

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120922\
 Data File : VU052313.D
 Acq On : 09 Dec 2022 19:47
 Operator : JC/MD
 Sample : N5949-02MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 09 23:13:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 04:19:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	239889	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	244498	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	128802	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	100744	4.317	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.400%
7) Chloroethane-d5	1.916	69	86669	4.782	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.600%
11) 1,1-Dichloroethene-d2	2.568	65	39374	4.707	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.200%
20) 2-Butanone-d5	4.639	46	267403	63.222	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.440%
24) Chloroform-d	5.060	84	184679	5.387	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.800%
26) 1,2-Dichloroethane-d4	5.700	65	94968	5.484	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.600%
32) Benzene-d6	5.726	84	379690	5.231	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.600%
36) 1,2-Dichloropropane-d6	6.687	67	119899	5.337	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.800%
41) Toluene-d8	7.896	98	351541	5.353	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.000%
43) trans-1,3-Dichloroprop...	8.176	79	41221	5.036	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.800%
46) 2-Hexanone-d5	8.632	63	209323	60.338	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.680%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	112751	5.789	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	124920	5.066	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	96882	4.657	ug/L	99
3) Chloromethane	1.520	50	126199	4.648	ug/L	99
5) Vinyl chloride	1.607	62	125884	4.825	ug/L	97
6) Bromomethane	1.861	94	52949	3.955	ug/L	99
8) Chloroethane	1.938	64	78893	4.863	ug/L	96
9) Trichlorofluoromethane	2.141	101	141536	4.932	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	86484	4.929	ug/L	99
12) 1,1-Dichloroethene	2.581	96	86800	4.988	ug/L	95
13) Acetone	2.652	43	171455	59.696	ug/L	100
14) Carbon disulfide	2.797	76	285499	4.739	ug/L	98
15) Methyl Acetate	2.961	43	38199	5.128	ug/L	97
16) Methylene chloride	3.047	84	107602	4.570	ug/L	97
17) Methyl tert-butyl Ether	3.363	73	196152	5.035	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	93072	4.989	ug/L	97
19) 1,1-Dichloroethane	3.867	63	182630	5.432	ug/L	98
21) 2-Butanone	4.716	43	280433	60.918	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	104221	5.323	ug/L	96
23) Bromochloromethane	4.973	128	51224	5.469	ug/L	97
25) Chloroform	5.086	83	180787	5.307	ug/L	96

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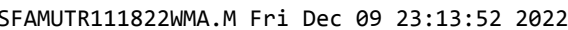
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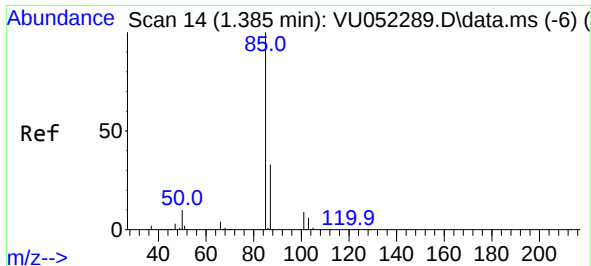
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	115073	5.515	ug/L	100
29) 1,1,1-Trichloroethane	5.314	97	139121	5.129	ug/L	100
30) Cyclohexane	5.388	56	126047	4.786	ug/L	98
31) Carbon tetrachloride	5.523	117	114394	4.963	ug/L	99
33) Benzene	5.771	78	417956	5.253	ug/L	100
34) Trichloroethene	6.539	95	95296	4.802	ug/L	96
35) Methylcyclohexane	6.761	83	132767	4.650	ug/L	98
37) 1,2-Dichloropropane	6.787	63	110186	5.348	ug/L	98
38) Bromodichloromethane	7.102	83	130313	5.188	ug/L	94
39) cis-1,3-Dichloropropene	7.604	75	129377	4.891	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	644120	59.853	ug/L	99
42) Toluene	7.967	91	436164	5.329	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	116135	5.127	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	85041	5.493	ug/L	99
47) Tetrachloroethene	8.549	164	74151	4.875	ug/L	99
48) 2-Hexanone	8.681	43	496534	62.936	ug/L	99
49) Dibromochloromethane	8.806	129	94547	5.453	ug/L	99
50) 1,2-Dibromoethane	8.922	107	77286	5.480	ug/L	97
51) Chlorobenzene	9.443	112	266933	5.115	ug/L	100
52) Ethylbenzene	9.568	91	399070	5.015	ug/L	99
53) m,p-Xylene	9.690	106	161680	5.247	ug/L	99
54) o-Xylene	10.099	106	156497	5.299	ug/L	98
55) Styrene	10.111	104	274746	5.508	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	110933	5.737	ug/L	99
59) Bromoform	10.285	173	54676	5.154	ug/L	96
60) Isopropylbenzene	10.481	105	387898	4.795	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	76142	5.165	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	292770	4.527	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	301877	4.702	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	201466	4.877	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	200402	4.864	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	196885	4.949	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	15648	4.851	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	135441	4.624	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	104644	4.691	ug/L	99
71) Naphthalene	14.082	128	186379	4.450	ug/L	98
72) 1,2,3-Trichlorobenzene	14.323	180	105364	4.801	ug/L	99

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

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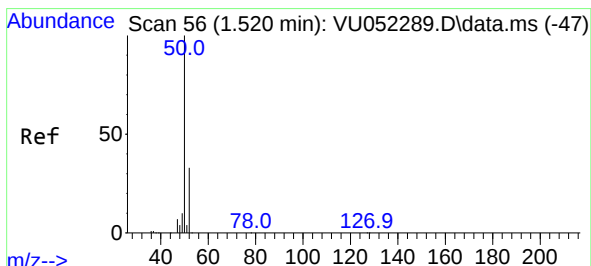
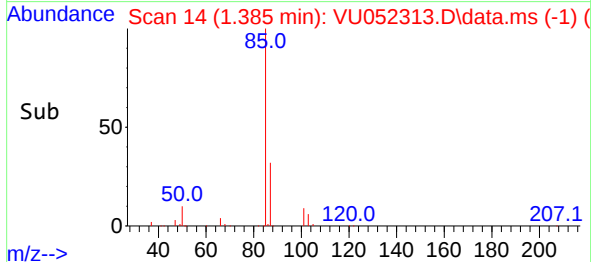
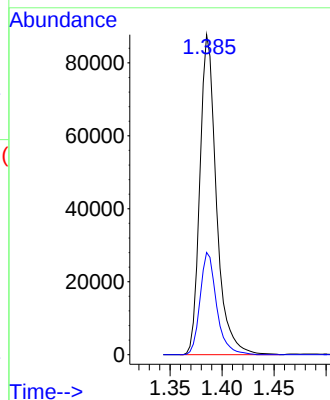
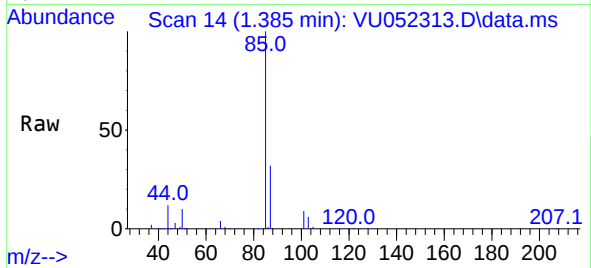




#2
Dichlorodifluoromethane
Concen: 4.657 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

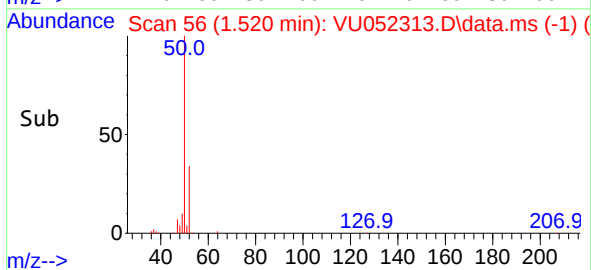
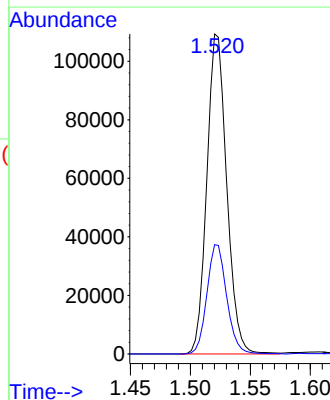
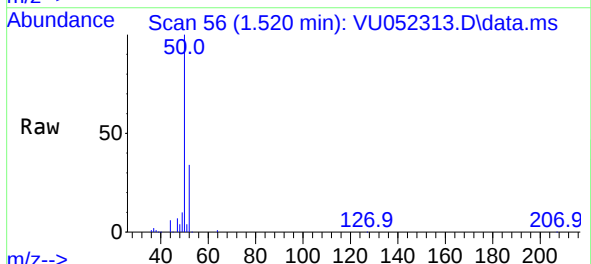
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MSVOA_U
ClientSampleId :

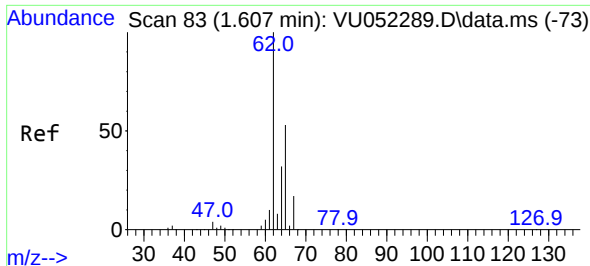
Tgt Ion: 85 Resp: 96882
Ion Ratio Lower Upper
85 100
87 31.9 25.8 38.8



#3
Chloromethane
Concen: 4.648 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Tgt Ion: 50 Resp: 126199
Ion Ratio Lower Upper
50 100
52 34.2 23.4 43.4

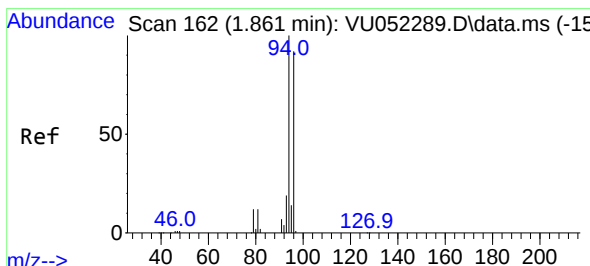
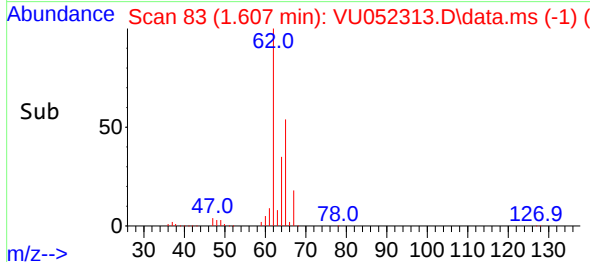
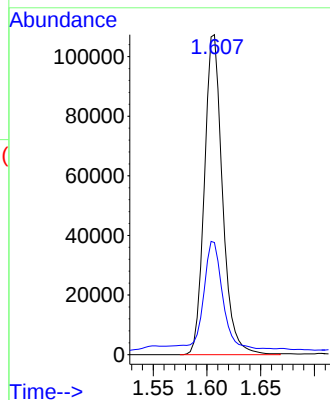
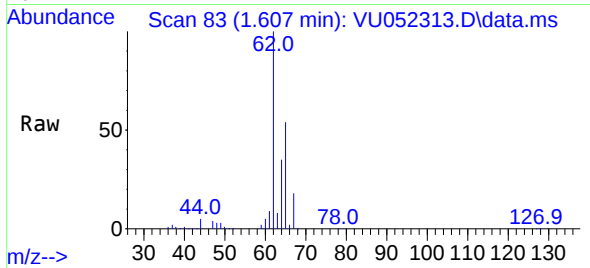




#5
 Vinyl chloride
 Concen: 4.825 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU052313.D
 Acq: 09 Dec 2022 19:47

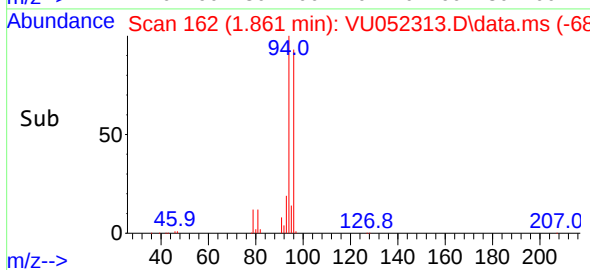
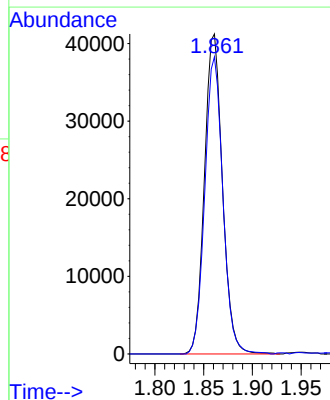
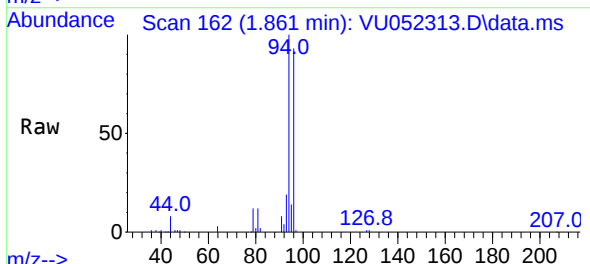
Instrument :
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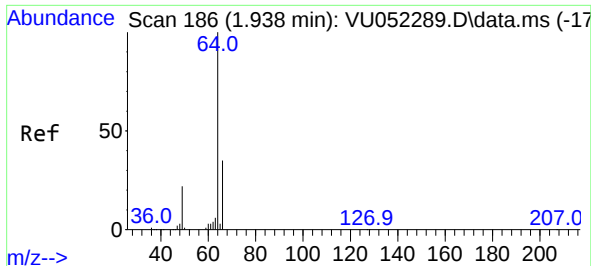
Tgt Ion: 62 Resp: 125884
 Ion Ratio Lower Upper
 62 100
 64 35.0 23.5 43.7



#6
 Bromomethane
 Concen: 3.955 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.003 min
 Lab File: VU052313.D
 Acq: 09 Dec 2022 19:47

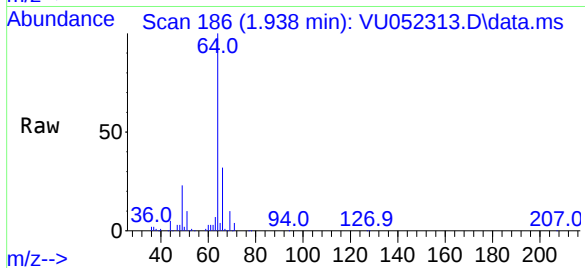
Tgt Ion: 94 Resp: 52949
 Ion Ratio Lower Upper
 94 100
 96 92.9 65.7 122.1



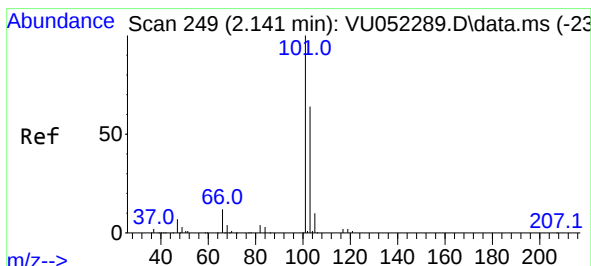
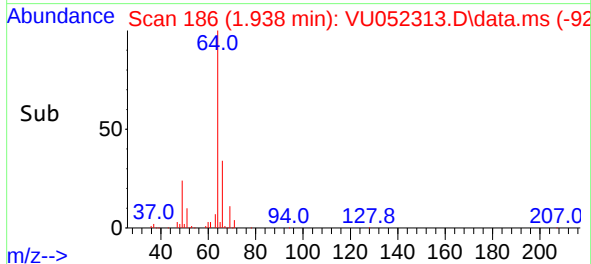
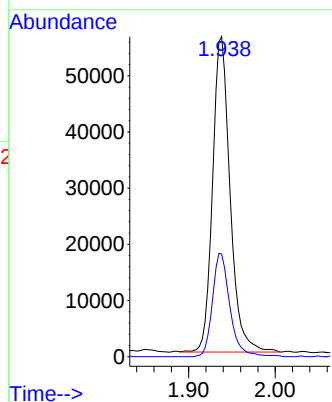


#8
Chloroethane
Concen: 4.863 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.003 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Instrument :
MSVOA_U
ClientSampleId :

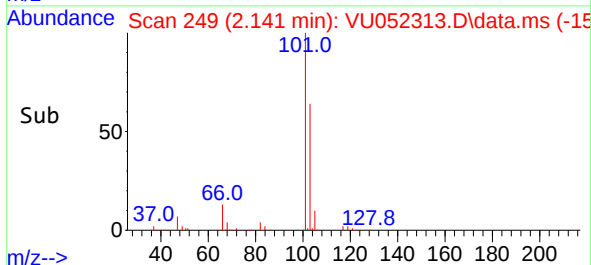
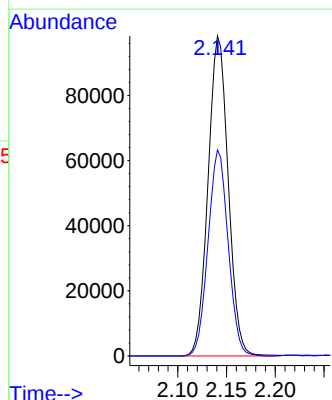
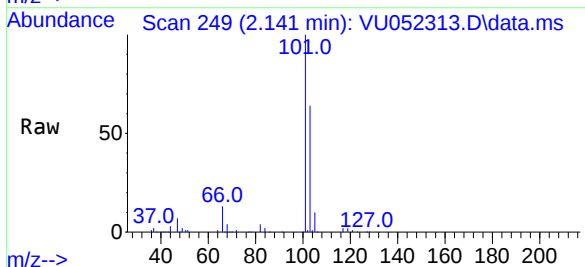


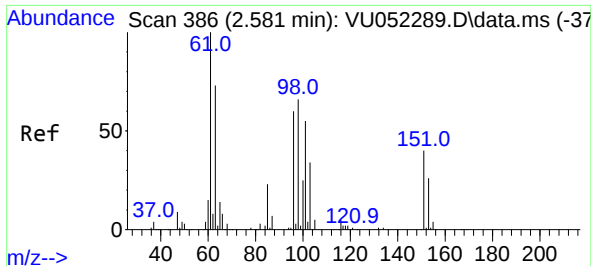
Tgt Ion: 64 Resp: 78893
Ion Ratio Lower Upper
64 100
66 32.1 21.1 39.1



#9
Trichlorofluoromethane
Concen: 4.932 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Tgt Ion: 101 Resp: 141536
Ion Ratio Lower Upper
101 100
103 64.0 51.6 77.4

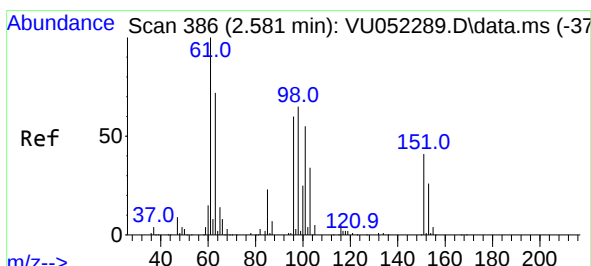
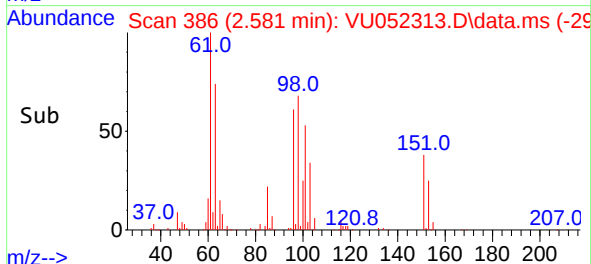
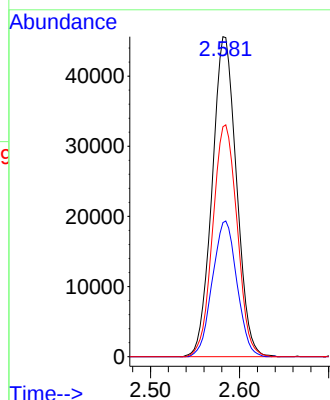
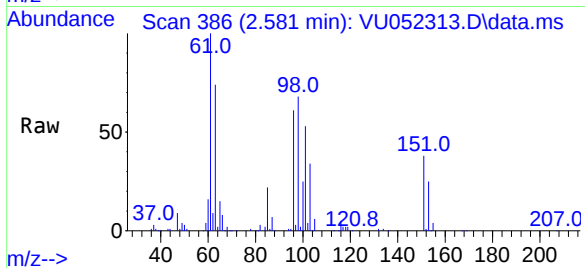




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.929 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052313.D
 Acq: 09 Dec 2022 19:47

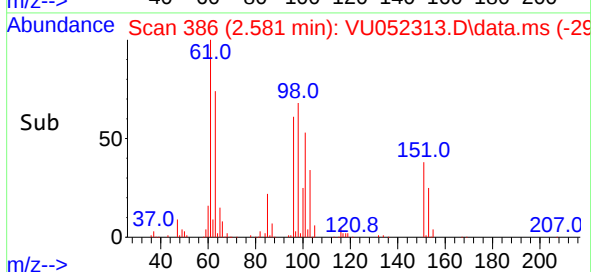
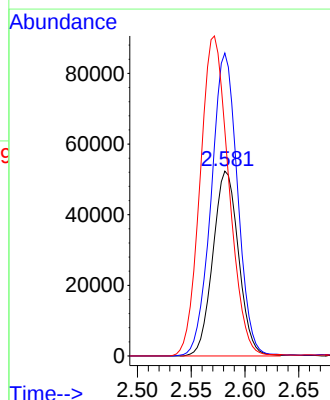
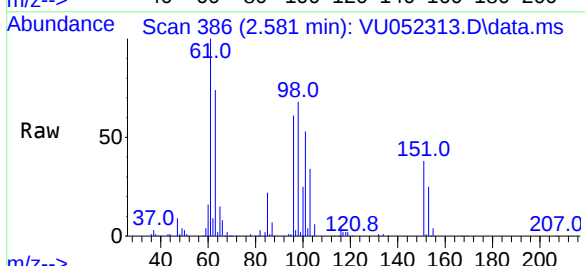
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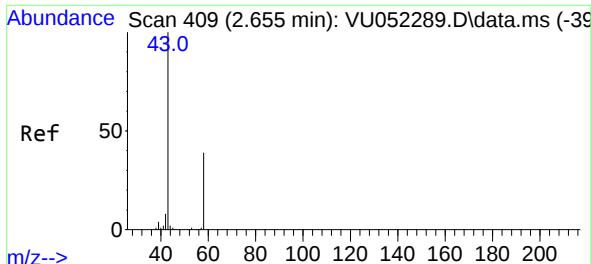
Tgt Ion:101 Resp: 86484
 Ion Ratio Lower Upper
 101 100
 85 42.7 33.8 50.6
 151 72.7 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 4.988 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052313.D
 Acq: 09 Dec 2022 19:47

Tgt Ion: 96 Resp: 86800
 Ion Ratio Lower Upper
 96 100
 61 163.8 114.8 213.2
 63 122.0 93.7 174.1





#13

Acetone

Concen: 59.696 ug/L

RT: 2.652 min Scan# 409

Delta R.T. 0.006 min

Lab File: VU052313.D

Acq: 09 Dec 2022 19:47

Instrument :

MSVOA_U

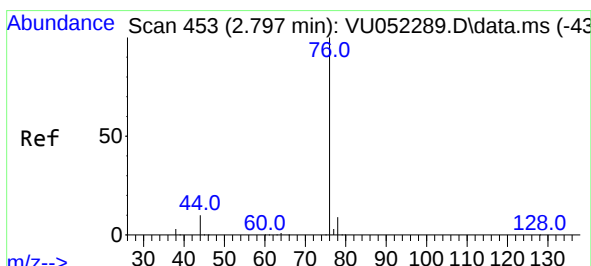
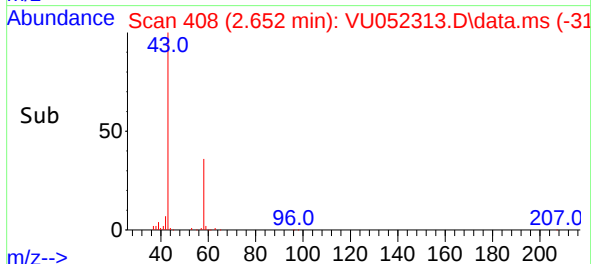
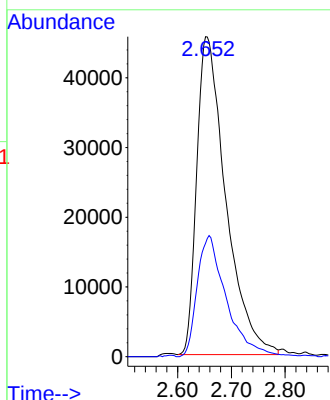
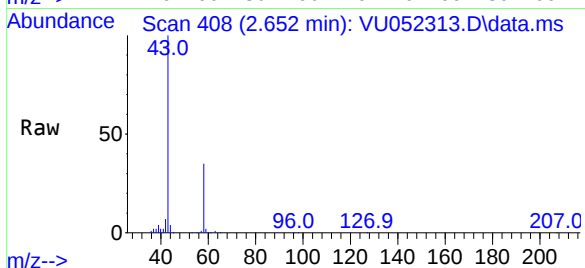
ClientSampleId :

Tgt Ion: 43 Resp: 171455

Ion Ratio Lower Upper

43 100

58 38.3 0.0 76.0



#14

Carbon disulfide

Concen: 4.739 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.003 min

Lab File: VU052313.D

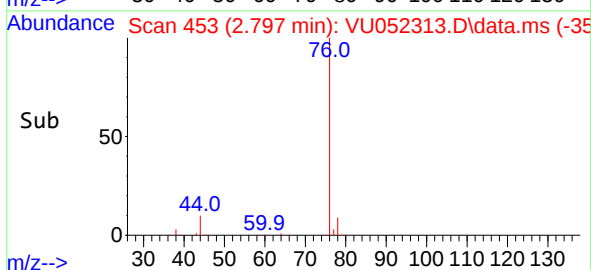
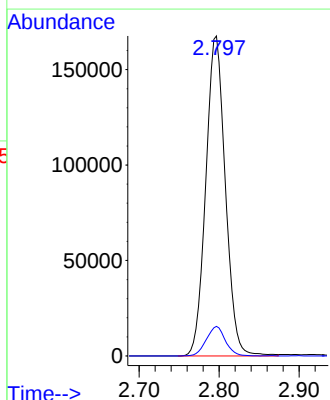
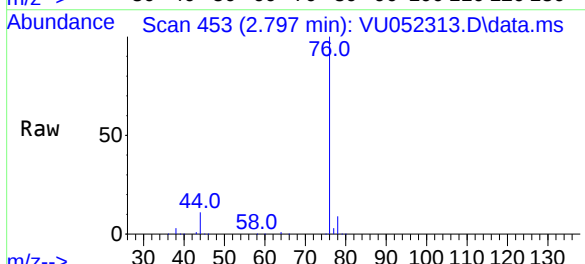
Acq: 09 Dec 2022 19:47

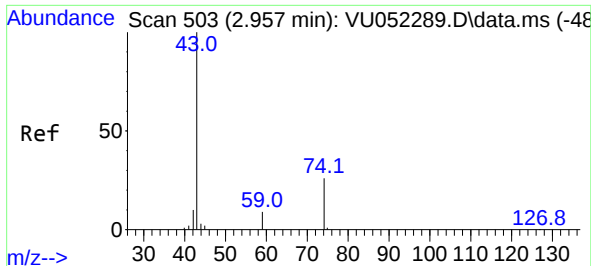
Tgt Ion: 76 Resp: 285499

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4

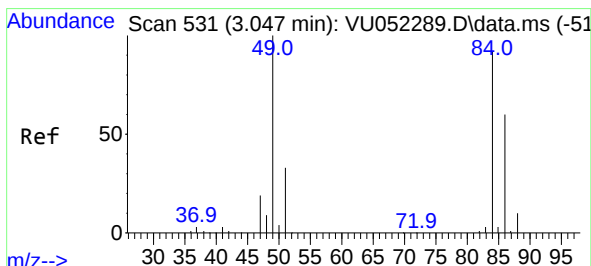
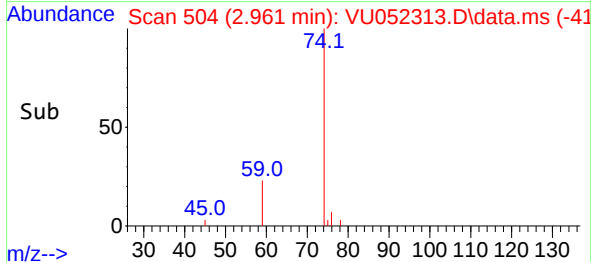
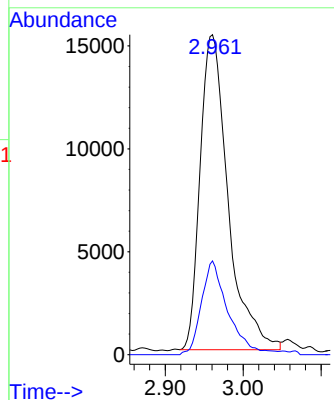
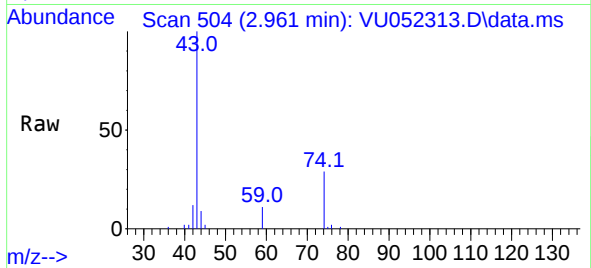




#15
Methyl Acetate
Concen: 5.128 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.003 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

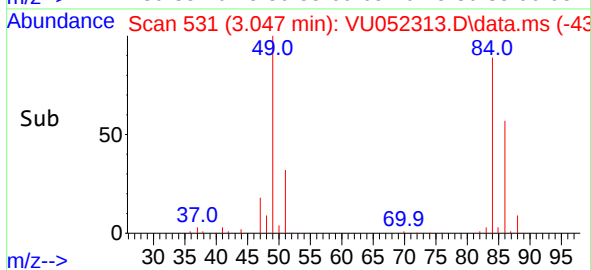
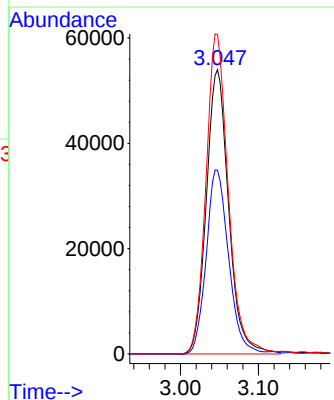
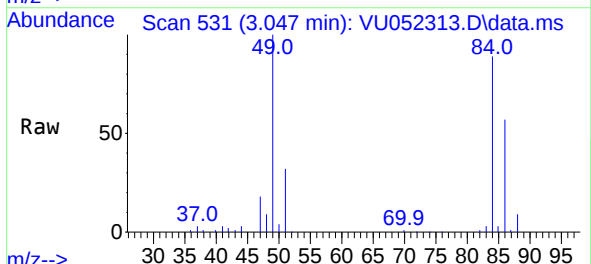
Instrument :
MSVOA_U
ClientSampleId :

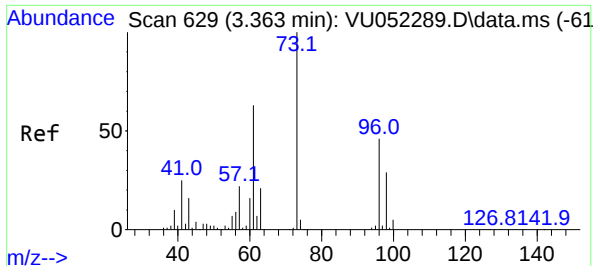
Tgt Ion: 43 Resp: 38199
Ion Ratio Lower Upper
43 100
74 28.3 21.3 31.9



#16
Methylene chloride
Concen: 4.570 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Tgt Ion: 84 Resp: 107602
Ion Ratio Lower Upper
84 100
86 64.6 43.8 81.4
49 112.4 75.9 141.1

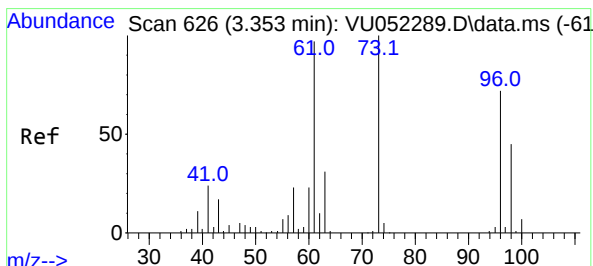
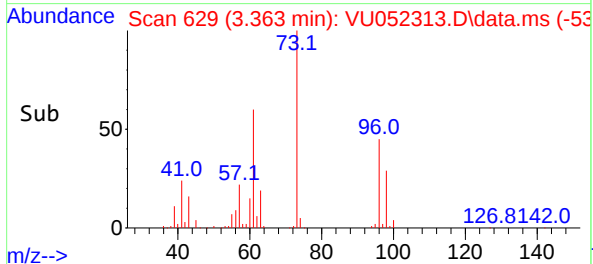
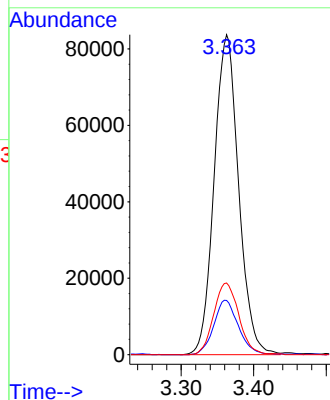
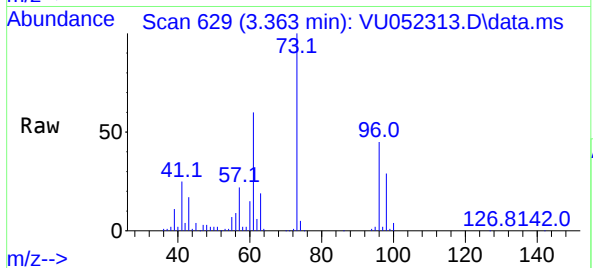




#17
Methyl tert-butyl Ether
Concen: 5.035 ug/L
RT: 3.363 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

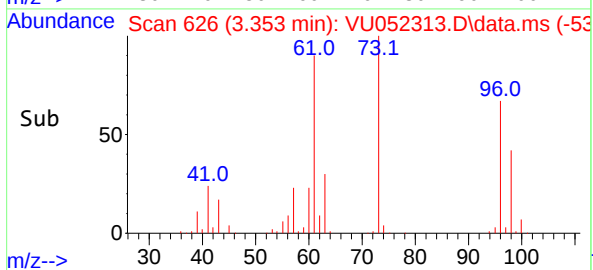
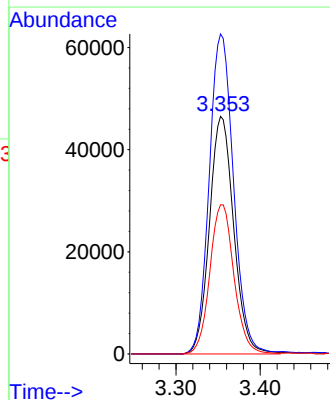
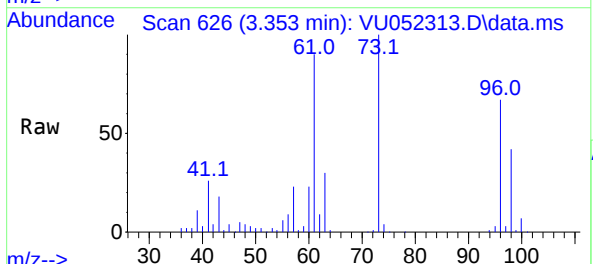
Instrument :
MSVOA_U
ClientSampleId :

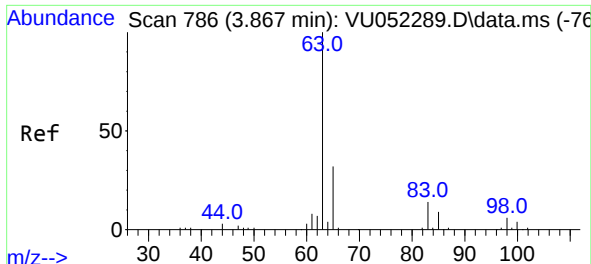
Tgt Ion: 73 Resp: 196152
Ion Ratio Lower Upper
73 100
43 17.3 13.2 19.8
57 23.1 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.989 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

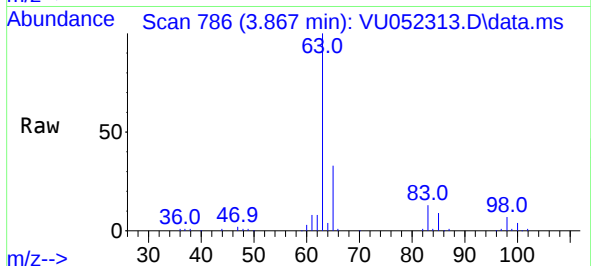
Tgt Ion: 96 Resp: 93072
Ion Ratio Lower Upper
96 100
61 134.7 97.9 181.7
98 62.7 43.8 81.3



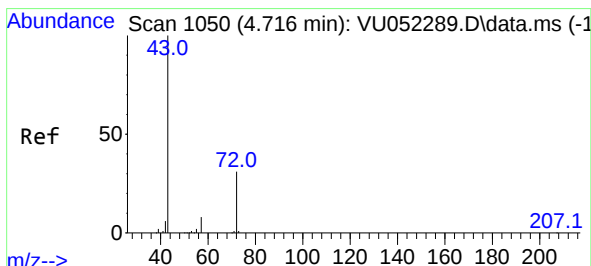
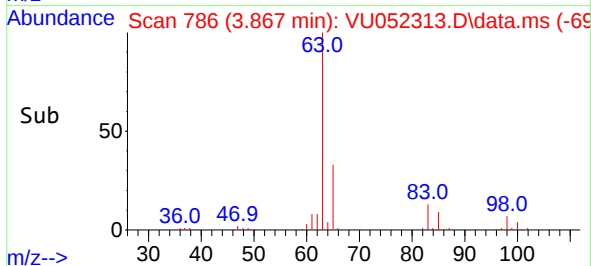
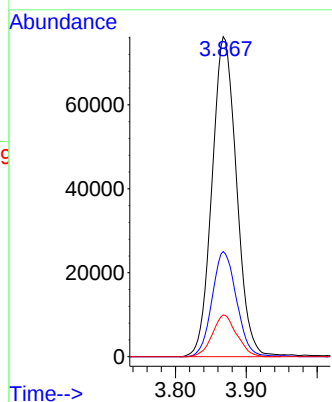


#19
1,1-Dichloroethane
Concen: 5.432 ug/L
RT: 3.867 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Instrument :
MSVOA_U
ClientSampleId :

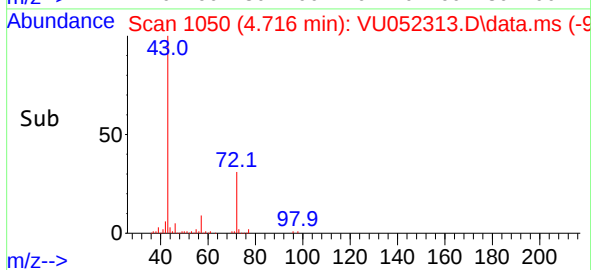
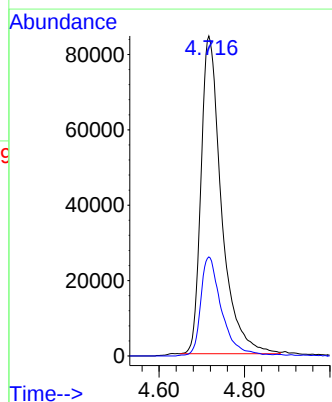
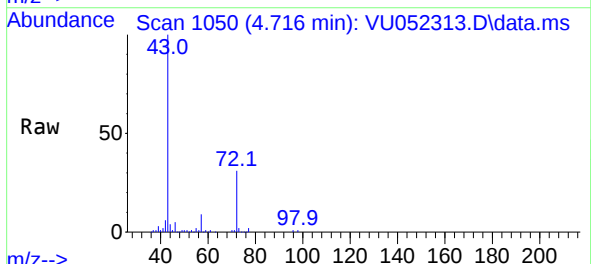


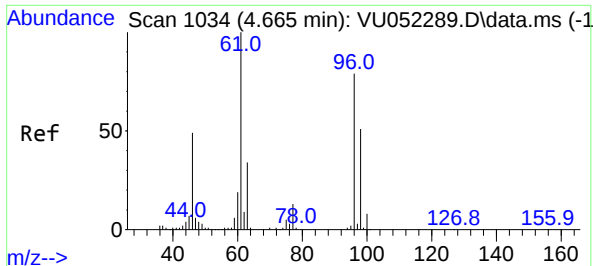
Tgt Ion: 63 Resp: 182630
Ion Ratio Lower Upper
63 100
65 32.9 22.2 41.2
83 13.0 9.2 17.0



#21
2-Butanone
Concen: 60.918 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. 0.003 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

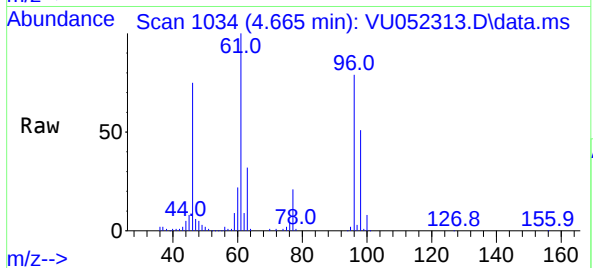
Tgt Ion: 43 Resp: 280433
Ion Ratio Lower Upper
43 100
72 31.7 15.6 46.8



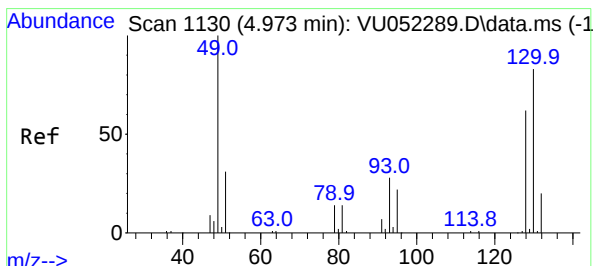
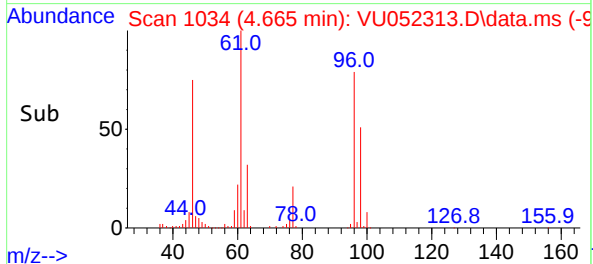
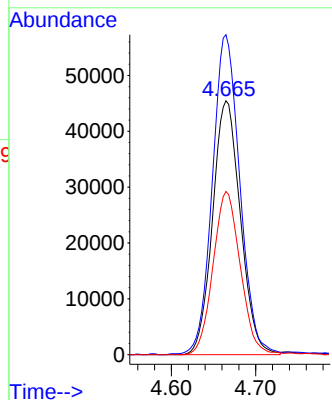


#22
 cis-1,2-Dichloroethene
 Concen: 5.323 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU052313.D
 Acq: 09 Dec 2022 19:47

Instrument :
 MSVOA_U
 ClientSampleId :

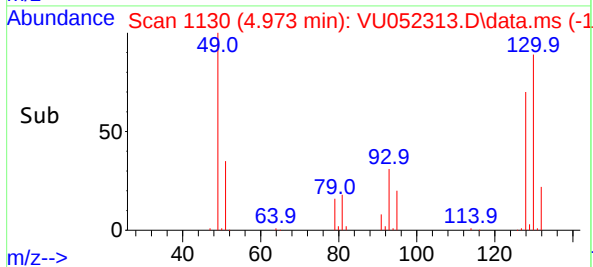
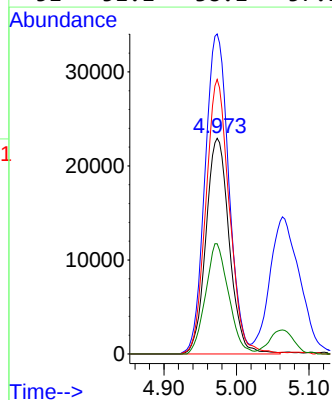
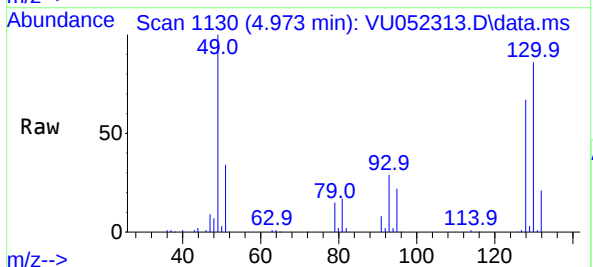


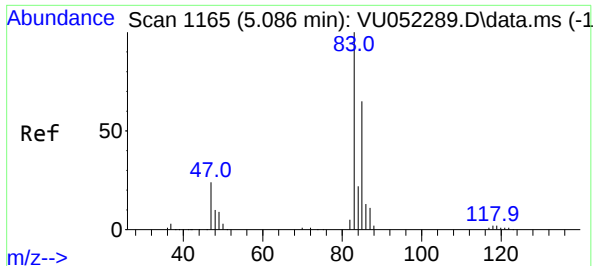
Tgt Ion: 96 Resp: 104221
 Ion Ratio Lower Upper
 96 100
 61 126.0 85.1 158.1
 98 64.3 42.8 79.6



#23
 Bromochloromethane
 Concen: 5.469 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VU052313.D
 Acq: 09 Dec 2022 19:47

Tgt Ion: 128 Resp: 51224
 Ion Ratio Lower Upper
 128 100
 49 148.3 104.0 193.2
 130 127.3 84.6 157.2
 51 51.1 38.1 57.1





#25

Chloroform

Concen: 5.307 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052313.D

Acq: 09 Dec 2022 19:47

Instrument :

MSVOA_U

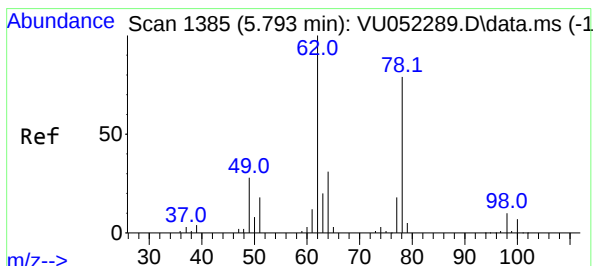
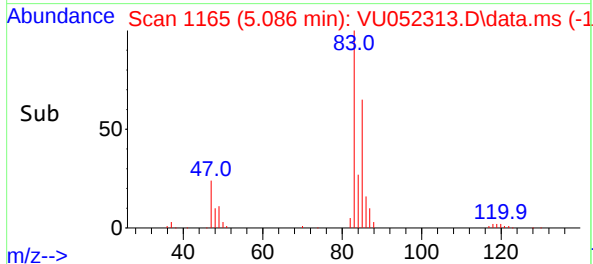
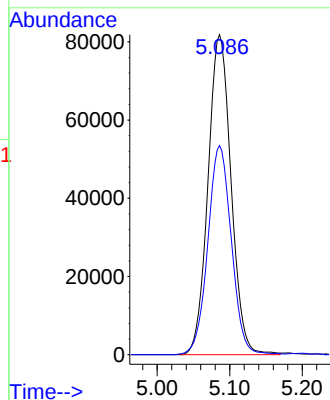
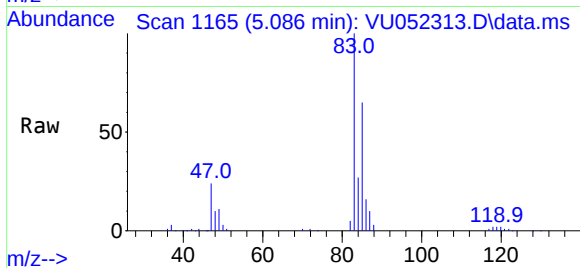
ClientSampleId :

Tgt Ion: 83 Resp: 180787

Ion Ratio Lower Upper

83 100

85 65.4 43.8 81.4



#27

1,2-Dichloroethane

Concen: 5.515 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU052313.D

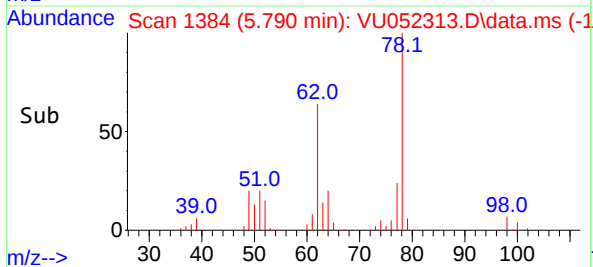
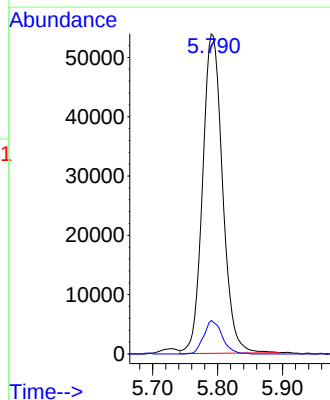
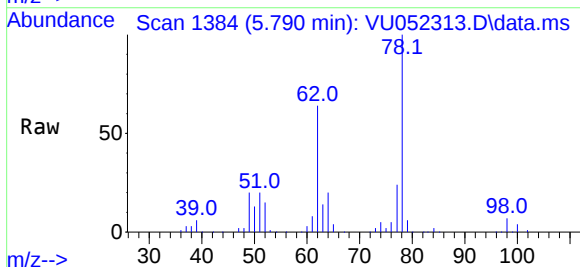
Acq: 09 Dec 2022 19:47

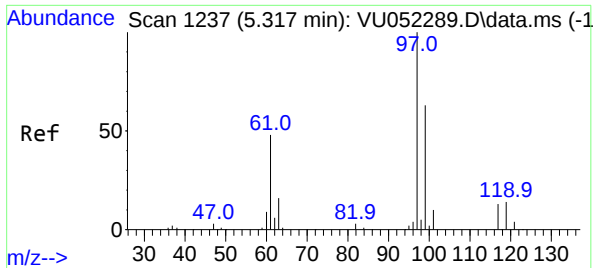
Tgt Ion: 62 Resp: 115073

Ion Ratio Lower Upper

62 100

98 10.5 8.4 12.6



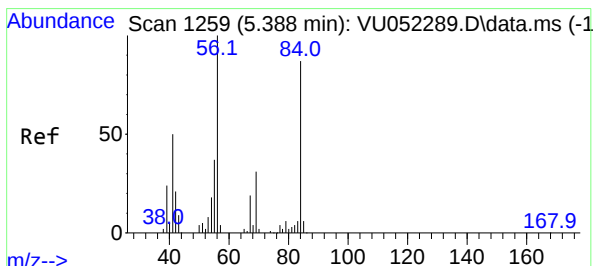
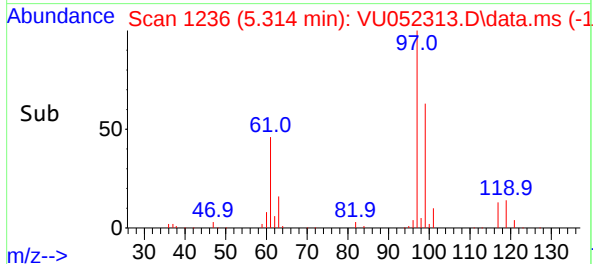
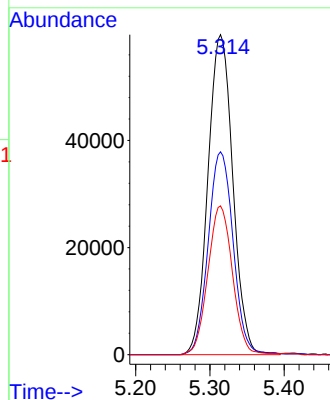
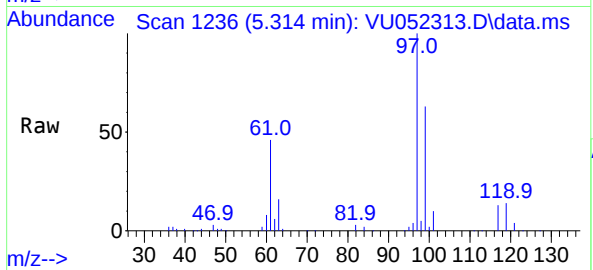


#29
1,1,1-Trichloroethane
Concen: 5.129 ug/L
RT: 5.314 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 139121

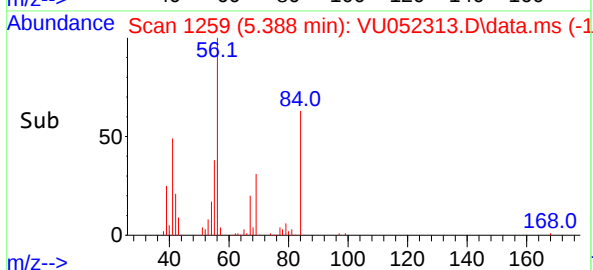
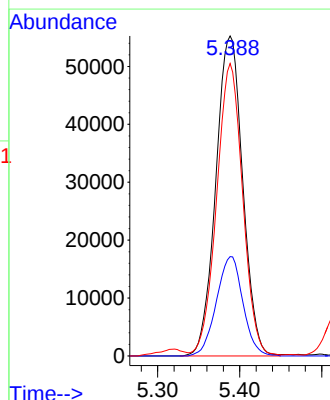
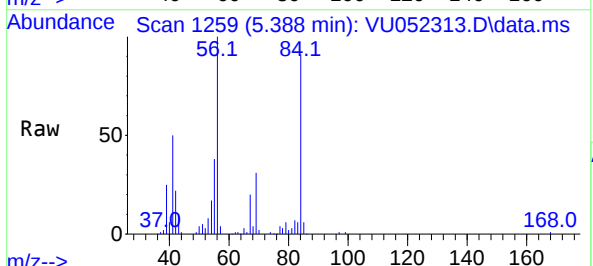
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.6
61	46.1	36.9	55.3

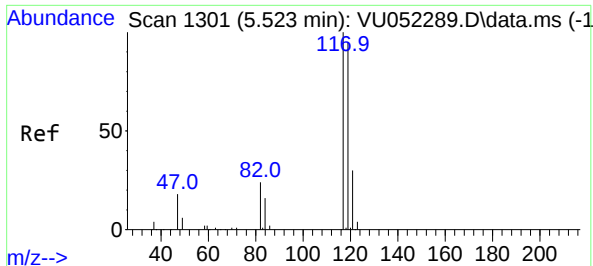


#30
Cyclohexane
Concen: 4.786 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Tgt Ion: 56 Resp: 126047

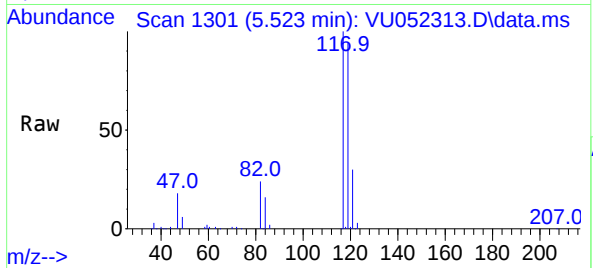
Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.6	38.4
84	87.9	72.0	108.0



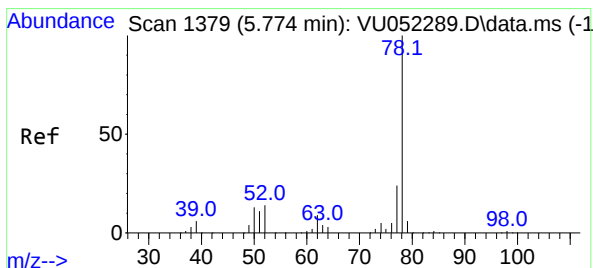
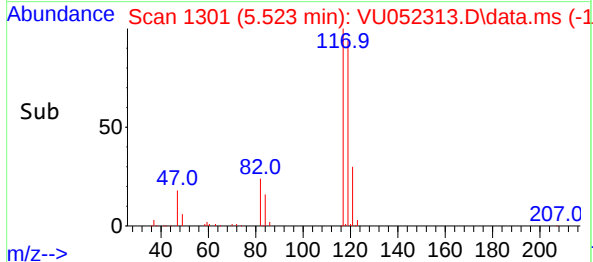
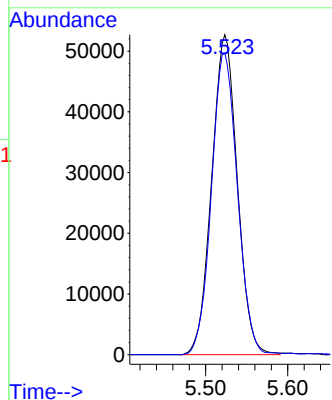


#31
Carbon tetrachloride
Concen: 4.963 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Instrument :
MSVOA_U
ClientSampleId :

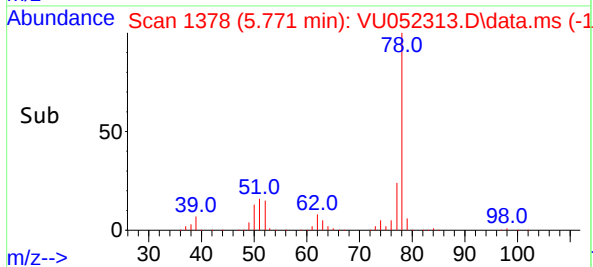
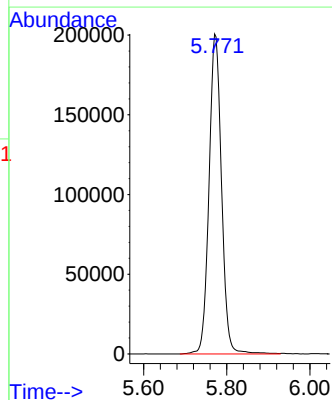
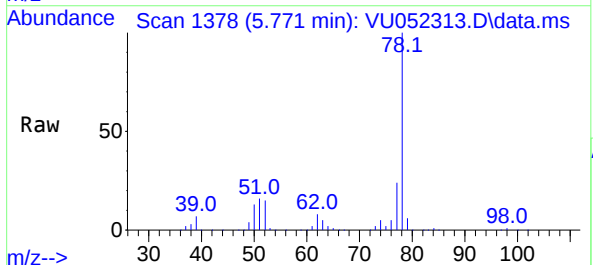


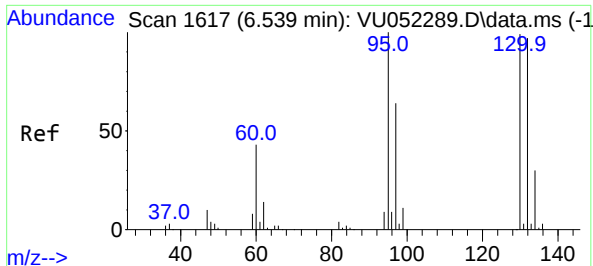
Tgt Ion:117 Resp: 114394
Ion Ratio Lower Upper
117 100
119 95.5 77.2 115.8



#33
Benzene
Concen: 5.253 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

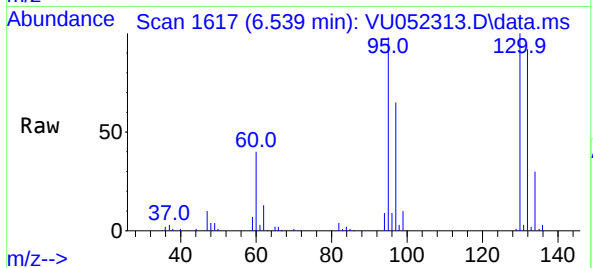
Tgt Ion: 78 Resp: 417956





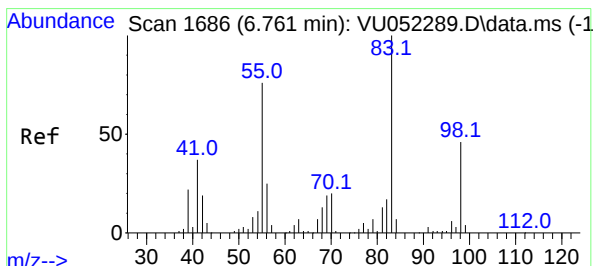
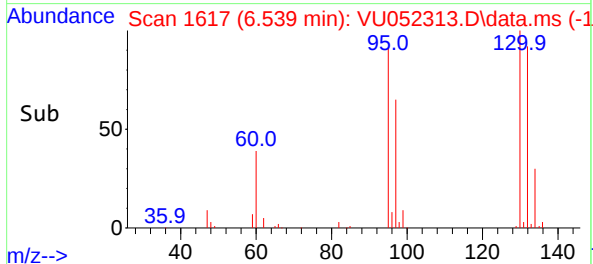
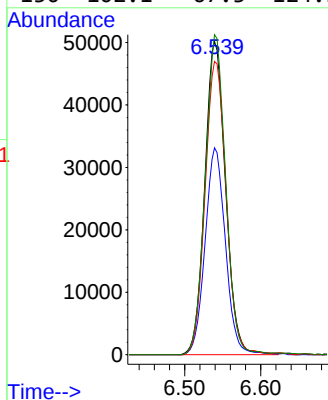
#34
Trichloroethene
Concen: 4.802 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 95296

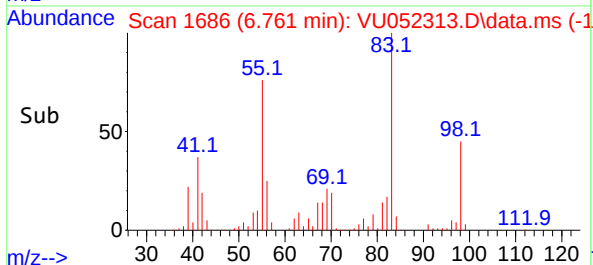
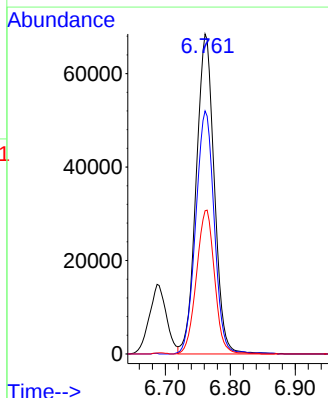
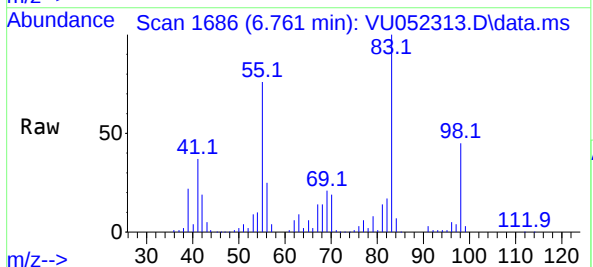
Ion	Ratio	Lower	Upper
95	100		
97	66.1	43.7	81.1
132	93.6	64.3	119.3
130	102.1	67.3	124.9

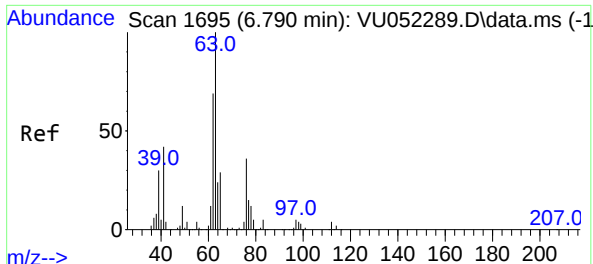


#35
Methylcyclohexane
Concen: 4.650 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Tgt Ion: 83 Resp: 132767

Ion	Ratio	Lower	Upper
83	100		
55	77.7	60.8	91.2
98	45.1	35.1	52.7

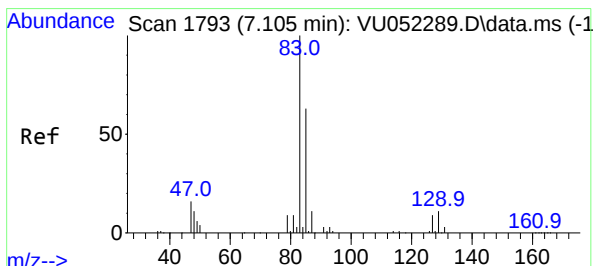
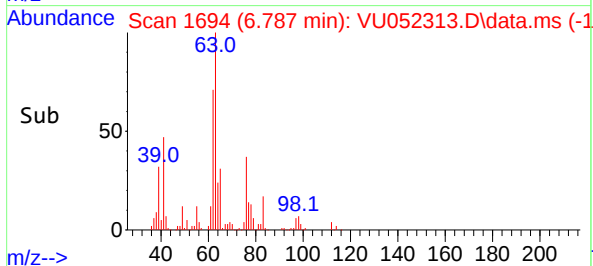
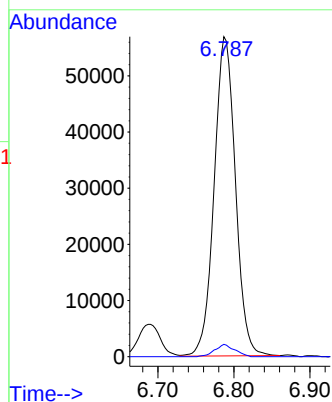
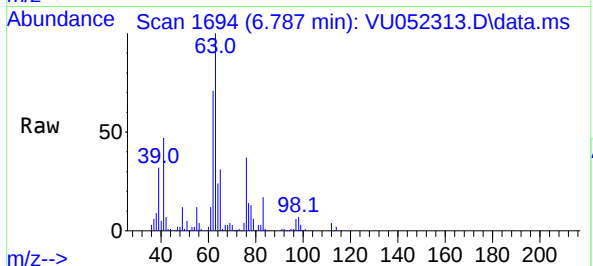




#37
1,2-Dichloropropane
Concen: 5.348 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

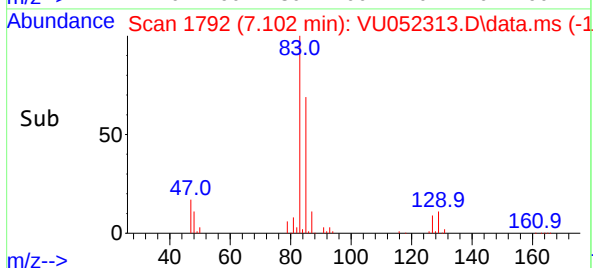
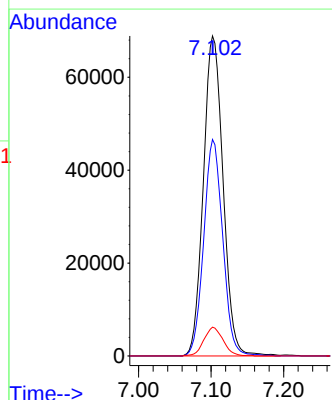
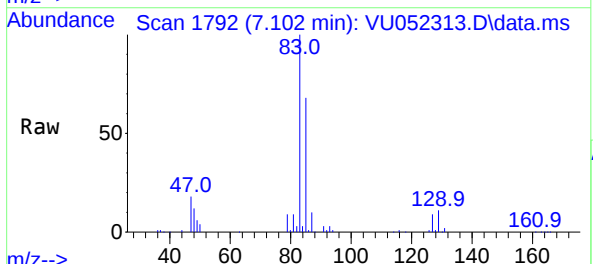
Instrument :
MSVOA_U
ClientSampleId :

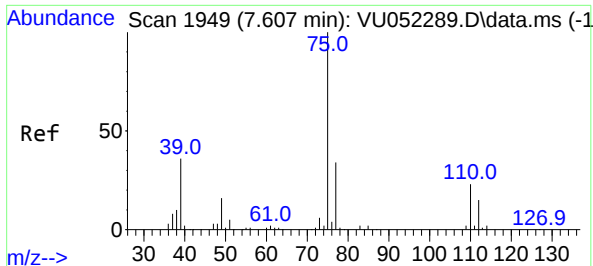
Tgt Ion: 63 Resp: 110186
Ion Ratio Lower Upper
63 100
112 3.6 3.3 4.9



#38
Bromodichloromethane
Concen: 5.188 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Tgt Ion: 83 Resp: 130313
Ion Ratio Lower Upper
83 100
85 67.7 43.5 80.9
127 9.0 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.891 ug/L

RT: 7.604 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU052313.D

Acq: 09 Dec 2022 19:47

Instrument :

MSVOA_U

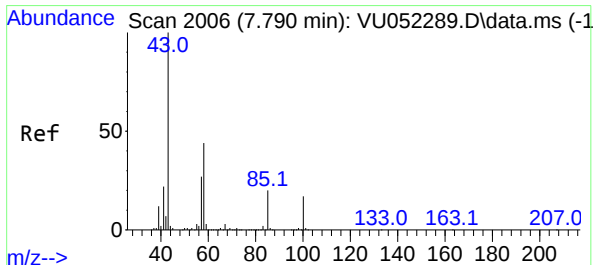
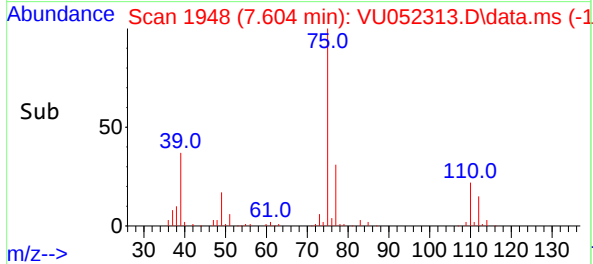
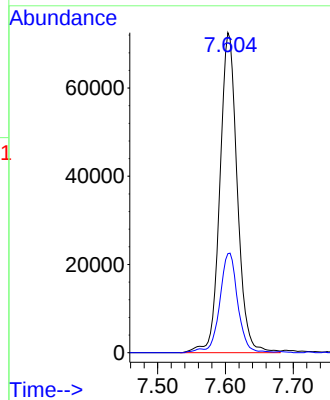
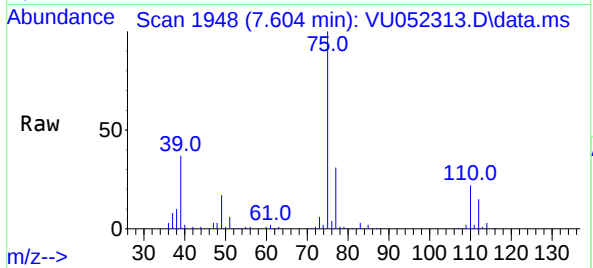
ClientSampleId :

Tgt Ion: 75 Resp: 129377

Ion Ratio Lower Upper

75 100

77 31.0 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 59.853 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU052313.D

Acq: 09 Dec 2022 19:47

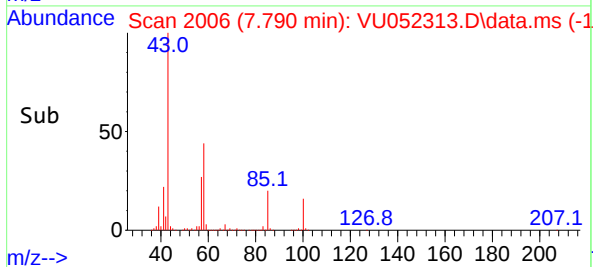
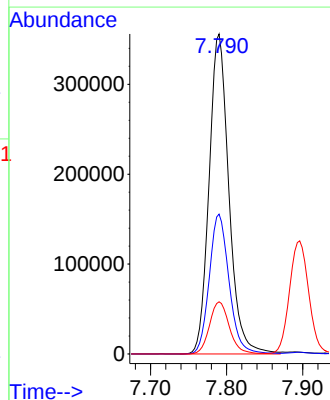
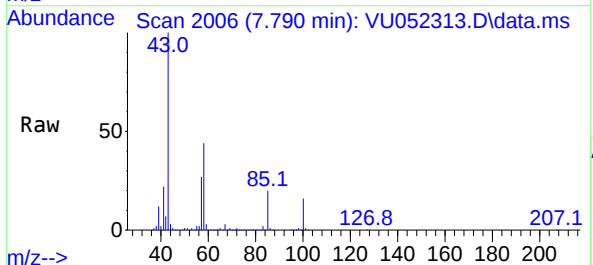
Tgt Ion: 43 Resp: 644120

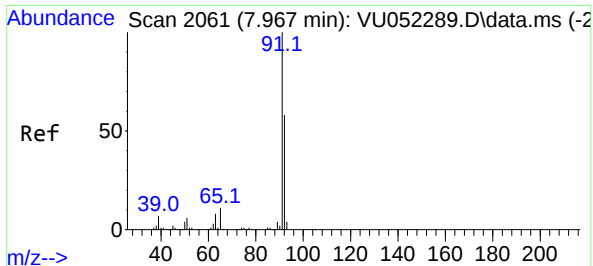
Ion Ratio Lower Upper

43 100

58 43.9 35.3 52.9

100 16.4 13.6 20.4

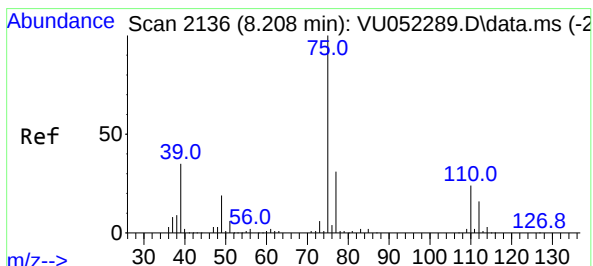
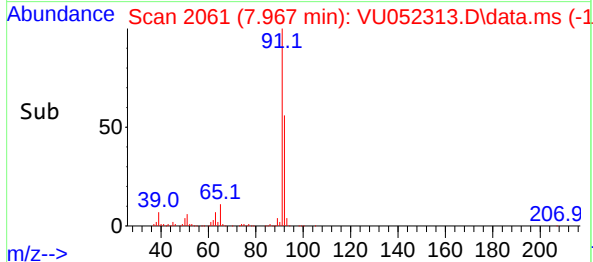
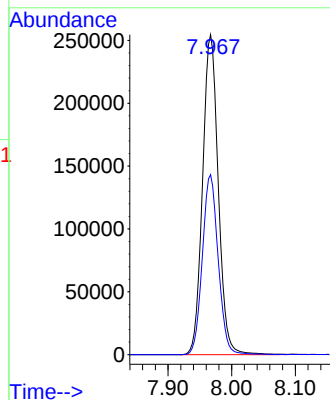
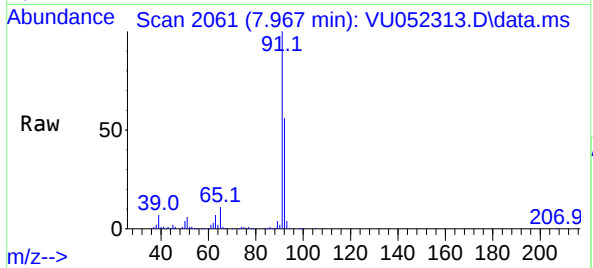




#42
Toluene
Concen: 5.329 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

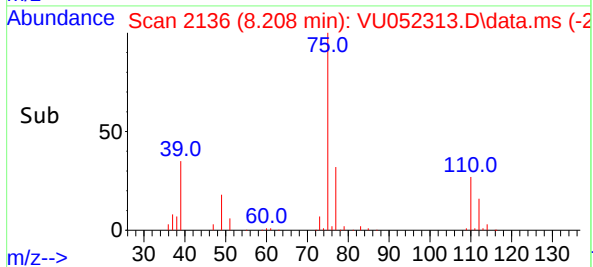
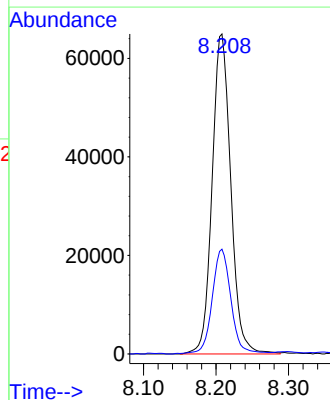
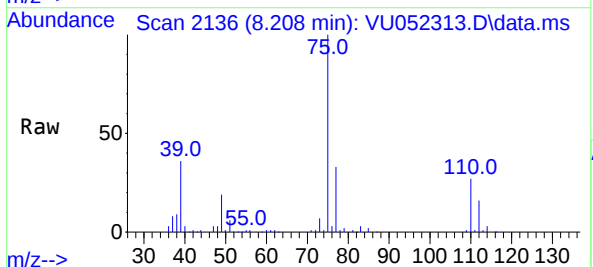
Instrument :
MSVOA_U
ClientSampleId :

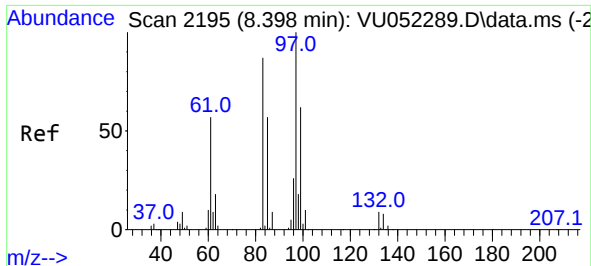
Tgt Ion: 91 Resp: 436164
Ion Ratio Lower Upper
91 100
92 56.2 40.7 75.5



#44
trans-1,3-Dichloropropene
Concen: 5.127 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Tgt Ion: 75 Resp: 116135
Ion Ratio Lower Upper
75 100
77 32.8 22.6 42.0



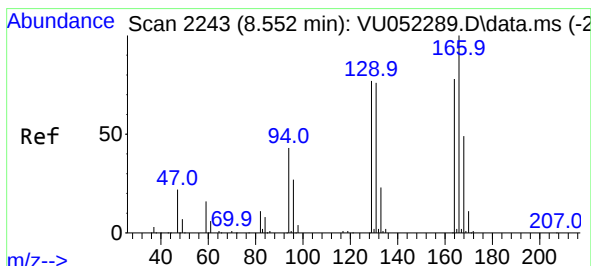
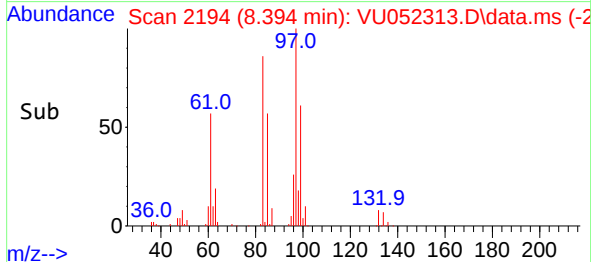
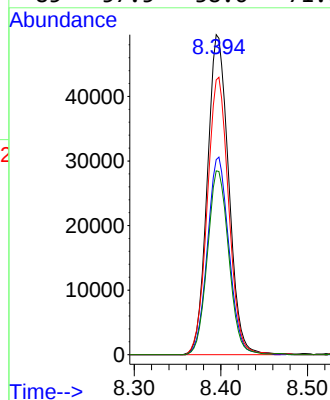
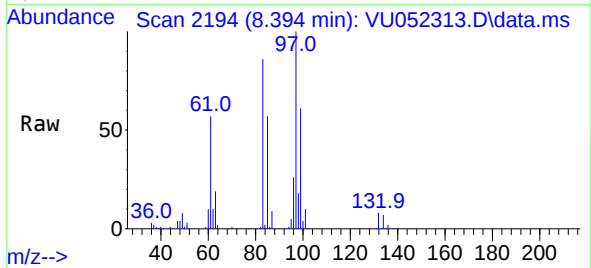


#45
1,1,2-Trichloroethane
Concen: 5.493 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.003 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 85041

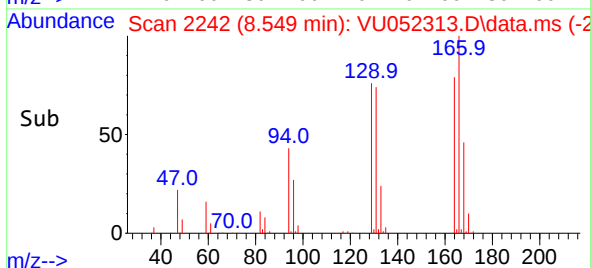
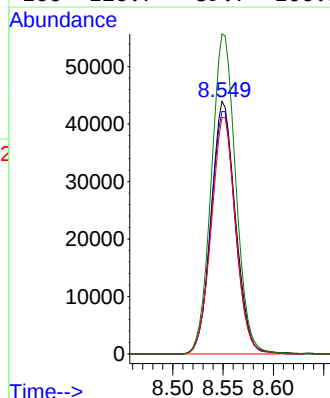
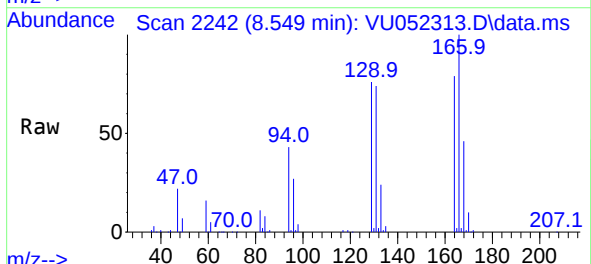
Ion	Ratio	Lower	Upper
97	100		
99	61.0	42.6	79.2
83	85.9	60.7	112.7
85	57.5	38.6	71.6

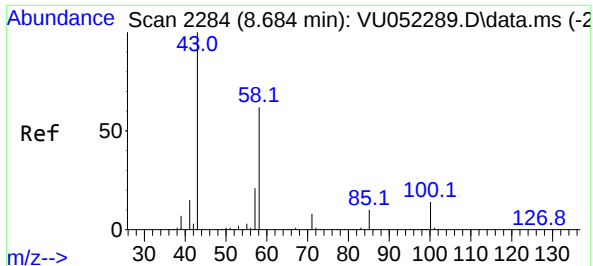


#47
Tetrachloroethene
Concen: 4.875 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Tgt Ion: 164 Resp: 74151

Ion	Ratio	Lower	Upper
164	100		
129	96.0	67.4	125.2
131	93.7	67.1	124.7
166	126.7	89.7	166.5



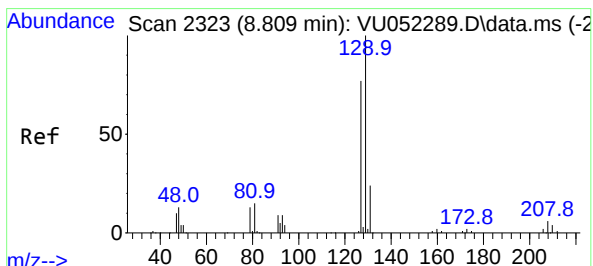
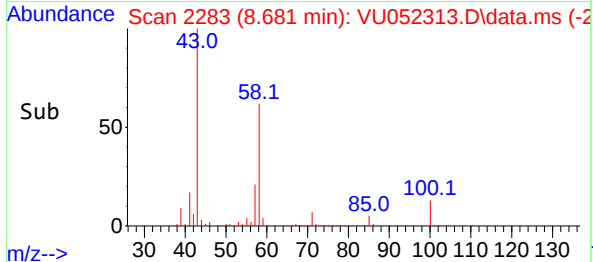
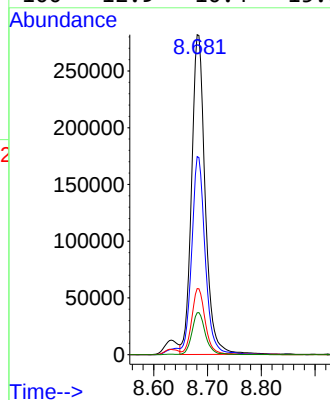
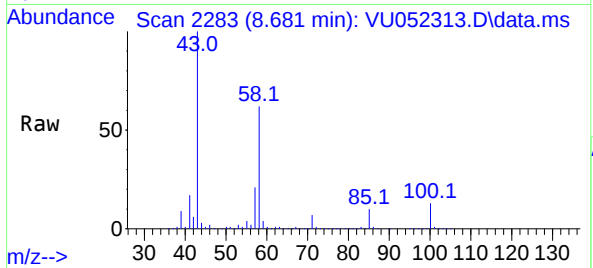


#48
2-Hexanone
Concen: 62.936 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 496534

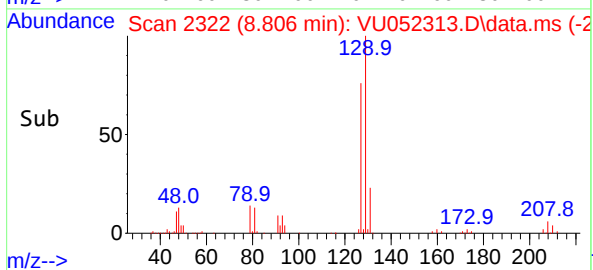
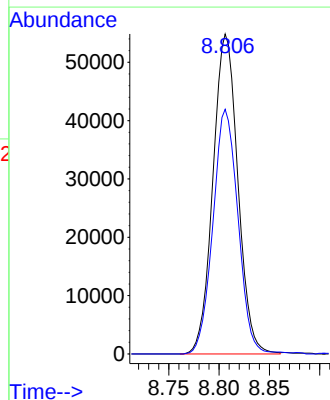
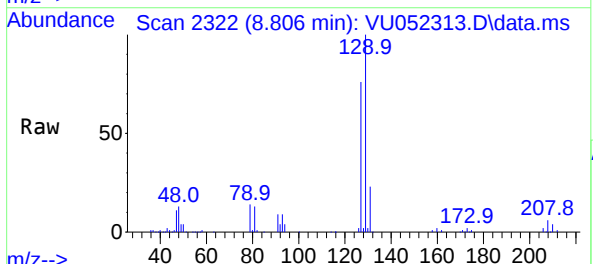
Ion	Ratio	Lower	Upper
43	100		
58	63.3	49.4	74.0
57	20.3	16.3	24.5
100	12.9	10.4	15.6

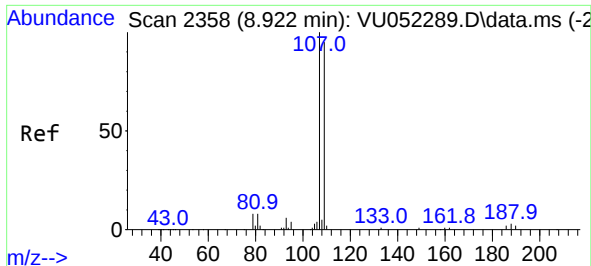


#49
Dibromochloromethane
Concen: 5.453 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Tgt Ion: 129 Resp: 94547

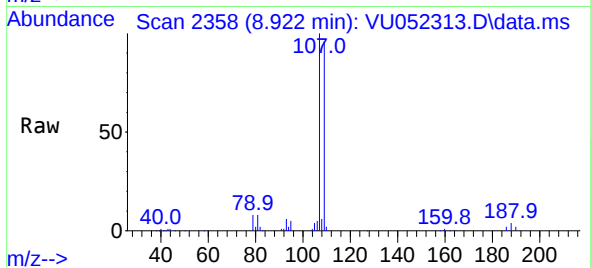
Ion	Ratio	Lower	Upper
129	100		
127	76.4	52.8	98.2



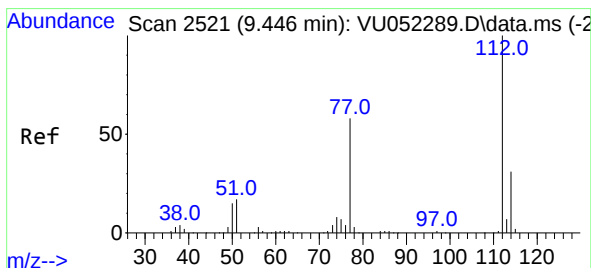
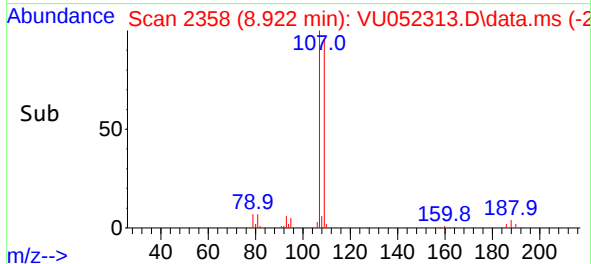
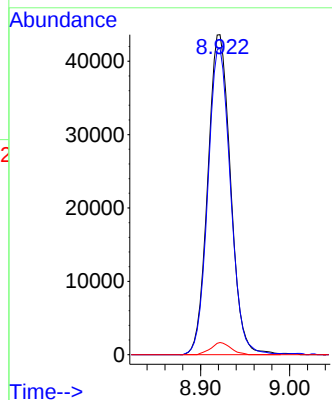


#50
1,2-Dibromoethane
Concen: 5.480 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Instrument :
MSVOA_U
ClientSampleId :

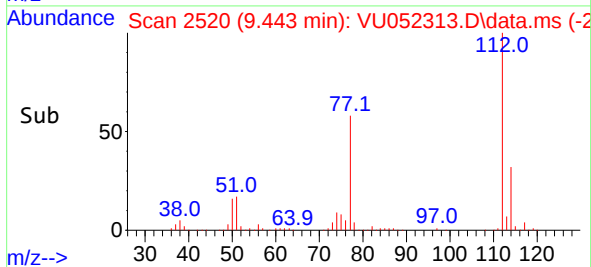
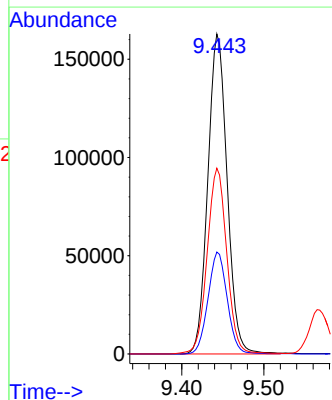
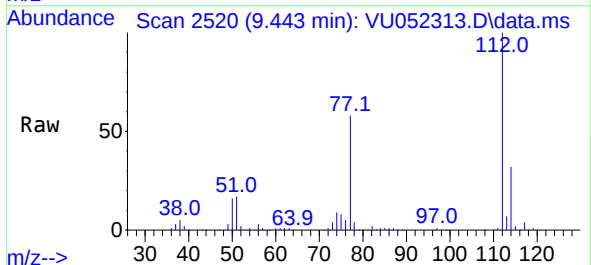


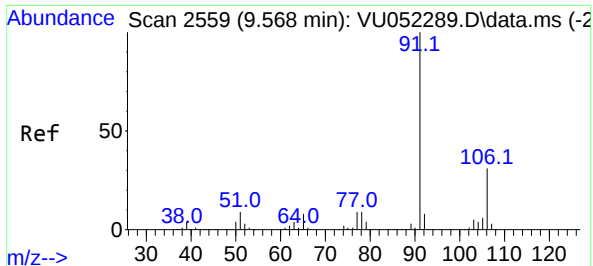
Tgt Ion:107 Resp: 77286
Ion Ratio Lower Upper
107 100
109 95.9 64.9 120.5
188 3.8 2.6 4.0



#51
Chlorobenzene
Concen: 5.115 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.003 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Tgt Ion:112 Resp: 266933
Ion Ratio Lower Upper
112 100
114 31.9 22.2 41.2
77 58.0 46.6 70.0

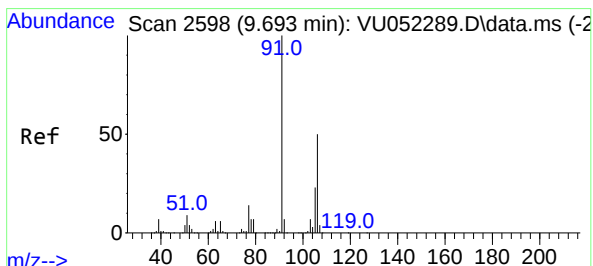
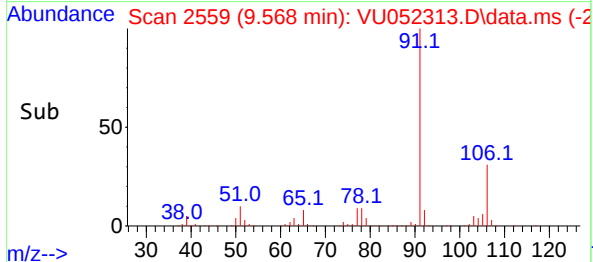
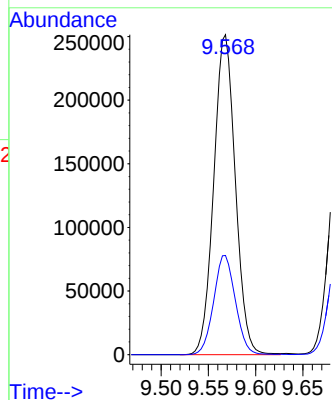
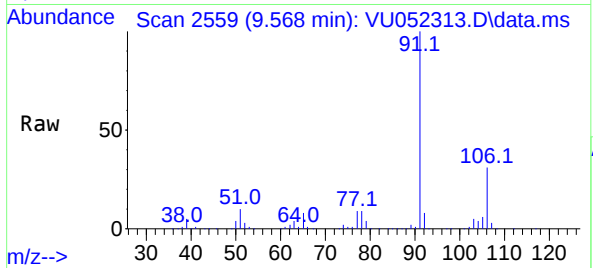




#52
Ethylbenzene
Concen: 5.015 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

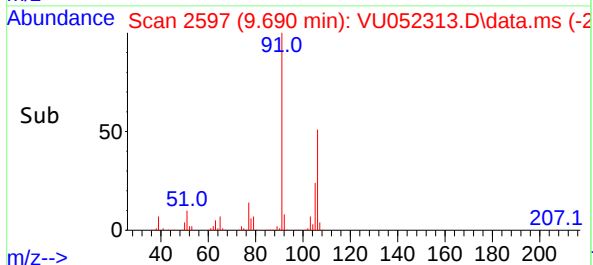
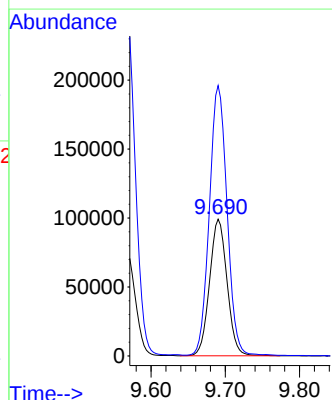
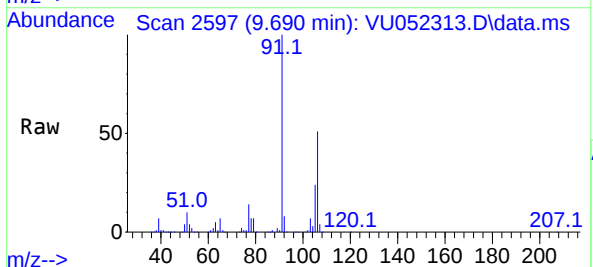
Instrument :
MSVOA_U
ClientSampleId :

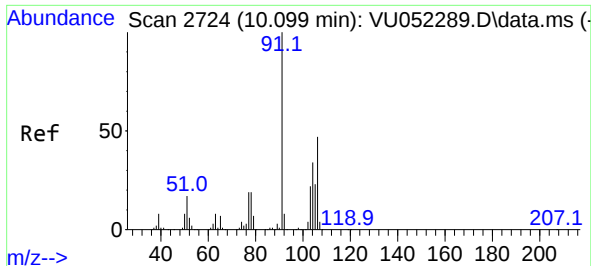
Tgt Ion: 91 Resp: 399070
Ion Ratio Lower Upper
91 100
106 31.0 22.3 41.3



#53
m,p-Xylene
Concen: 5.247 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Tgt Ion: 106 Resp: 161680
Ion Ratio Lower Upper
106 100
91 197.7 137.7 255.7

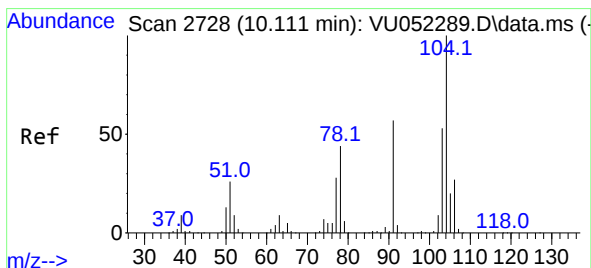
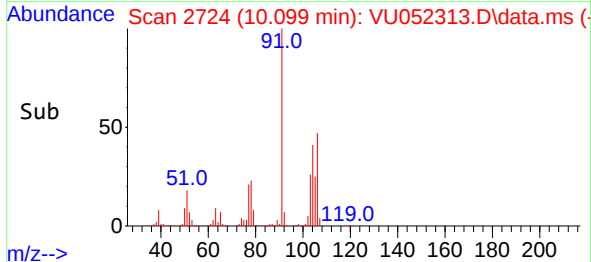
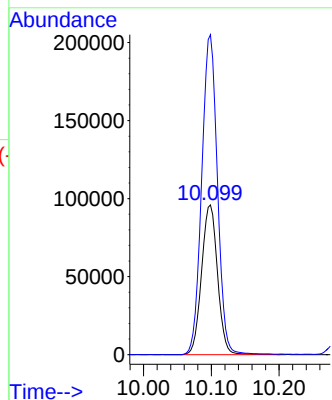
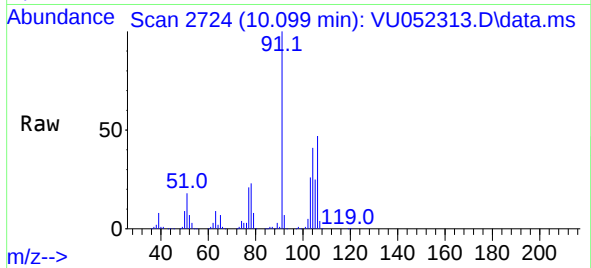




#54
o-Xylene
Concen: 5.299 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

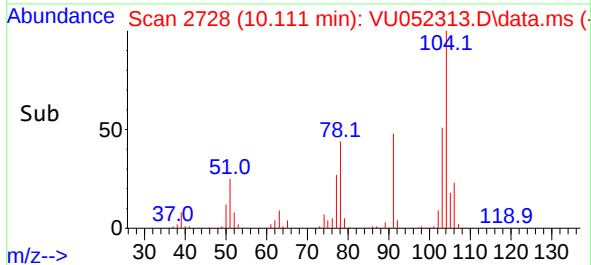
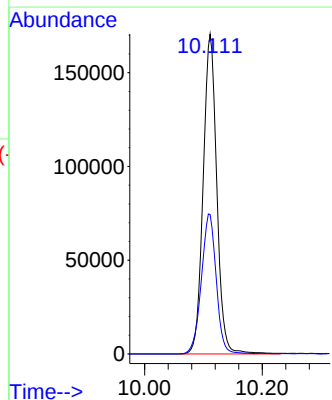
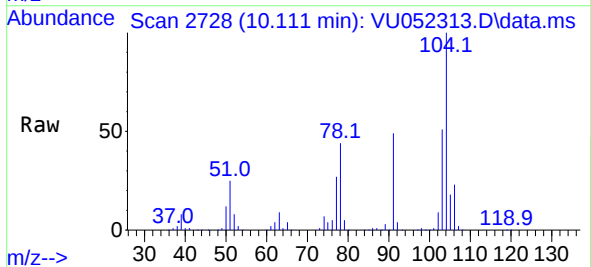
Instrument :
MSVOA_U
ClientSampleId :

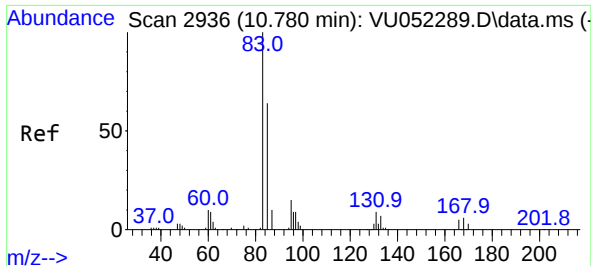
Tgt Ion:106 Resp: 156497
Ion Ratio Lower Upper
106 100
91 213.7 151.5 281.5



#55
Styrene
Concen: 5.508 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Tgt Ion:104 Resp: 274746
Ion Ratio Lower Upper
104 100
78 43.6 30.6 56.8





#57

1,1,2-Tetrachloroethane

Concen: 5.737 ug/L

RT: 10.777 min Scan# 2936

Delta R.T. -0.003 min

Lab File: VU052313.D

Acq: 09 Dec 2022 19:47

Instrument :

MSVOA_U

ClientSampleId :

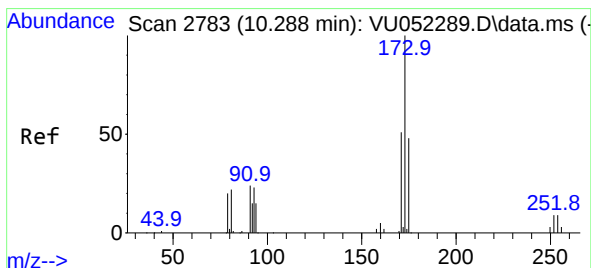
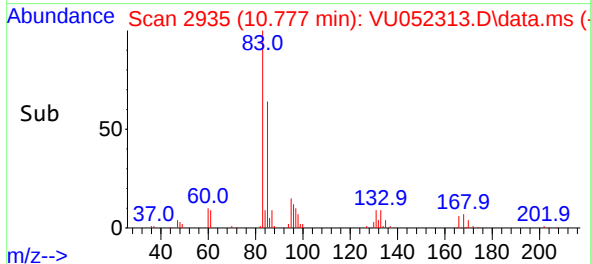
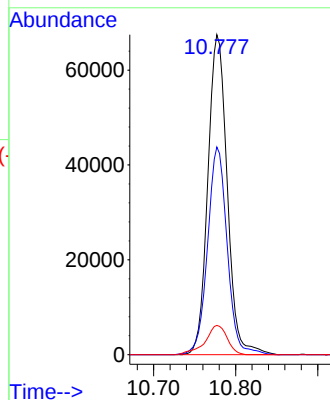
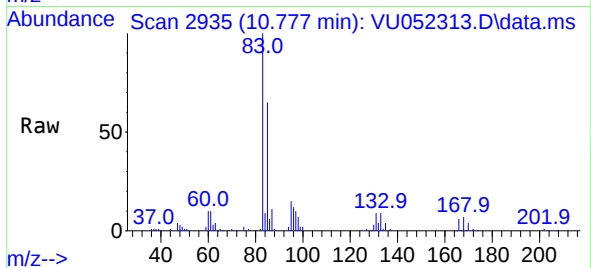
Tgt Ion: 83 Resp: 110933

Ion Ratio Lower Upper

83 100

85 64.9 45.7 84.9

131 9.1 7.6 11.4



#59

Bromoform

Concen: 5.154 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.003 min

Lab File: VU052313.D

Acq: 09 Dec 2022 19:47

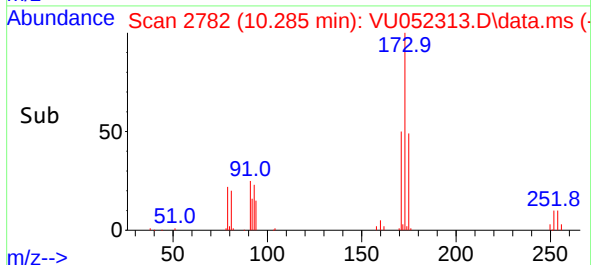
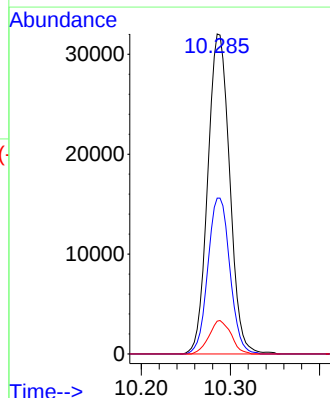
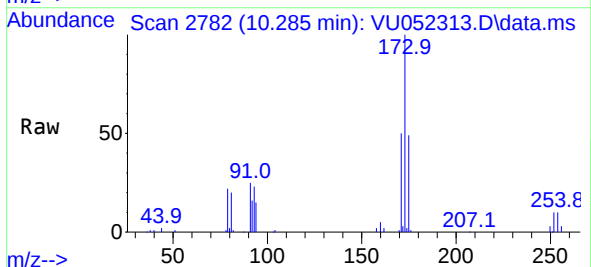
Tgt Ion:173 Resp: 54676

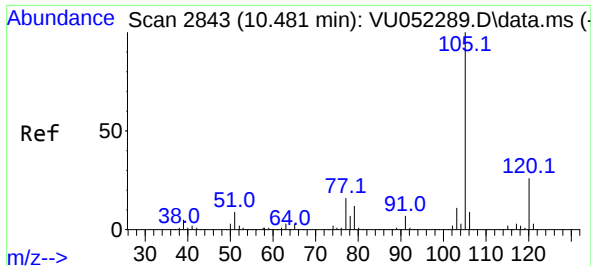
Ion Ratio Lower Upper

173 100

175 48.9 37.2 55.8

254 10.5 7.0 10.6

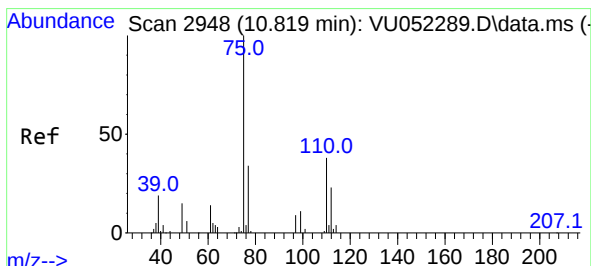
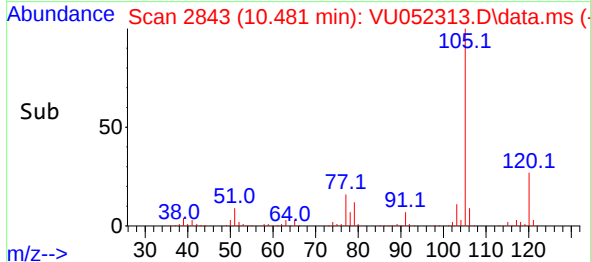
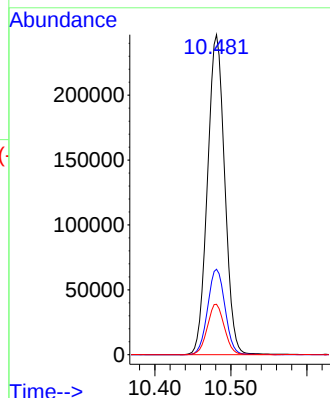
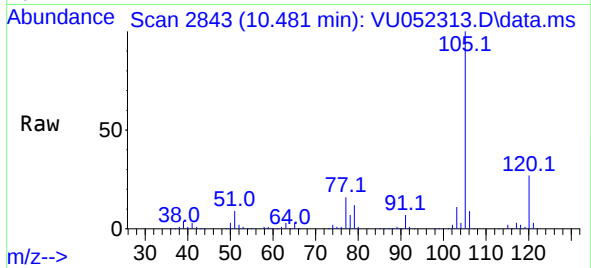




#60
Isopropylbenzene
Concen: 4.795 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

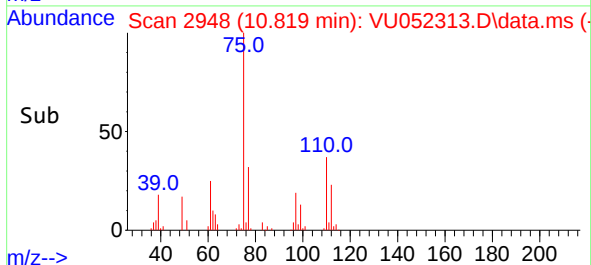
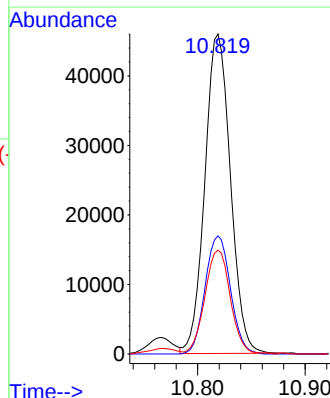
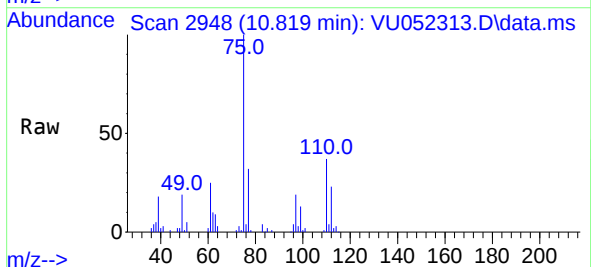
Instrument :
MSVOA_U
ClientSampleId :

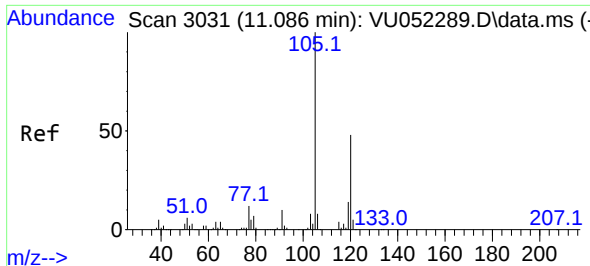
Tgt Ion:105 Resp: 387898
Ion Ratio Lower Upper
105 100
120 26.9 21.0 31.6
77 15.6 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 5.165 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Tgt Ion: 75 Resp: 76142
Ion Ratio Lower Upper
75 100
110 36.6 28.3 42.5
77 32.3 26.2 39.2

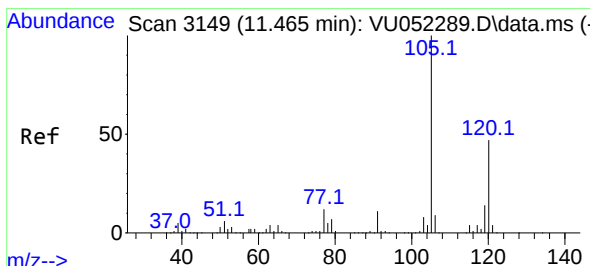
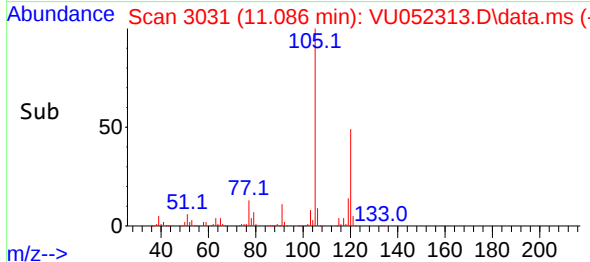
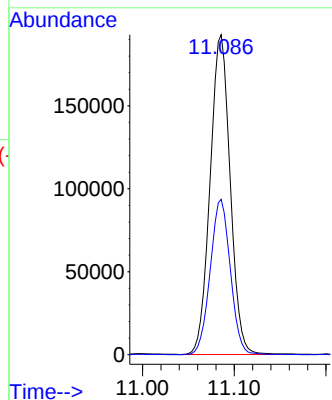
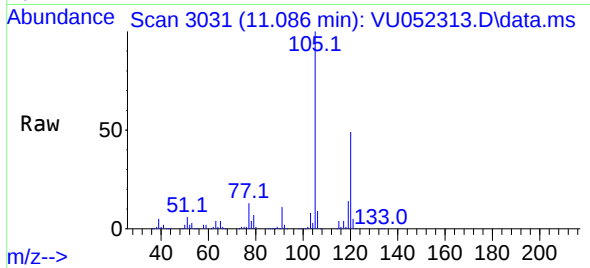




#62
1,3,5-Trimethylbenzene
Concen: 4.527 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

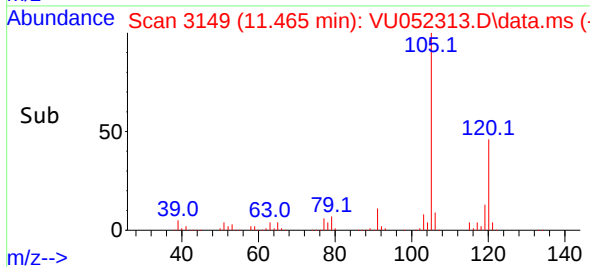
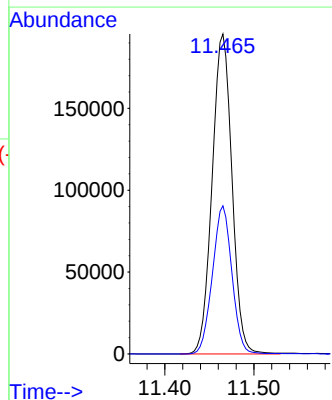
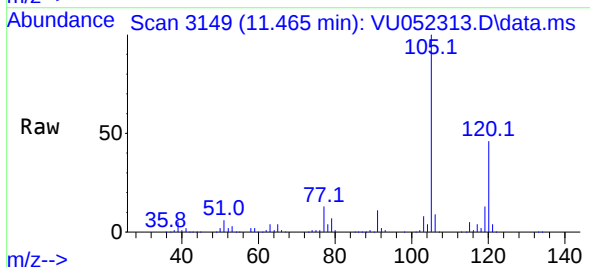
Instrument :
MSVOA_U
ClientSampleId :

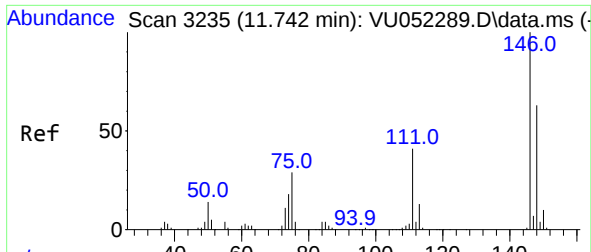
Tgt Ion:105 Resp: 292770
Ion Ratio Lower Upper
105 100
120 48.7 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 4.702 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Tgt Ion:105 Resp: 301877
Ion Ratio Lower Upper
105 100
120 45.4 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 4.877 ug/L

RT: 11.742 min Scan# 3235

Delta R.T. 0.000 min

Lab File: VU052313.D

Acq: 09 Dec 2022 19:47

Instrument :

MSVOA_U

ClientSampleId :

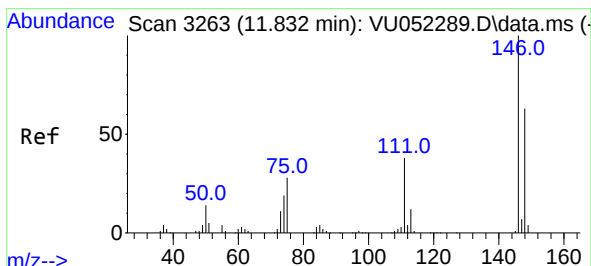
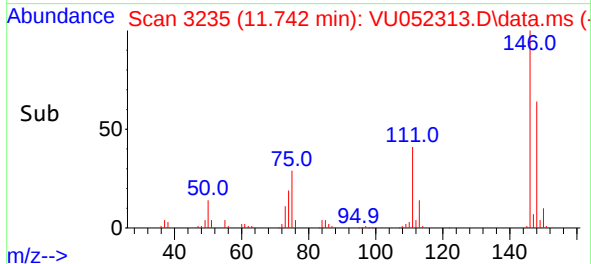
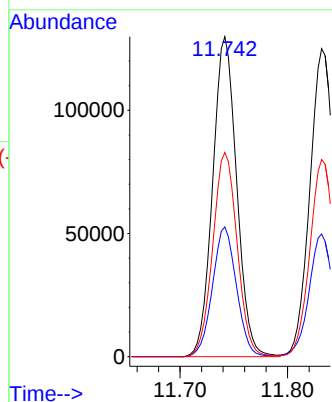
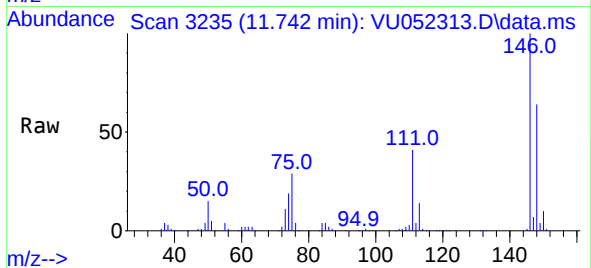
Tgt Ion:146 Resp: 201466

Ion Ratio Lower Upper

146 100

111 40.5 28.6 53.2

148 63.8 45.4 84.2



#65

1,4-Dichlorobenzene

Concen: 4.864 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. 0.000 min

Lab File: VU052313.D

Acq: 09 Dec 2022 19:47

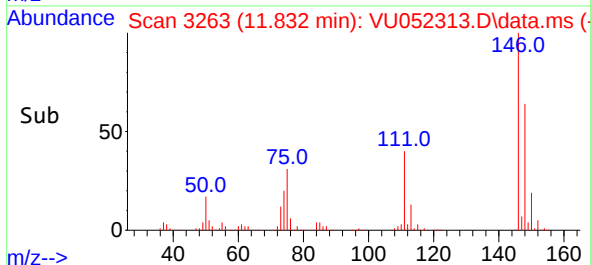
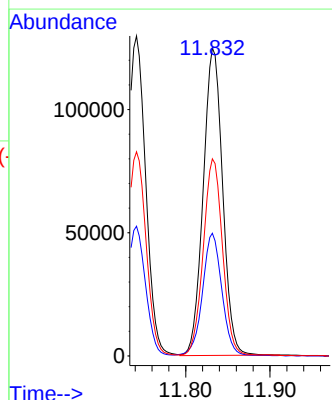
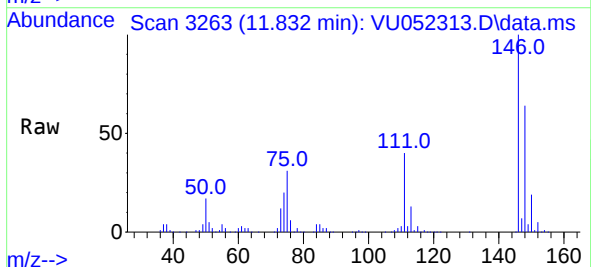
Tgt Ion:146 Resp: 200402

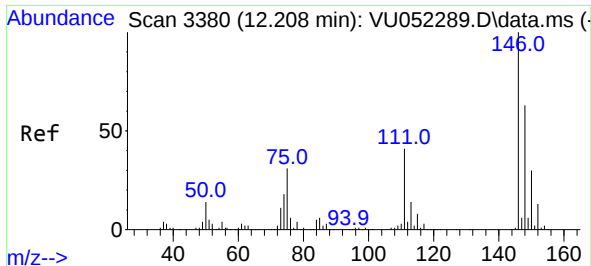
Ion Ratio Lower Upper

146 100

111 39.8 26.9 50.1

148 64.0 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 4.949 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052313.D

Acq: 09 Dec 2022 19:47

Instrument :

MSVOA_U

ClientSampleId :

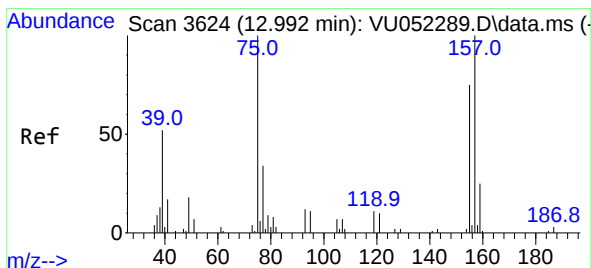
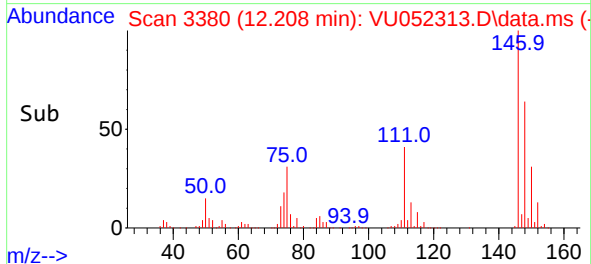
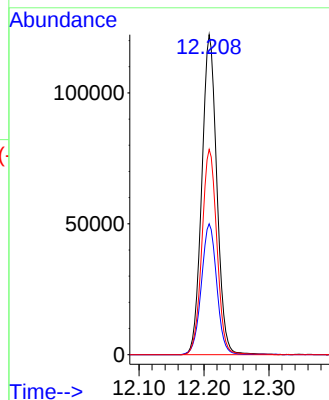
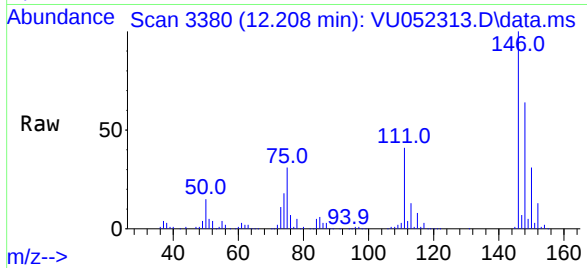
Tgt Ion:146 Resp: 196885

Ion Ratio Lower Upper

146 100

111 40.9 32.7 49.1

148 64.2 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.851 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU052313.D

Acq: 09 Dec 2022 19:47

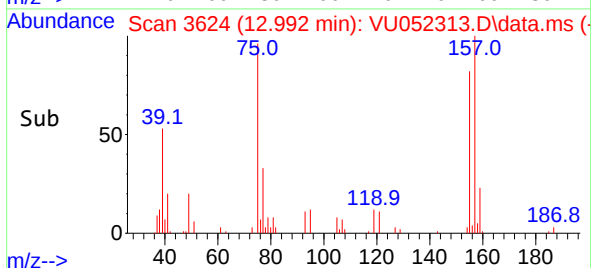
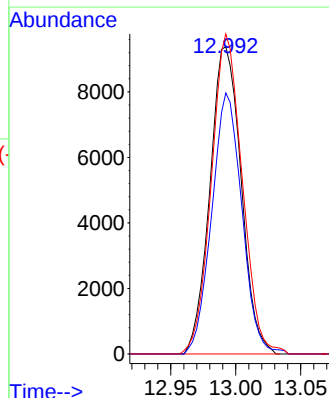
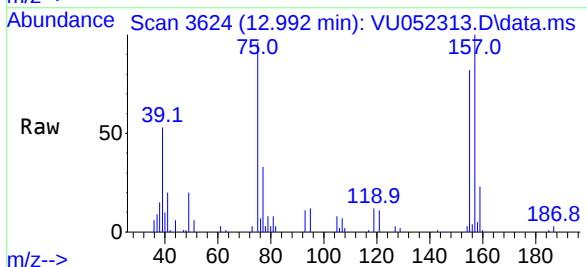
Tgt Ion: 75 Resp: 15648

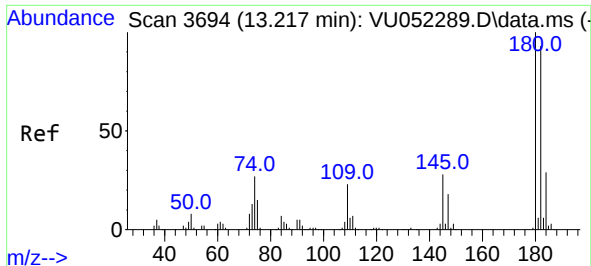
Ion Ratio Lower Upper

75 100

155 84.9 65.4 98.2

157 104.1 80.5 120.7





#69

1,3,5-Trichlorobenzene

Concen: 4.624 ug/L

RT: 13.214 min Scan# 30

Delta R.T. 0.000 min

Lab File: VU052313.D

Acq: 09 Dec 2022 19:47

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 135441

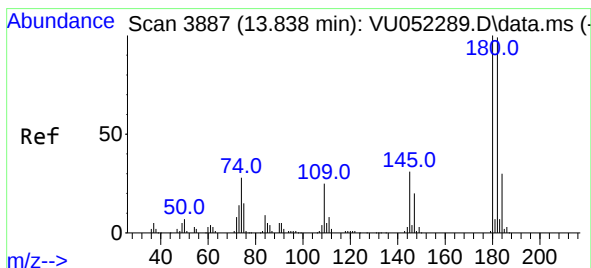
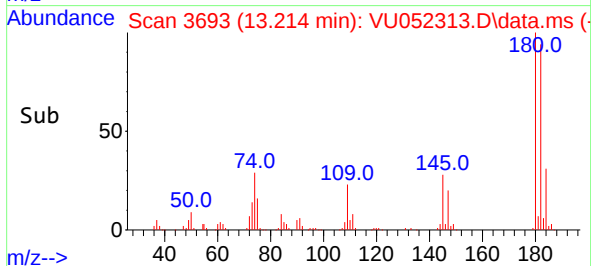
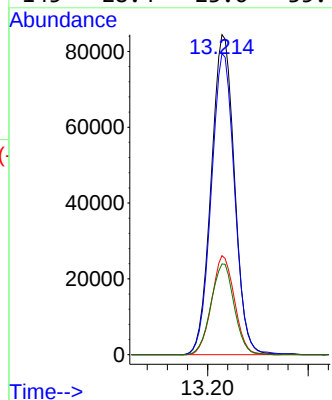
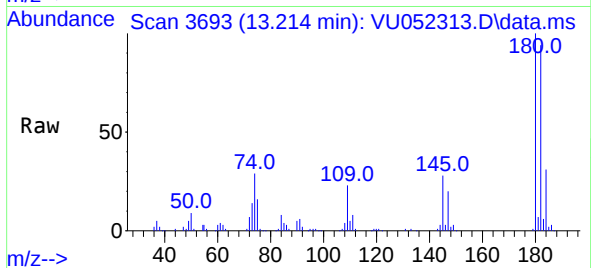
Ion Ratio Lower Upper

180 100

182 94.3 75.7 113.5

184 30.3 24.3 36.5

145 28.4 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 4.691 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.003 min

Lab File: VU052313.D

Acq: 09 Dec 2022 19:47

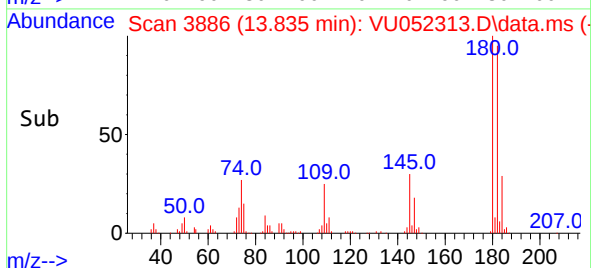
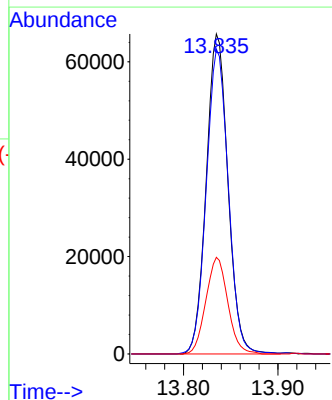
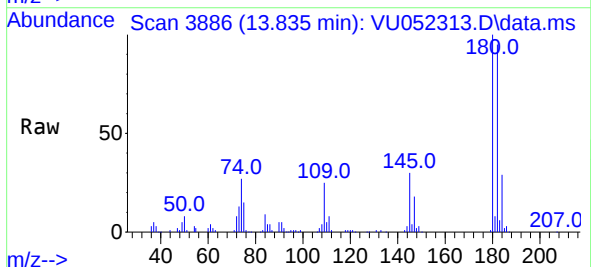
Tgt Ion:180 Resp: 104644

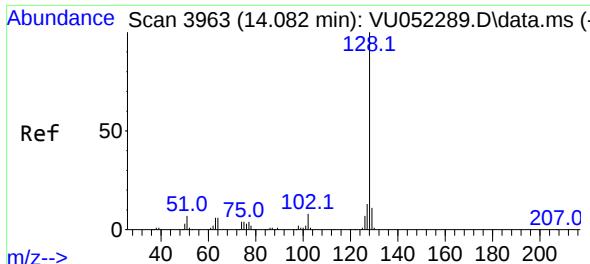
Ion Ratio Lower Upper

180 100

182 96.7 76.3 114.5

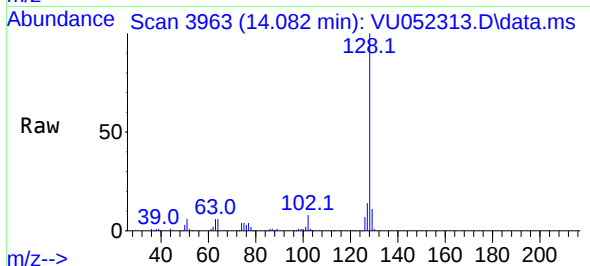
145 30.5 24.6 36.8



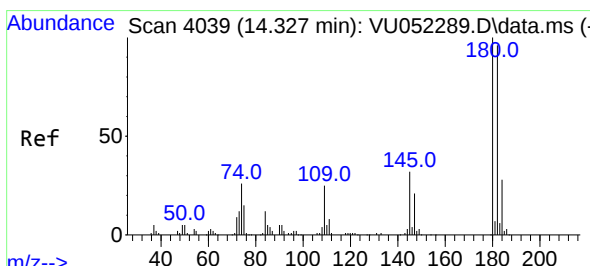
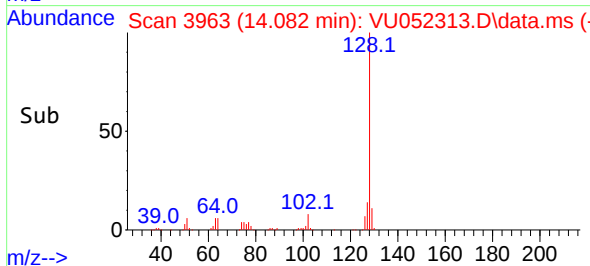
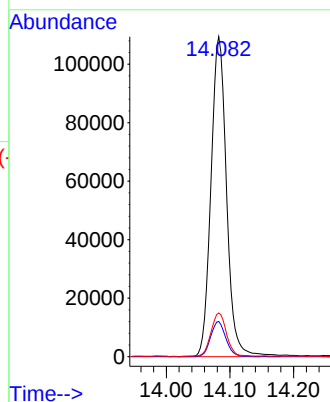


#71
Naphthalene
Concen: 4.450 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 186379
Ion Ratio Lower Upper
128 100
129 10.6 8.3 12.5
127 13.9 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.801 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU052313.D
Acq: 09 Dec 2022 19:47

Tgt Ion:180 Resp: 105364
Ion Ratio Lower Upper
180 100
182 94.5 75.7 113.5
145 31.7 24.5 36.7

