

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112023\
 Data File : VU056529.D
 Acq On : 20 Nov 2023 16:02
 Operator : MD/SY
 Sample : 05455-10MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E05N3MSD

Quant Time: Nov 21 00:42:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 21 00:36:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	267035	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	257333	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	137766	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	115594	5.787	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.800%
7) Chloroethane-d5	1.907	69	79260	5.176	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.600%
11) 1,1-Dichloroethene-d2	2.563	65	50401	5.718	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.400%
20) 2-Butanone-d5	4.618	46	220002	55.239	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.480%
24) Chloroform-d	5.058	84	213524	5.527	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.600%
26) 1,2-Dichloroethane-d4	5.695	65	100942	5.654	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.000%
32) Benzene-d6	5.721	84	409266	5.338	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.800%
36) 1,2-Dichloropropane-d6	6.682	67	127095	5.500	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.000%
41) Toluene-d8	7.891	98	393408	5.811	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.200%
43) trans-1,3-Dichloroprop...	8.174	79	52395	5.912	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	118.200%
46) 2-Hexanone-d5	8.627	63	199320	57.232	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.460%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	90535	5.483	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	135986	5.343	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	103672	4.900	ug/L	96
3) Chloromethane	1.515	50	103633	4.793	ug/L	100
5) Vinyl chloride	1.602	62	101681	4.881	ug/L	98
6) Bromomethane	1.853	94	45638	4.328	ug/L	99
8) Chloroethane	1.930	64	56801	4.464	ug/L	99
9) Trichlorofluoromethane	2.136	101	163076	5.432	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	95784	5.374	ug/L	99
12) 1,1-Dichloroethene	2.576	96	82856	5.069	ug/L	96
13) Acetone	2.628	43	111892	32.986	ug/L	95
14) Carbon disulfide	2.788	76	235337	4.424	ug/L	99
15) Methyl Acetate	2.946	43	29455	4.879	ug/L	100
16) Methylene chloride	3.039	84	96862	4.478	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	211613	5.328	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	86361	5.135	ug/L	98
19) 1,1-Dichloroethane	3.862	63	177498	5.328	ug/L	99
21) 2-Butanone	4.698	43	192879	43.820	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	101279	5.310	ug/L	97
23) Bromochloromethane	4.972	128	43599	5.553	ug/L	97
25) Chloroform	5.081	83	293050	8.119	ug/L	95

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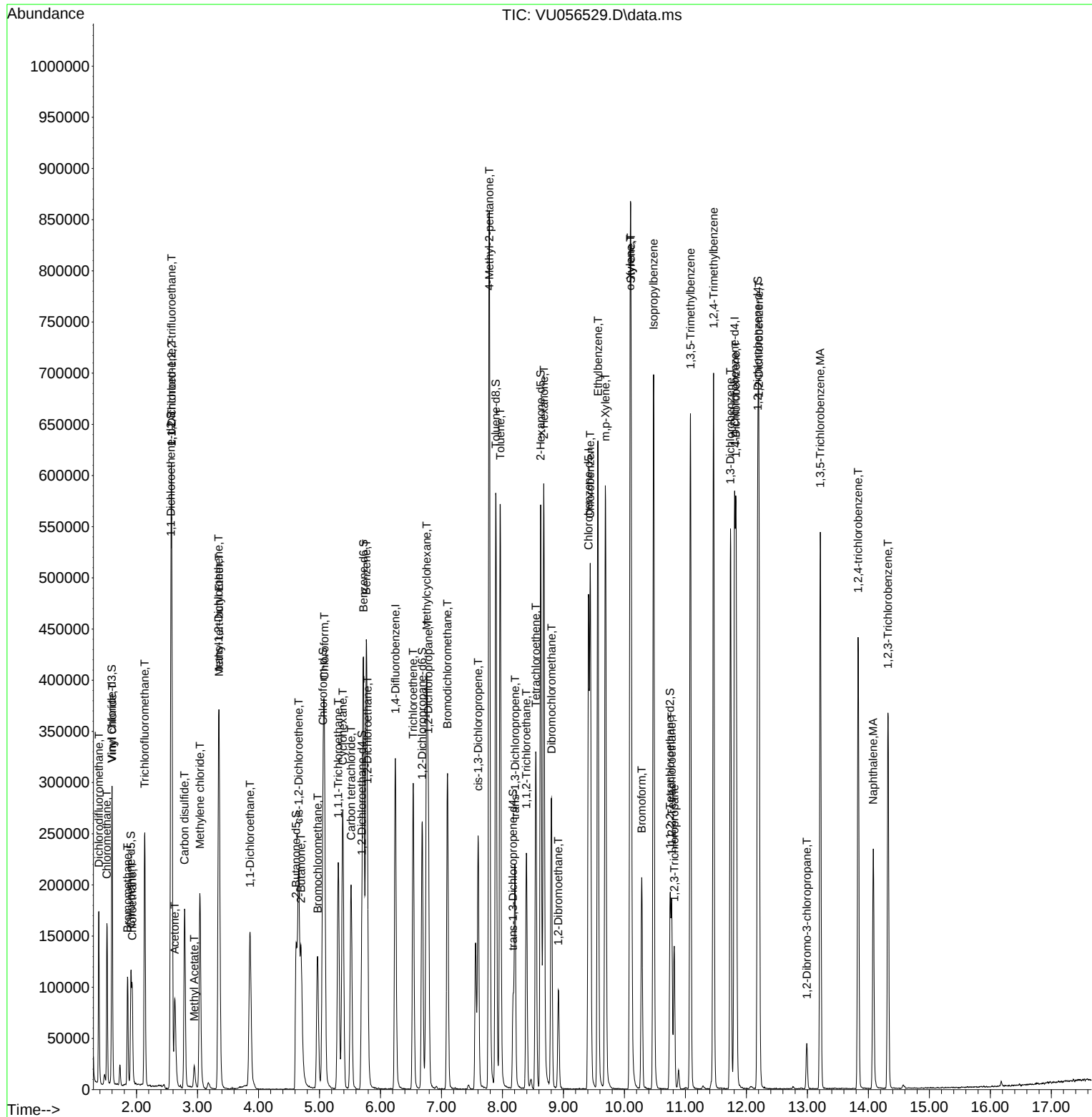
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	112527	5.491	ug/L	95
29) 1,1,1-Trichloroethane	5.309	97	163547	5.537	ug/L	99
30) Cyclohexane	5.383	56	134751	4.806	ug/L	98
31) Carbon tetrachloride	5.518	117	139788	5.510	ug/L	98
33) Benzene	5.769	78	386401	5.263	ug/L	100
34) Trichloroethene	6.537	95	107374	5.367	ug/L	95
35) Methylcyclohexane	6.759	83	148860	5.154	ug/L	99
37) 1,2-Dichloropropane	6.785	63	104807	5.473	ug/L	100
38) Bromodichloromethane	7.100	83	206669	8.361	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	154142	5.478	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	534615	56.324	ug/L	99
42) Toluene	7.965	91	427228	5.620	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	128585	5.733	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	71544	5.610	ug/L	97
47) Tetrachloroethene	8.547	164	70924	5.257	ug/L	99
48) 2-Hexanone	8.679	43	358348	48.461	ug/L	99
49) Dibromochloromethane	8.804	129	148168	10.217	ug/L	98
50) 1,2-Dibromoethane	8.917	107	64785	5.381	ug/L	98
51) Chlorobenzene	9.441	112	261450	5.353	ug/L	99
52) Ethylbenzene	9.566	91	453232	5.369	ug/L	100
53) m,p-Xylene	9.688	106	172132	5.547	ug/L	99
54) o-Xylene	10.097	106	165341	5.485	ug/L	99
55) Styrene	10.110	104	265044	5.286	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	87946	5.648	ug/L	96
59) Bromoform	10.283	173	93812	10.932	ug/L	98
60) Isopropylbenzene	10.479	105	454700	5.118	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	57893	4.898	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	365872	5.015	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	386091	5.362	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	215717	5.338	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	212033	5.230	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	204171	5.507	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	12459	4.935	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	161370	5.303	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	128499	5.185	ug/L	99
71) Naphthalene	14.081	128	190310	5.082	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	108155	5.298	ug/L	97

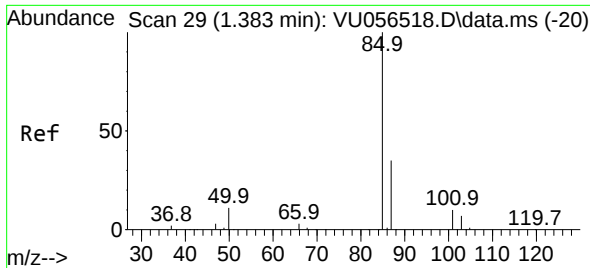
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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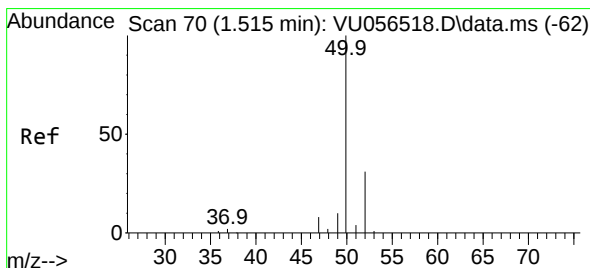
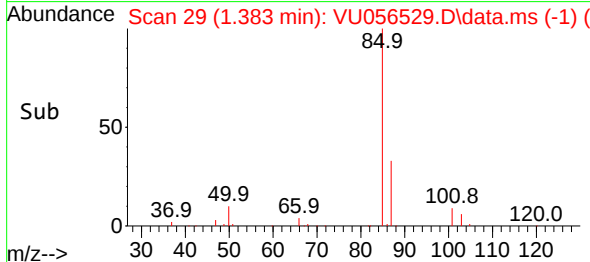
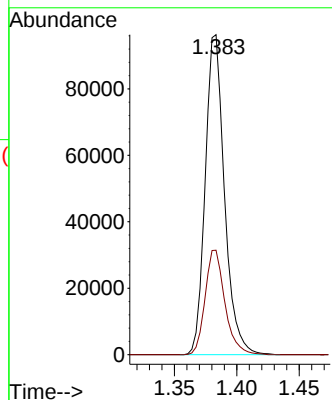
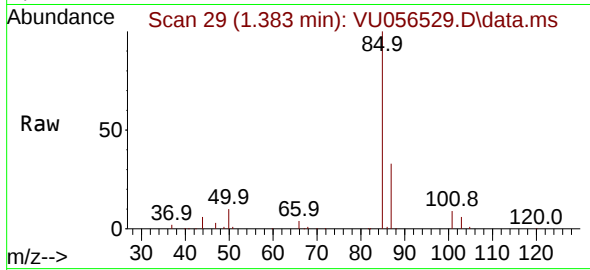




#2
 Dichlorodifluoromethane
 Concen: 4.900 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU056529.D
 Acq: 20 Nov 2023 16:02

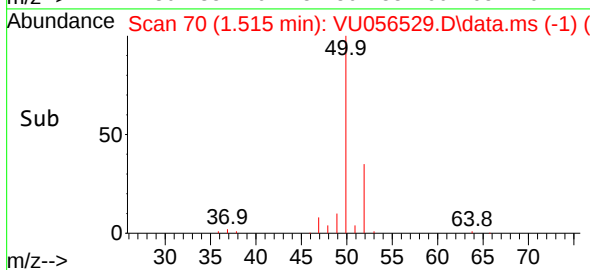
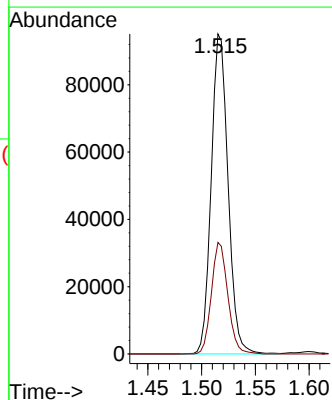
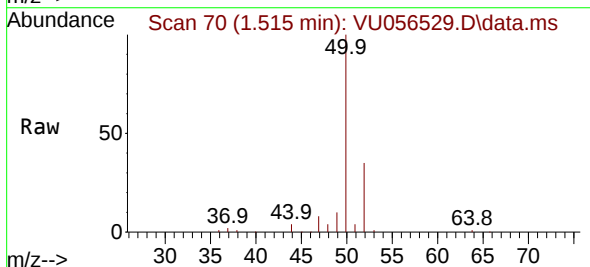
Instrument :
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 ClientSampleId :
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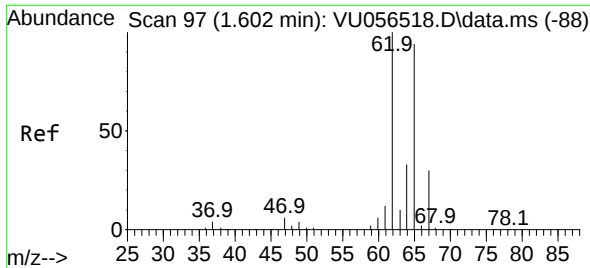
Tgt Ion: 85 Resp: 103672
 Ion Ratio Lower Upper
 85 100
 87 33.6 25.0 37.4



#3
 Chloromethane
 Concen: 4.793 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU056529.D
 Acq: 20 Nov 2023 16:02

Tgt Ion: 50 Resp: 103633
 Ion Ratio Lower Upper
 50 100
 52 34.9 24.3 45.1

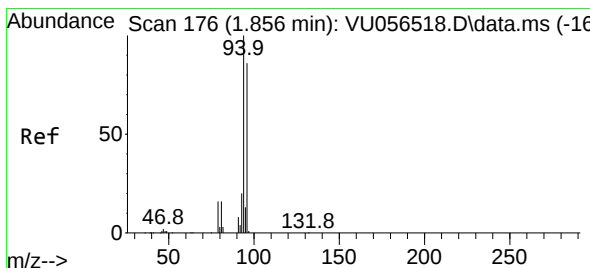
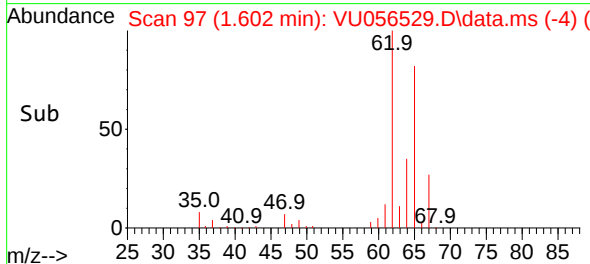
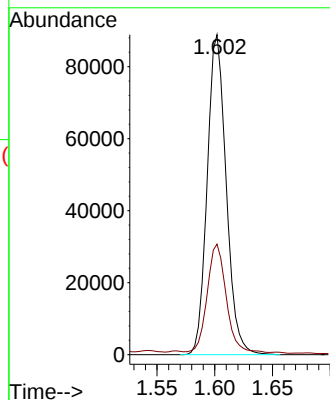
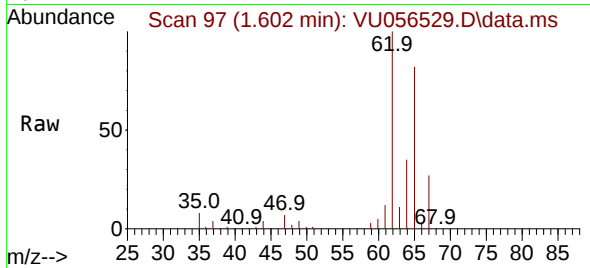




#5
 Vinyl chloride
 Concen: 4.881 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU056529.D
 Acq: 20 Nov 2023 16:02

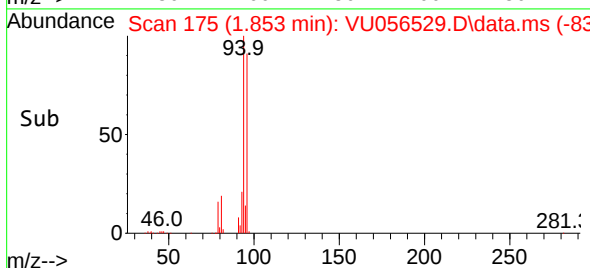
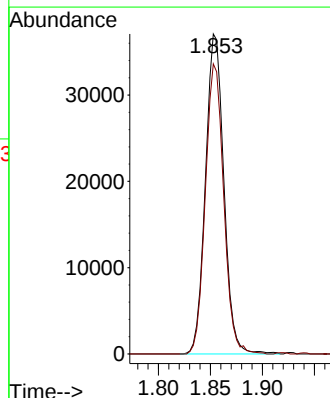
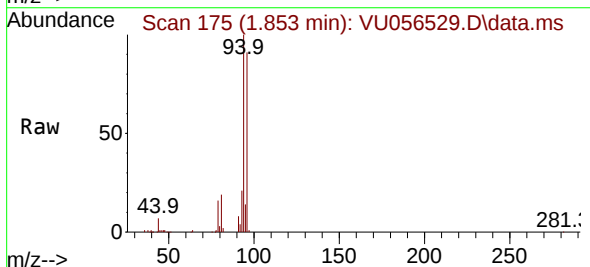
Instrument :
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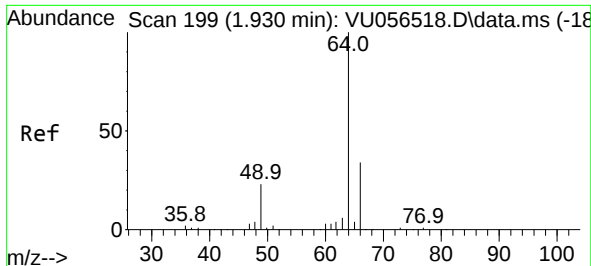
Tgt Ion: 62 Resp: 101681
 Ion Ratio Lower Upper
 62 100
 64 34.5 23.3 43.3



#6
 Bromomethane
 Concen: 4.328 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.003 min
 Lab File: VU056529.D
 Acq: 20 Nov 2023 16:02

Tgt Ion: 94 Resp: 45638
 Ion Ratio Lower Upper
 94 100
 96 90.6 62.6 116.2

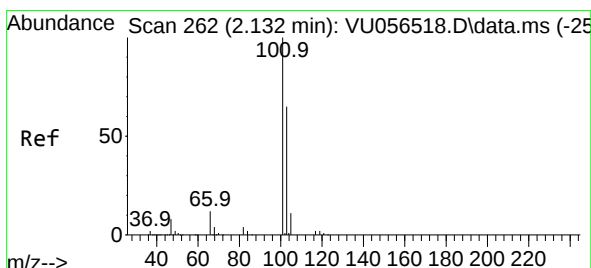
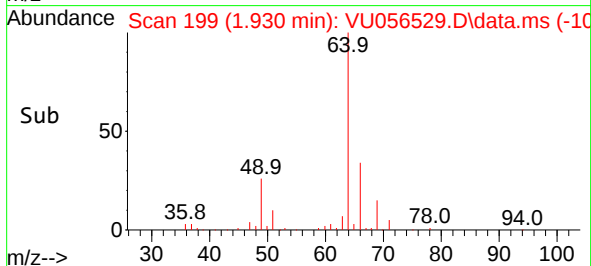
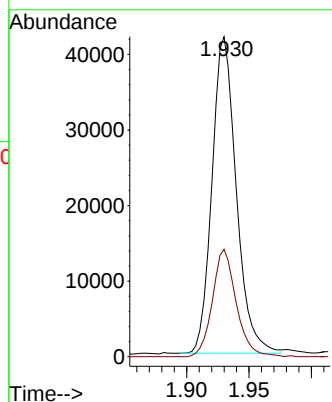
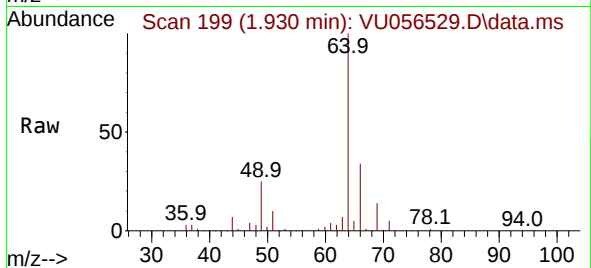




#8
Chloroethane
Concen: 4.464 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

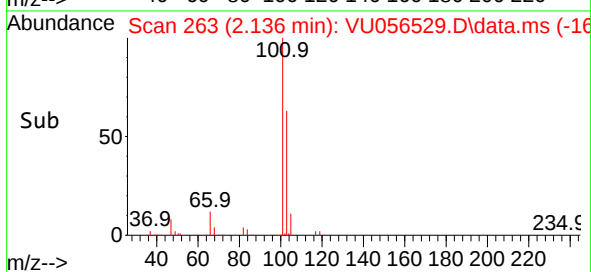
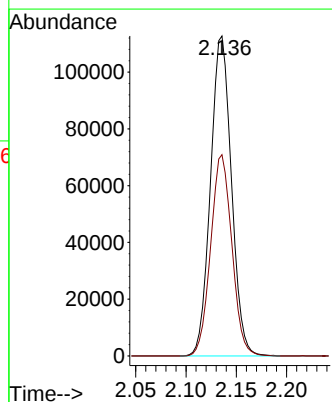
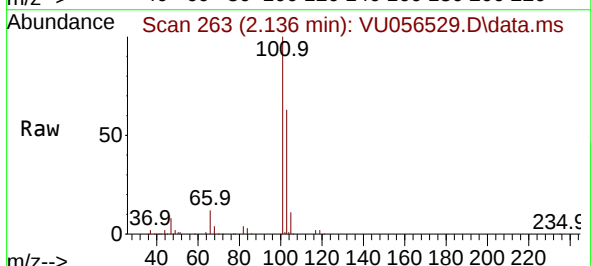
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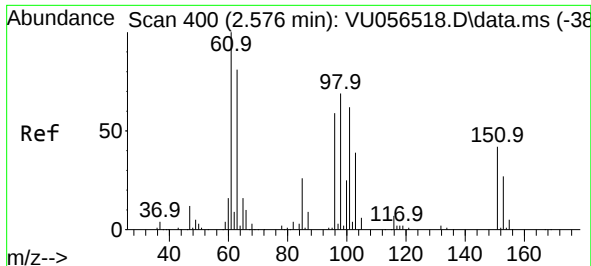
Tgt Ion: 64 Resp: 56801
Ion Ratio Lower Upper
64 100
66 33.5 23.9 44.5



#9
Trichlorofluoromethane
Concen: 5.432 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

Tgt Ion:101 Resp: 163076
Ion Ratio Lower Upper
101 100
103 63.7 52.0 78.0

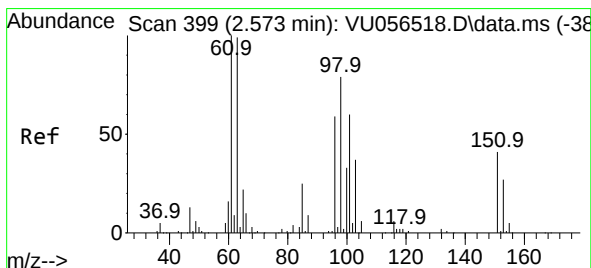
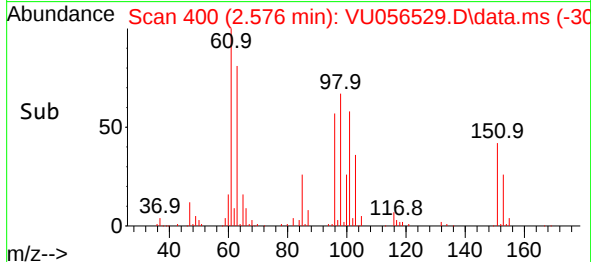
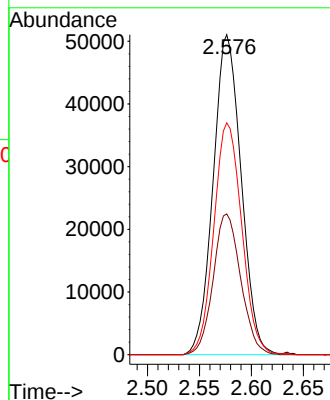
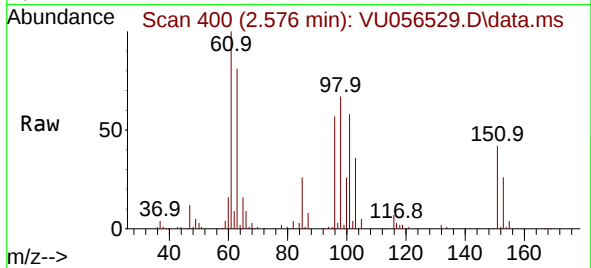




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.374 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056529.D
 Acq: 20 Nov 2023 16:02

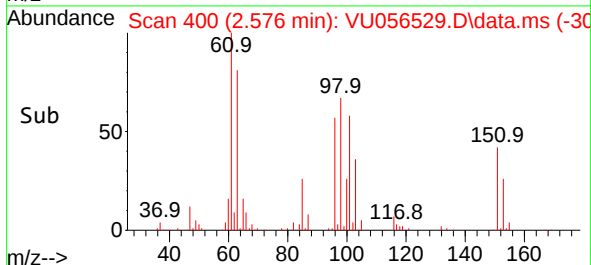
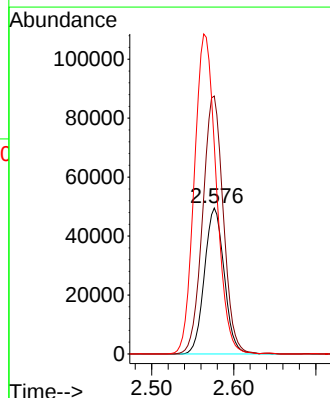
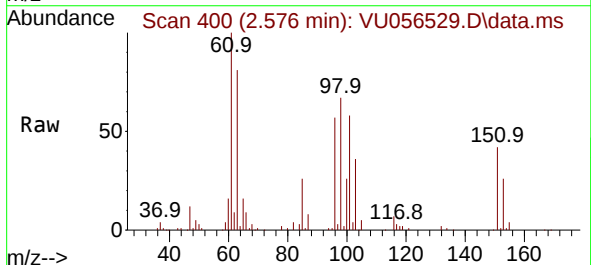
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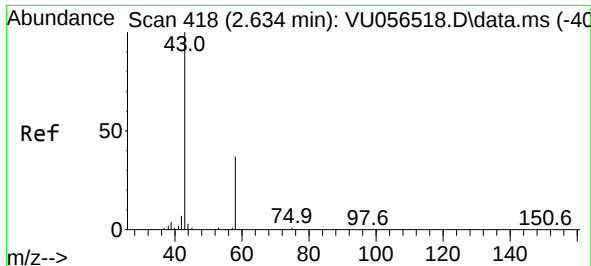
Tgt Ion:101 Resp: 95784
 Ion Ratio Lower Upper
 101 100
 85 43.2 35.4 53.0
 151 72.1 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 5.069 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU056529.D
 Acq: 20 Nov 2023 16:02

Tgt Ion: 96 Resp: 82856
 Ion Ratio Lower Upper
 96 100
 61 176.7 123.1 228.7
 63 143.3 93.3 173.3





#13

Acetone

Concen: 32.986 ug/L

RT: 2.628 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU056529.D

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Instrument :

MSVOA_U

ClientSampleId :

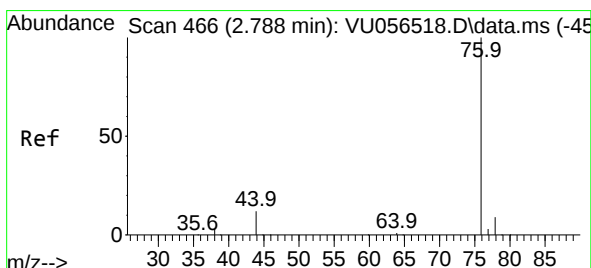
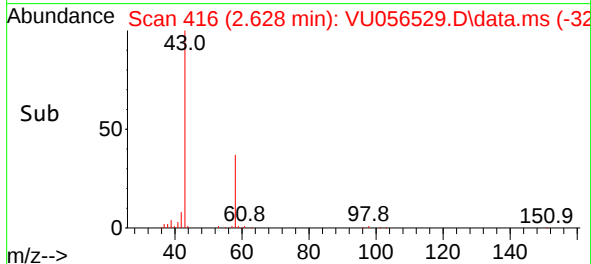
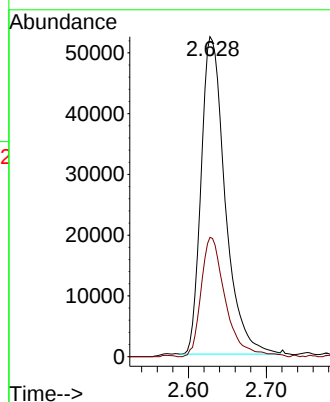
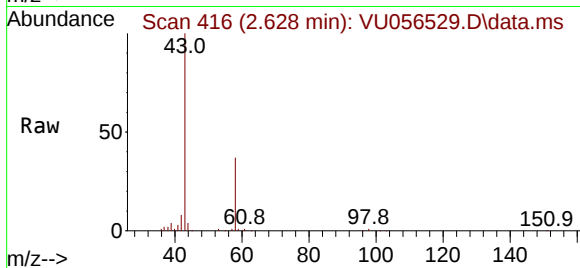
E05N3MSD

Tgt Ion: 43 Resp: 111892

Ion Ratio Lower Upper

43 100

58 38.1 0.0 70.0



#14

Carbon disulfide

Concen: 4.424 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU056529.D

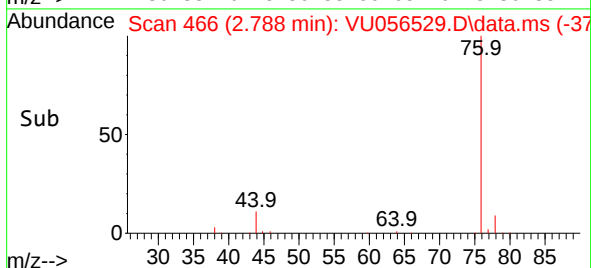
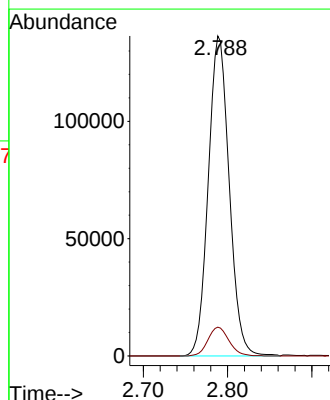
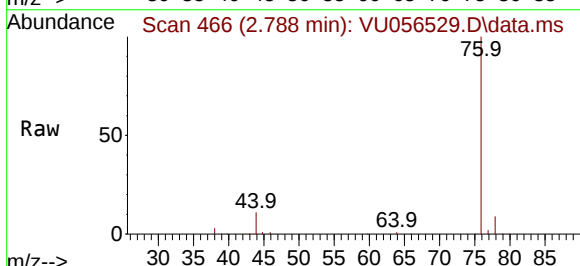
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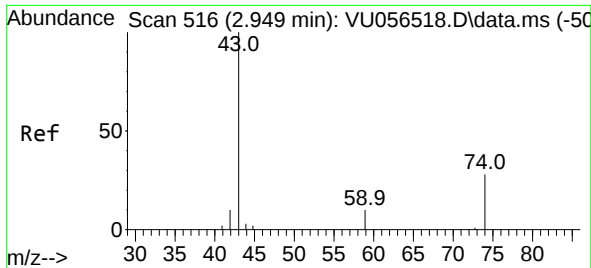
Tgt Ion: 76 Resp: 235337

Ion Ratio Lower Upper

76 100

78 9.0 6.8 10.2

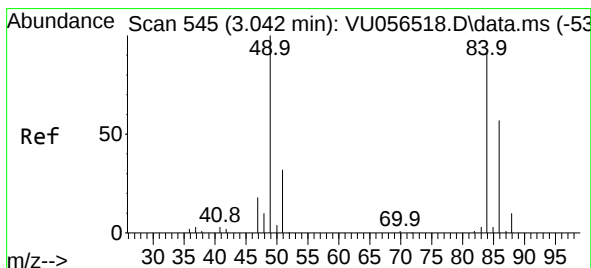
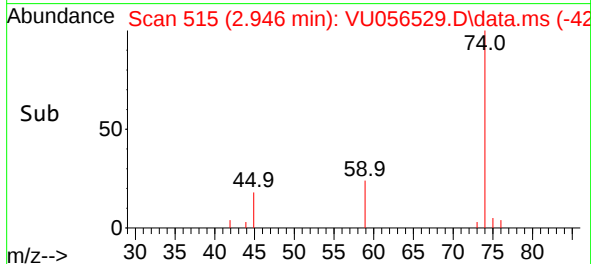
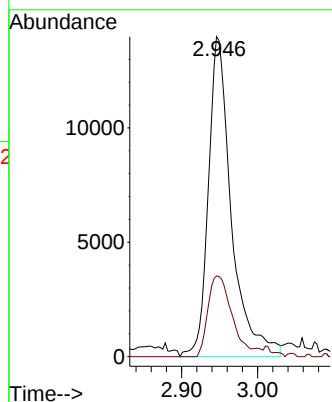
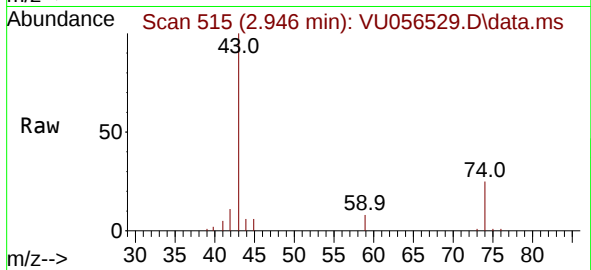




#15
Methyl Acetate
Concen: 4.879 ug/L
RT: 2.946 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

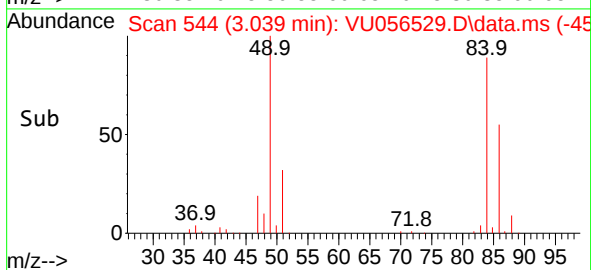
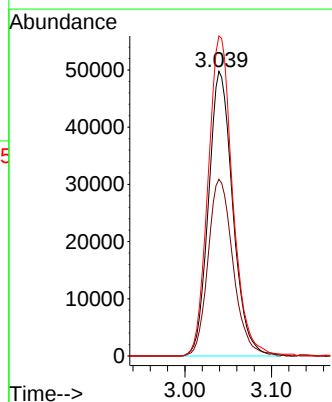
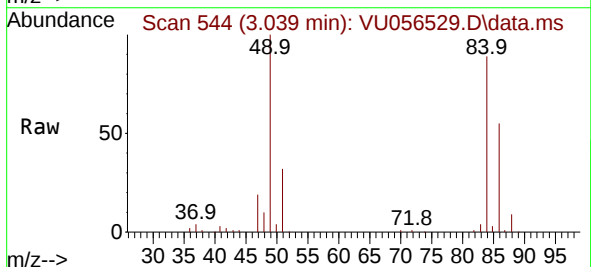
Instrument :
MSVOA_U
ClientSampleId :
E05N3MSD

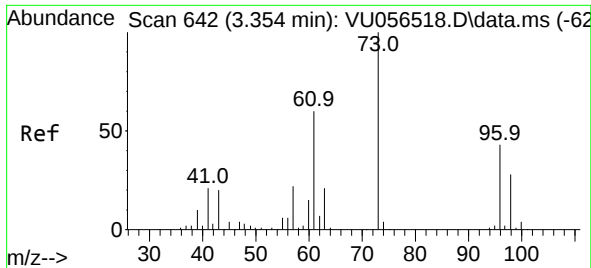
Tgt Ion: 43 Resp: 29455
Ion Ratio Lower Upper
43 100
74 26.0 20.6 31.0



#16
Methylene chloride
Concen: 4.478 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

Tgt Ion: 84 Resp: 96862
Ion Ratio Lower Upper
84 100
86 62.0 44.7 83.1
49 112.4 81.8 152.0

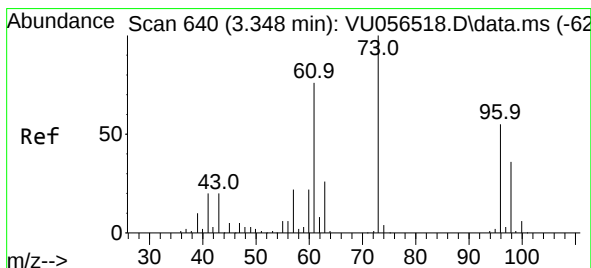
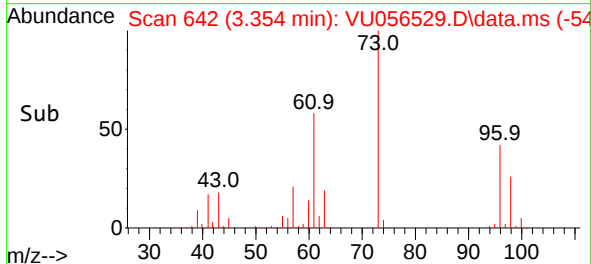
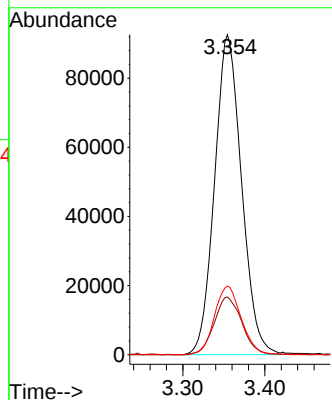
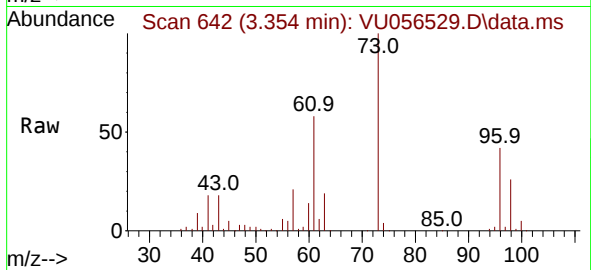




#17
Methyl tert-butyl Ether
Concen: 5.328 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

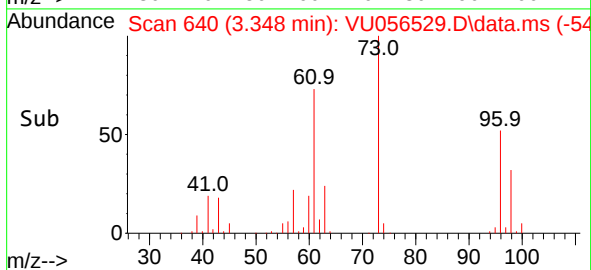
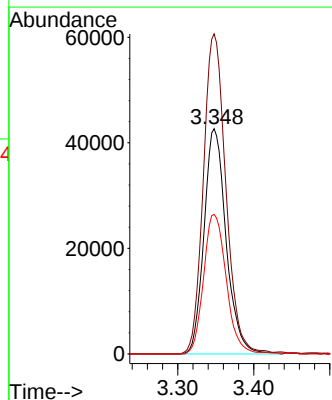
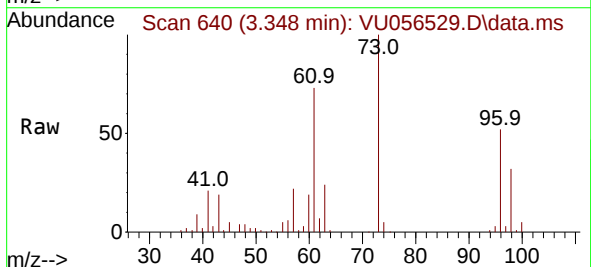
Instrument :
MSVOA_U
ClientSampleId :
E05N3MSD

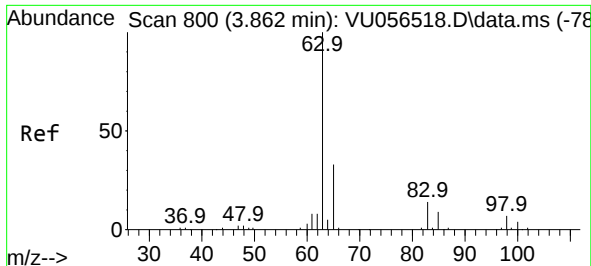
Tgt Ion: 73 Resp: 211613
Ion Ratio Lower Upper
73 100
43 18.5 15.1 22.7
57 21.3 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.135 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

Tgt Ion: 96 Resp: 86361
Ion Ratio Lower Upper
96 100
61 142.1 101.7 188.9
98 61.9 43.0 80.0

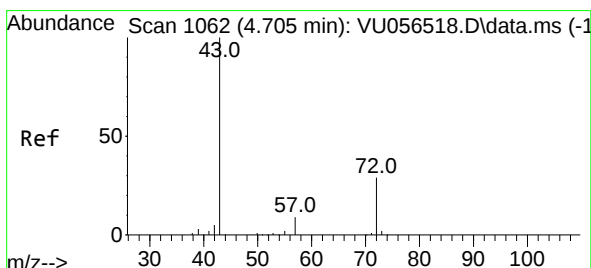
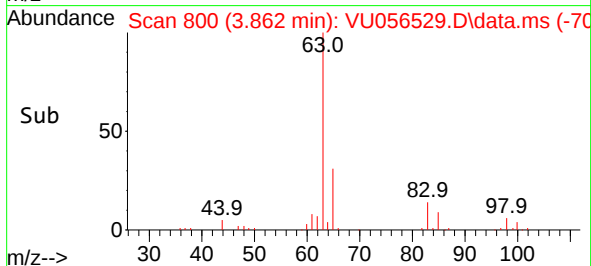
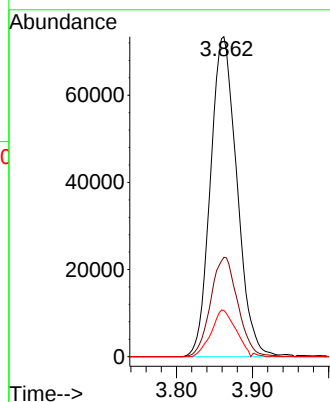
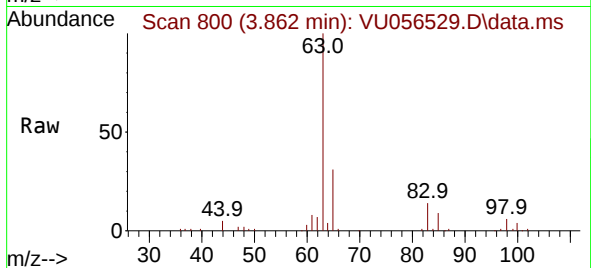




#19
1,1-Dichloroethane
Concen: 5.328 ug/L
RT: 3.862 min Scan# 80
Delta R.T. 0.000 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

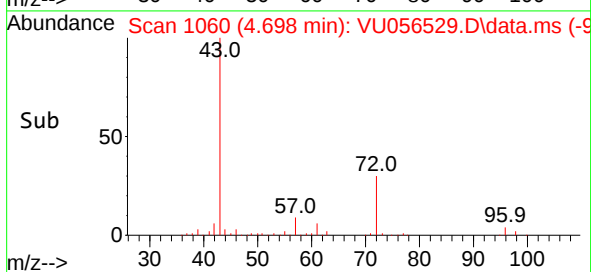
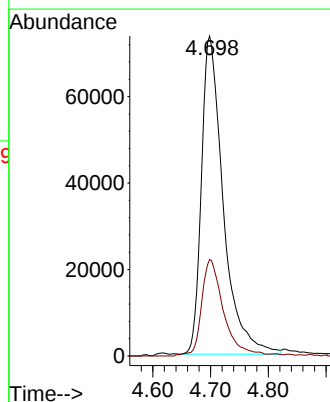
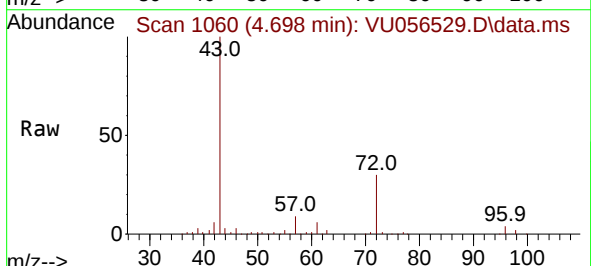
Instrument :
MSVOA_U
ClientSampleId :
E05N3MSD

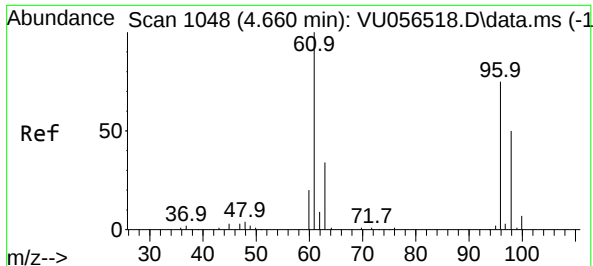
Tgt Ion: 63 Resp: 177498
Ion Ratio Lower Upper
63 100
65 31.0 21.8 40.6
83 14.5 9.7 17.9



#21
2-Butanone
Concen: 43.820 ug/L
RT: 4.698 min Scan# 1060
Delta R.T. -0.006 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

Tgt Ion: 43 Resp: 192879
Ion Ratio Lower Upper
43 100
72 30.4 14.2 42.6





#22

cis-1,2-Dichloroethene

Concen: 5.310 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU056529.D

Acq: 20 Nov 2023 16:02

Instrument :

MSVOA_U

ClientSampleId :

E05N3MSD

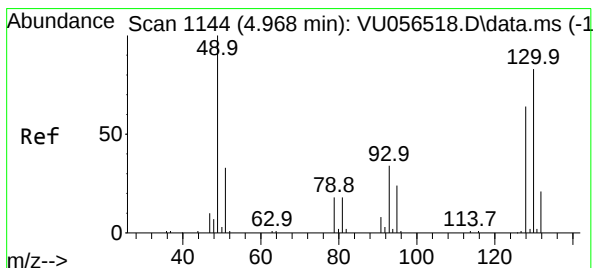
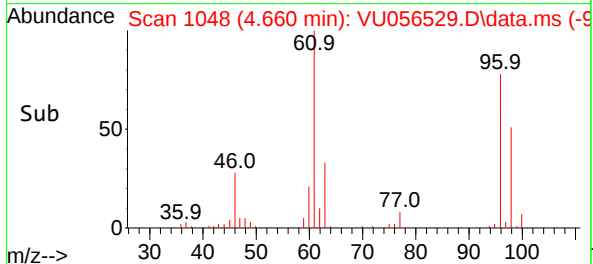
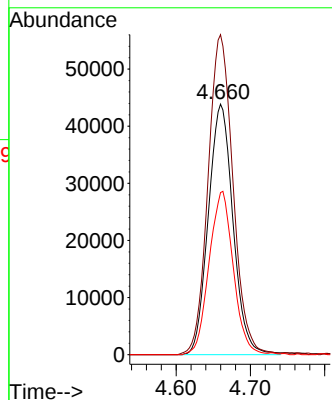
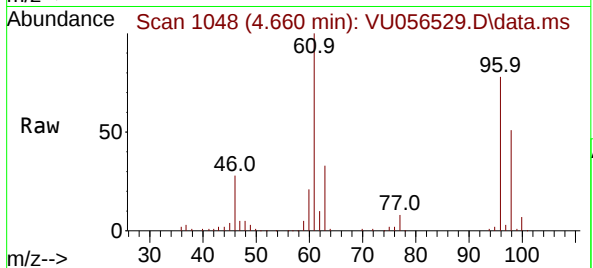
Tgt Ion: 96 Resp: 101279

Ion Ratio Lower Upper

96 100

61 127.7 93.2 173.2

98 64.6 44.8 83.2



#23

Bromochloromethane

Concen: 5.553 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VU056529.D

Acq: 20 Nov 2023 16:02

Tgt Ion: 128 Resp: 43599

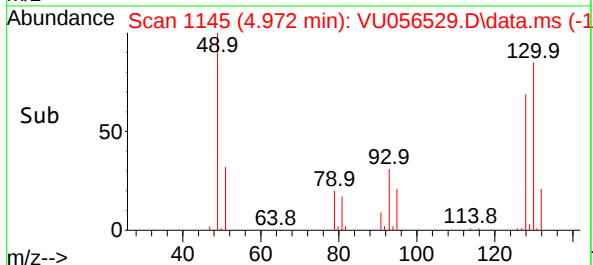
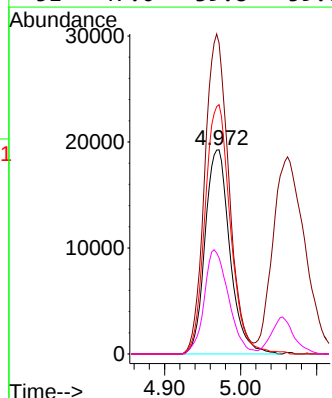
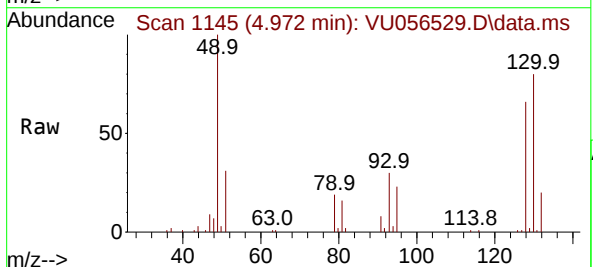
Ion Ratio Lower Upper

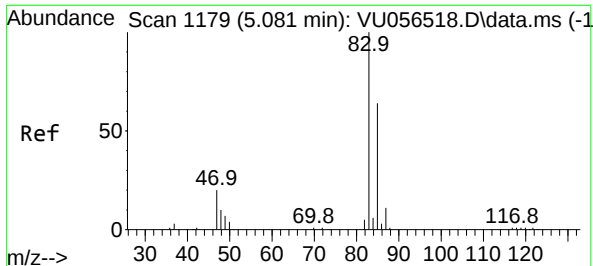
128 100

49 157.4 113.4 210.6

130 122.1 84.8 157.6

51 47.0 39.8 59.6





#25

Chloroform

Concen: 8.119 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU056529.D

Acq: 20 Nov 2023 16:02

Instrument :

MSVOA_U

ClientSampleId :

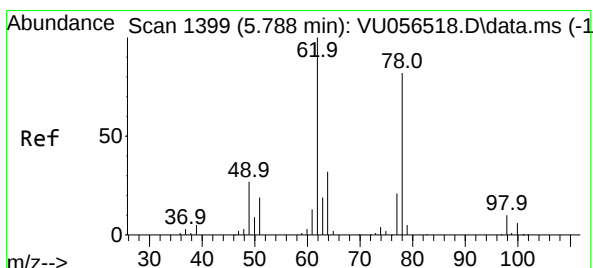
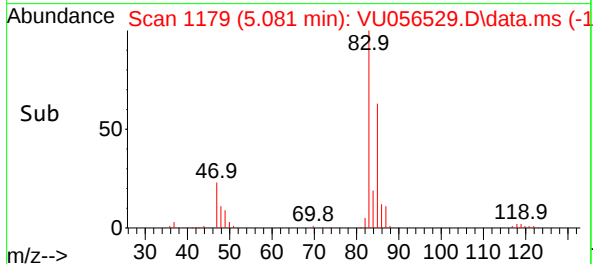
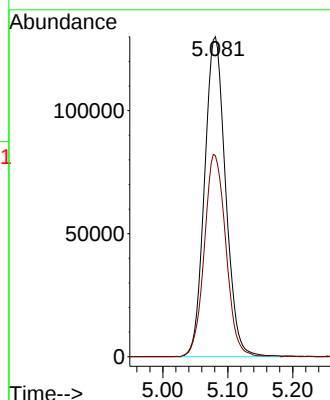
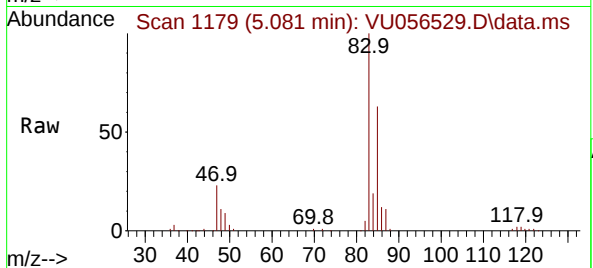
E05N3MSD

Tgt Ion: 83 Resp: 293050

Ion Ratio Lower Upper

83 100

85 62.8 47.0 87.2



#27

1,2-Dichloroethane

Concen: 5.491 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU056529.D

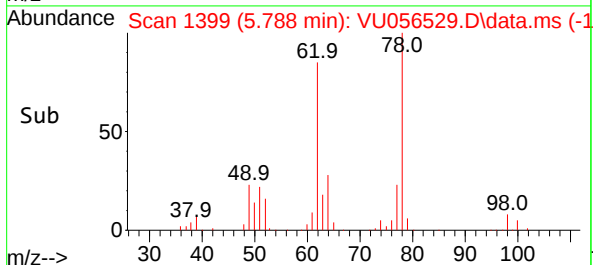
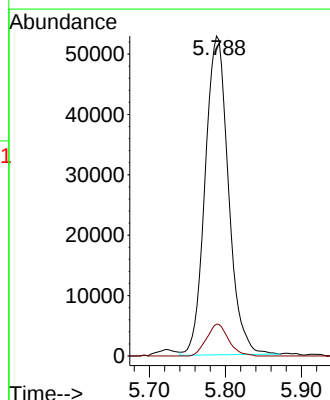
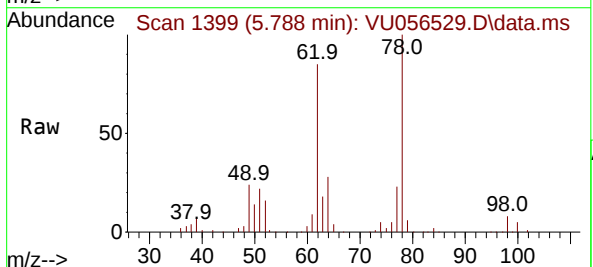
Acq: 20 Nov 2023 16:02

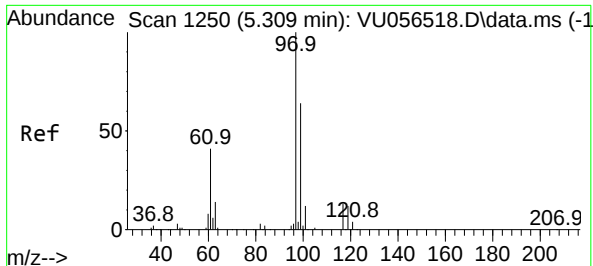
Tgt Ion: 62 Resp: 112527

Ion Ratio Lower Upper

62 100

98 9.9 6.6 10.0

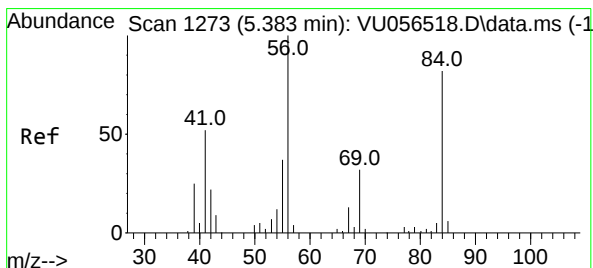
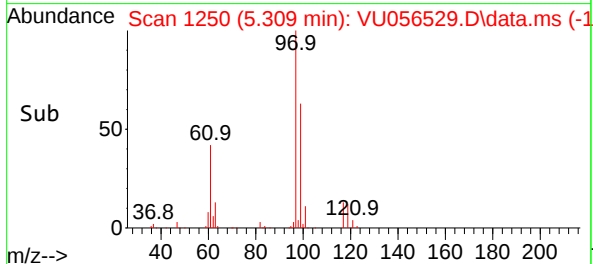
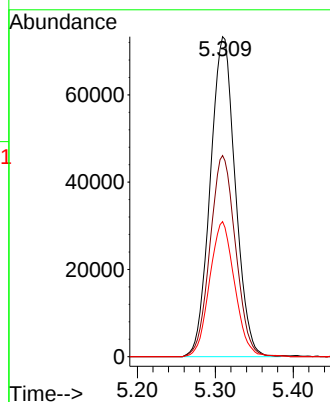
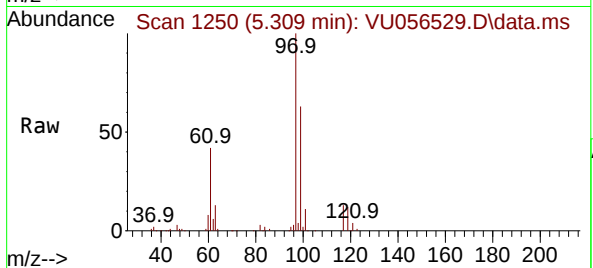




#29
1,1,1-Trichloroethane
Concen: 5.537 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

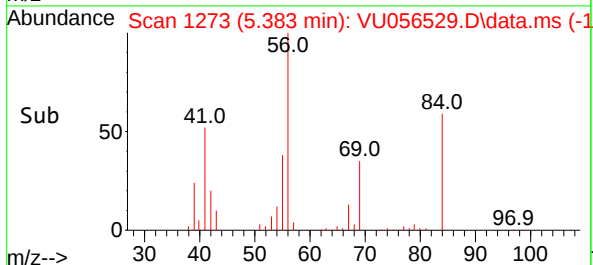
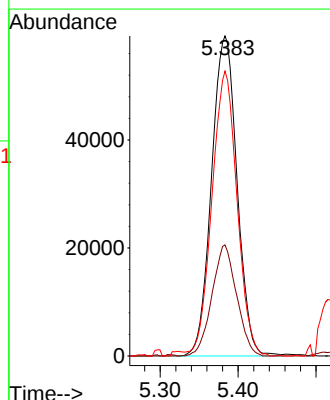
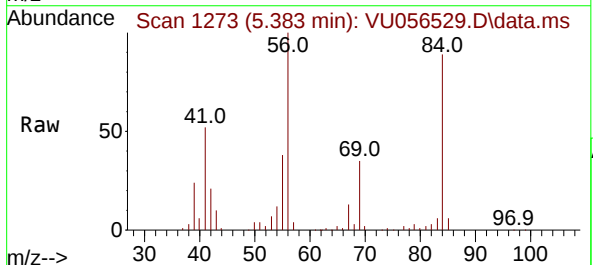
Instrument :
MSVOA_U
ClientSampleId :
E05N3MSD

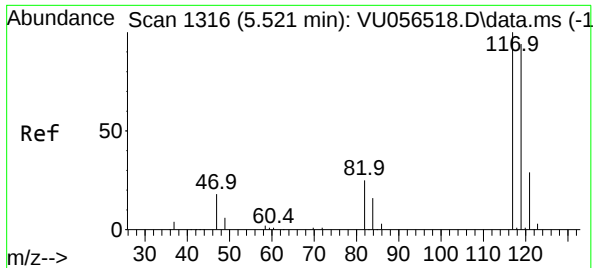
Tgt Ion: 97 Resp: 163547
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 42.4 34.3 51.5



#30
Cyclohexane
Concen: 4.806 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

Tgt Ion: 56 Resp: 134751
Ion Ratio Lower Upper
56 100
69 33.6 25.4 38.2
84 87.6 68.6 103.0

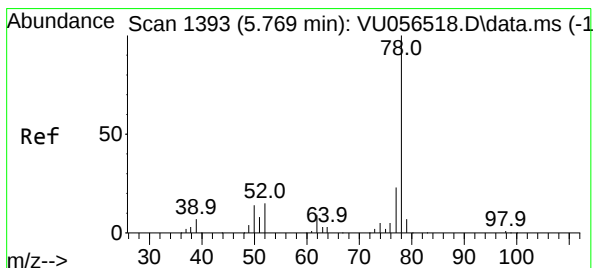
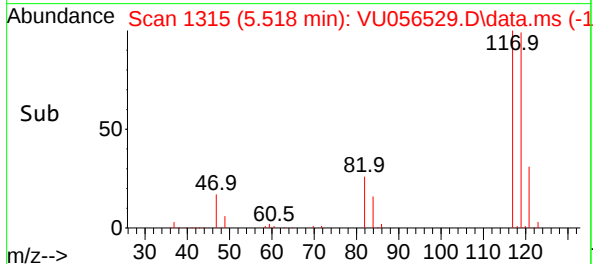
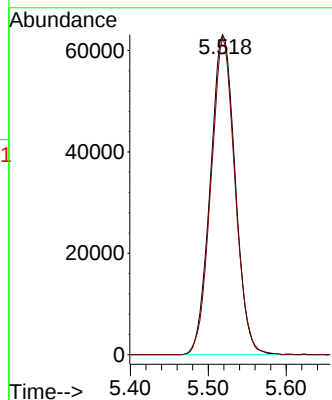
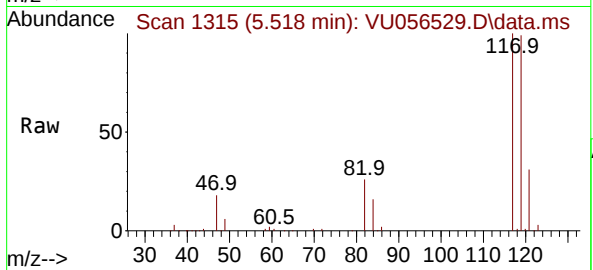




#31
Carbon tetrachloride
Concen: 5.510 ug/L
RT: 5.518 min Scan# 1117
Delta R.T. -0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

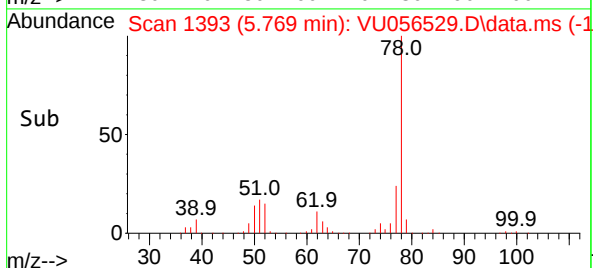
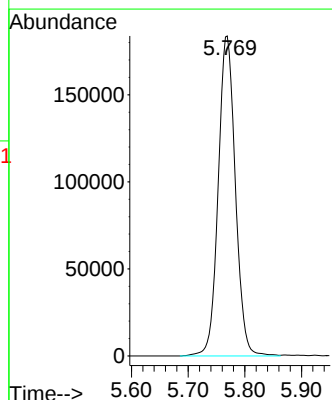
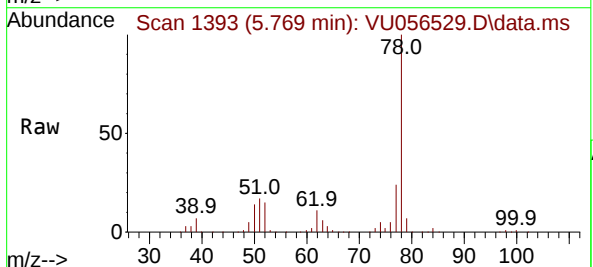
Instrument :
MSVOA_U
ClientSampleId :
E05N3MSD

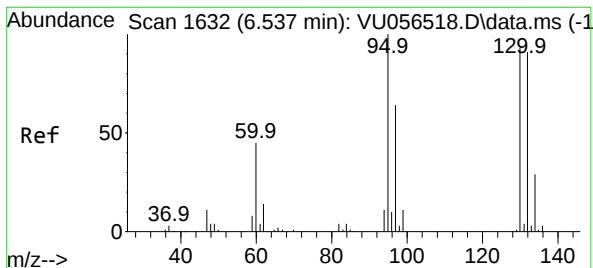
Tgt Ion:117 Resp: 139788
Ion Ratio Lower Upper
117 100
119 95.9 78.1 117.1



#33
Benzene
Concen: 5.263 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

Tgt Ion: 78 Resp: 386401





#34

Trichloroethene

Concen: 5.367 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056529.D

Acq: 20 Nov 2023 16:02

Instrument :

MSVOA_U

ClientSampleId :

E05N3MSD

Tgt Ion: 95 Resp: 107374

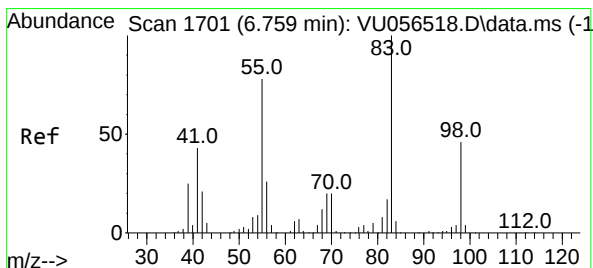
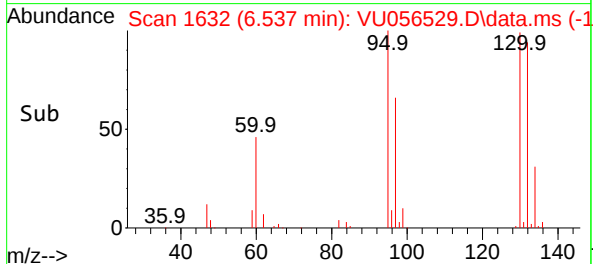
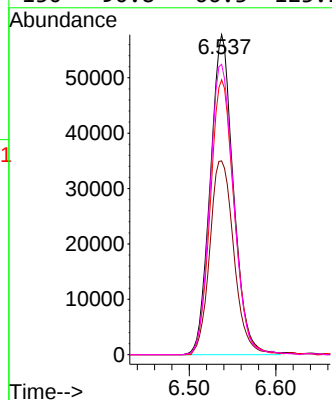
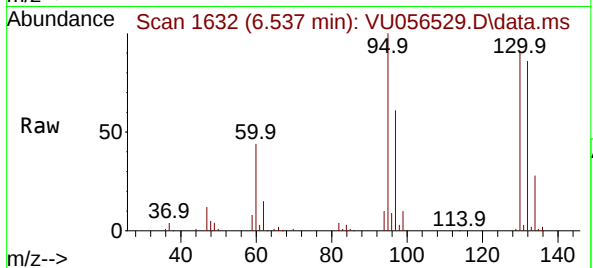
Ion Ratio Lower Upper

95 100

97 60.6 46.5 86.3

132 85.9 62.0 115.2

130 90.8 66.3 123.1



#35

Methylcyclohexane

Concen: 5.154 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU056529.D

Acq: 20 Nov 2023 16:02

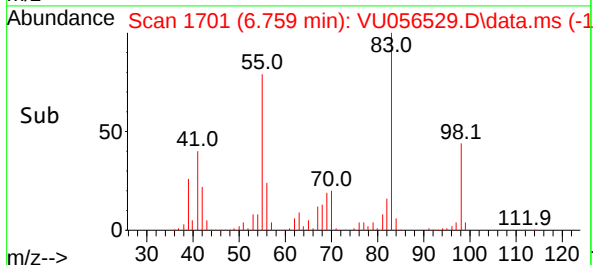
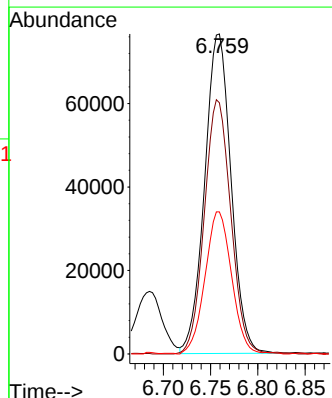
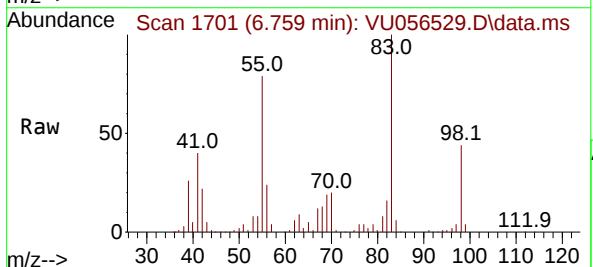
Tgt Ion: 83 Resp: 148860

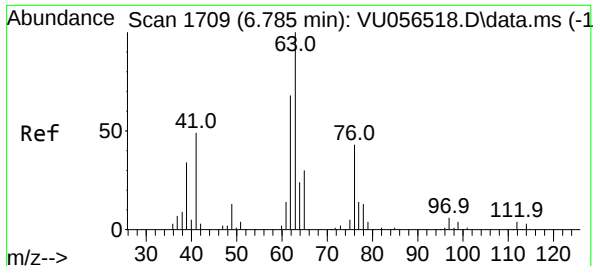
Ion Ratio Lower Upper

83 100

55 79.8 62.9 94.3

98 44.8 35.3 52.9





#37

1,2-Dichloropropane

Concen: 5.473 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056529.D

Acq: 20 Nov 2023 16:02

Instrument :

MSVOA_U

ClientSampleId :

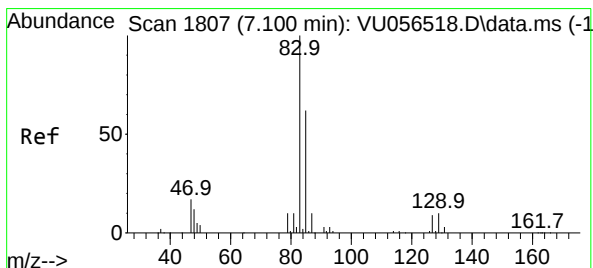
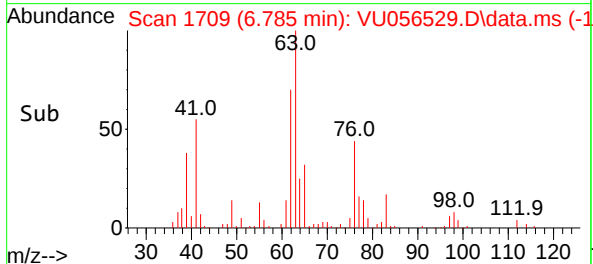
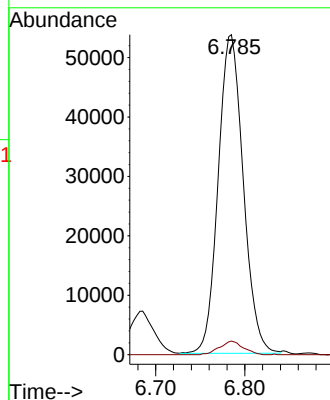
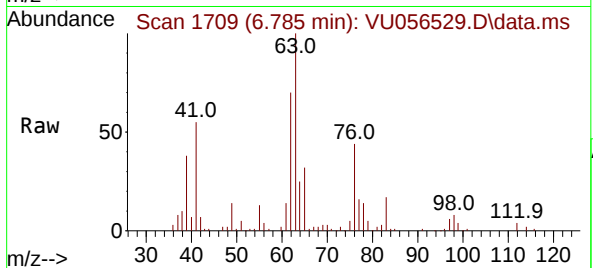
E05N3MSD

Tgt Ion: 63 Resp: 104807

Ion Ratio Lower Upper

63 100

112 4.0 3.2 4.8



#38

Bromodichloromethane

Concen: 8.361 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU056529.D

Acq: 20 Nov 2023 16:02

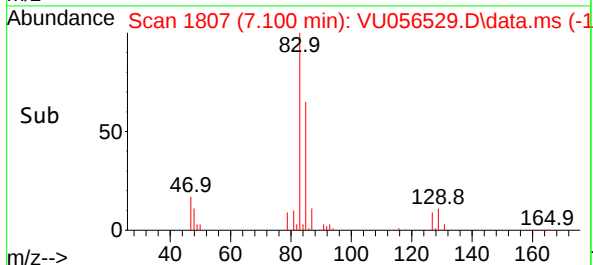
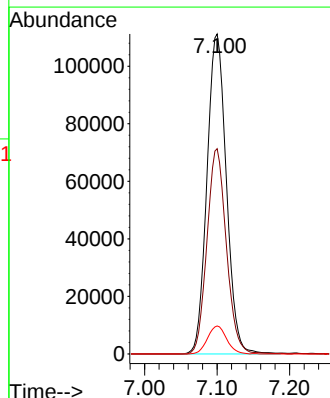
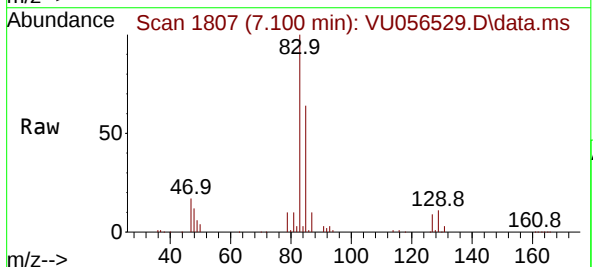
Tgt Ion: 83 Resp: 206669

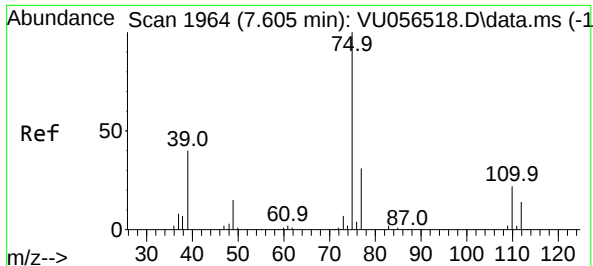
Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.5

127 8.8 6.9 10.3

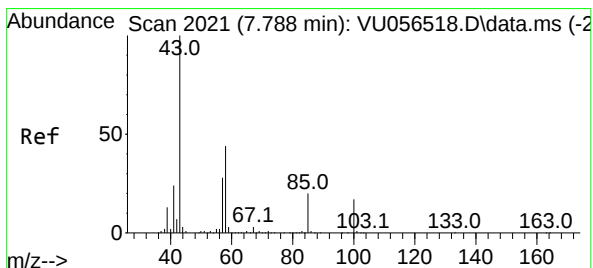
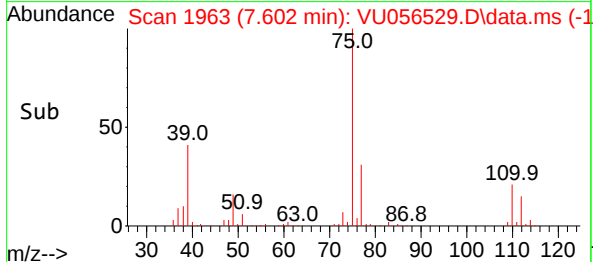
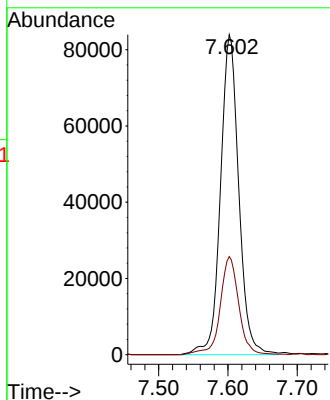
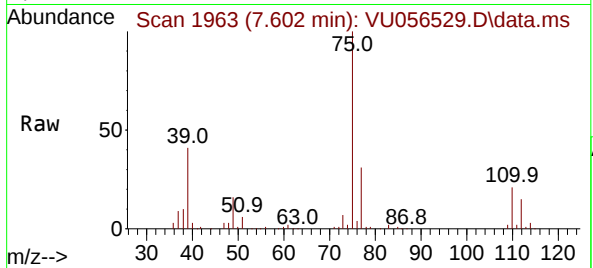




#39
 cis-1,3-Dichloropropene
 Concen: 5.478 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.003 min
 Lab File: VU056529.D
 Acq: 20 Nov 2023 16:02

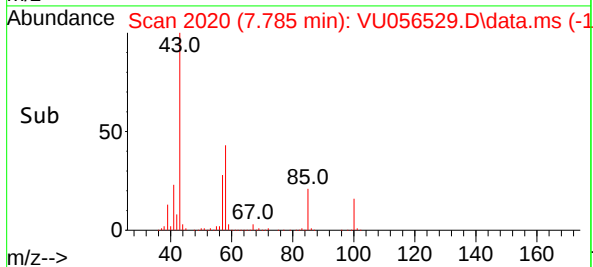
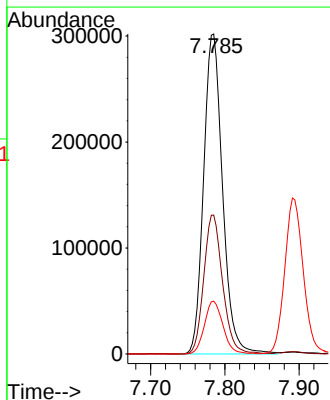
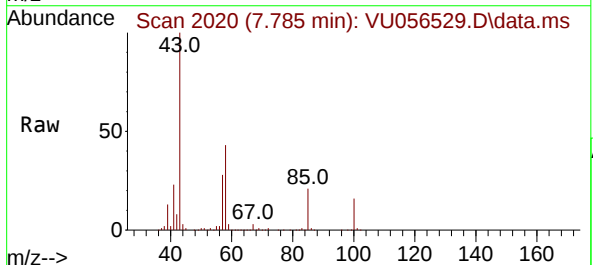
Instrument :
 MSVOA_U
 ClientSampleId :
 E05N3MSD

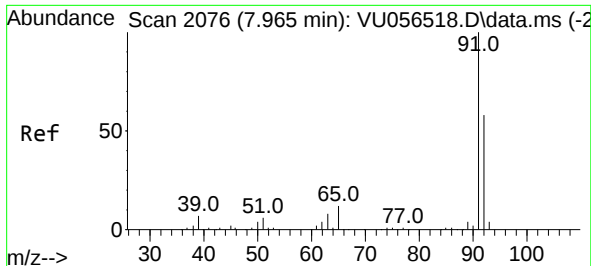
Tgt Ion: 75 Resp: 154142
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 56.324 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. -0.003 min
 Lab File: VU056529.D
 Acq: 20 Nov 2023 16:02

Tgt Ion: 43 Resp: 534615
 Ion Ratio Lower Upper
 43 100
 58 43.2 33.8 50.8
 100 16.2 13.0 19.4





#42

Toluene

Concen: 5.620 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056529.D

Acq: 20 Nov 2023 16:02

Instrument :

MSVOA_U

ClientSampleId :

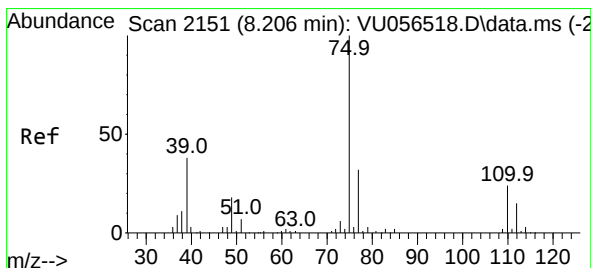
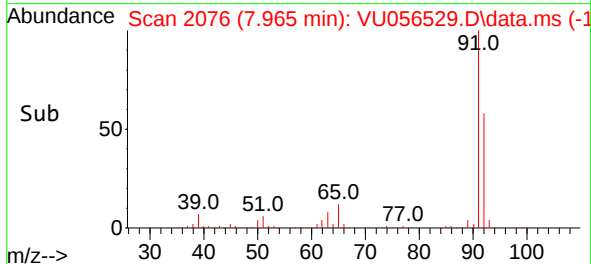
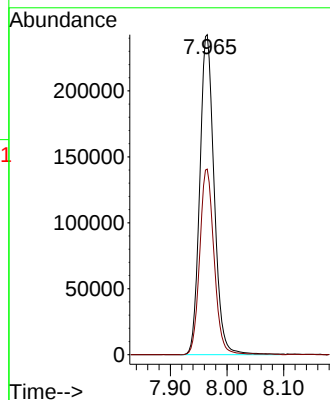
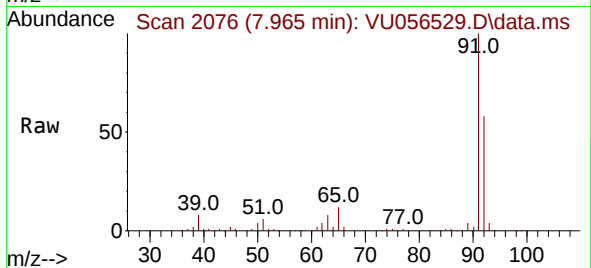
E05N3MSD

Tgt Ion: 91 Resp: 427228

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.733 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056529.D

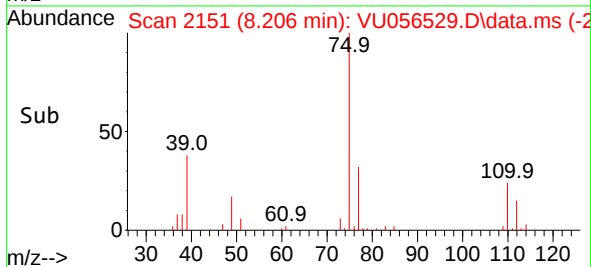
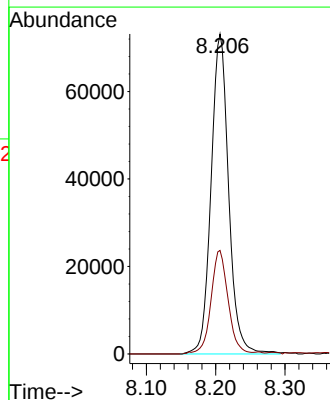
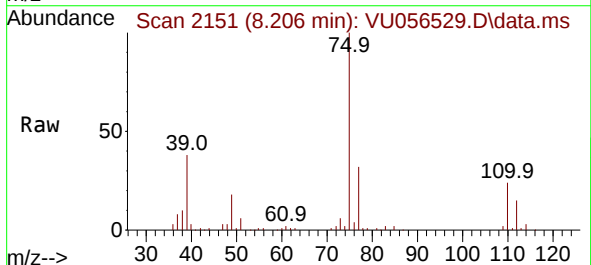
Acq: 20 Nov 2023 16:02

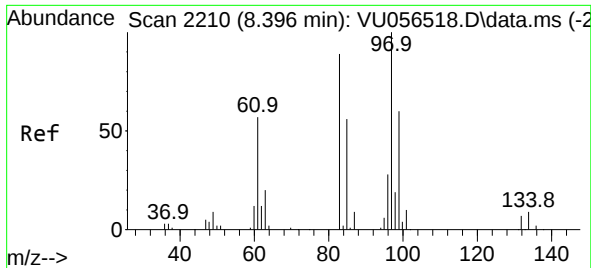
Tgt Ion: 75 Resp: 128585

Ion Ratio Lower Upper

75 100

77 32.4 22.8 42.4



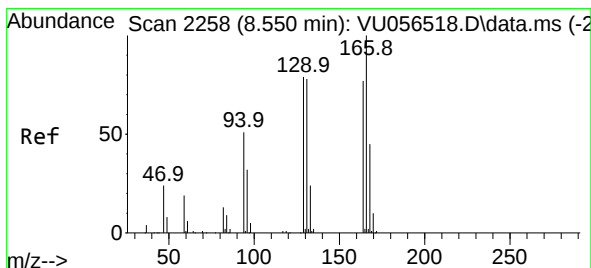
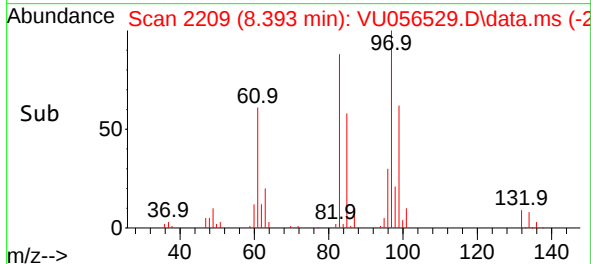
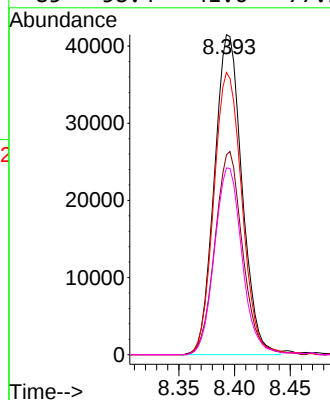
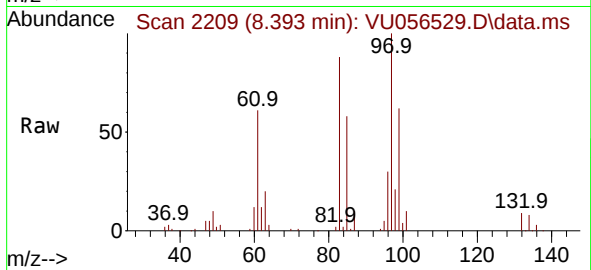


#45
1,1,2-Trichloroethane
Concen: 5.610 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

Instrument :
MSVOA_U
ClientSampleId :
E05N3MSD

Tgt Ion: 97 Resp: 71544

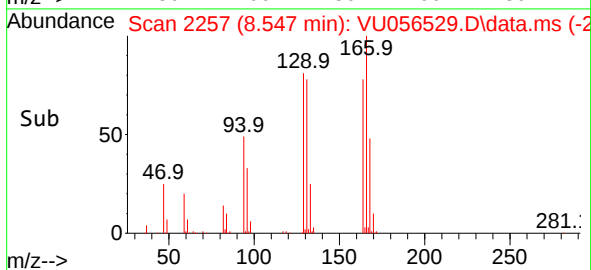
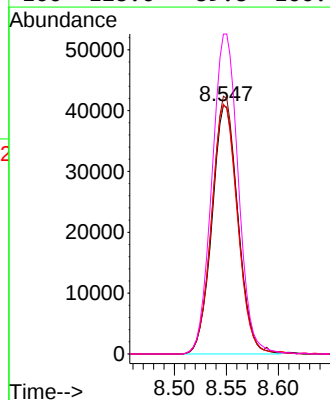
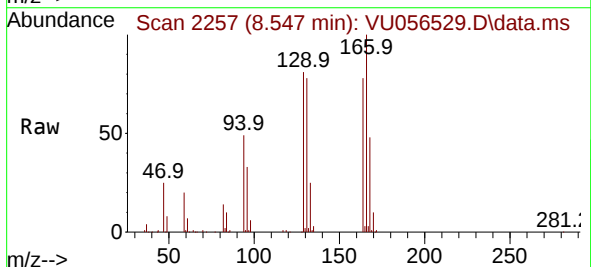
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.3	82.3
83	88.2	65.4	121.4
85	58.4	41.6	77.3

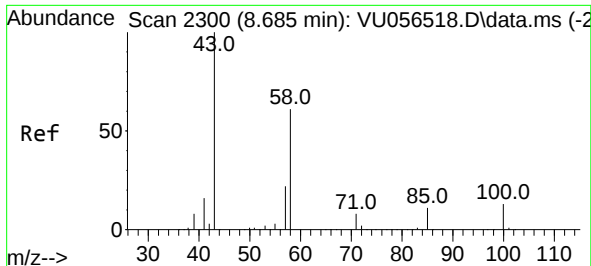


#47
Tetrachloroethene
Concen: 5.257 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

Tgt Ion: 164 Resp: 70924

Ion	Ratio	Lower	Upper
164	100		
129	103.7	71.0	131.9
131	100.5	70.3	130.7
166	128.6	89.8	166.8

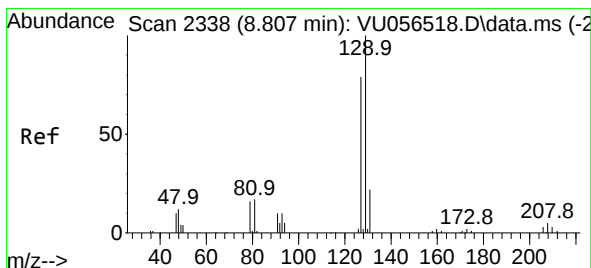
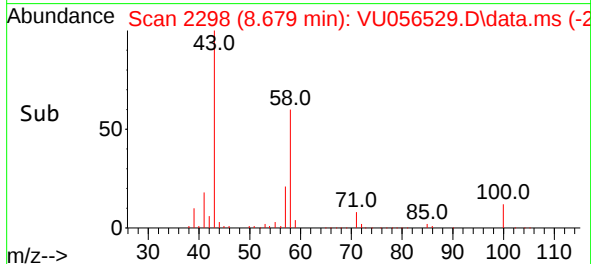
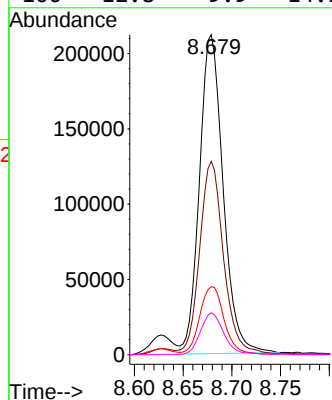
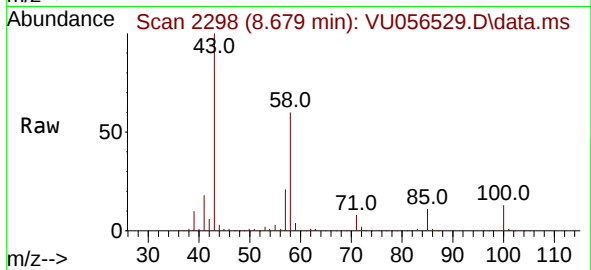




#48
2-Hexanone
Concen: 48.461 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

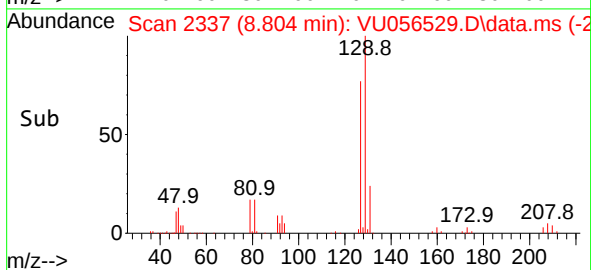
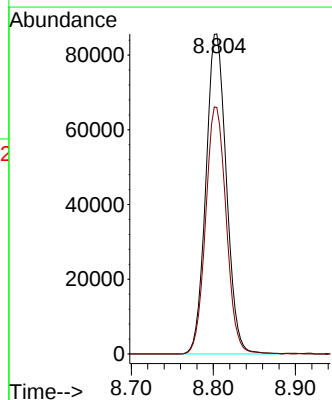
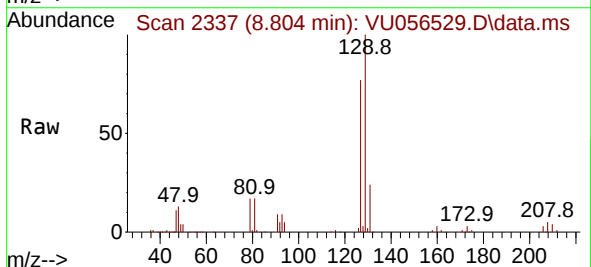
Instrument :
MSVOA_U
ClientSampleId :
E05N3MSD

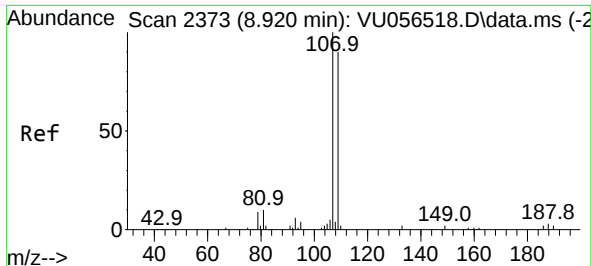
Tgt Ion:	43	Resp:	358348
Ion	Ratio	Lower	Upper
43	100		
58	60.4	48.7	73.1
57	21.8	16.8	25.2
100	12.8	9.9	14.9



#49
Dibromochloromethane
Concen: 10.217 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

Tgt Ion:	129	Resp:	148168
Ion	Ratio	Lower	Upper
129	100		
127	77.1	52.9	98.3

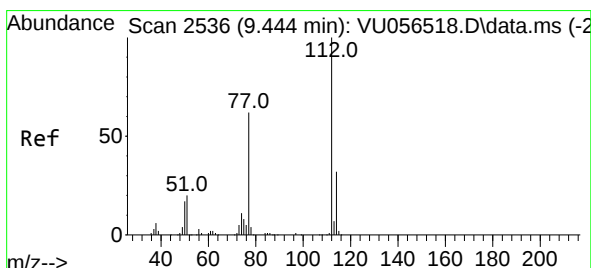
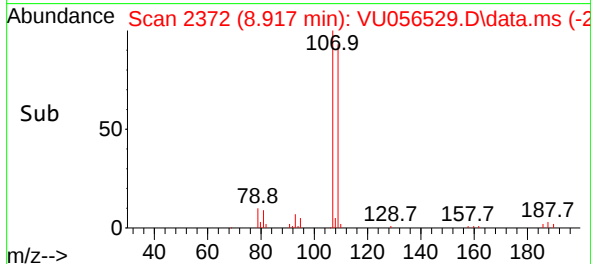
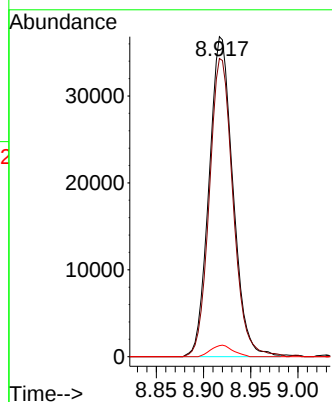
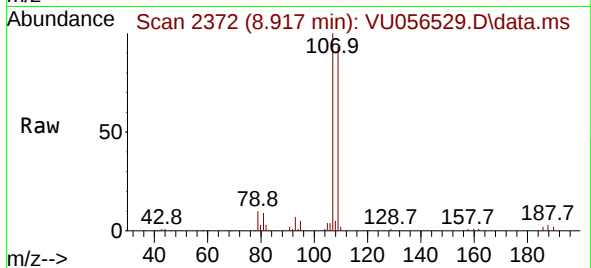




#50
1,2-Dibromoethane
Concen: 5.381 ug/L
RT: 8.917 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

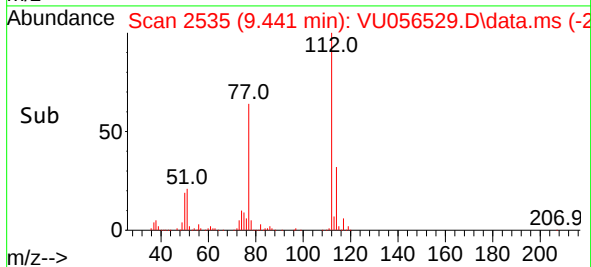
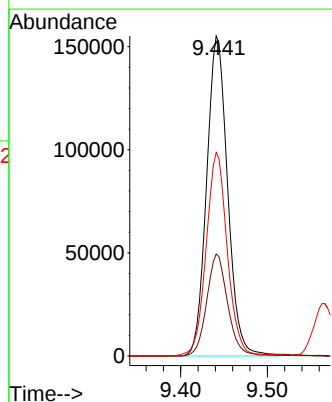
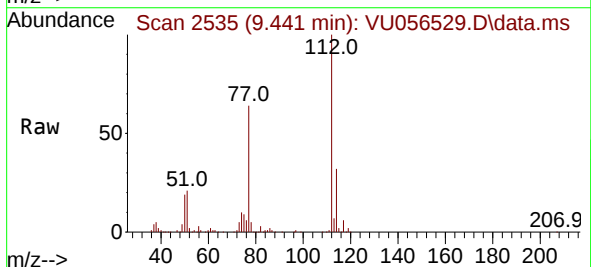
Instrument :
MSVOA_U
ClientSampleId :
E05N3MSD

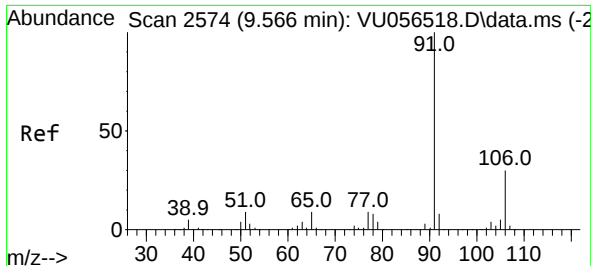
Tgt Ion:107 Resp: 64785
Ion Ratio Lower Upper
107 100
109 93.2 64.2 119.2
188 3.5 2.6 4.0



#51
Chlorobenzene
Concen: 5.353 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

Tgt Ion:112 Resp: 261450
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.7
77 63.6 51.7 77.5

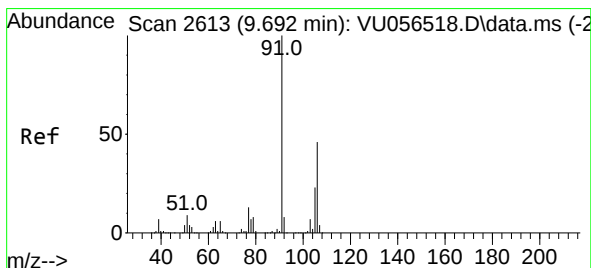
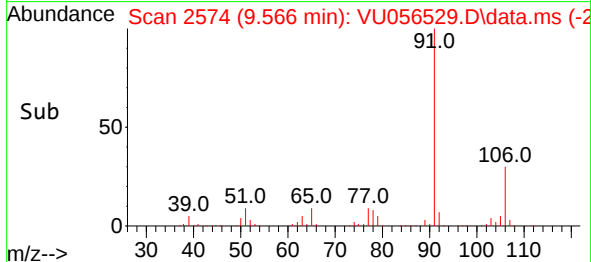
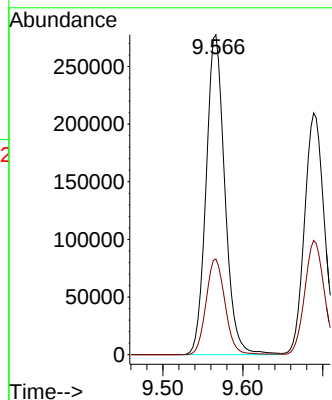
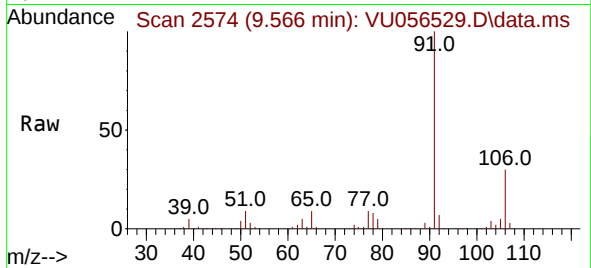




#52
Ethylbenzene
Concen: 5.369 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

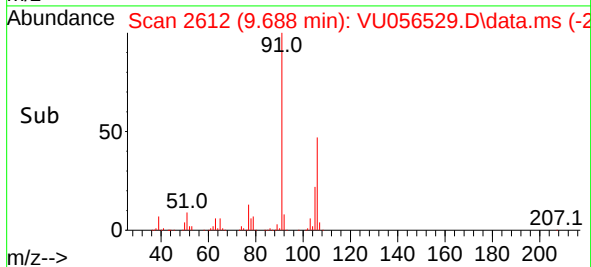
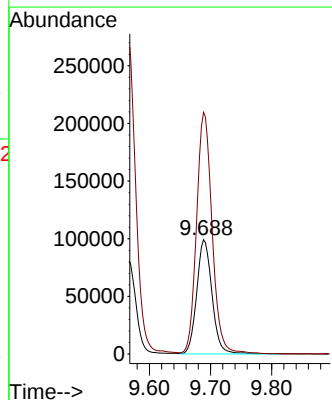
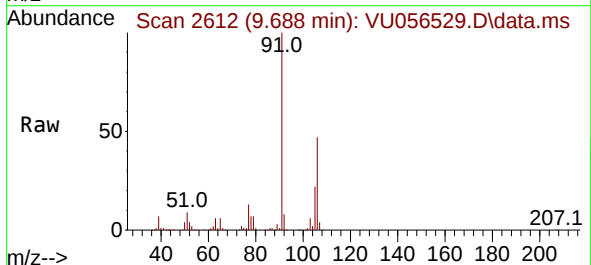
Instrument :
MSVOA_U
ClientSampleId :
E05N3MSD

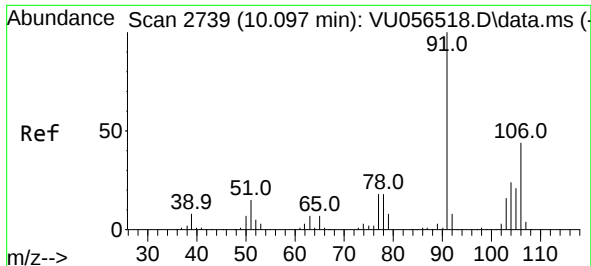
Tgt Ion: 91 Resp: 453232
Ion Ratio Lower Upper
91 100
106 29.9 21.1 39.1



#53
m,p-Xylene
Concen: 5.547 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

Tgt Ion: 106 Resp: 172132
Ion Ratio Lower Upper
106 100
91 211.6 149.6 277.8

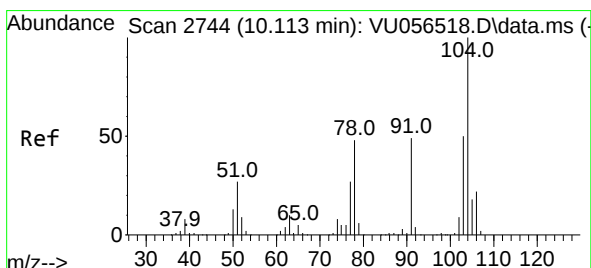
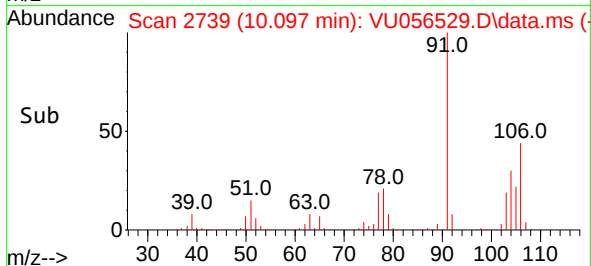
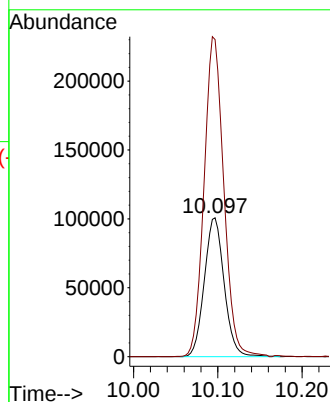
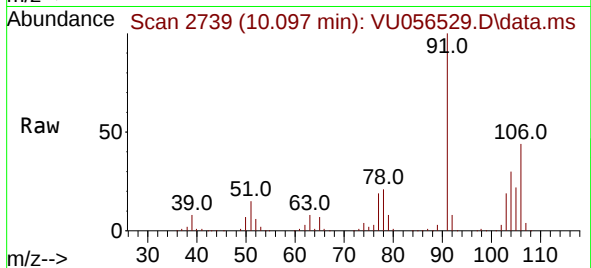




#54
o-Xylene
Concen: 5.485 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

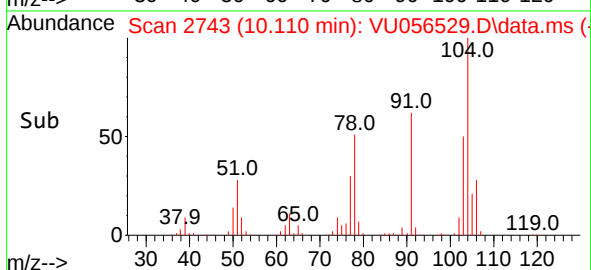
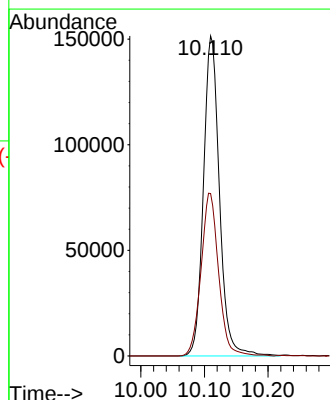
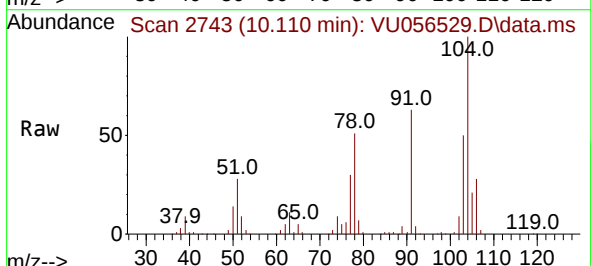
Instrument :
MSVOA_U
ClientSampleId :
E05N3MSD

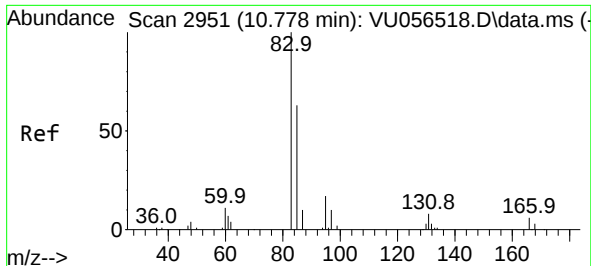
Tgt Ion:106 Resp: 165341
Ion Ratio Lower Upper
106 100
91 228.5 159.3 295.9



#55
Styrene
Concen: 5.286 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

Tgt Ion:104 Resp: 265044
Ion Ratio Lower Upper
104 100
78 50.8 34.2 63.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.648 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU056529.D

Acq: 20 Nov 2023 16:02

Instrument :

MSVOA_U

ClientSampleId :

E05N3MSD

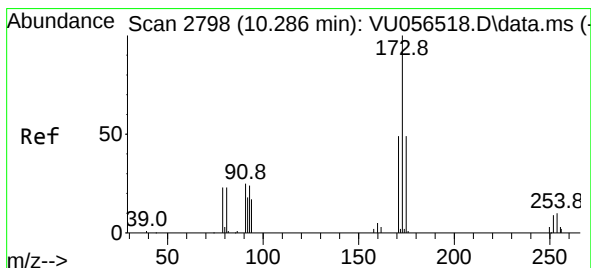
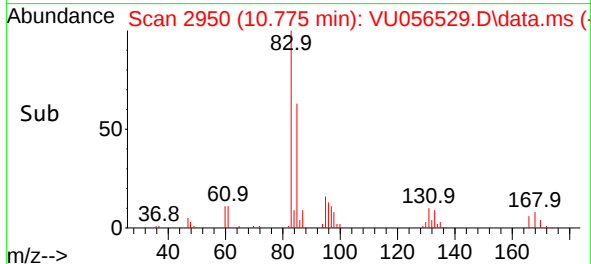
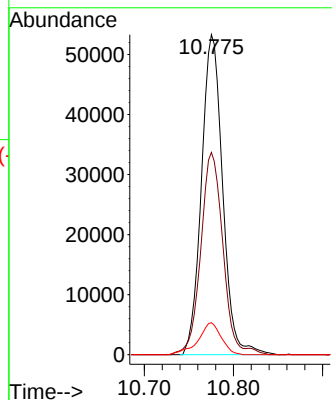
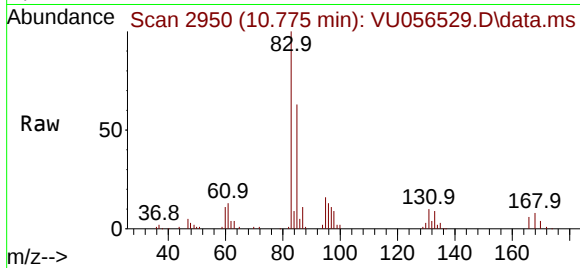
Tgt Ion: 83 Resp: 87946

Ion Ratio Lower Upper

83 100

85 63.2 46.3 86.1

131 10.0 6.7 10.1



#59

Bromoform

Concen: 10.932 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU056529.D

Acq: 20 Nov 2023 16:02

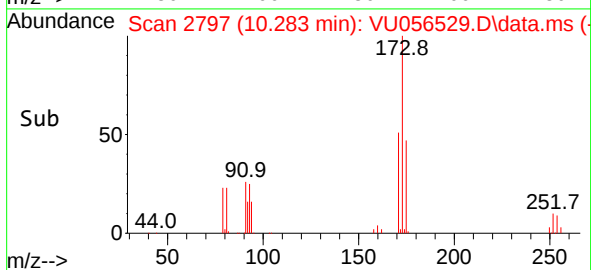
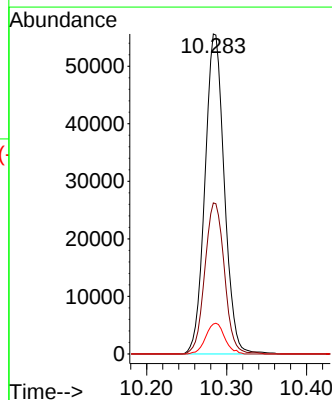
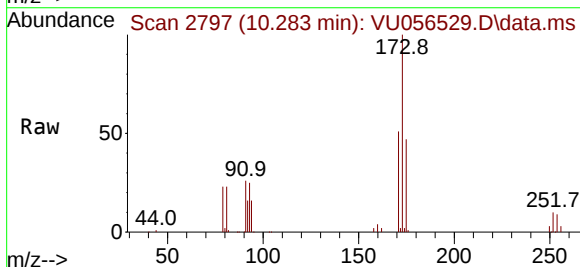
Tgt Ion:173 Resp: 93812

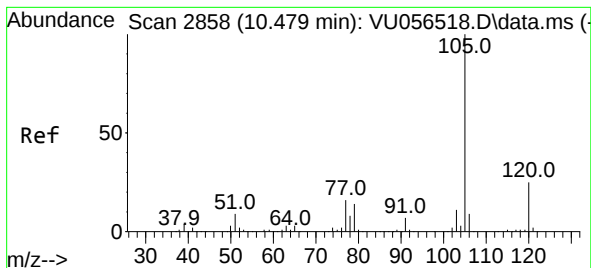
Ion Ratio Lower Upper

173 100

175 47.5 38.9 58.3

254 9.4 6.7 10.1





#60

Isopropylbenzene

Concen: 5.118 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU056529.D

Acq: 20 Nov 2023 16:02

Instrument :

MSVOA_U

ClientSampleId :

E05N3MSD

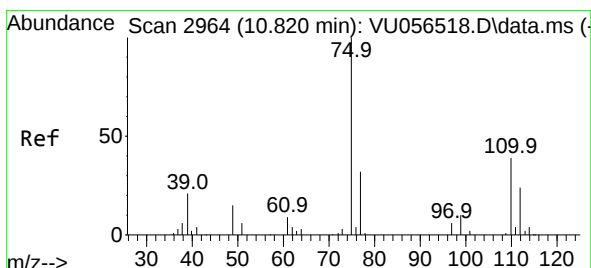
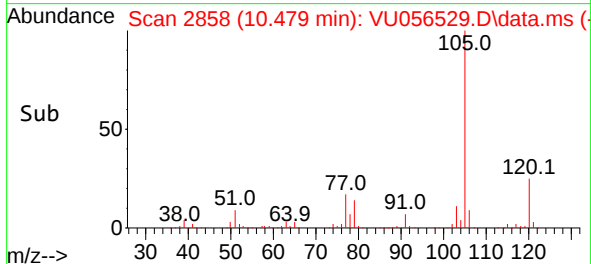
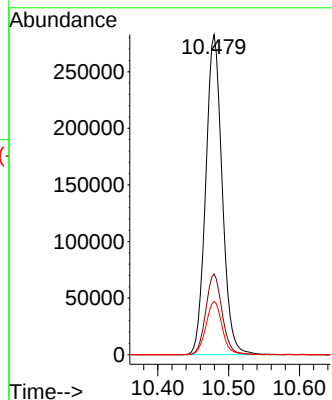
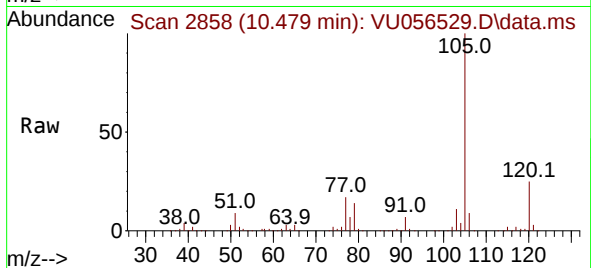
Tgt Ion:105 Resp: 454700

Ion Ratio Lower Upper

105 100

120 25.0 20.4 30.6

77 16.5 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 4.898 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.003 min

Lab File: VU056529.D

Acq: 20 Nov 2023 16:02

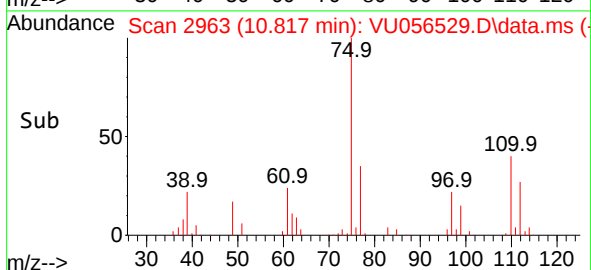
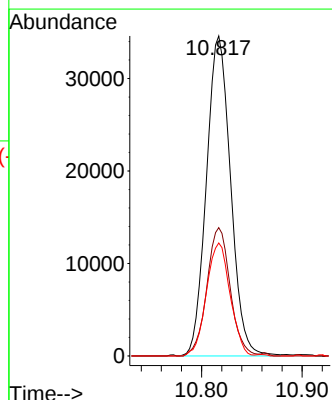
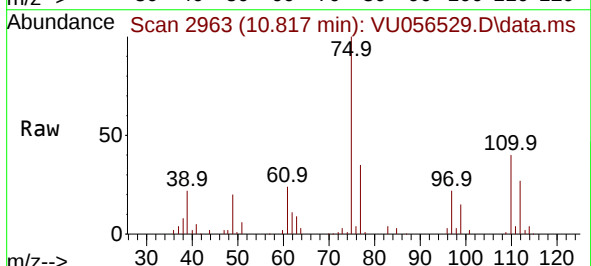
Tgt Ion: 75 Resp: 57893

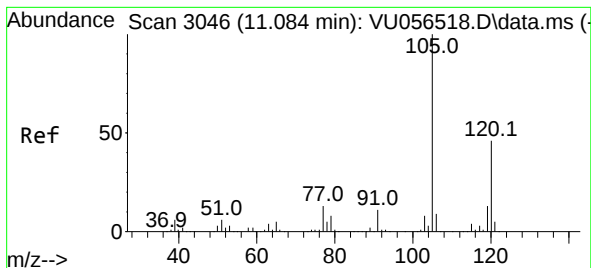
Ion Ratio Lower Upper

75 100

110 38.7 30.4 45.6

77 34.6 27.0 40.6





#62

1,3,5-Trimethylbenzene

Concen: 5.015 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU056529.D

Acq: 20 Nov 2023 16:02

Instrument :

MSVOA_U

ClientSampleId :

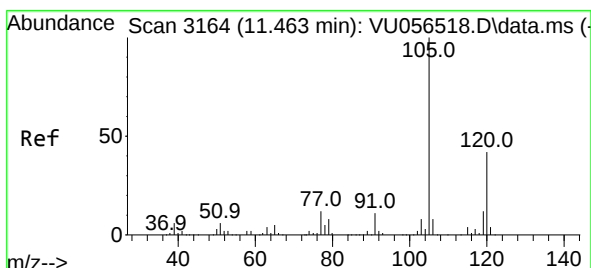
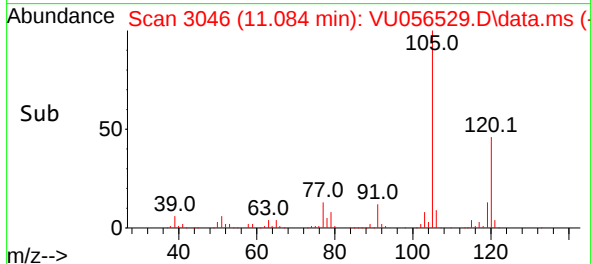
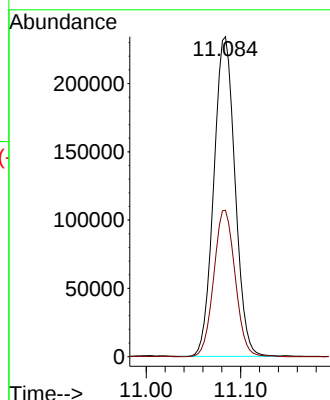
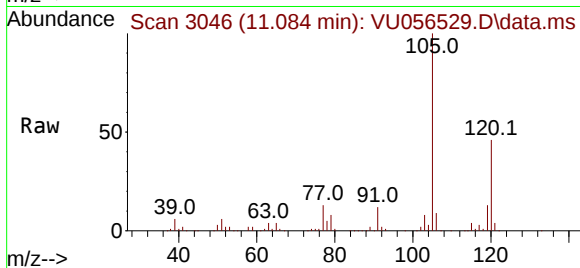
E05N3MSD

Tgt Ion:105 Resp: 365872

Ion Ratio Lower Upper

105 100

120 46.1 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 5.362 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU056529.D

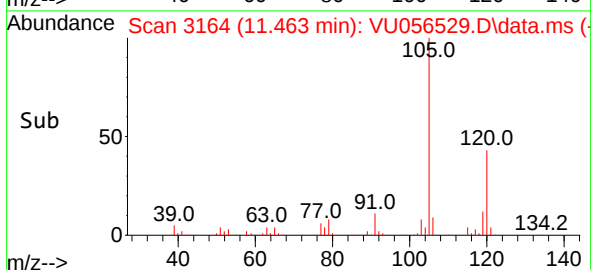
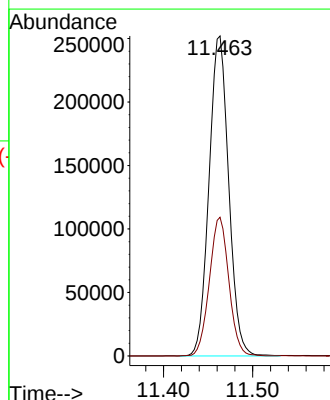
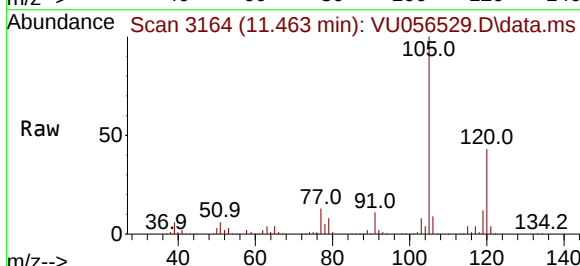
Acq: 20 Nov 2023 16:02

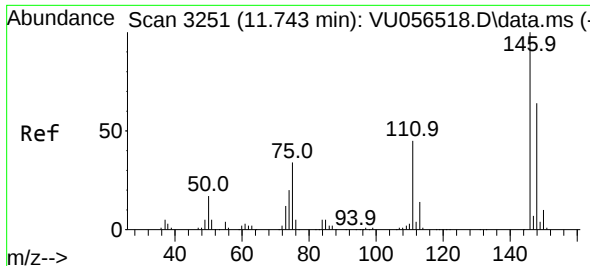
Tgt Ion:105 Resp: 386091

Ion Ratio Lower Upper

105 100

120 42.9 34.0 51.0

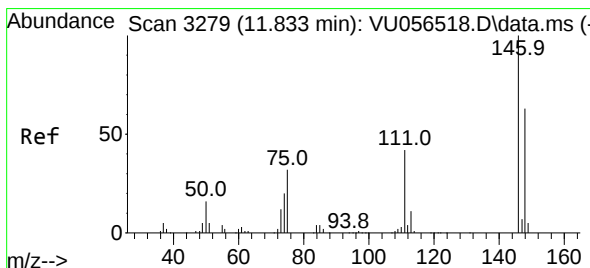
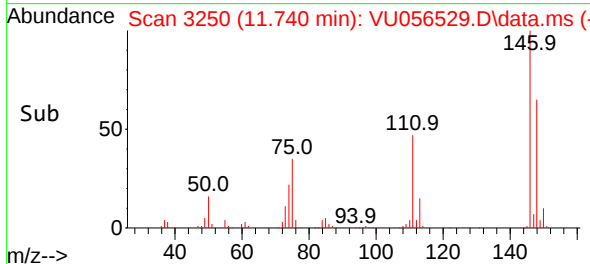
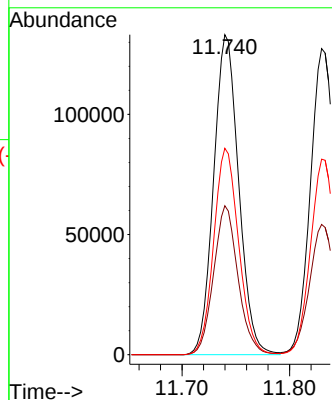
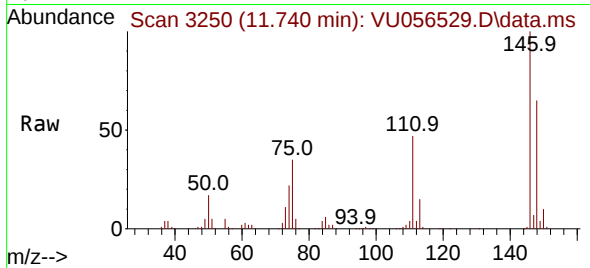




#64
1,3-Dichlorobenzene
Concen: 5.338 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

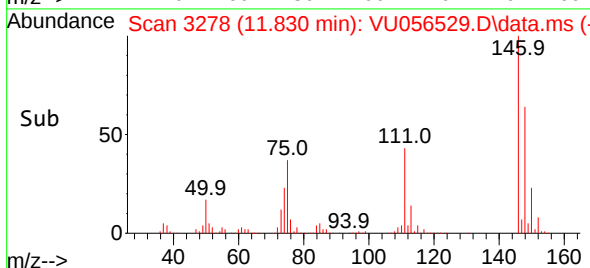
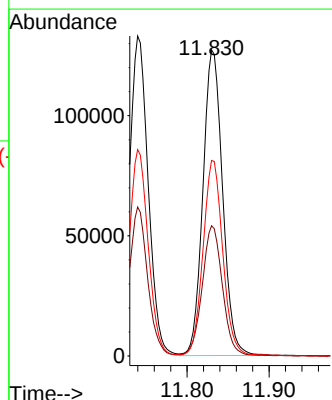
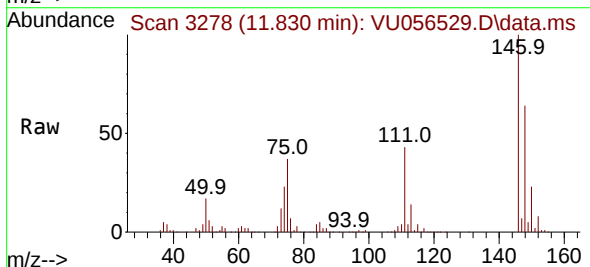
Instrument :
MSVOA_U
ClientSampleId :
E05N3MSD

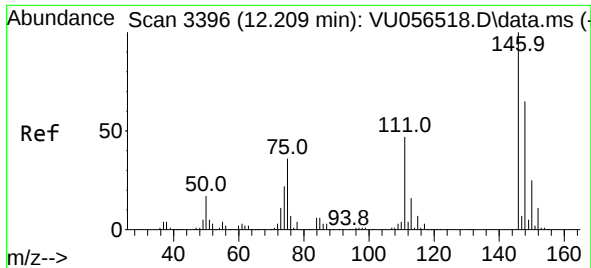
Tgt Ion:146 Resp: 215717
Ion Ratio Lower Upper
146 100
111 46.6 31.1 57.7
148 64.5 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 5.230 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

Tgt Ion:146 Resp: 212033
Ion Ratio Lower Upper
146 100
111 42.6 30.5 56.7
148 63.9 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.507 ug/L

RT: 12.206 min Scan# 3396

Delta R.T. -0.003 min

Lab File: VU056529.D

Acq: 20 Nov 2023 16:02

Instrument :

MSVOA_U

ClientSampleId :

E05N3MSD

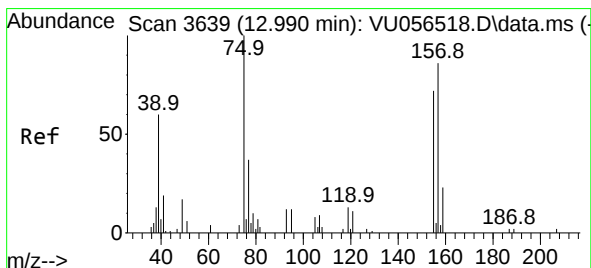
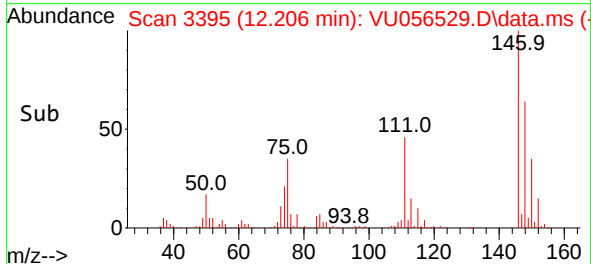
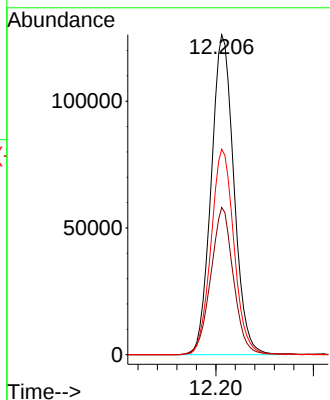
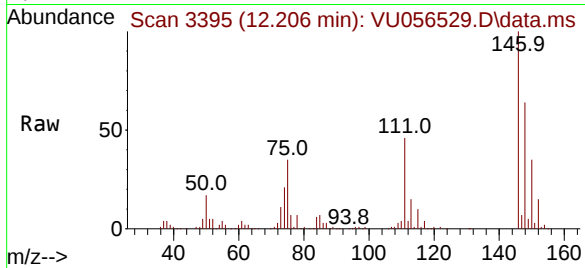
Tgt Ion:146 Resp: 204171

Ion Ratio Lower Upper

146 100

111 46.0 38.3 57.5

148 64.2 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.935 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU056529.D

Acq: 20 Nov 2023 16:02

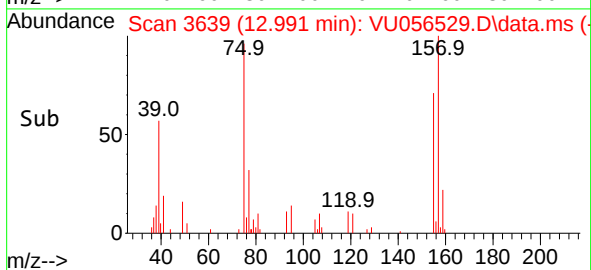
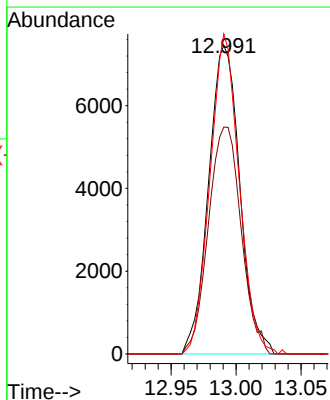
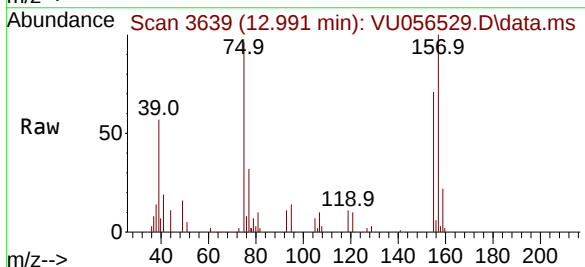
Tgt Ion: 75 Resp: 12459

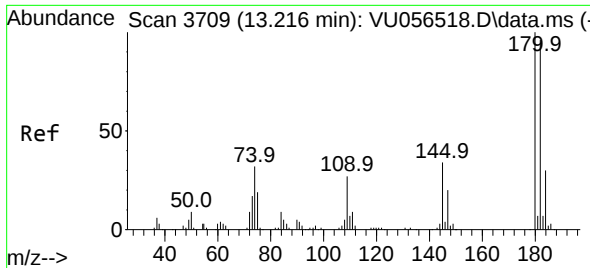
Ion Ratio Lower Upper

75 100

155 73.5 62.4 93.6

157 103.7 80.2 120.2

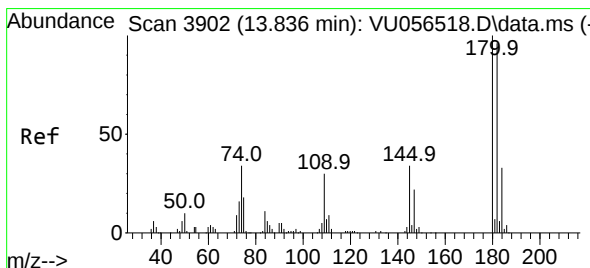
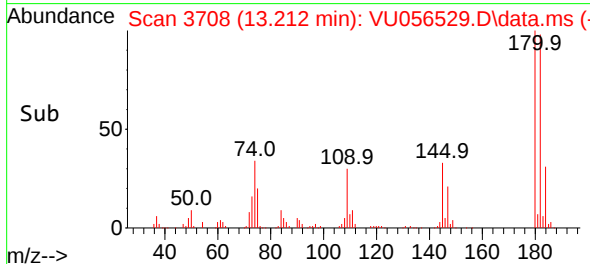
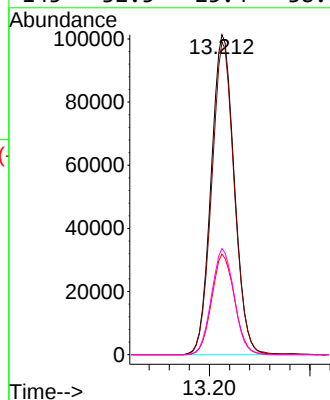
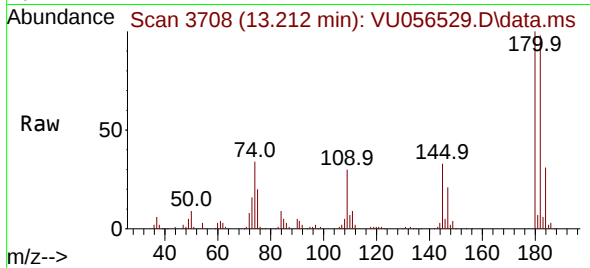




#69
1,3,5-Trichlorobenzene
Concen: 5.303 ug/L
RT: 13.212 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

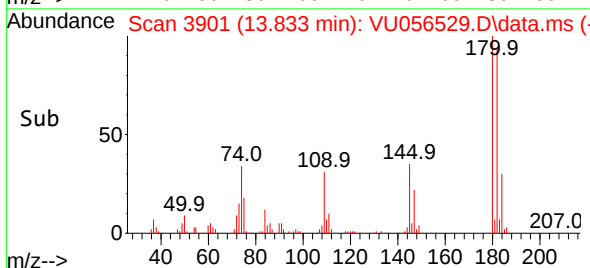
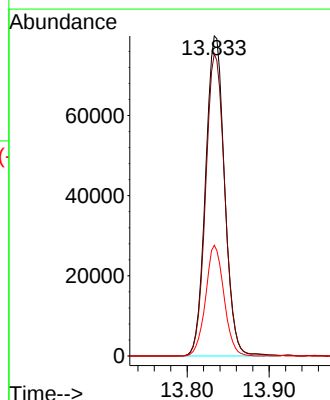
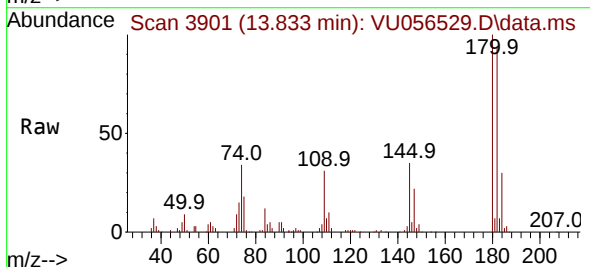
Instrument :
MSVOA_U
ClientSampleId :
E05N3MSD

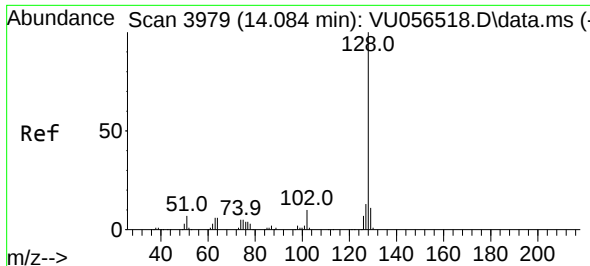
Tgt Ion:180 Resp: 161370
Ion Ratio Lower Upper
180 100
182 95.8 75.1 112.7
184 31.1 23.5 35.3
145 32.5 25.4 38.0



#70
1,2,4-trichlorobenzene
Concen: 5.185 ug/L
RT: 13.833 min Scan# 3901
Delta R.T. -0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

Tgt Ion:180 Resp: 128499
Ion Ratio Lower Upper
180 100
182 95.1 75.4 113.2
145 33.4 26.8 40.2

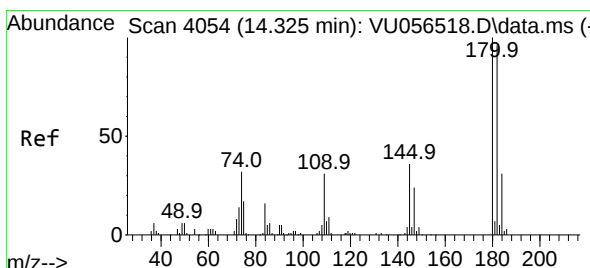
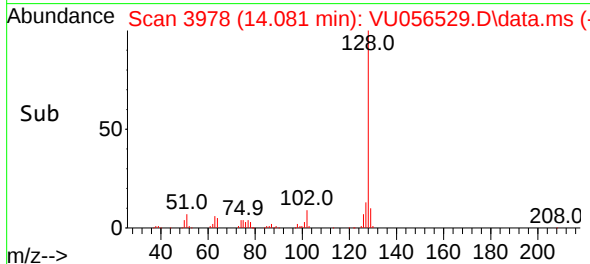
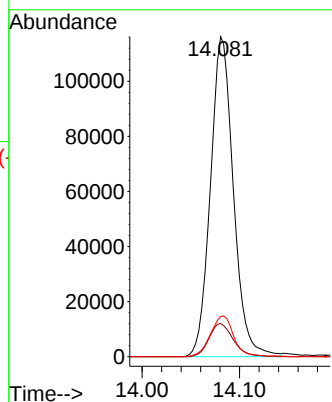
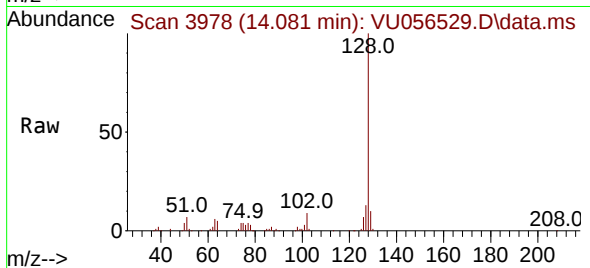




#71
Naphthalene
Concen: 5.082 ug/L
RT: 14.081 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

Instrument :
MSVOA_U
ClientSampleId :
E05N3MSD

Tgt Ion:128 Resp: 190310
Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 12.9 10.3 15.5



#72
1,2,3-Trichlorobenzene
Concen: 5.298 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.003 min
Lab File: VU056529.D
Acq: 20 Nov 2023 16:02

Tgt Ion:180 Resp: 108155
Ion Ratio Lower Upper
180 100
182 95.3 78.6 117.8
145 37.9 29.0 43.6

