

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041023\
 Data File : VU053607.D
 Acq On : 10 Apr 2023 09:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050191

Quant Time: Apr 11 02:14:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	270185	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	251374	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	132542	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	97834	46.503	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.000%
7) Chloroethane-d5	1.912	69	82289	50.730	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.460%
11) 1,1-Dichloroethene-d2	2.568	63	153498	47.134	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.260%
21) 2-Butanone-d5	4.617	46	95834	100.611	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.610%
24) Chloroform-d	5.057	84	172476	49.571	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.140%
26) 1,2-Dichloroethane-d4	5.697	65	105172	51.155	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.300%
32) Benzene-d6	5.723	84	345164	50.870	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.740%
36) 1,2-Dichloropropane-d6	6.687	67	106139	51.177	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.360%
41) Toluene-d8	7.893	98	321460	47.666	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.340%
43) trans-1,3-Dichloroprop...	8.176	79	44286	41.367	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.740%
47) 2-Hexanone-d5	8.626	63	66944	94.579	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.580%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	146109	49.984	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.960%
66) 1,2-Dichlorobenzene-d4	12.189	152	126848	45.849	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	94298	43.001	ug/L	99
3) Chloromethane	1.520	50	92245	51.192	ug/L	98
5) Vinyl chloride	1.604	62	105225	50.387	ug/L	100
6) Bromomethane	1.855	94	65560	43.145	ug/L	100
8) Chloroethane	1.932	64	65414	52.080	ug/L	95
9) Trichlorofluoromethane	2.138	101	150687	46.913	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	79811	42.903	ug/L	92
12) 1,1-Dichloroethene	2.581	96	74193	44.752	ug/L	96
13) Acetone	2.626	43	57391	67.043	ug/L	95
14) Carbon disulfide	2.793	76	197091	44.941	ug/L	97
15) Methyl Acetate	2.945	43	75719	57.749	ug/L	95
16) Methylene chloride	3.044	84	84245	45.210	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	75082	45.063	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	236758	48.751	ug/L	98
19) 1,1-Dichloroethane	3.864	63	140307	50.836	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	88781	46.132	ug/L	90
22) 2-Butanone	4.700	43	87209	84.091	ug/L	96
23) Bromochloromethane	4.970	128	47006	43.850	ug/L	89
25) Chloroform	5.083	83	156347	49.389	ug/L	99

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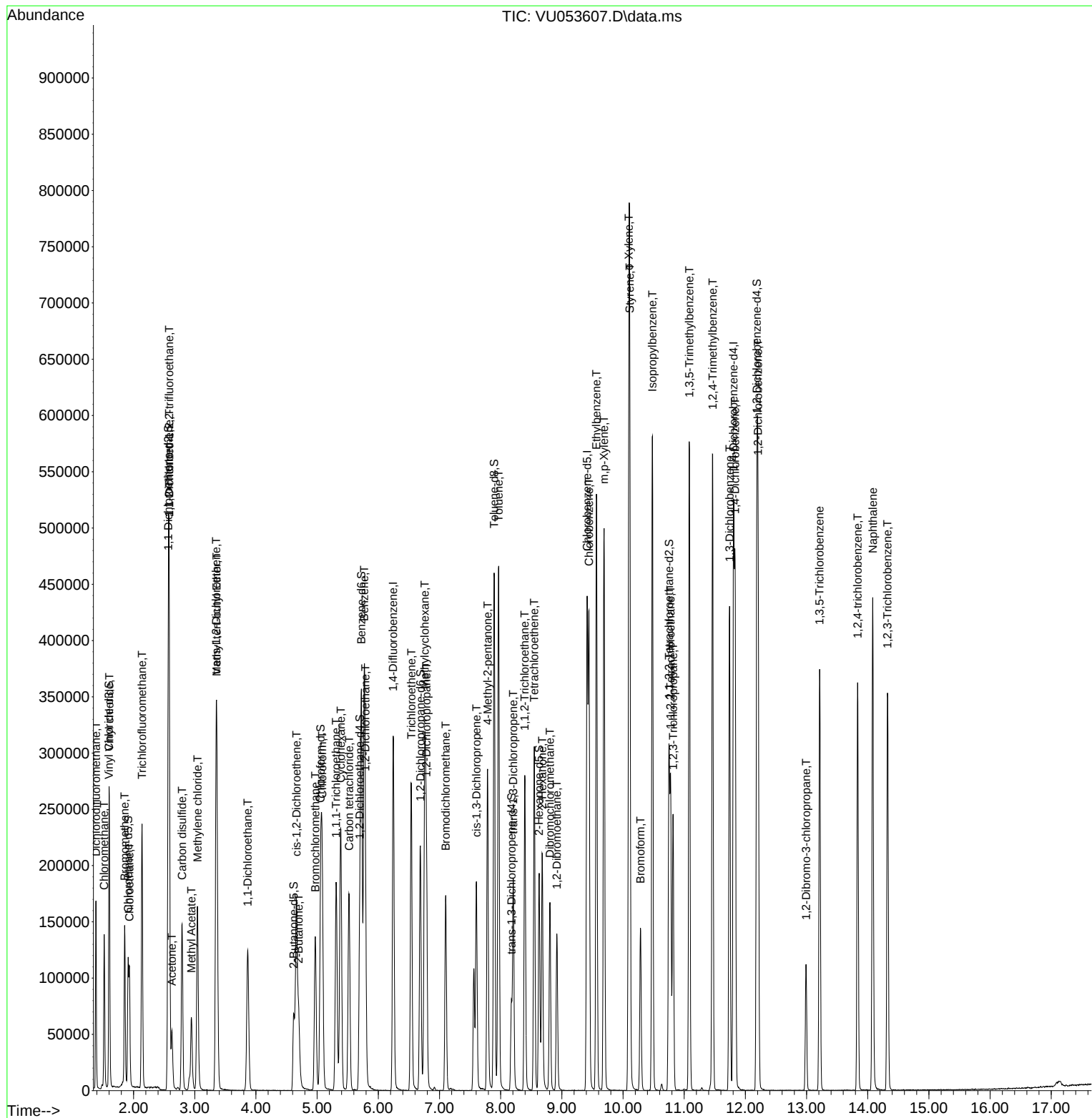
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	114202	49.260	ug/L	98
29) Cyclohexane	5.385	56	119583	49.416	ug/L	95
30) 1,1,1-Trichloroethane	5.311	97	133549	48.216	ug/L	97
31) Carbon tetrachloride	5.523	117	118301	47.671	ug/L	99
33) Benzene	5.771	78	324148	49.493	ug/L	100
34) Trichloroethene	6.539	95	93523	47.213	ug/L	94
35) Methylcyclohexane	6.761	83	128665	44.189	ug/L	99
37) 1,2-Dichloropropane	6.787	63	84358	50.727	ug/L	99
38) Bromodichloromethane	7.102	83	112077	50.519	ug/L	97
39) cis-1,3-Dichloropropene	7.604	75	110827	40.782	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	172711	95.570	ug/L	99
42) Toluene	7.967	91	352799	47.534	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	109162	42.491	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	89682	49.118	ug/L	98
46) Tetrachloroethene	8.549	164	66084	40.202	ug/L	94
48) 2-Hexanone	8.681	43	123689	84.611	ug/L	99
49) Dibromochloromethane	8.806	129	89101	46.932	ug/L	96
50) 1,2-Dibromoethane	8.919	107	93900	45.967	ug/L	99
51) Chlorobenzene	9.443	112	230558	45.085	ug/L	95
52) Ethylbenzene	9.565	91	381208	46.139	ug/L	99
53) m,p-Xylene	9.690	106	149322	46.210	ug/L	98
54) o-Xylene	10.095	106	146453	45.841	ug/L	100
55) Styrene	10.111	104	241392	46.388	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	131515	49.059	ug/L	97
59) Bromoform	10.285	173	64289	47.388	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	102384	53.275	ug/L	98
61) Isopropylbenzene	10.481	105	384800	49.105	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	316103	48.525	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	315003	48.823	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	178361	43.560	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	179510	43.015	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	181251	44.414	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	27466	53.610	ug/L	92
69) 1,3,5-Trichlorobenzene	13.214	180	116961	38.573	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	108756	38.686	ug/L	99
71) Naphthalene	14.082	128	359576	42.733	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	112308	39.997	ug/L	98

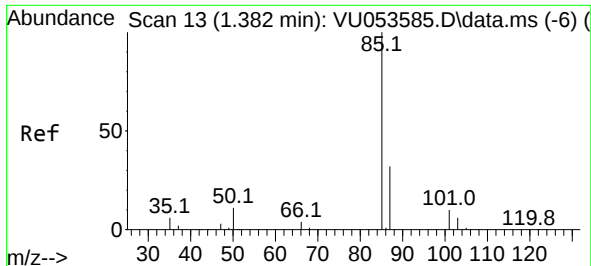
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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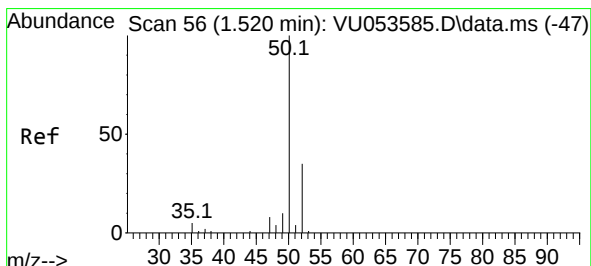
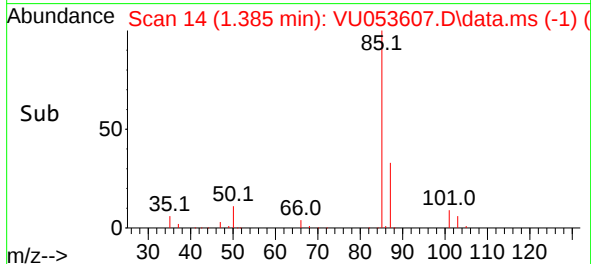
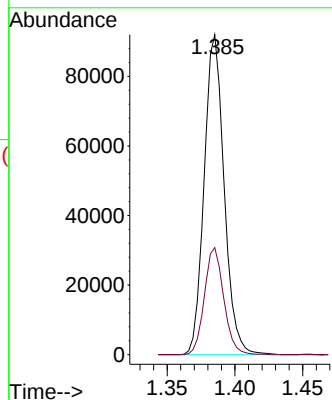
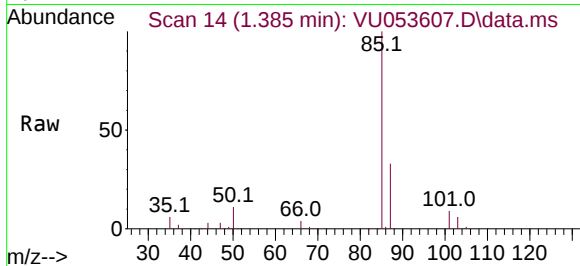




#2
Dichlorodifluoromethane
Concen: 43.001 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

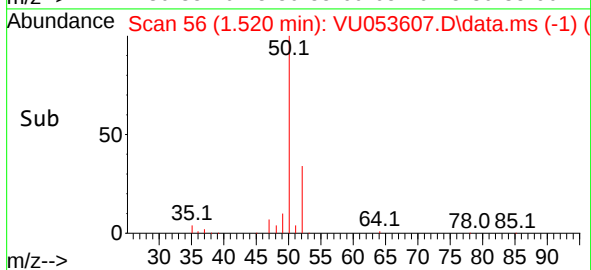
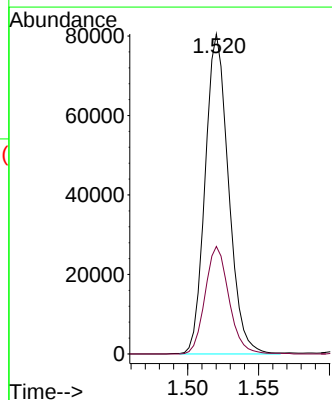
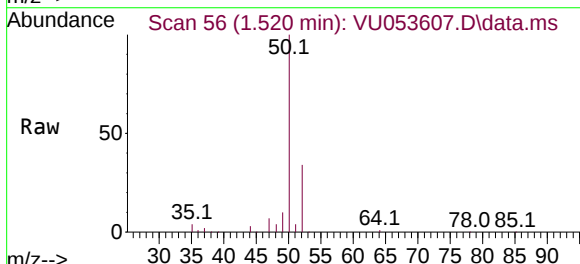
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

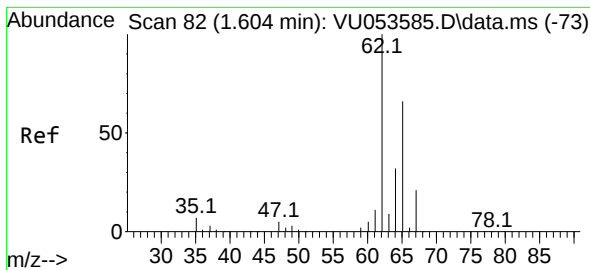
Tgt Ion: 85 Resp: 94298
Ion Ratio Lower Upper
85 100
87 32.4 26.4 39.6



#3
Chloromethane
Concen: 51.192 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

Tgt Ion: 50 Resp: 92245
Ion Ratio Lower Upper
50 100
52 33.6 22.7 42.1





#5

Vinyl chloride

Concen: 50.387 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

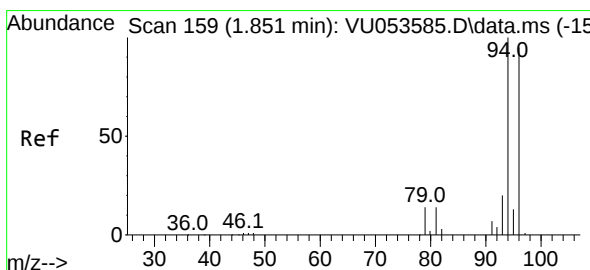
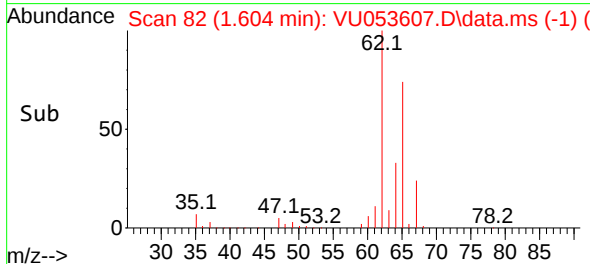
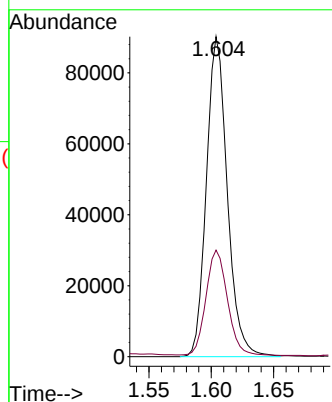
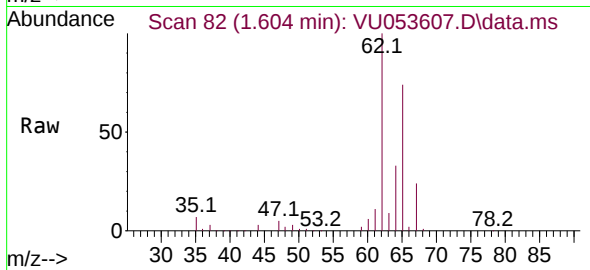
VSTD050191

Tgt Ion: 62 Resp: 105225

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.0



#6

Bromomethane

Concen: 43.145 ug/L

RT: 1.855 min Scan# 160

Delta R.T. 0.003 min

Lab File: VU053607.D

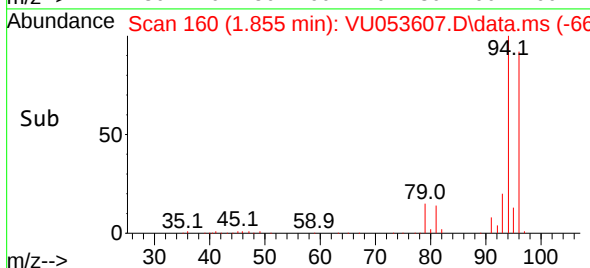
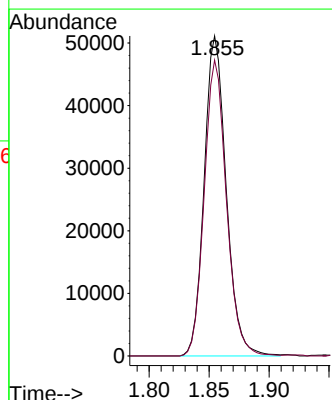
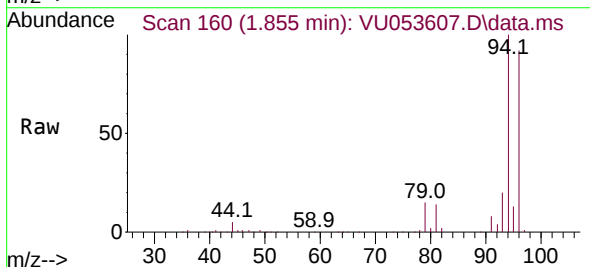
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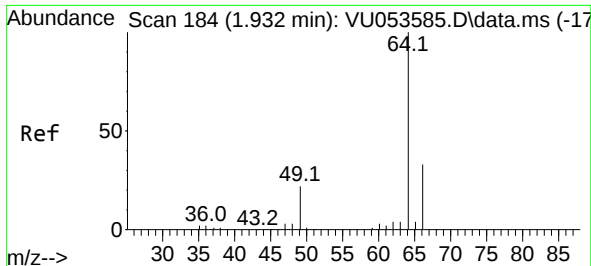
Tgt Ion: 94 Resp: 65560

Ion Ratio Lower Upper

94 100

96 92.5 64.4 119.6

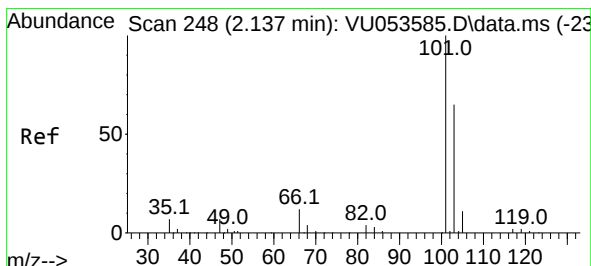
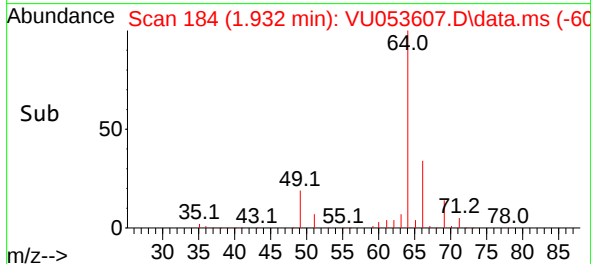
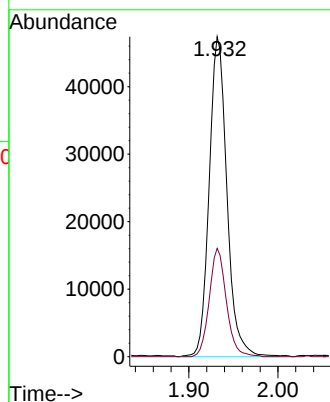
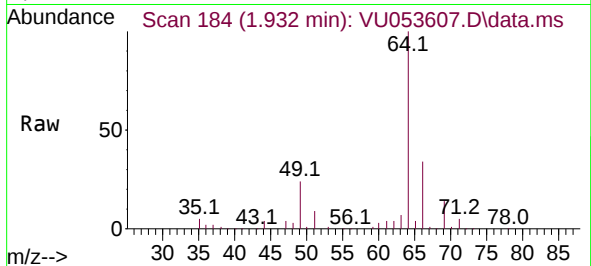




#8
Chloroethane
Concen: 52.080 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

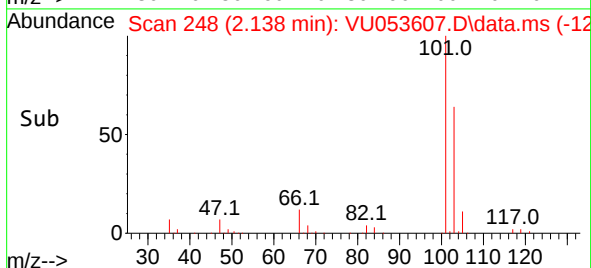
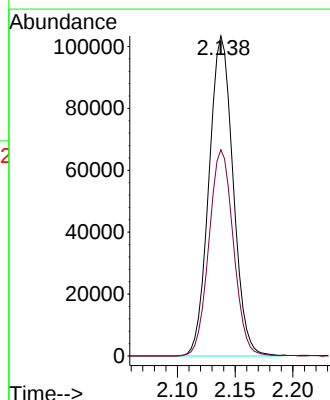
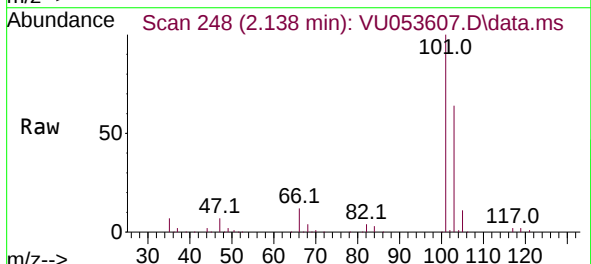
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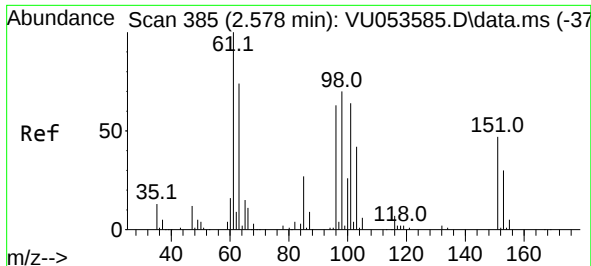
Tgt Ion: 64 Resp: 65414
Ion Ratio Lower Upper
64 100
66 33.8 21.8 40.6



#9
Trichlorofluoromethane
Concen: 46.913 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

Tgt Ion:101 Resp: 150687
Ion Ratio Lower Upper
101 100
103 65.1 52.5 78.7





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 42.903 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.003 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

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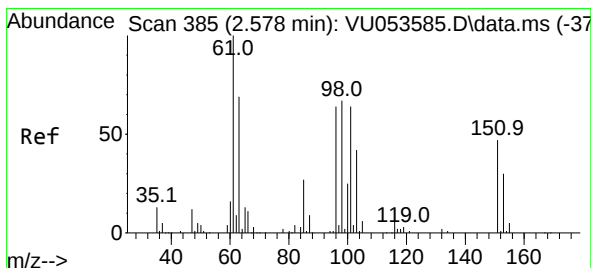
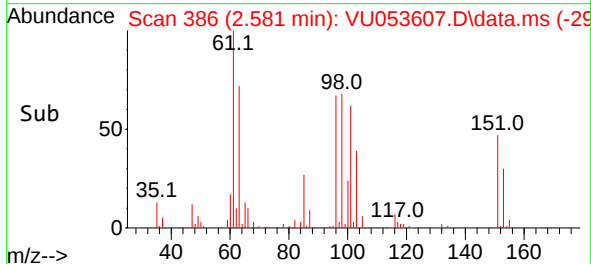
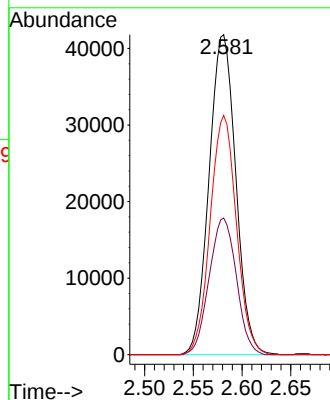
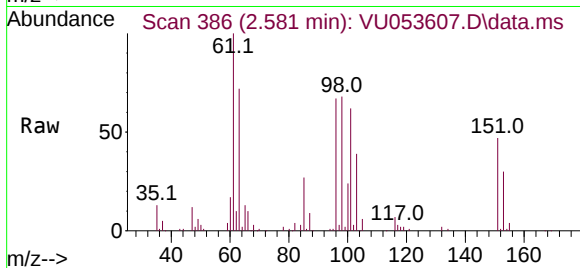
Tgt Ion:101 Resp: 79811

Ion Ratio Lower Upper

101 100

85 43.4 32.6 48.8

151 73.5 65.8 98.6



#12

1,1-Dichloroethene

Concen: 44.752 ug/L

RT: 2.581 min Scan# 386

Delta R.T. 0.003 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

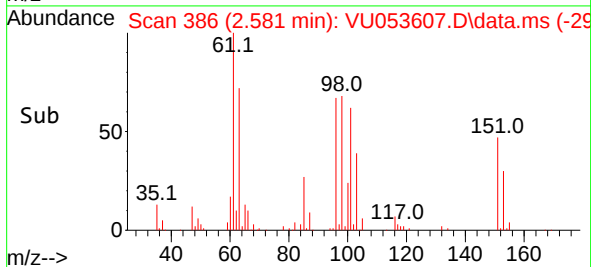
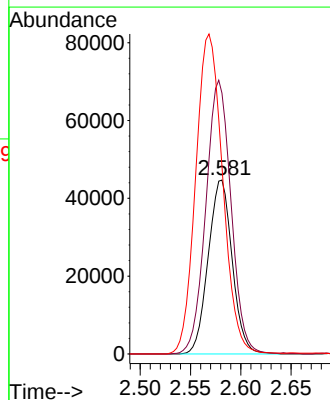
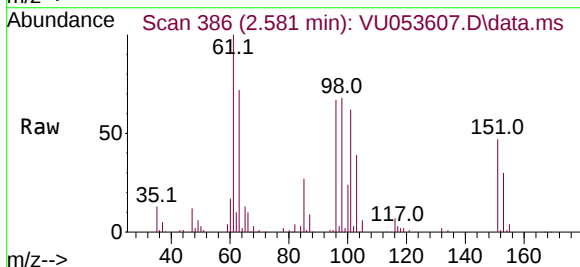
Tgt Ion: 96 Resp: 74193

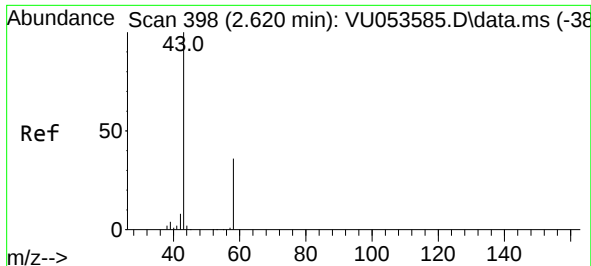
Ion Ratio Lower Upper

96 100

61 150.1 107.9 200.5

63 108.1 79.1 146.9





#13

Acetone

Concen: 67.043 ug/L

RT: 2.626 min Scan# 40

Delta R.T. 0.007 min

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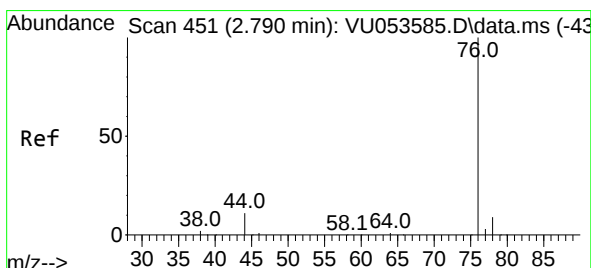
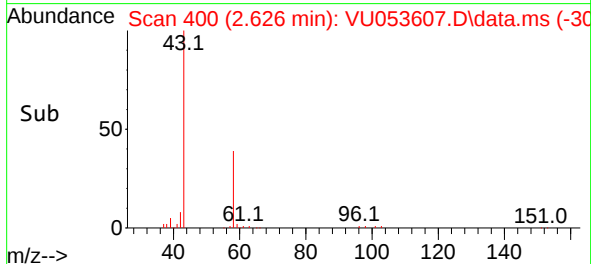
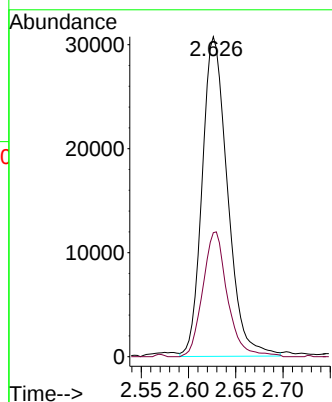
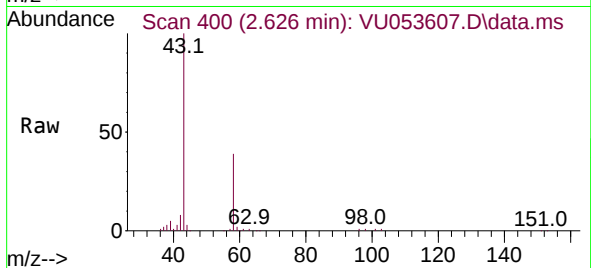
VSTD050191

Tgt Ion: 43 Resp: 57391

Ion Ratio Lower Upper

43 100

58 38.0 0.0 70.2



#14

Carbon disulfide

Concen: 44.941 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU053607.D

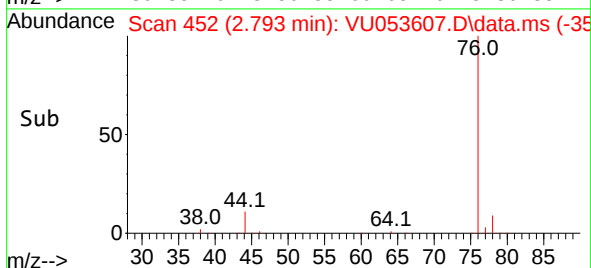
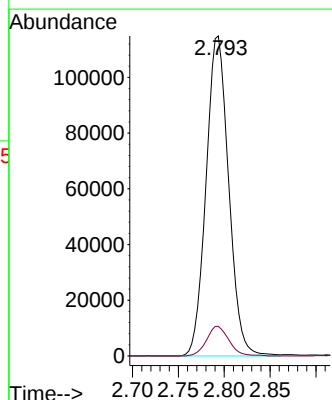
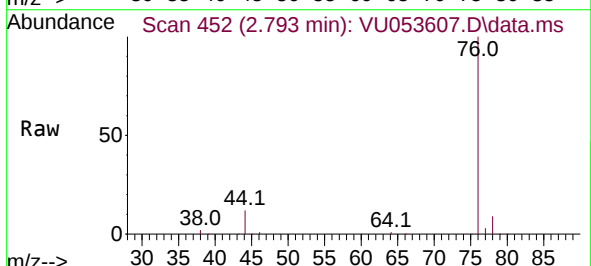
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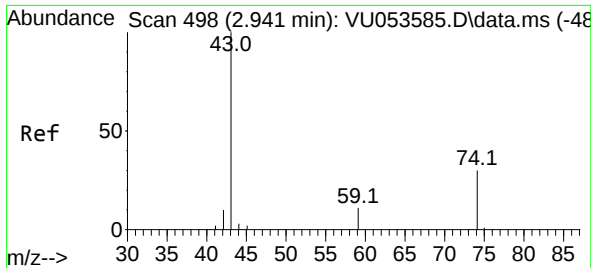
Tgt Ion: 76 Resp: 197091

Ion Ratio Lower Upper

76 100

78 9.2 8.2 12.2

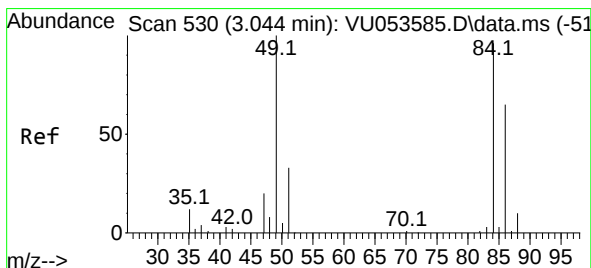
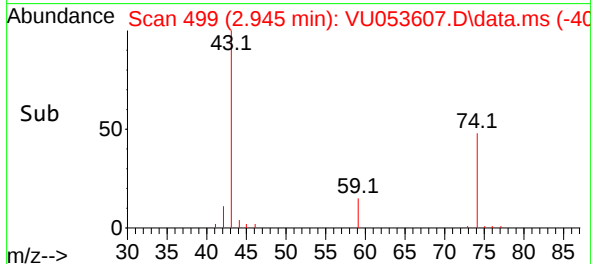
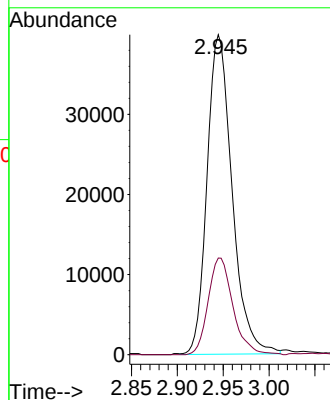
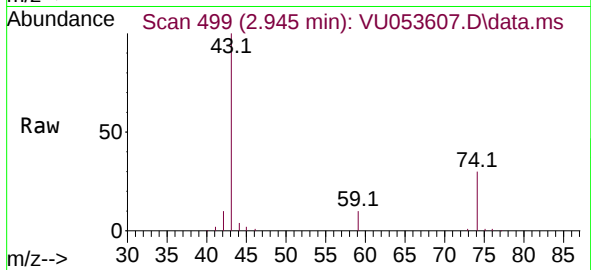




#15
Methyl Acetate
Concen: 57.749 ug/L
RT: 2.945 min Scan# 499
Delta R.T. 0.003 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

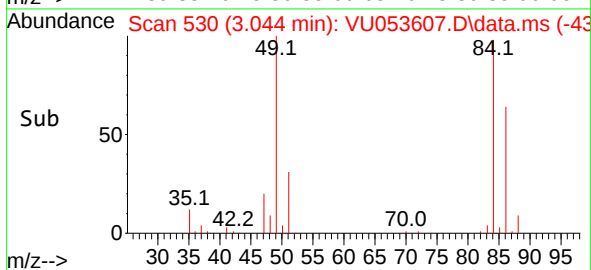
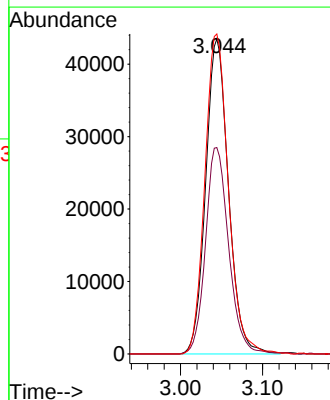
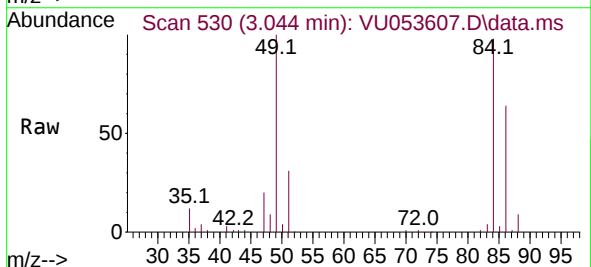
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

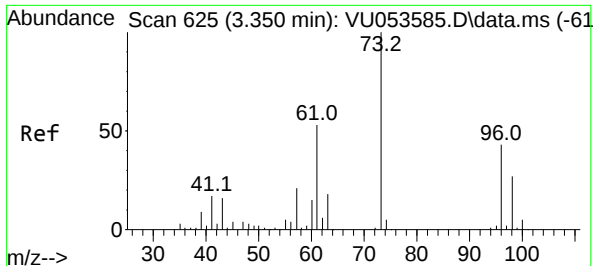
Tgt Ion: 43 Resp: 75719
Ion Ratio Lower Upper
43 100
74 30.0 22.0 33.0



#16
Methylene chloride
Concen: 45.210 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

Tgt Ion: 84 Resp: 84245
Ion Ratio Lower Upper
84 100
86 65.5 43.5 80.9
49 101.6 69.7 129.5





#17

trans-1,2-Dichloroethene

Concen: 45.063 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050191

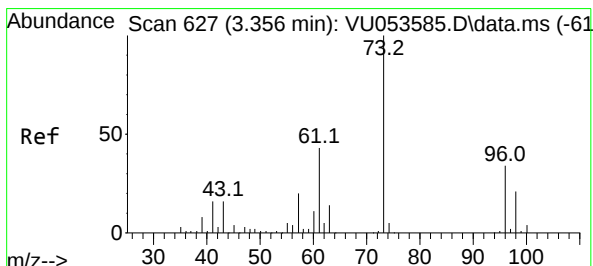
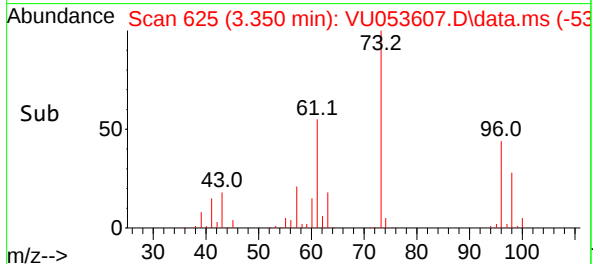
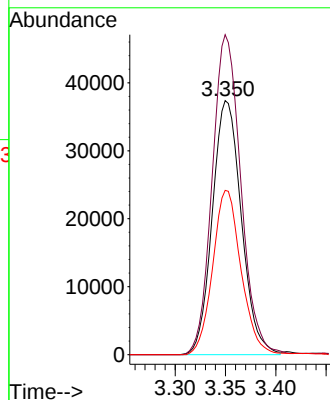
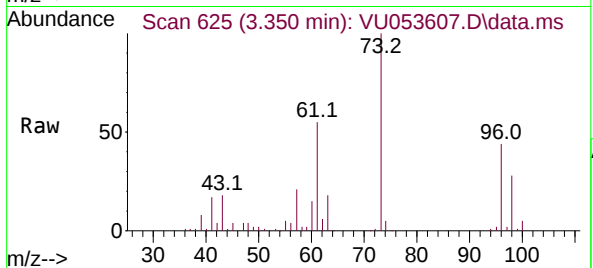
Tgt Ion: 96 Resp: 75082

Ion Ratio Lower Upper

96 100

61 125.9 84.4 156.8

98 64.7 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 48.751 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.003 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

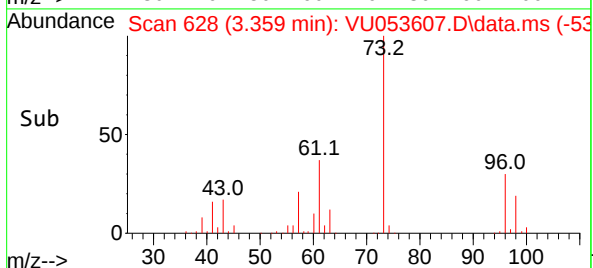
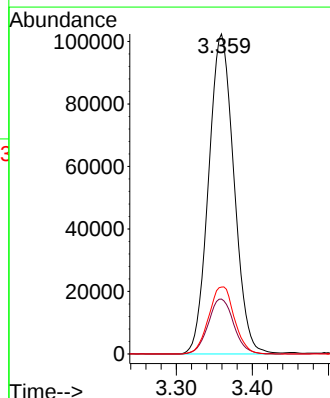
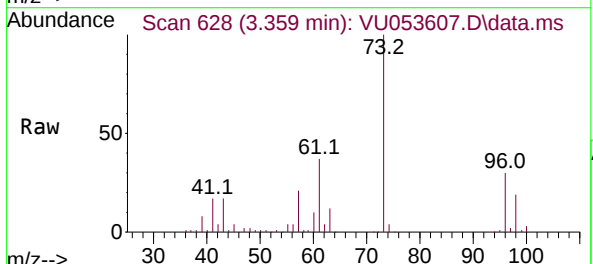
Tgt Ion: 73 Resp: 236758

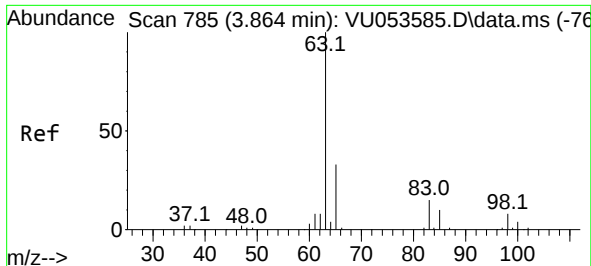
Ion Ratio Lower Upper

73 100

43 17.3 13.8 20.8

57 21.2 15.9 23.9

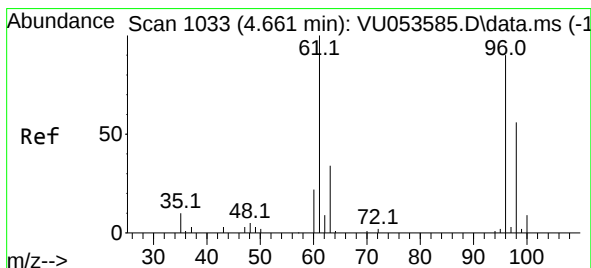
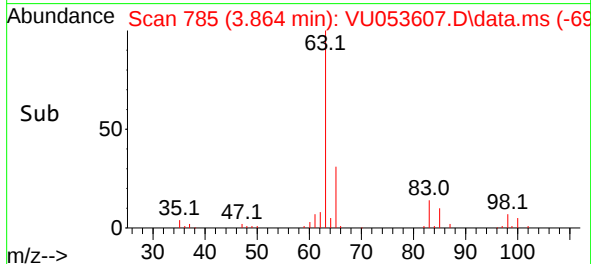
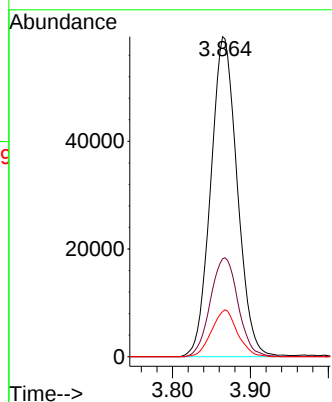
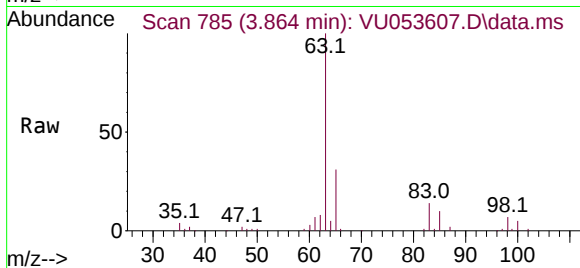




#19
1,1-Dichloroethane
Concen: 50.836 ug/L
RT: 3.864 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

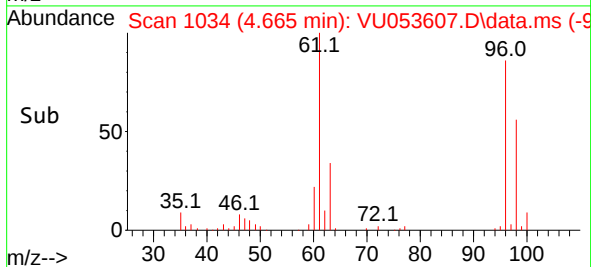
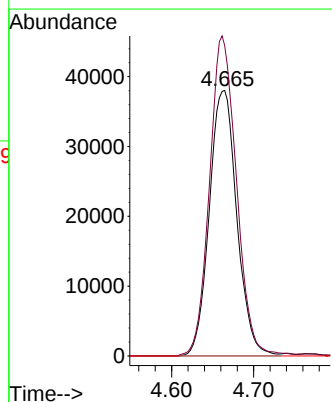
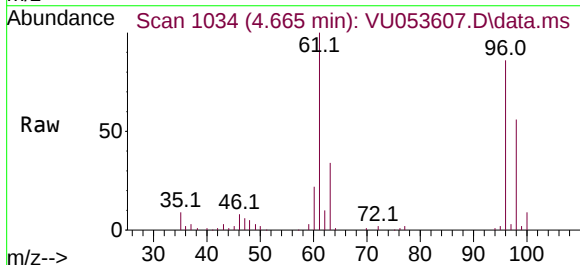
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

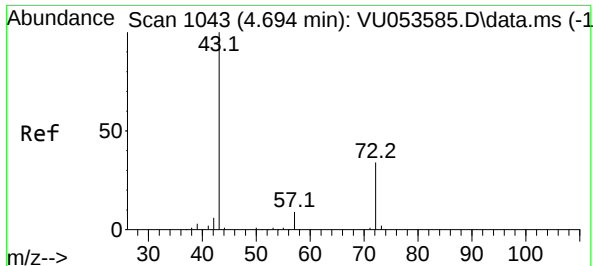
Tgt Ion: 63 Resp: 140307
Ion Ratio Lower Upper
63 100
65 30.6 22.0 41.0
83 14.1 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 46.132 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

Tgt Ion: 96 Resp: 88781
Ion Ratio Lower Upper
96 100
61 116.9 74.7 138.7
68 0.0 0.0 0.0

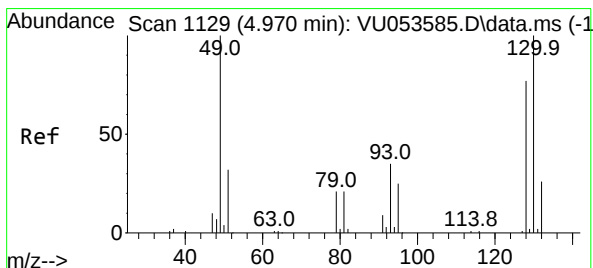
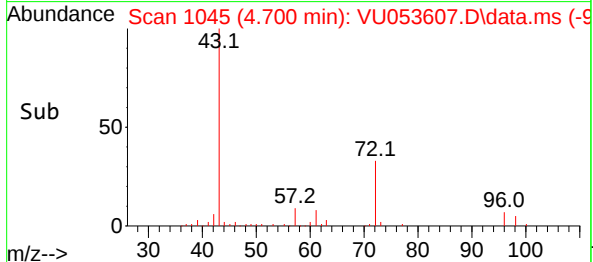
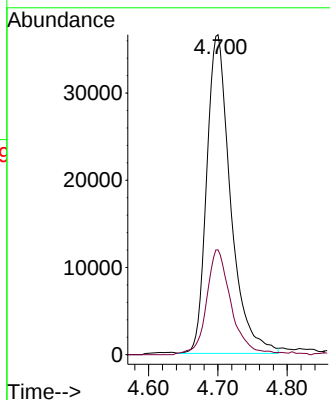
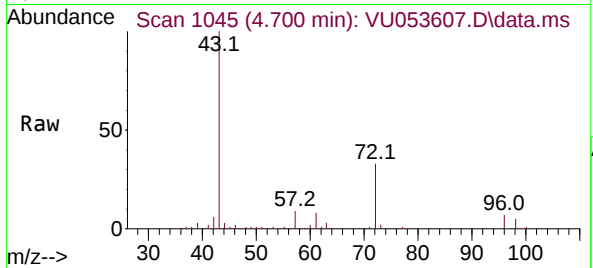




#22
2-Butanone
Concen: 84.091 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. 0.007 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

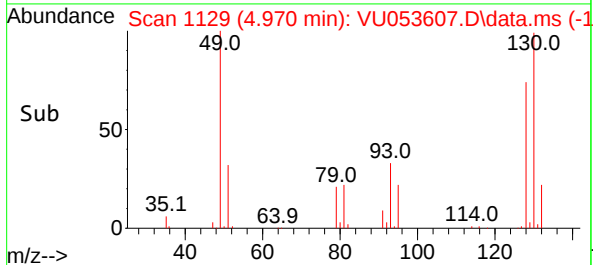
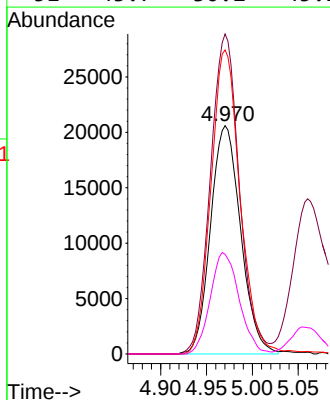
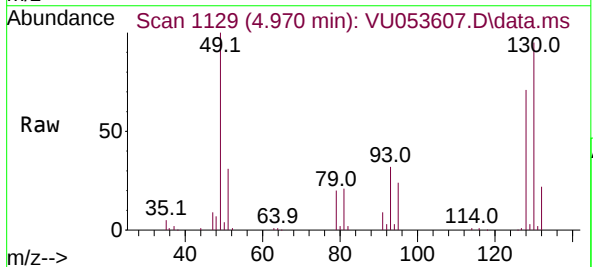
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

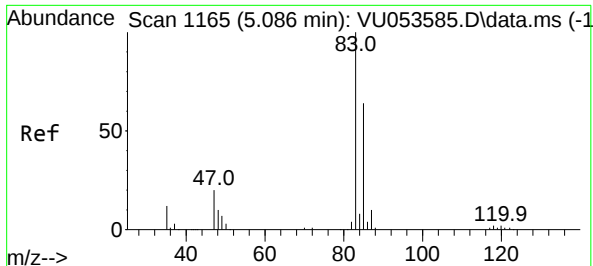
Tgt Ion: 43 Resp: 87209
Ion Ratio Lower Upper
43 100
72 33.5 15.8 47.3



#23
Bromochloromethane
Concen: 43.850 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

Tgt Ion: 128 Resp: 47006
Ion Ratio Lower Upper
128 100
49 140.1 81.5 151.3
130 133.1 91.8 170.4
51 43.7 30.2 45.2





#25

Chloroform

Concen: 49.389 ug/L

RT: 5.083 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

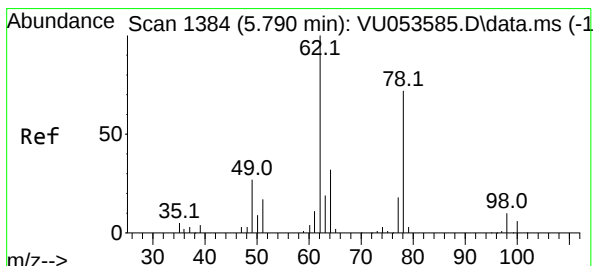
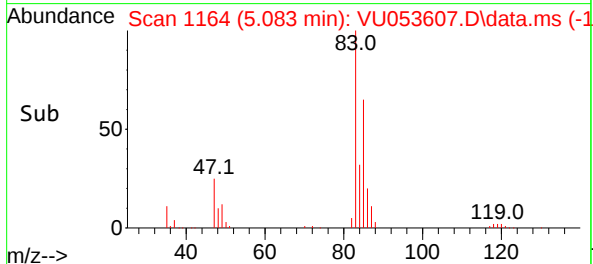
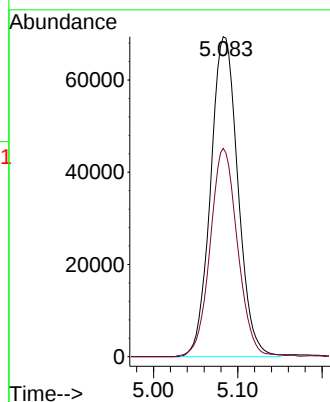
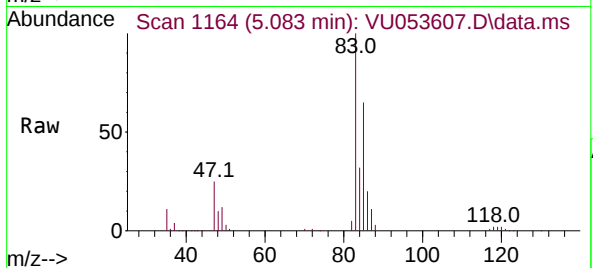
VSTD050191

Tgt Ion: 83 Resp: 156347

Ion Ratio Lower Upper

83 100

85 65.1 46.1 85.5



#27

1,2-Dichloroethane

Concen: 49.260 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU053607.D

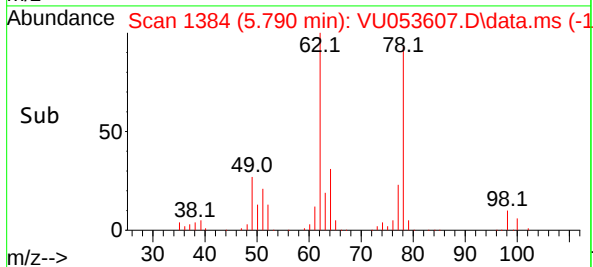
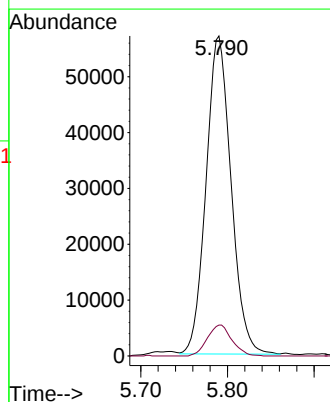
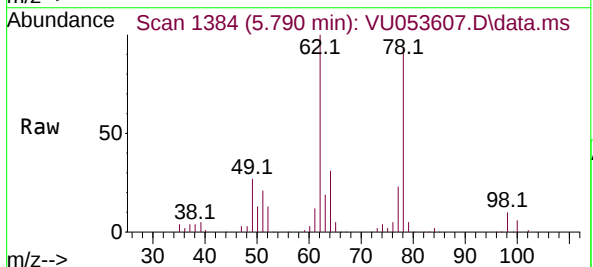
Acq: 10 Apr 2023 09:29

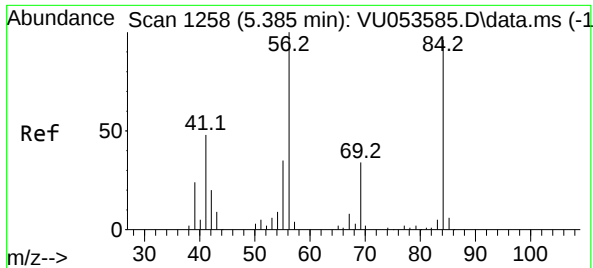
Tgt Ion: 62 Resp: 114202

Ion Ratio Lower Upper

62 100

98 9.6 8.3 12.5

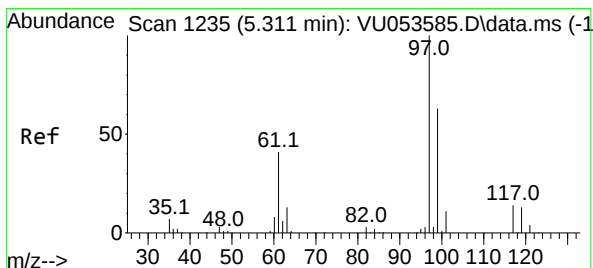
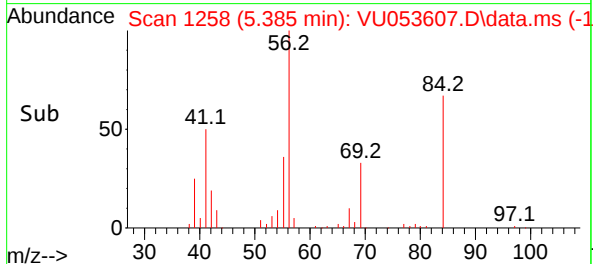
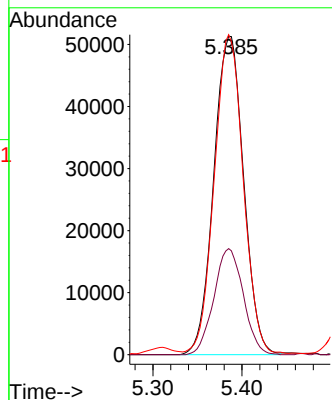
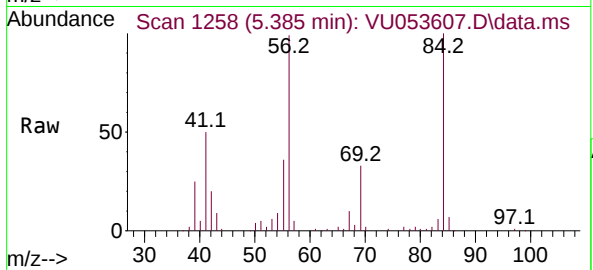




#29
Cyclohexane
Concen: 49.416 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

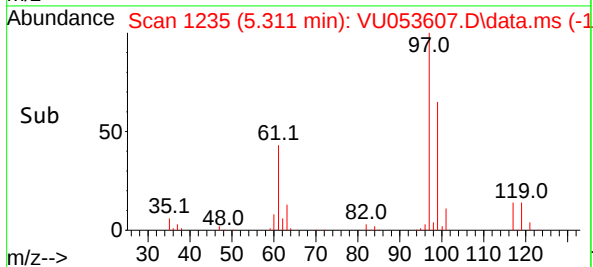
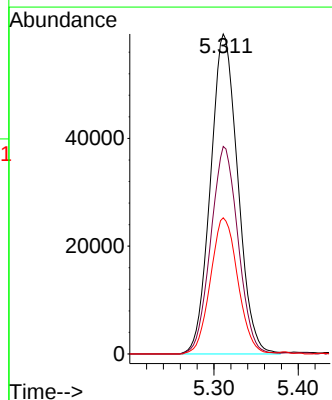
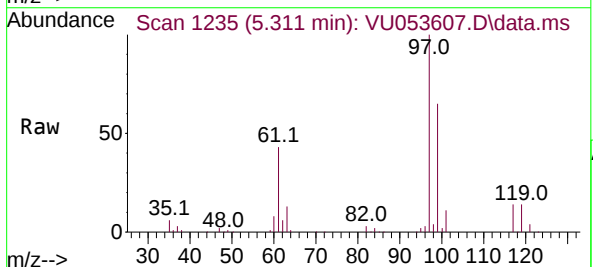
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

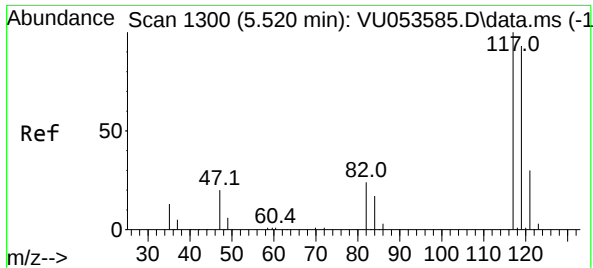
Tgt Ion: 56 Resp: 119583
Ion Ratio Lower Upper
56 100
69 32.7 27.3 40.9
84 96.1 81.3 121.9



#30
1,1,1-Trichloroethane
Concen: 48.216 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

Tgt Ion: 97 Resp: 133549
Ion Ratio Lower Upper
97 100
99 65.0 51.6 77.4
61 42.7 31.0 46.4

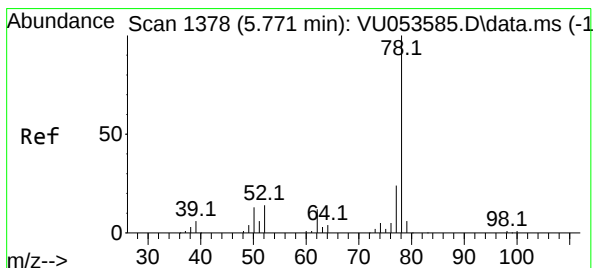
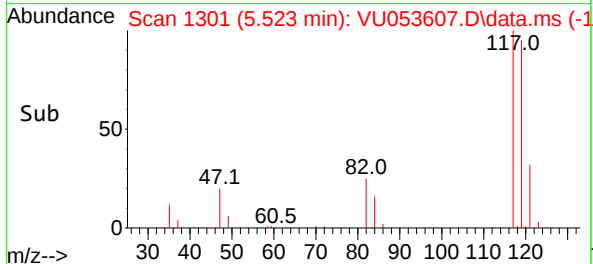
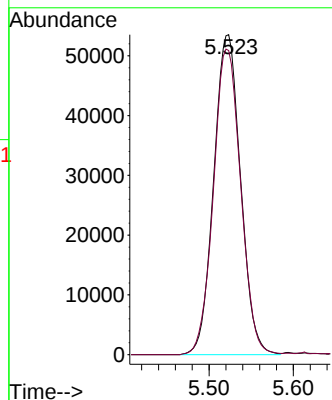
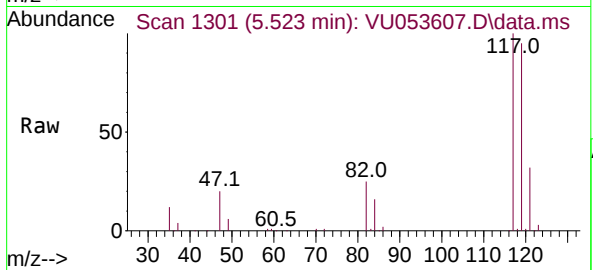




#31
Carbon tetrachloride
Concen: 47.671 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

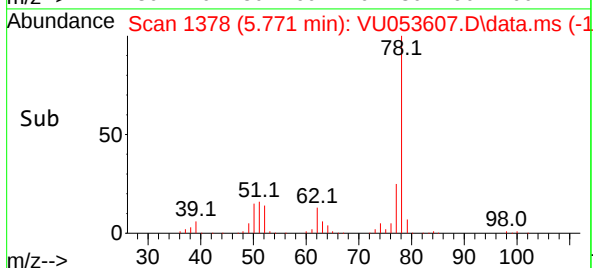
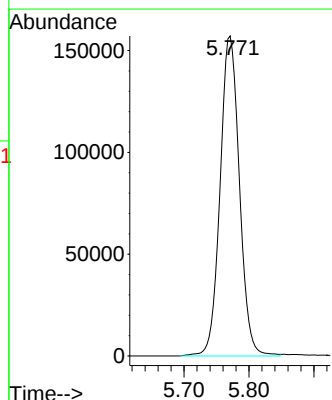
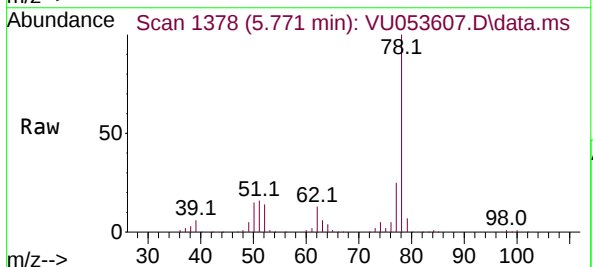
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

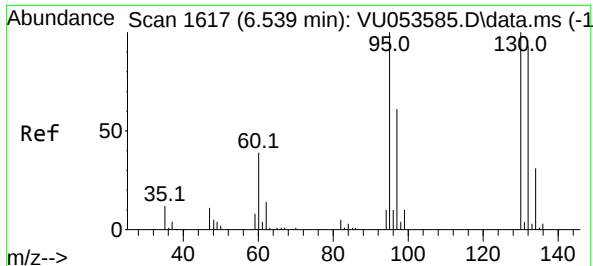
Tgt Ion:117 Resp: 118301
Ion Ratio Lower Upper
117 100
119 97.1 76.9 115.3



#33
Benzene
Concen: 49.493 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

Tgt Ion: 78 Resp: 324148

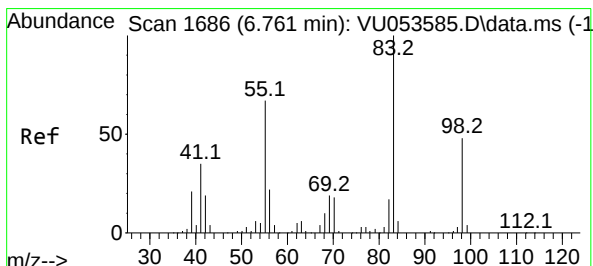
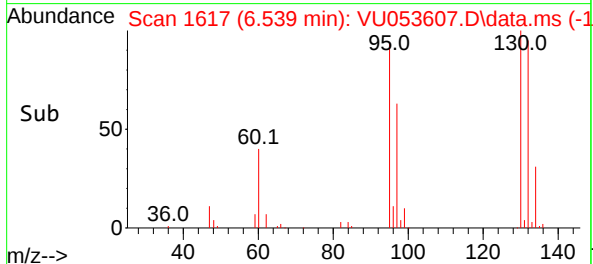
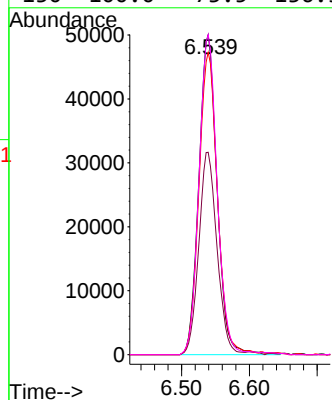
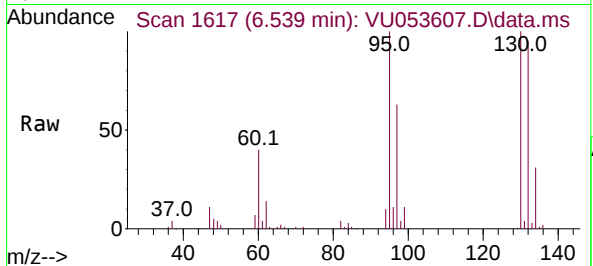




#34
Trichloroethene
Concen: 47.213 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

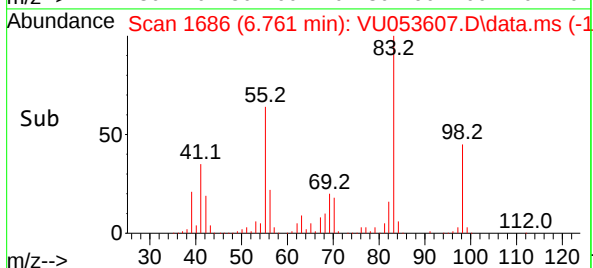
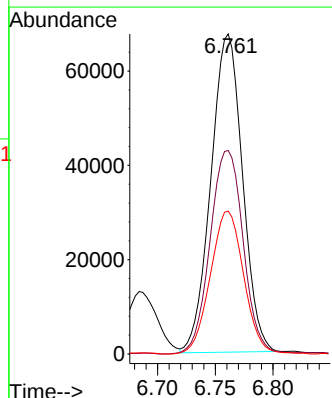
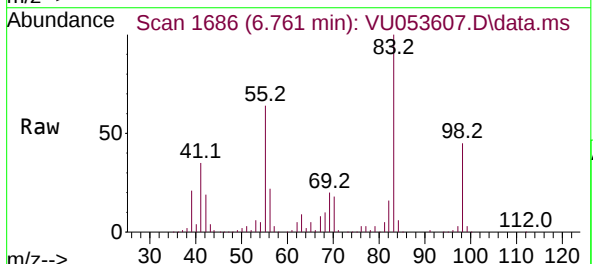
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

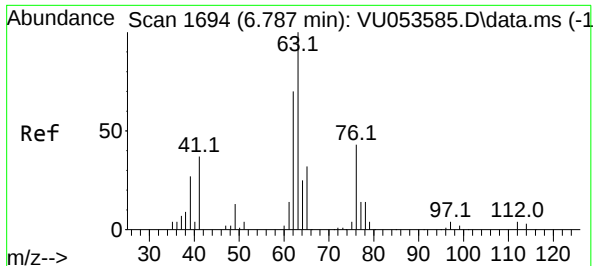
Tgt Ion: 95 Resp: 93523
Ion Ratio Lower Upper
95 100
97 63.3 45.1 83.7
132 94.5 74.1 137.5
130 100.0 73.5 136.5



#35
Methylcyclohexane
Concen: 44.189 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.003 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

Tgt Ion: 83 Resp: 128665
Ion Ratio Lower Upper
83 100
55 67.2 53.0 79.6
98 47.4 39.0 58.6





#37

1,2-Dichloropropane

Concen: 50.727 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

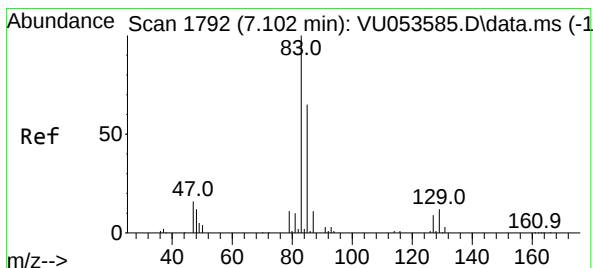
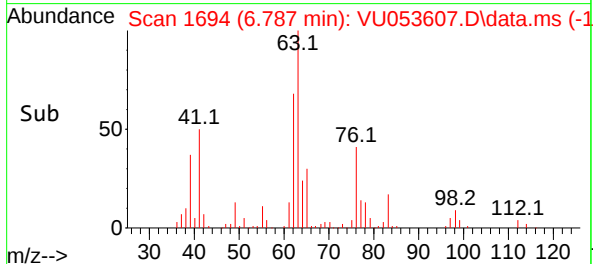
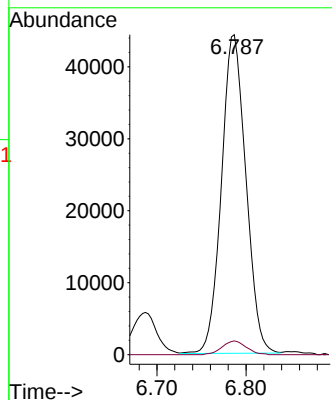
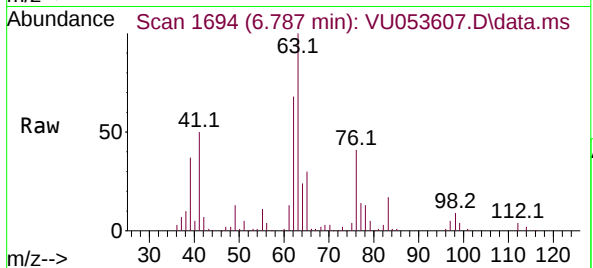
VSTD050191

Tgt Ion: 63 Resp: 84358

Ion Ratio Lower Upper

63 100

112 4.3 3.8 5.6



#38

Bromodichloromethane

Concen: 50.519 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.003 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

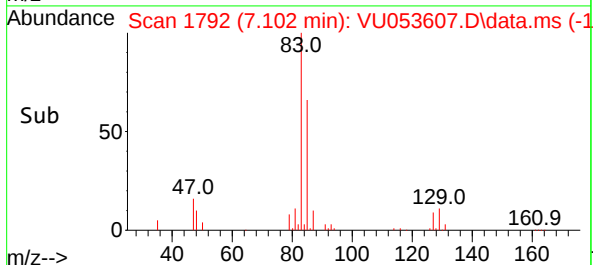
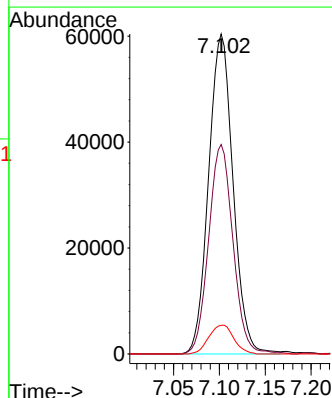
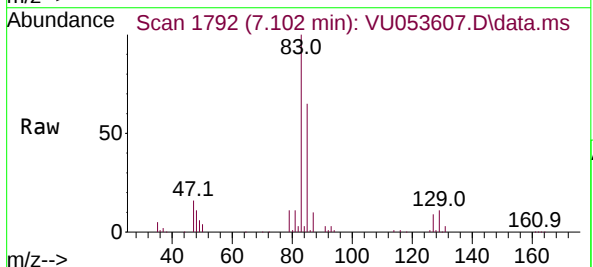
Tgt Ion: 83 Resp: 112077

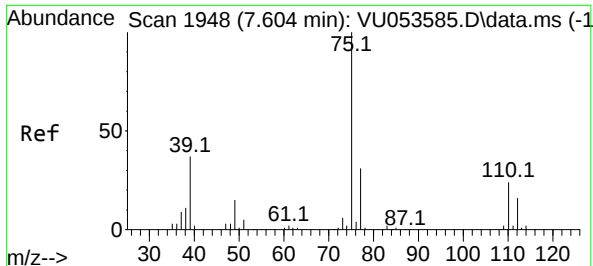
Ion Ratio Lower Upper

83 100

85 65.4 44.4 82.5

127 9.0 8.0 12.0





#39

cis-1,3-Dichloropropene

Concen: 40.782 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

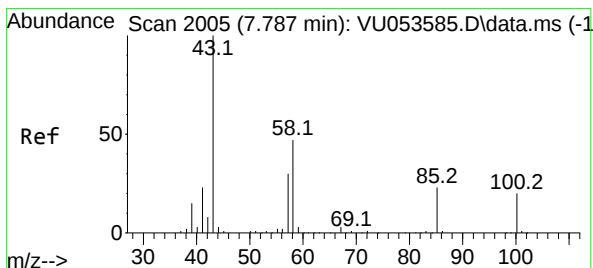
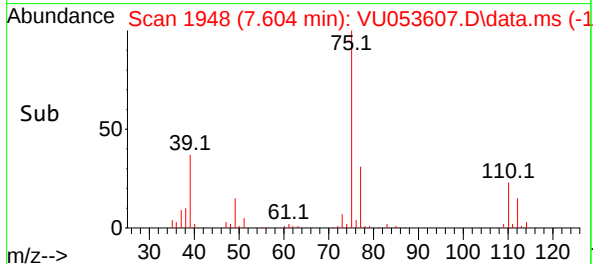
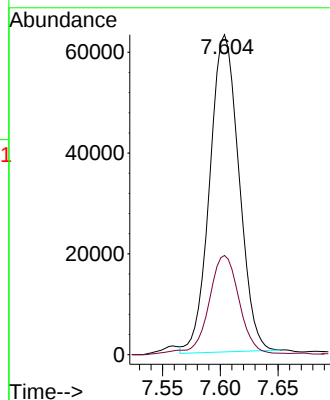
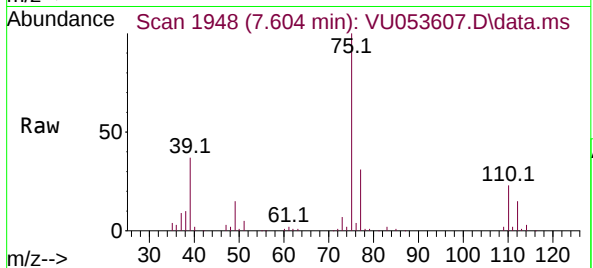
VSTD050191

Tgt Ion: 75 Resp: 110827

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 95.570 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

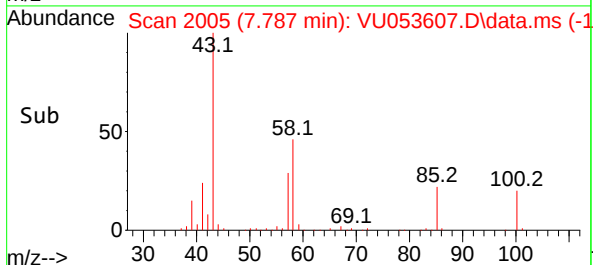
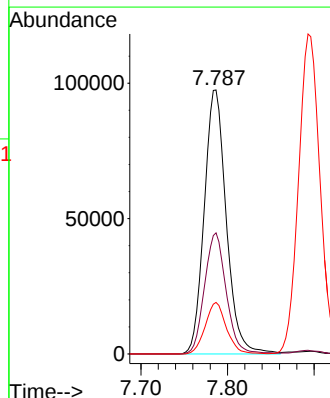
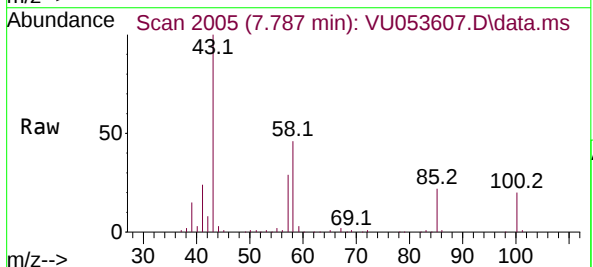
Tgt Ion: 43 Resp: 172711

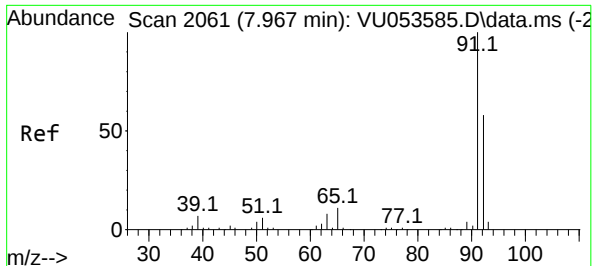
Ion Ratio Lower Upper

43 100

58 44.9 35.5 53.3

100 18.8 15.8 23.8





#42

Toluene

Concen: 47.534 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

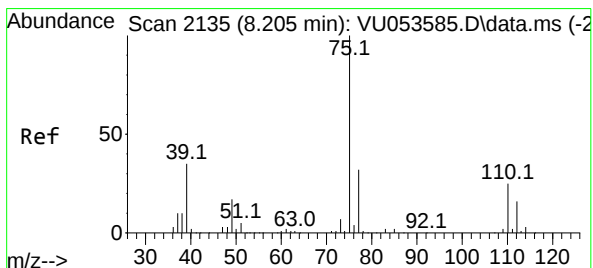
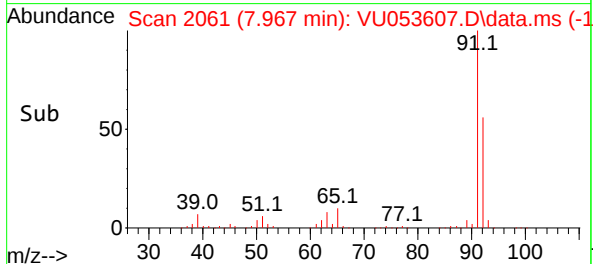
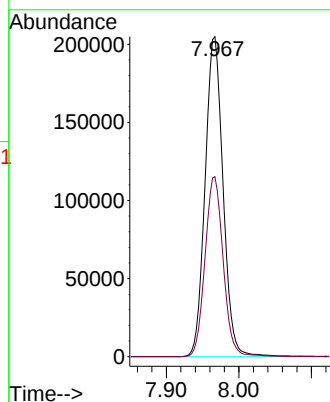
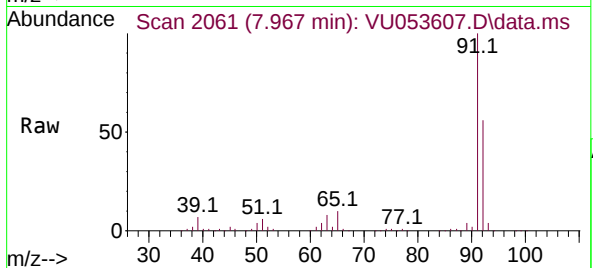
VSTD050191

Tgt Ion: 91 Resp: 352799

Ion Ratio Lower Upper

91 100

92 56.3 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 42.491 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053607.D

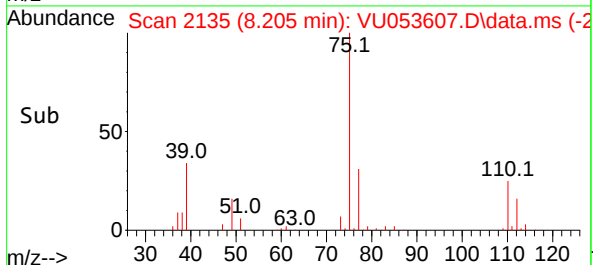
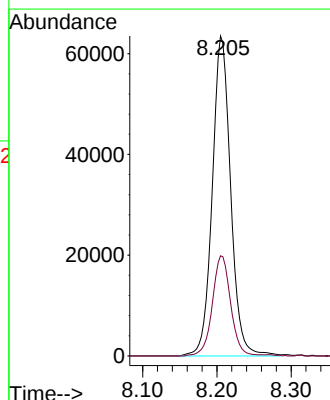
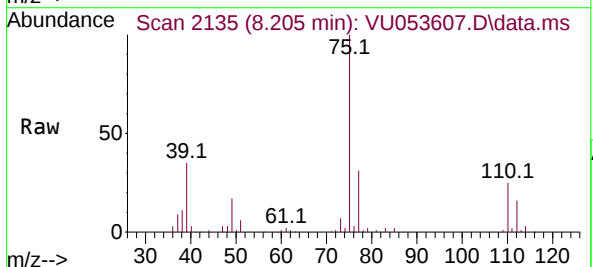
Acq: 10 Apr 2023 09:29

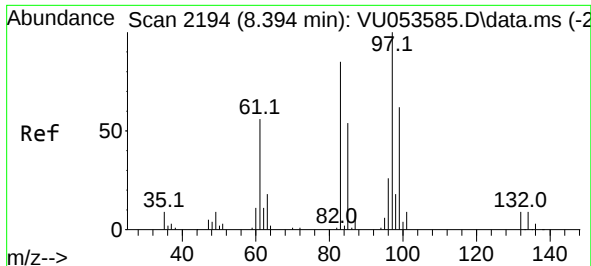
Tgt Ion: 75 Resp: 109162

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.4

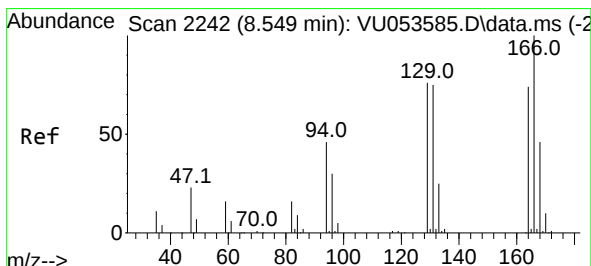
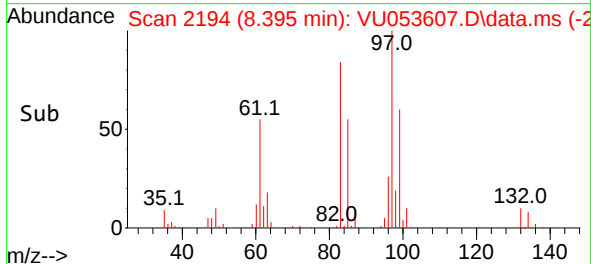
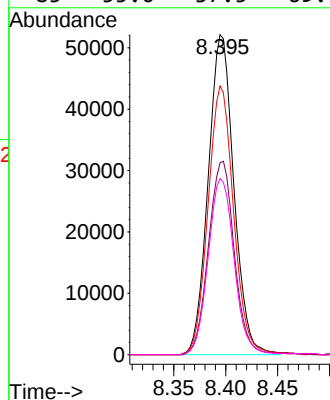
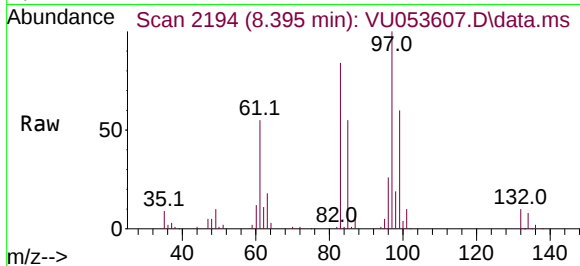




#45
1,1,2-Trichloroethane
Concen: 49.118 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

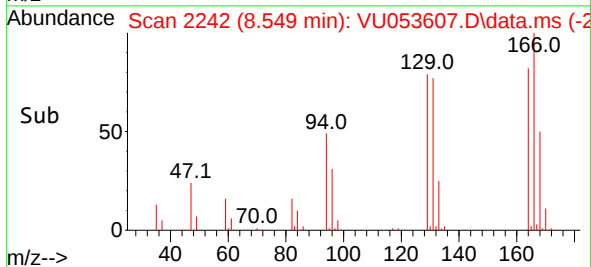
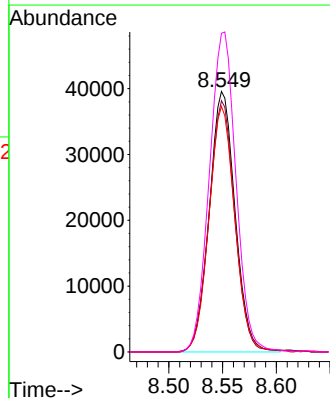
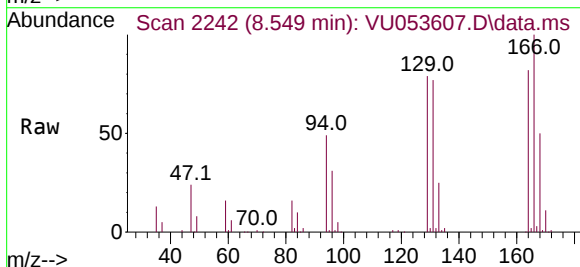
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

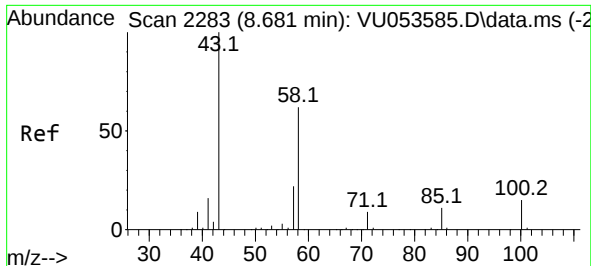
Tgt Ion:	97	Resp:	89682
Ion	Ratio	Lower	Upper
97	100		
99	59.9	43.8	81.3
83	84.0	59.0	109.6
85	55.0	37.5	69.7



#46
Tetrachloroethene
Concen: 40.202 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

Tgt Ion:	164	Resp:	66084
Ion	Ratio	Lower	Upper
164	100		
129	96.5	64.0	119.0
131	94.3	61.9	115.1
166	122.4	90.6	168.2

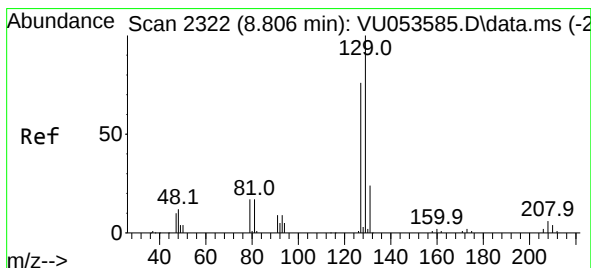
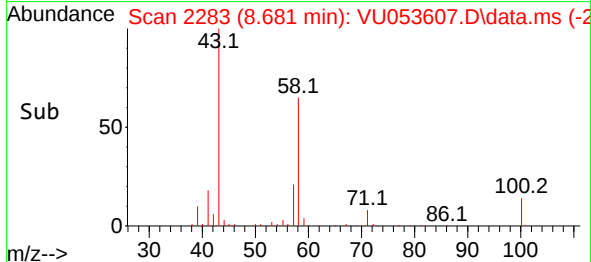
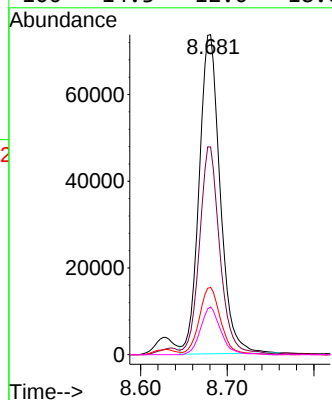
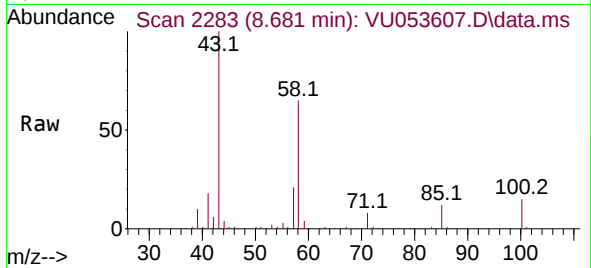




#48
2-Hexanone
Concen: 84.611 ug/L
RT: 8.681 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

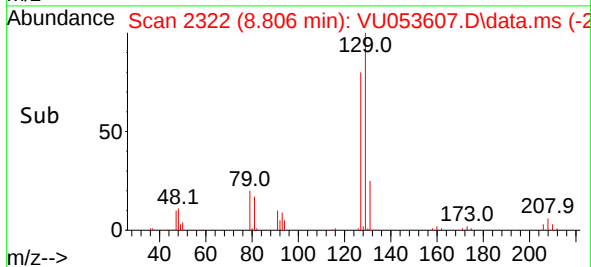
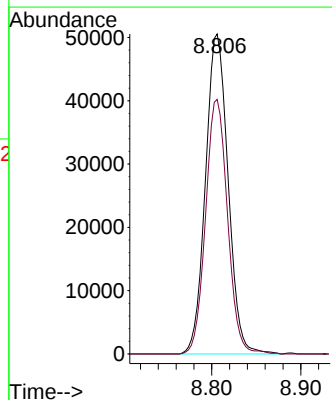
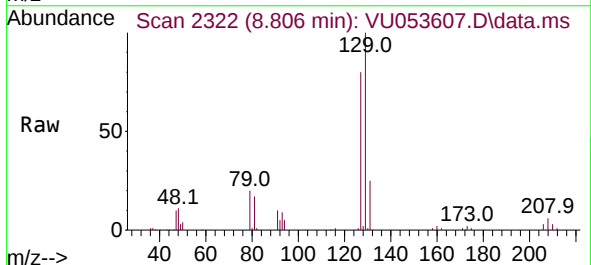
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

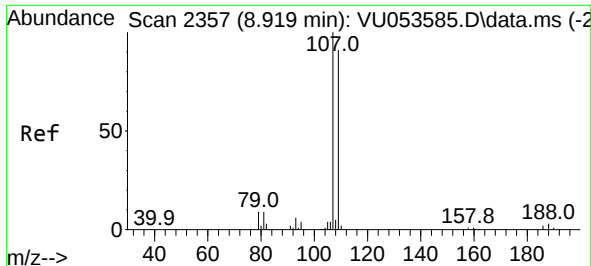
Tgt Ion:	43	Resp:	123689
Ion	Ratio	Lower	Upper
43	100		
58	61.0	49.8	74.6
57	21.7	17.8	26.6
100	14.3	12.0	18.0



#49
Dibromochloromethane
Concen: 46.932 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

Tgt Ion:	129	Resp:	89101
Ion	Ratio	Lower	Upper
129	100		
127	79.5	53.5	99.3





#50

1,2-Dibromoethane

Concen: 45.967 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050191

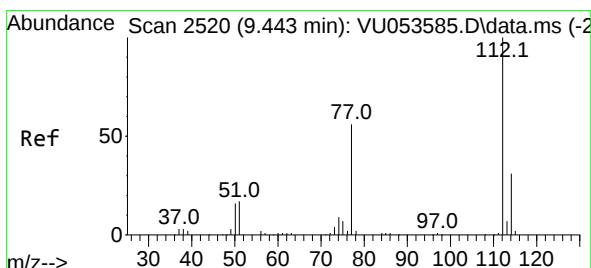
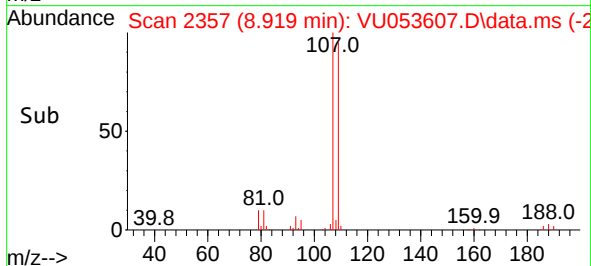
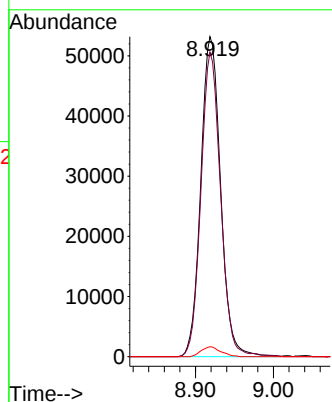
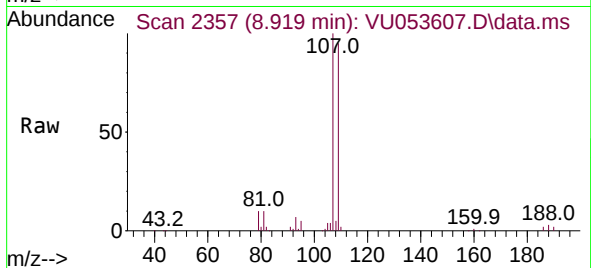
Tgt Ion:107 Resp: 93900

Ion Ratio Lower Upper

107 100

109 95.2 66.3 123.1

188 3.1 3.0 4.4



#51

Chlorobenzene

Concen: 45.085 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

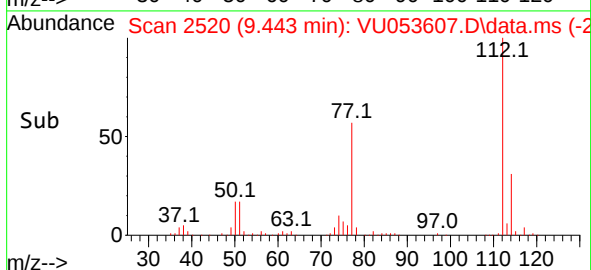
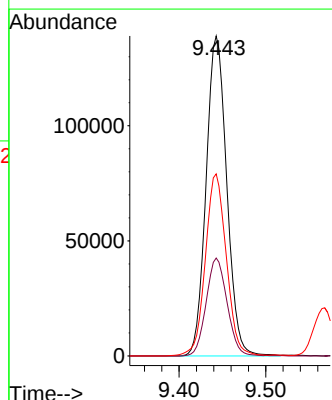
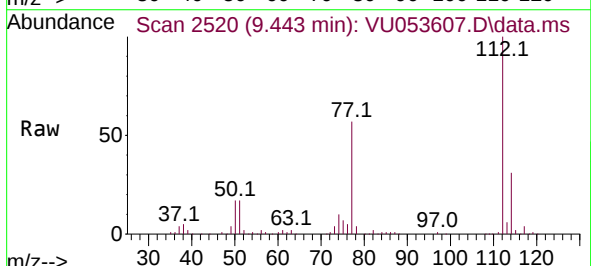
Tgt Ion:112 Resp: 230558

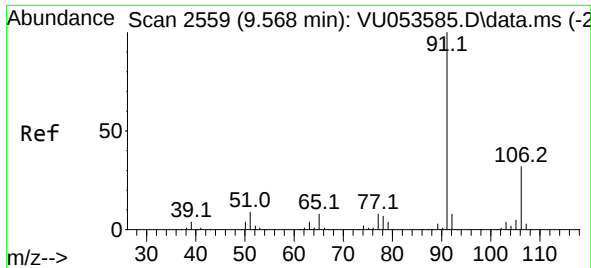
Ion Ratio Lower Upper

112 100

114 30.6 22.2 41.2

77 56.9 41.3 61.9

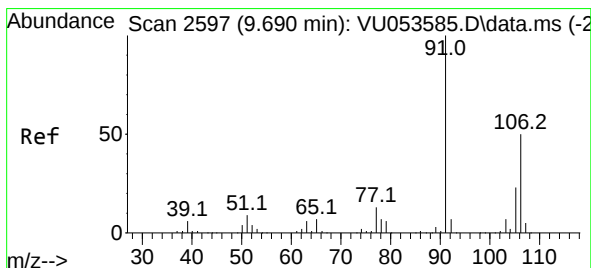
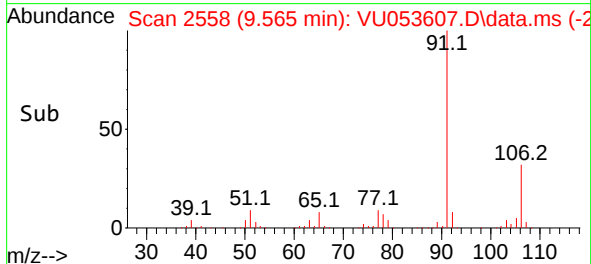
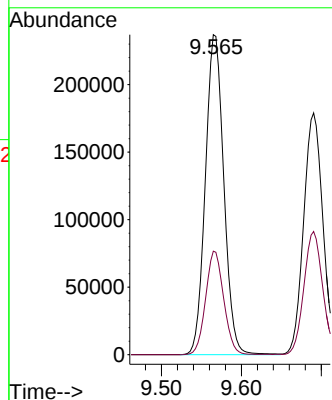
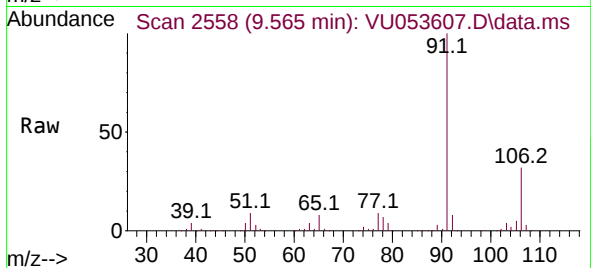




#52
Ethylbenzene
Concen: 46.139 ug/L
RT: 9.565 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

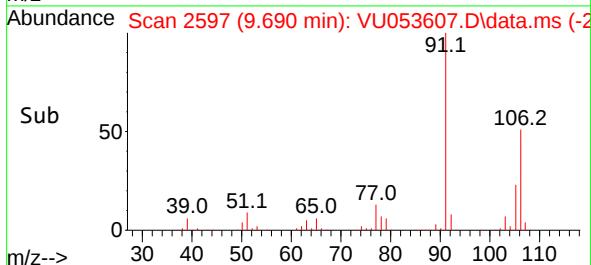
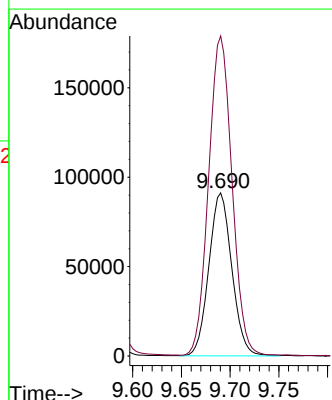
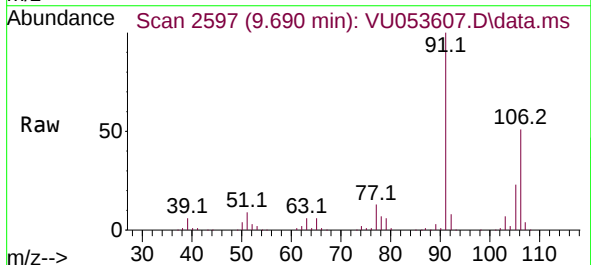
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

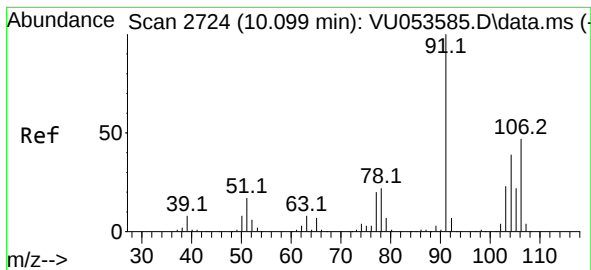
Tgt Ion: 91 Resp: 381208
Ion Ratio Lower Upper
91 100
106 32.4 22.4 41.6



#53
m,p-Xylene
Concen: 46.210 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

Tgt Ion: 106 Resp: 149322
Ion Ratio Lower Upper
106 100
91 196.3 140.0 260.0





#54

o-Xylene

Concen: 45.841 ug/L

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

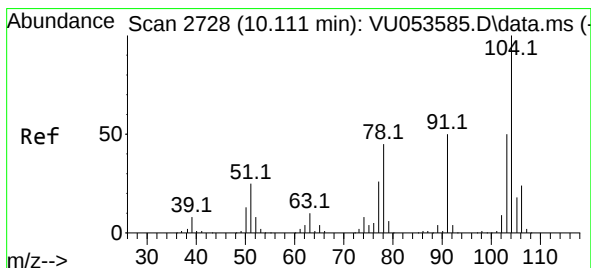
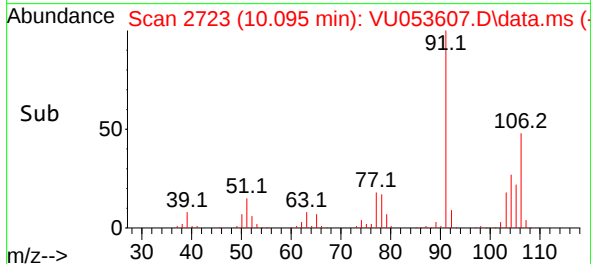
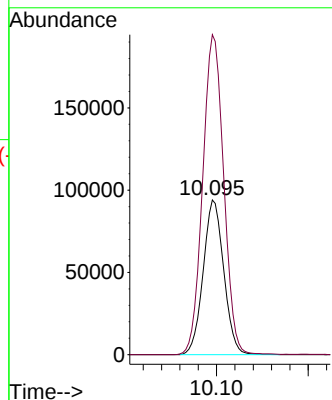
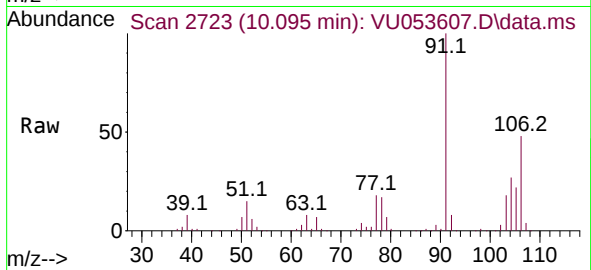
VSTD050191

Tgt Ion:106 Resp: 146453

Ion Ratio Lower Upper

106 100

91 206.9 144.9 269.1



#55

Styrene

Concen: 46.388 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.003 min

Lab File: VU053607.D

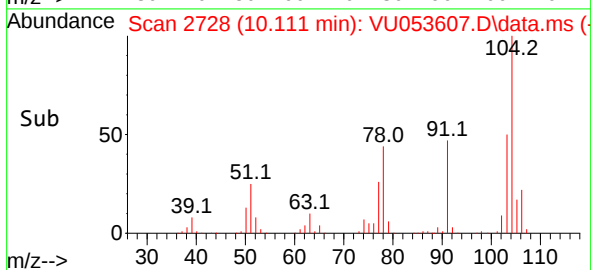
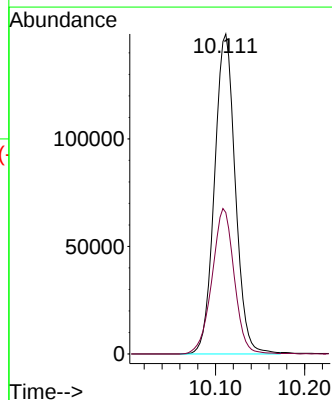
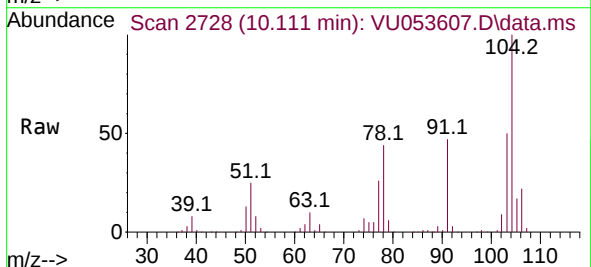
Acq: 10 Apr 2023 09:29

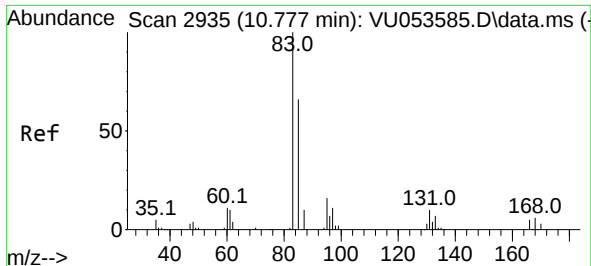
Tgt Ion:104 Resp: 241392

Ion Ratio Lower Upper

104 100

78 44.2 31.3 58.1

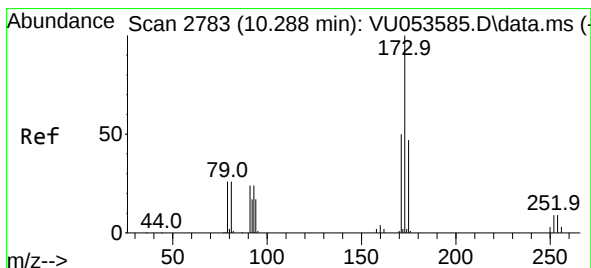
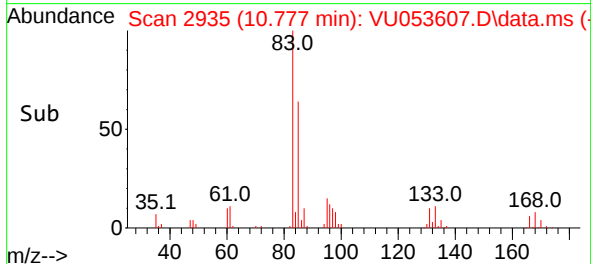
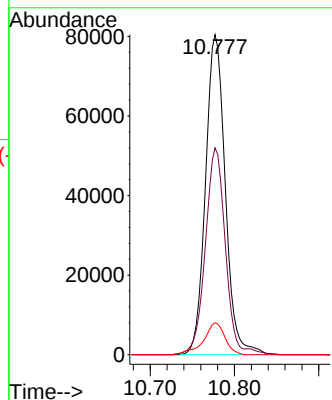
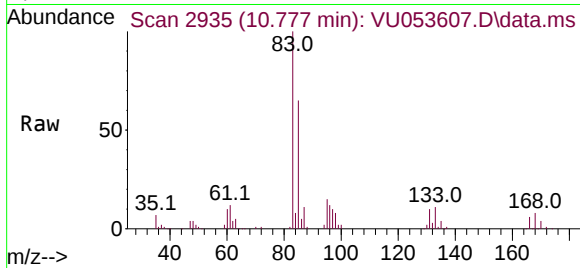




#57
 1,1,2,2-Tetrachloroethane
 Concen: 49.059 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053607.D
 Acq: 10 Apr 2023 09:29

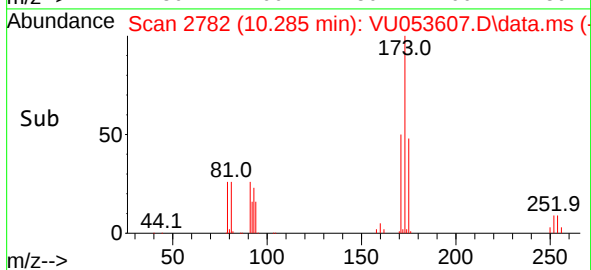
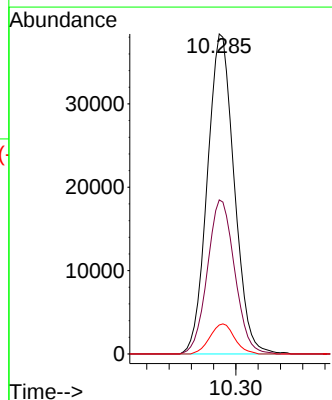
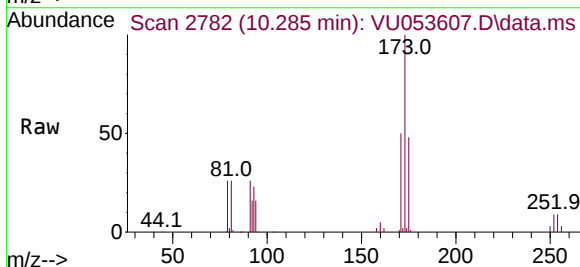
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050191

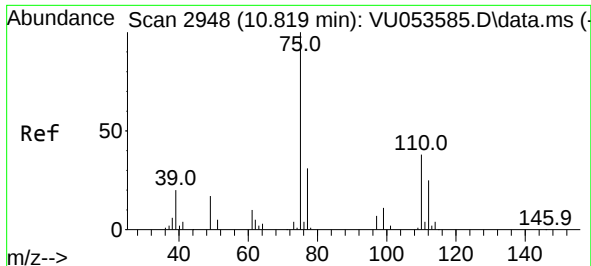
Tgt Ion: 83 Resp: 131515
 Ion Ratio Lower Upper
 83 100
 85 64.7 47.0 87.4
 131 9.9 8.7 13.1



#59
 Bromoform
 Concen: 47.388 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. 0.000 min
 Lab File: VU053607.D
 Acq: 10 Apr 2023 09:29

Tgt Ion: 173 Resp: 64289
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.0 58.6
 254 8.6 7.0 10.4

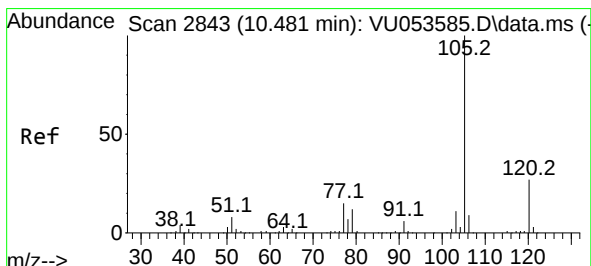
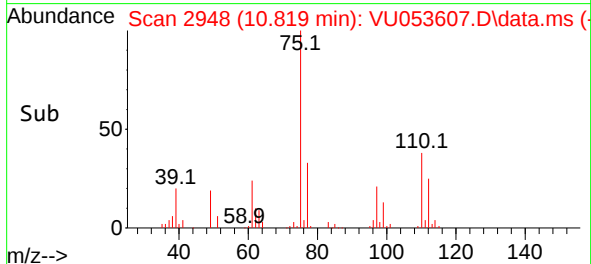
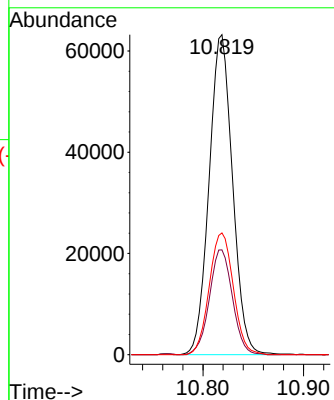
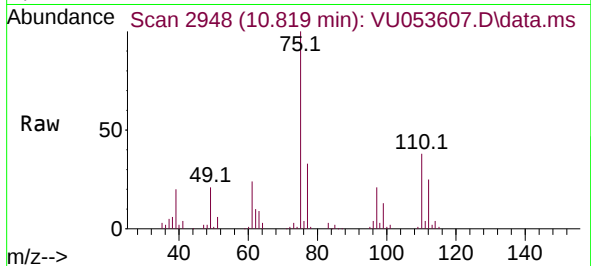




#60
1,2,3-Trichloropropane
Concen: 53.275 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

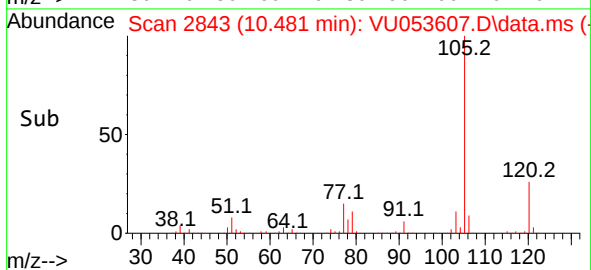
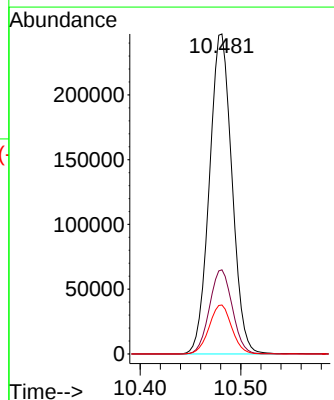
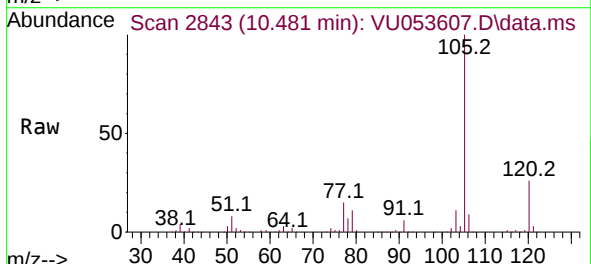
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

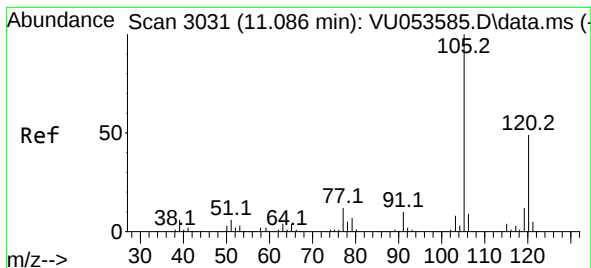
Tgt Ion: 75 Resp: 102384
Ion Ratio Lower Upper
75 100
77 32.2 26.0 39.0
110 39.1 32.6 48.8



#61
Isopropylbenzene
Concen: 49.105 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

Tgt Ion: 105 Resp: 384800
Ion Ratio Lower Upper
105 100
120 26.7 22.4 33.6
77 15.4 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 48.525 ug/L

RT: 11.082 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

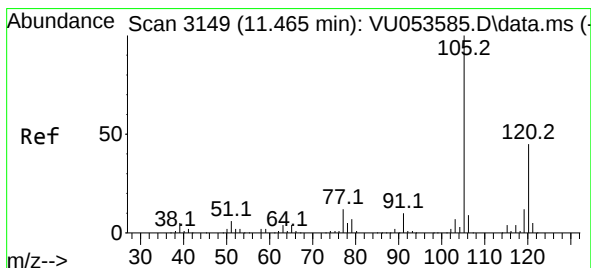
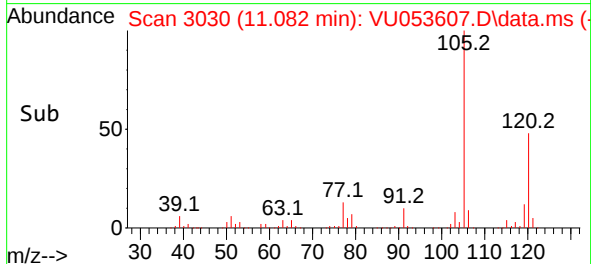
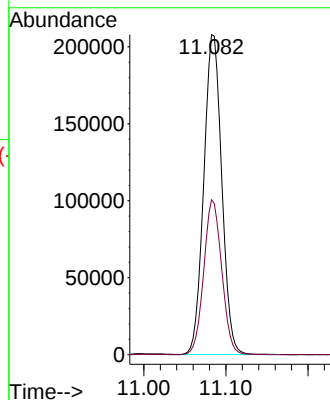
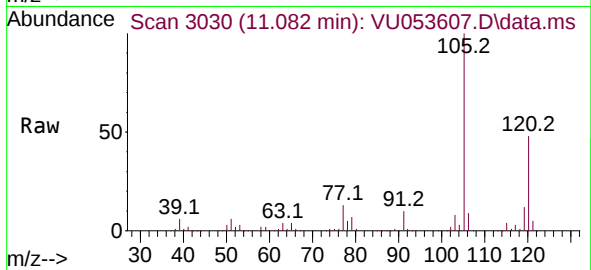
VSTD050191

Tgt Ion:105 Resp: 316103

Ion Ratio Lower Upper

105 100

120 48.5 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 48.823 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU053607.D

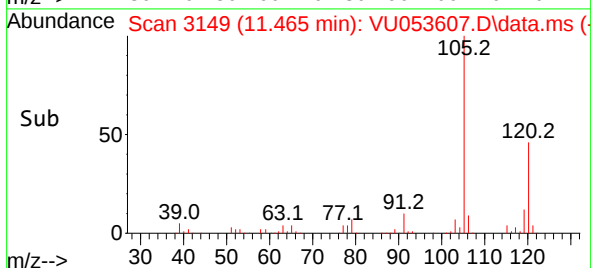
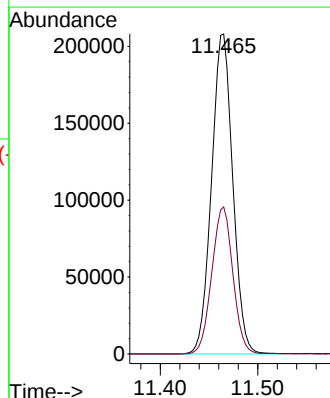
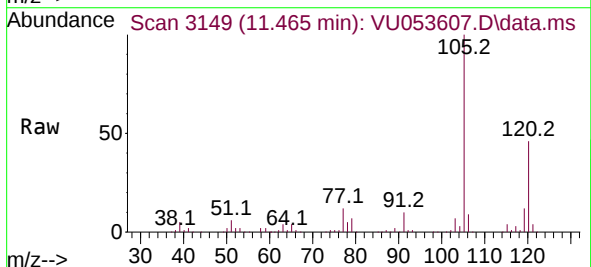
Acq: 10 Apr 2023 09:29

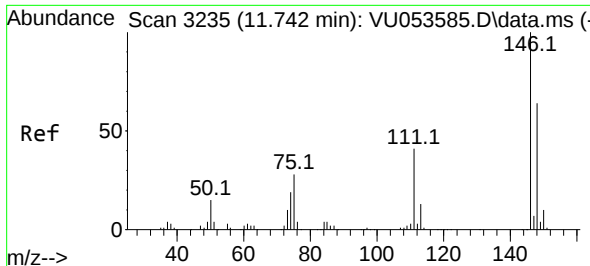
Tgt Ion:105 Resp: 315003

Ion Ratio Lower Upper

105 100

120 45.7 37.5 56.3

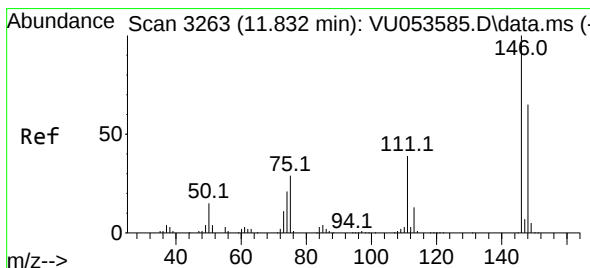
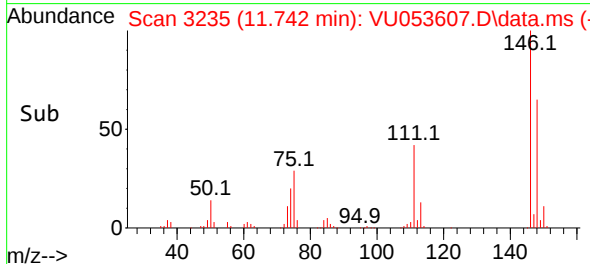
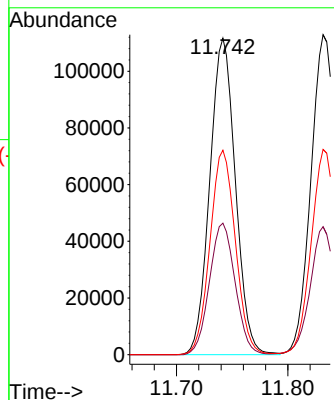
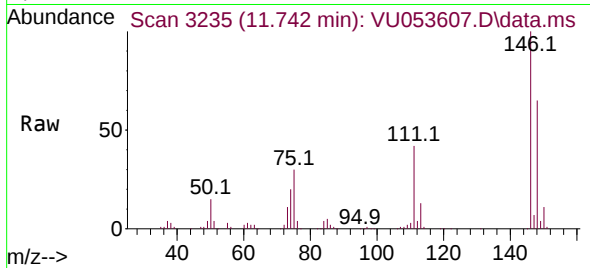




#64
1,3-Dichlorobenzene
Concen: 43.560 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

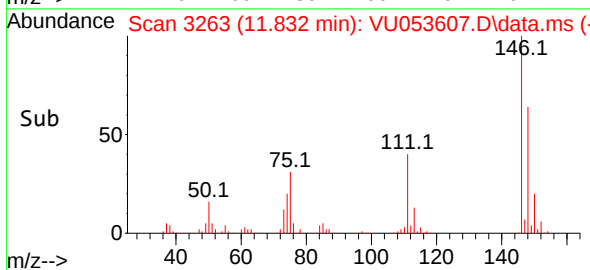
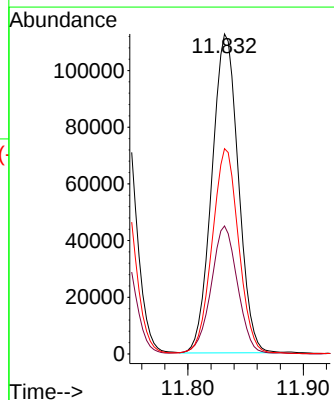
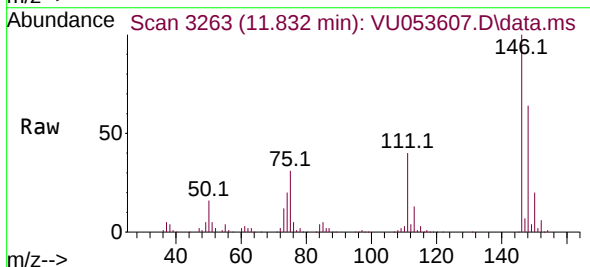
Instrument :
MSVOA_U
ClientSampleId :
VSTD050191

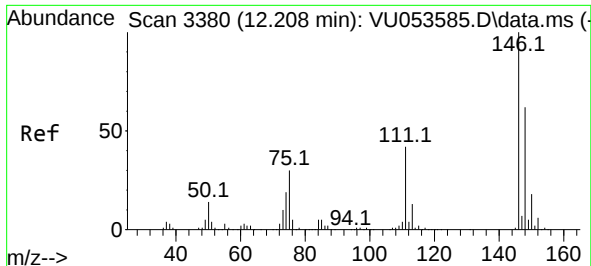
Tgt Ion:146 Resp: 178361
Ion Ratio Lower Upper
146 100
111 41.6 25.7 47.7
148 64.6 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 43.015 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053607.D
Acq: 10 Apr 2023 09:29

Tgt Ion:146 Resp: 179510
Ion Ratio Lower Upper
146 100
111 40.0 25.1 46.5
148 64.2 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 44.414 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050191

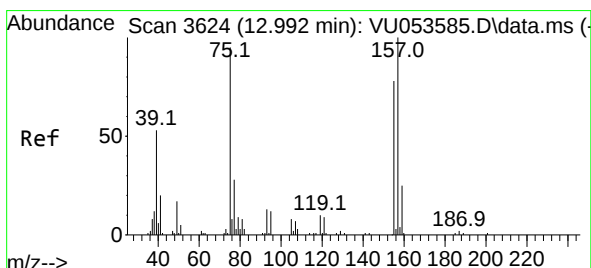
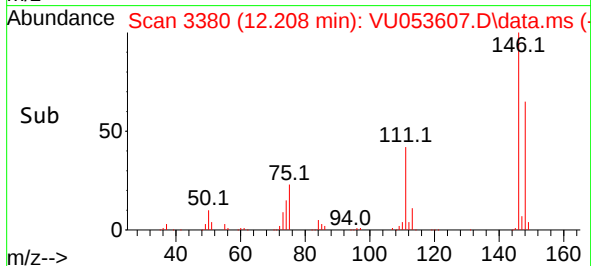
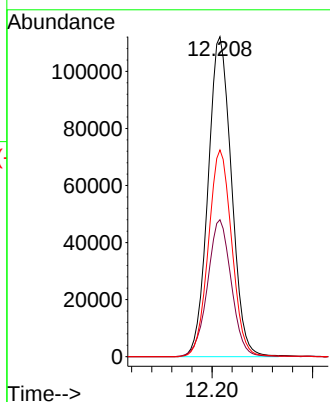
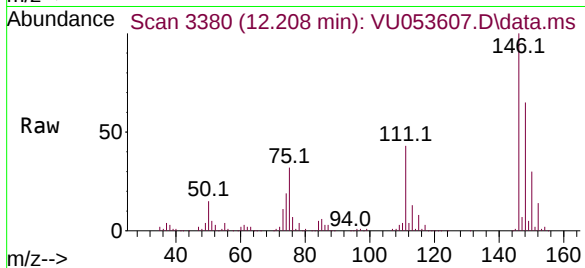
Tgt Ion:146 Resp: 181251

Ion Ratio Lower Upper

146 100

111 42.8 31.5 47.3

148 64.6 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 53.610 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

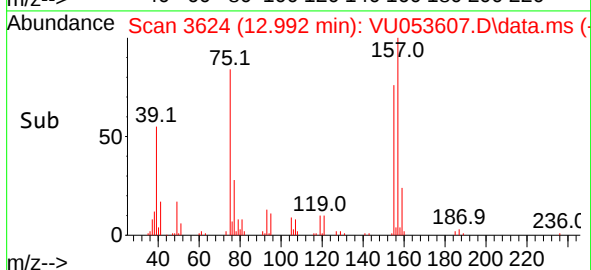
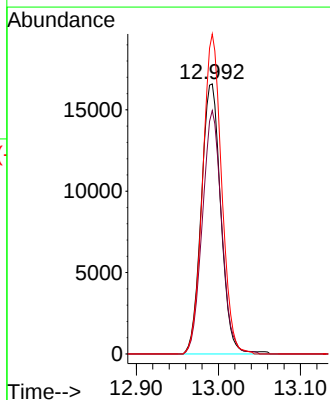
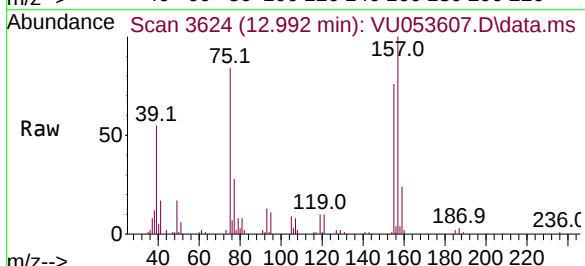
Tgt Ion: 75 Resp: 27466

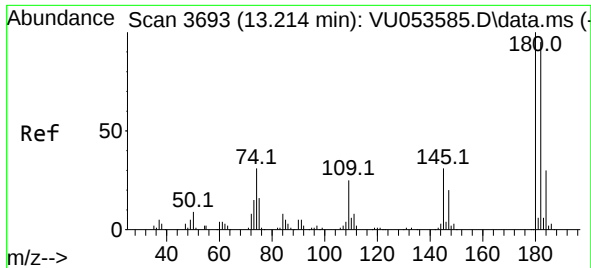
Ion Ratio Lower Upper

75 100

155 90.1 79.9 119.9

157 118.5 100.8 151.2





#69

1,3,5-Trichlorobenzene

Concen: 38.573 ug/L

RT: 13.214 min Scan# 3

Delta R.T. 0.000 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050191

Tgt Ion:180 Resp: 116961

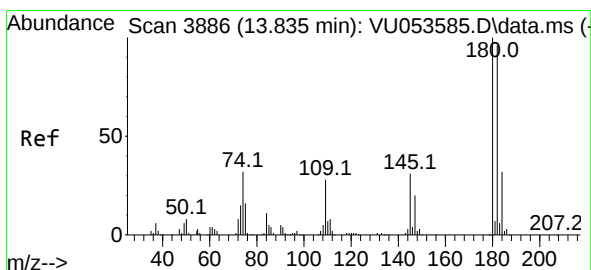
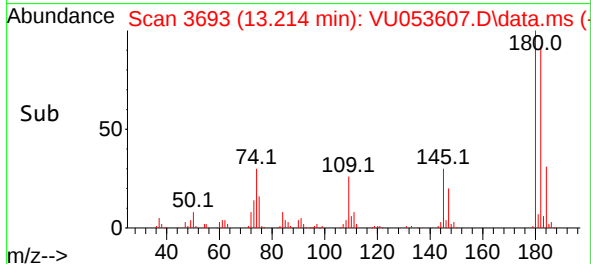
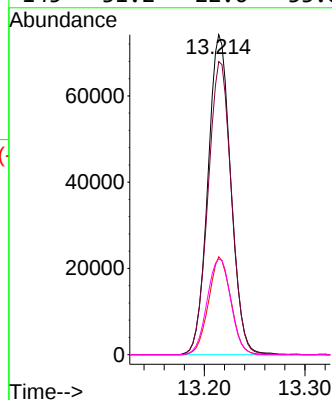
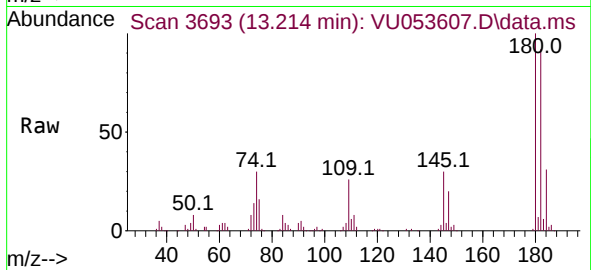
Ion Ratio Lower Upper

180 100

182 93.9 75.6 113.4

184 29.9 24.2 36.2

145 31.2 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 38.686 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

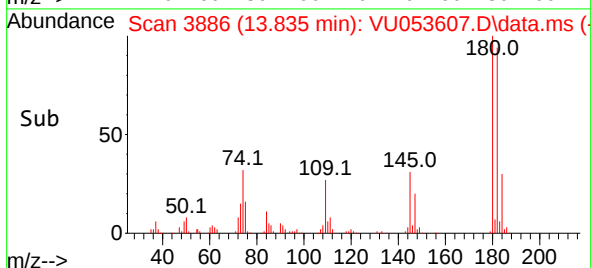
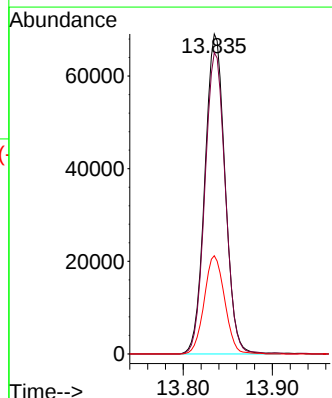
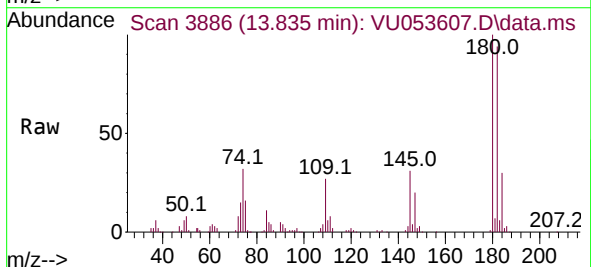
Tgt Ion:180 Resp: 108756

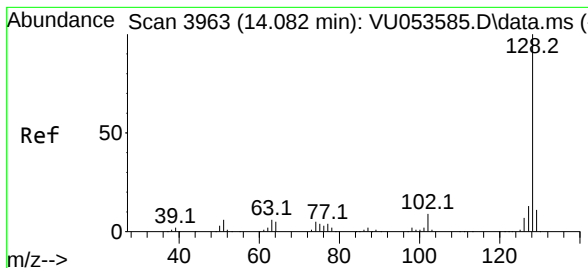
Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.8

145 31.1 23.4 35.2





#71

Naphthalene

Concen: 42.733 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.003 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050191

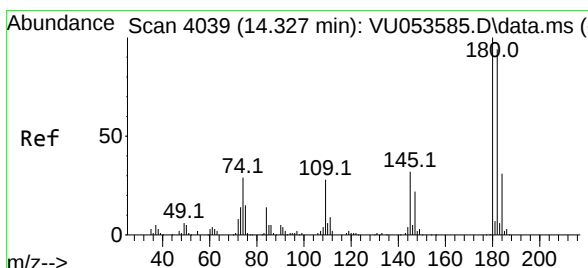
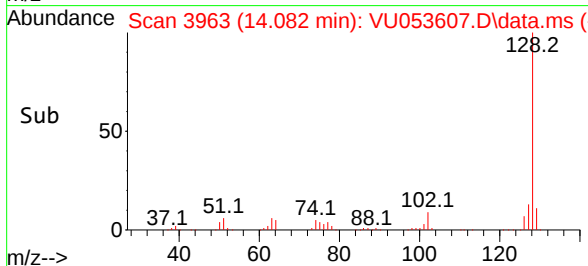
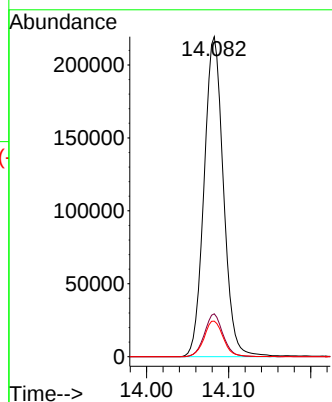
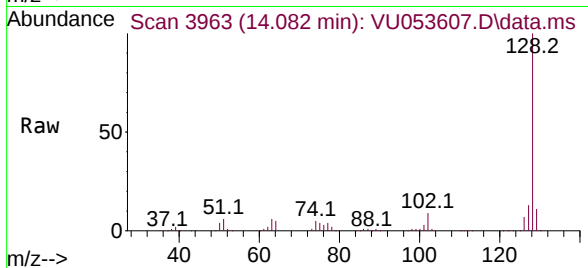
Tgt Ion:128 Resp: 359576

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 11.1 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 39.997 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU053607.D

Acq: 10 Apr 2023 09:29

Tgt Ion:180 Resp: 112308

Ion Ratio Lower Upper

180 100

182 93.8 77.0 115.6

145 32.6 25.4 38.0

