

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120922\
 Data File : VU052314.D
 Acq On : 09 Dec 2022 20:10
 Operator : JC/MD
 Sample : N5949-03MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZA2MSD

Quant Time: Dec 09 23:14:06 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	252132	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	257388	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	137965	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	102346	4.173	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.400%
7) Chloroethane-d5	1.916	69	89653	4.706	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.200%
11) 1,1-Dichloroethene-d2	2.568	65	40528	4.610	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.200%
20) 2-Butanone-d5	4.636	46	275435	61.959	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.920%
24) Chloroform-d	5.060	84	186766	5.183	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	5.700	65	93874	5.158	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.200%
32) Benzene-d6	5.726	84	385749	5.048	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
36) 1,2-Dichloropropane-d6	6.687	67	120772	5.107	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.200%
41) Toluene-d8	7.896	98	352908	5.104	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
43) trans-1,3-Dichloroprop...	8.176	79	41661	4.834	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.600%
46) 2-Hexanone-d5	8.632	63	213203	58.379	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.760%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	113239	5.523	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	127900	4.842	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	95671	4.375	ug/L	99
3) Chloromethane	1.520	50	124877	4.376	ug/L	99
5) Vinyl chloride	1.607	62	124318	4.534	ug/L	99
6) Bromomethane	1.861	94	56613	4.024	ug/L	97
8) Chloroethane	1.938	64	78777	4.620	ug/L	97
9) Trichlorofluoromethane	2.141	101	138998	4.608	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	86369	4.683	ug/L	99
12) 1,1-Dichloroethene	2.581	96	85275	4.662	ug/L	95
13) Acetone	2.652	43	171962	56.965	ug/L	99
14) Carbon disulfide	2.797	76	284352	4.491	ug/L	99
15) Methyl Acetate	2.957	43	38590	4.928	ug/L	97
16) Methylene chloride	3.047	84	109438	4.423	ug/L	99
17) Methyl tert-butyl Ether	3.363	73	201836	4.929	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	92908	4.739	ug/L	97
19) 1,1-Dichloroethane	3.867	63	183763	5.200	ug/L	99
21) 2-Butanone	4.713	43	286100	59.132	ug/L	99
22) cis-1,2-Dichloroethene	4.665	96	104566	5.082	ug/L	95
23) Bromochloromethane	4.977	128	51123	5.193	ug/L	98
25) Chloroform	5.086	83	181095	5.058	ug/L	99

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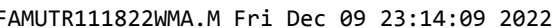
Instrument :
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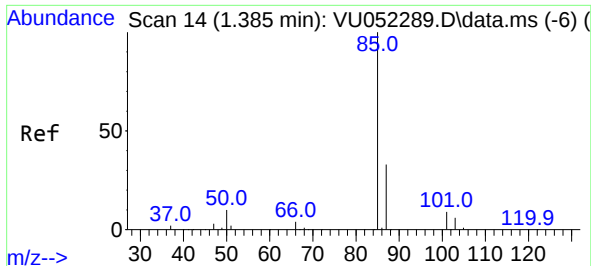
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	114067	5.201	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	136730	4.788	ug/L	100
30) Cyclohexane	5.388	56	126342	4.557	ug/L	99
31) Carbon tetrachloride	5.523	117	112671	4.643	ug/L	100
33) Benzene	5.771	78	414406	4.947	ug/L	100
34) Trichloroethene	6.539	95	96442	4.616	ug/L	96
35) Methylcyclohexane	6.761	83	134612	4.479	ug/L	99
37) 1,2-Dichloropropane	6.787	63	109257	5.038	ug/L	100
38) Bromodichloromethane	7.102	83	130980	4.953	ug/L	97
39) cis-1,3-Dichloropropene	7.604	75	130756	4.696	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	659844	58.244	ug/L	99
42) Toluene	7.967	91	436476	5.066	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	117986	4.948	ug/L	95
45) 1,1,2-Trichloroethane	8.398	97	84742	5.199	ug/L	98
47) Tetrachloroethene	8.549	164	73613	4.597	ug/L	94
48) 2-Hexanone	8.681	43	495019	59.602	ug/L	98
49) Dibromochloromethane	8.806	129	93274	5.110	ug/L	98
50) 1,2-Dibromoethane	8.922	107	77256	5.204	ug/L #	98
51) Chlorobenzene	9.443	112	269540	4.907	ug/L	99
52) Ethylbenzene	9.568	91	410799	4.904	ug/L	98
53) m,p-Xylene	9.690	106	162261	5.002	ug/L	99
54) o-Xylene	10.099	106	158164	5.088	ug/L	94
55) Styrene	10.111	104	277931	5.293	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	112459	5.525	ug/L	97
59) Bromoform	10.285	173	53923	4.745	ug/L	95
60) Isopropylbenzene	10.481	105	398012	4.593	ug/L	100
61) 1,2,3-Trichloropropane	10.819	75	75580	4.787	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	302030	4.360	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	307114	4.466	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	206725	4.672	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	207945	4.712	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	199425	4.680	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	16196	4.687	ug/L	92
69) 1,3,5-Trichlorobenzene	13.214	180	143973	4.588	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	116905	4.893	ug/L	99
71) Naphthalene	14.082	128	214564	4.783	ug/L	98
72) 1,2,3-Trichlorobenzene	14.323	180	118898	5.058	ug/L	100

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

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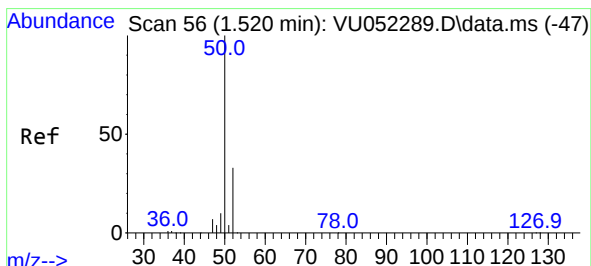
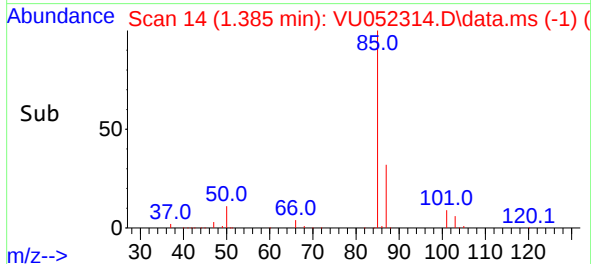
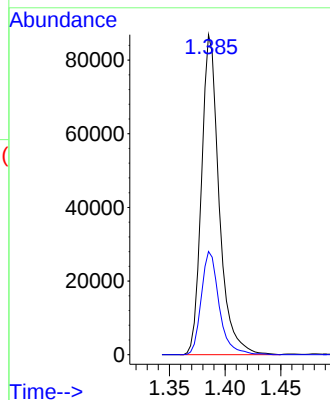
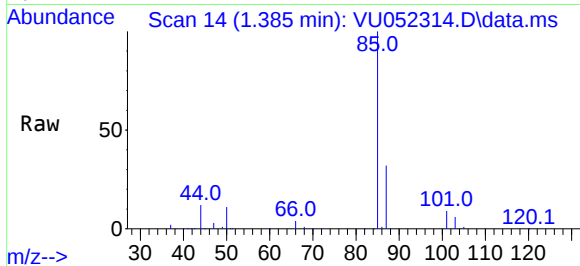




#2
Dichlorodifluoromethane
Concen: 4.375 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

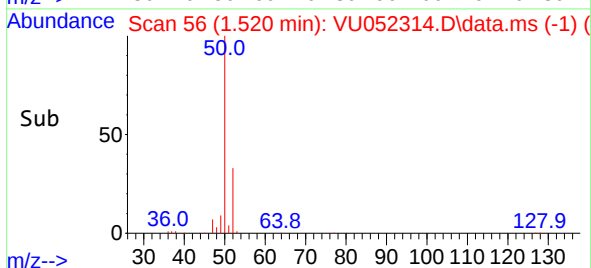
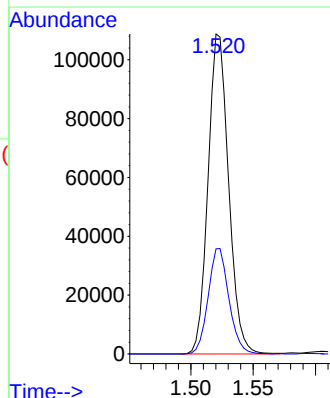
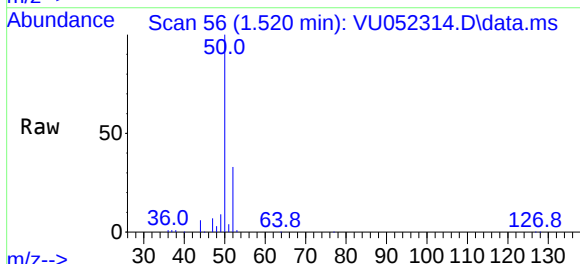
Instrument :
MSVOA_U
ClientSampleId :
EXZA2MSD

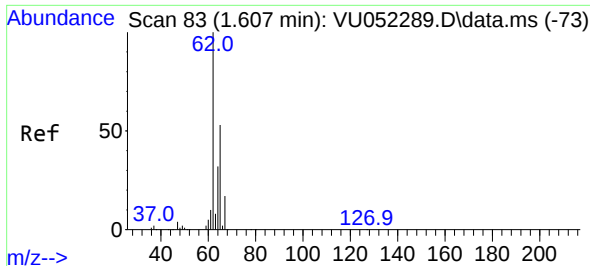
Tgt Ion: 85 Resp: 95671
Ion Ratio Lower Upper
85 100
87 32.7 25.8 38.8



#3
Chloromethane
Concen: 4.376 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion: 50 Resp: 124877
Ion Ratio Lower Upper
50 100
52 32.9 23.4 43.4

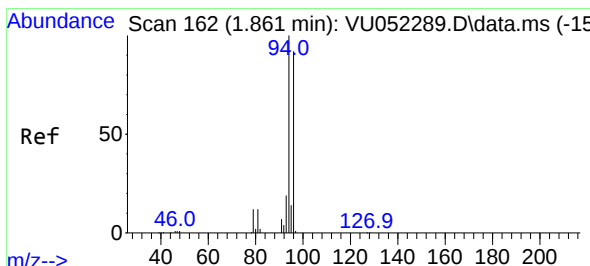
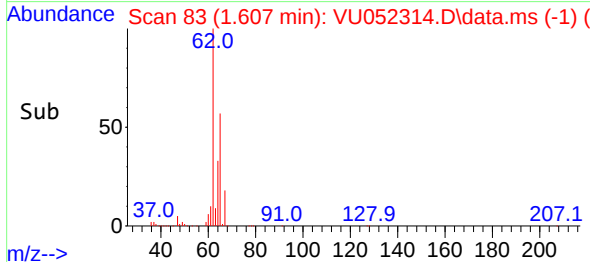
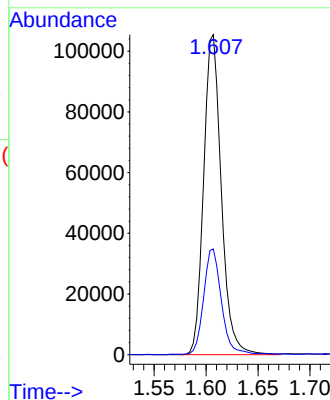
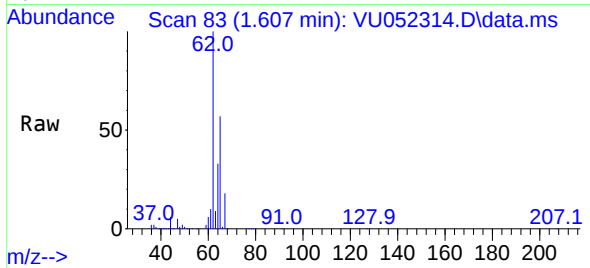




#5
 Vinyl chloride
 Concen: 4.534 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU052314.D
 Acq: 09 Dec 2022 20:10

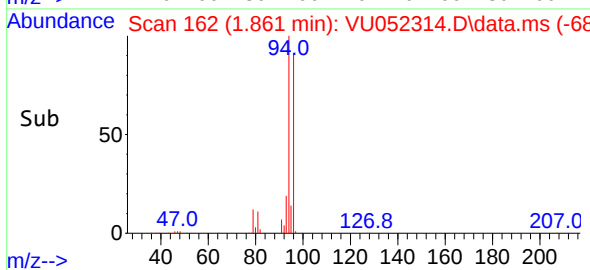
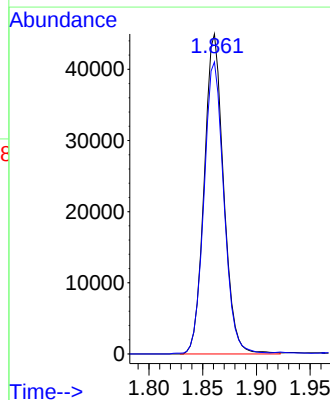
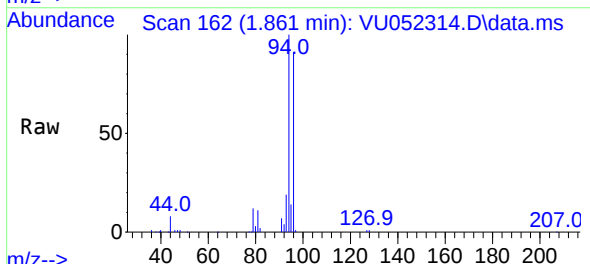
Instrument :
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 ClientSampleId :
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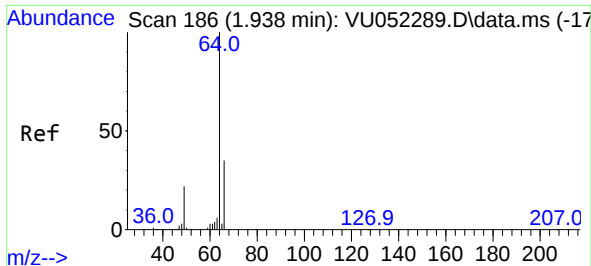
Tgt Ion: 62 Resp: 124318
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.5 43.7



#6
 Bromomethane
 Concen: 4.024 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.003 min
 Lab File: VU052314.D
 Acq: 09 Dec 2022 20:10

Tgt Ion: 94 Resp: 56613
 Ion Ratio Lower Upper
 94 100
 96 91.2 65.7 122.1

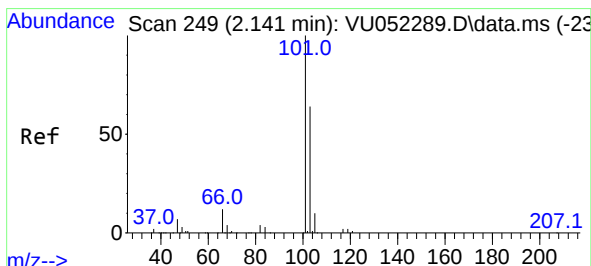
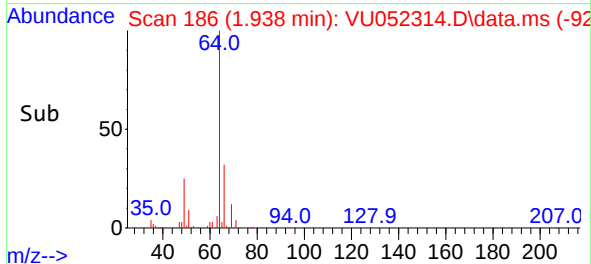
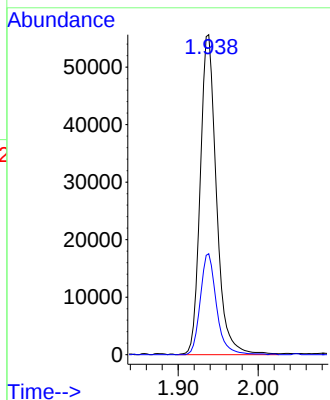
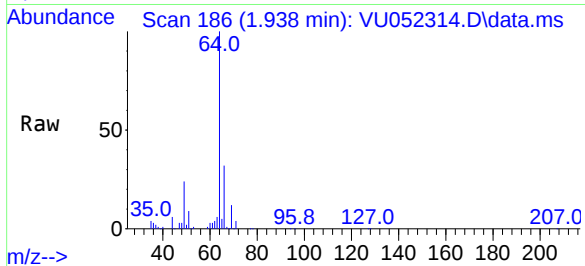




#8
Chloroethane
Concen: 4.620 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.003 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

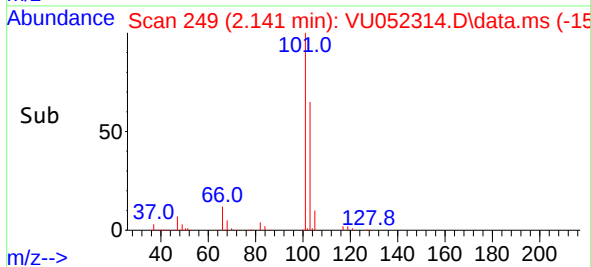
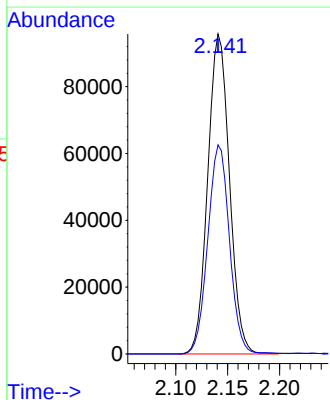
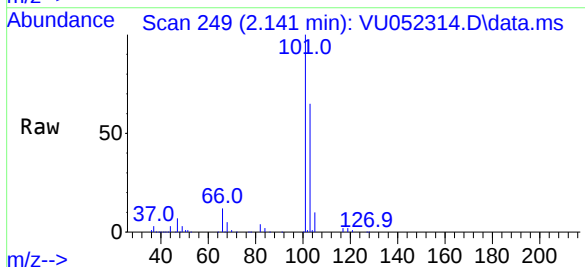
Instrument :
MSVOA_U
ClientSampleId :
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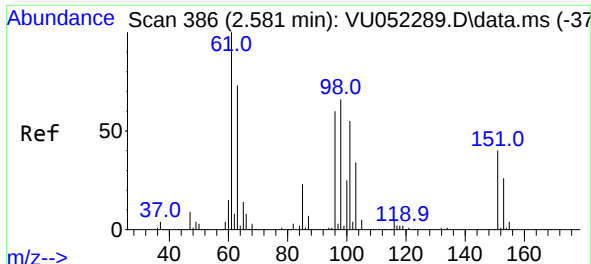
Tgt Ion: 64 Resp: 78777
Ion Ratio Lower Upper
64 100
66 31.5 21.1 39.1



#9
Trichlorofluoromethane
Concen: 4.608 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion:101 Resp: 138998
Ion Ratio Lower Upper
101 100
103 65.4 51.6 77.4

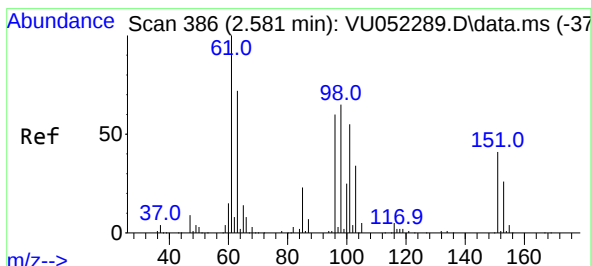
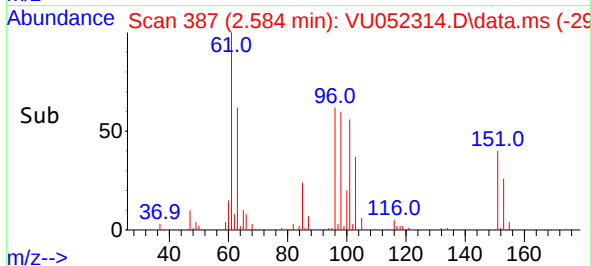
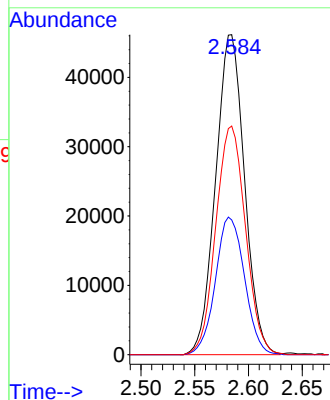
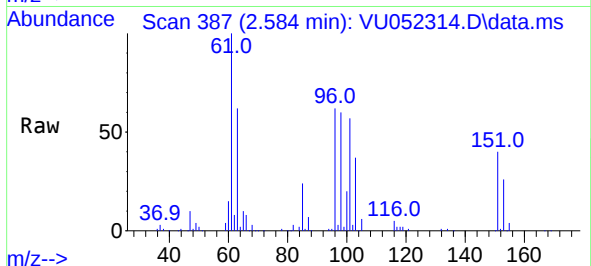




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.683 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.003 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

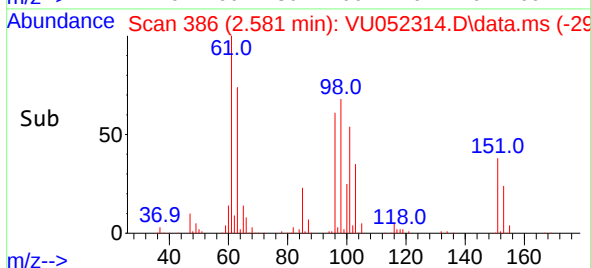
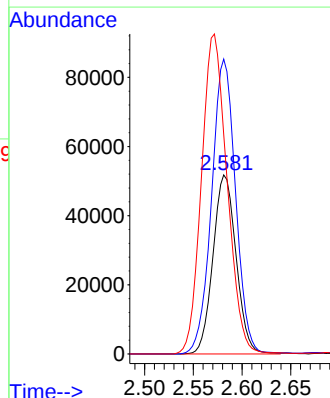
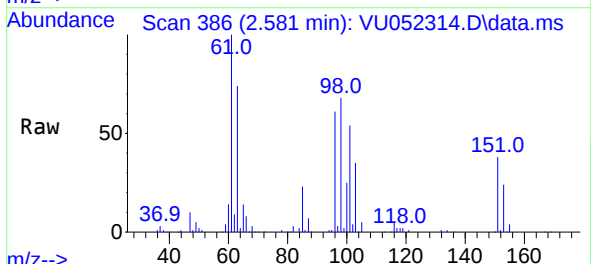
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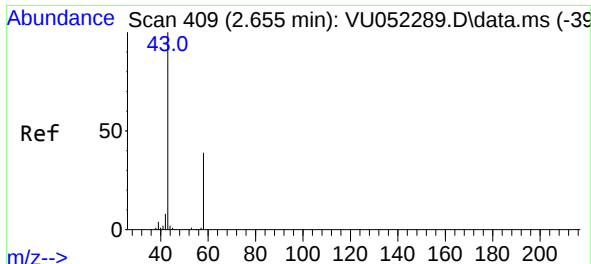
Tgt Ion:101 Resp: 86369
Ion Ratio Lower Upper
101 100
85 43.4 33.8 50.6
151 73.5 58.6 88.0



#12
1,1-Dichloroethene
Concen: 4.662 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion: 96 Resp: 85275
Ion Ratio Lower Upper
96 100
61 164.7 114.8 213.2
63 122.6 93.7 174.1





#13

Acetone

Concen: 56.965 ug/L

RT: 2.652 min Scan# 409

Delta R.T. 0.006 min

Lab File: VU052314.D

Acq: 09 Dec 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

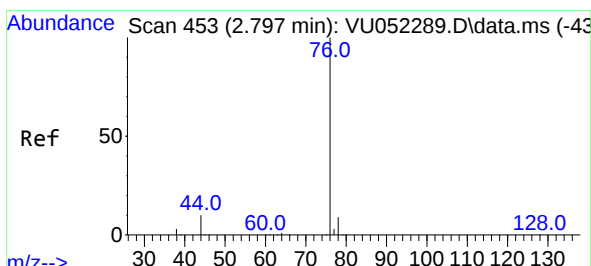
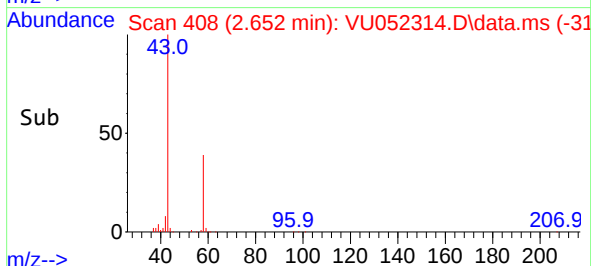
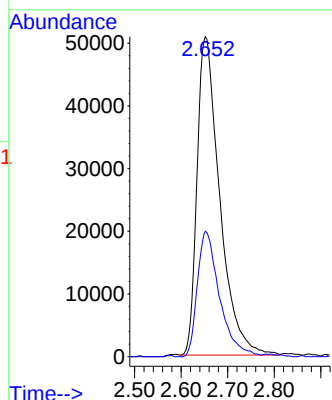
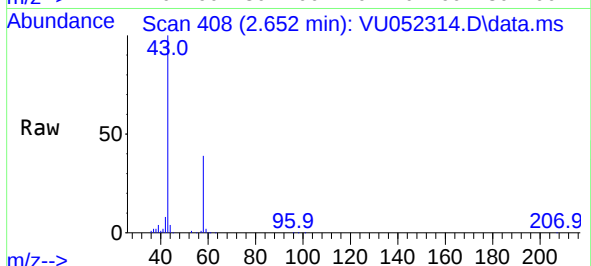
EXZA2MSD

Tgt Ion: 43 Resp: 171962

Ion Ratio Lower Upper

43 100

58 38.5 0.0 76.0



#14

Carbon disulfide

Concen: 4.491 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.003 min

Lab File: VU052314.D

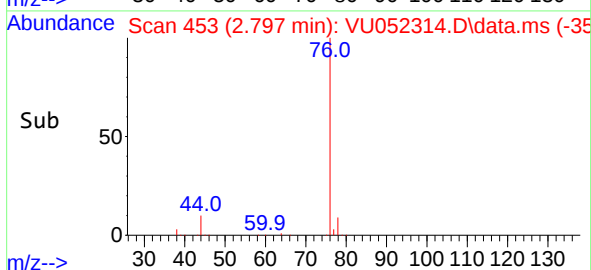
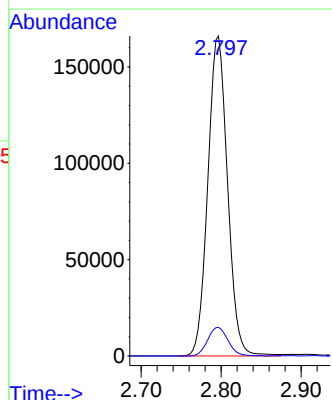
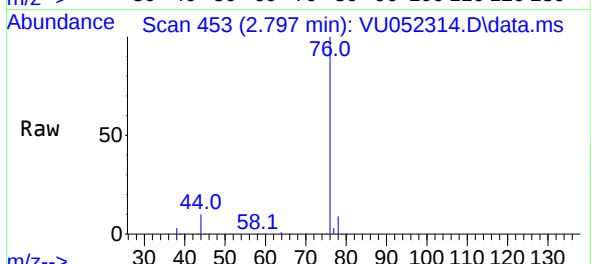
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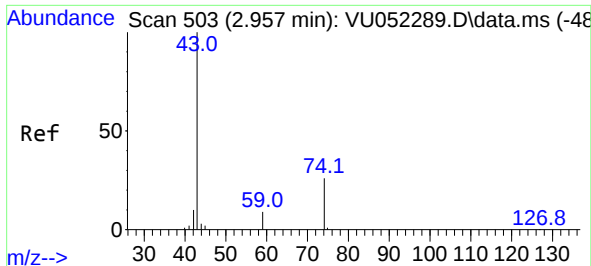
Tgt Ion: 76 Resp: 284352

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4

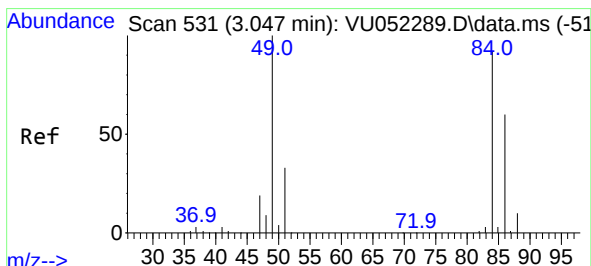
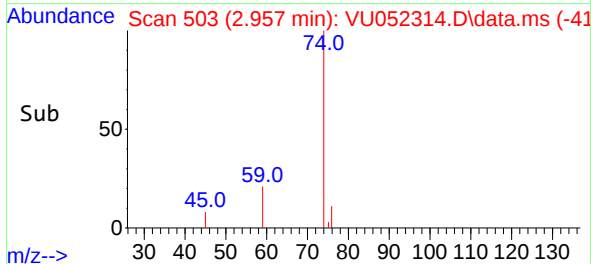
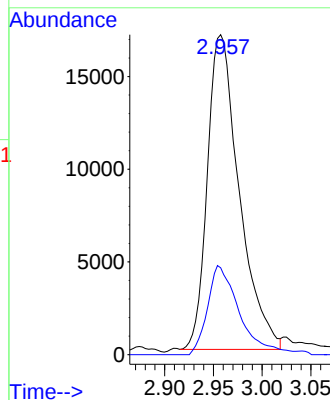
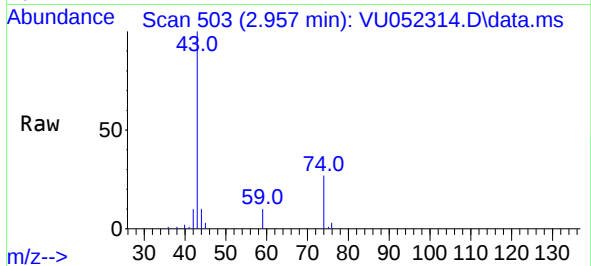




#15
Methyl Acetate
Concen: 4.928 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

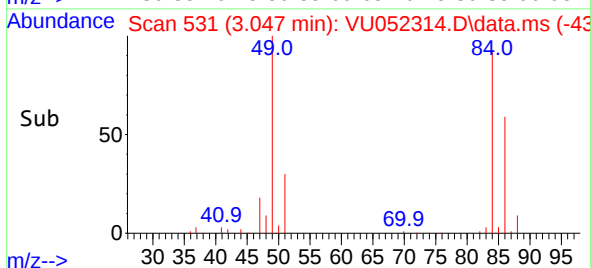
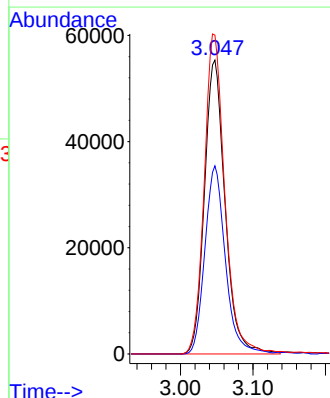
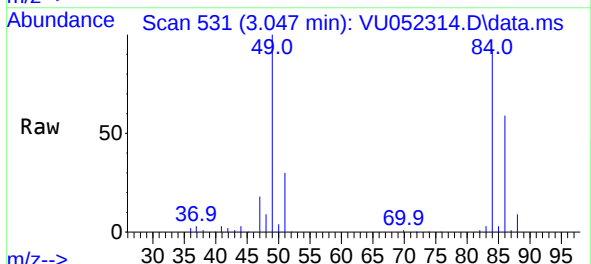
Instrument :
MSVOA_U
ClientSampleId :
EXZA2MSD

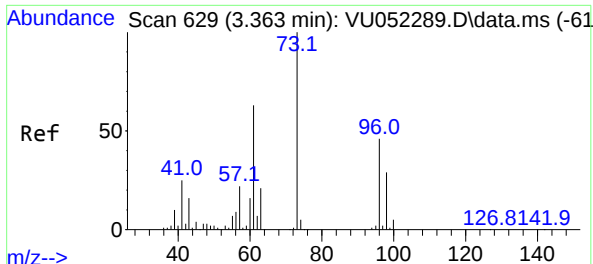
Tgt Ion: 43 Resp: 38590
Ion Ratio Lower Upper
43 100
74 28.2 21.3 31.9



#16
Methylene chloride
Concen: 4.423 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion: 84 Resp: 109438
Ion Ratio Lower Upper
84 100
86 64.0 43.8 81.4
49 108.5 75.9 141.1



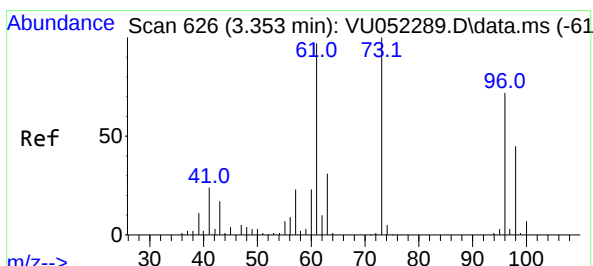
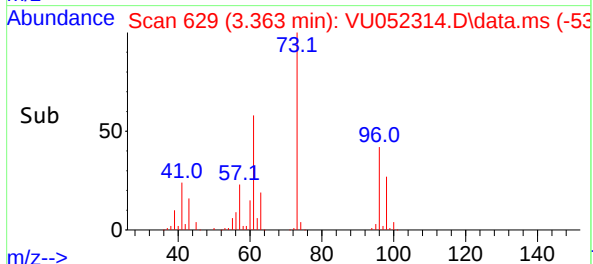
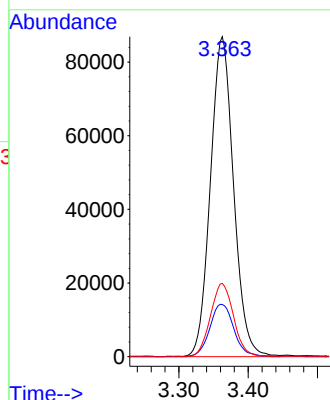
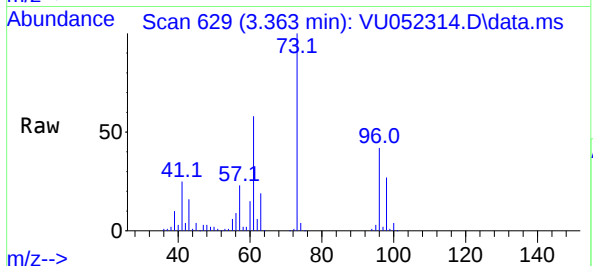


#17
Methyl tert-butyl Ether
Concen: 4.929 ug/L
RT: 3.363 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Instrument :
MSVOA_U
ClientSampleId :
EXZA2MSD

Tgt Ion: 73 Resp: 201836

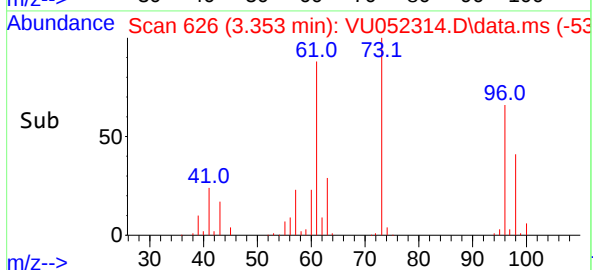
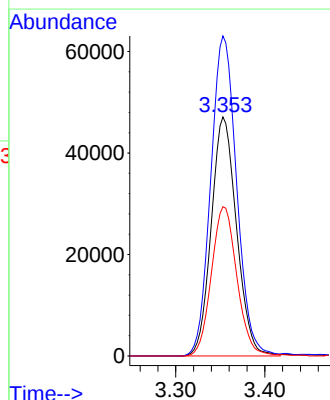
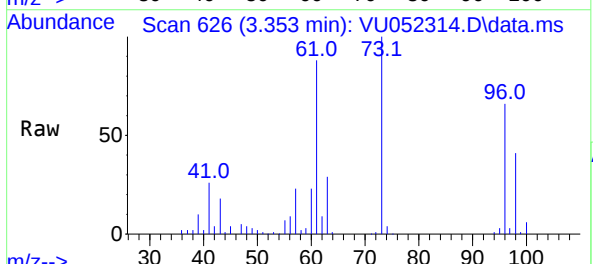
Ion	Ratio	Lower	Upper
73	100		
43	16.7	13.2	19.8
57	22.9	17.8	26.8

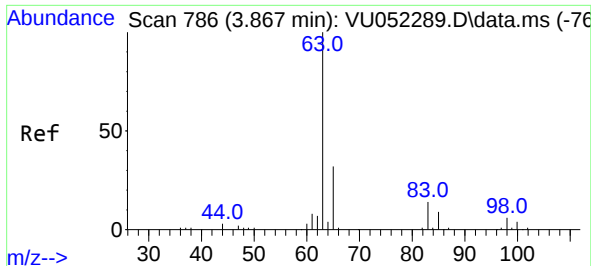


#18
trans-1,2-Dichloroethene
Concen: 4.739 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion: 96 Resp: 92908

Ion	Ratio	Lower	Upper
96	100		
61	133.8	97.9	181.7
98	62.5	43.8	81.3

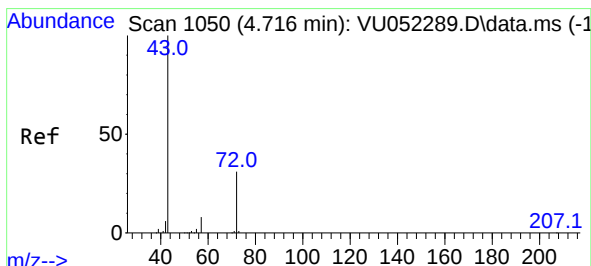
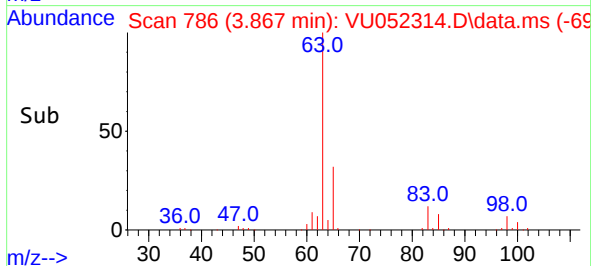
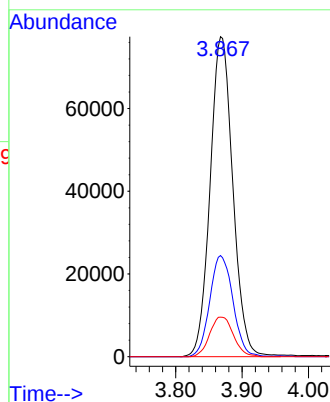
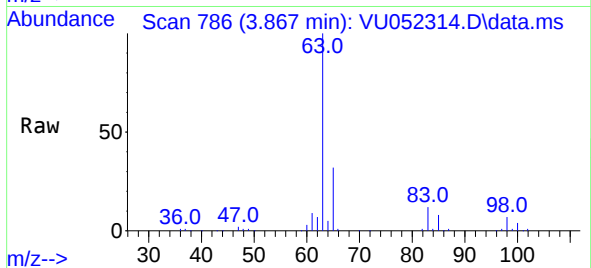




#19
1,1-Dichloroethane
Concen: 5.200 ug/L
RT: 3.867 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

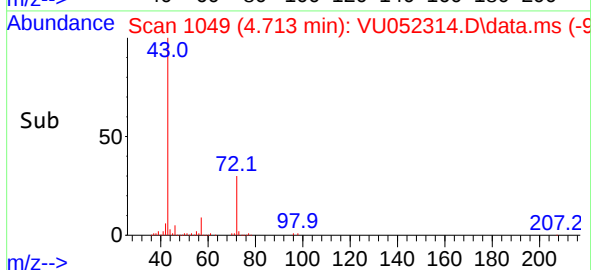
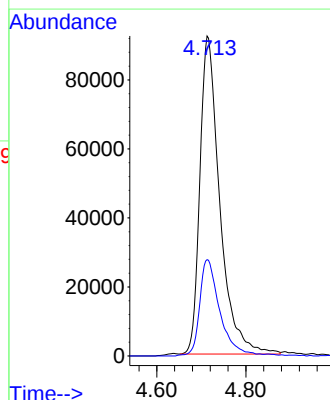
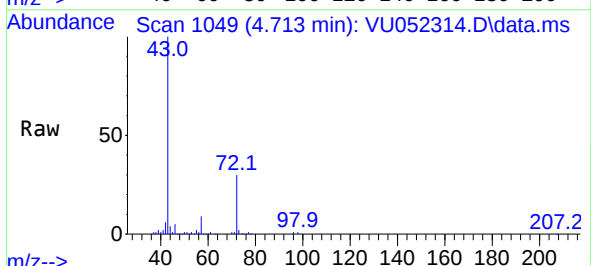
Instrument :
MSVOA_U
ClientSampleId :
EXZA2MSD

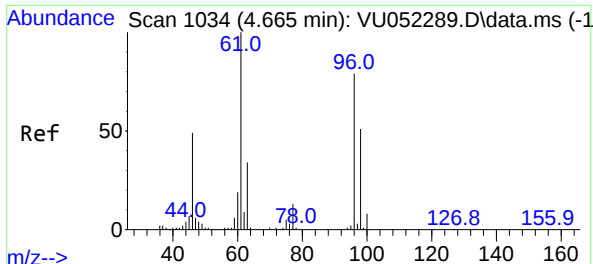
Tgt Ion: 63 Resp: 183763
Ion Ratio Lower Upper
63 100
65 31.6 22.2 41.2
83 12.4 9.2 17.0



#21
2-Butanone
Concen: 59.132 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion: 43 Resp: 286100
Ion Ratio Lower Upper
43 100
72 30.5 15.6 46.8

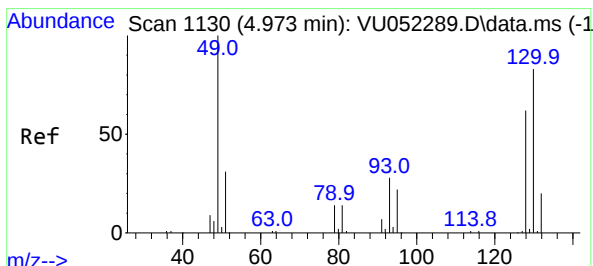
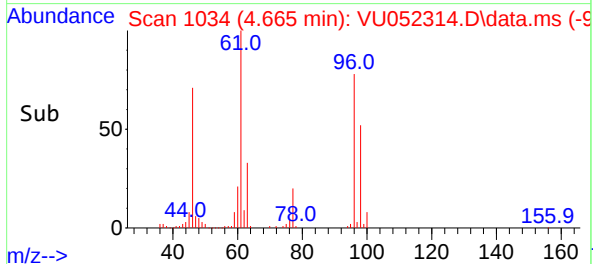
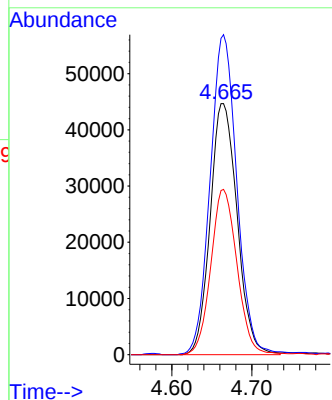
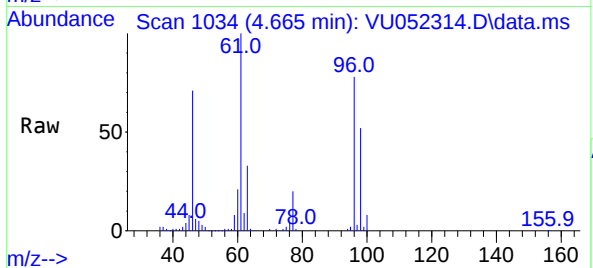




#22
 cis-1,2-Dichloroethene
 Concen: 5.082 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU052314.D
 Acq: 09 Dec 2022 20:10

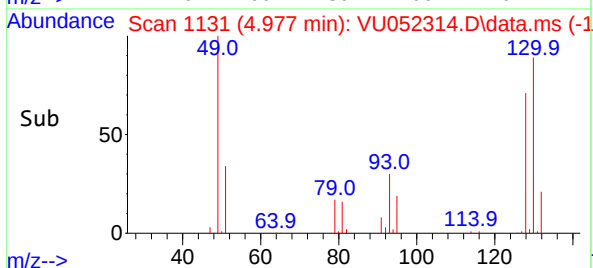
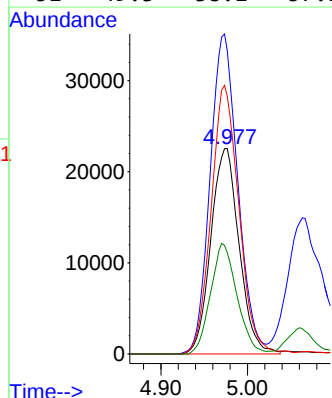
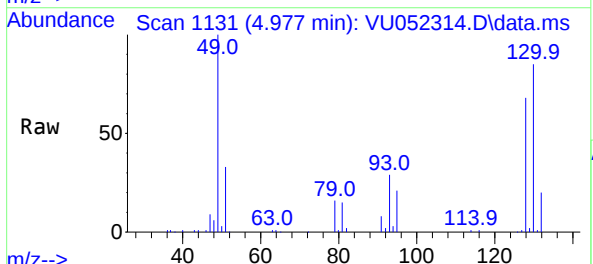
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZA2MSD

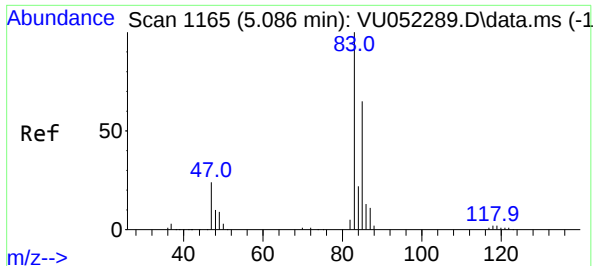
Tgt Ion: 96 Resp: 104566
 Ion Ratio Lower Upper
 96 100
 61 127.4 85.1 158.1
 98 65.8 42.8 79.6



#23
 Bromochloromethane
 Concen: 5.193 ug/L
 RT: 4.977 min Scan# 1131
 Delta R.T. 0.003 min
 Lab File: VU052314.D
 Acq: 09 Dec 2022 20:10

Tgt Ion:128 Resp: 51123
 Ion Ratio Lower Upper
 128 100
 49 147.8 104.0 193.2
 130 125.5 84.6 157.2
 51 49.3 38.1 57.1





#25

Chloroform

Concen: 5.058 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052314.D

Acq: 09 Dec 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

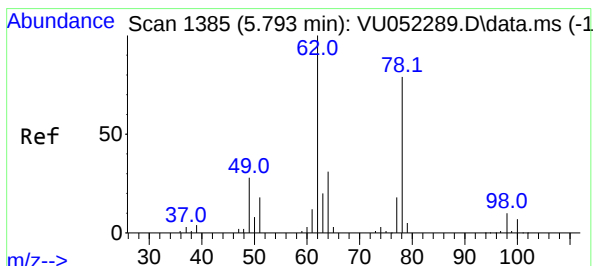
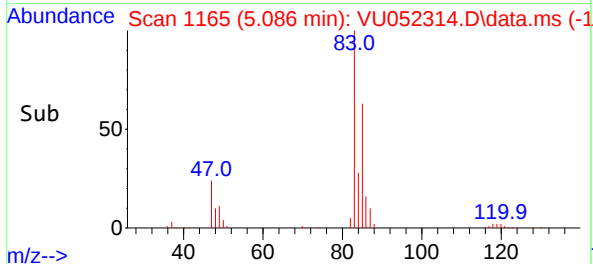
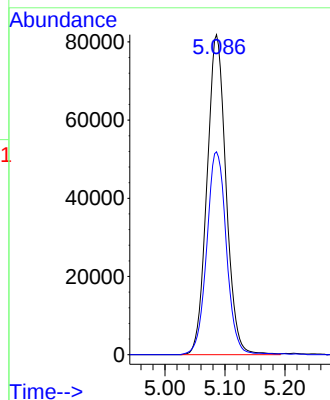
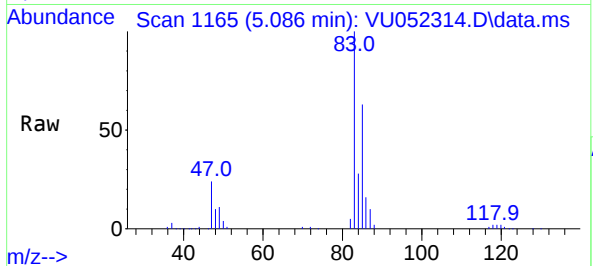
EXZA2MSD

Tgt Ion: 83 Resp: 181095

Ion Ratio Lower Upper

83 100

85 63.4 43.8 81.4



#27

1,2-Dichloroethane

Concen: 5.201 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU052314.D

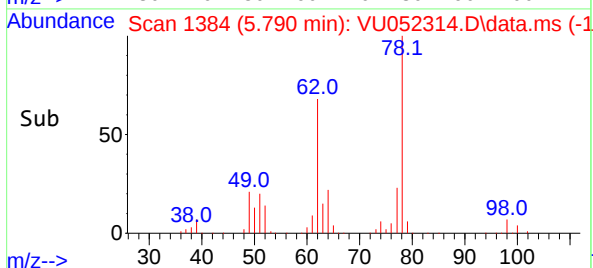
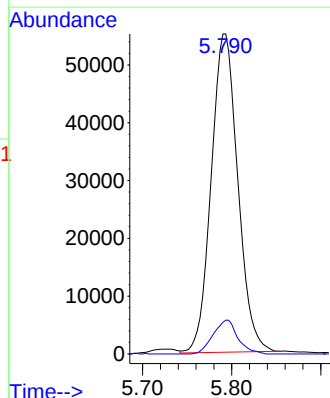
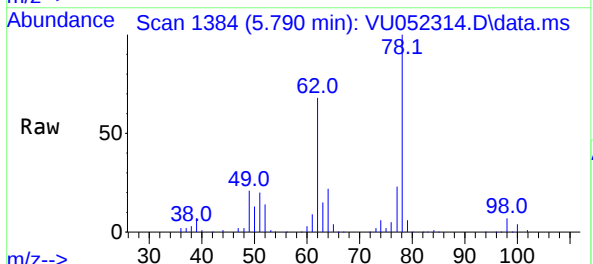
Acq: 09 Dec 2022 20:10

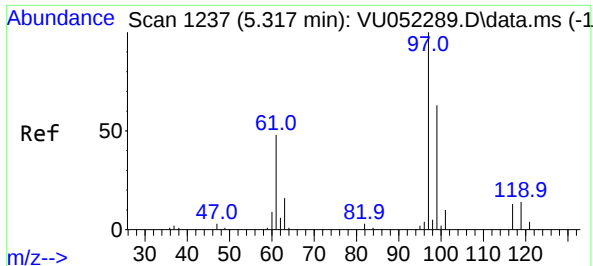
Tgt Ion: 62 Resp: 114067

Ion Ratio Lower Upper

62 100

98 9.9 8.4 12.6

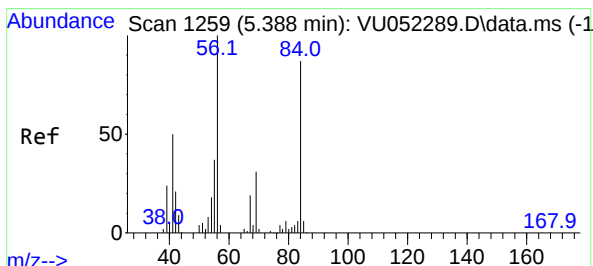
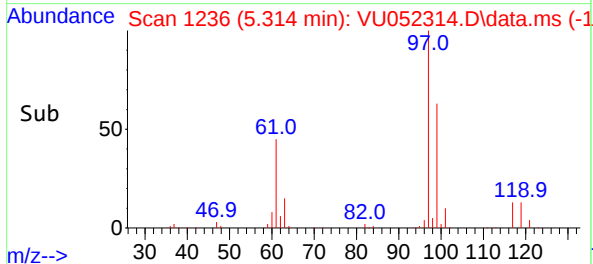
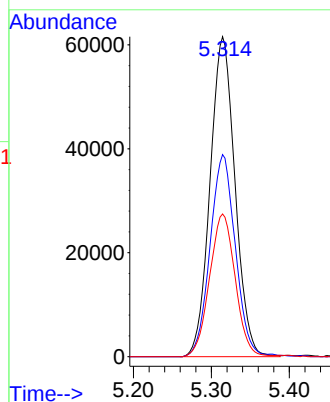
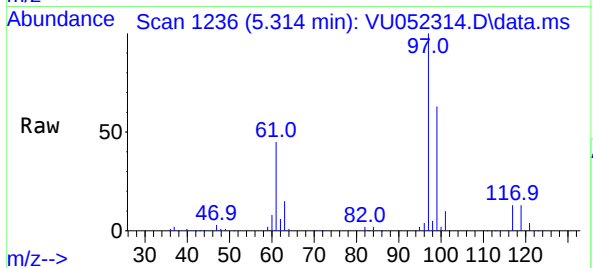




#29
1,1,1-Trichloroethane
Concen: 4.788 ug/L
RT: 5.314 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

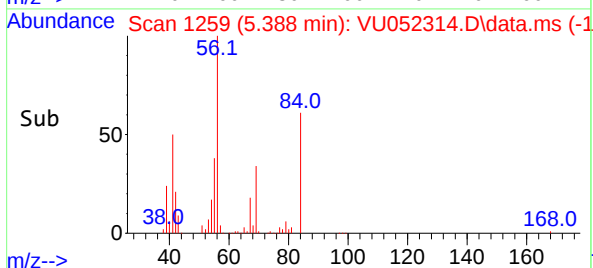
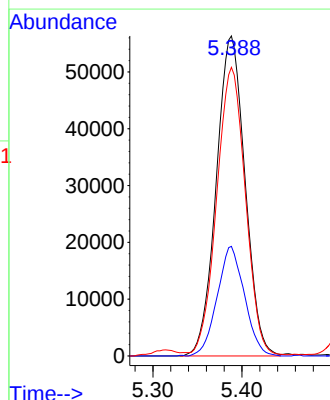
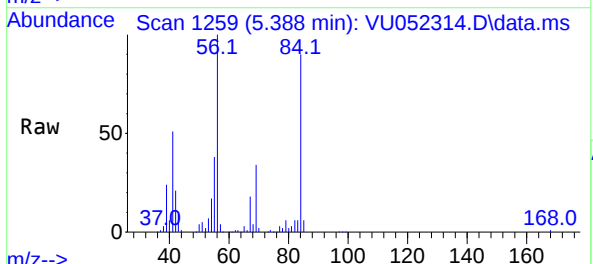
Instrument :
MSVOA_U
ClientSampleId :
EXZA2MSD

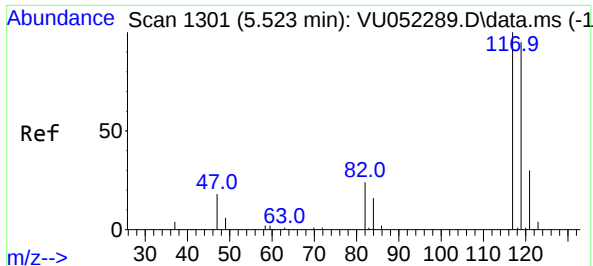
Tgt Ion: 97 Resp: 136730
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 45.9 36.9 55.3



#30
Cyclohexane
Concen: 4.557 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion: 56 Resp: 126342
Ion Ratio Lower Upper
56 100
69 32.5 25.6 38.4
84 89.4 72.0 108.0

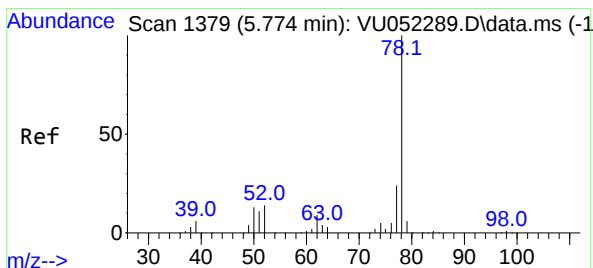
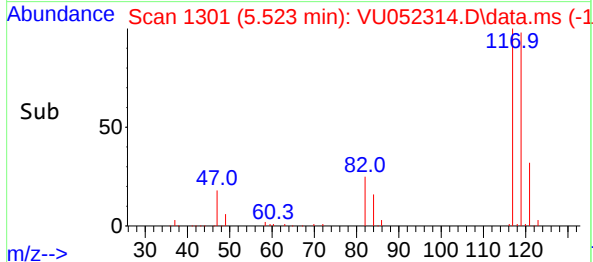
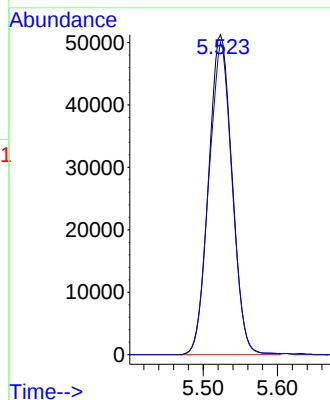
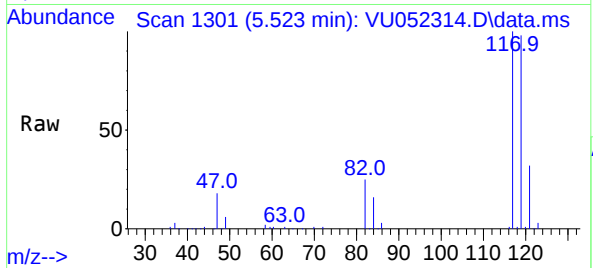




#31
Carbon tetrachloride
Concen: 4.643 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

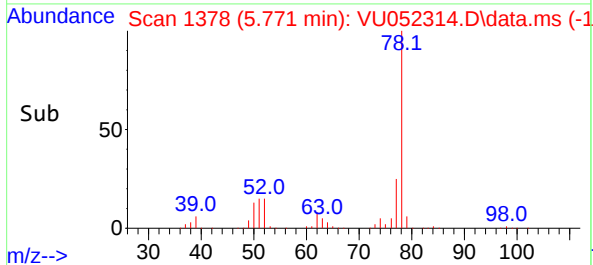
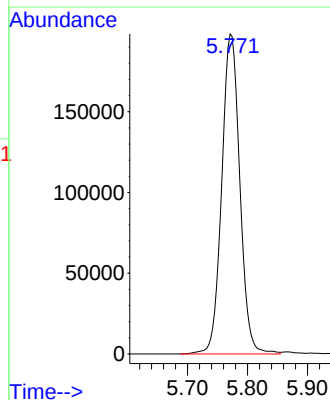
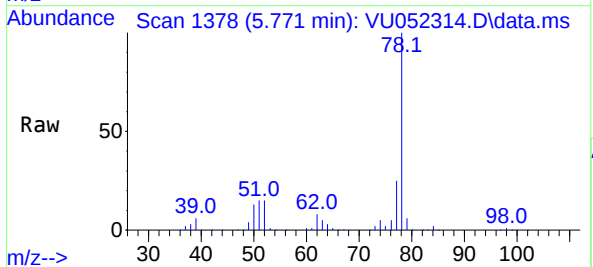
Instrument :
MSVOA_U
ClientSampleId :
EXZA2MSD

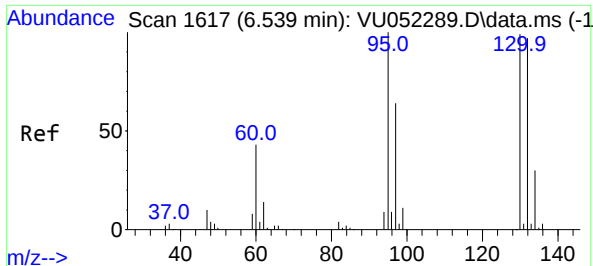
Tgt Ion:117 Resp: 112671
Ion Ratio Lower Upper
117 100
119 96.9 77.2 115.8



#33
Benzene
Concen: 4.947 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion: 78 Resp: 414406



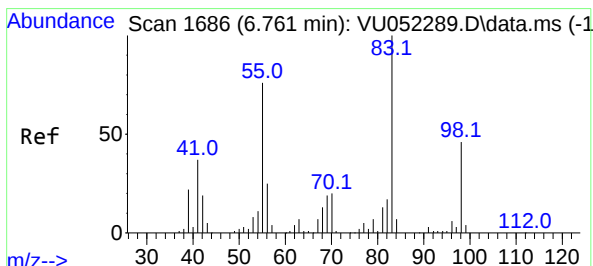
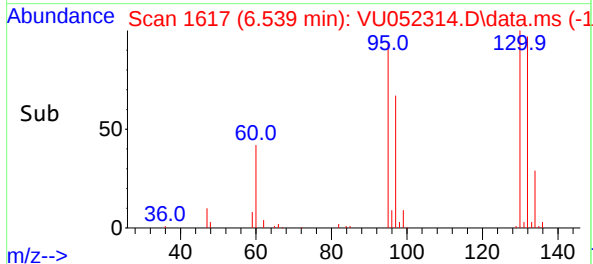
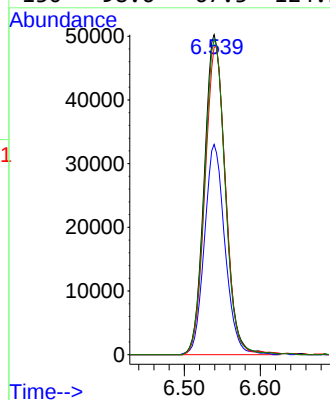
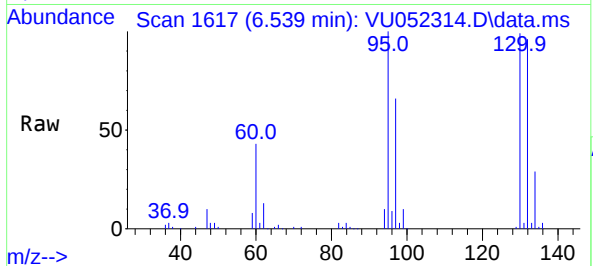


#34
Trichloroethene
Concen: 4.616 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Instrument :
MSVOA_U
ClientSampleId :
EXZA2MSD

Tgt Ion: 95 Resp: 96442

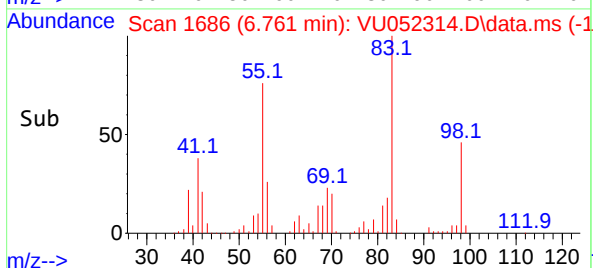
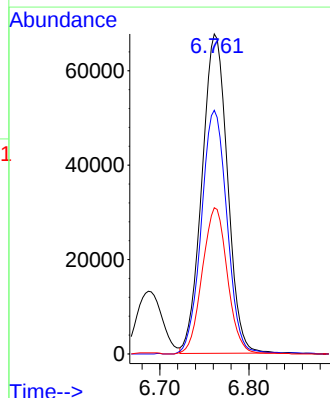
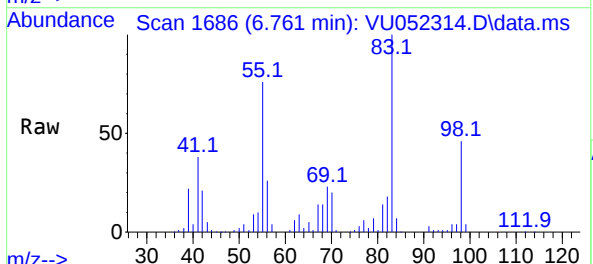
Ion	Ratio	Lower	Upper
95	100		
97	65.7	43.7	81.1
132	96.1	64.3	119.3
130	98.6	67.3	124.9

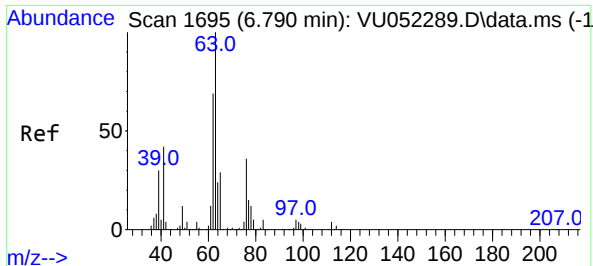


#35
Methylcyclohexane
Concen: 4.479 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion: 83 Resp: 134612

Ion	Ratio	Lower	Upper
83	100		
55	76.8	60.8	91.2
98	45.3	35.1	52.7

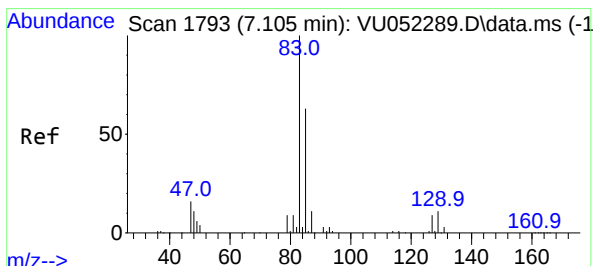
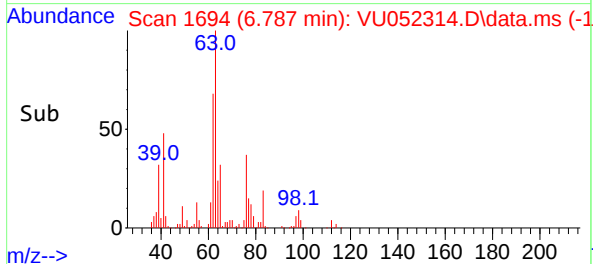
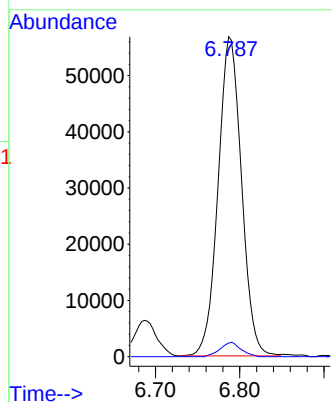
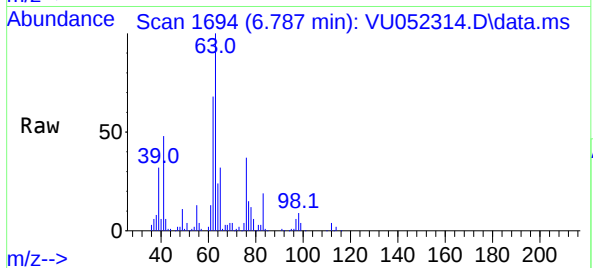




#37
1,2-Dichloropropane
Concen: 5.038 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

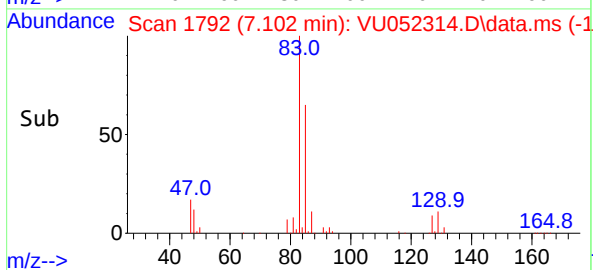
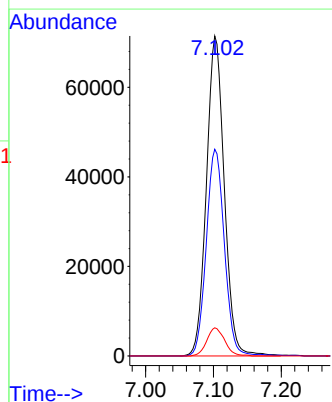
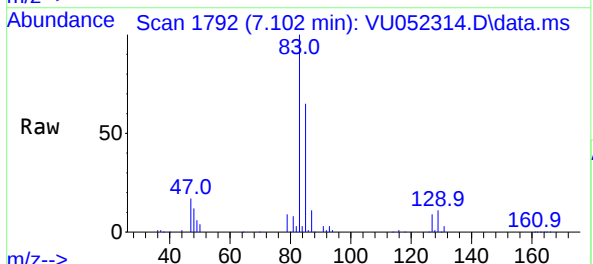
Instrument :
MSVOA_U
ClientSampleId :
EXZA2MSD

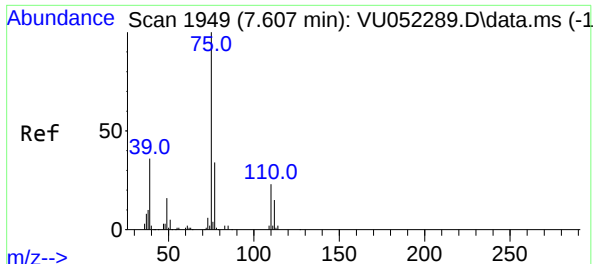
Tgt Ion: 63 Resp: 109257
Ion Ratio Lower Upper
63 100
112 4.0 3.3 4.9



#38
Bromodichloromethane
Concen: 4.953 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion: 83 Resp: 130980
Ion Ratio Lower Upper
83 100
85 64.6 43.5 80.9
127 8.8 6.8 10.2

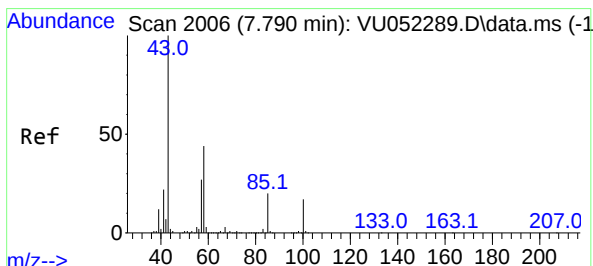
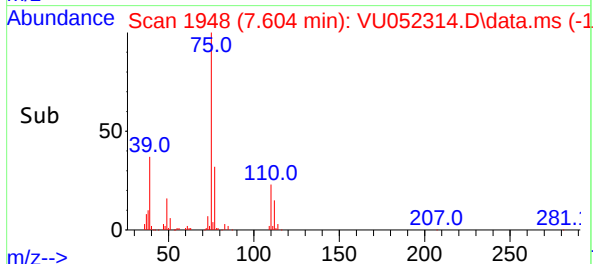
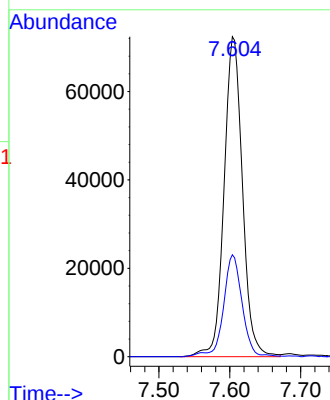
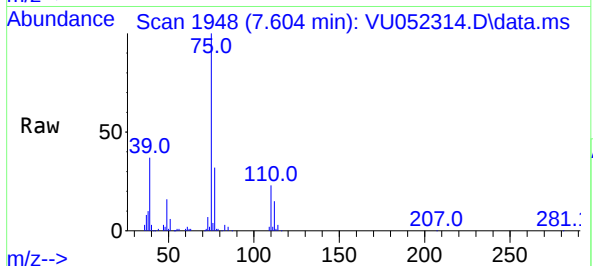




#39
cis-1,3-Dichloropropene
Concen: 4.696 ug/L
RT: 7.604 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

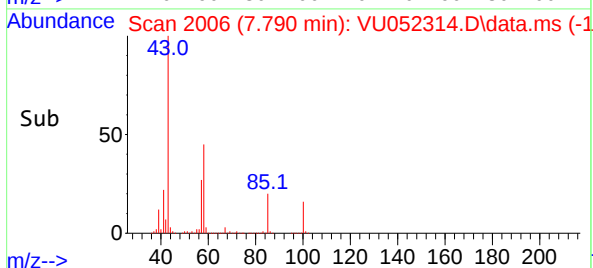
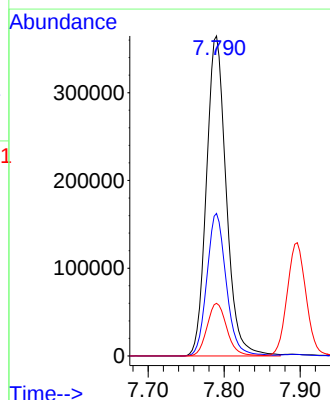
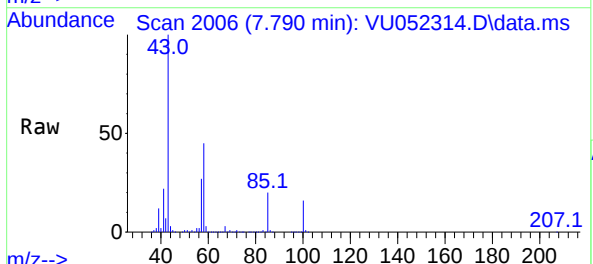
Instrument :
MSVOA_U
ClientSampleId :
EXZA2MSD

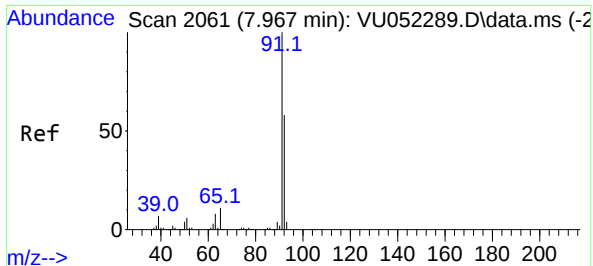
Tgt Ion: 75 Resp: 130756
Ion Ratio Lower Upper
75 100
77 31.9 22.0 40.8



#40
4-Methyl-2-pentanone
Concen: 58.244 ug/L
RT: 7.790 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion: 43 Resp: 659844
Ion Ratio Lower Upper
43 100
58 43.8 35.3 52.9
100 16.5 13.6 20.4





#42

Toluene

Concen: 5.066 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052314.D

Acq: 09 Dec 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

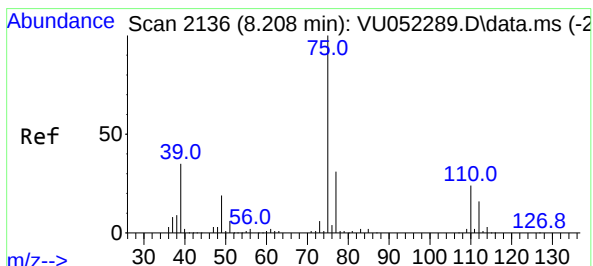
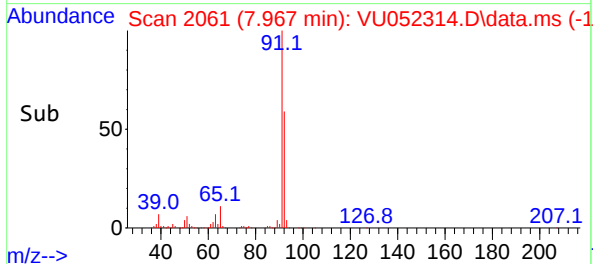
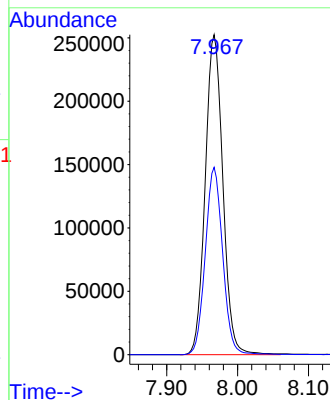
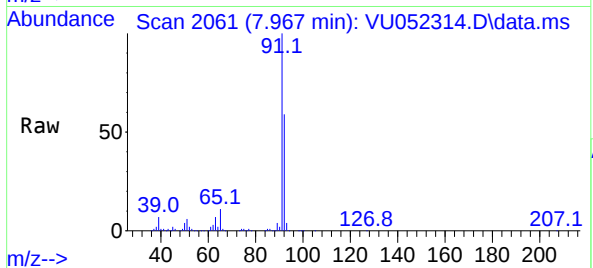
EXZA2MSD

Tgt Ion: 91 Resp: 436476

Ion Ratio Lower Upper

91 100

92 58.6 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.948 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052314.D

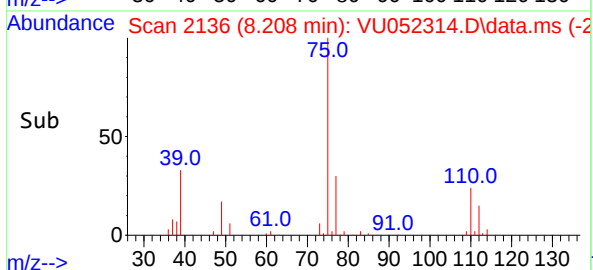
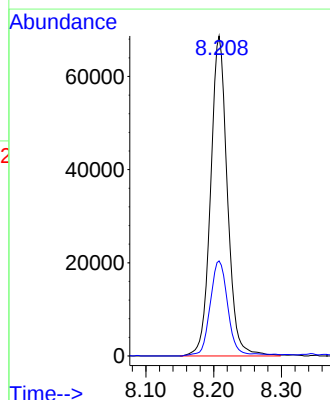
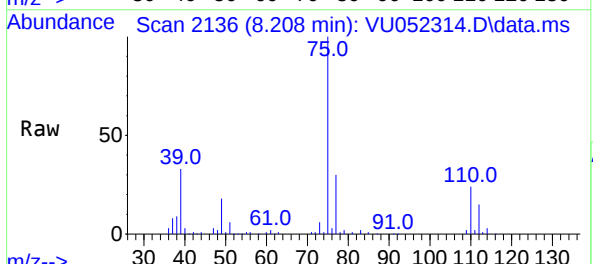
Acq: 09 Dec 2022 20:10

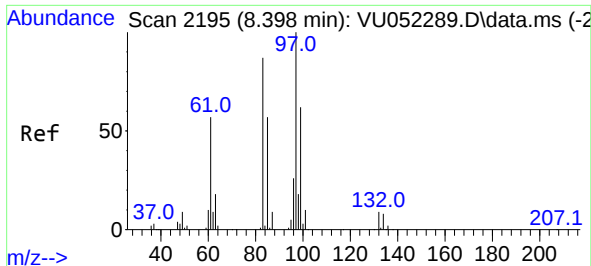
Tgt Ion: 75 Resp: 117986

Ion Ratio Lower Upper

75 100

77 29.7 22.6 42.0



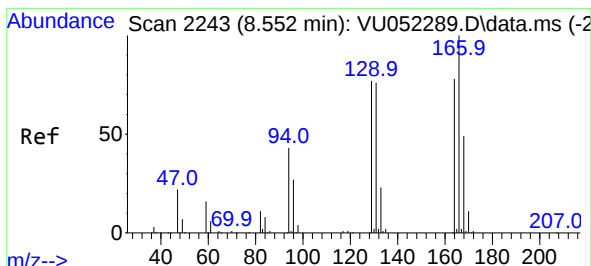
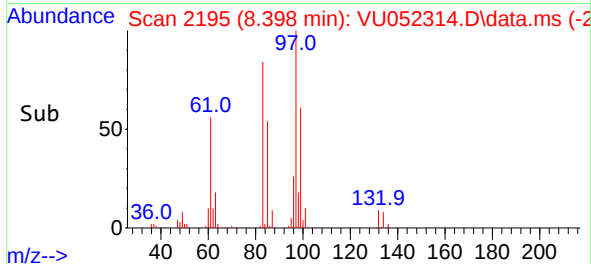
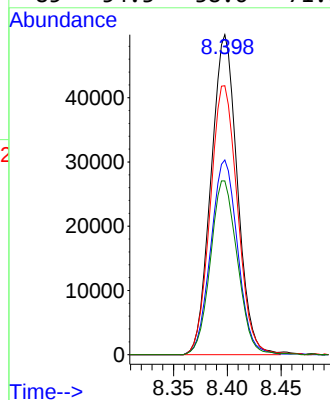
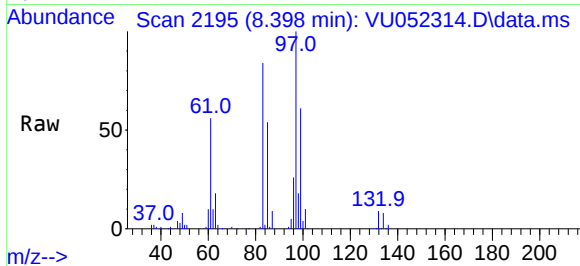


#45
1,1,2-Trichloroethane
Concen: 5.199 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Instrument :
MSVOA_U
ClientSampleId :
EXZA2MSD

Tgt Ion: 97 Resp: 84742

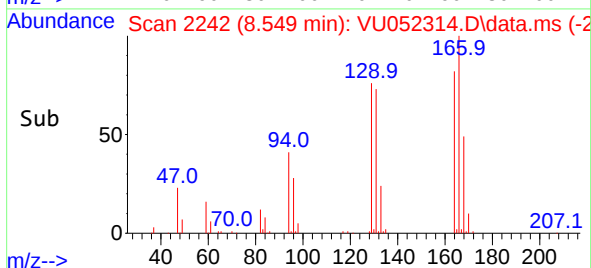
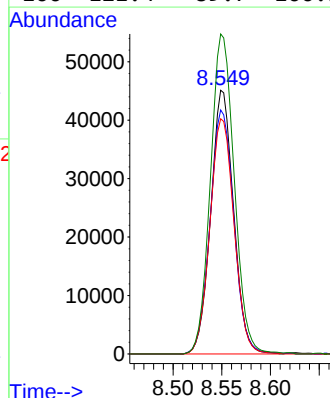
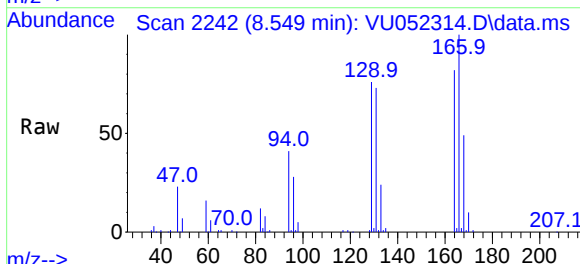
Ion	Ratio	Lower	Upper
97	100		
99	60.8	42.6	79.2
83	84.1	60.7	112.7
85	54.3	38.6	71.6

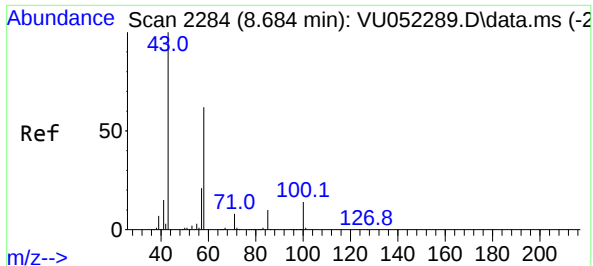


#47
Tetrachloroethene
Concen: 4.597 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion: 164 Resp: 73613

Ion	Ratio	Lower	Upper
164	100		
129	92.6	67.4	125.2
131	89.2	67.1	124.7
166	121.4	89.7	166.5





#48

2-Hexanone

Concen: 59.602 ug/L

RT: 8.681 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU052314.D

Acq: 09 Dec 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

EXZA2MSD

Tgt Ion: 43 Resp: 495019

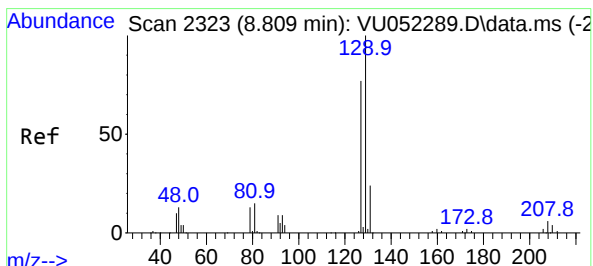
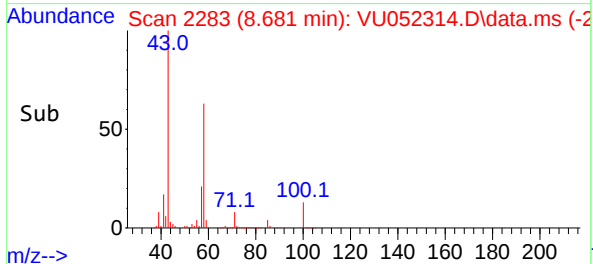
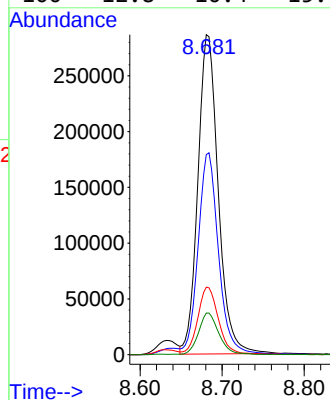
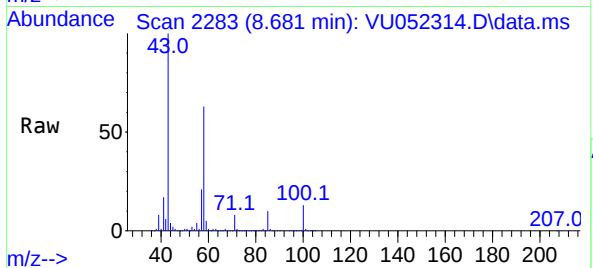
Ion	Ratio	Lower	Upper
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43	100		
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58	63.5	49.4	74.0
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57	21.3	16.3	24.5
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100	12.8	10.4	15.6
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#49

Dibromochloromethane

Concen: 5.110 ug/L

RT: 8.806 min Scan# 2322

Delta R.T. 0.000 min

Lab File: VU052314.D

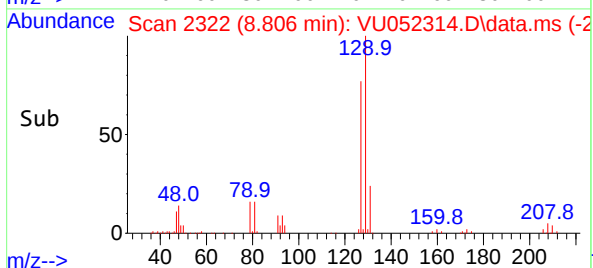
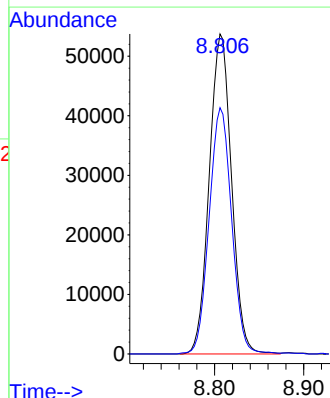
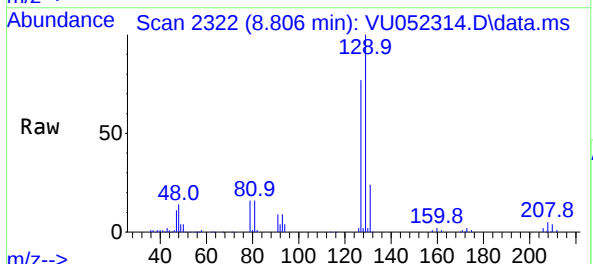
Acq: 09 Dec 2022 20:10

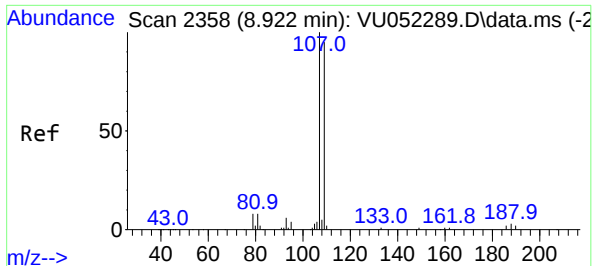
Tgt Ion:129 Resp: 93274

Ion	Ratio	Lower	Upper
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129	100		
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127	77.0	52.8	98.2
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#50

1,2-Dibromoethane

Concen: 5.204 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052314.D

Acq: 09 Dec 2022 20:10

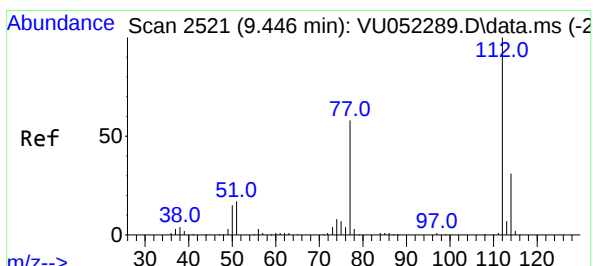
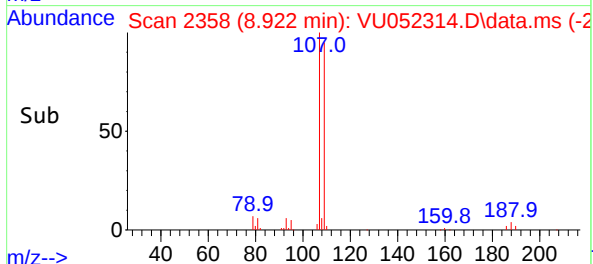
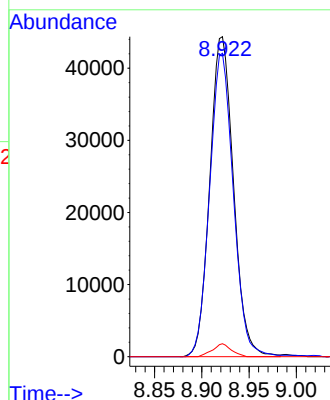
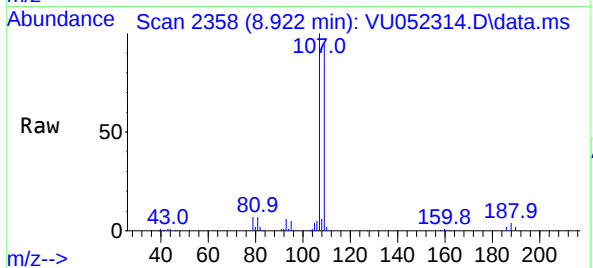
Instrument :

MSVOA_U

ClientSampleId :

EXZA2MSD

Tgt Ion:	107	Resp:	77256
Ion	Ratio	Lower	Upper
107	100		
109	94.8	64.9	120.5
188	4.1	2.6	4.0#



#51

Chlorobenzene

Concen: 4.907 ug/L

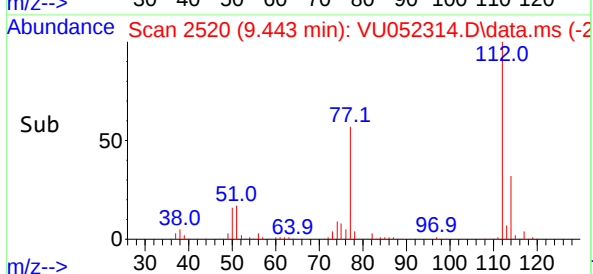
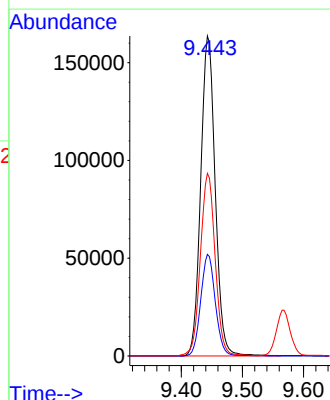
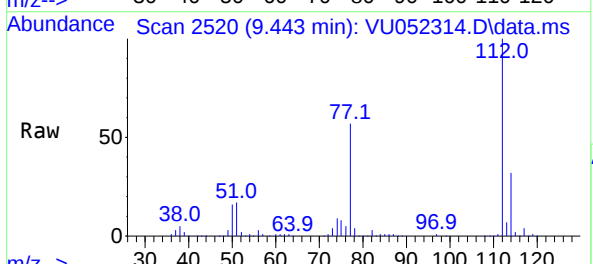
RT: 9.443 min Scan# 2520

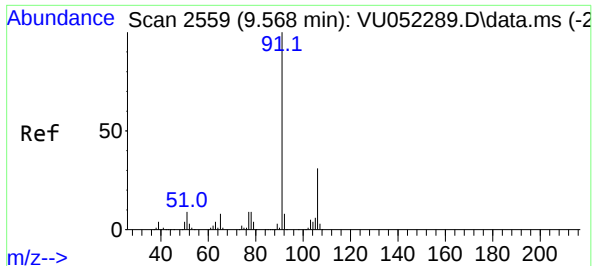
Delta R.T. -0.003 min

Lab File: VU052314.D

Acq: 09 Dec 2022 20:10

Tgt Ion:	112	Resp:	269540
Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.2	41.2
77	57.1	46.6	70.0

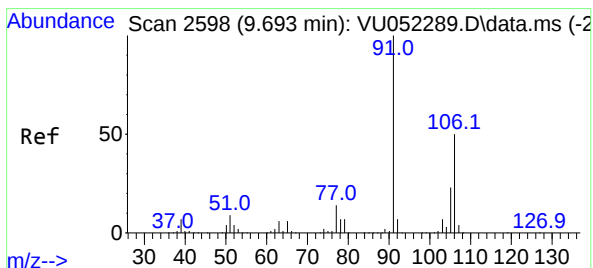
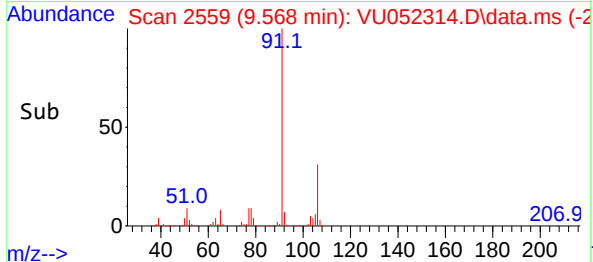
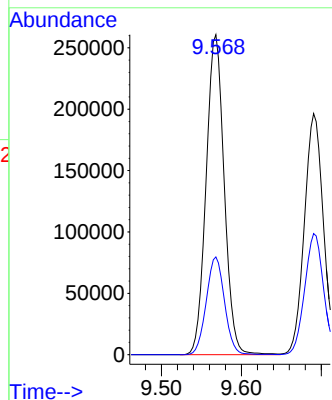
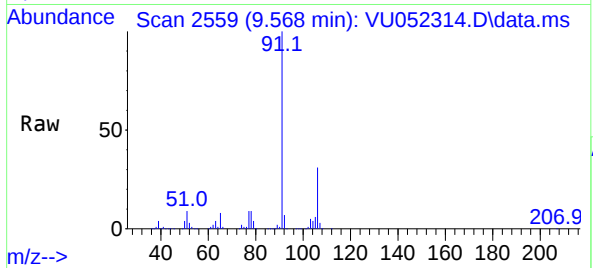




#52
Ethylbenzene
Concen: 4.904 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

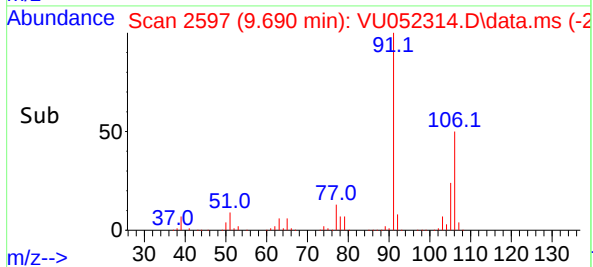
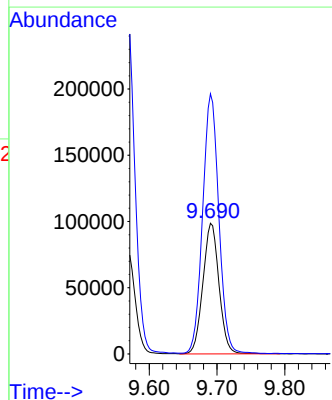
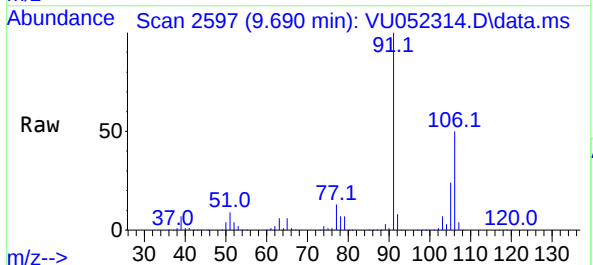
Instrument :
MSVOA_U
ClientSampleId :
EXZA2MSD

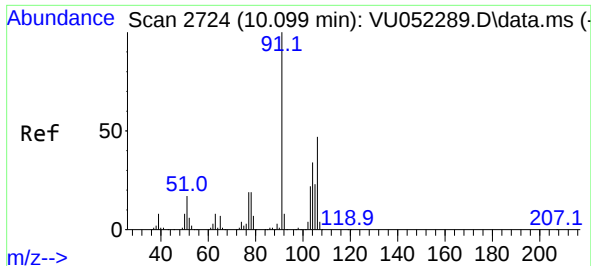
Tgt Ion: 91 Resp: 410799
Ion Ratio Lower Upper
91 100
106 30.6 22.3 41.3



#53
m,p-Xylene
Concen: 5.002 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion: 106 Resp: 162261
Ion Ratio Lower Upper
106 100
91 198.9 137.7 255.7

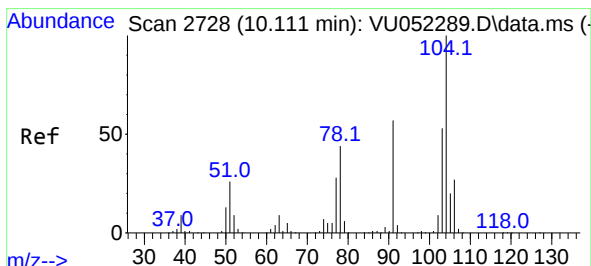
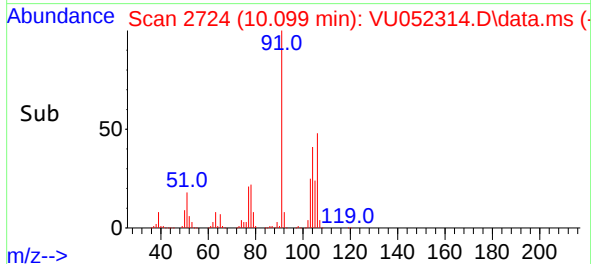
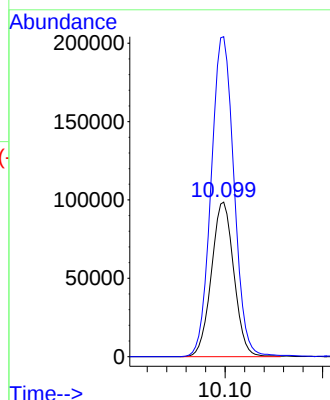
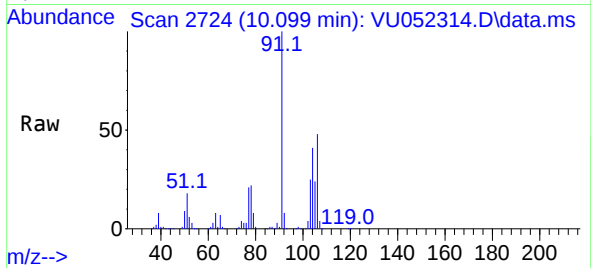




#54
o-Xylene
Concen: 5.088 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

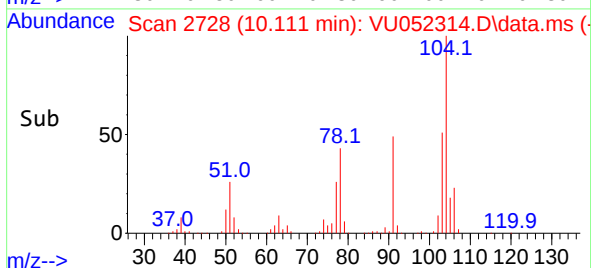
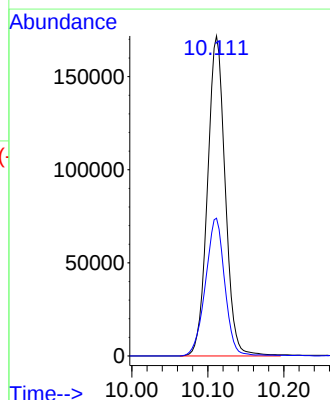
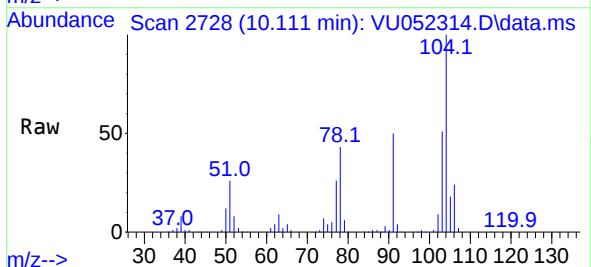
Instrument :
MSVOA_U
ClientSampleId :
EXZA2MSD

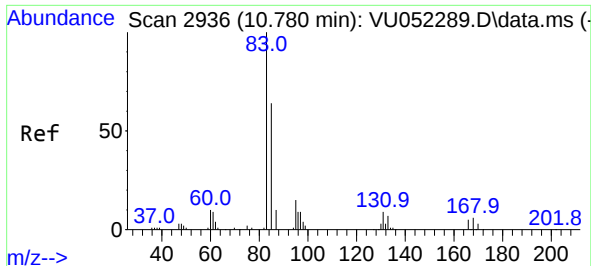
Tgt Ion:106 Resp: 158164
Ion Ratio Lower Upper
106 100
91 206.9 151.5 281.5



#55
Styrene
Concen: 5.293 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion:104 Resp: 277931
Ion Ratio Lower Upper
104 100
78 43.0 30.6 56.8





#57

1,1,2-Tetrachloroethane

Concen: 5.525 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.003 min

Lab File: VU052314.D

Acq: 09 Dec 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

EXZA2MSD

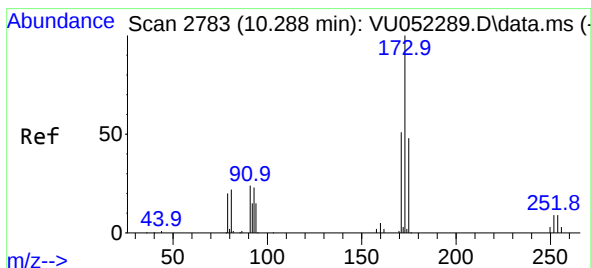
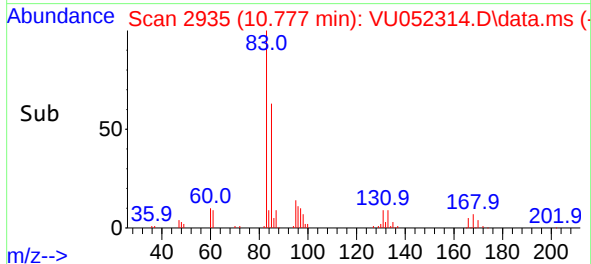
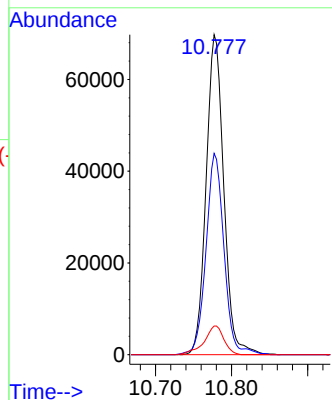
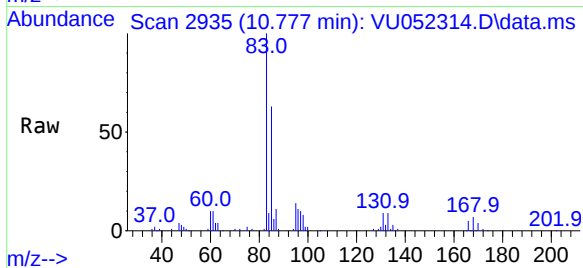
Tgt Ion: 83 Resp: 112459

Ion Ratio Lower Upper

83 100

85 62.9 45.7 84.9

131 8.9 7.6 11.4



#59

Bromoform

Concen: 4.745 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.003 min

Lab File: VU052314.D

Acq: 09 Dec 2022 20:10

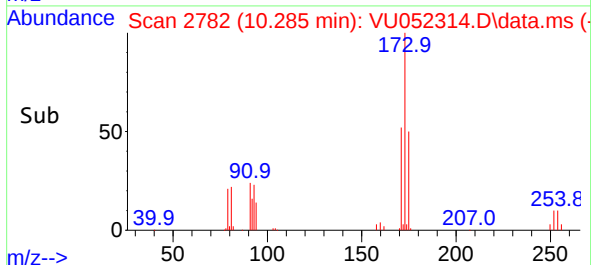
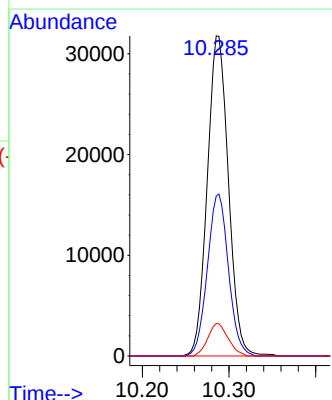
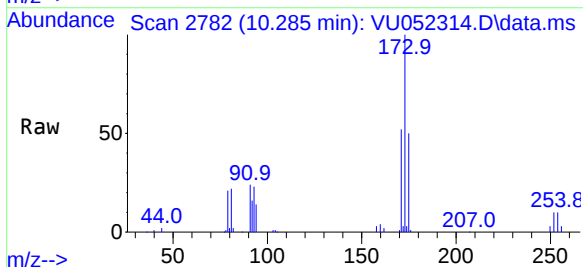
Tgt Ion:173 Resp: 53923

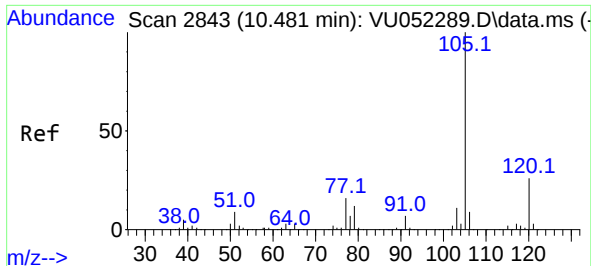
Ion Ratio Lower Upper

173 100

175 50.2 37.2 55.8

254 9.7 7.0 10.6

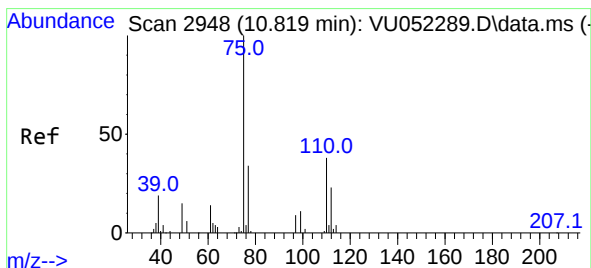
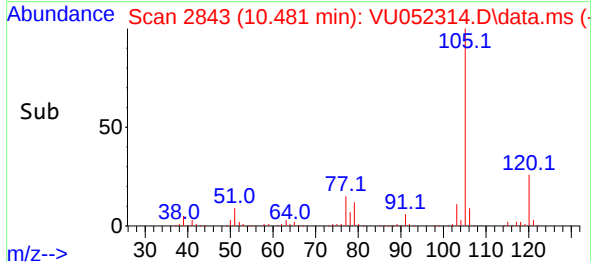
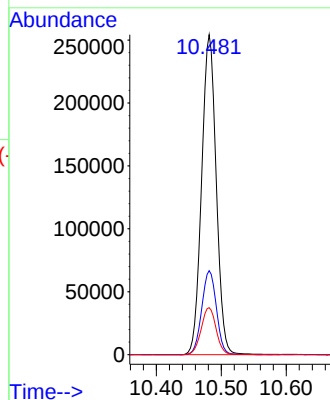
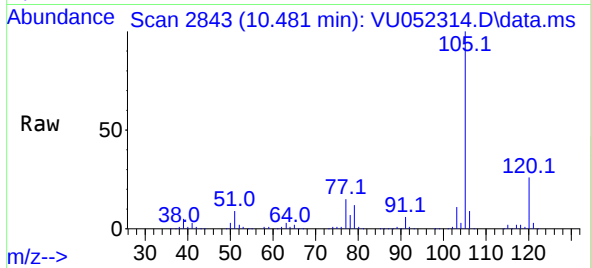




#60
Isopropylbenzene
Concen: 4.593 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

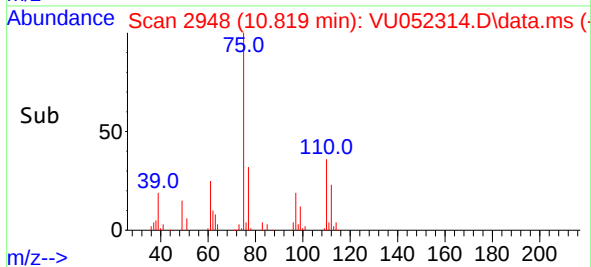
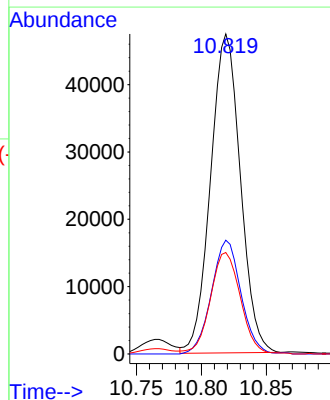
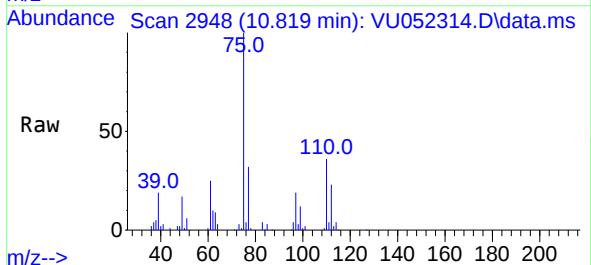
Instrument :
MSVOA_U
ClientSampleId :
EXZA2MSD

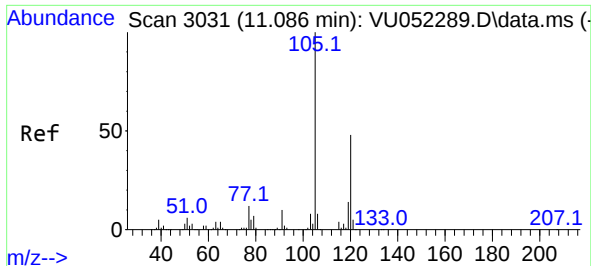
Tgt Ion:105 Resp: 398012
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.6
77 15.2 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 4.787 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion: 75 Resp: 75580
Ion Ratio Lower Upper
75 100
110 35.2 28.3 42.5
77 32.1 26.2 39.2

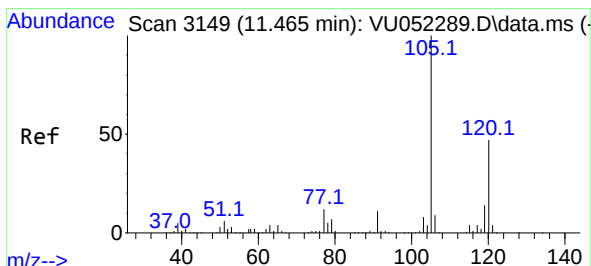
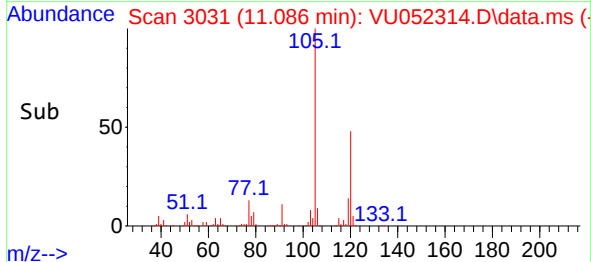
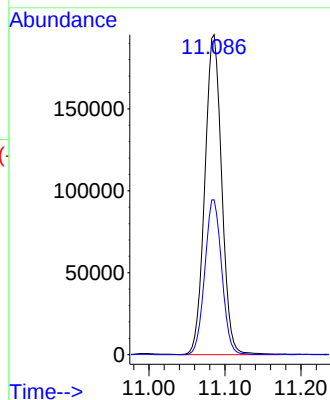
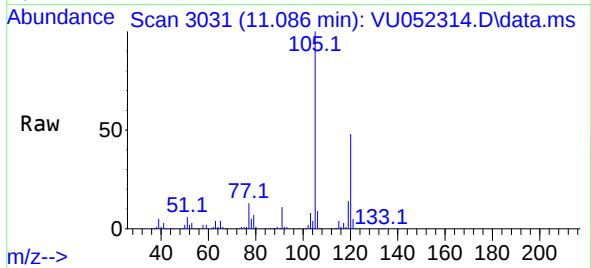




#62
1,3,5-Trimethylbenzene
Concen: 4.360 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

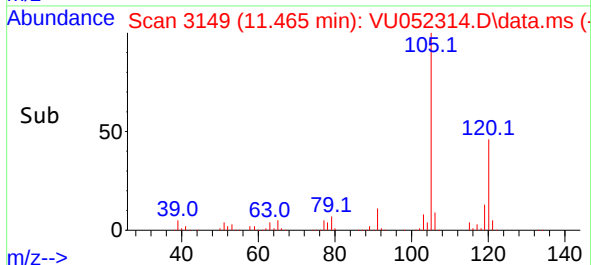
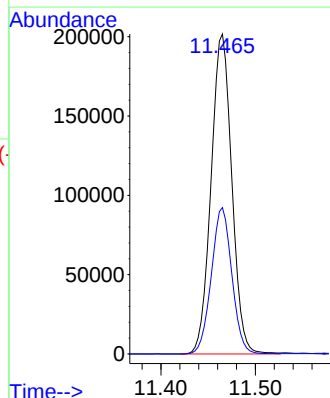
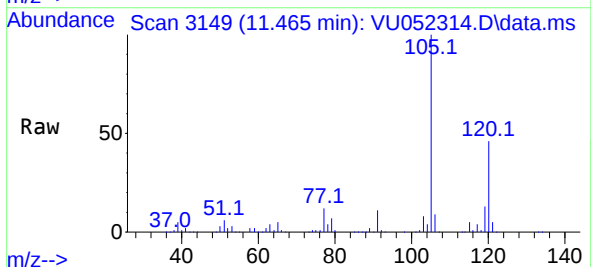
Instrument :
MSVOA_U
ClientSampleId :
EXZA2MSD

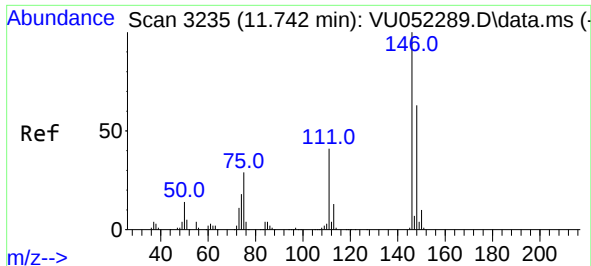
Tgt Ion:105 Resp: 302030
Ion Ratio Lower Upper
105 100
120 48.4 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 4.466 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion:105 Resp: 307114
Ion Ratio Lower Upper
105 100
120 45.2 36.6 55.0

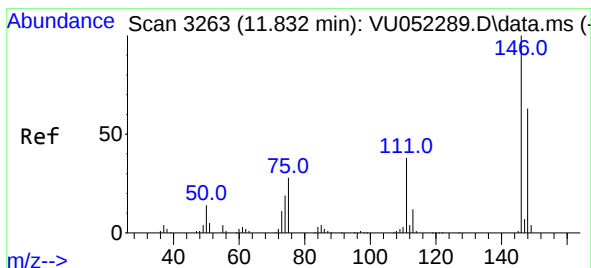
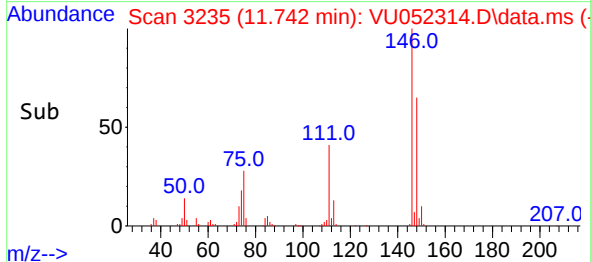
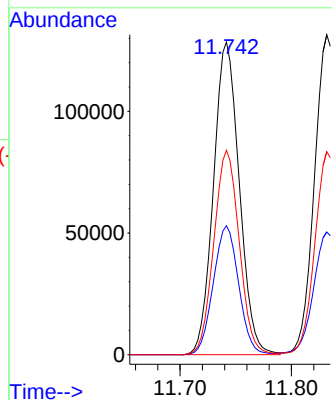
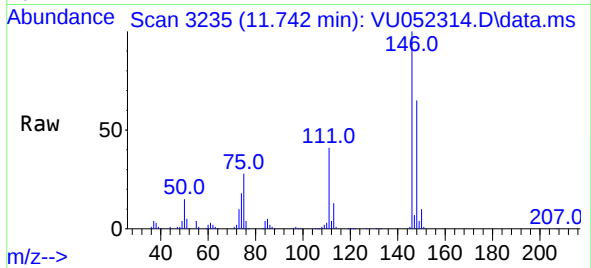




#64
1,3-Dichlorobenzene
Concen: 4.672 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

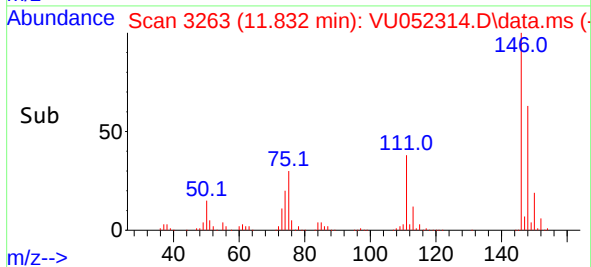
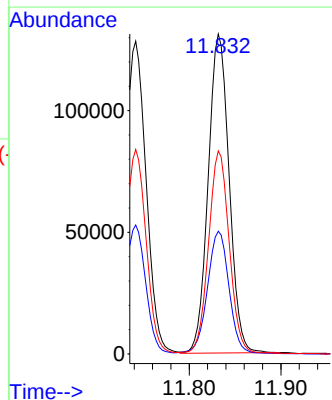
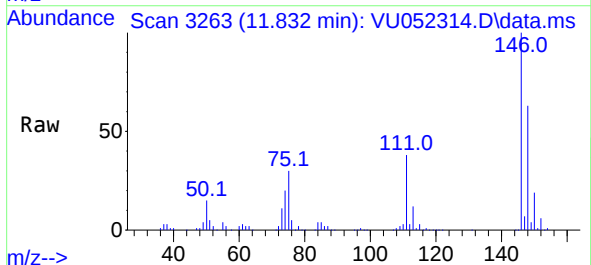
Instrument :
MSVOA_U
ClientSampleId :
EXZA2MSD

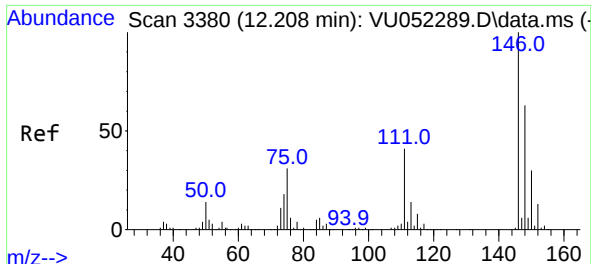
Tgt Ion:146 Resp: 206725
Ion Ratio Lower Upper
146 100
111 41.2 28.6 53.2
148 65.4 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 4.712 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion:146 Resp: 207945
Ion Ratio Lower Upper
146 100
111 38.4 26.9 50.1
148 63.4 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 4.680 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052314.D

Acq: 09 Dec 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

EXZA2MSD

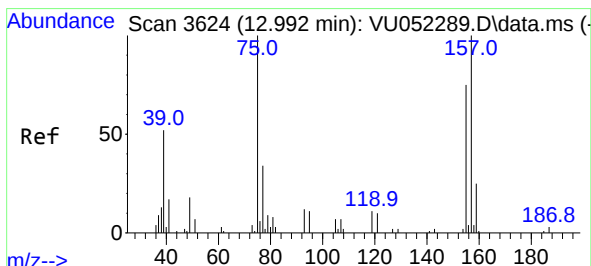
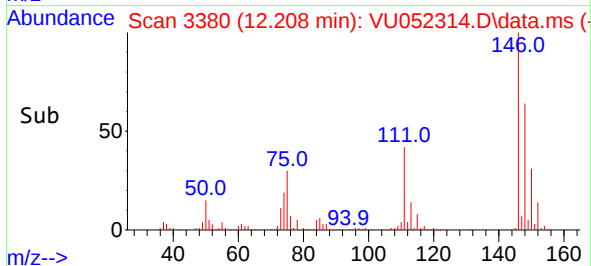
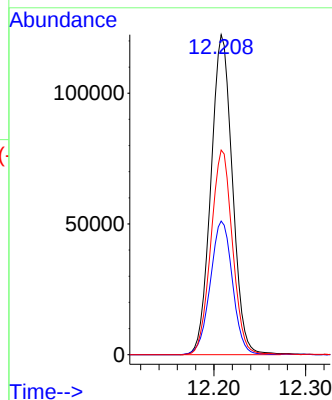
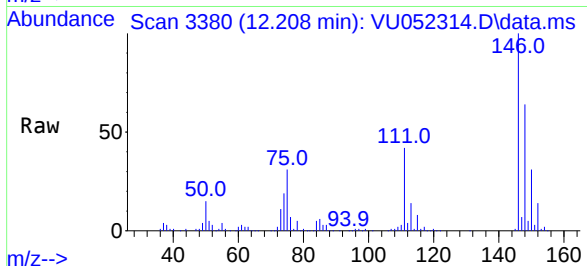
Tgt Ion:146 Resp: 199425

Ion Ratio Lower Upper

146 100

111 41.8 32.7 49.1

148 64.0 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.687 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU052314.D

Acq: 09 Dec 2022 20:10

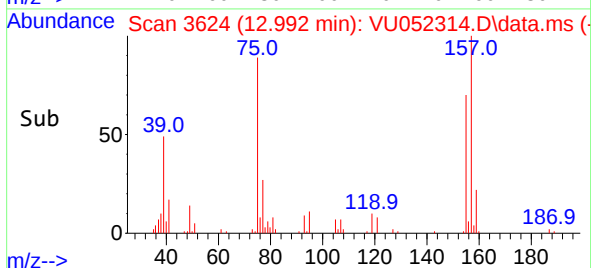
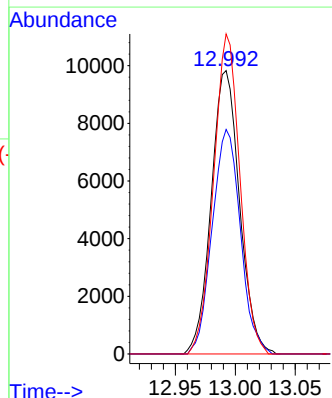
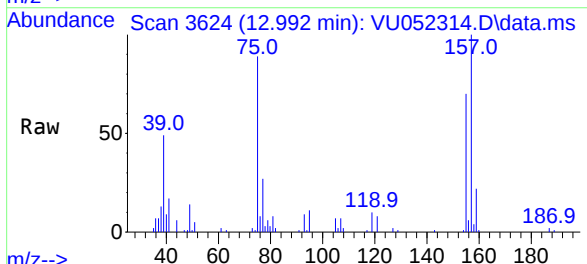
Tgt Ion: 75 Resp: 16196

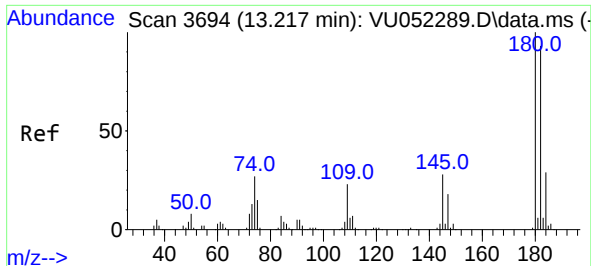
Ion Ratio Lower Upper

75 100

155 79.2 65.4 98.2

157 112.9 80.5 120.7





#69

1,3,5-Trichlorobenzene

Concen: 4.588 ug/L

RT: 13.214 min Scan# 3694

Delta R.T. 0.000 min

Lab File: VU052314.D

Acq: 09 Dec 2022 20:10

Instrument :

MSVOA_U

ClientSampleId :

EXZA2MSD

Tgt Ion:180 Resp: 143973

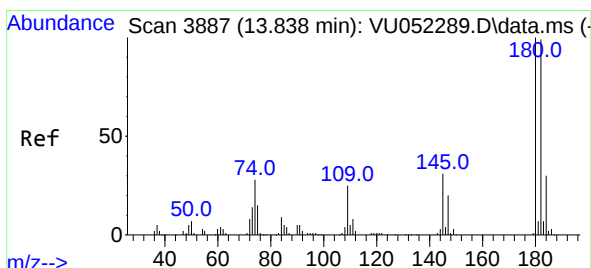
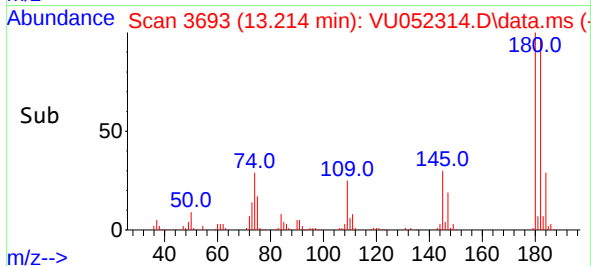
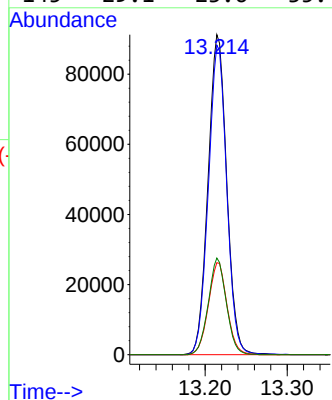
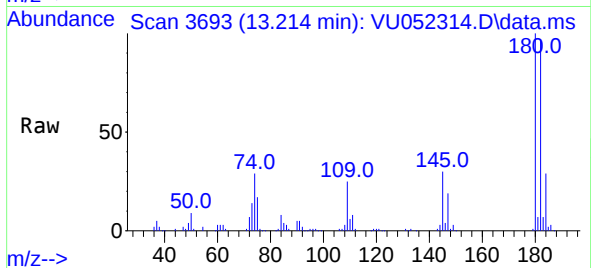
Ion Ratio Lower Upper

180 100

182 95.0 75.7 113.5

184 28.8 24.3 36.5

145 29.1 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 4.893 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.003 min

Lab File: VU052314.D

Acq: 09 Dec 2022 20:10

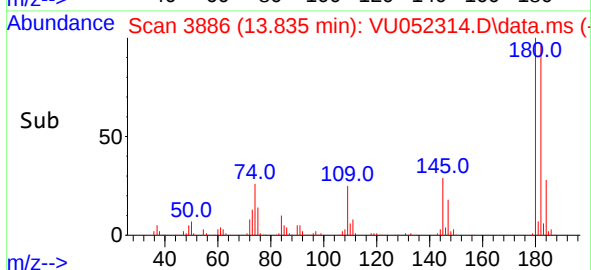
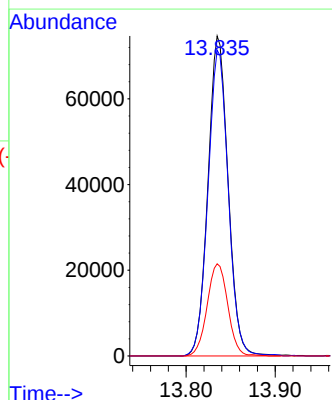
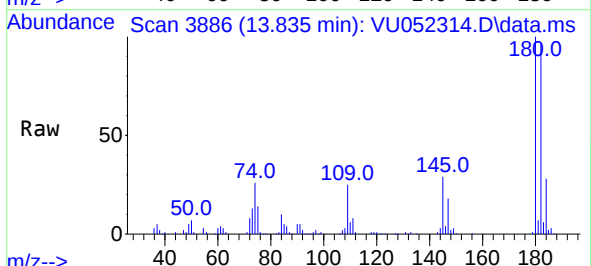
Tgt Ion:180 Resp: 116905

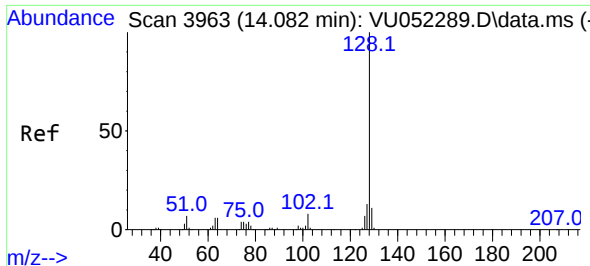
Ion Ratio Lower Upper

180 100

182 96.2 76.3 114.5

145 29.6 24.6 36.8



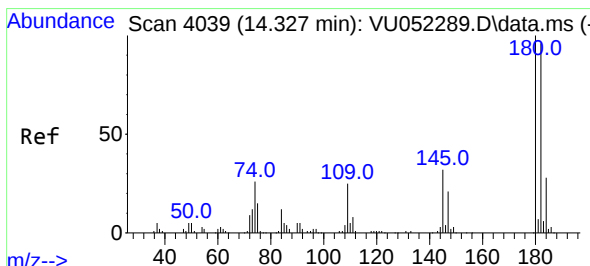
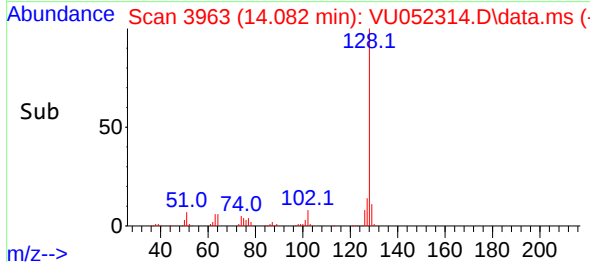
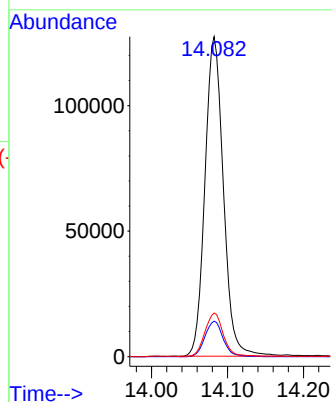
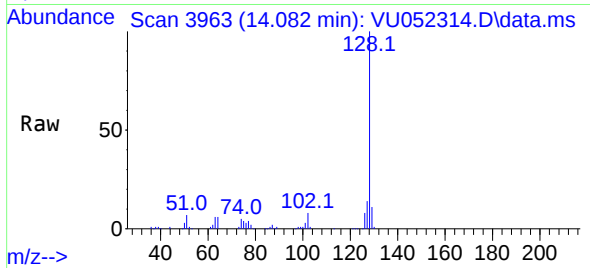


#71
Naphthalene
Concen: 4.783 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Instrument :
MSVOA_U
ClientSampleId :
EXZA2MSD

Tgt Ion:128 Resp: 214564

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.3	12.5
127	13.9	10.2	15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.058 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU052314.D
Acq: 09 Dec 2022 20:10

Tgt Ion:180 Resp: 118898

Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.7	113.5
145	31.4	24.5	36.7

