

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033123\
 Data File : VU053506.D
 Acq On : 31 Mar 2023 20:55
 Operator : JC/MD
 Sample : 02121-15ME
 Misc : 3.42g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 01 05:10:16 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	6.240	114	396106	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	378262	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	224301	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	123273	39.968	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.940%
7) Chloroethane-d5	1.871	69	35050	14.739	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	29.480%#
11) 1,1-Dichloroethene-d2	2.539	63	164907	34.540	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.080%
21) 2-Butanone-d5	4.623	46	136115	97.472	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.470%
24) Chloroform-d	5.054	84	211292	41.422	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.840%
26) 1,2-Dichloroethane-d4	5.694	65	139501	46.282	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.560%
32) Benzene-d6	5.716	84	460018	45.054	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.100%
36) 1,2-Dichloropropane-d6	6.684	67	137411	44.030	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.060%
41) Toluene-d8	7.893	98	460675	45.395	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.780%
43) trans-1,3-Dichloroprop...	8.176	79	69987	43.445	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.880%
47) 2-Hexanone-d5	8.642	63	120184	112.838	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.840%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	215572	49.009	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.020%
66) 1,2-Dichlorobenzene-d4	12.192	152	221925	47.400	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.800%
Target Compounds						
5) Vinyl chloride	1.600	62	5443	1.778	ug/L #	45
10) 1,1,2-Trichloro-1,2,2-...	2.536	101	1749	0.641	ug/L #	20
12) 1,1-Dichloroethene	2.536	96	1584	0.652	ug/L #	1
20) cis-1,2-Dichloroethene	4.655	96	14258	5.053	ug/L	97
25) Chloroform	5.079	83	9759	2.103	ug/L	97
29) Cyclohexane	5.375	56	4210	1.156	ug/L #	83
30) 1,1,1-Trichloroethane	5.304	97	12108	2.905	ug/L #	78
34) Trichloroethene	6.536	95	22907	7.685	ug/L	95
35) Methylcyclohexane	6.751	83	19065	4.351	ug/L	94
37) 1,2-Dichloropropane	6.681	63	14920	5.962	ug/L #	86
45) 1,1,2-Trichloroethane	8.362	97	2450	0.892	ug/L #	19
46) Tetrachloroethene	8.549	164	1912	0.773	ug/L	89
48) 2-Hexanone	8.639	43	15743	7.157	ug/L #	59
53) m,p-Xylene	9.693	106	10637	2.188	ug/L	92
54) o-xylene	10.102	106	5383	1.120	ug/L	87
62) 1,3,5-Trimethylbenzene	11.086	105	14011	1.271	ug/L	95
63) 1,2,4-Trimethylbenzene	11.465	105	27158	2.487	ug/L	96
71) Naphthalene	14.085	128	45314	3.182	ug/L	98

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Quant Title : VOC Analysis
QLast Update : Sat Apr 01 04:51:17 2023
Response via : Initial Calibration

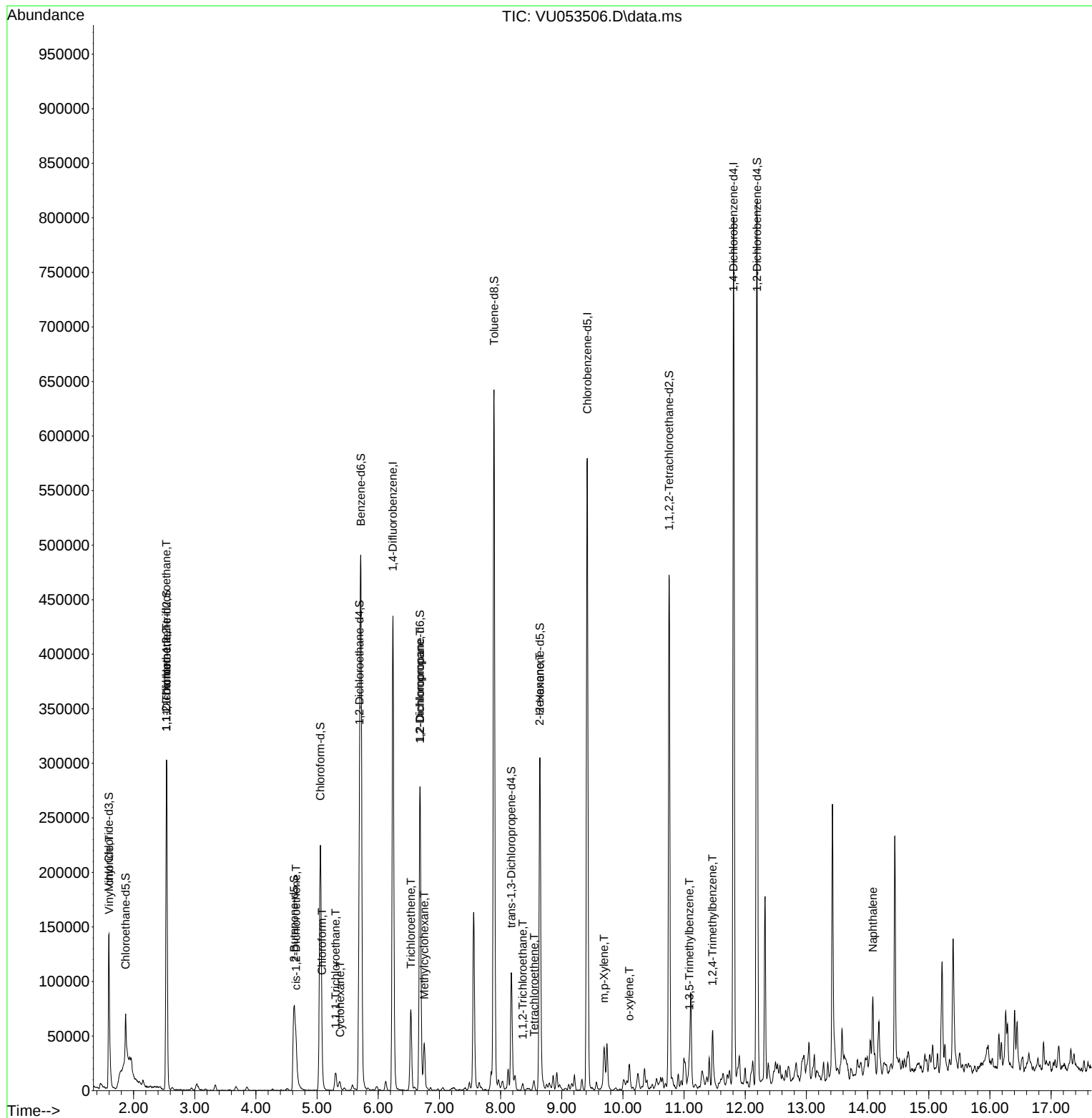
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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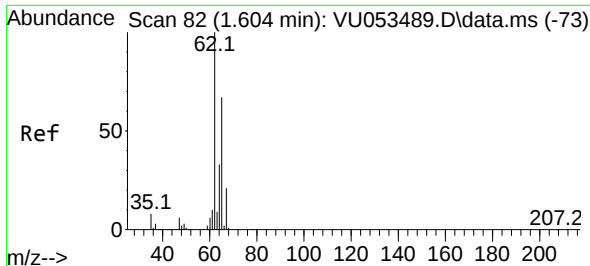
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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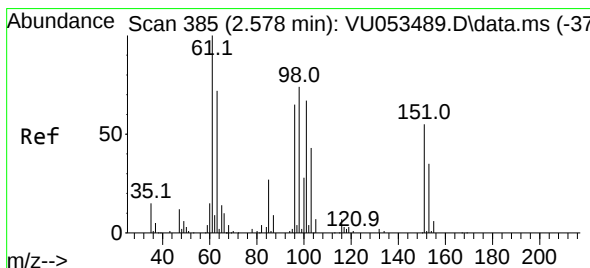
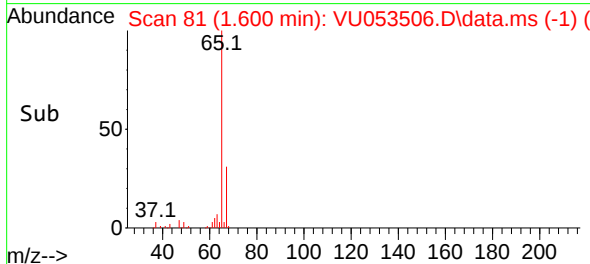
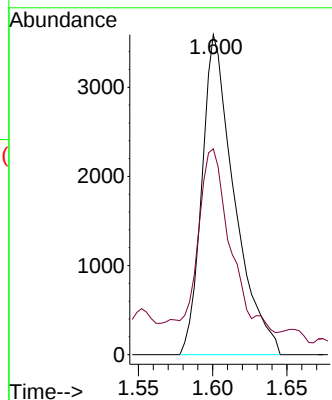
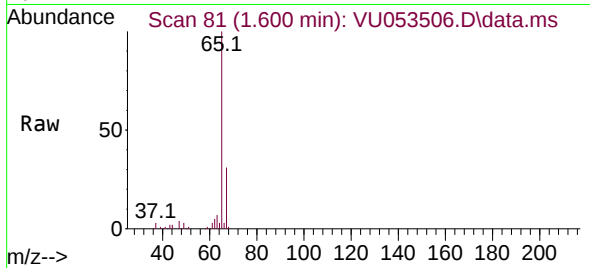




#5
 Vinyl chloride
 Concen: 1.778 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU053506.D
 Acq: 31 Mar 2023 20:55

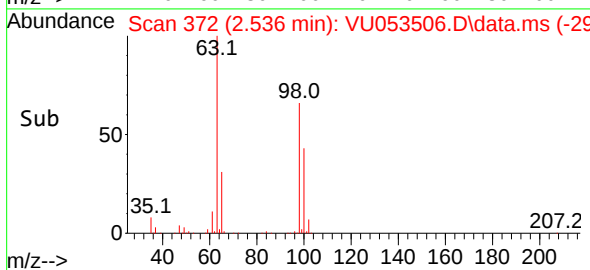
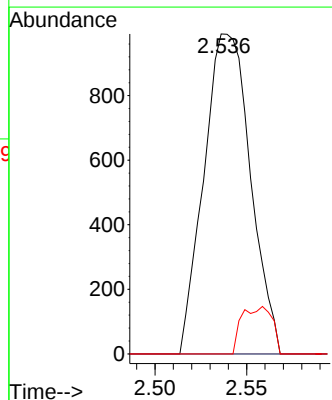
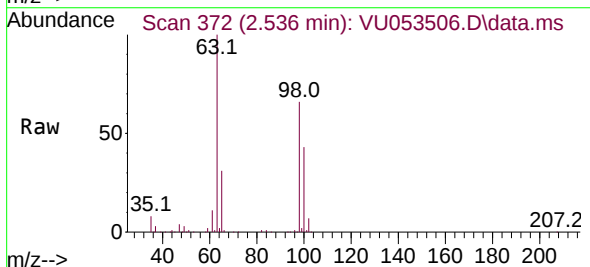
Instrument :
 MSVOA_W
 ClientSampleId :

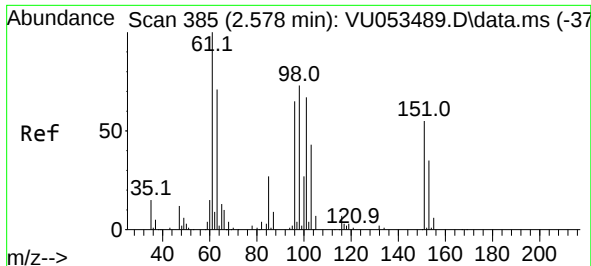
Tgt Ion: 62 Resp: 5443
 Ion Ratio Lower Upper
 62 100
 64 64.4 23.2 43.0#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.641 ug/L
 RT: 2.536 min Scan# 372
 Delta R.T. -0.042 min
 Lab File: VU053506.D
 Acq: 31 Mar 2023 20:55

Tgt Ion: 101 Resp: 1749
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.6 48.8#
 151 4.0 65.8 98.6#





#12

1,1-Dichloroethene

Concen: 0.652 ug/L

RT: 2.536 min Scan# 31

Delta R.T. -0.042 min

Lab File: VU053506.D

Acq: 31 Mar 2023 20:55

Instrument :

MSVOA_W

ClientSampleId :

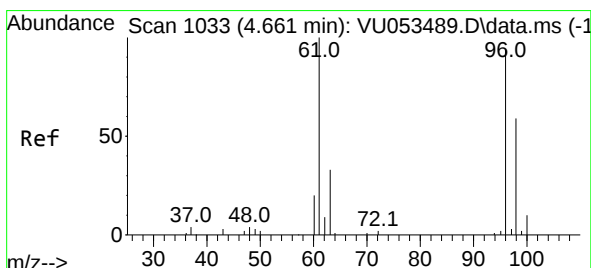
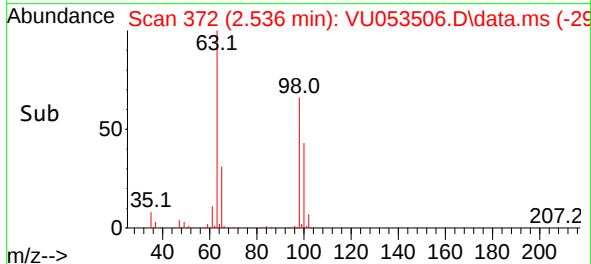
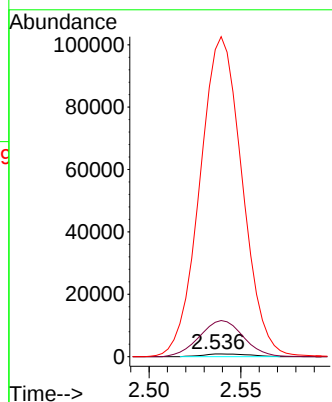
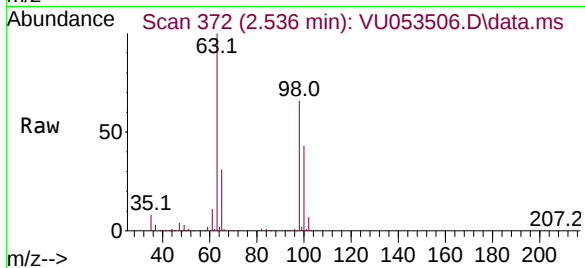
Tgt Ion: 96 Resp: 1584

Ion Ratio Lower Upper

96 100

61 1241.9 107.9 200.5#

63 11099.0 79.1 146.9#



#20

cis-1,2-Dichloroethene

Concen: 5.053 ug/L

RT: 4.655 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VU053506.D

Acq: 31 Mar 2023 20:55

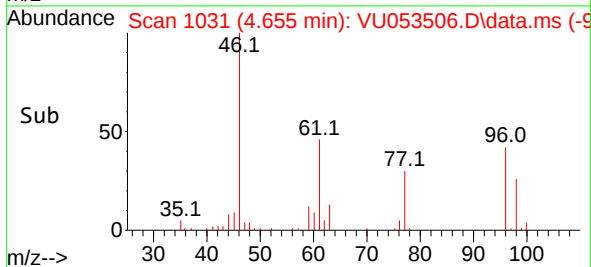
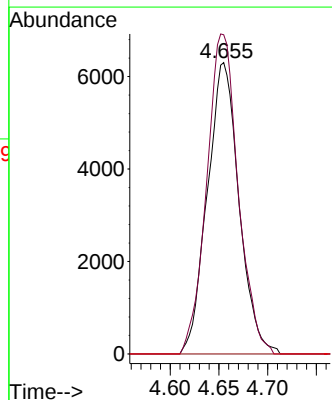
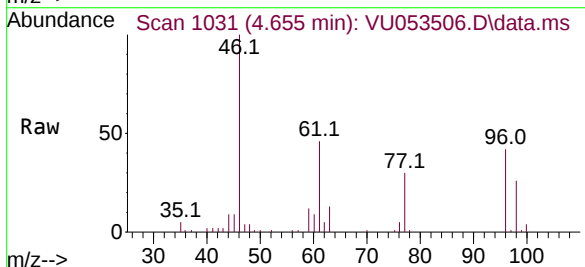
Tgt Ion: 96 Resp: 14258

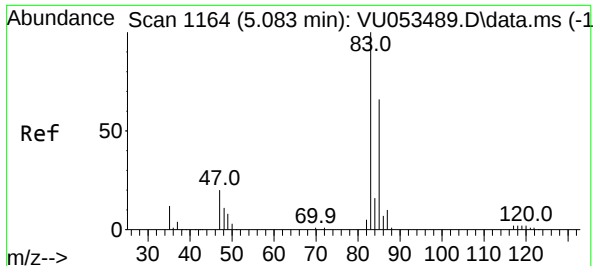
Ion Ratio Lower Upper

96 100

61 109.6 74.7 138.7

68 0.0 0.0 0.0





#25

Chloroform

Concen: 2.103 ug/L

RT: 5.079 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VU053506.D

Acq: 31 Mar 2023 20:55

Instrument :

MSVOA_W

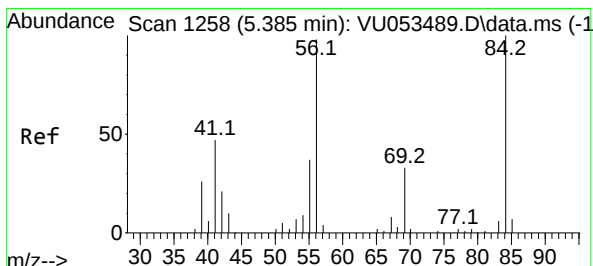
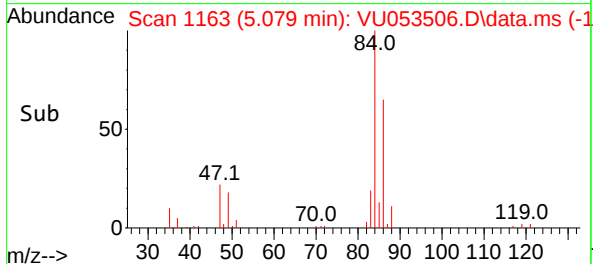
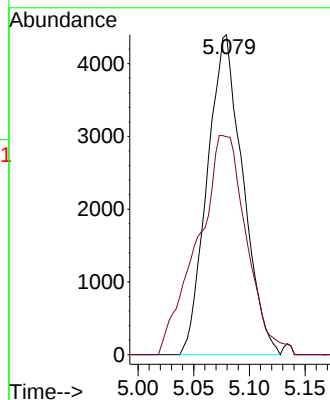
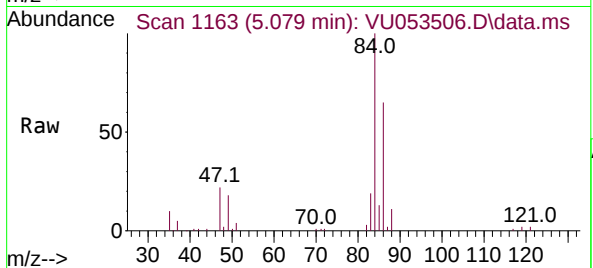
ClientSampleId :

Tgt Ion: 83 Resp: 9759

Ion Ratio Lower Upper

83 100

85 68.1 46.1 85.5



#29

Cyclohexane

Concen: 1.156 ug/L

RT: 5.375 min Scan# 1255

Delta R.T. -0.010 min

Lab File: VU053506.D

Acq: 31 Mar 2023 20:55

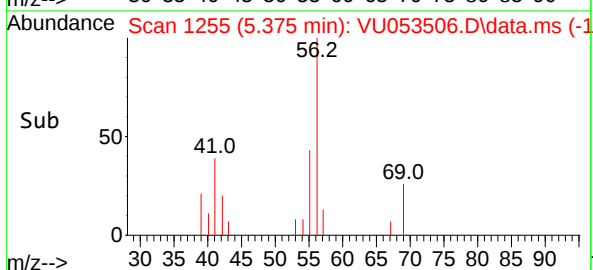
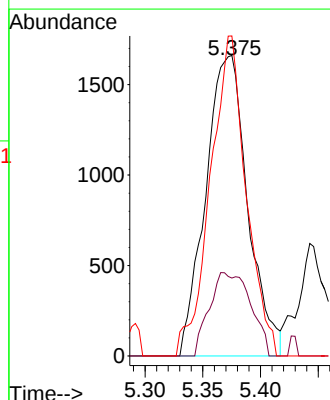
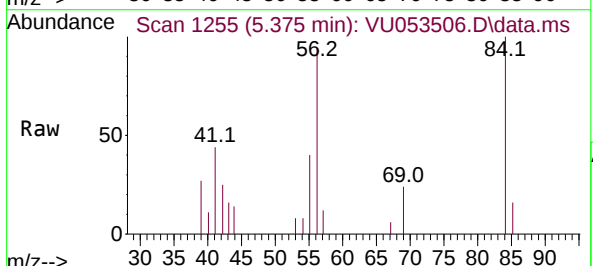
Tgt Ion: 56 Resp: 4210

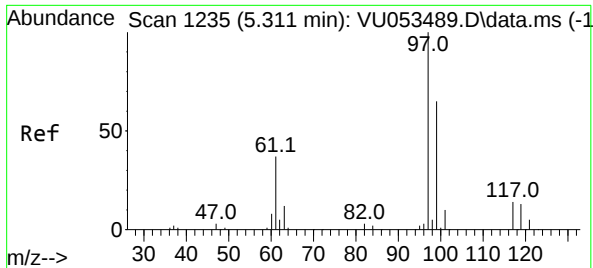
Ion Ratio Lower Upper

56 100

69 15.1 27.3 40.9#

84 90.5 81.3 121.9





#30

1,1,1-Trichloroethane

Concen: 2.905 ug/L

RT: 5.304 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU053506.D

Acq: 31 Mar 2023 20:55

Instrument :

MSVOA_W

ClientSampleId :

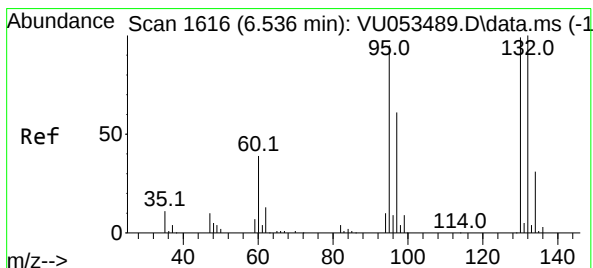
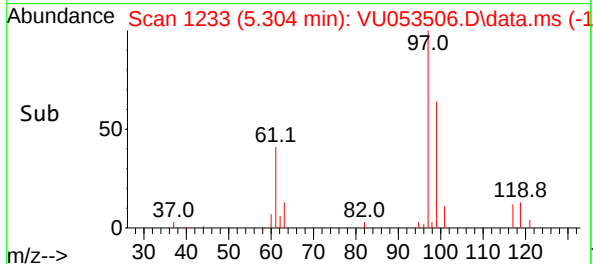
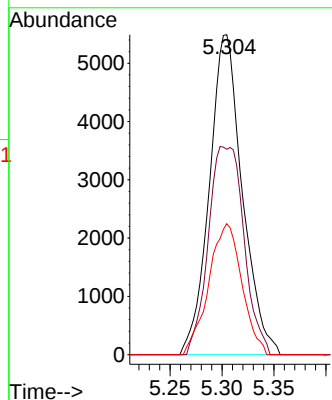
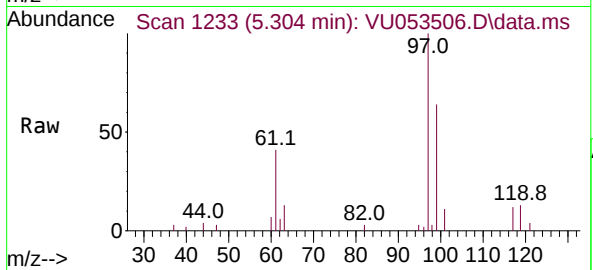
Tgt Ion: 97 Resp: 12108

Ion Ratio Lower Upper

97 100

99 38.3 51.6 77.4#

61 41.2 31.0 46.4



#34

Trichloroethene

Concen: 7.685 ug/L

RT: 6.536 min Scan# 1616

Delta R.T. -0.000 min

Lab File: VU053506.D

Acq: 31 Mar 2023 20:55

Tgt Ion: 95 Resp: 22907

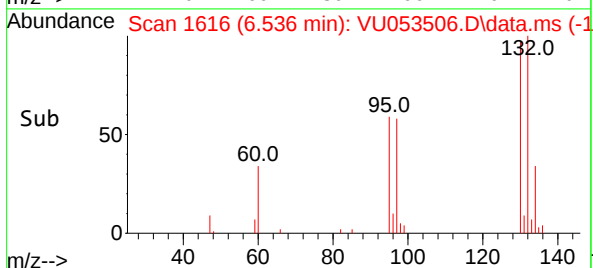
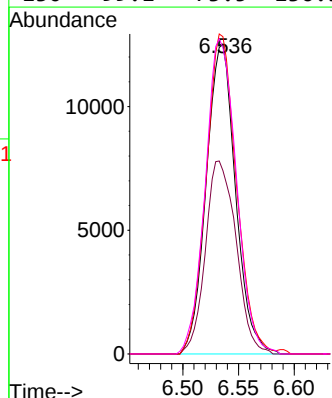
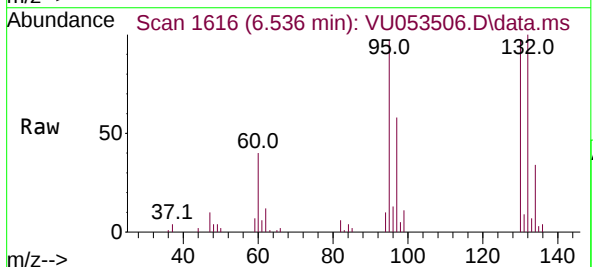
Ion Ratio Lower Upper

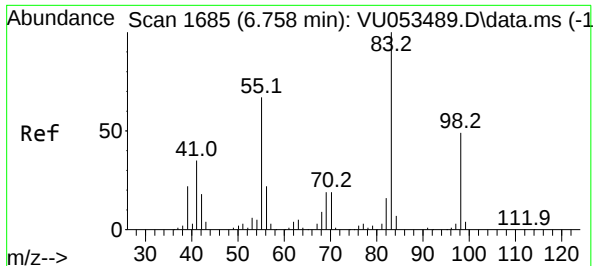
95 100

97 59.3 45.1 83.7

132 102.6 74.1 137.5

130 99.1 73.5 136.5

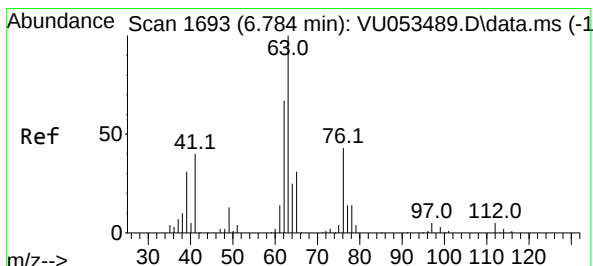
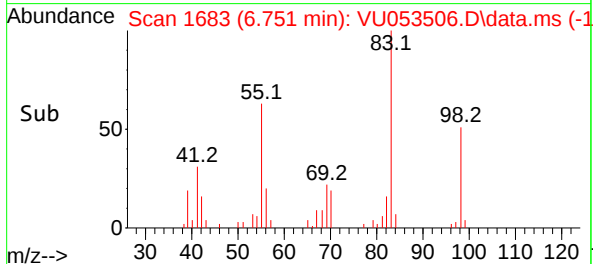
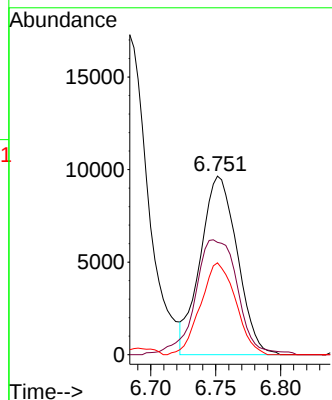
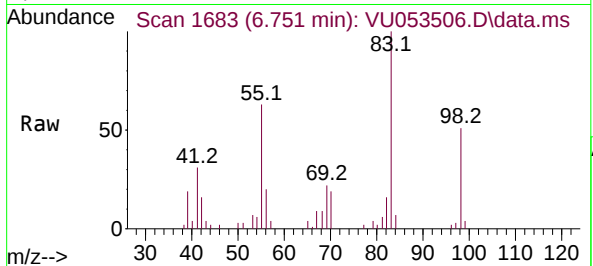




#35
Methylcyclohexane
Concen: 4.351 ug/L
RT: 6.751 min Scan# 1683
Delta R.T. -0.006 min
Lab File: VU053506.D
Acq: 31 Mar 2023 20:55

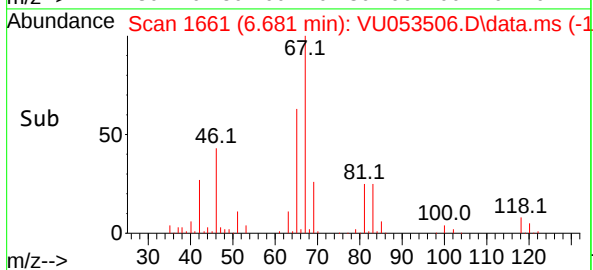
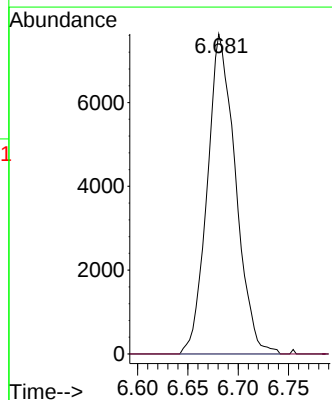
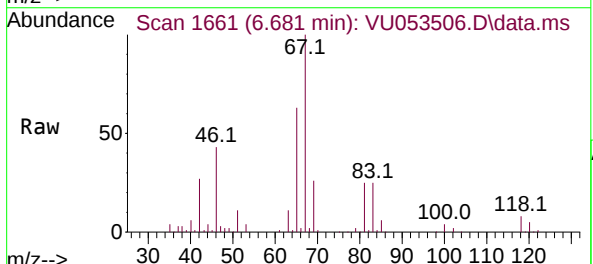
Instrument :
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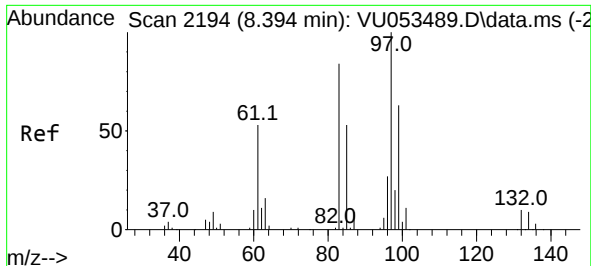
Tgt Ion: 83 Resp: 19065
Ion Ratio Lower Upper
83 100
55 74.1 53.0 79.6
98 48.9 39.0 58.6



#37
1,2-Dichloropropane
Concen: 5.962 ug/L
RT: 6.681 min Scan# 1661
Delta R.T. -0.103 min
Lab File: VU053506.D
Acq: 31 Mar 2023 20:55

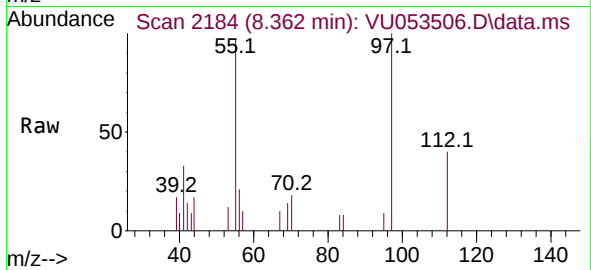
Tgt Ion: 63 Resp: 14920
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



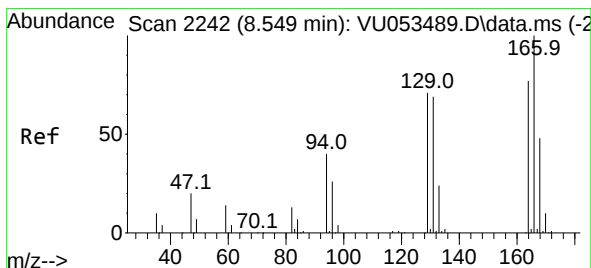
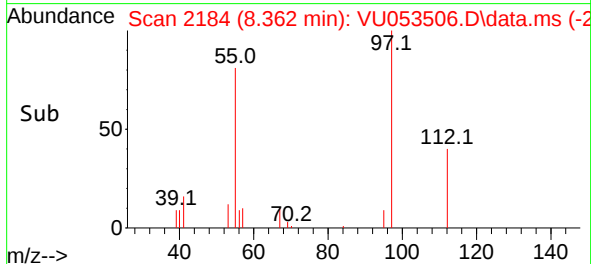
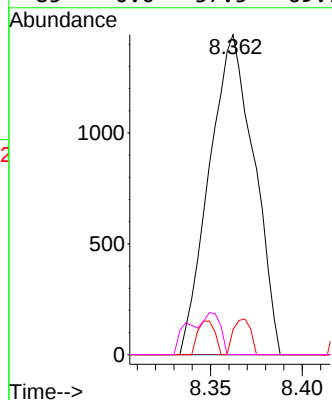


#45
1,1,2-Trichloroethane
Concen: 0.892 ug/L
RT: 8.362 min Scan# 2194
Delta R.T. -0.032 min
Lab File: VU053506.D
Acq: 31 Mar 2023 20:55

Instrument :
MSVOA_W
ClientSampleId :

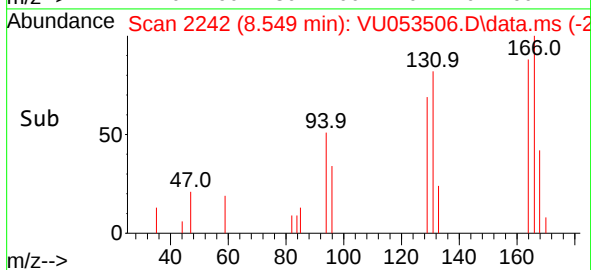
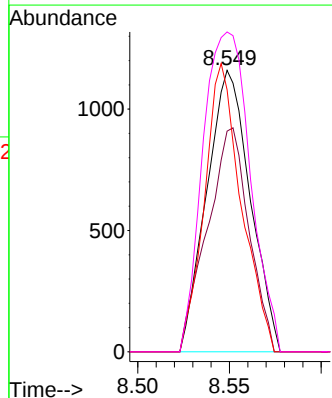
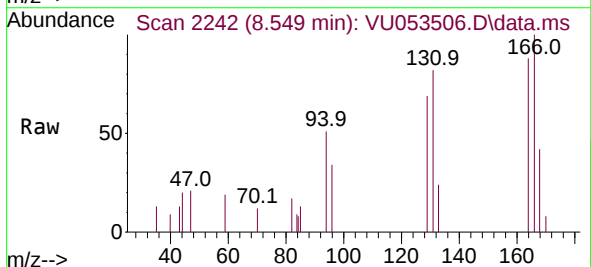


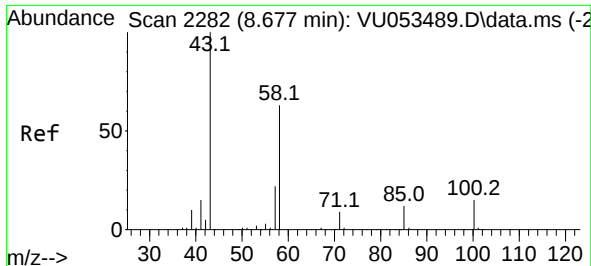
Tgt Ion: 97	Resp: 2450
Ion Ratio	Lower Upper
97 100	
99 0.0	43.8 81.3#
83 7.8	59.0 109.6#
85 0.0	37.5 69.7#



#46
Tetrachloroethene
Concen: 0.773 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053506.D
Acq: 31 Mar 2023 20:55

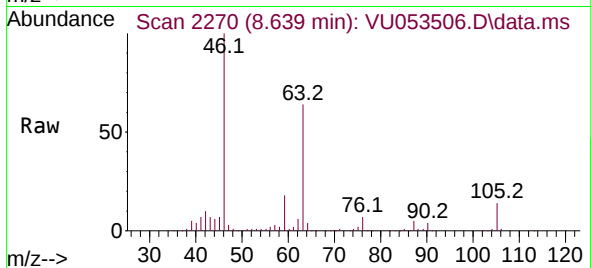
Tgt Ion:164	Resp:	1912	
Ion	Ratio	Lower	Upper
164	100		
129	78.4	64.0	119.0
131	93.1	61.9	115.1
166	113.6	90.6	168.2



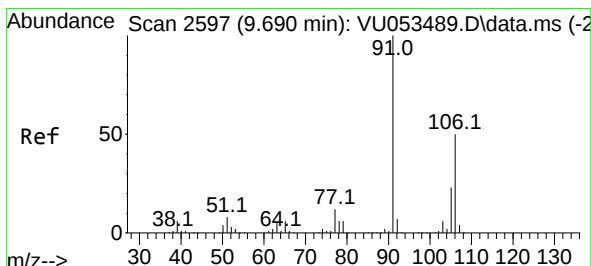
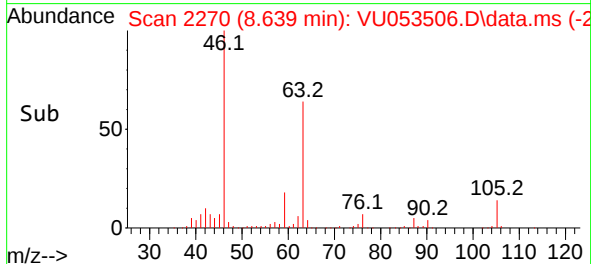
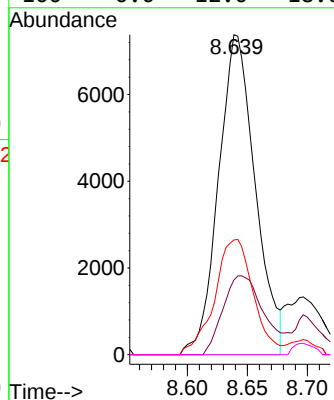


#48
2-Hexanone
Concen: 7.157 ug/L
RT: 8.639 min Scan# 21
Delta R.T. -0.039 min
Lab File: VU053506.D
Acq: 31 Mar 2023 20:55

Instrument :
MSVOA_W
ClientSampleId :

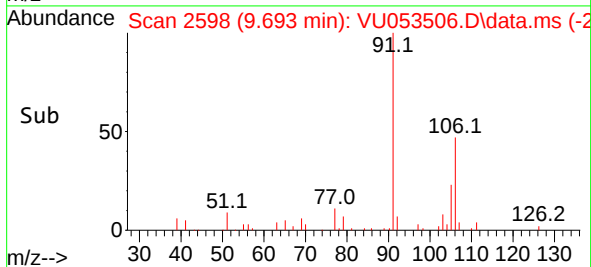
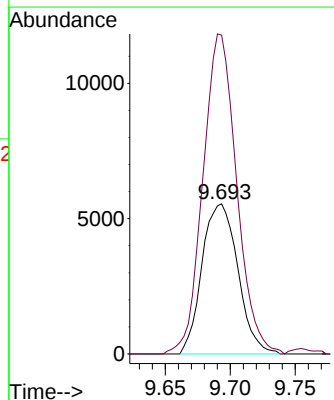
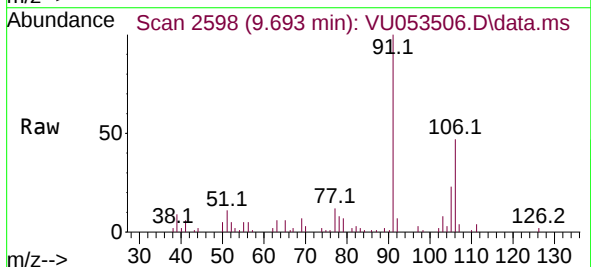


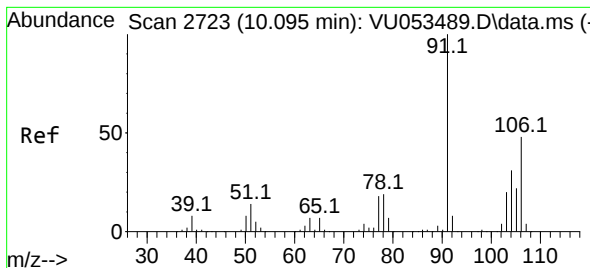
Tgt Ion: 43	Resp: 15743
Ion Ratio	Lower Upper
43 100	
58 27.3	49.8 74.6#
57 37.8	17.8 26.6#
100 0.0	12.0 18.0#



#53
m,p-Xylene
Concen: 2.188 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU053506.D
Acq: 31 Mar 2023 20:55

Tgt Ion:106	Resp:	10637	
Ion	Ratio	Lower	Upper
106	100		
91	212.5	140.0	260.0





#54

o-xylene

Concen: 1.120 ug/L

RT: 10.102 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU053506.D

Acq: 31 Mar 2023 20:55

Instrument :

MSVOA_W

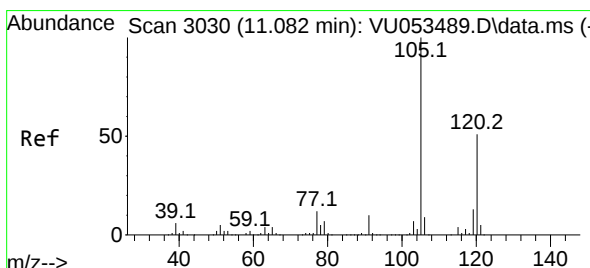
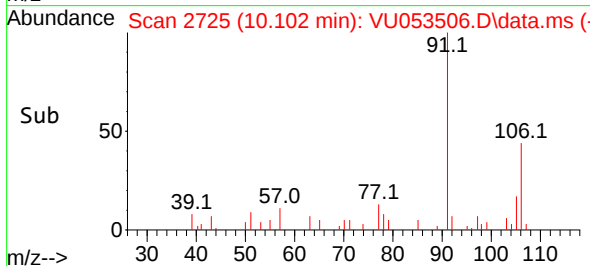
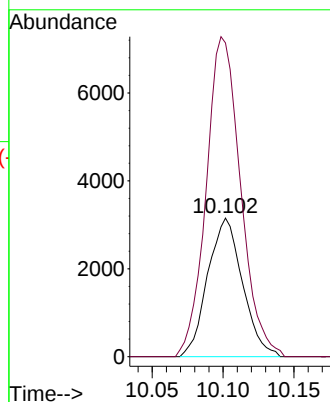
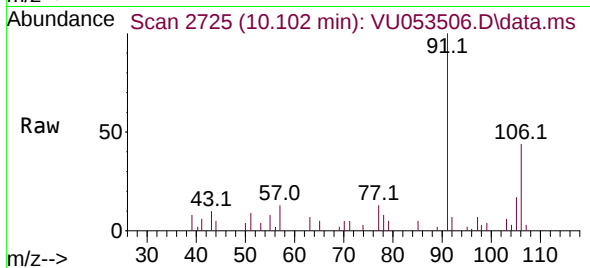
ClientSampleId :

Tgt Ion:106 Resp: 5383

Ion Ratio Lower Upper

106 100

91 226.5 144.9 269.1



#62

1,3,5-Trimethylbenzene

Concen: 1.271 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.003 min

Lab File: VU053506.D

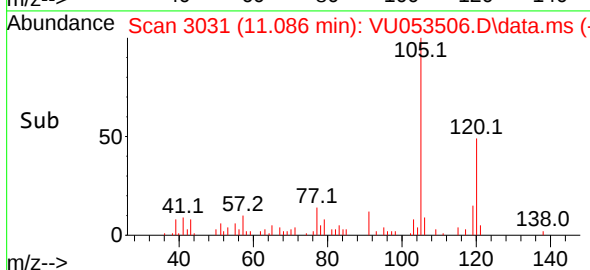
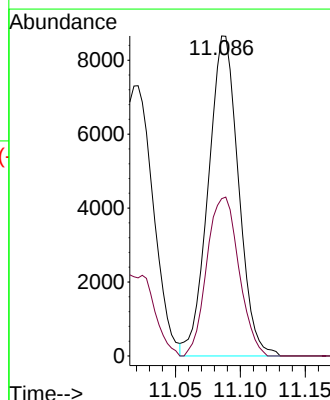
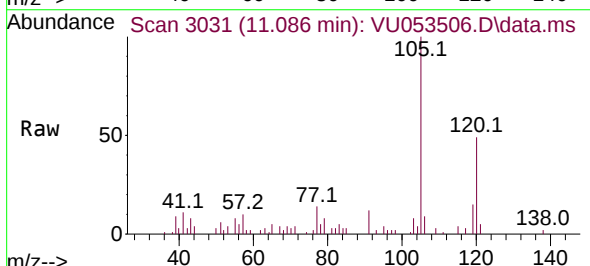
Acq: 31 Mar 2023 20:55

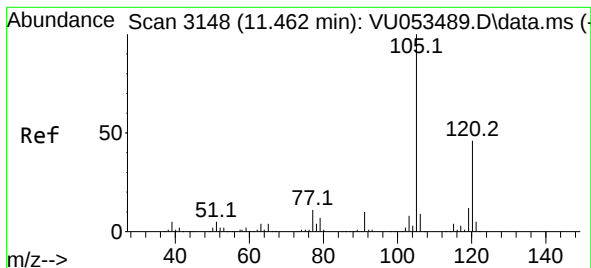
Tgt Ion:105 Resp: 14011

Ion Ratio Lower Upper

105 100

120 52.5 39.5 59.3





#63

1,2,4-Trimethylbenzene

Concen: 2.487 ug/L

RT: 11.465 min Scan# 3148

Delta R.T. 0.003 min

Lab File: VU053506.D

Acq: 31 Mar 2023 20:55

Instrument :

MSVOA_W

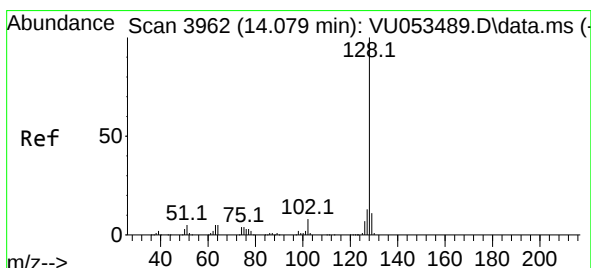
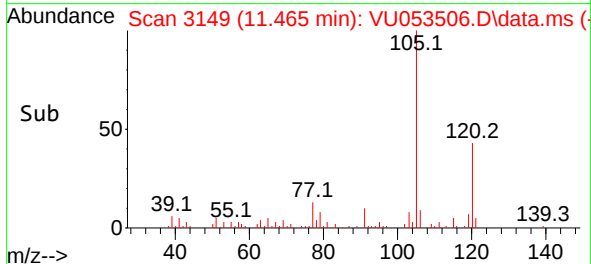
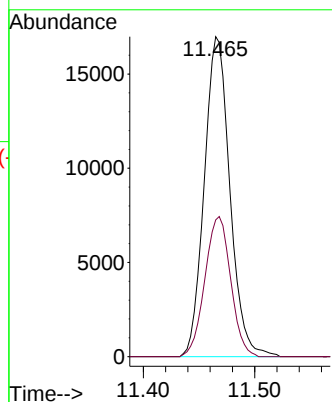
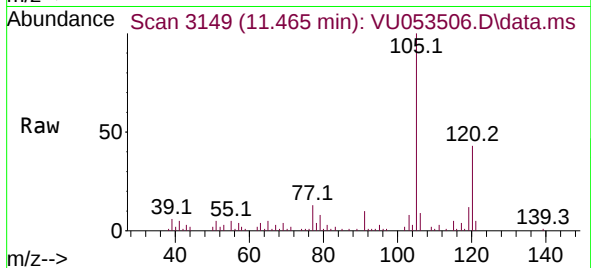
ClientSampleId :

Tgt Ion:105 Resp: 27158

Ion Ratio Lower Upper

105 100

120 44.0 37.5 56.3



#71

Naphthalene

Concen: 3.182 ug/L

RT: 14.085 min Scan# 3964

Delta R.T. 0.006 min

Lab File: VU053506.D

Acq: 31 Mar 2023 20:55

Tgt Ion:128 Resp: 45314

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.2

129 11.7 8.6 12.8

