

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051122\
 Data File : VU048528.D
 Acq On : 11 May 2022 19:35
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 12 03:45:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 12 03:40:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	268565	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	262545	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	152317	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	80511	34.809	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.620%
7) Chloroethane-d5	1.909	69	62850	41.636	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.280%
11) 1,1-Dichloroethene-d2	2.568	63	180553	43.862	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.720%
21) 2-Butanone-d5	4.623	46	165726	84.134	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.130%
24) Chloroform-d	5.063	84	206806	51.478	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.960%
26) 1,2-Dichloroethane-d4	5.700	65	141021	54.001	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.000%
32) Benzene-d6	5.729	84	368683	46.211	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.420%
36) 1,2-Dichloropropane-d6	6.690	67	110636	42.525	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.040%
41) Toluene-d8	7.899	98	357635	50.685	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.360%
43) trans-1,3-Dichloroprop...	8.179	79	64012	53.456	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.920%
47) 2-Hexanone-d5	8.632	63	122184	97.031	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.030%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	175437	44.269	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.540%
66) 1,2-Dichlorobenzene-d4	12.192	152	150922	50.039	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	113744	46.819	ug/L	99
3) Chloromethane	1.520	50	84595	30.443	ug/L	100
5) Vinyl chloride	1.604	62	93870	35.558	ug/L	99
6) Bromomethane	1.851	94	63359	48.532	ug/L	98
8) Chloroethane	1.932	64	58000	40.865	ug/L	100
9) Trichlorofluoromethane	2.137	101	178621	51.498	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	89604	45.018	ug/L	96
12) 1,1-Dichloroethene	2.581	96	84081	44.680	ug/L	96
13) Acetone	2.626	43	111439	75.041	ug/L	95
14) Carbon disulfide	2.793	76	236125	40.481	ug/L	100
15) Methyl Acetate	2.948	43	112599	37.011	ug/L #	89
16) Methylene chloride	3.047	84	102744	44.646	ug/L	88
17) trans-1,2-Dichloroethene	3.356	96	90206	44.930	ug/L	96
18) Methyl tert-butyl Ether	3.362	73	322661	47.722	ug/L	97
19) 1,1-Dichloroethane	3.870	63	178692	43.164	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	103979	45.894	ug/L	92
22) 2-Butanone	4.700	43	163974	73.865	ug/L	94
23) Bromochloromethane	4.973	128	56721	47.506	ug/L	88
25) Chloroform	5.089	83	199546	48.812	ug/L	98

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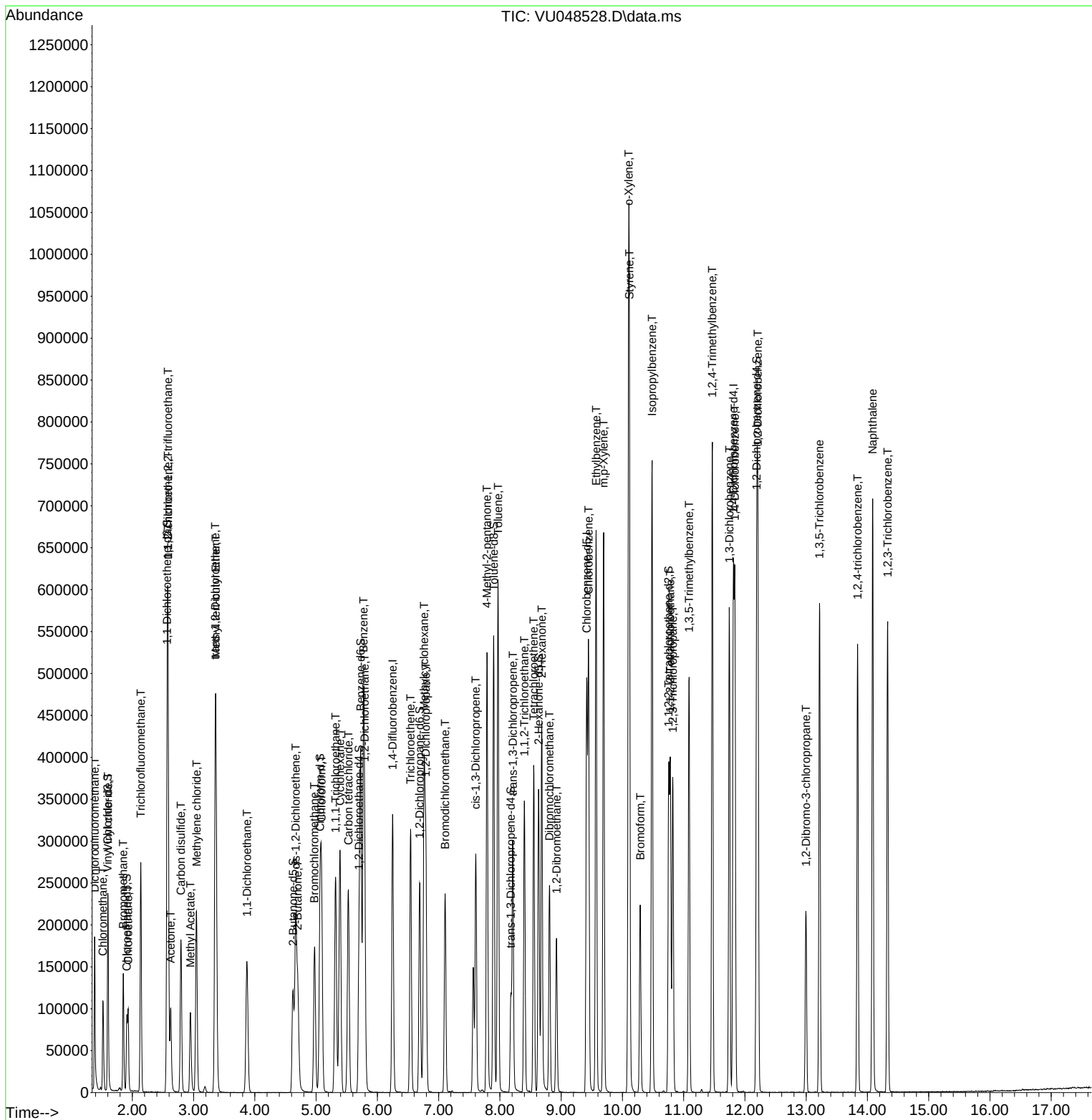
Instrument :
 MSVOA_U
 ClientSampleId :

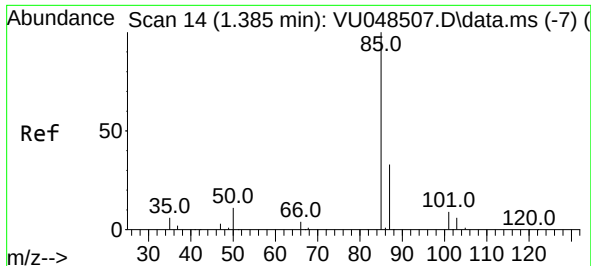
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	171596	51.054	ug/L	97
29) Cyclohexane	5.391	56	137787	38.032	ug/L	88
30) 1,1,1-Trichloroethane	5.317	97	194592	53.370	ug/L	98
31) Carbon tetrachloride	5.526	117	172602	55.284	ug/L	100
33) Benzene	5.774	78	395760	43.780	ug/L	100
34) Trichloroethene	6.542	95	104608	47.077	ug/L	98
35) Methylcyclohexane	6.764	83	154916	43.696	ug/L	96
37) 1,2-Dichloropropane	6.790	63	100767	39.939	ug/L	98
38) Bromodichloromethane	7.105	83	154937	50.434	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	165438	46.101	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	309849	76.648	ug/L #	95
42) Toluene	7.970	91	429664	46.053	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	171276	49.113	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	103632	45.420	ug/L	96
46) Tetrachloroethene	8.552	164	84217	50.451	ug/L	99
48) 2-Hexanone	8.684	43	253929	75.583	ug/L	96
49) Dibromochloromethane	8.809	129	129708	52.935	ug/L	97
50) 1,2-Dibromoethane	8.925	107	117337	48.650	ug/L	99
51) Chlorobenzene	9.446	112	279857	47.606	ug/L	98
52) Ethylbenzene	9.571	91	465879	47.936	ug/L	100
53) m,p-Xylene	9.693	106	187769	50.053	ug/L	100
54) o-Xylene	10.102	106	182432	48.336	ug/L	96
55) Styrene	10.115	104	322208	52.507	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	177448	41.495	ug/L	99
59) Bromoform	10.291	173	100088	46.333	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	155544	39.121	ug/L	96
61) Isopropylbenzene	10.484	105	479403	44.916	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	269328	45.776	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	418704	47.784	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	233113	46.309	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	234440	46.452	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	236008	45.815	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.995	75	58184	49.928	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	183060	51.433	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	163836	53.006	ug/L	98
71) Naphthalene	14.085	128	556568	46.758	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	167584	50.978	ug/L	98

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

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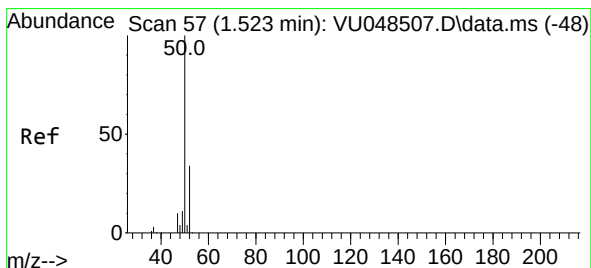
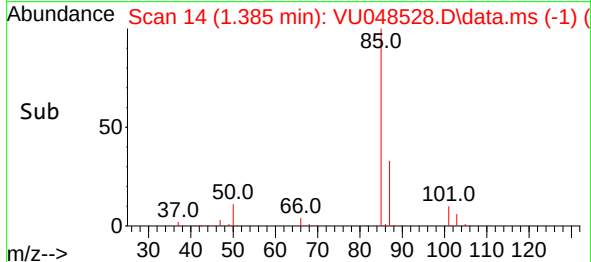
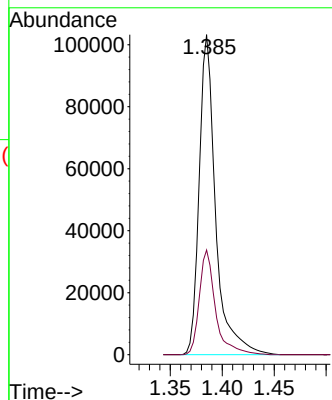
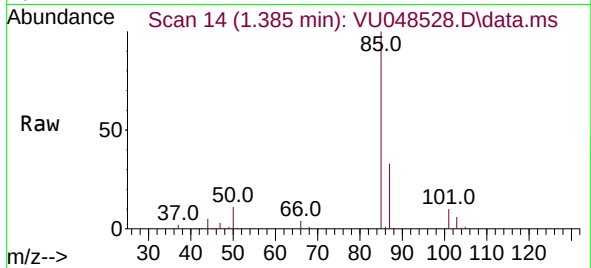




#2
Dichlorodifluoromethane
Concen: 46.819 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

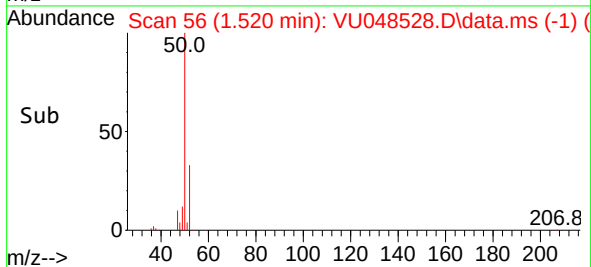
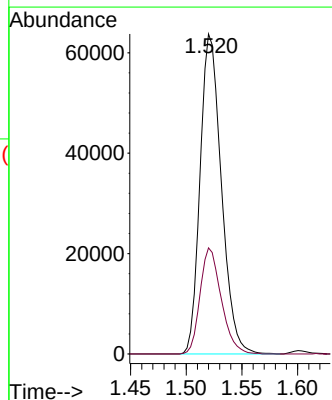
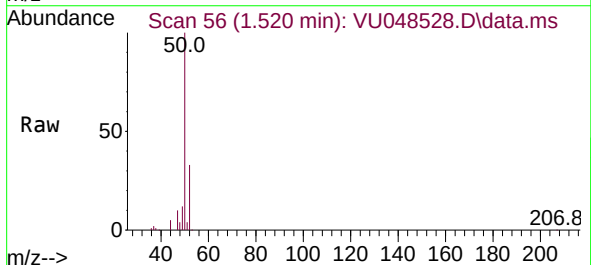
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MSVOA_U
ClientSampleId :

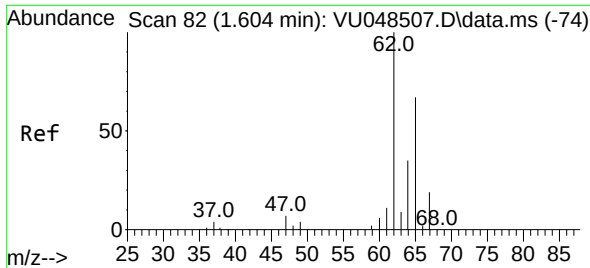
Tgt Ion: 85 Resp: 113744
Ion Ratio Lower Upper
85 100
87 32.3 26.2 39.4



#3
Chloromethane
Concen: 30.443 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Tgt Ion: 50 Resp: 84595
Ion Ratio Lower Upper
50 100
52 33.1 23.0 42.8

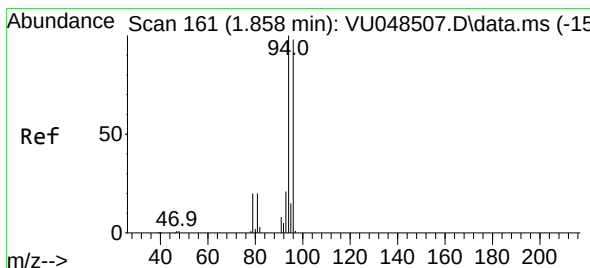
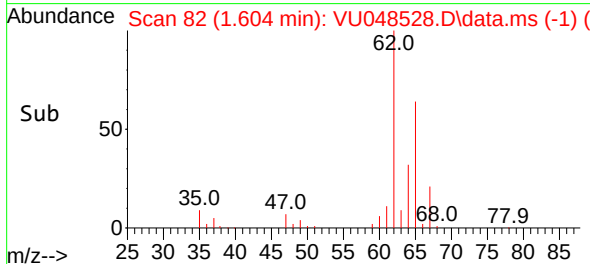
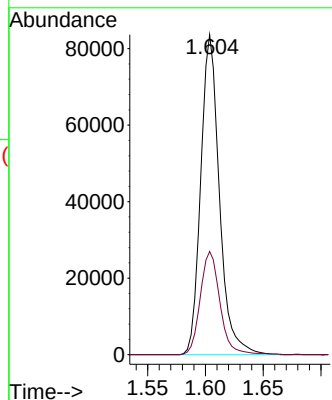
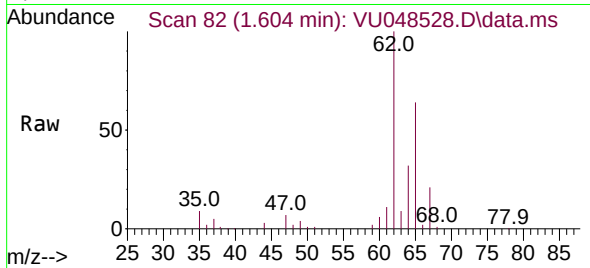




#5
 Vinyl chloride
 Concen: 35.558 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU048528.D
 Acq: 11 May 2022 19:35

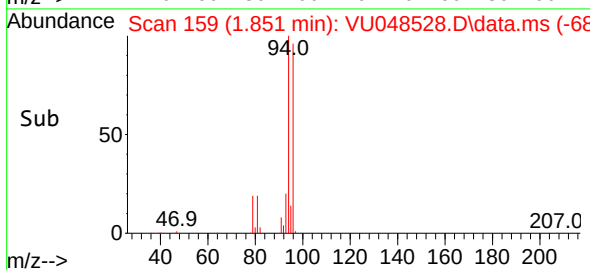
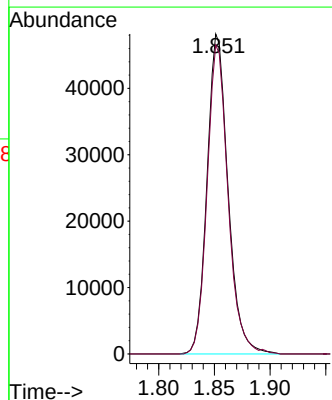
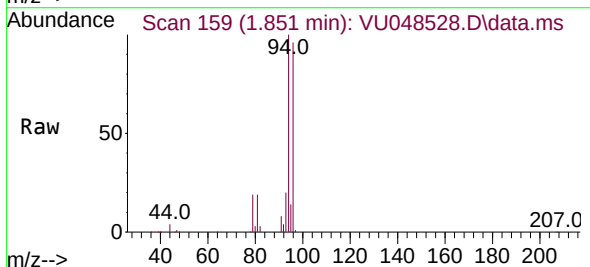
Instrument :
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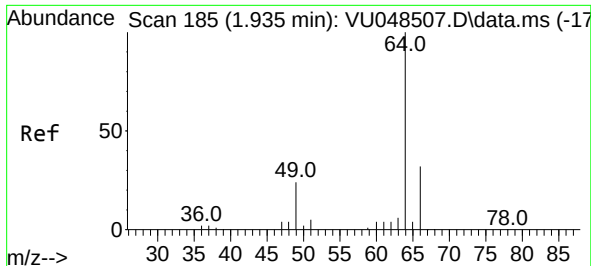
Tgt Ion: 62 Resp: 93870
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.2 43.0



#6
 Bromomethane
 Concen: 48.532 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.007 min
 Lab File: VU048528.D
 Acq: 11 May 2022 19:35

Tgt Ion: 94 Resp: 63359
 Ion Ratio Lower Upper
 94 100
 96 96.5 66.5 123.5

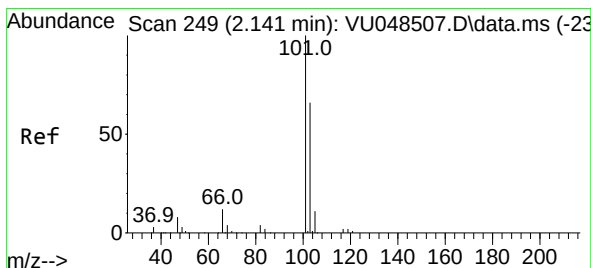
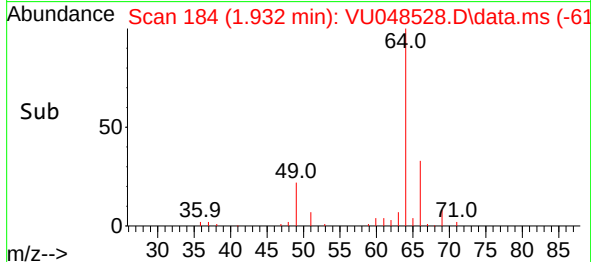
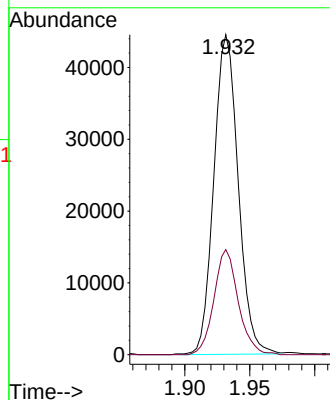
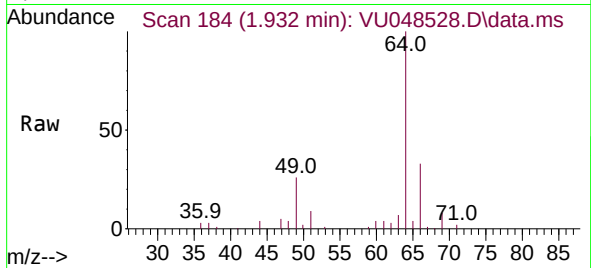




#8
Chloroethane
Concen: 40.865 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.003 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

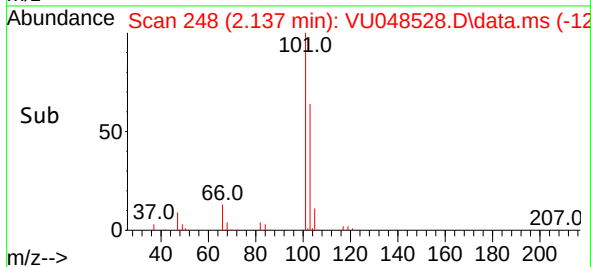
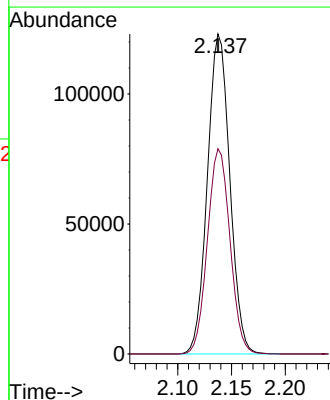
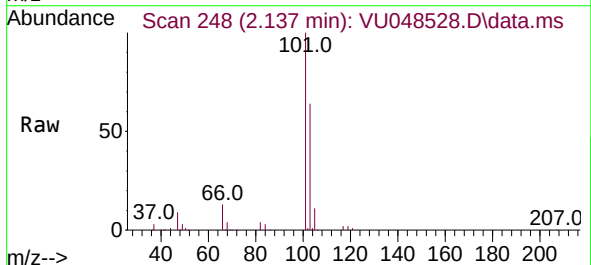
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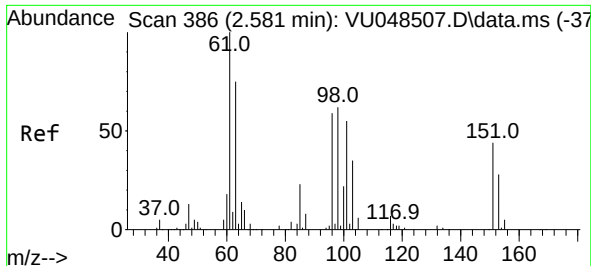
Tgt Ion: 64 Resp: 58000
Ion Ratio Lower Upper
64 100
66 32.9 22.8 42.4



#9
Trichlorofluoromethane
Concen: 51.498 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.003 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Tgt Ion:101 Resp: 178621
Ion Ratio Lower Upper
101 100
103 64.5 52.0 78.0

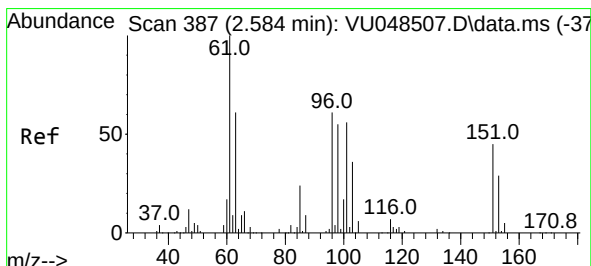
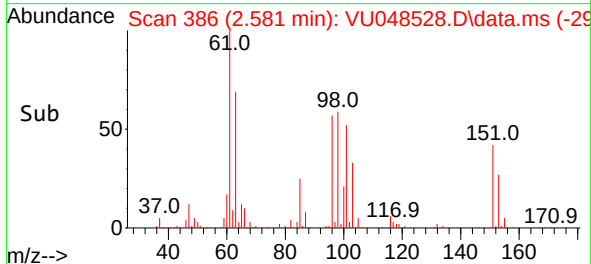
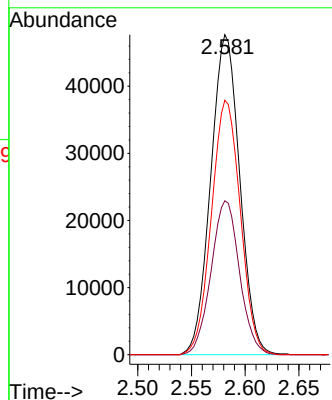
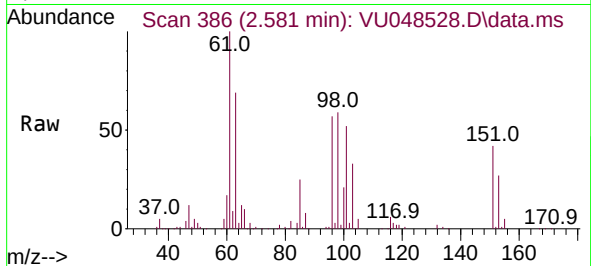




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.018 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU048528.D
 Acq: 11 May 2022 19:35

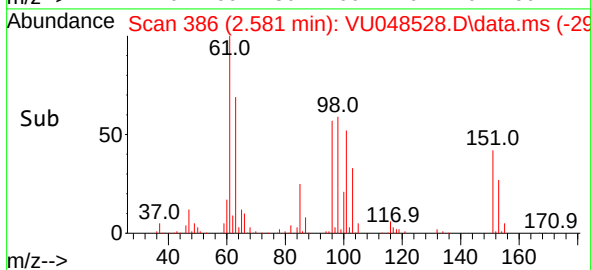
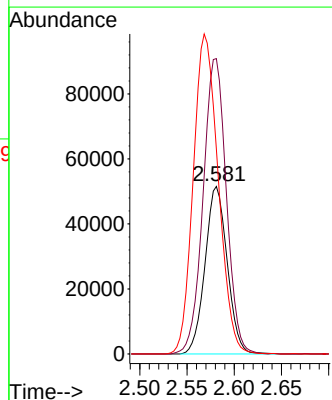
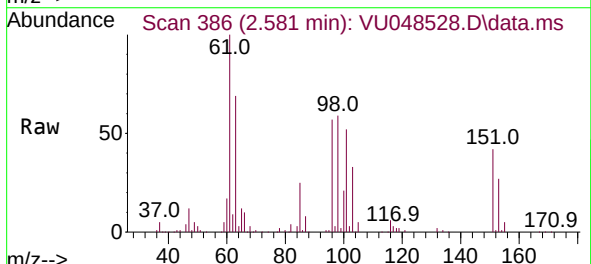
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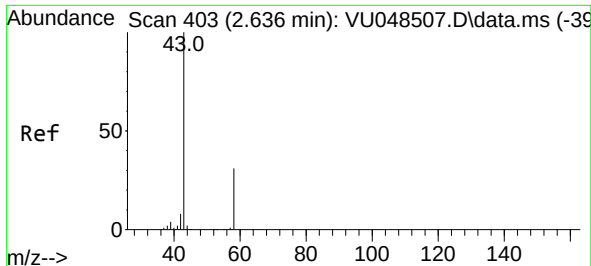
Tgt Ion:101 Resp: 89604
 Ion Ratio Lower Upper
 101 100
 85 47.1 34.8 52.2
 151 79.1 60.7 91.1



#12
 1,1-Dichloroethene
 Concen: 44.680 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.003 min
 Lab File: VU048528.D
 Acq: 11 May 2022 19:35

Tgt Ion: 96 Resp: 84081
 Ion Ratio Lower Upper
 96 100
 61 176.3 124.5 231.3
 63 122.4 92.5 171.9





#13

Acetone

Concen: 75.041 ug/L

RT: 2.626 min Scan# 40

Delta R.T. -0.010 min

Lab File: VU048528.D

Acq: 11 May 2022 19:35

Instrument :

MSVOA_U

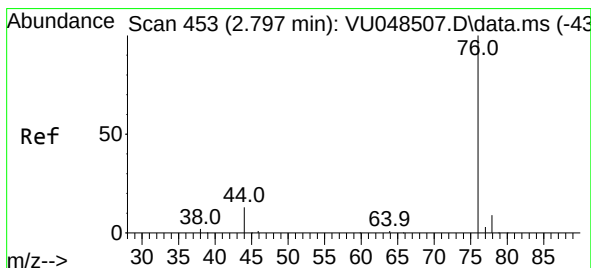
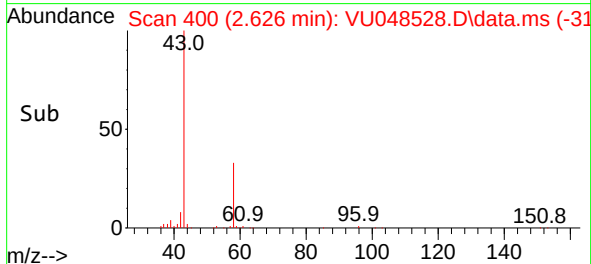
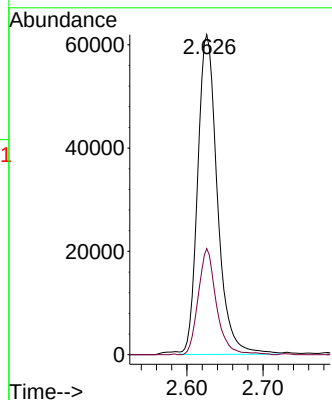
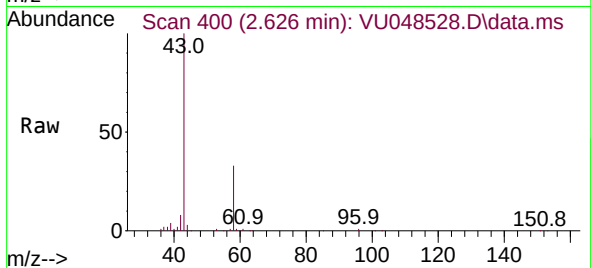
ClientSampleId :

Tgt Ion: 43 Resp: 111439

Ion Ratio Lower Upper

43 100

58 30.4 0.0 66.2



#14

Carbon disulfide

Concen: 40.481 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.003 min

Lab File: VU048528.D

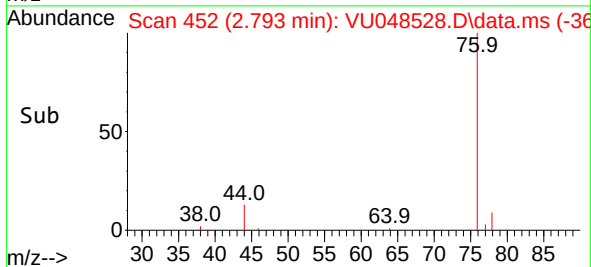
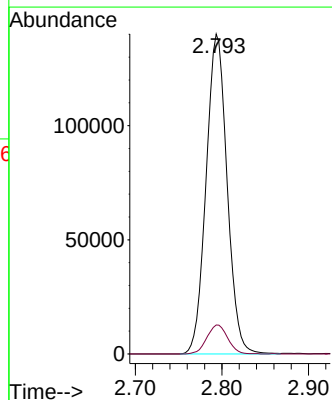
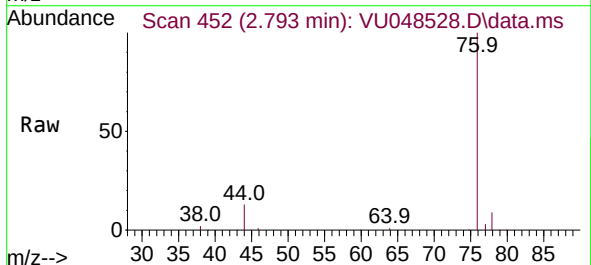
Acq: 11 May 2022 19:35

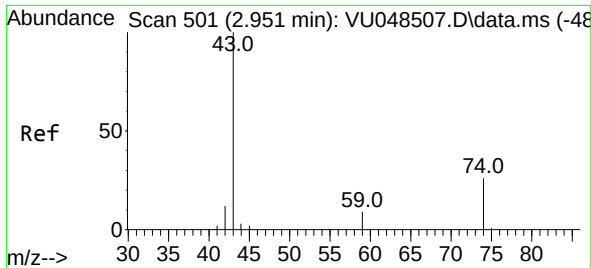
Tgt Ion: 76 Resp: 236125

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

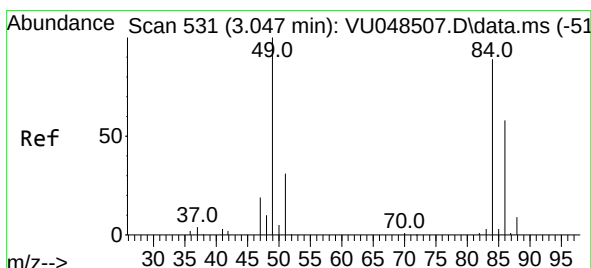
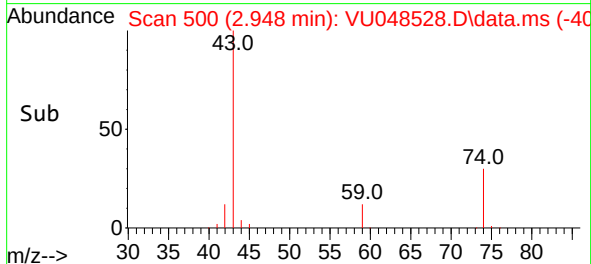
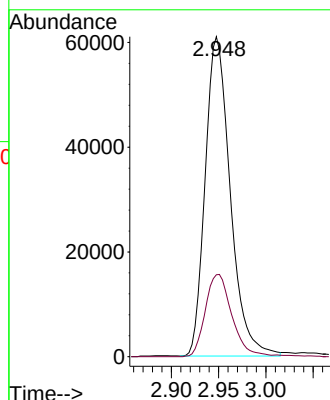
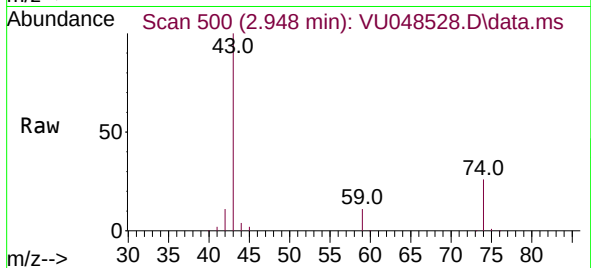




#15
Methyl Acetate
Concen: 37.011 ug/L
RT: 2.948 min Scan# 501
Delta R.T. -0.003 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

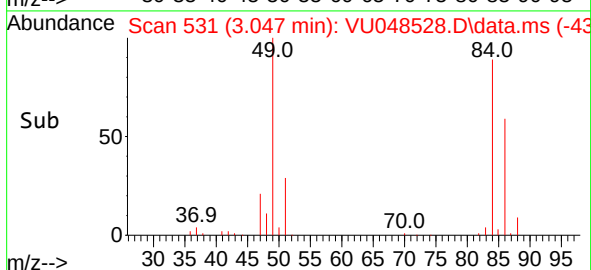
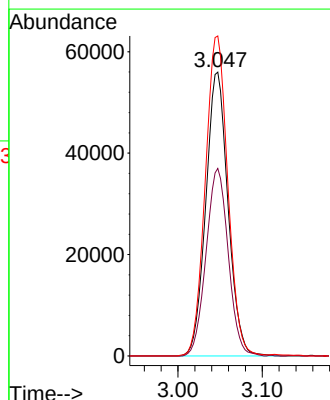
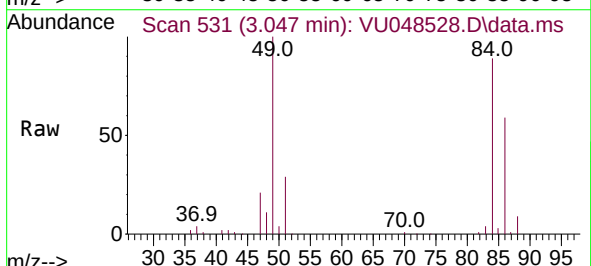
Instrument :
MSVOA_U
ClientSampleId :

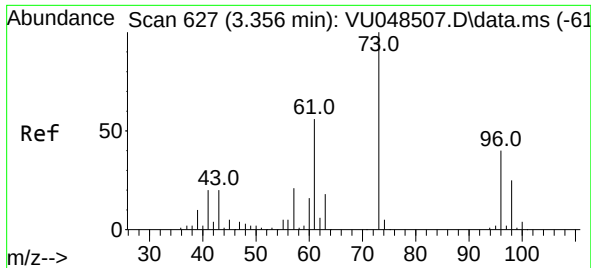
Tgt Ion: 43 Resp: 112599
Ion Ratio Lower Upper
43 100
74 27.1 17.6 26.4#



#16
Methylene chloride
Concen: 44.646 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Tgt Ion: 84 Resp: 102744
Ion Ratio Lower Upper
84 100
86 66.1 44.8 83.2
49 112.7 92.0 170.8

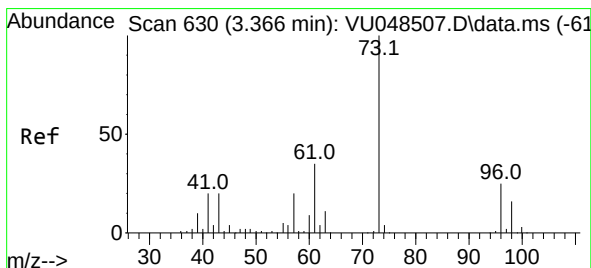
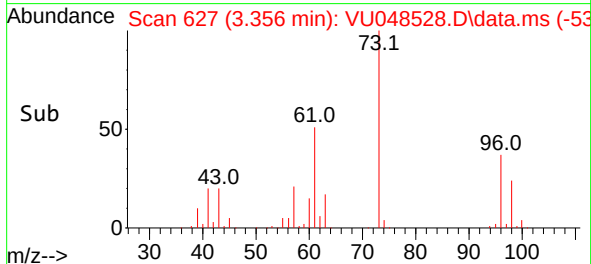
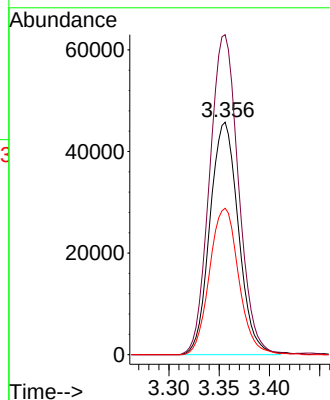
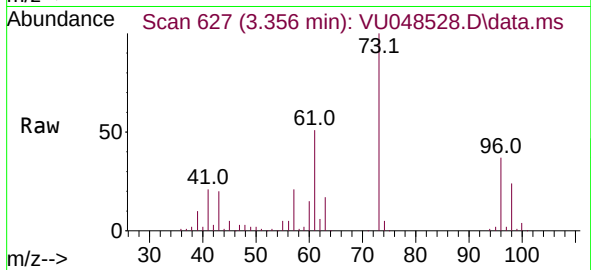




#17
trans-1,2-Dichloroethene
Concen: 44.930 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

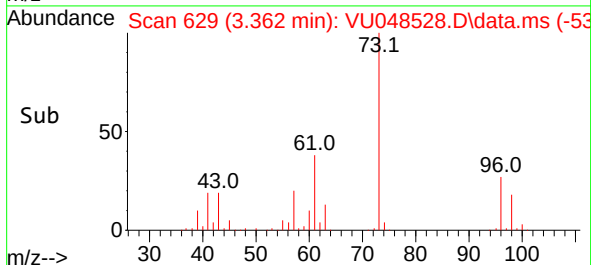
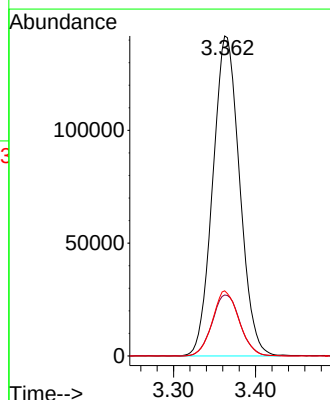
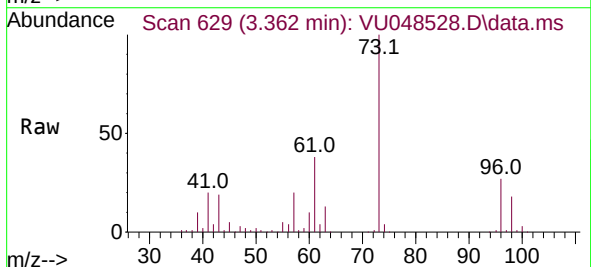
Instrument :
MSVOA_U
ClientSampleId :

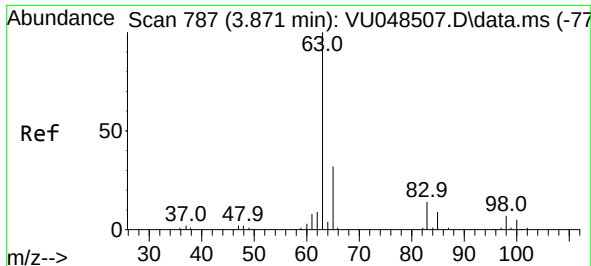
Tgt Ion: 96 Resp: 90206
Ion Ratio Lower Upper
96 100
61 137.6 101.2 187.8
98 63.0 43.3 80.3



#18
Methyl tert-butyl Ether
Concen: 47.722 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.003 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Tgt Ion: 73 Resp: 322661
Ion Ratio Lower Upper
73 100
43 19.8 15.6 23.4
57 20.2 18.1 27.1





#19

1,1-Dichloroethane

Concen: 43.164 ug/L

RT: 3.870 min Scan# 787

Delta R.T. -0.000 min

Lab File: VU048528.D

Acq: 11 May 2022 19:35

Instrument :

MSVOA_U

ClientSampleId :

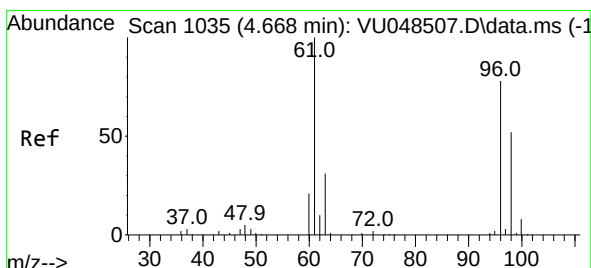
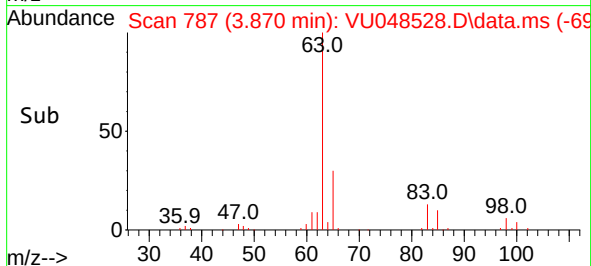
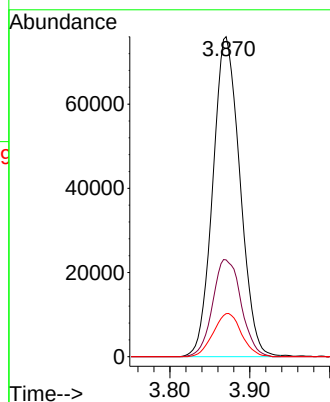
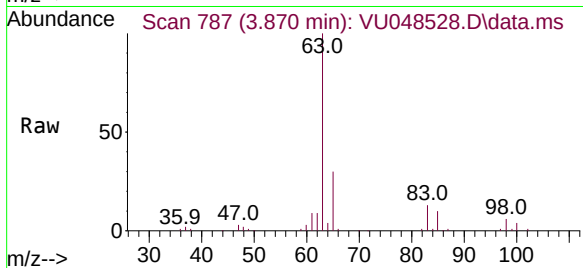
Tgt Ion: 63 Resp: 178692

Ion Ratio Lower Upper

63 100

65 30.2 22.0 41.0

83 13.5 8.5 15.9



#20

cis-1,2-Dichloroethene

Concen: 45.894 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU048528.D

Acq: 11 May 2022 19:35

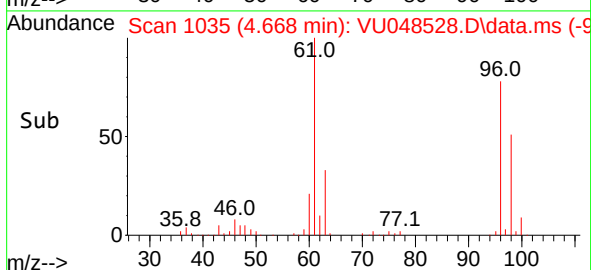
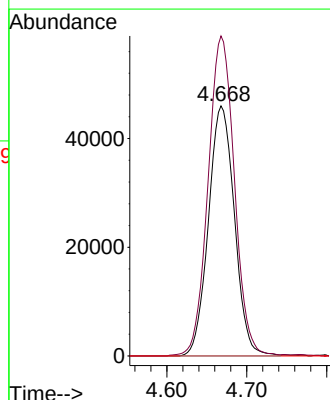
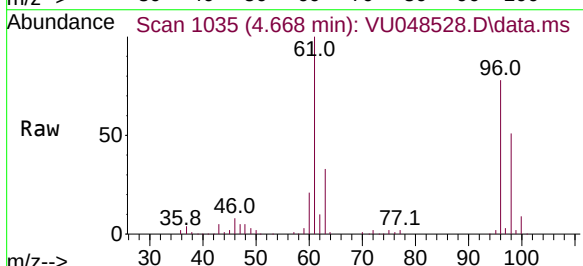
Tgt Ion: 96 Resp: 103979

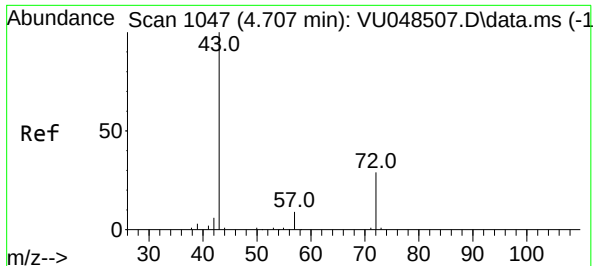
Ion Ratio Lower Upper

96 100

61 128.0 96.2 178.8

68 0.0 0.0 0.0

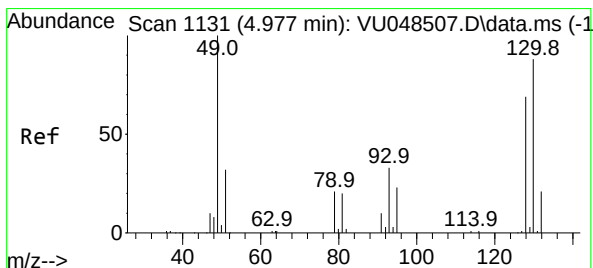
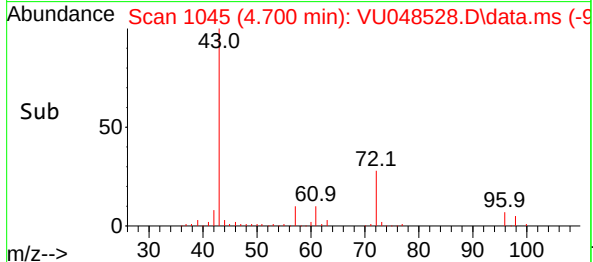
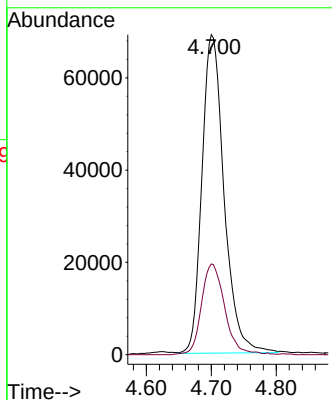
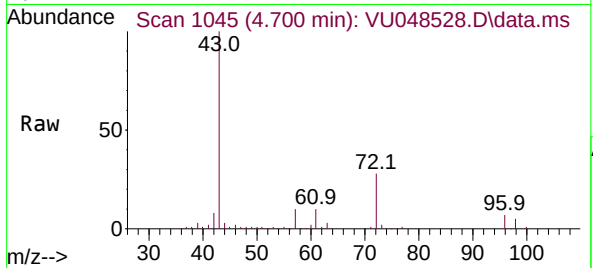




#22
2-Butanone
Concen: 73.865 ug/L
RT: 4.700 min Scan# 1047
Delta R.T. -0.007 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

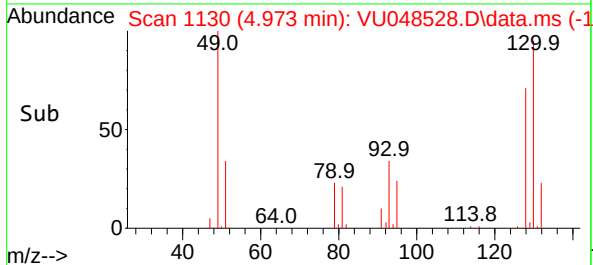
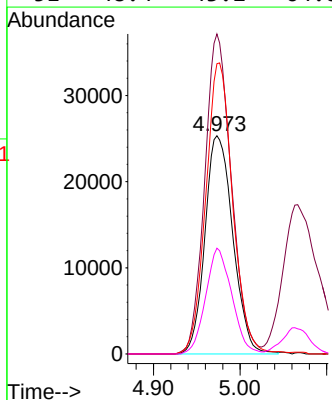
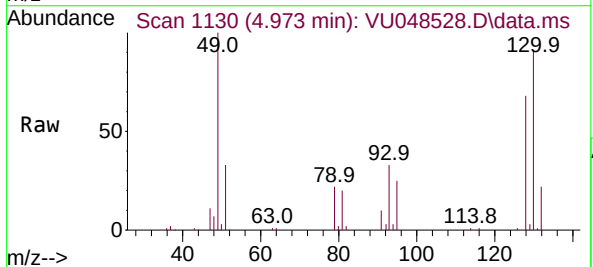
Instrument :
MSVOA_U
ClientSampleId :

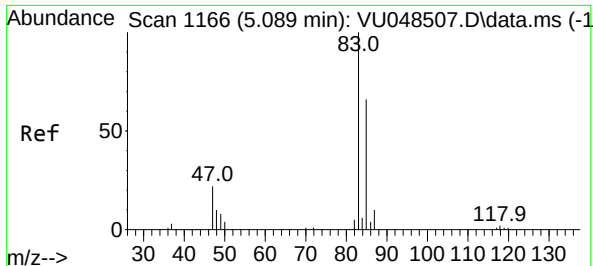
Tgt Ion: 43 Resp: 163974
Ion Ratio Lower Upper
43 100
72 29.5 13.3 39.9



#23
Bromochloromethane
Concen: 47.506 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. -0.003 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Tgt Ion:128 Resp: 56721
Ion Ratio Lower Upper
128 100
49 146.6 123.1 228.7
130 133.0 93.6 173.8
51 48.4 43.2 64.8

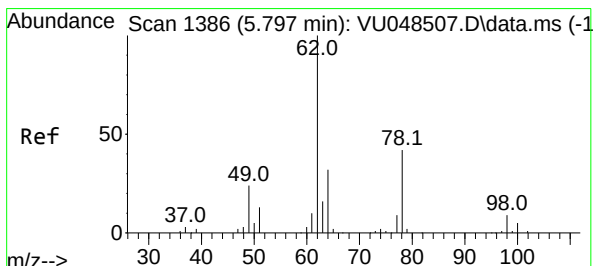
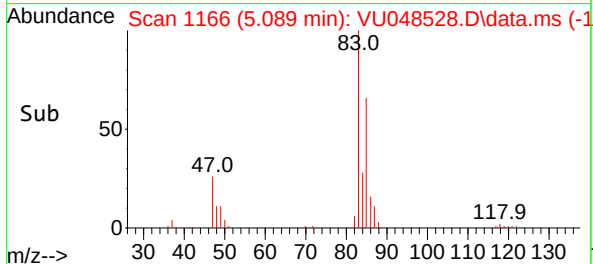
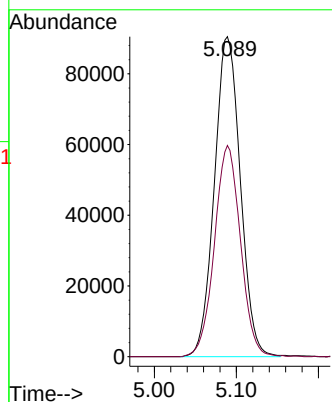
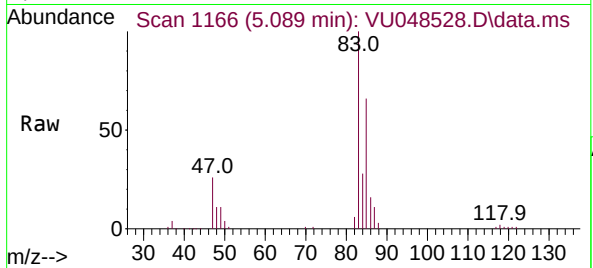




#25
Chloroform
Concen: 48.812 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

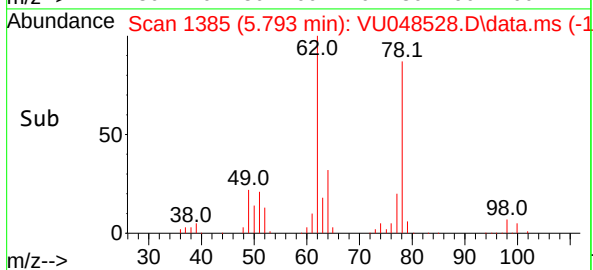
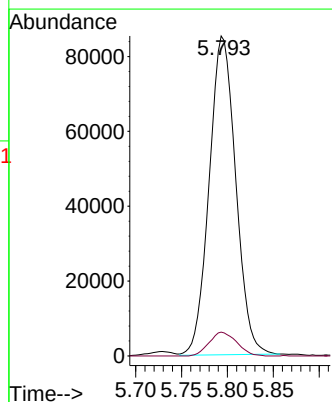
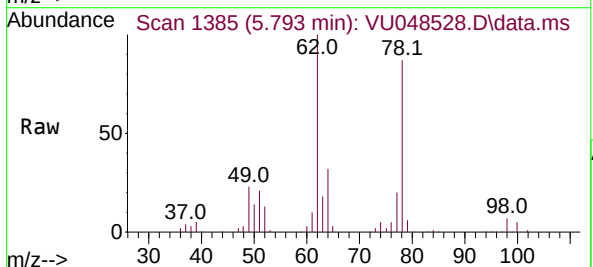
Instrument :
MSVOA_U
ClientSampleId :

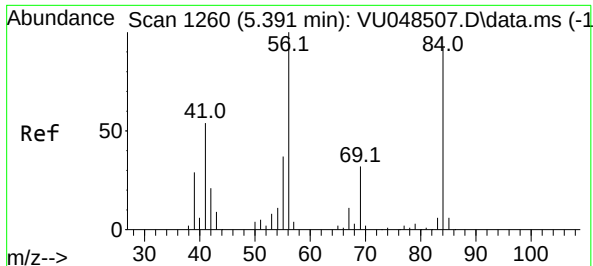
Tgt Ion: 83 Resp: 199546
Ion Ratio Lower Upper
83 100
85 66.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 51.054 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. -0.003 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Tgt Ion: 62 Resp: 171596
Ion Ratio Lower Upper
62 100
98 7.5 6.8 10.2





#29

Cyclohexane

Concen: 38.032 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU048528.D

Acq: 11 May 2022 19:35

Instrument :

MSVOA_U

ClientSampleId :

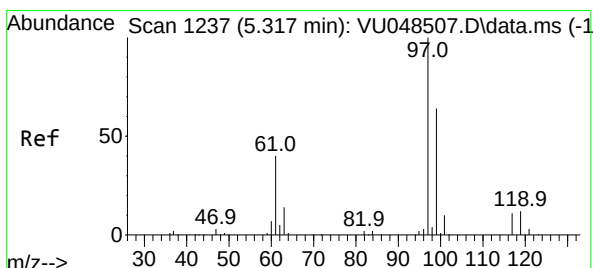
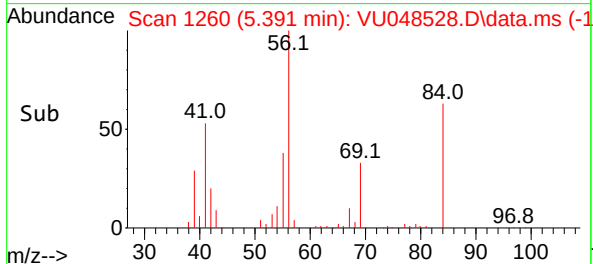
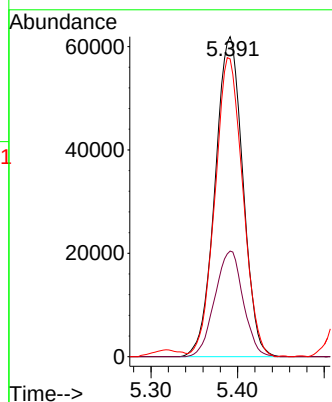
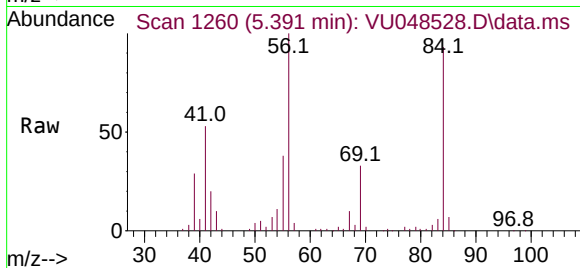
Tgt Ion: 56 Resp: 137787

Ion Ratio Lower Upper

56 100

69 33.6 23.4 35.0

84 93.6 65.5 98.3



#30

1,1,1-Trichloroethane

Concen: 53.370 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU048528.D

Acq: 11 May 2022 19:35

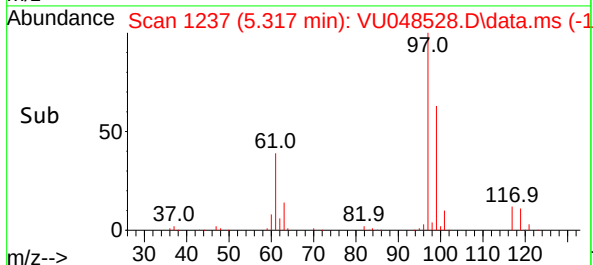
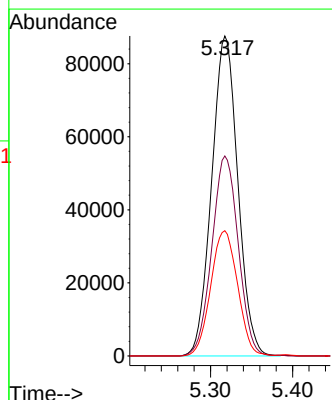
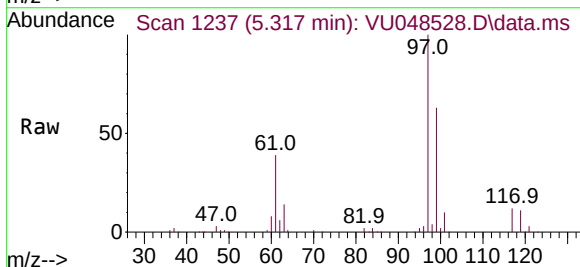
Tgt Ion: 97 Resp: 194592

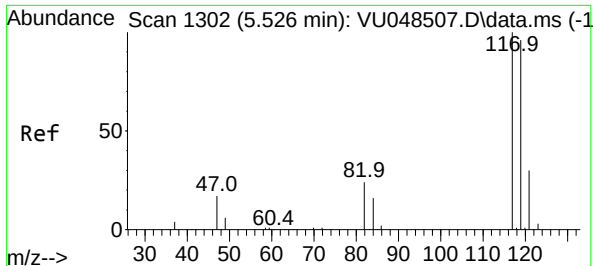
Ion Ratio Lower Upper

97 100

99 63.1 50.5 75.7

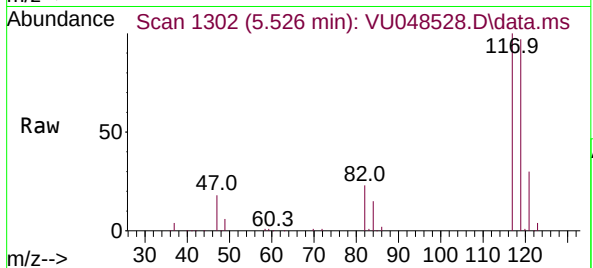
61 40.2 35.0 52.4



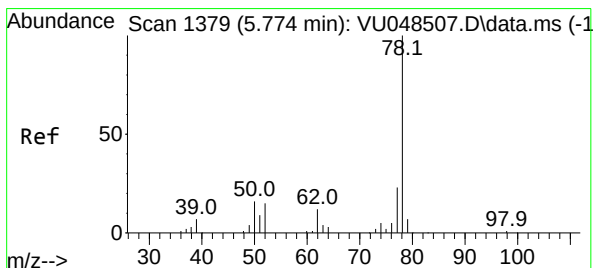
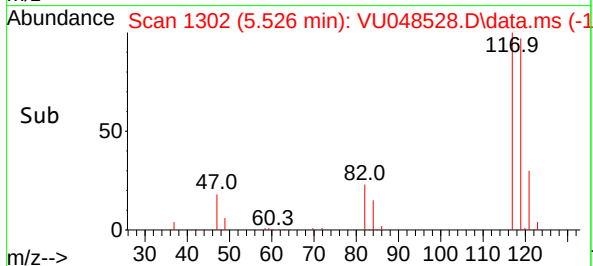
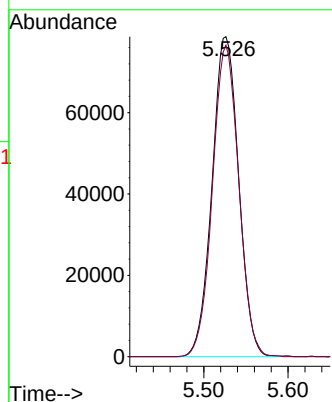


#31
Carbon tetrachloride
Concen: 55.284 ug/L
RT: 5.526 min Scan# 1302
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Instrument :
MSVOA_U
ClientSampleId :

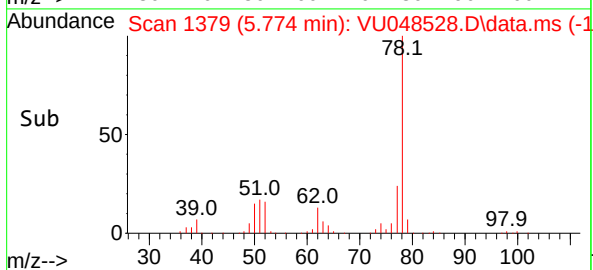
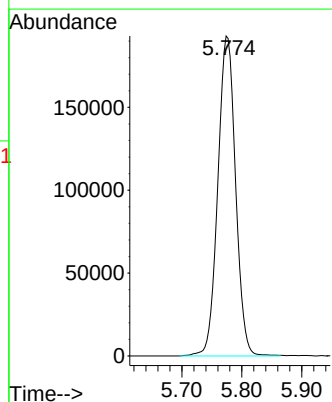
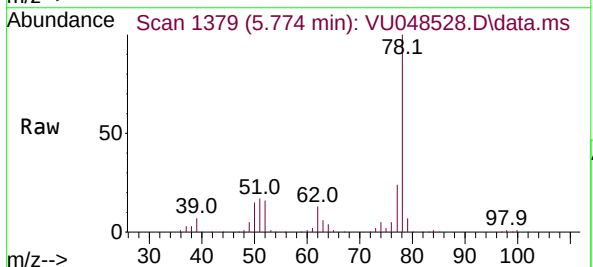


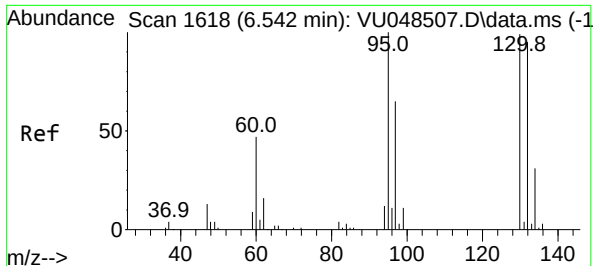
Tgt Ion:117 Resp: 172602
Ion Ratio Lower Upper
117 100
119 96.1 76.5 114.7



#33
Benzene
Concen: 43.780 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Tgt Ion: 78 Resp: 395760

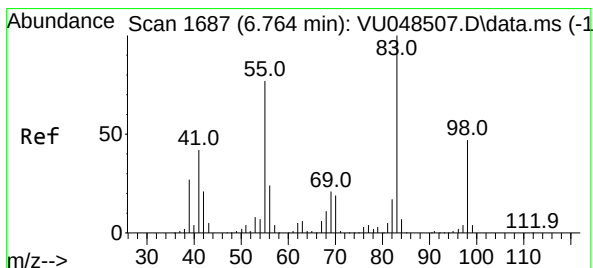
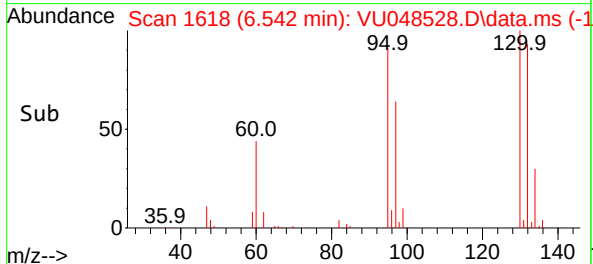
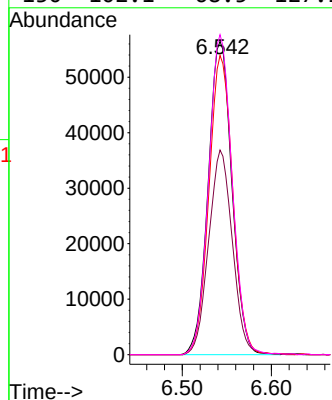
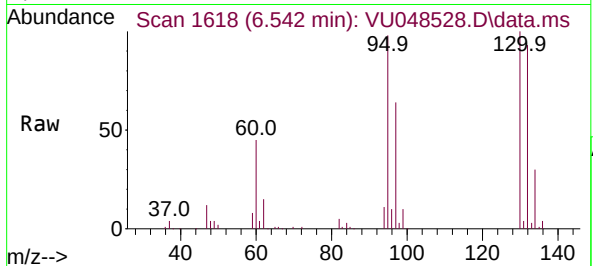




#34
Trichloroethene
Concen: 47.077 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

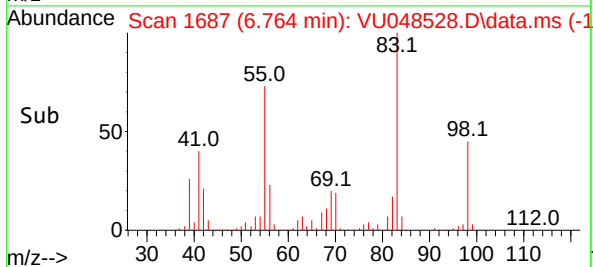
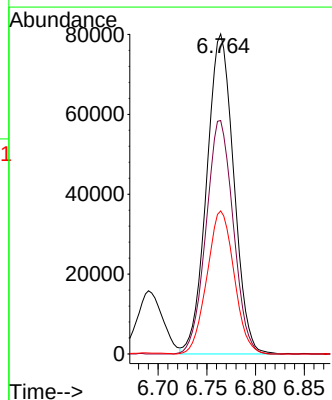
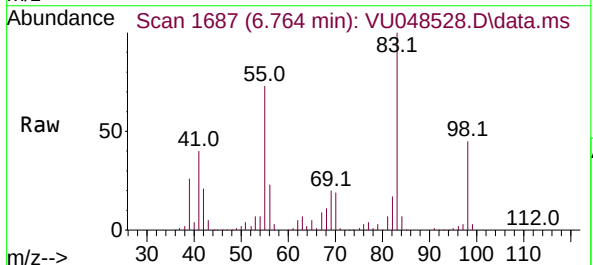
Instrument :
MSVOA_U
ClientSampleId :

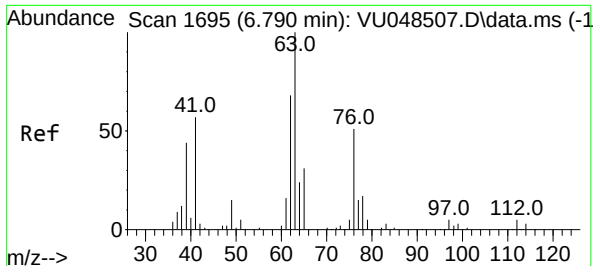
Tgt Ion: 95 Resp: 104608
Ion Ratio Lower Upper
95 100
97 65.3 46.6 86.6
132 95.5 67.3 124.9
130 102.1 68.5 127.1



#35
Methylcyclohexane
Concen: 43.696 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Tgt Ion: 83 Resp: 154916
Ion Ratio Lower Upper
83 100
55 73.3 63.4 95.2
98 44.8 35.9 53.9





#37

1,2-Dichloropropane

Concen: 39.939 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048528.D

Acq: 11 May 2022 19:35

Instrument :

MSVOA_U

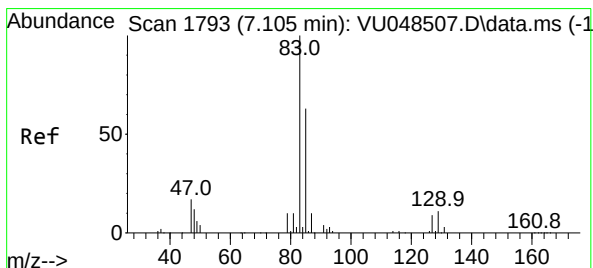
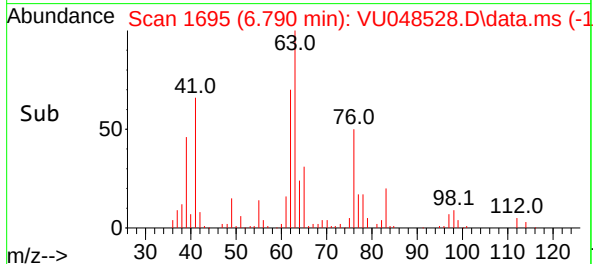
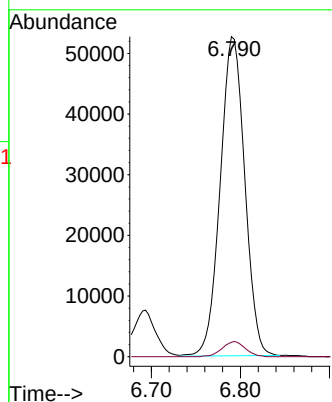
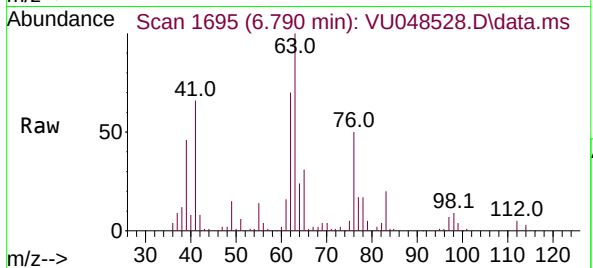
ClientSampleId :

Tgt Ion: 63 Resp: 100767

Ion Ratio Lower Upper

63 100

112 4.5 3.1 4.7



#38

Bromodichloromethane

Concen: 50.434 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU048528.D

Acq: 11 May 2022 19:35

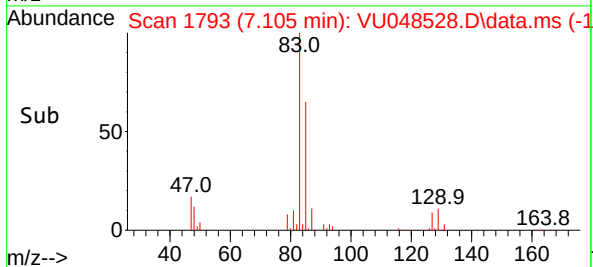
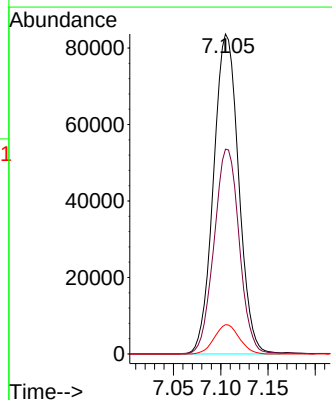
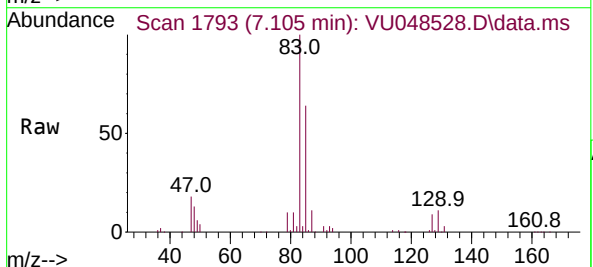
Tgt Ion: 83 Resp: 154937

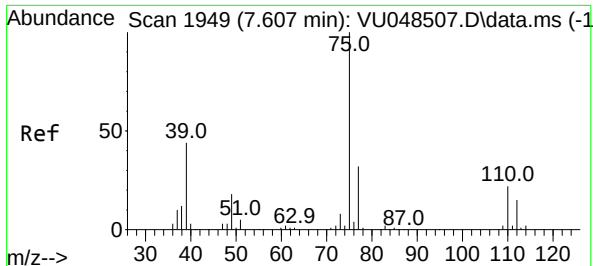
Ion Ratio Lower Upper

83 100

85 64.0 45.5 84.5

127 9.1 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 46.101 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU048528.D

Acq: 11 May 2022 19:35

Instrument :

MSVOA_U

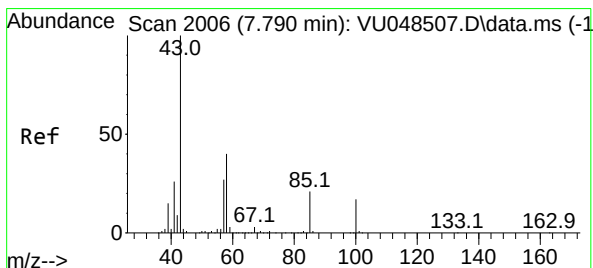
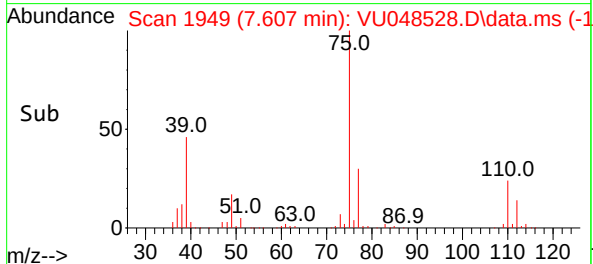
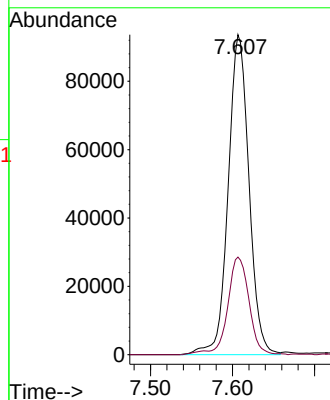
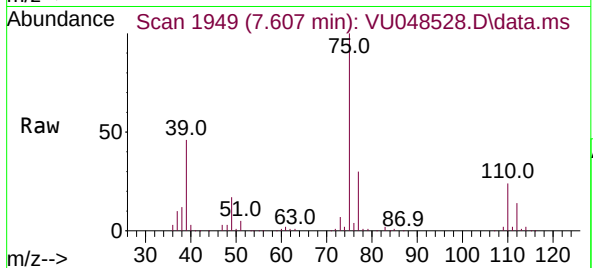
ClientSampleId :

Tgt Ion: 75 Resp: 165438

Ion Ratio Lower Upper

75 100

77 30.5 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 76.648 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU048528.D

Acq: 11 May 2022 19:35

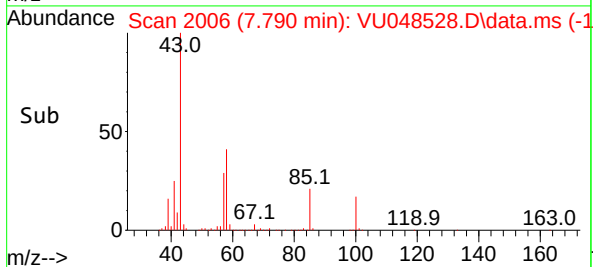
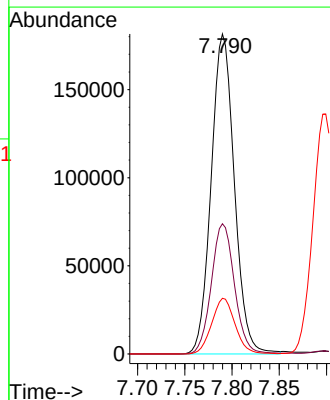
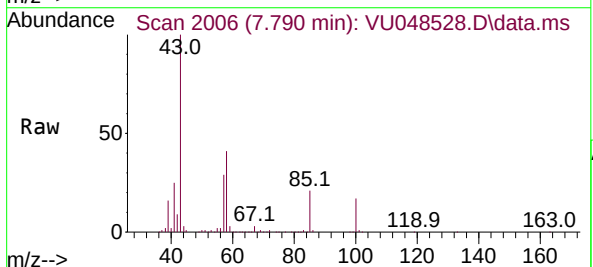
Tgt Ion: 43 Resp: 309849

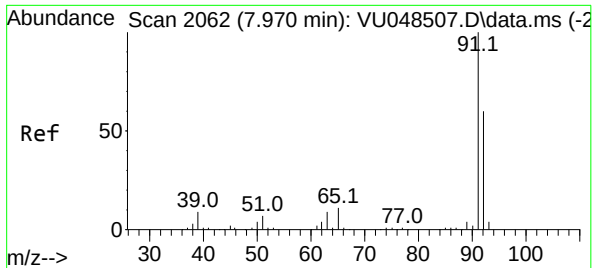
Ion Ratio Lower Upper

43 100

58 40.7 31.0 46.4

100 17.5 11.2 16.8





#42

Toluene

Concen: 46.053 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048528.D

Acq: 11 May 2022 19:35

Instrument :

MSVOA_U

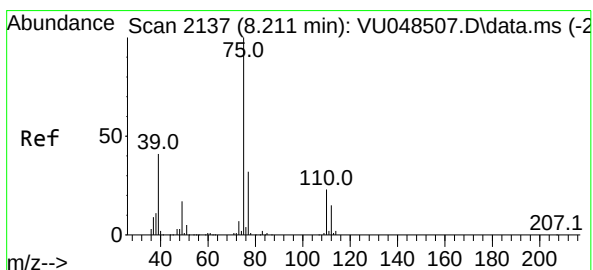
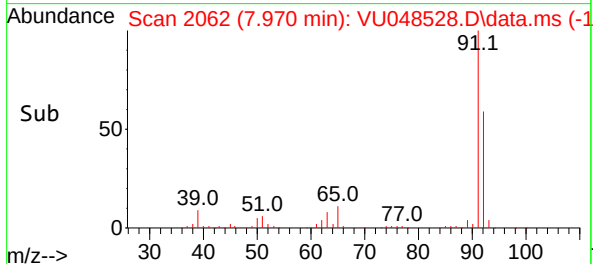
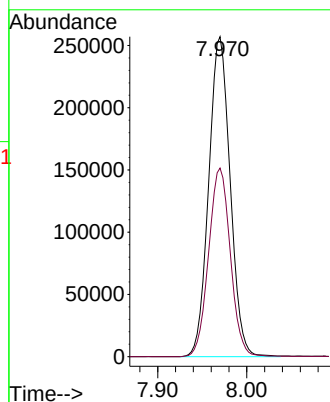
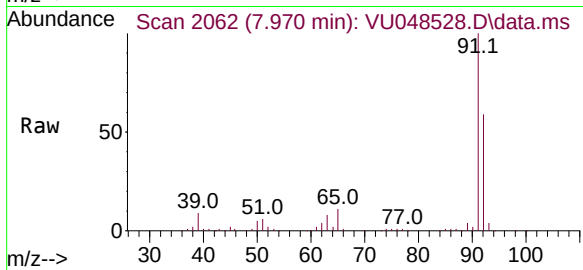
ClientSampleId :

Tgt Ion: 91 Resp: 429664

Ion Ratio Lower Upper

91 100

92 58.9 41.7 77.5



#44

trans-1,3-Dichloropropene

Concen: 49.113 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048528.D

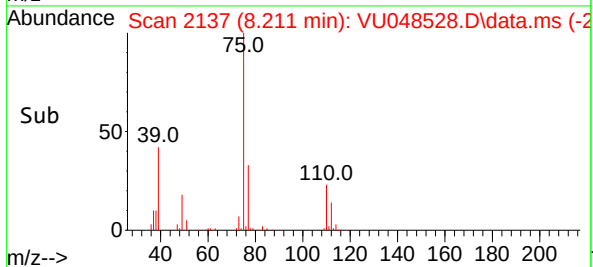
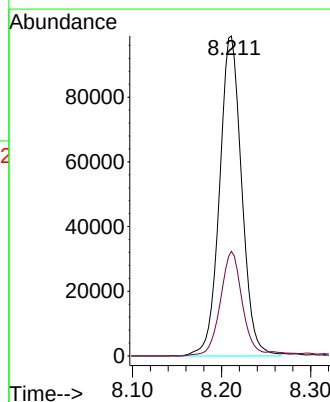
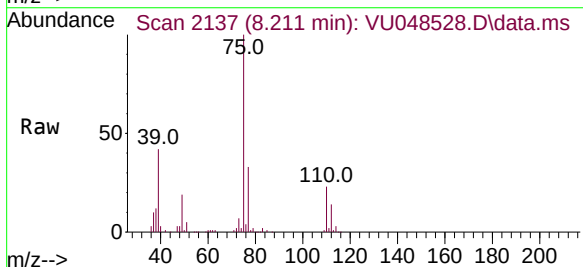
Acq: 11 May 2022 19:35

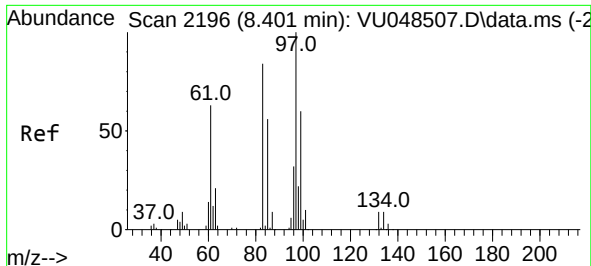
Tgt Ion: 75 Resp: 171276

Ion Ratio Lower Upper

75 100

77 32.7 22.6 42.0

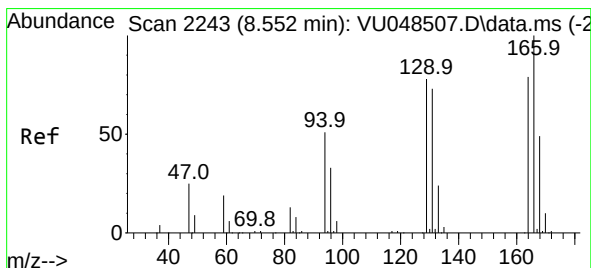
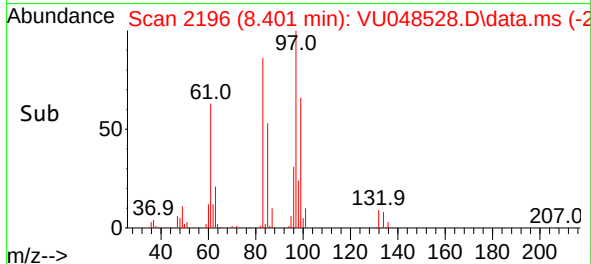
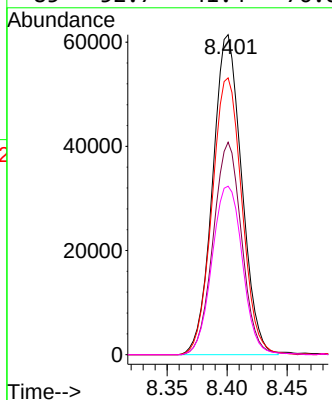
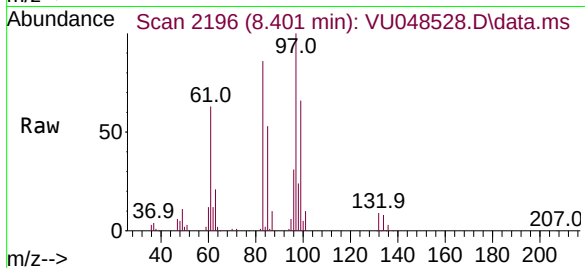




#45
1,1,2-Trichloroethane
Concen: 45.420 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

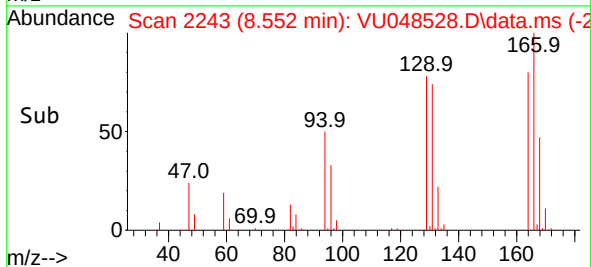
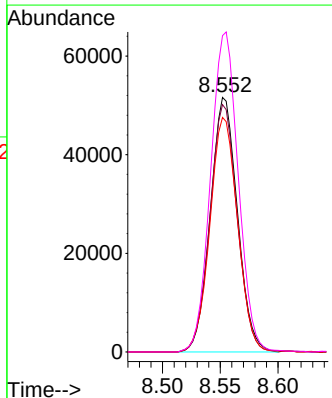
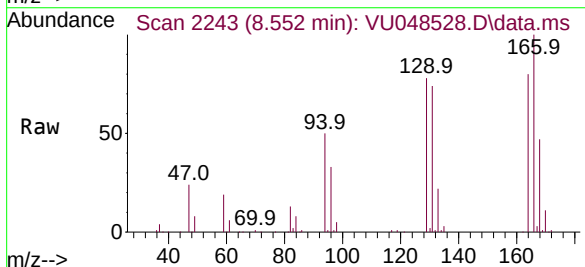
Instrument :
MSVOA_U
ClientSampleId :

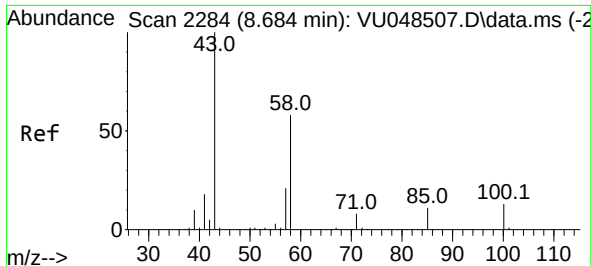
Tgt Ion:	97	Resp:	103632
Ion	Ratio	Lower	Upper
97	100		
99	66.4	43.5	80.9
83	86.5	60.5	112.5
85	52.7	41.4	76.8



#46
Tetrachloroethene
Concen: 50.451 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Tgt Ion:	164	Resp:	84217
Ion	Ratio	Lower	Upper
164	100		
129	97.2	69.2	128.6
131	92.2	65.2	121.0
166	124.2	86.6	160.8

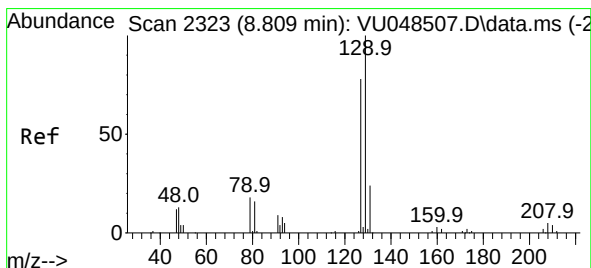
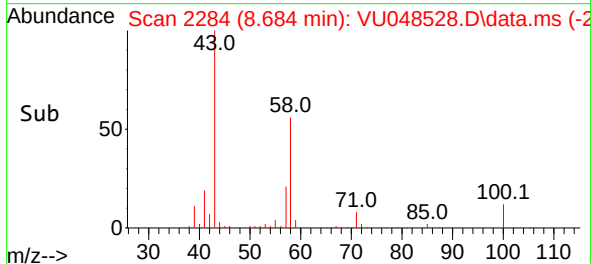
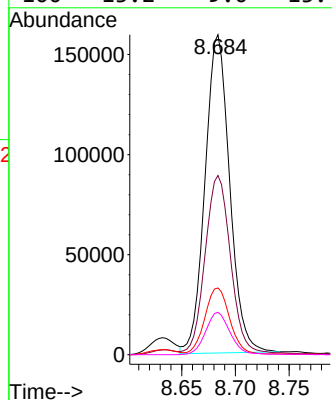
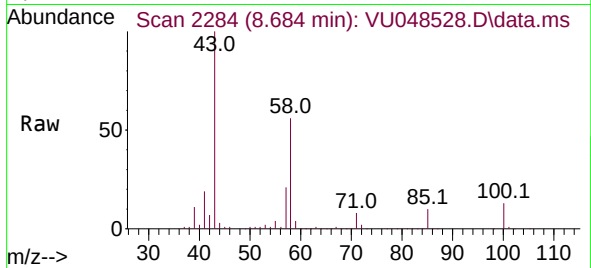




#48
2-Hexanone
Concen: 75.583 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

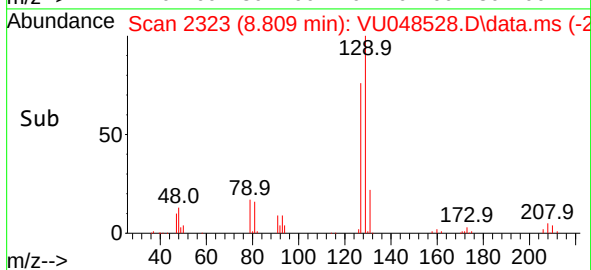
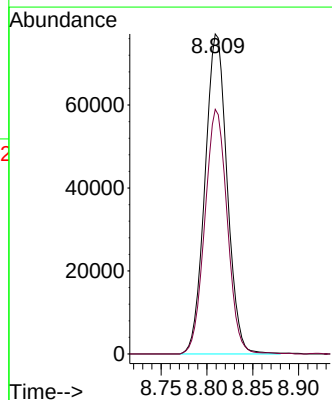
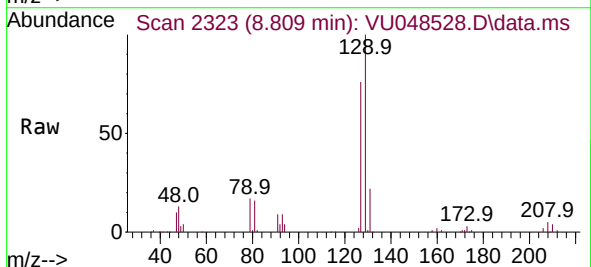
Instrument :
MSVOA_U
ClientSampleId :

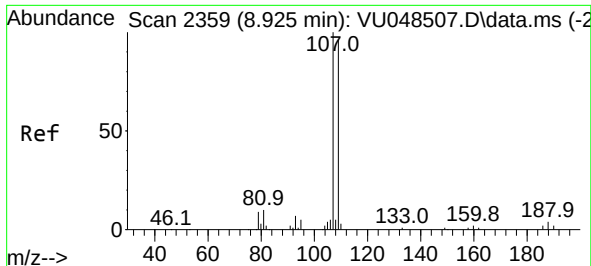
Tgt Ion: 43	Resp: 253929
Ion Ratio	Lower Upper
43 100	
58 58.3	44.3 66.5
57 20.9	15.7 23.5
100 13.2	9.0 13.4



#49
Dibromochloromethane
Concen: 52.935 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Tgt Ion:129	Resp: 129708		
Ion Ratio	Lower	Upper	
129 100			
127 76.5	55.2	102.4	

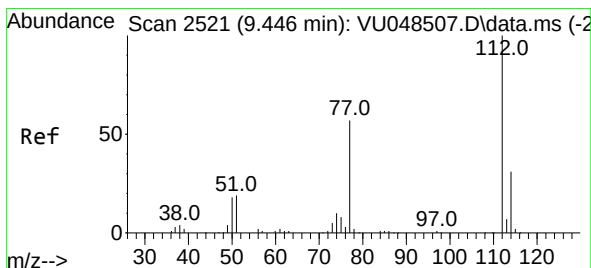
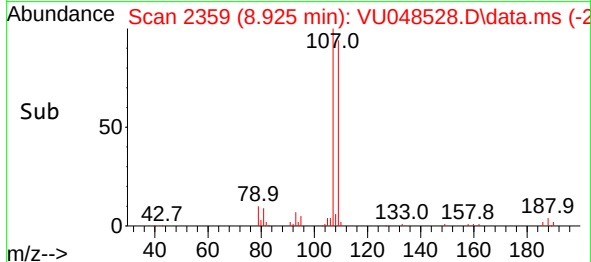
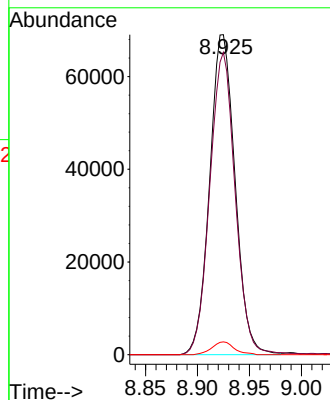
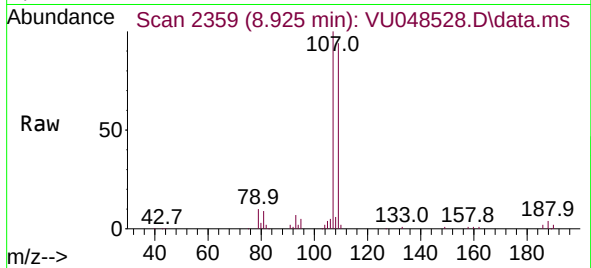




#50
1,2-Dibromoethane
Concen: 48.650 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

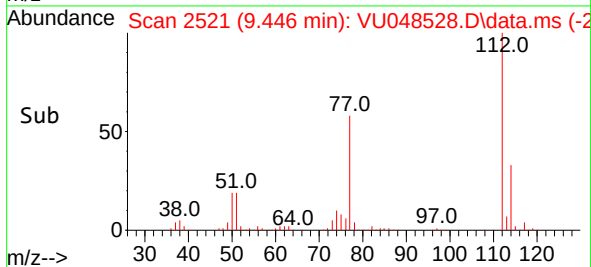
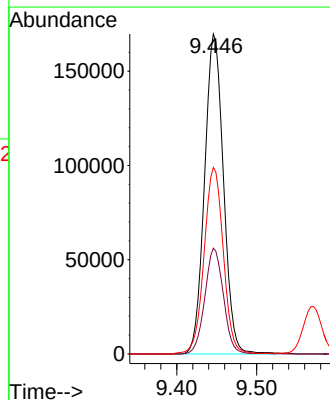
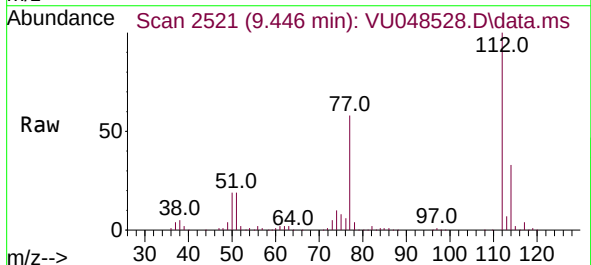
Instrument :
MSVOA_U
ClientSampleId :

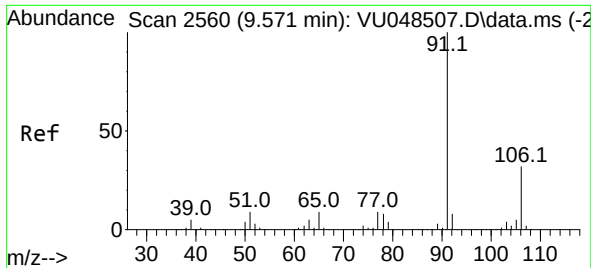
Tgt Ion:107 Resp: 117337
Ion Ratio Lower Upper
107 100
109 94.4 65.7 122.1
188 4.0 2.9 4.3



#51
Chlorobenzene
Concen: 47.606 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Tgt Ion:112 Resp: 279857
Ion Ratio Lower Upper
112 100
114 33.1 23.0 42.6
77 58.3 48.4 72.6

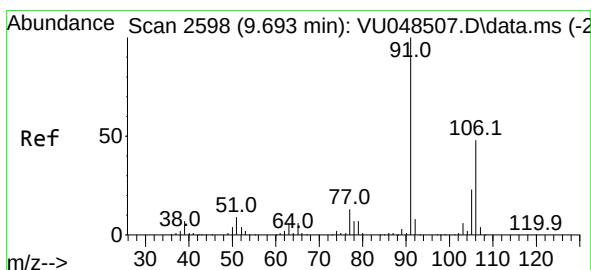
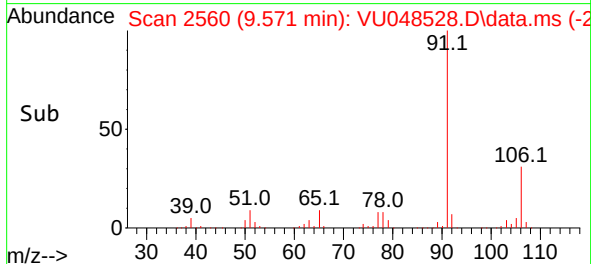
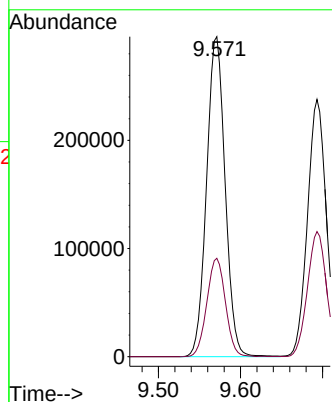
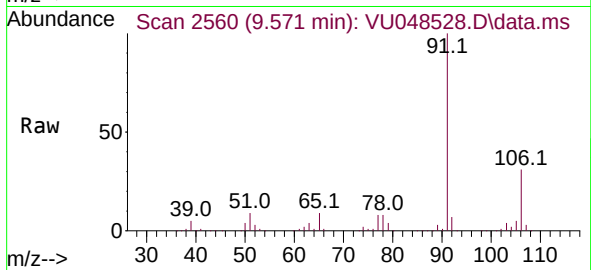




#52
Ethylbenzene
Concen: 47.936 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

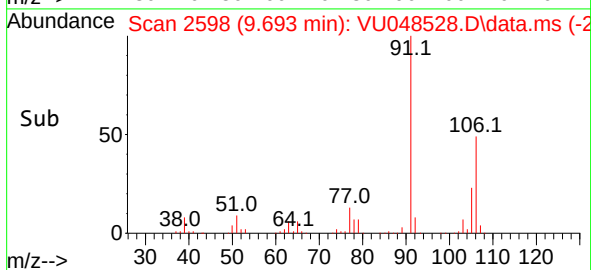
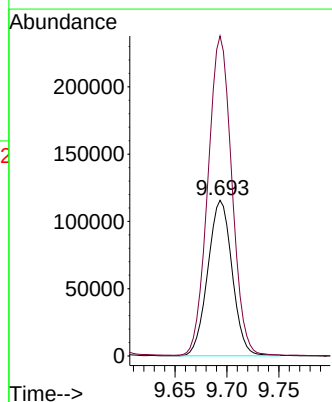
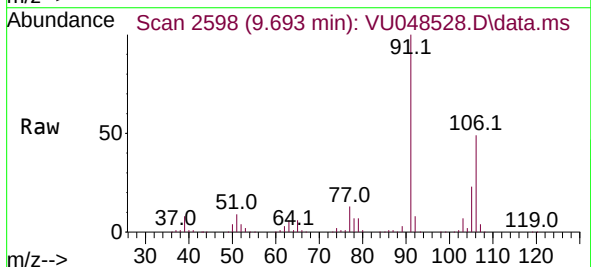
Instrument :
MSVOA_U
ClientSampleId :

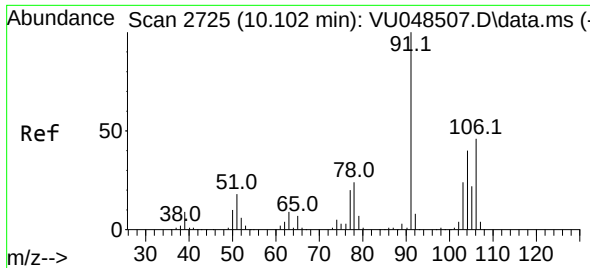
Tgt Ion: 91 Resp: 465879
Ion Ratio Lower Upper
91 100
106 30.7 21.7 40.3



#53
m,p-Xylene
Concen: 50.053 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Tgt Ion: 106 Resp: 187769
Ion Ratio Lower Upper
106 100
91 205.6 144.1 267.7

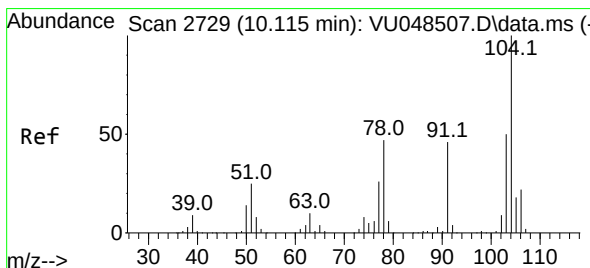
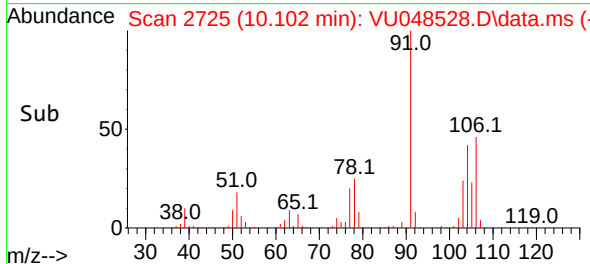
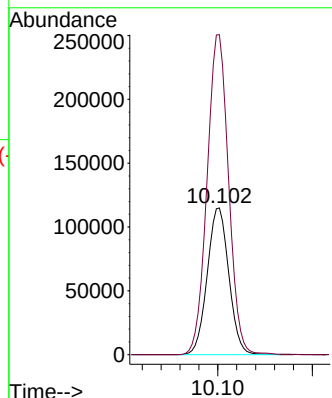
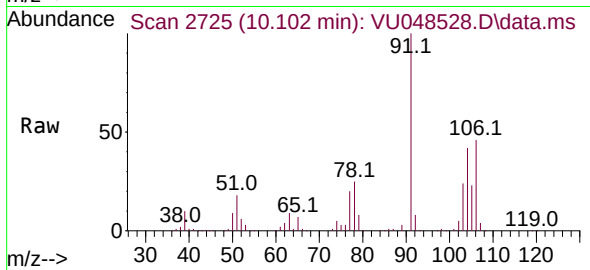




#54
o-Xylene
Concen: 48.336 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

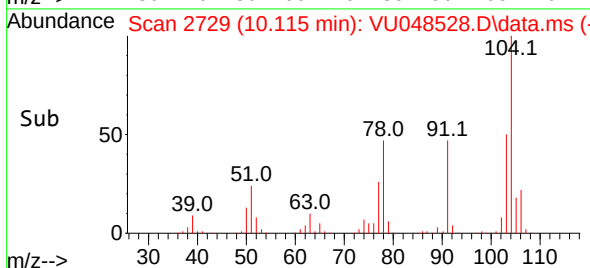
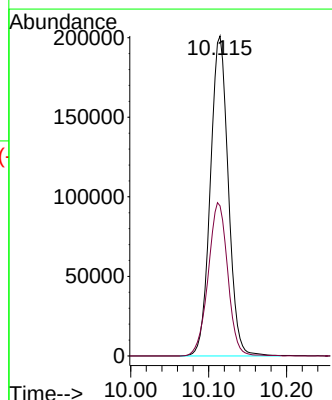
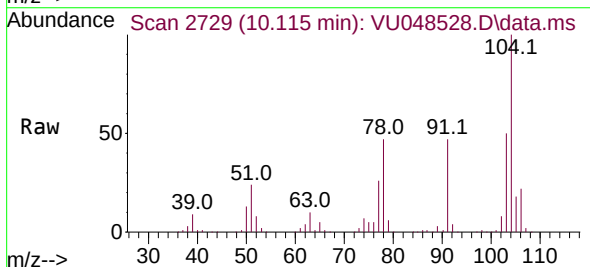
Instrument :
MSVOA_U
ClientSampleId :

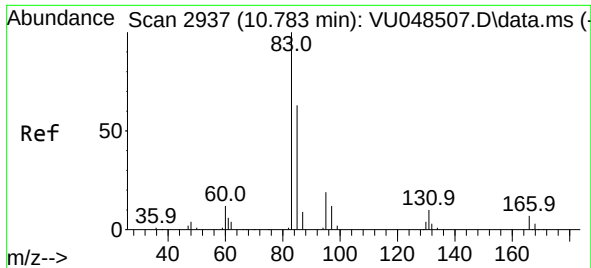
Tgt Ion:106 Resp: 182432
Ion Ratio Lower Upper
106 100
91 218.1 148.8 276.4



#55
Styrene
Concen: 52.507 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Tgt Ion:104 Resp: 322208
Ion Ratio Lower Upper
104 100
78 46.9 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 41.495 ug/L

RT: 10.780 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU048528.D

Acq: 11 May 2022 19:35

Instrument :

MSVOA_U

ClientSampleId :

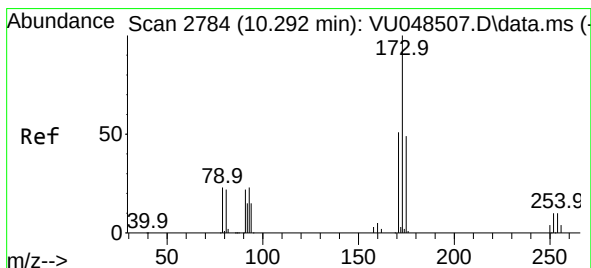
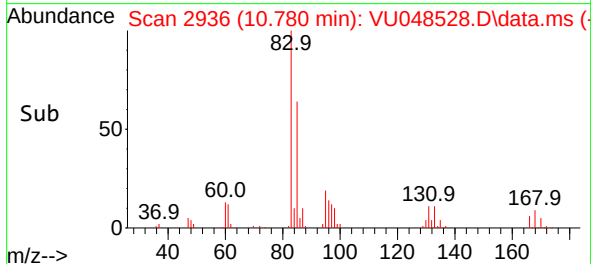
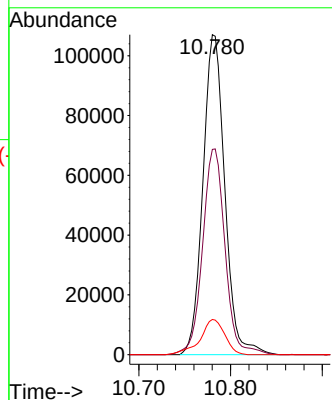
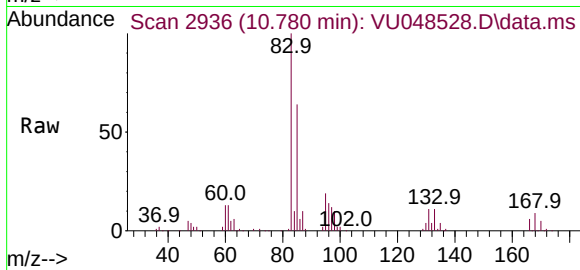
Tgt Ion: 83 Resp: 177448

Ion Ratio Lower Upper

83 100

85 64.2 45.4 84.4

131 11.0 7.4 11.0



#59

Bromoform

Concen: 46.333 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU048528.D

Acq: 11 May 2022 19:35

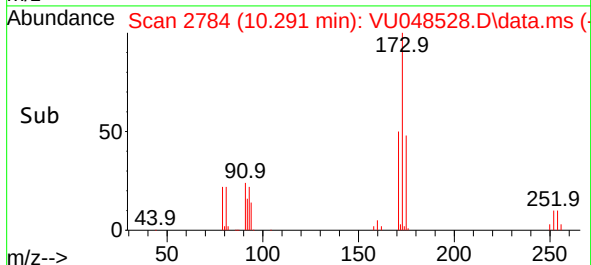
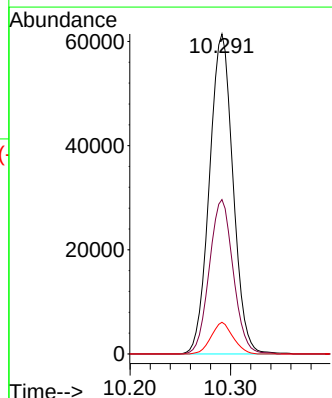
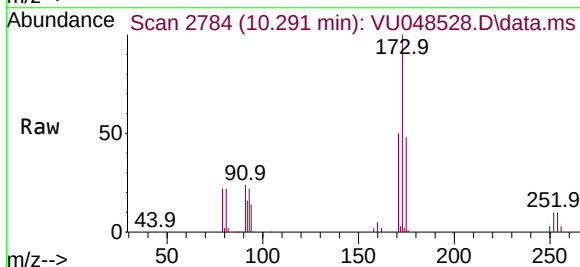
Tgt Ion:173 Resp: 100088

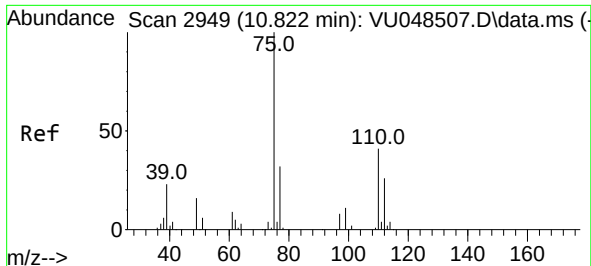
Ion Ratio Lower Upper

173 100

175 48.9 39.1 58.7

254 9.1 7.3 10.9

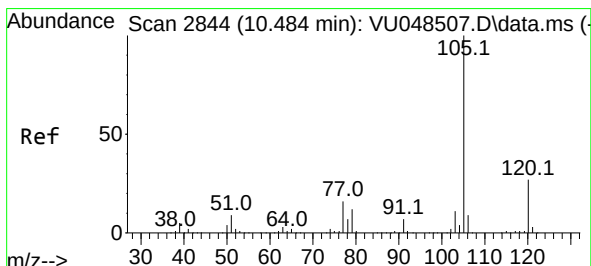
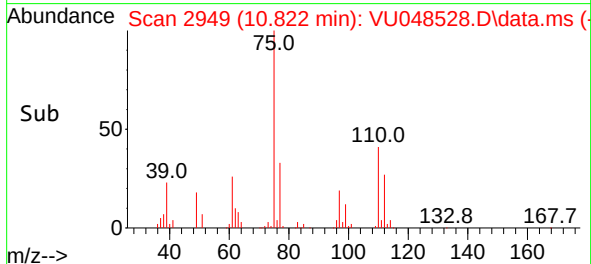
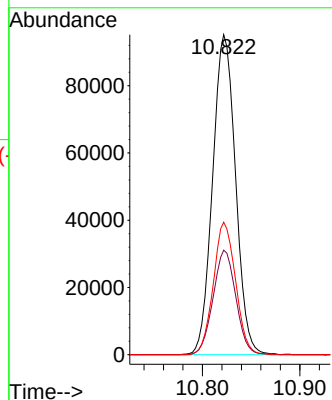
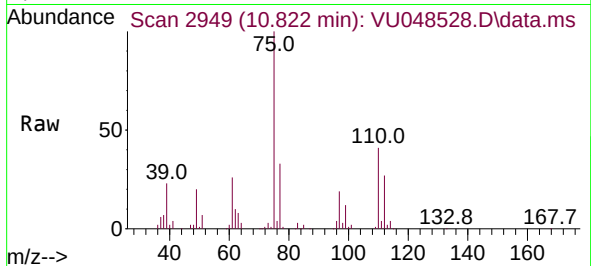




#60
1,2,3-Trichloropropane
Concen: 39.121 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

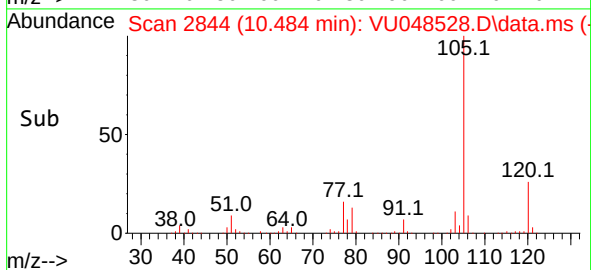
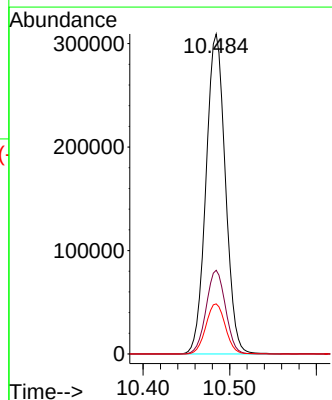
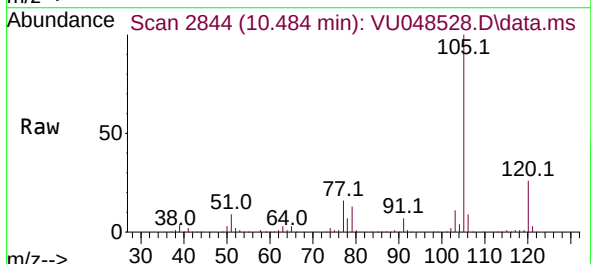
Instrument :
MSVOA_U
ClientSampleId :

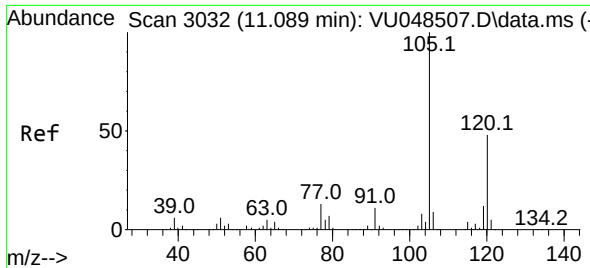
Tgt Ion: 75 Resp: 155544
Ion Ratio Lower Upper
75 100
77 32.5 25.5 38.3
110 40.1 28.9 43.3



#61
Isopropylbenzene
Concen: 44.916 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Tgt Ion: 105 Resp: 479403
Ion Ratio Lower Upper
105 100
120 26.2 21.0 31.4
77 15.8 12.5 18.7

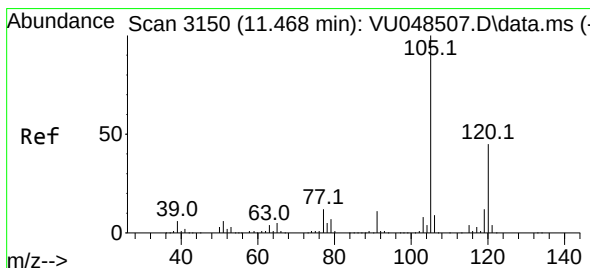
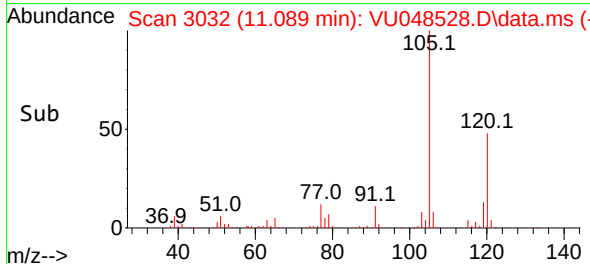
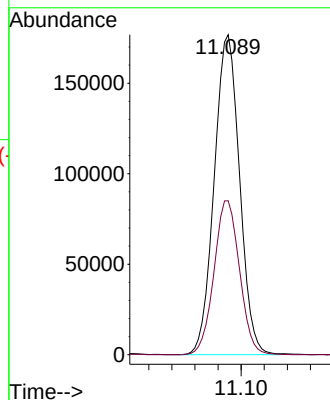
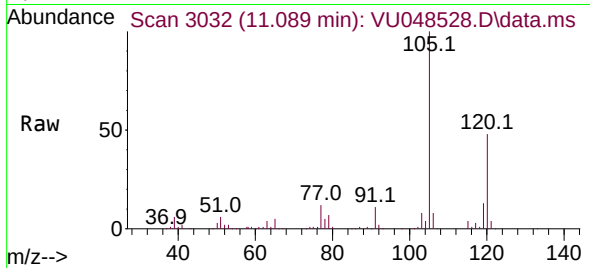




#62
 1,3,5-Trimethylbenzene
 Concen: 45.776 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU048528.D
 Acq: 11 May 2022 19:35

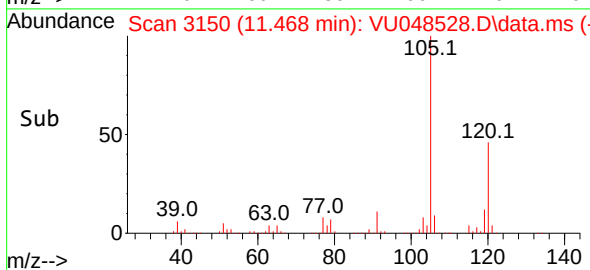
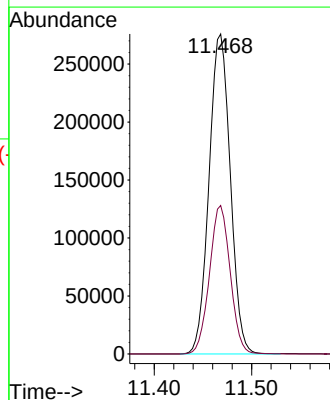
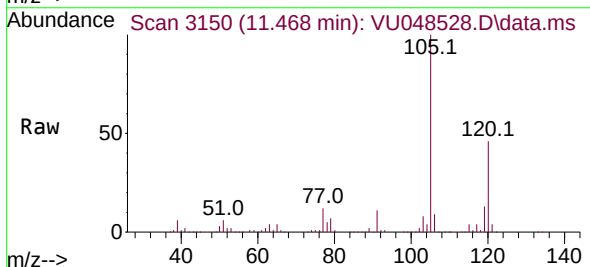
Instrument :
 MSVOA_U
 ClientSampleId :

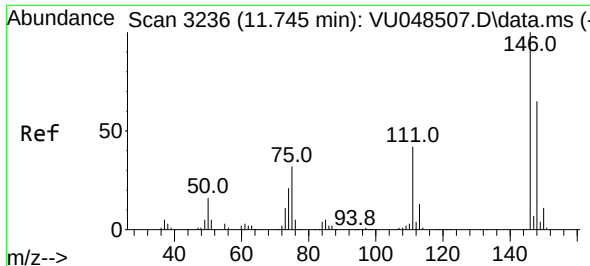
Tgt Ion:105 Resp: 269328
 Ion Ratio Lower Upper
 105 100
 120 48.4 38.5 57.7



#63
 1,2,4-Trimethylbenzene
 Concen: 47.784 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.000 min
 Lab File: VU048528.D
 Acq: 11 May 2022 19:35

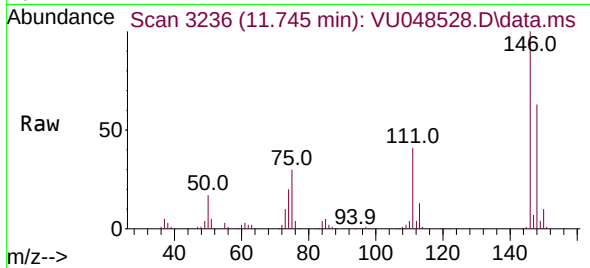
Tgt Ion:105 Resp: 418704
 Ion Ratio Lower Upper
 105 100
 120 45.2 35.4 53.2



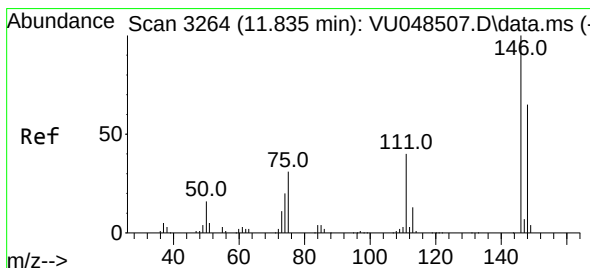
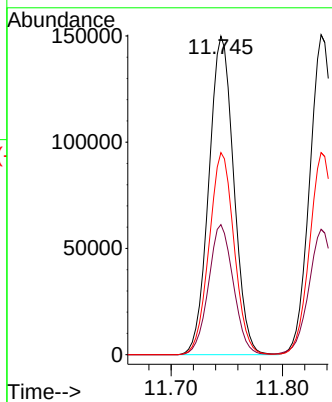
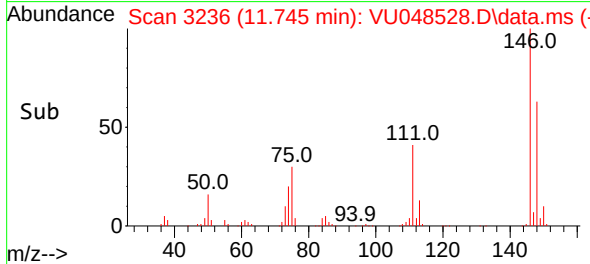


#64
 1,3-Dichlorobenzene
 Concen: 46.309 ug/L
 RT: 11.745 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU048528.D
 Acq: 11 May 2022 19:35

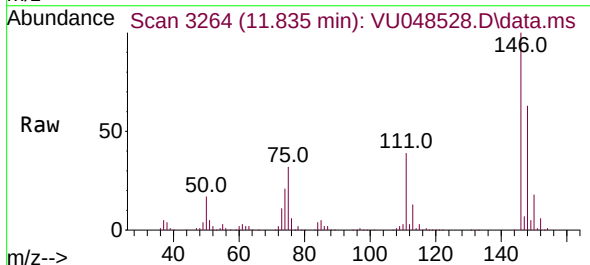
Instrument :
 MSVOA_U
 ClientSampleId :



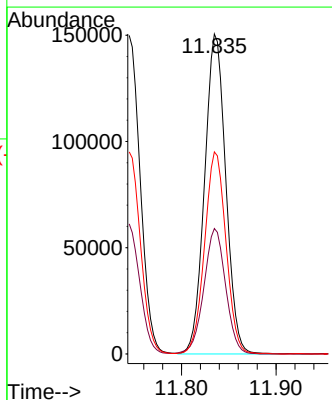
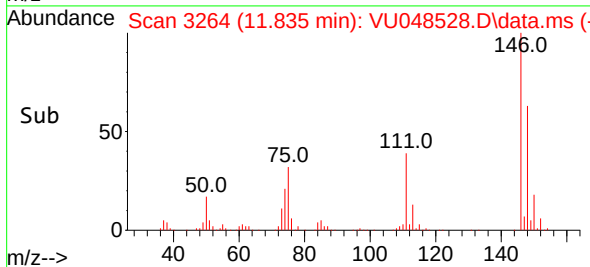
Tgt Ion:146 Resp: 233113
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.3 52.7
 148 63.4 44.7 83.1

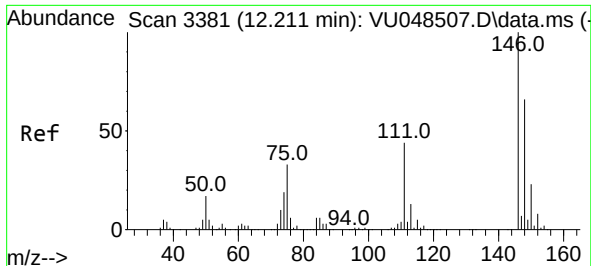


#65
 1,4-Dichlorobenzene
 Concen: 46.452 ug/L
 RT: 11.835 min Scan# 3264
 Delta R.T. -0.000 min
 Lab File: VU048528.D
 Acq: 11 May 2022 19:35



Tgt Ion:146 Resp: 234440
 Ion Ratio Lower Upper
 146 100
 111 39.2 28.4 52.8
 148 63.1 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 45.815 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU048528.D

Acq: 11 May 2022 19:35

Instrument :

MSVOA_U

ClientSampleId :

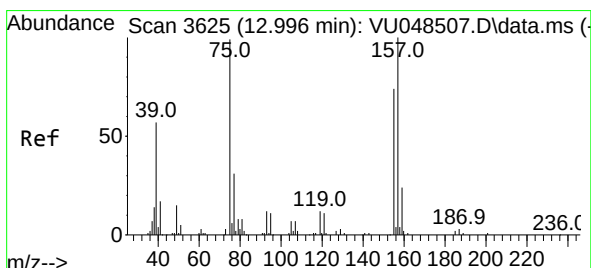
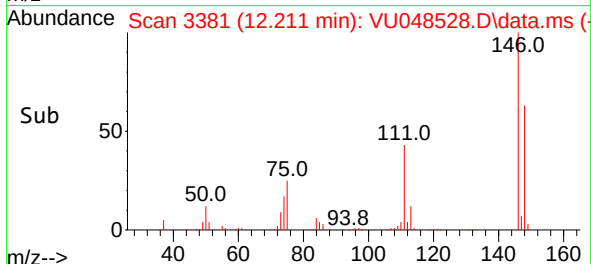
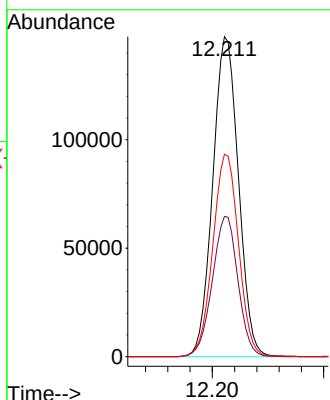
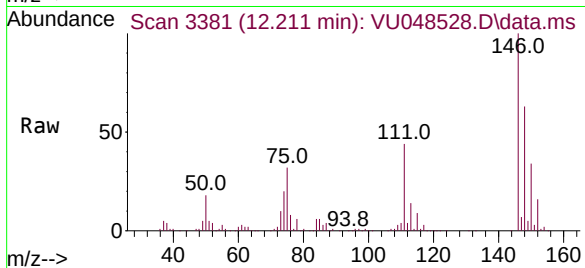
Tgt Ion:146 Resp: 236008

Ion Ratio Lower Upper

146 100

111 43.9 34.9 52.3

148 63.3 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 49.928 ug/L

RT: 12.995 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU048528.D

Acq: 11 May 2022 19:35

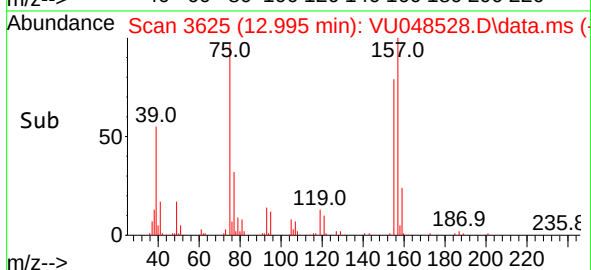
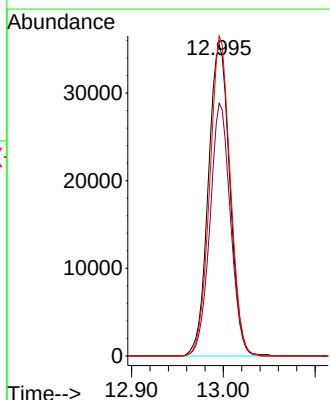
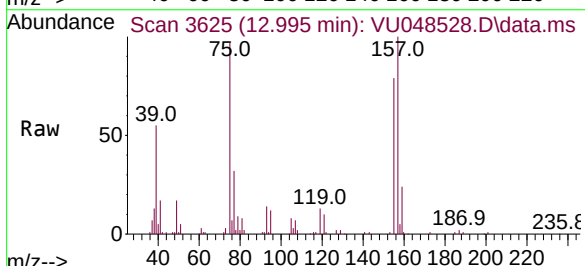
Tgt Ion: 75 Resp: 58184

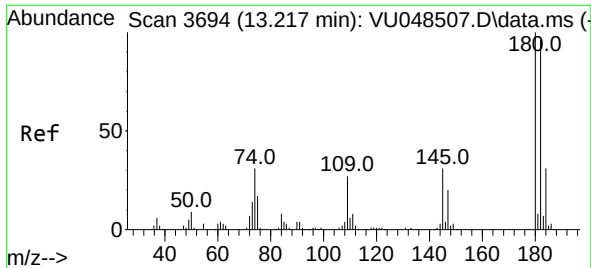
Ion Ratio Lower Upper

75 100

155 81.3 63.4 95.0

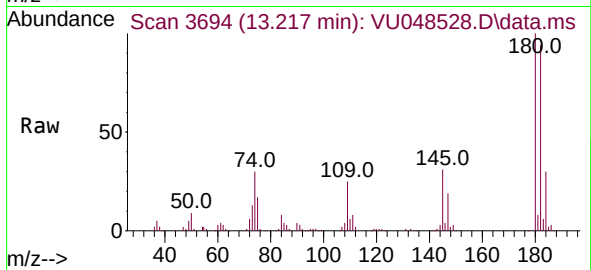
157 103.0 82.2 123.2



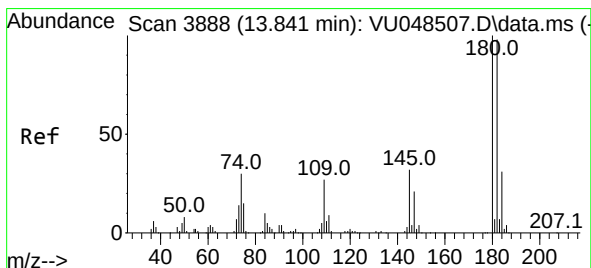
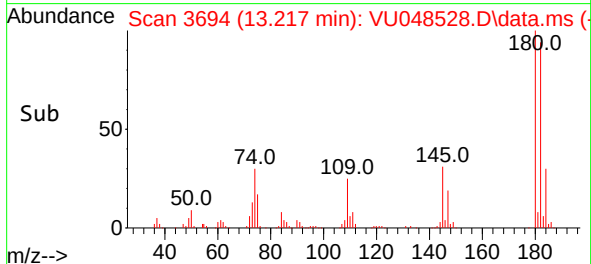
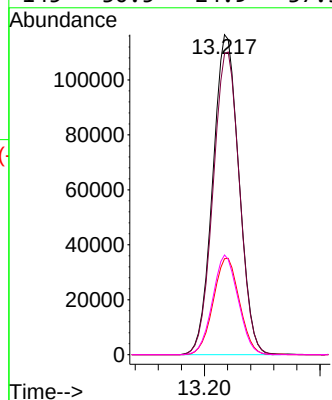


#69
1,3,5-Trichlorobenzene
Concen: 51.433 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. -0.000 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Instrument :
MSVOA_U
ClientSampleId :

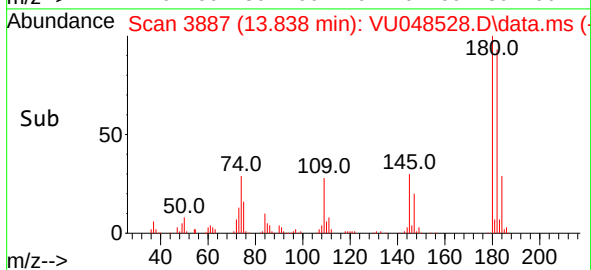
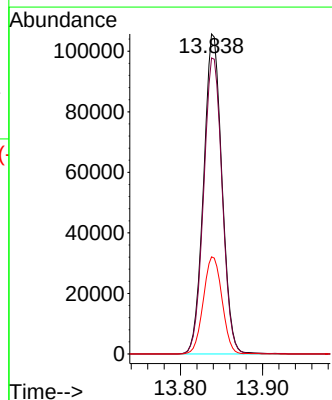
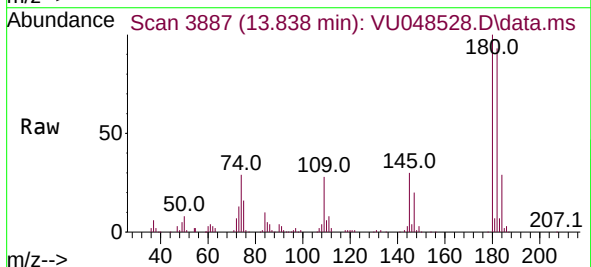


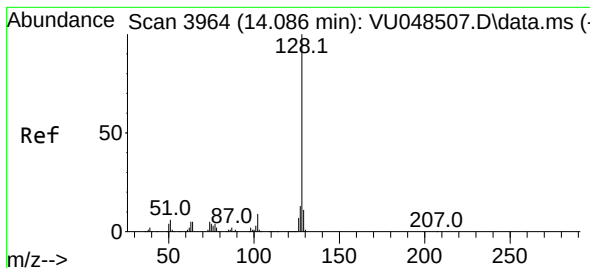
Tgt Ion:180 Resp: 183060
Ion Ratio Lower Upper
180 100
182 95.4 75.7 113.5
184 30.2 23.8 35.8
145 30.5 24.9 37.3



#70
1,2,4-trichlorobenzene
Concen: 53.006 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. -0.003 min
Lab File: VU048528.D
Acq: 11 May 2022 19:35

Tgt Ion:180 Resp: 163836
Ion Ratio Lower Upper
180 100
182 93.7 77.1 115.7
145 30.9 24.9 37.3





#71

Naphthalene

Concen: 46.758 ug/L

RT: 14.085 min Scan# 3964

Delta R.T. -0.000 min

Lab File: VU048528.D

Acq: 11 May 2022 19:35

Instrument :

MSVOA_U

ClientSampleId :

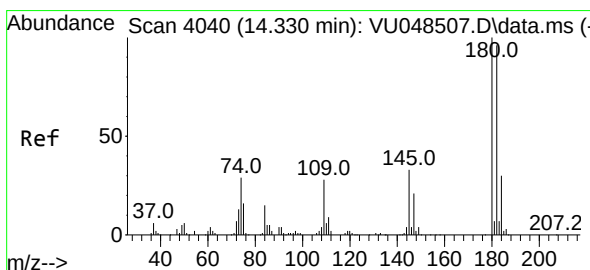
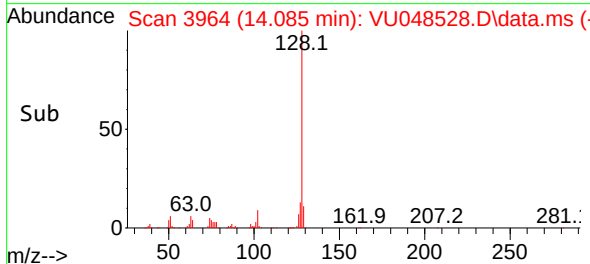
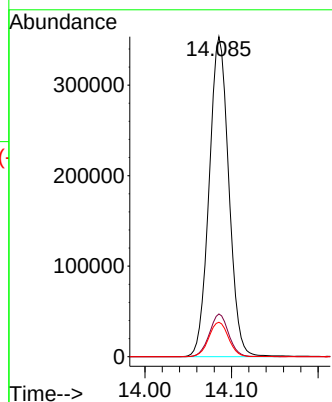
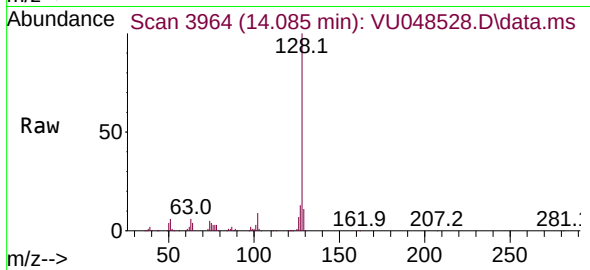
Tgt Ion:128 Resp: 556568

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 50.978 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. -0.000 min

Lab File: VU048528.D

Acq: 11 May 2022 19:35

Tgt Ion:180 Resp: 167584

Ion Ratio Lower Upper

180 100

182 95.8 75.4 113.2

145 34.2 26.4 39.6

