

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111723\
 Data File : VU056441.D
 Acq On : 17 Nov 2023 14:50
 Operator : MD/SY
 Sample : 05389-14MS
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 23:21:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 17 23:14:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	276192	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	273244	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	137453	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	74511	3.607	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.200%
7) Chloroethane-d5	1.908	69	69304	4.375	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.600%
11) 1,1-Dichloroethene-d2	2.563	65	36898	4.047	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.000%
20) 2-Butanone-d5	4.624	46	219420	53.267	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.540%
24) Chloroform-d	5.059	84	183334	4.588	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.695	65	93260	5.051	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
32) Benzene-d6	5.721	84	360507	4.428	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.685	67	112364	4.580	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.891	98	321214	4.468	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	8.177	79	41170	4.375	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.627	63	206918	55.954	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.900%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	91929	5.243	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	121891	4.800	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	100363	4.586	ug/L	98
3) Chloromethane	1.515	50	98293	4.395	ug/L	99
5) Vinyl chloride	1.599	62	97047	4.504	ug/L	97
6) Bromomethane	1.853	94	55511	5.090	ug/L	98
8) Chloroethane	1.930	64	64299	4.885	ug/L	94
9) Trichlorofluoromethane	2.133	101	157304	5.066	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	85038	4.613	ug/L	100
12) 1,1-Dichloroethene	2.573	96	83052	4.912	ug/L	92
13) Acetone	2.637	43	120973	34.481	ug/L	97
14) Carbon disulfide	2.789	76	242404	4.406	ug/L	98
15) Methyl Acetate	2.949	43	24537	3.930	ug/L	98
16) Methylene chloride	3.039	84	94697	4.232	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	204330	4.974	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	84708	4.870	ug/L	98
19) 1,1-Dichloroethane	3.862	63	175184	5.084	ug/L	97
21) 2-Butanone	4.705	43	195387	42.919	ug/L	94
22) cis-1,2-Dichloroethene	4.660	96	97410	4.938	ug/L	98
23) Bromochloromethane	4.968	128	41303	5.086	ug/L	97
25) Chloroform	5.081	83	179950	4.820	ug/L	98

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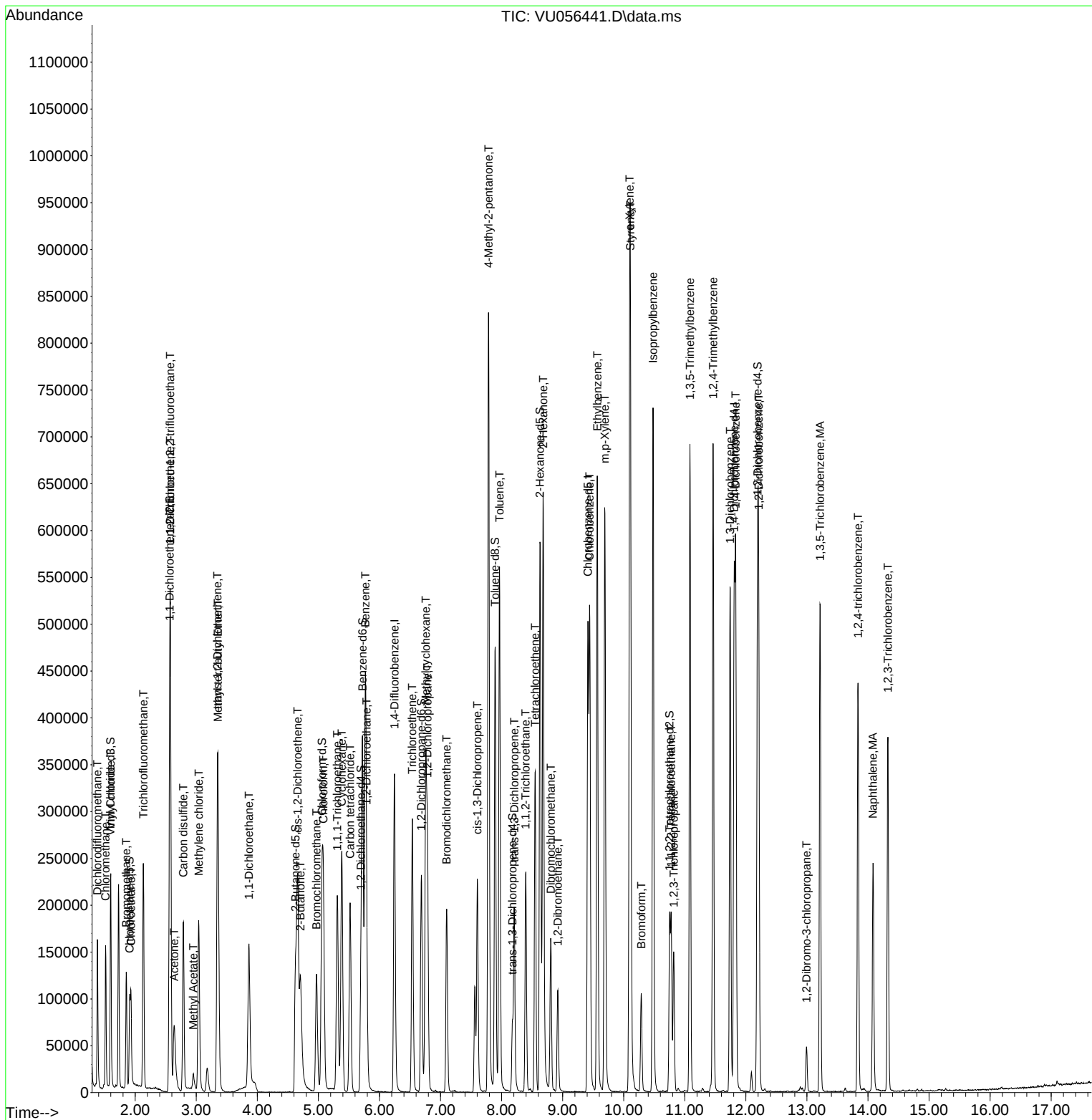
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 ClientSampleId :

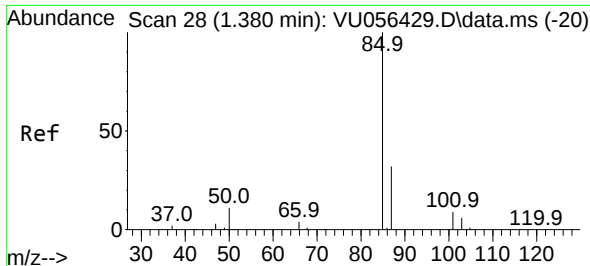
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	112299	5.298	ug/L #	94
29) 1,1,1-Trichloroethane	5.309	97	158429	5.051	ug/L	100
30) Cyclohexane	5.383	56	127225	4.274	ug/L	98
31) Carbon tetrachloride	5.518	117	142500	5.290	ug/L	97
33) Benzene	5.769	78	396452	5.085	ug/L	100
34) Trichloroethene	6.538	95	102674	4.833	ug/L	96
35) Methylcyclohexane	6.759	83	130922	4.269	ug/L	97
37) 1,2-Dichloropropane	6.785	63	101446	4.989	ug/L	99
38) Bromodichloromethane	7.100	83	131643	5.015	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	138794	4.646	ug/L	95
40) 4-Methyl-2-pentanone	7.785	43	526525	52.241	ug/L	99
42) Toluene	7.965	91	418887	5.190	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	113983	4.786	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	74962	5.536	ug/L	92
47) Tetrachloroethene	8.550	164	75112	5.244	ug/L	99
48) 2-Hexanone	8.679	43	405471	51.641	ug/L	98
49) Dibromochloromethane	8.804	129	83876	5.447	ug/L	100
50) 1,2-Dibromoethane	8.920	107	68357	5.347	ug/L	92
51) Chlorobenzene	9.441	112	272900	5.262	ug/L	98
52) Ethylbenzene	9.566	91	473370	5.281	ug/L	99
53) m,p-Xylene	9.689	106	181447	5.506	ug/L	98
54) o-Xylene	10.097	106	171396	5.355	ug/L	99
55) Styrene	10.110	104	300074	5.636	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	90631	5.482	ug/L	95
59) Bromoform	10.287	173	46379	5.417	ug/L	98
60) Isopropylbenzene	10.480	105	474858	5.357	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	63707	5.402	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	375058	5.153	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	380030	5.290	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	218714	5.424	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	212078	5.243	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	199377	5.389	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	13876	5.508	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	154485	5.089	ug/L	96
70) 1,2,4-trichlorobenzene	13.836	180	129952	5.255	ug/L	99
71) Naphthalene	14.081	128	199247	5.333	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	111969	5.497	ug/L	97

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

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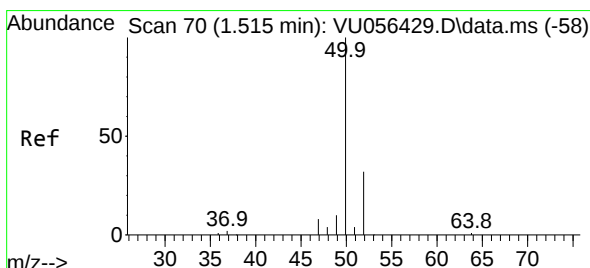
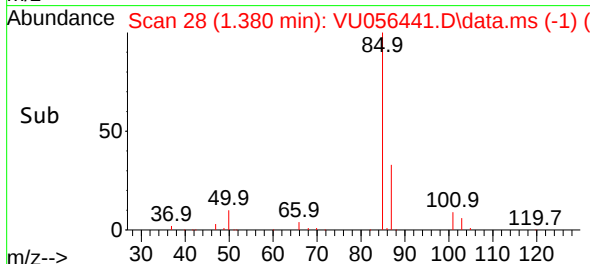
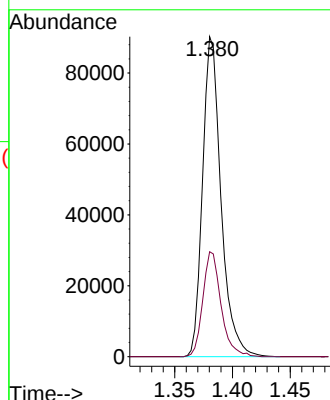
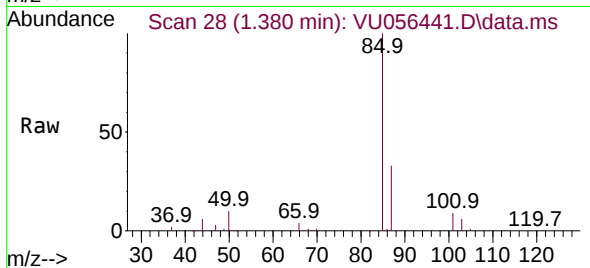




#2
 Dichlorodifluoromethane
 Concen: 4.586 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VU056441.D
 Acq: 17 Nov 2023 14:50

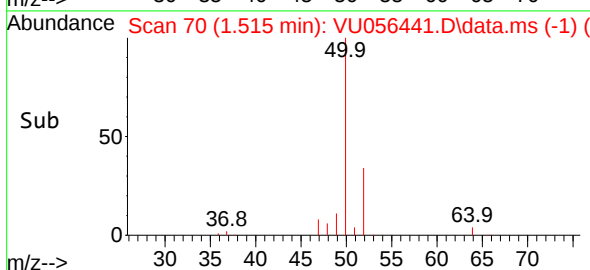
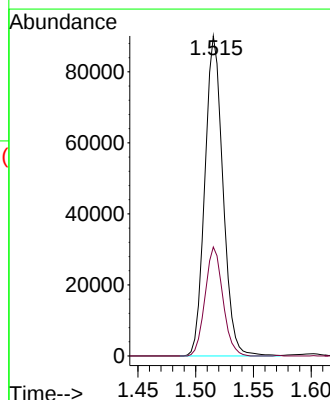
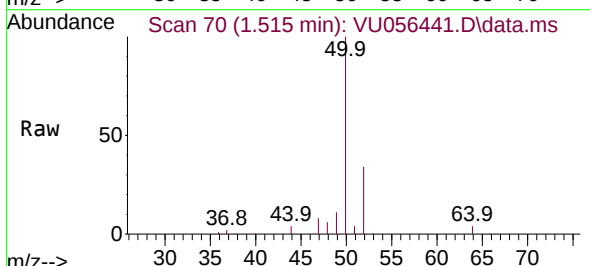
Instrument :
 MSVOA_U
 ClientSampleId :

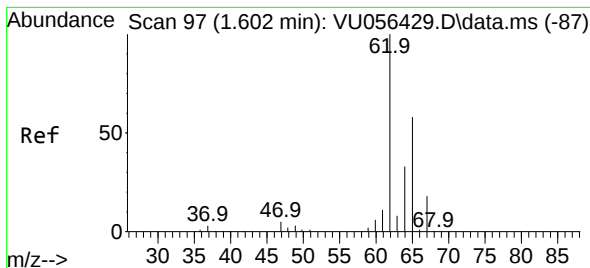
Tgt Ion: 85 Resp: 100363
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.0 37.4



#3
 Chloromethane
 Concen: 4.395 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU056441.D
 Acq: 17 Nov 2023 14:50

Tgt Ion: 50 Resp: 98293
 Ion Ratio Lower Upper
 50 100
 52 34.0 24.3 45.1





#5

Vinyl chloride

Concen: 4.504 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

Instrument :

MSVOA_U

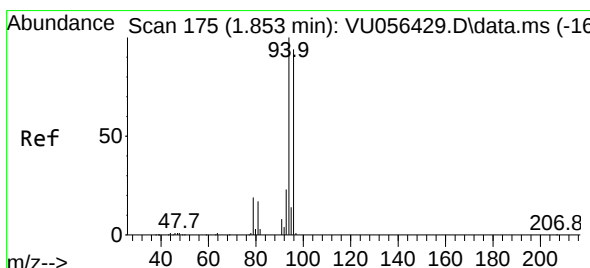
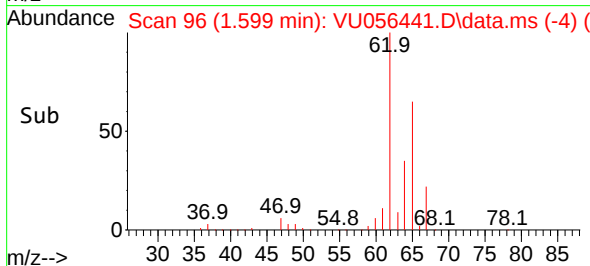
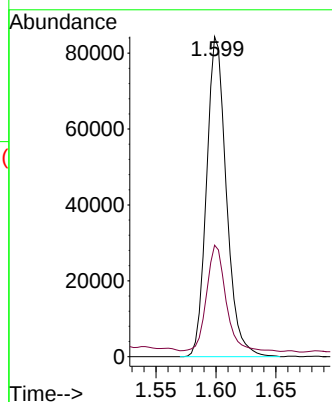
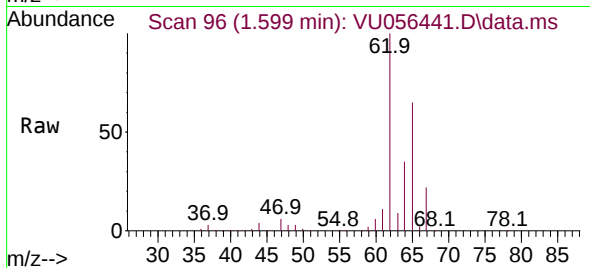
ClientSampleId :

Tgt Ion: 62 Resp: 97047

Ion Ratio Lower Upper

62 100

64 34.8 23.3 43.3



#6

Bromomethane

Concen: 5.090 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.000 min

Lab File: VU056441.D

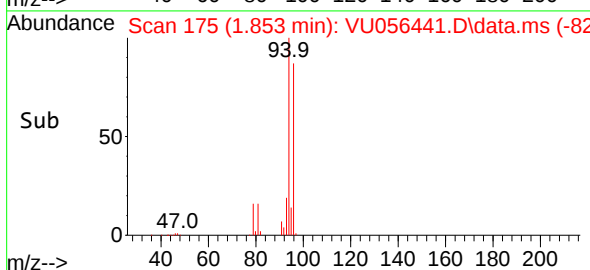
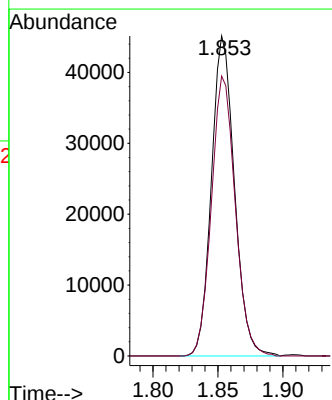
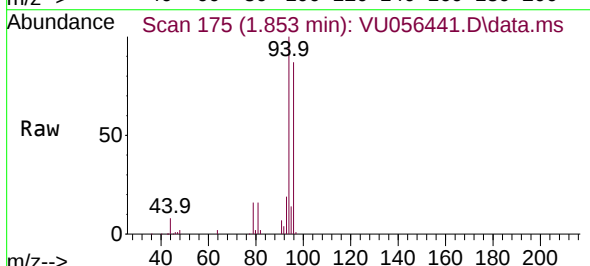
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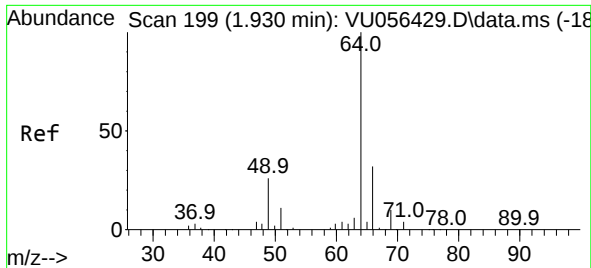
Tgt Ion: 94 Resp: 55511

Ion Ratio Lower Upper

94 100

96 87.5 62.6 116.2





#8

Chloroethane

Concen: 4.885 ug/L

RT: 1.930 min Scan# 199

Delta R.T. -0.000 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

Instrument :

MSVOA_U

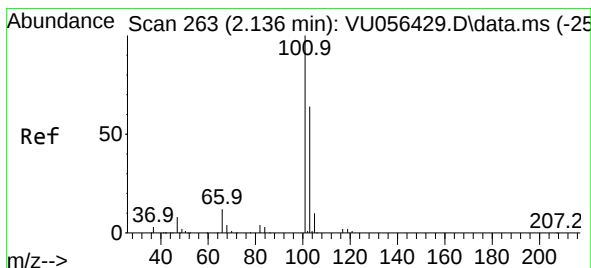
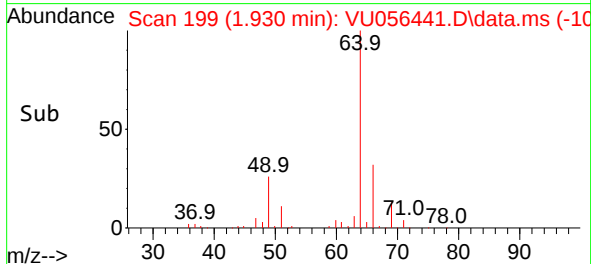
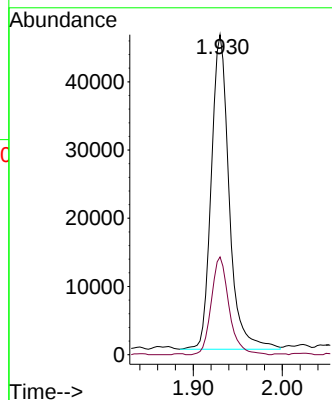
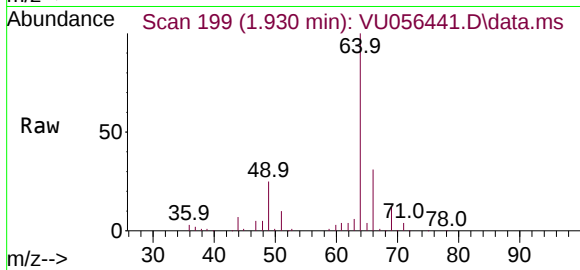
ClientSampleId :

Tgt Ion: 64 Resp: 64299

Ion Ratio Lower Upper

64 100

66 30.5 23.9 44.5



#9

Trichlorofluoromethane

Concen: 5.066 ug/L

RT: 2.133 min Scan# 262

Delta R.T. -0.003 min

Lab File: VU056441.D

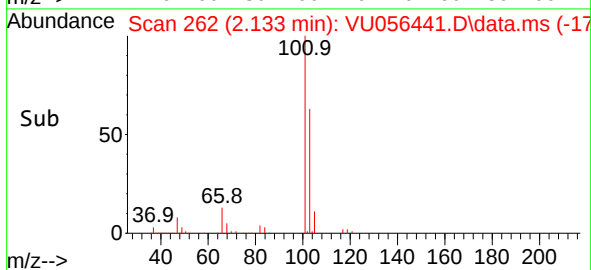
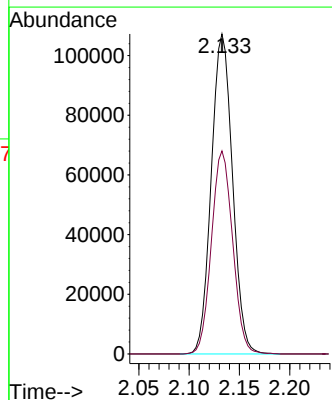
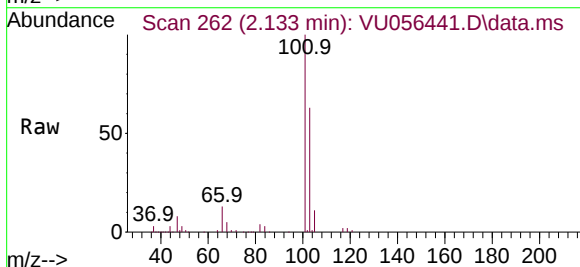
Acq: 17 Nov 2023 14:50

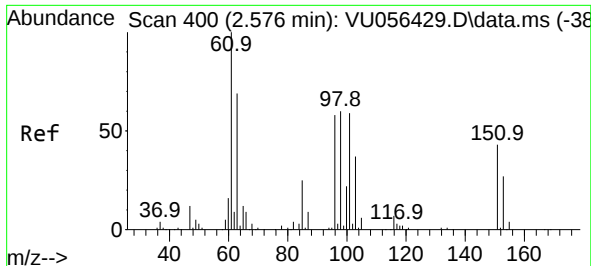
Tgt Ion:101 Resp: 157304

Ion Ratio Lower Upper

101 100

103 63.5 52.0 78.0

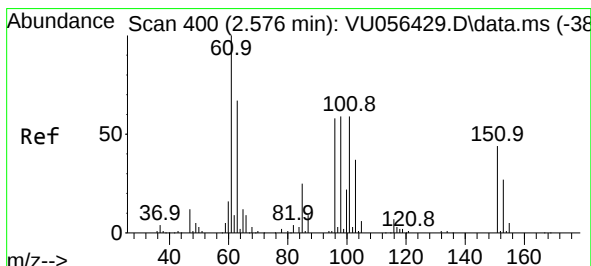
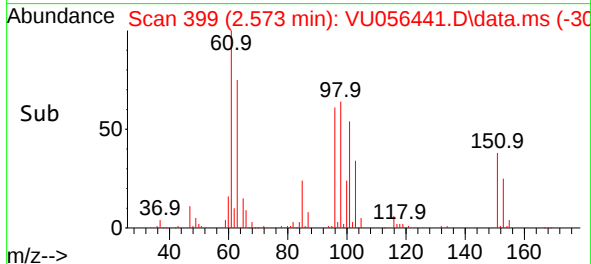
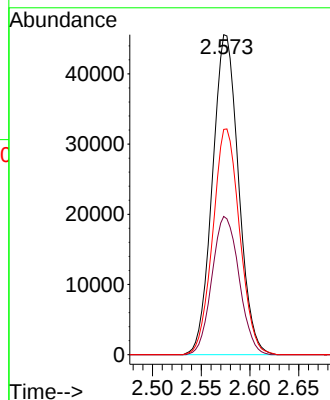
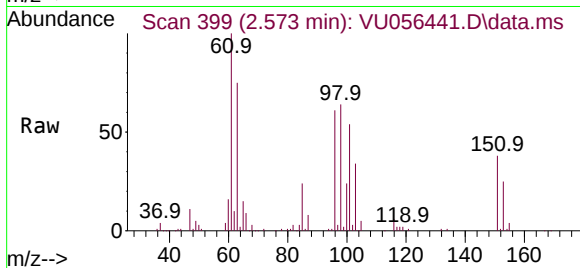




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.613 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU056441.D
 Acq: 17 Nov 2023 14:50

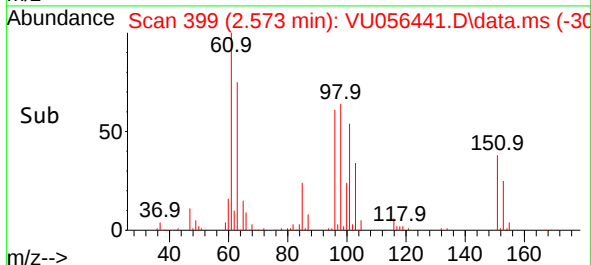
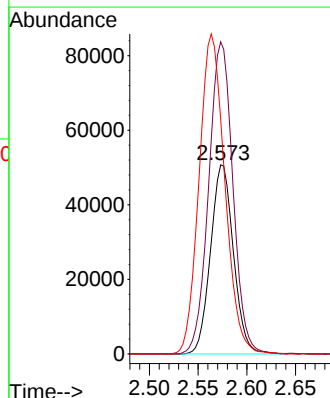
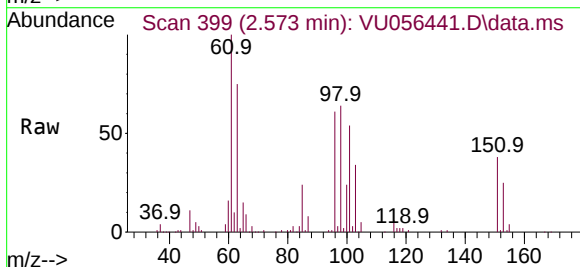
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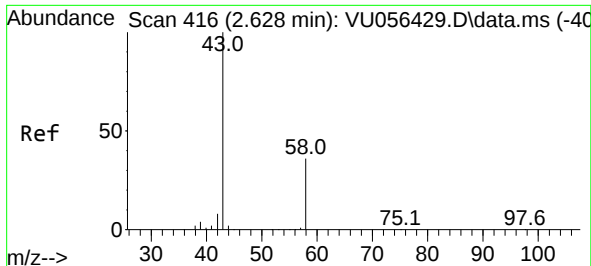
Tgt Ion:101 Resp: 85038
 Ion Ratio Lower Upper
 101 100
 85 44.8 35.4 53.0
 151 72.7 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 4.912 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU056441.D
 Acq: 17 Nov 2023 14:50

Tgt Ion: 96 Resp: 83052
 Ion Ratio Lower Upper
 96 100
 61 165.0 123.1 228.7
 63 124.2 93.3 173.3





#13

Acetone

Concen: 34.481 ug/L

RT: 2.637 min Scan# 416

Delta R.T. 0.010 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

Instrument :

MSVOA_U

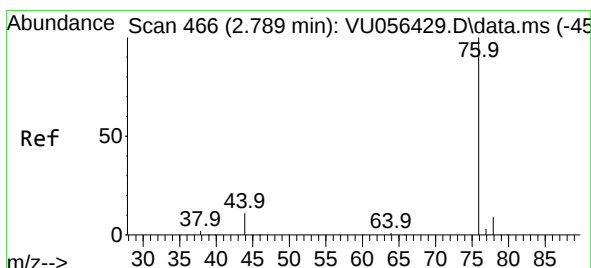
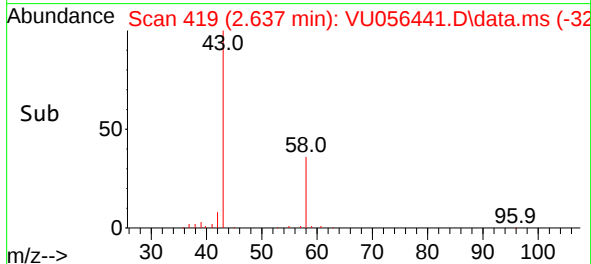
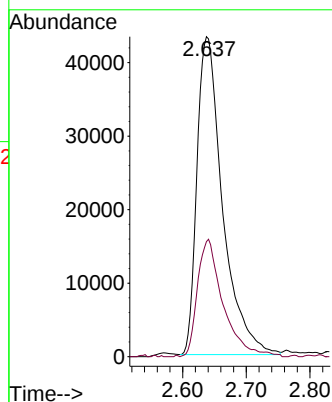
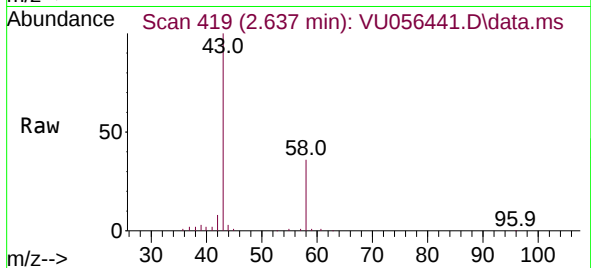
ClientSampleId :

Tgt Ion: 43 Resp: 120973

Ion Ratio Lower Upper

43 100

58 36.9 0.0 70.0



#14

Carbon disulfide

Concen: 4.406 ug/L

RT: 2.789 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056441.D

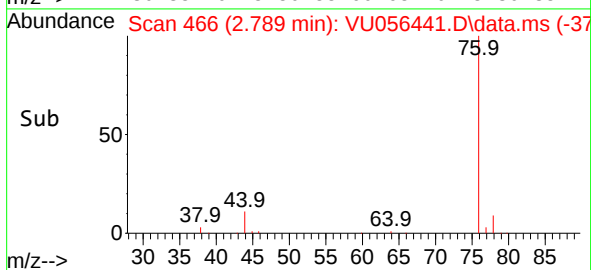
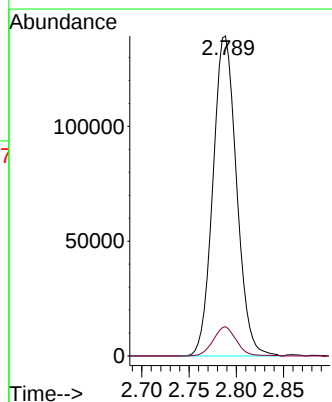
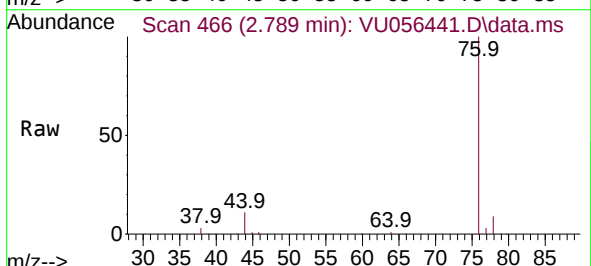
Acq: 17 Nov 2023 14:50

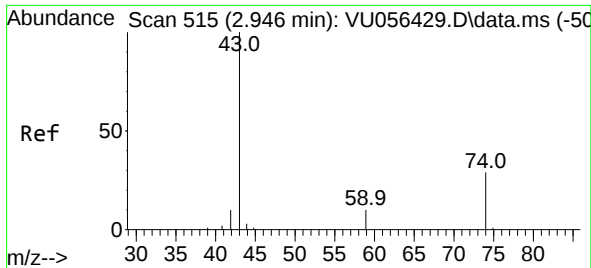
Tgt Ion: 76 Resp: 242404

Ion Ratio Lower Upper

76 100

78 9.2 6.8 10.2

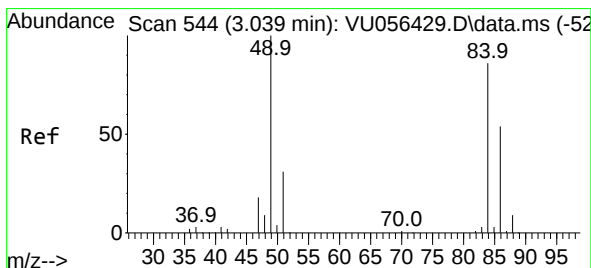
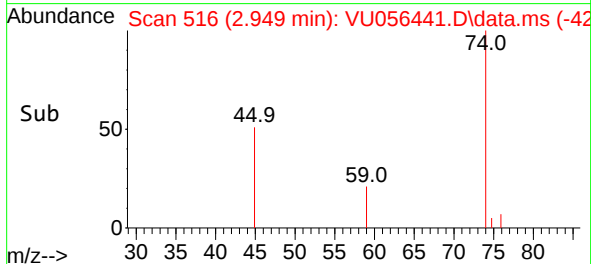
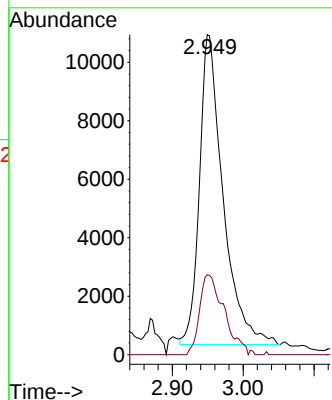
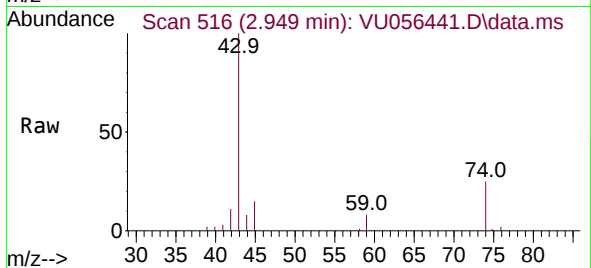




#15
Methyl Acetate
Concen: 3.930 ug/L
RT: 2.949 min Scan# 515
Delta R.T. 0.003 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

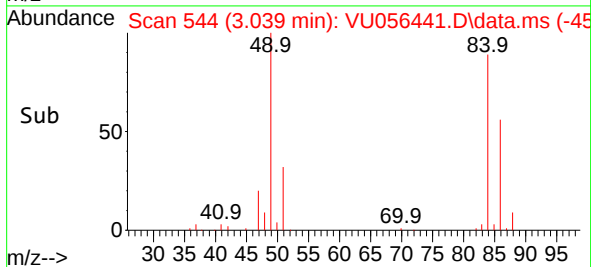
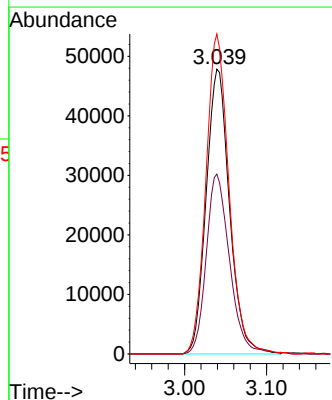
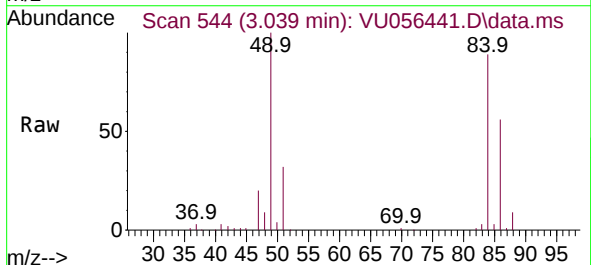
Instrument :
MSVOA_U
ClientSampleId :

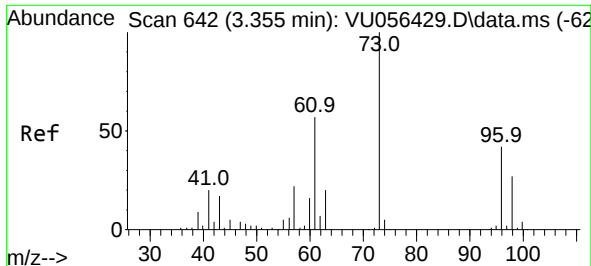
Tgt Ion: 43 Resp: 24537
Ion Ratio Lower Upper
43 100
74 26.9 20.6 31.0



#16
Methylene chloride
Concen: 4.232 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

Tgt Ion: 84 Resp: 94697
Ion Ratio Lower Upper
84 100
86 63.1 44.7 83.1
49 112.3 81.8 152.0

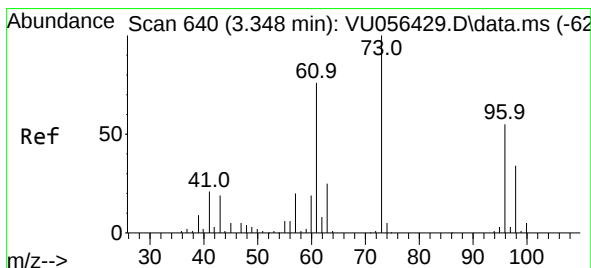
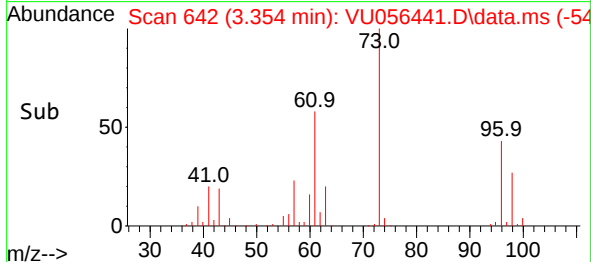
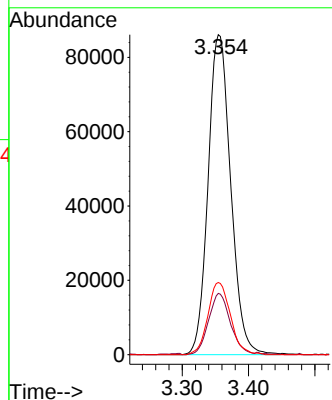
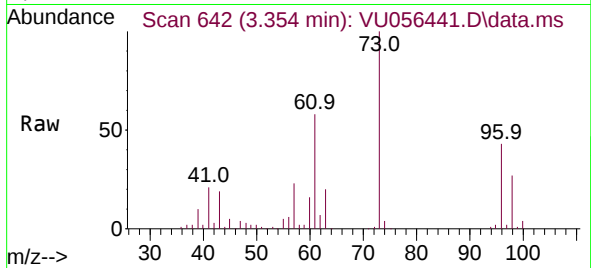




#17
Methyl tert-butyl Ether
Concen: 4.974 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

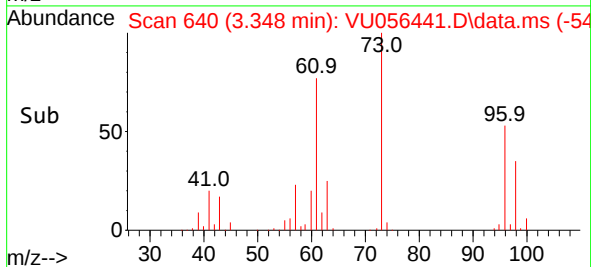
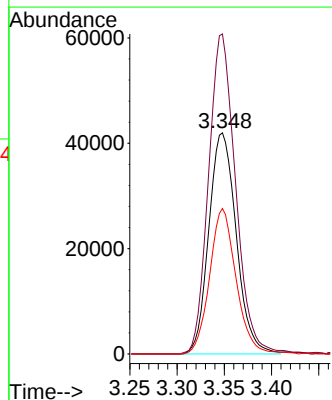
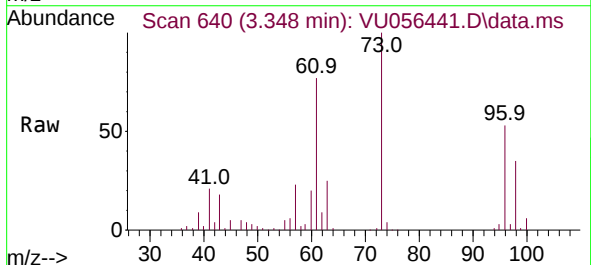
Instrument :
MSVOA_U
ClientSampleId :

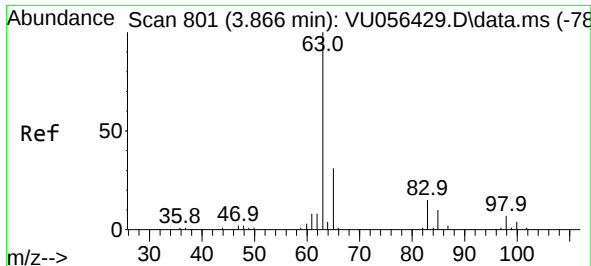
Tgt Ion: 73 Resp: 204330
Ion Ratio Lower Upper
73 100
43 18.5 15.1 22.7
57 22.4 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.870 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

Tgt Ion: 96 Resp: 84708
Ion Ratio Lower Upper
96 100
61 144.7 101.7 188.9
98 65.7 43.0 80.0

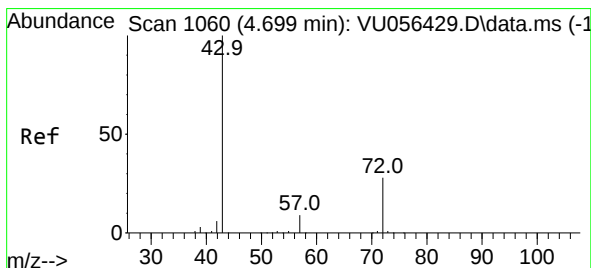
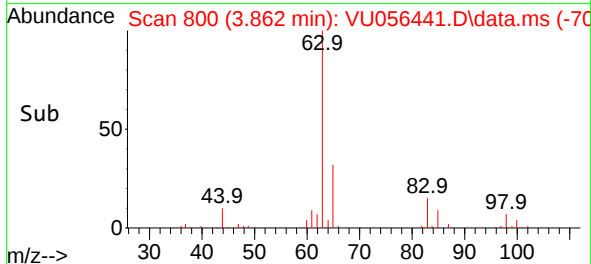
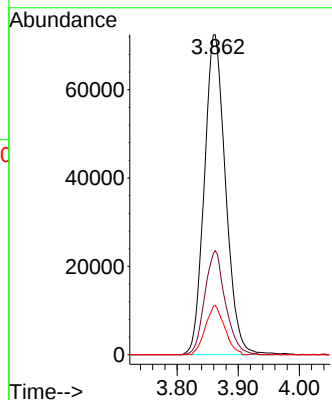
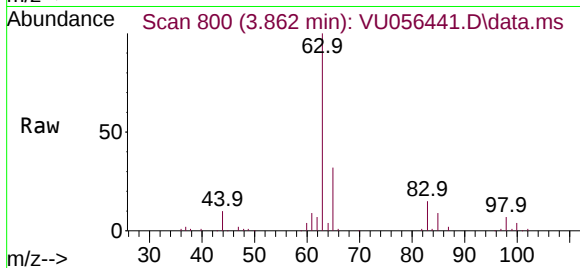




#19
1,1-Dichloroethane
Concen: 5.084 ug/L
RT: 3.862 min Scan# 801
Delta R.T. -0.003 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

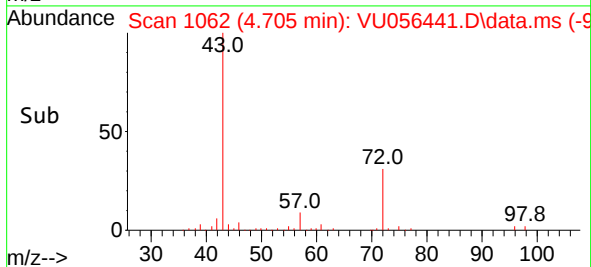
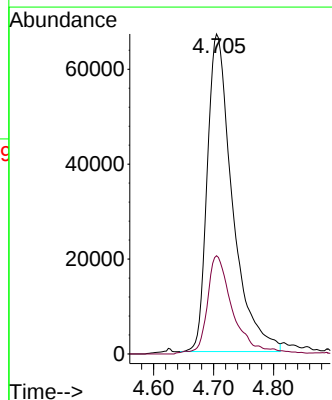
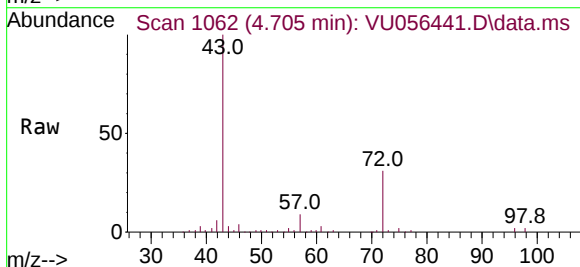
Instrument :
MSVOA_U
ClientSampleId :

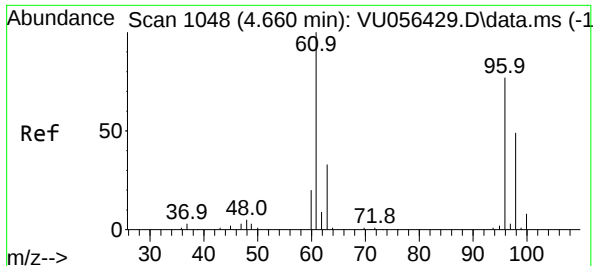
Tgt Ion: 63 Resp: 175184
Ion Ratio Lower Upper
63 100
65 32.5 21.8 40.6
83 15.4 9.7 17.9



#21
2-Butanone
Concen: 42.919 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. 0.006 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

Tgt Ion: 43 Resp: 195387
Ion Ratio Lower Upper
43 100
72 31.6 14.2 42.6

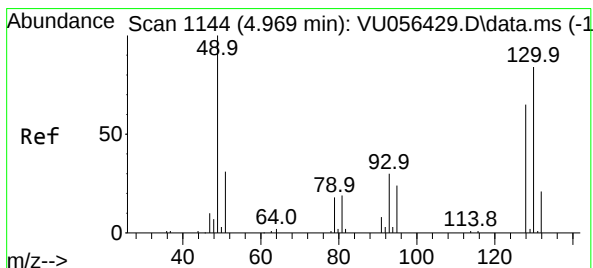
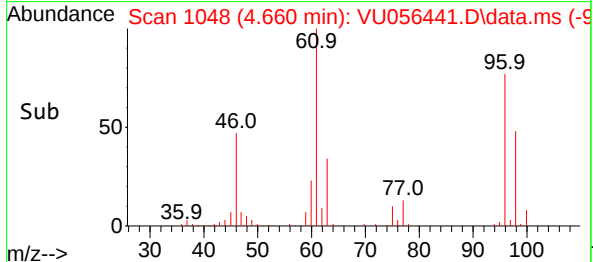
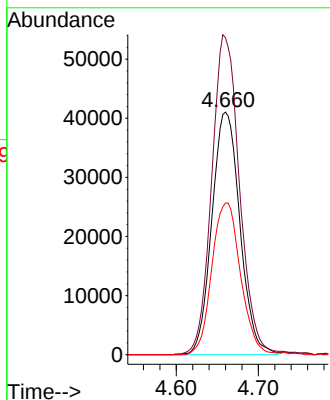
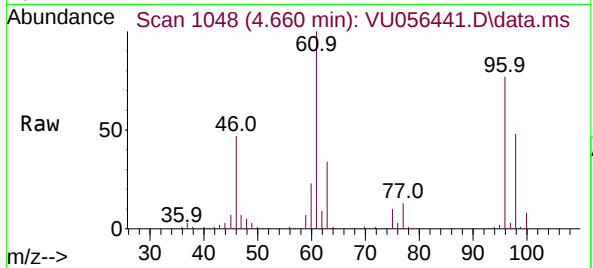




#22
 cis-1,2-Dichloroethene
 Concen: 4.938 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU056441.D
 Acq: 17 Nov 2023 14:50

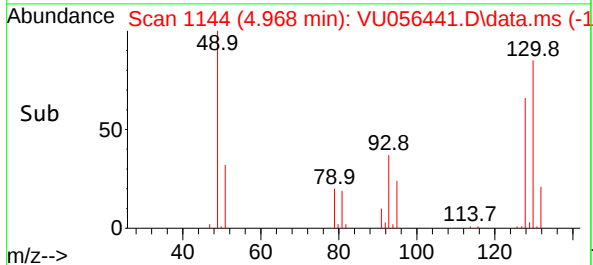
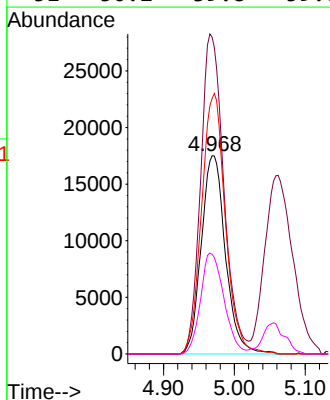
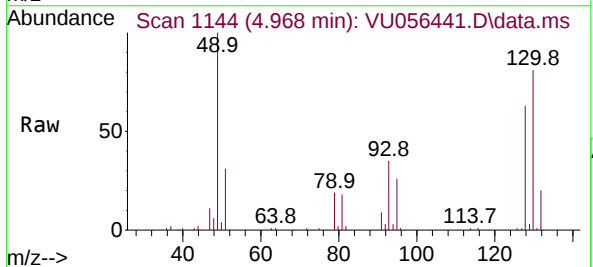
Instrument :
 MSVOA_U
 ClientSampleId :

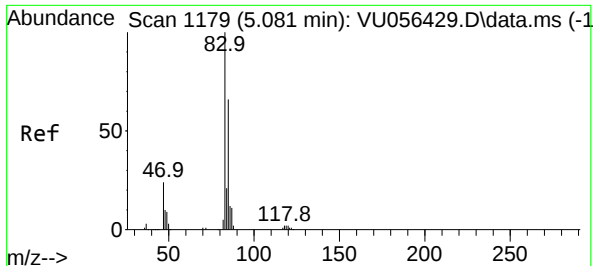
Tgt Ion: 96 Resp: 97410
 Ion Ratio Lower Upper
 96 100
 61 130.7 93.2 173.2
 98 62.5 44.8 83.2



#23
 Bromochloromethane
 Concen: 5.086 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.000 min
 Lab File: VU056441.D
 Acq: 17 Nov 2023 14:50

Tgt Ion: 128 Resp: 41303
 Ion Ratio Lower Upper
 128 100
 49 159.8 113.4 210.6
 130 128.9 84.8 157.6
 51 50.2 39.8 59.6





#25

Chloroform

Concen: 4.820 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

Instrument :

MSVOA_U

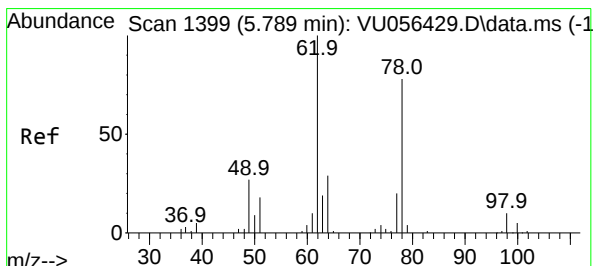
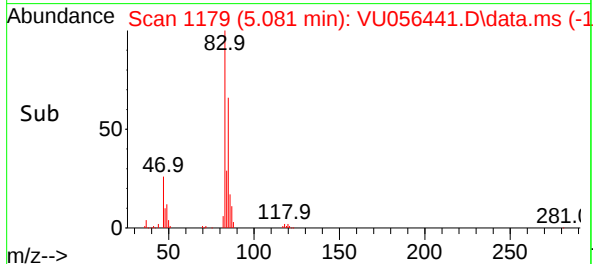
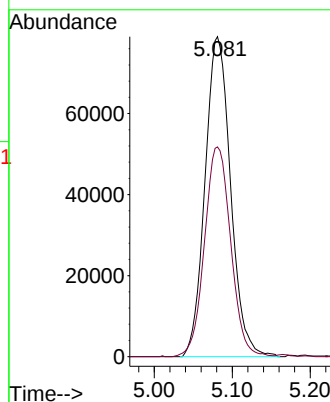
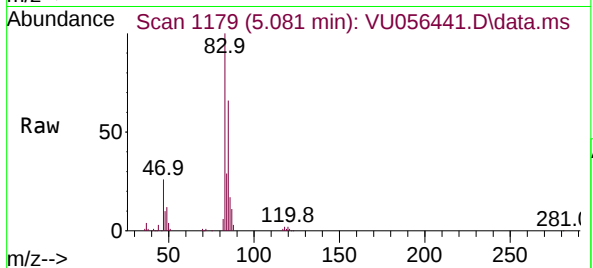
ClientSampleId :

Tgt Ion: 83 Resp: 179950

Ion Ratio Lower Upper

83 100

85 65.5 47.0 87.2



#27

1,2-Dichloroethane

Concen: 5.298 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056441.D

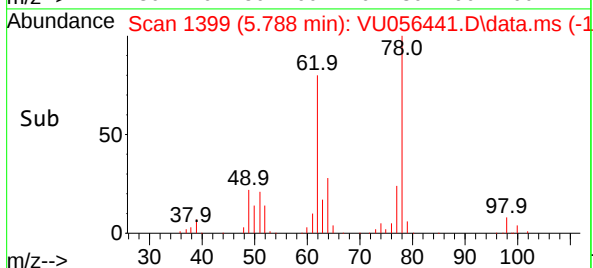
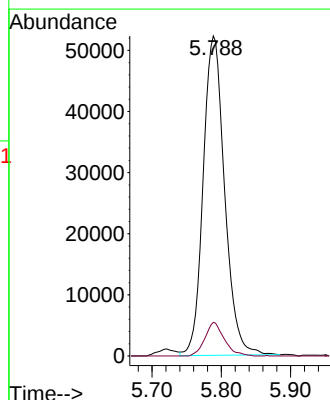
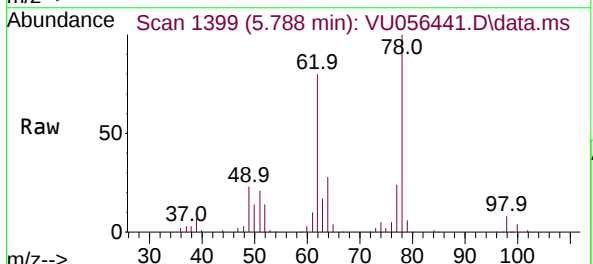
Acq: 17 Nov 2023 14:50

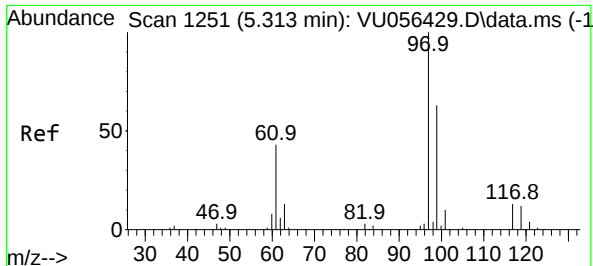
Tgt Ion: 62 Resp: 112299

Ion Ratio Lower Upper

62 100

98 10.5 6.6 10.0#





#29

1,1,1-Trichloroethane

Concen: 5.051 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

Instrument :

MSVOA_U

ClientSampleId :

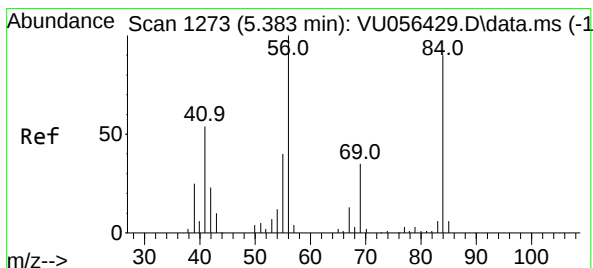
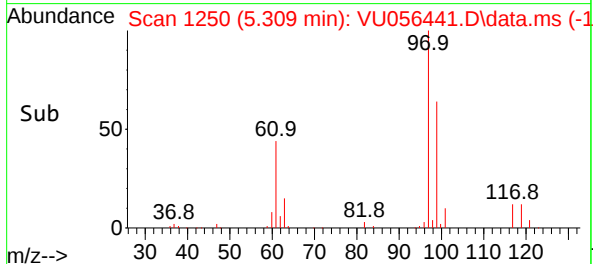
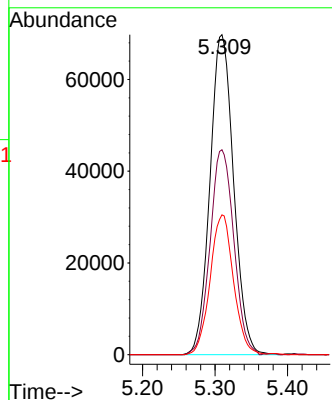
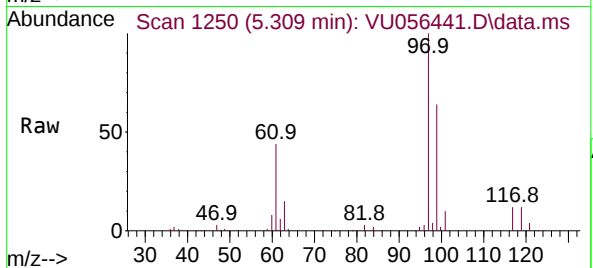
Tgt Ion: 97 Resp: 158429

Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 43.1 34.3 51.5



#30

Cyclohexane

Concen: 4.274 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

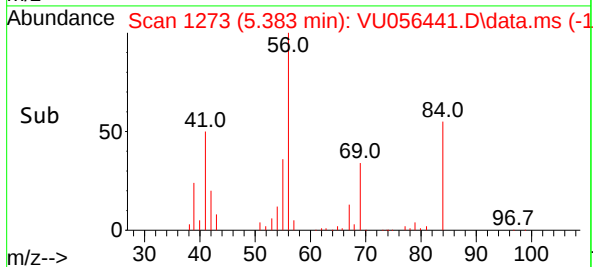
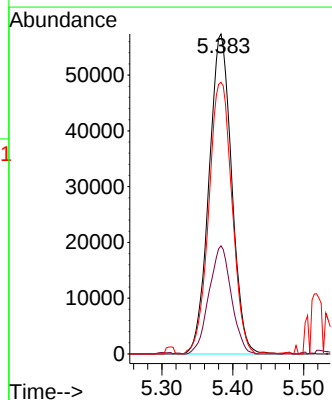
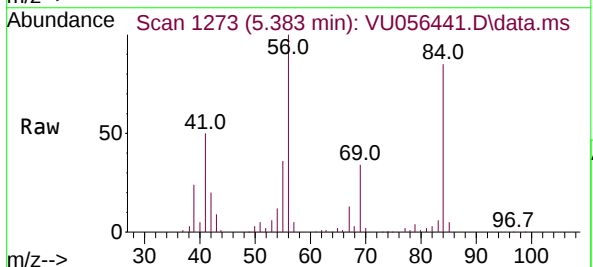
Tgt Ion: 56 Resp: 127225

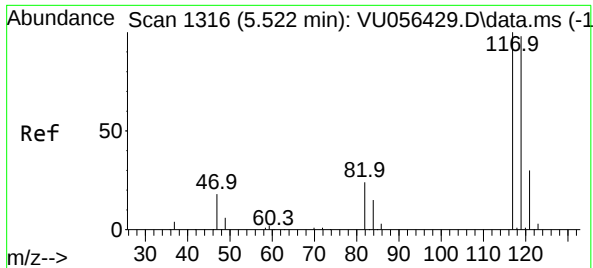
Ion Ratio Lower Upper

56 100

69 33.3 25.4 38.2

84 87.1 68.6 103.0

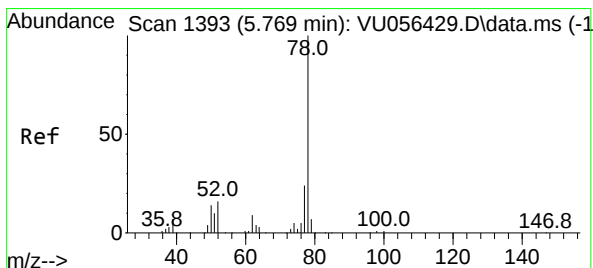
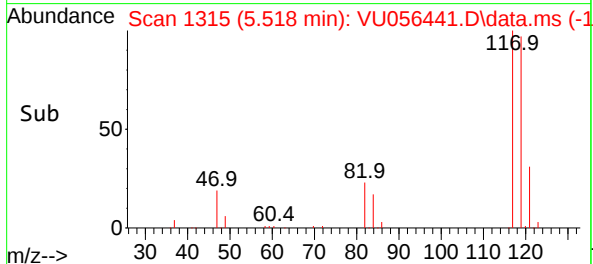
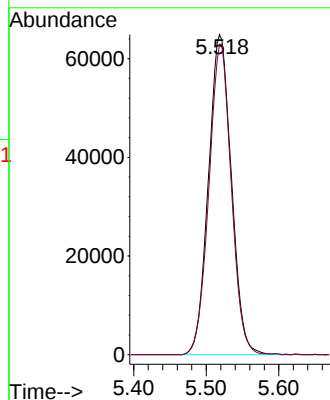
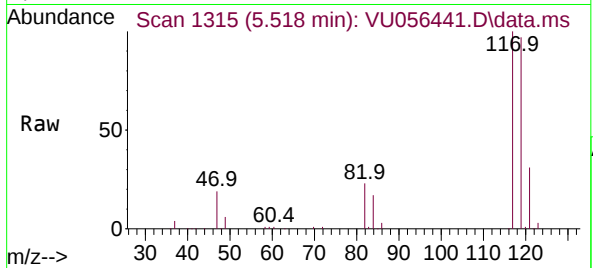




#31
Carbon tetrachloride
Concen: 5.290 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

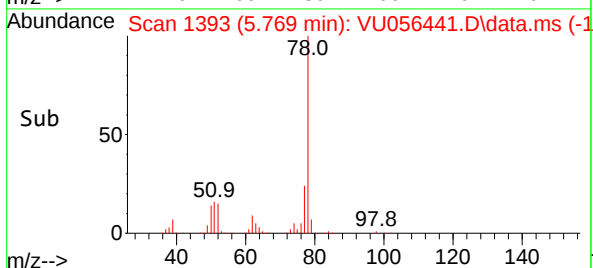
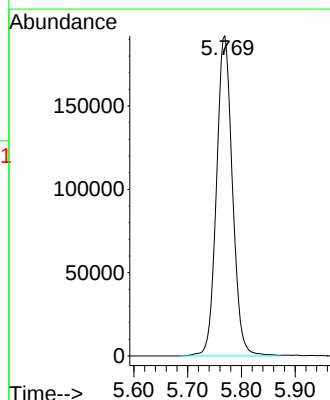
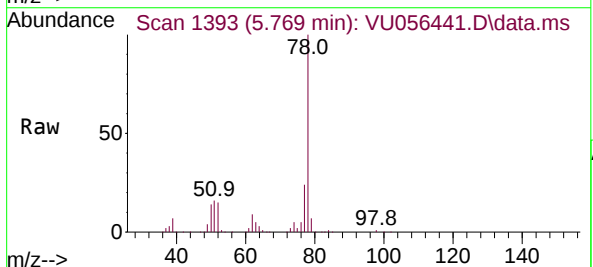
Instrument :
MSVOA_U
ClientSampleId :

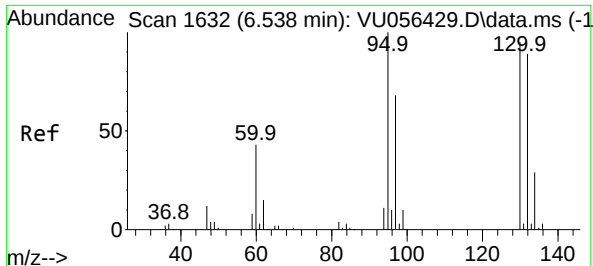
Tgt Ion:117 Resp: 142500
Ion Ratio Lower Upper
117 100
119 94.4 78.1 117.1



#33
Benzene
Concen: 5.085 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

Tgt Ion: 78 Resp: 396452





#34

Trichloroethene

Concen: 4.833 ug/L

RT: 6.538 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 102674

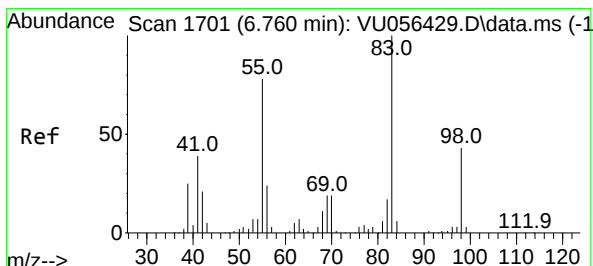
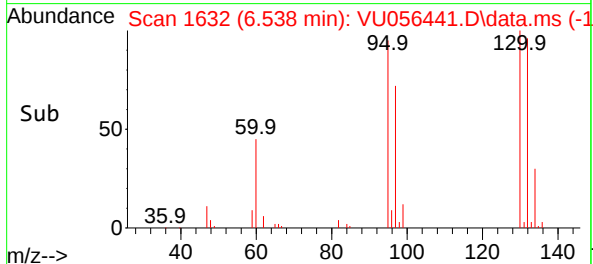
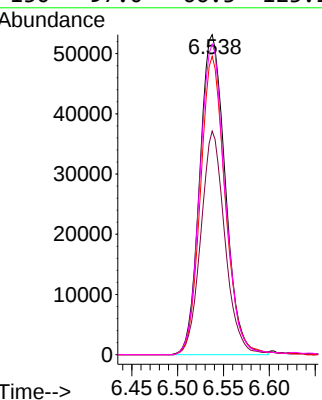
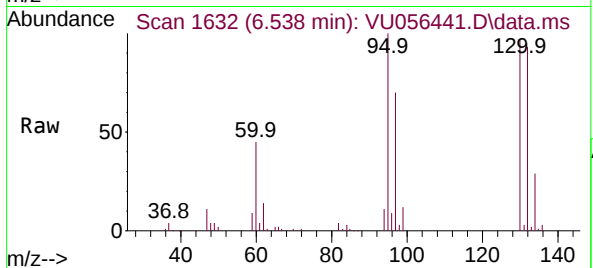
Ion Ratio Lower Upper

95 100

97 69.9 46.5 86.3

132 93.2 62.0 115.2

130 97.0 66.3 123.1



#35

Methylcyclohexane

Concen: 4.269 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

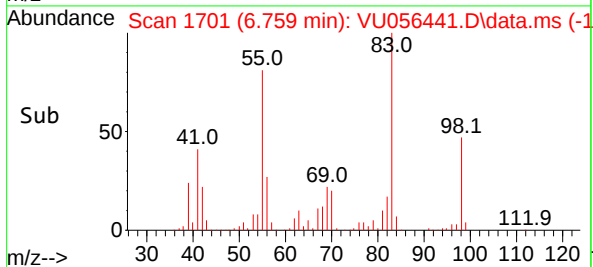
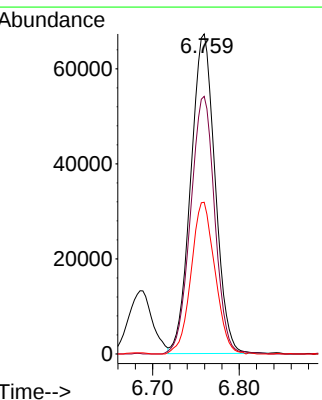
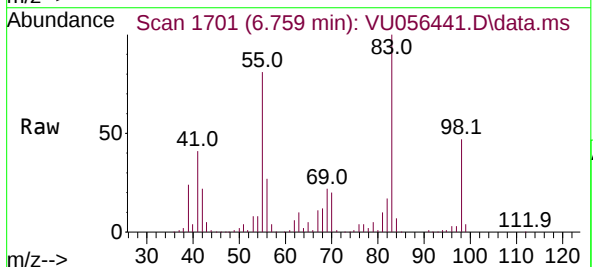
Tgt Ion: 83 Resp: 130922

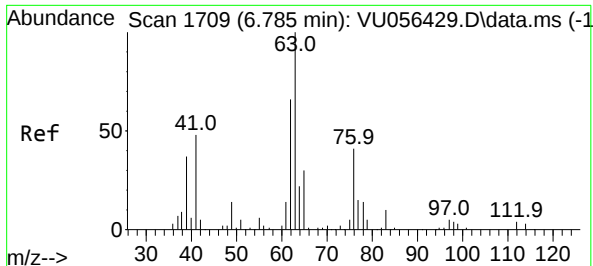
Ion Ratio Lower Upper

83 100

55 80.3 62.9 94.3

98 46.6 35.3 52.9

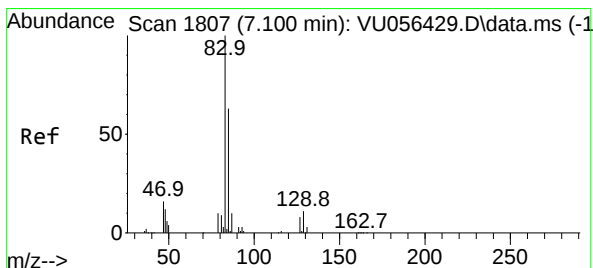
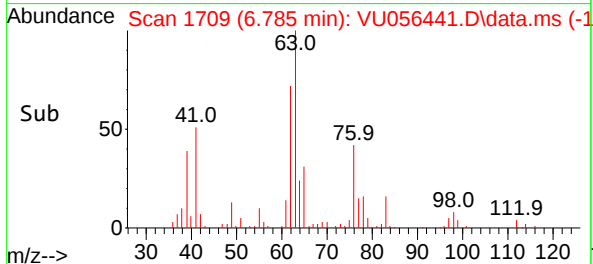
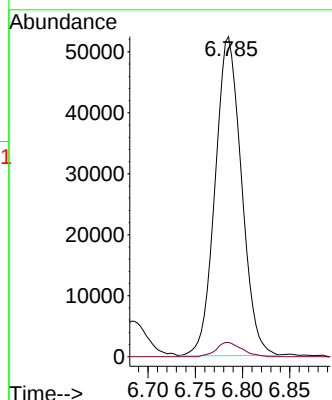
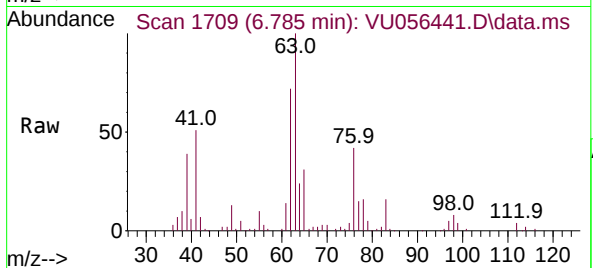




#37
1,2-Dichloropropane
Concen: 4.989 ug/L
RT: 6.785 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

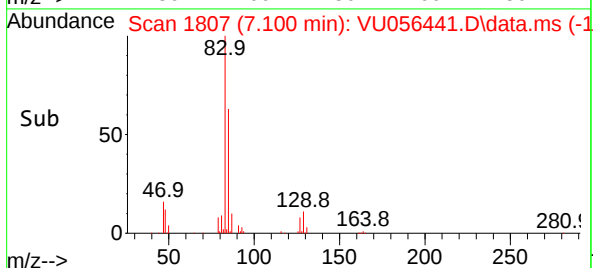
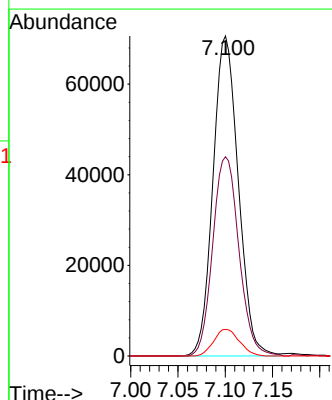
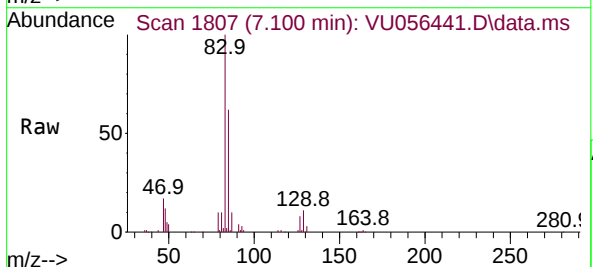
Instrument :
MSVOA_U
ClientSampleId :

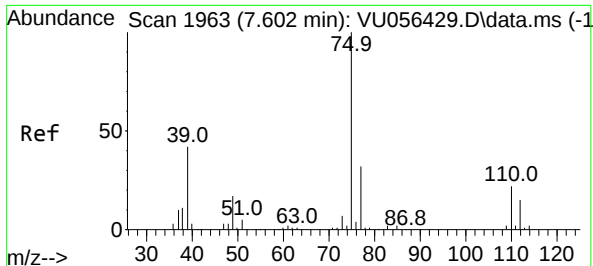
Tgt Ion: 63 Resp: 101446
Ion Ratio Lower Upper
63 100
112 4.3 3.2 4.8



#38
Bromodichloromethane
Concen: 5.015 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

Tgt Ion: 83 Resp: 131643
Ion Ratio Lower Upper
83 100
85 62.3 44.9 83.5
127 8.3 6.9 10.3

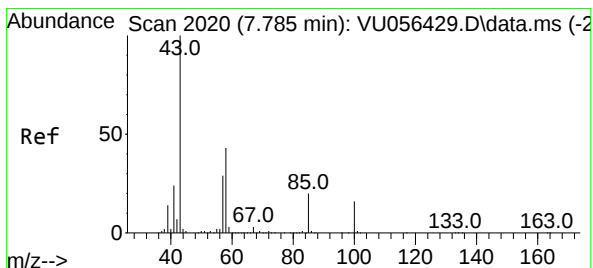
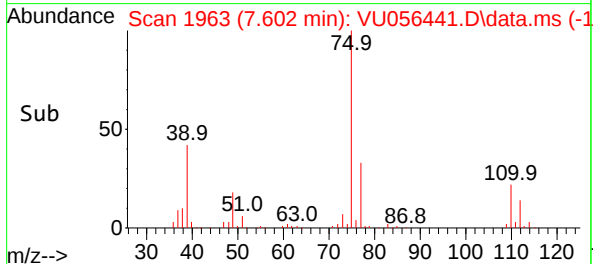
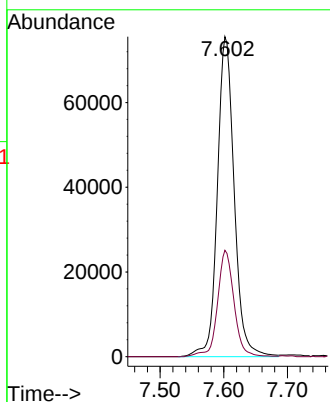
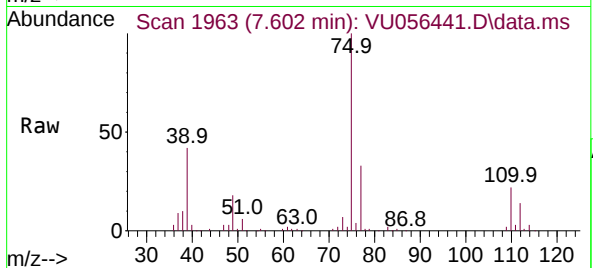




#39
 cis-1,3-Dichloropropene
 Concen: 4.646 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU056441.D
 Acq: 17 Nov 2023 14:50

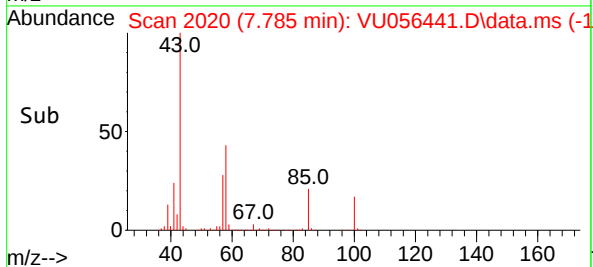
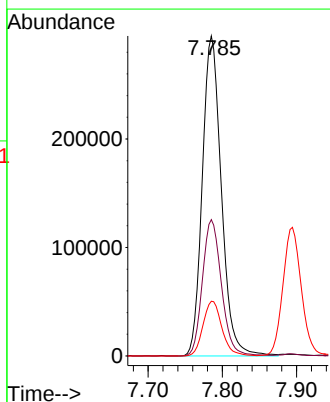
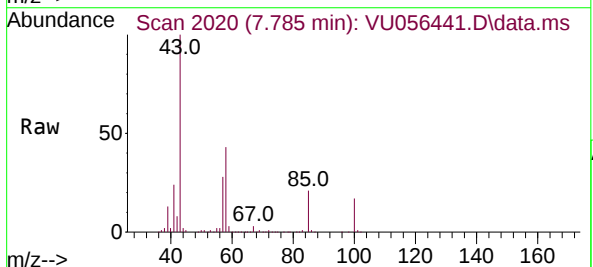
Instrument :
 MSVOA_U
 ClientSampleId :

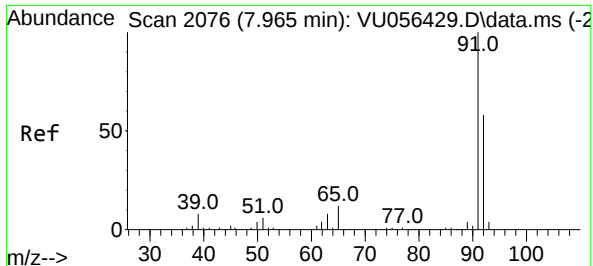
Tgt Ion: 75 Resp: 138794
 Ion Ratio Lower Upper
 75 100
 77 33.3 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 52.241 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. -0.000 min
 Lab File: VU056441.D
 Acq: 17 Nov 2023 14:50

Tgt Ion: 43 Resp: 526525
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.8 50.8
 100 17.0 13.0 19.4





#42

Toluene

Concen: 5.190 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

Instrument :

MSVOA_U

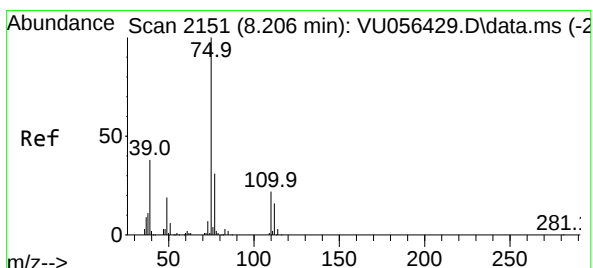
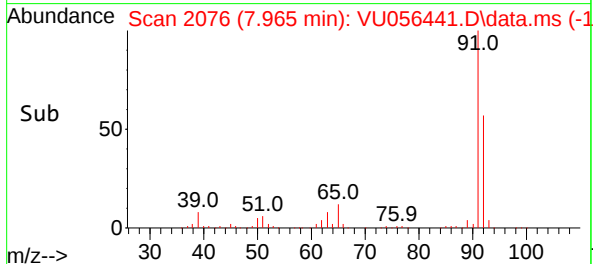
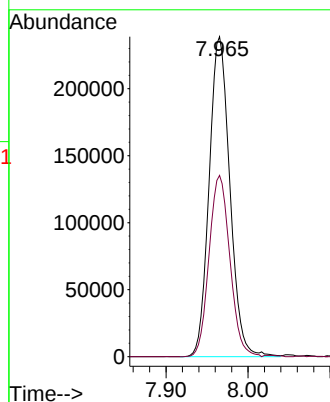
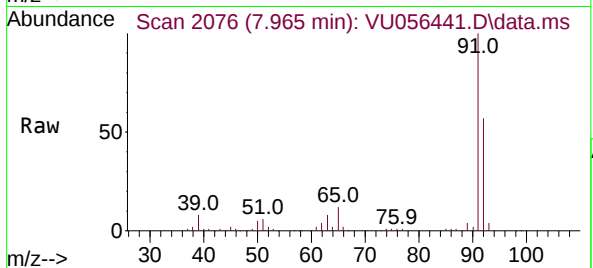
ClientSampleId :

Tgt Ion: 91 Resp: 418887

Ion Ratio Lower Upper

91 100

92 56.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 4.786 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056441.D

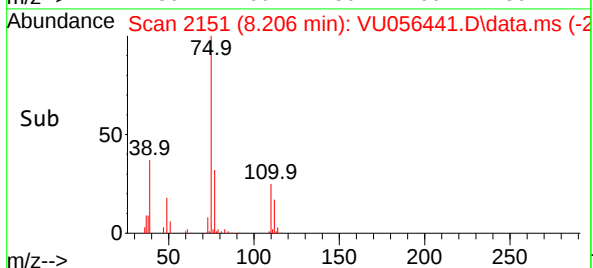
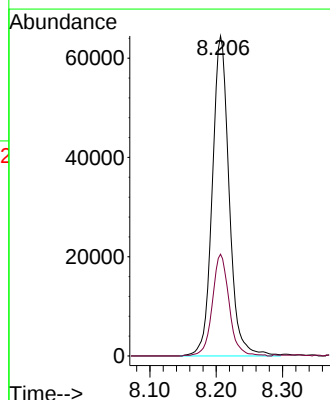
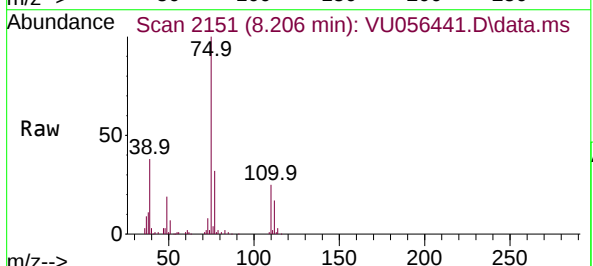
Acq: 17 Nov 2023 14:50

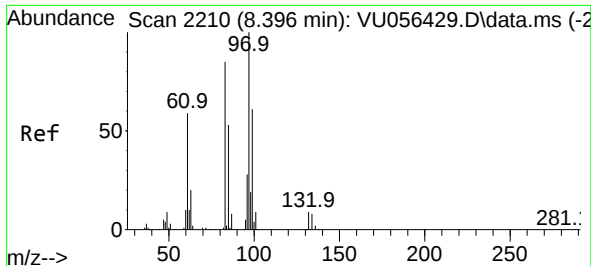
Tgt Ion: 75 Resp: 113983

Ion Ratio Lower Upper

75 100

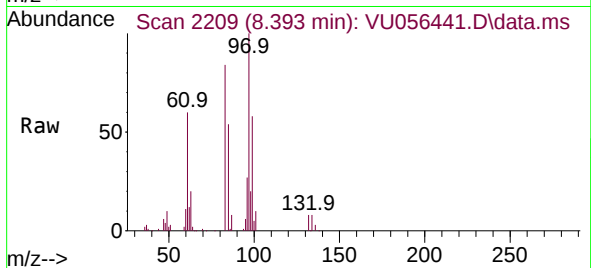
77 31.8 22.8 42.4



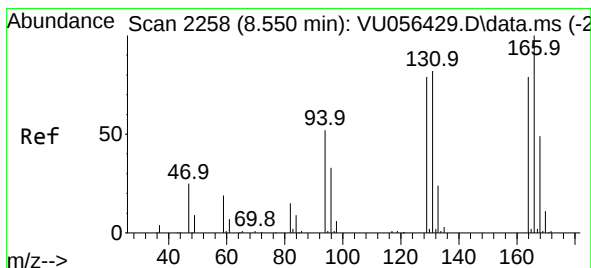
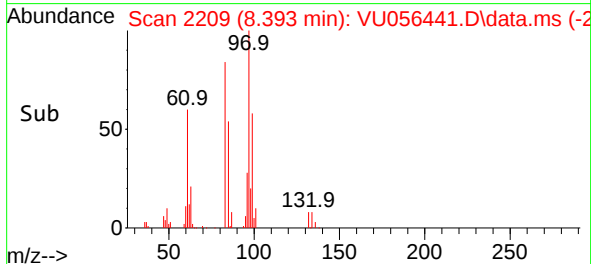
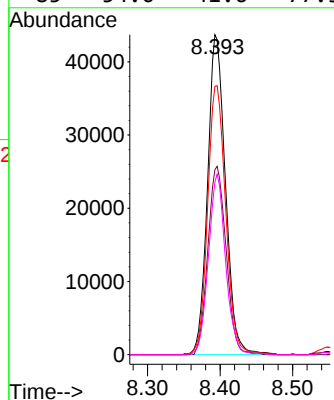


#45
1,1,2-Trichloroethane
Concen: 5.536 ug/L
RT: 8.393 min Scan# 2210
Delta R.T. -0.003 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

Instrument :
MSVOA_U
ClientSampleId :

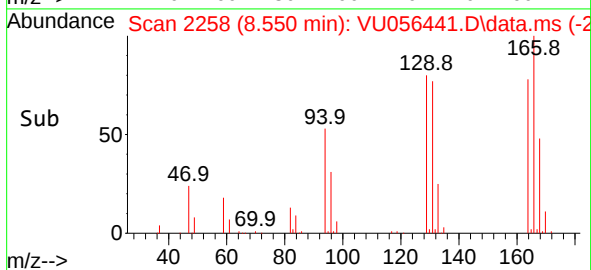
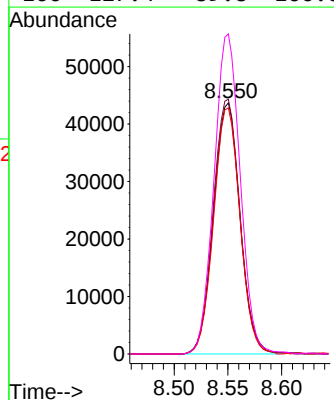
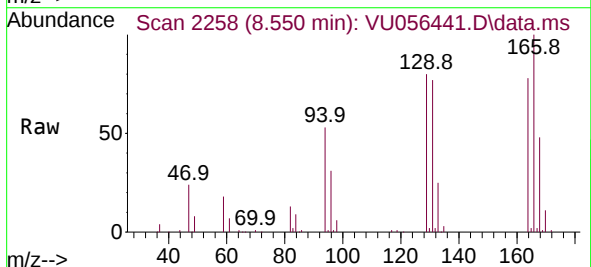


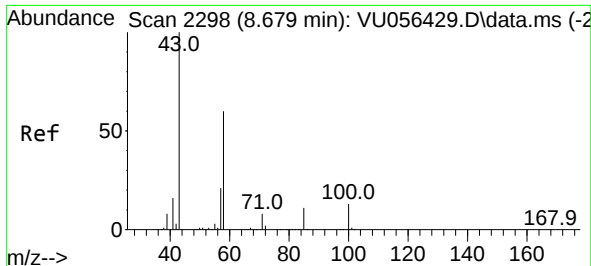
Tgt Ion: 97	Resp: 74962
Ion Ratio	Lower Upper
97 100	
99 57.8	44.3 82.3
83 83.9	65.4 121.4
85 54.0	41.6 77.3



#47
Tetrachloroethene
Concen: 5.244 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

Tgt	Ion:164	Resp:	75112
Ion	Ratio	Lower	Upper
164	100		
129	101.5	71.0	131.9
131	98.0	70.3	130.7
166	127.4	89.8	166.8

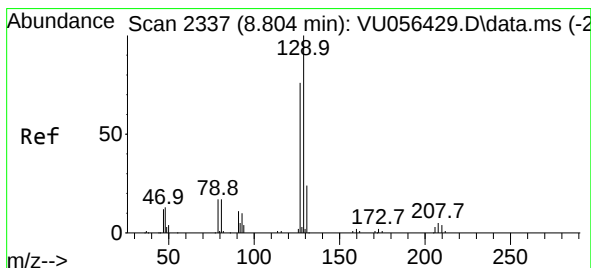
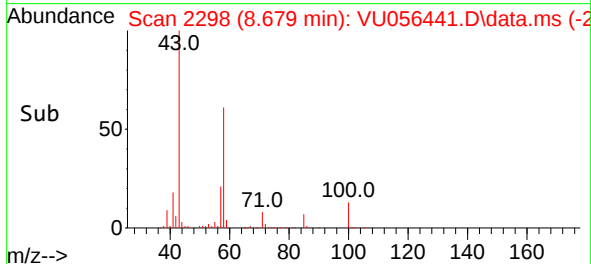
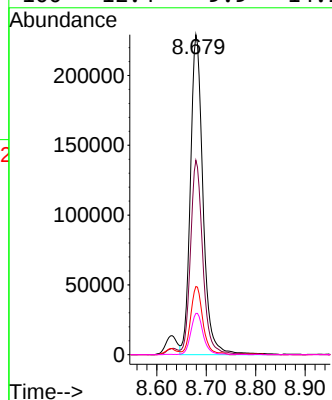
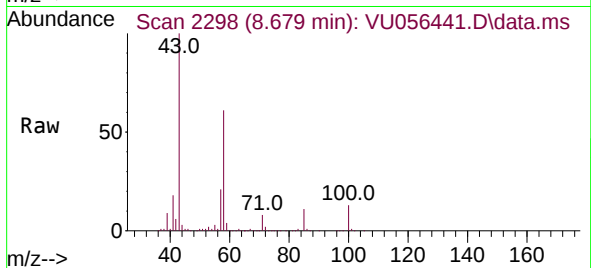




#48
2-Hexanone
Concen: 51.641 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

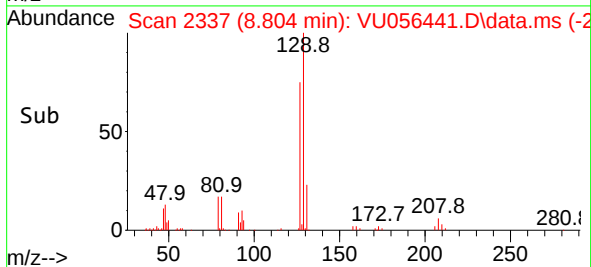
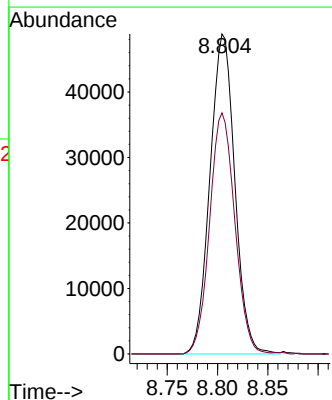
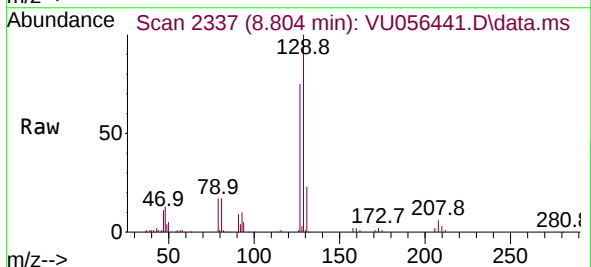
Instrument :
MSVOA_U
ClientSampleId :

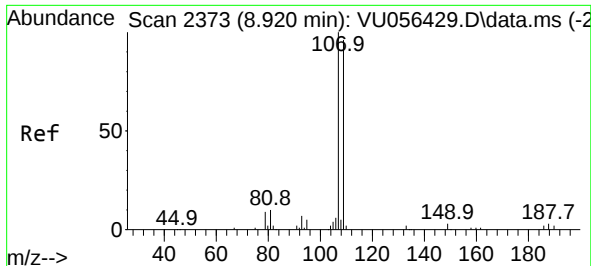
Tgt Ion: 43 Resp: 405471
Ion Ratio Lower Upper
43 100
58 58.4 48.7 73.1
57 20.8 16.8 25.2
100 12.4 9.9 14.9



#49
Dibromochloromethane
Concen: 5.447 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

Tgt Ion: 129 Resp: 83876
Ion Ratio Lower Upper
129 100
127 75.3 52.9 98.3





#50

1,2-Dibromoethane

Concen: 5.347 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

Instrument :

MSVOA_U

ClientSampleId :

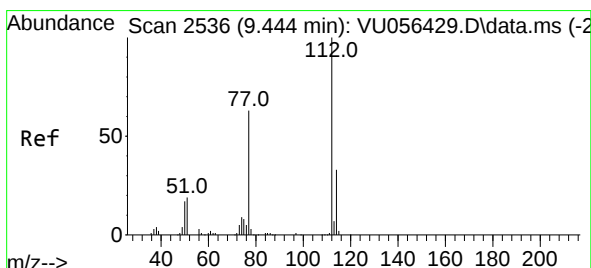
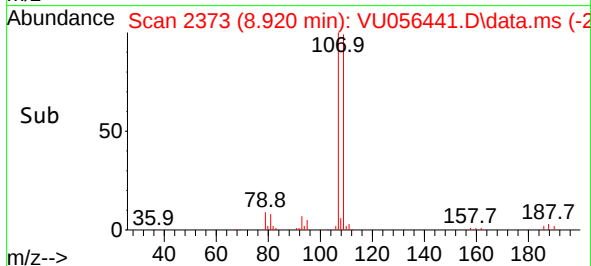
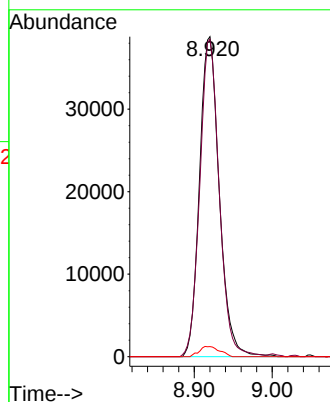
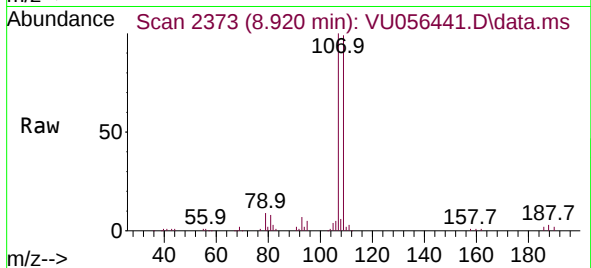
Tgt Ion:107 Resp: 68357

Ion Ratio Lower Upper

107 100

109 99.2 64.2 119.2

188 3.1 2.6 4.0



#51

Chlorobenzene

Concen: 5.262 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

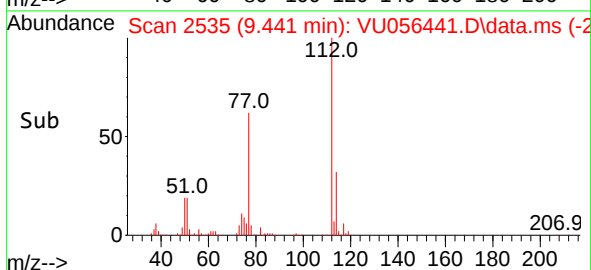
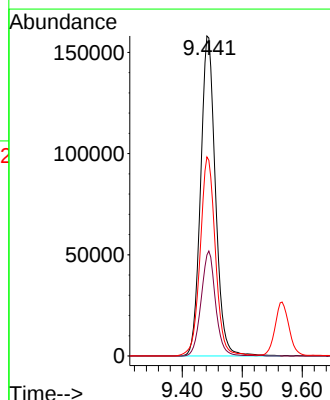
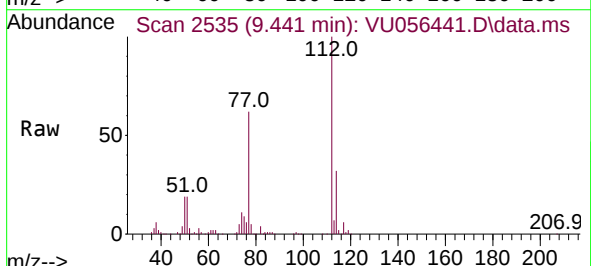
Tgt Ion:112 Resp: 272900

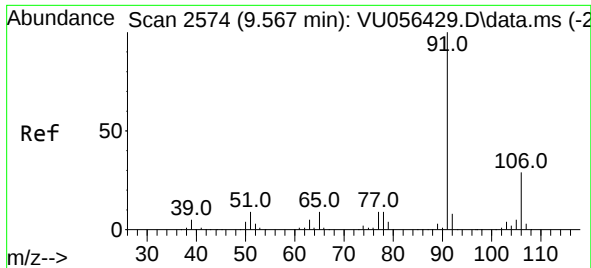
Ion Ratio Lower Upper

112 100

114 31.6 22.5 41.7

77 62.2 51.7 77.5

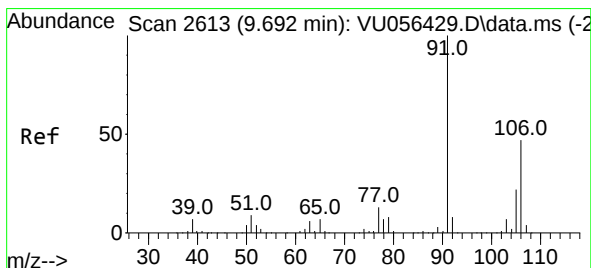
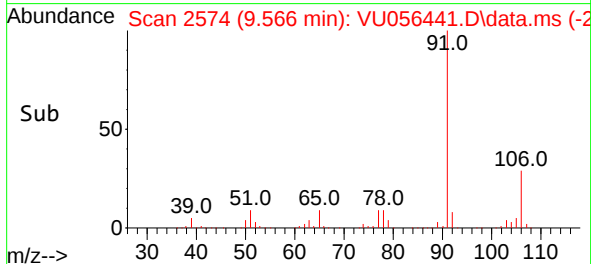
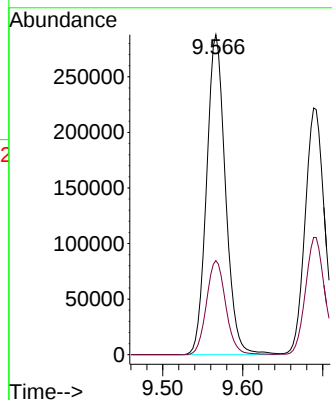
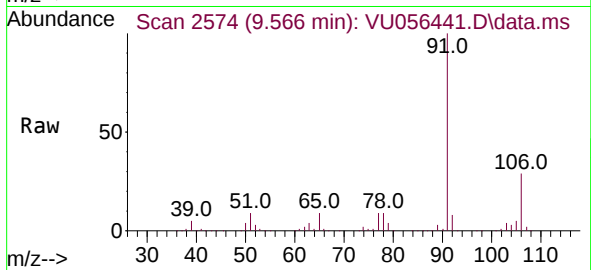




#52
Ethylbenzene
Concen: 5.281 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

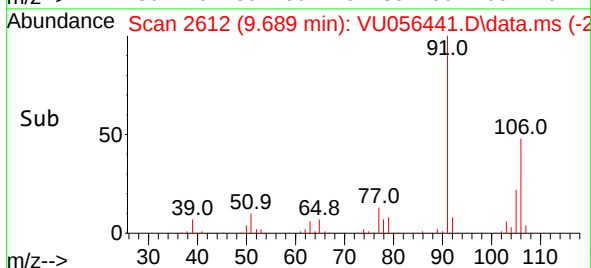
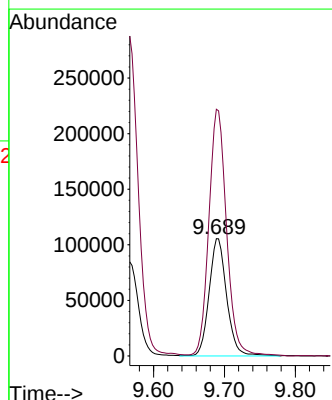
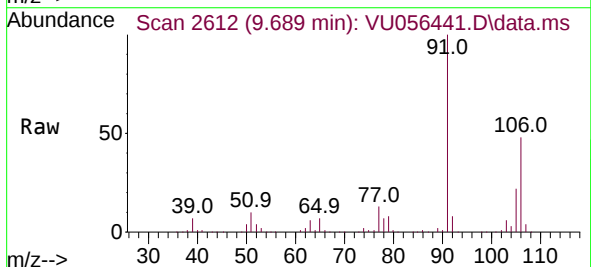
Instrument :
MSVOA_U
ClientSampleId :

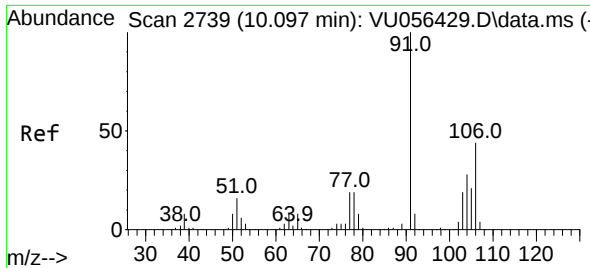
Tgt Ion: 91 Resp: 473370
Ion Ratio Lower Upper
91 100
106 29.4 21.1 39.1



#53
m,p-Xylene
Concen: 5.506 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

Tgt Ion:106 Resp: 181447
Ion Ratio Lower Upper
106 100
91 210.3 149.6 277.8

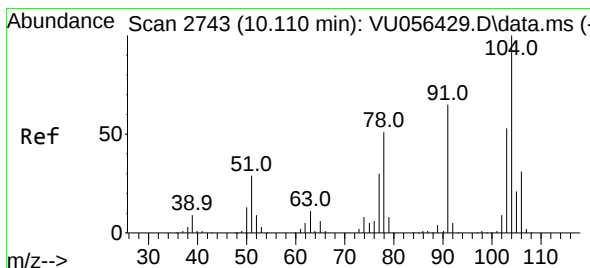
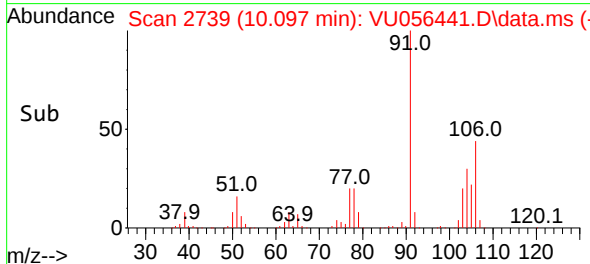
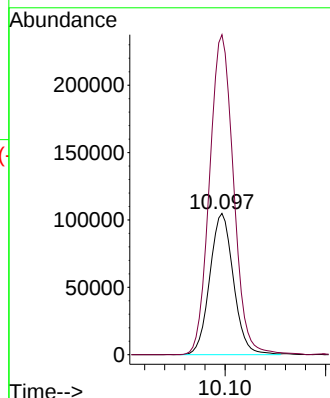
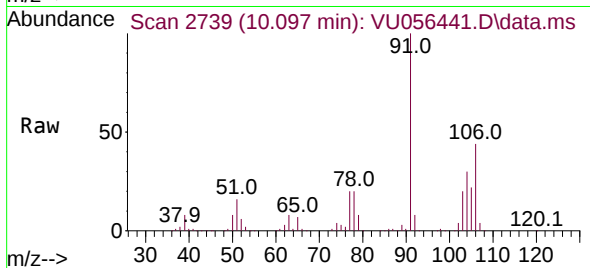




#54
o-Xylene
Concen: 5.355 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

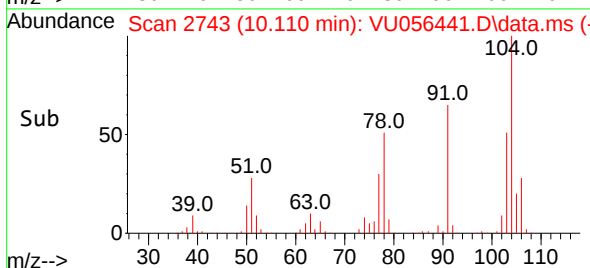
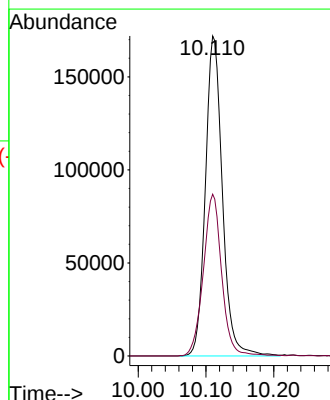
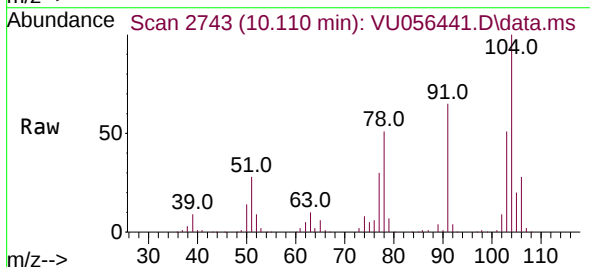
Instrument :
MSVOA_U
ClientSampleId :

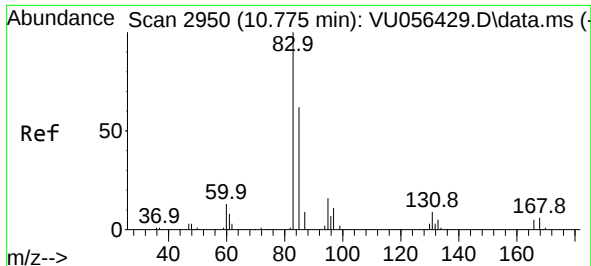
Tgt Ion:106 Resp: 171396
Ion Ratio Lower Upper
106 100
91 226.5 159.3 295.9



#55
Styrene
Concen: 5.636 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

Tgt Ion:104 Resp: 300074
Ion Ratio Lower Upper
104 100
78 50.6 34.2 63.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.482 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

Instrument :

MSVOA_U

ClientSampleId :

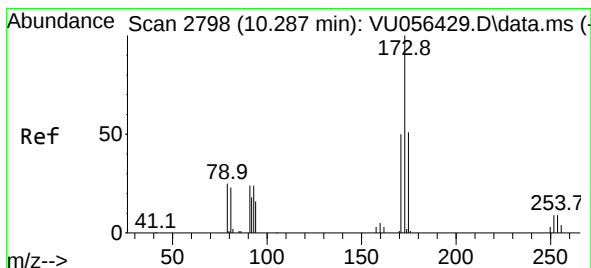
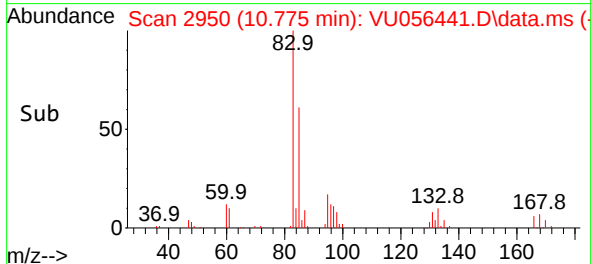
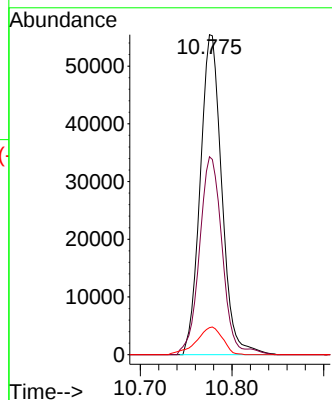
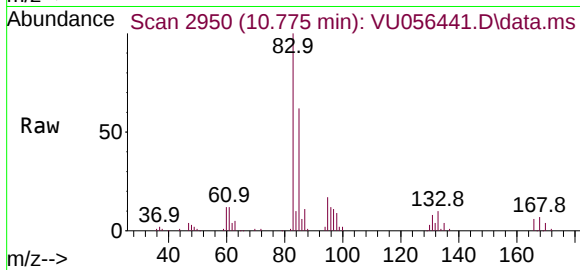
Tgt Ion: 83 Resp: 90631

Ion Ratio Lower Upper

83 100

85 61.9 46.3 86.1

131 8.4 6.7 10.1



#59

Bromoform

Concen: 5.417 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

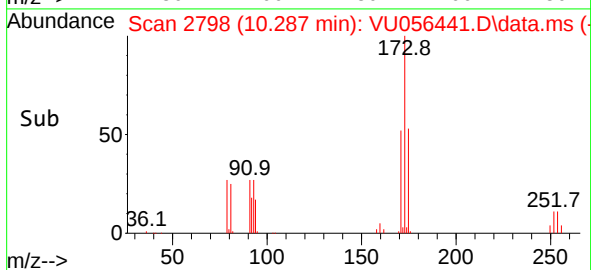
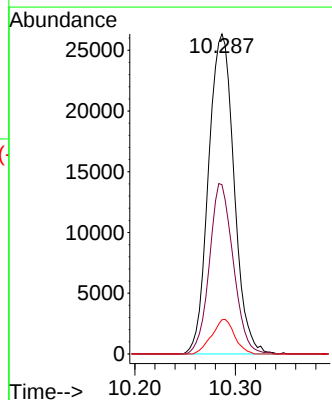
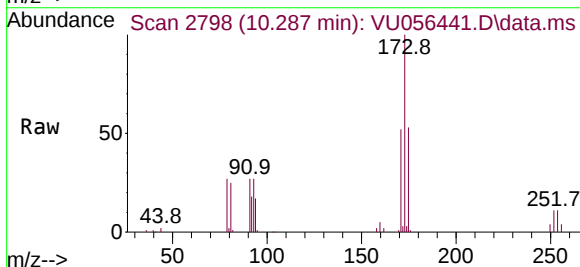
Tgt Ion:173 Resp: 46379

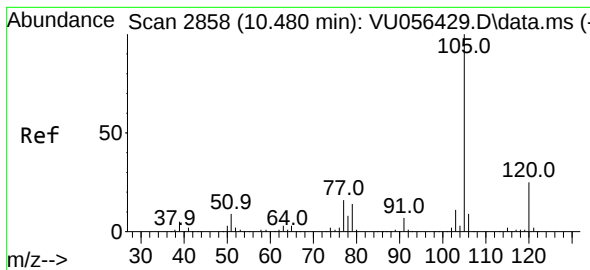
Ion Ratio Lower Upper

173 100

175 49.9 38.9 58.3

254 9.7 6.7 10.1





#60

Isopropylbenzene

Concen: 5.357 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

Instrument :

MSVOA_U

ClientSampleId :

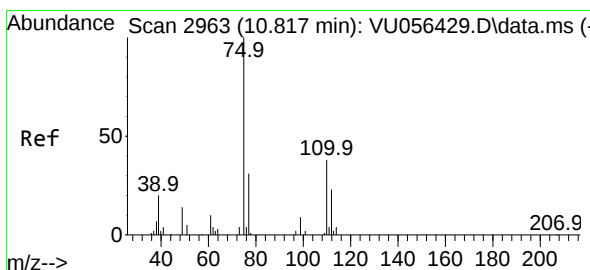
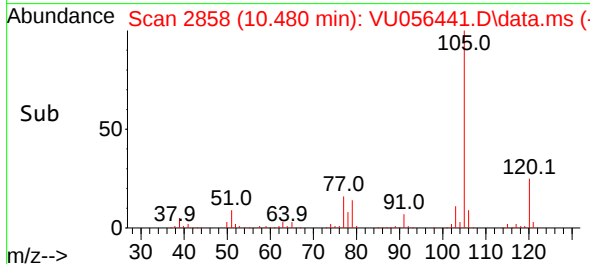
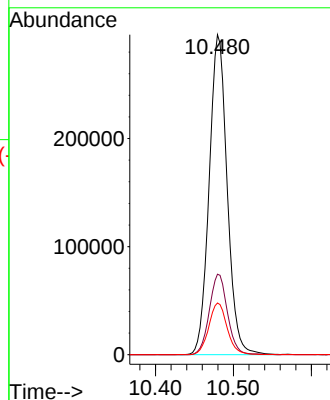
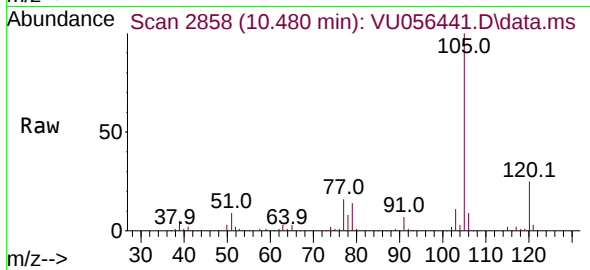
Tgt Ion:105 Resp: 474858

Ion Ratio Lower Upper

105 100

120 25.3 20.4 30.6

77 16.4 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 5.402 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

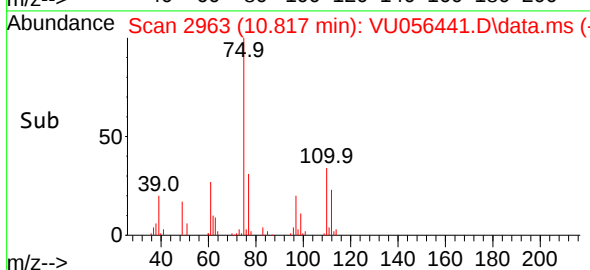
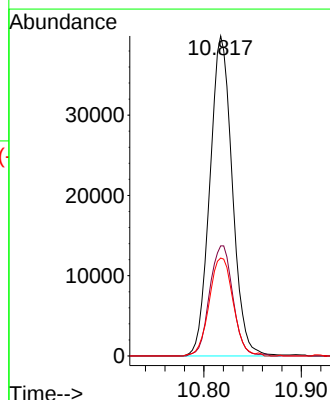
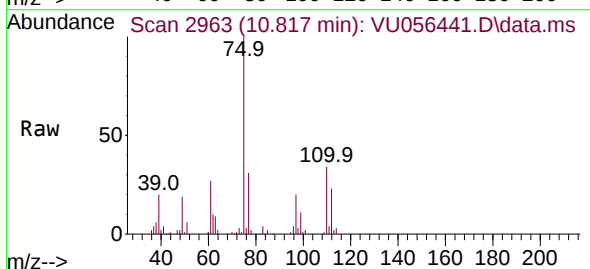
Tgt Ion: 75 Resp: 63707

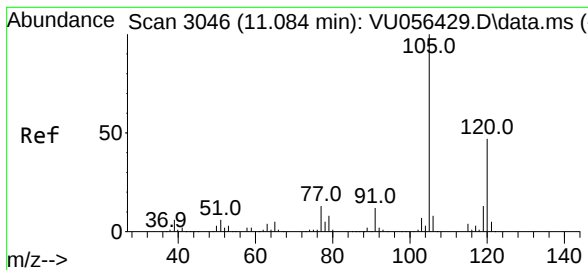
Ion Ratio Lower Upper

75 100

110 35.7 30.4 45.6

77 32.8 27.0 40.6

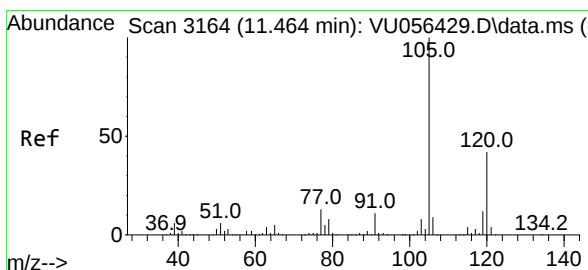
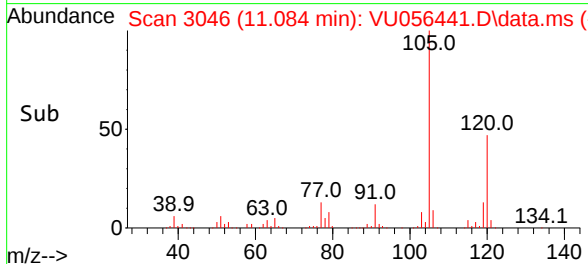
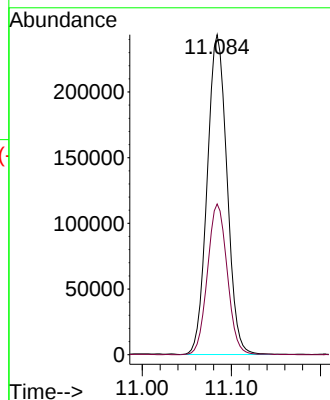
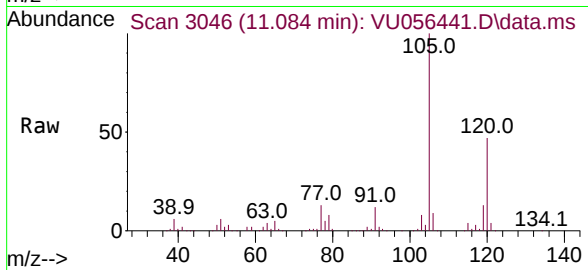




#62
 1,3,5-Trimethylbenzene
 Concen: 5.153 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. -0.000 min
 Lab File: VU056441.D
 Acq: 17 Nov 2023 14:50

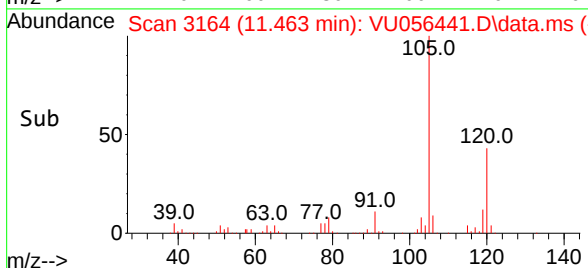
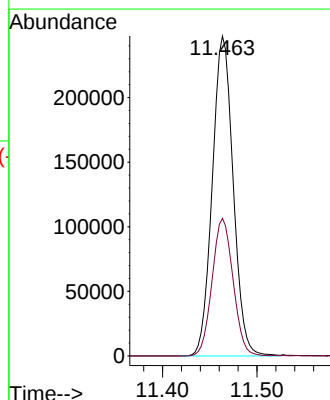
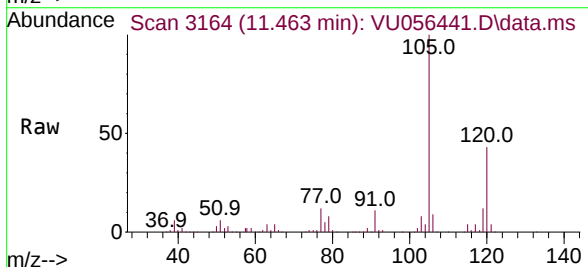
Instrument :
 MSVOA_U
 ClientSampleId :

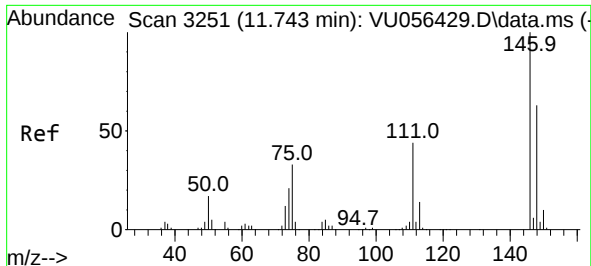
Tgt Ion:105 Resp: 375058
 Ion Ratio Lower Upper
 105 100
 120 47.0 37.2 55.8



#63
 1,2,4-Trimethylbenzene
 Concen: 5.290 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: VU056441.D
 Acq: 17 Nov 2023 14:50

Tgt Ion:105 Resp: 380030
 Ion Ratio Lower Upper
 105 100
 120 43.3 34.0 51.0

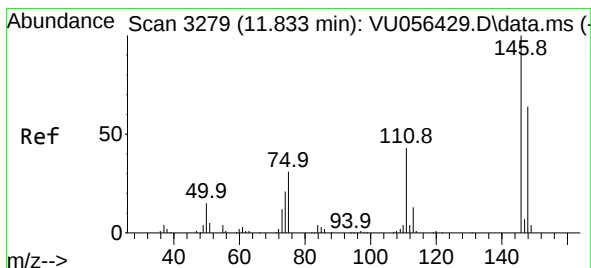
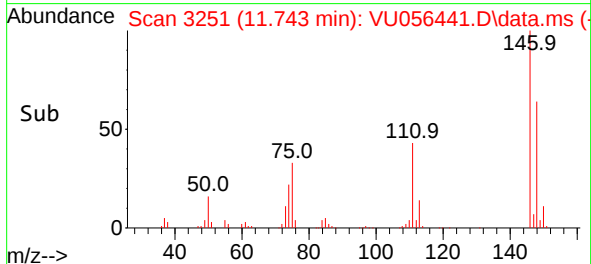
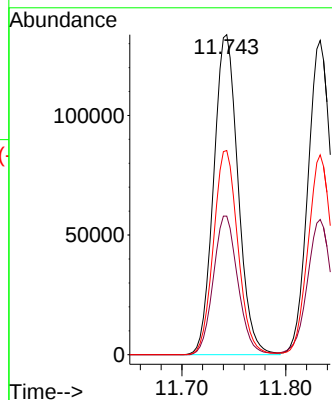
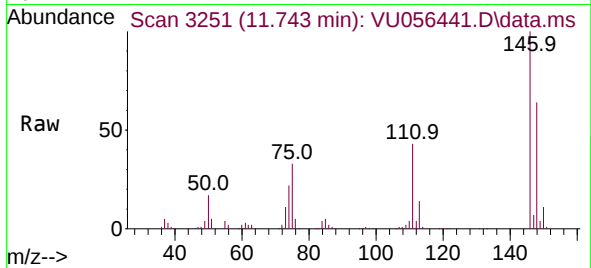




#64
1,3-Dichlorobenzene
Concen: 5.424 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

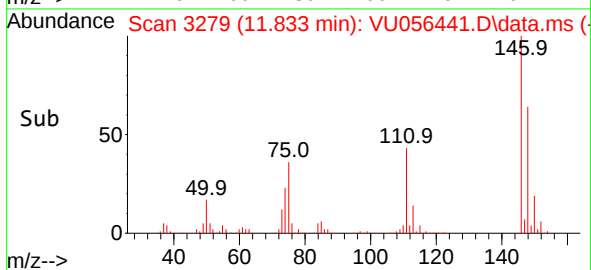
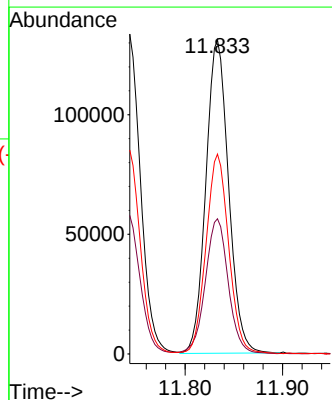
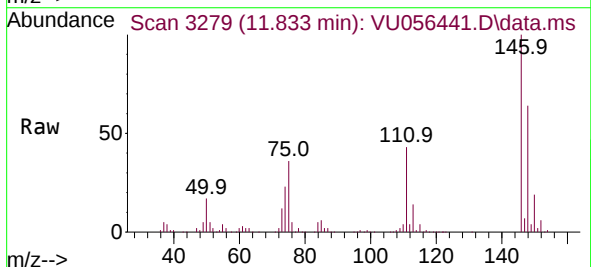
Instrument :
MSVOA_U
ClientSampleId :

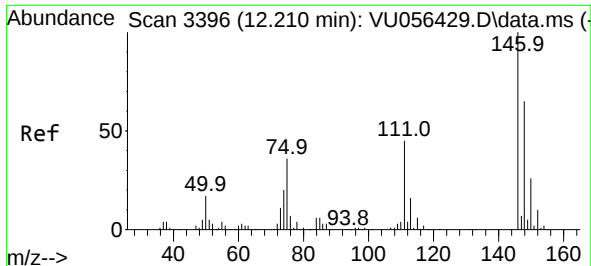
Tgt Ion:146 Resp: 218714
Ion Ratio Lower Upper
146 100
111 43.3 31.1 57.7
148 63.8 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 5.243 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU056441.D
Acq: 17 Nov 2023 14:50

Tgt Ion:146 Resp: 212078
Ion Ratio Lower Upper
146 100
111 43.0 30.5 56.7
148 63.6 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.389 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

Instrument :

MSVOA_U

ClientSampleId :

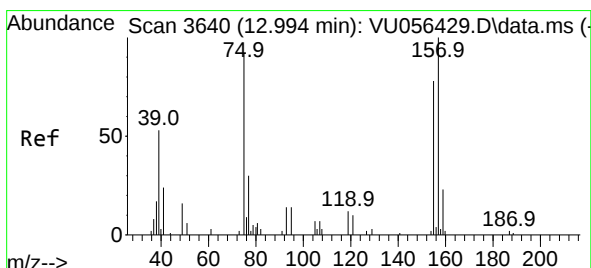
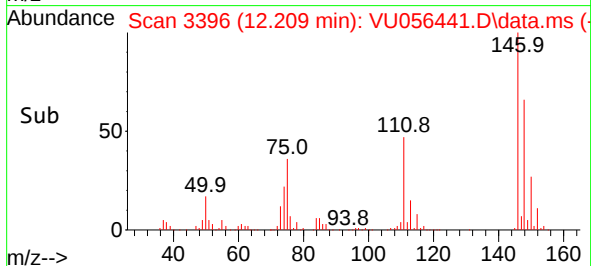
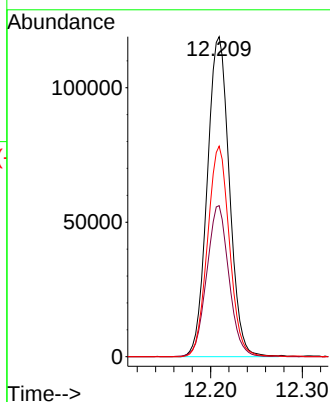
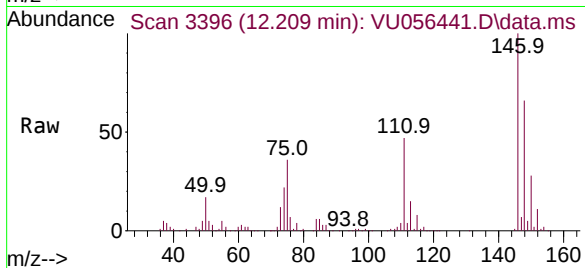
Tgt Ion:146 Resp: 199377

Ion Ratio Lower Upper

146 100

111 47.2 38.3 57.5

148 65.8 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.508 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

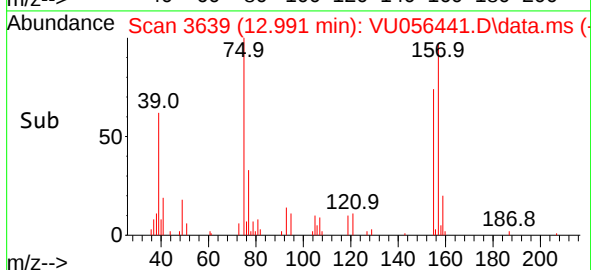
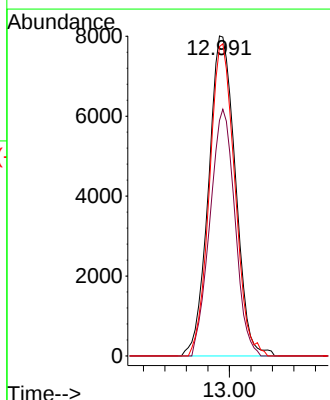
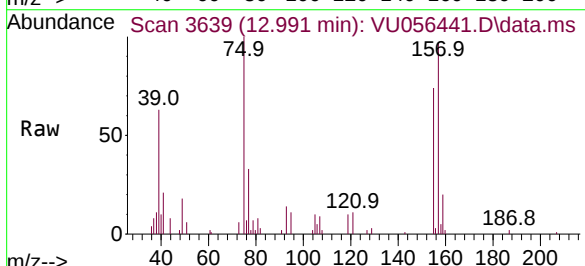
Tgt Ion: 75 Resp: 13876

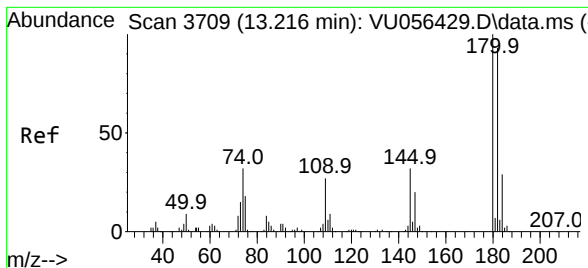
Ion Ratio Lower Upper

75 100

155 73.6 62.4 93.6

157 96.7 80.2 120.2





#69

1,3,5-Trichlorobenzene

Concen: 5.089 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. -0.000 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 154485

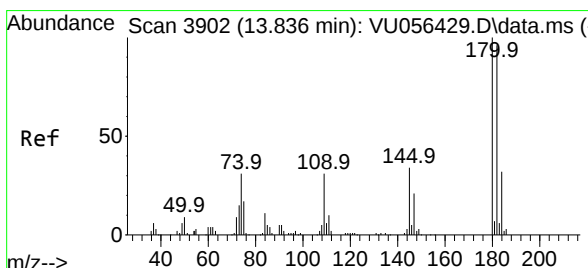
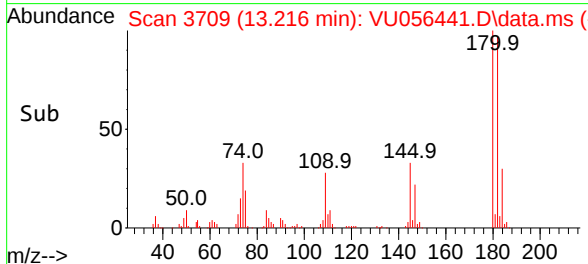
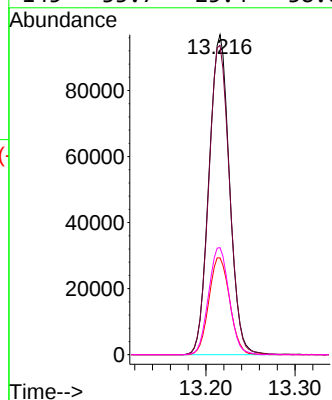
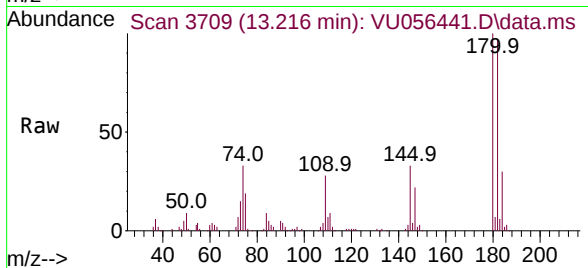
Ion Ratio Lower Upper

180 100

182 98.2 75.1 112.7

184 30.9 23.5 35.3

145 33.7 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 5.255 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

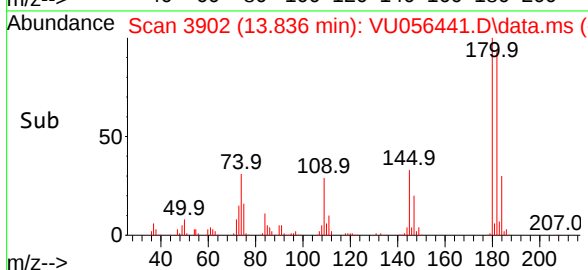
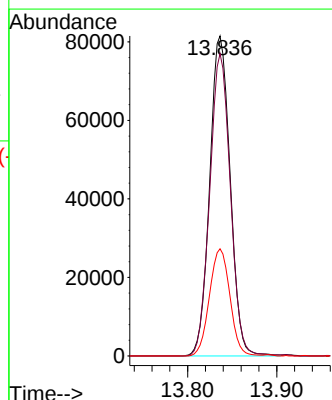
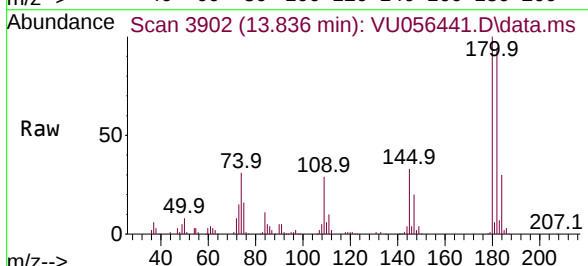
Tgt Ion:180 Resp: 129952

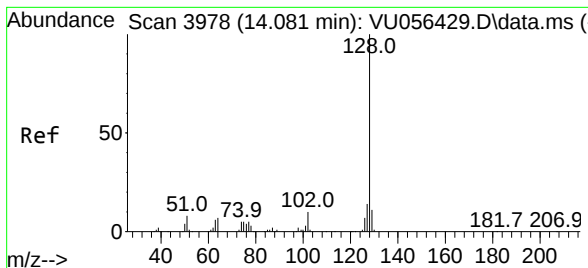
Ion Ratio Lower Upper

180 100

182 95.0 75.4 113.2

145 33.5 26.8 40.2





#71

Naphthalene

Concen: 5.333 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

Instrument :

MSVOA_U

ClientSampleId :

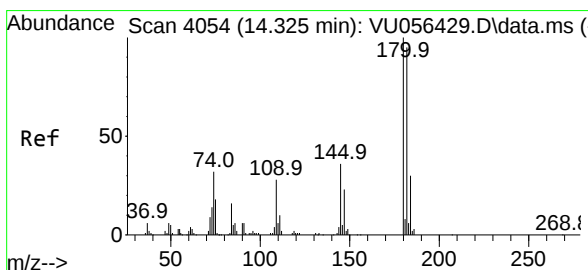
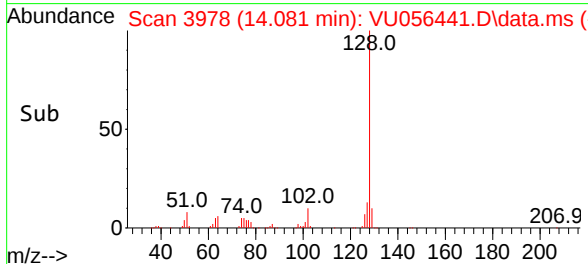
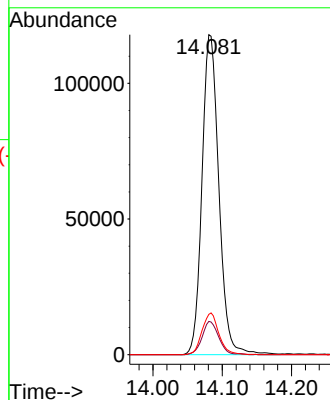
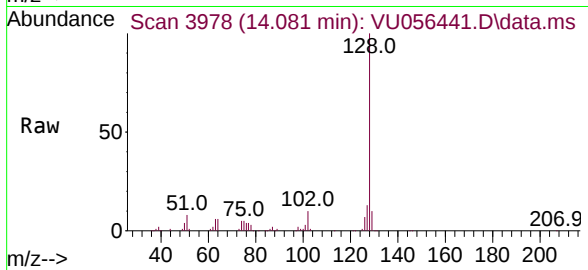
Tgt Ion:128 Resp: 199247

Ion Ratio Lower Upper

128 100

129 10.1 8.6 12.8

127 13.1 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 5.497 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU056441.D

Acq: 17 Nov 2023 14:50

Tgt Ion:180 Resp: 111969

Ion Ratio Lower Upper

180 100

182 94.0 78.6 117.8

145 35.7 29.0 43.6

