

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110422\
 Data File : VU051763.D
 Acq On : 04 Nov 2022 16:26
 Operator : JC/MD
 Sample : N5407-02DL 5X
 Misc : 25.5mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 04 22:07:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 04 22:04:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	166382	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	178944	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	91237	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	55154	4.401	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.000%
7) Chloroethane-d5	1.909	69	51794	3.963	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.200%
11) 1,1-Dichloroethene-d2	2.562	65	22972	5.051	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.000%
20) 2-Butanone-d5	4.645	46	137309	30.256	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	60.520%
24) Chloroform-d	5.060	84	128117	4.369	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	5.700	65	63227	3.991	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.800%
32) Benzene-d6	5.726	84	234644	4.155	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	6.690	67	81845	4.145	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.800%
41) Toluene-d8	7.896	98	191229	4.306	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
43) trans-1,3-Dichloroprop...	8.179	79	24472	4.053	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.000%
46) 2-Hexanone-d5	8.636	63	133203	36.649	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	73.300%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	74234	4.102	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	84312	5.035	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	6324	0.276	ug/L #	67
5) Vinyl chloride	1.601	62	2829	0.129	ug/L #	1
8) Chloroethane	2.131	64	2968	0.222	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	845	0.060	ug/L #	19
13) Acetone	2.662	43	148082	64.310	ug/L	96
14) Carbon disulfide	2.787	76	282461	6.058	ug/L	100
15) Methyl Acetate	3.031	43	1825	0.303	ug/L #	50
16) Methylene chloride	3.044	84	127493	5.381	ug/L	98
19) 1,1-Dichloroethane	3.867	63	55629	1.943	ug/L	98
21) 2-Butanone	4.729	43	68199	18.913	ug/L	93
33) Benzene	5.774	78	12384	0.175	ug/L	100
35) Methylcyclohexane	6.690	83	18621	0.790	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	8319	0.458	ug/L #	88
40) 4-Methyl-2-pentanone	7.793	43	50601	5.554	ug/L	94
42) Toluene	7.967	91	93563	1.290	ug/L	98
52) Ethylbenzene	9.571	91	17236	0.246	ug/L	98
53) m,p-Xylene	9.690	106	21573	0.794	ug/L	92
54) o-Xylene	10.099	106	6695	0.252	ug/L	91
55) Styrene	10.111	104	2152	0.048	ug/L #	59

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Response via : Initial Calibration

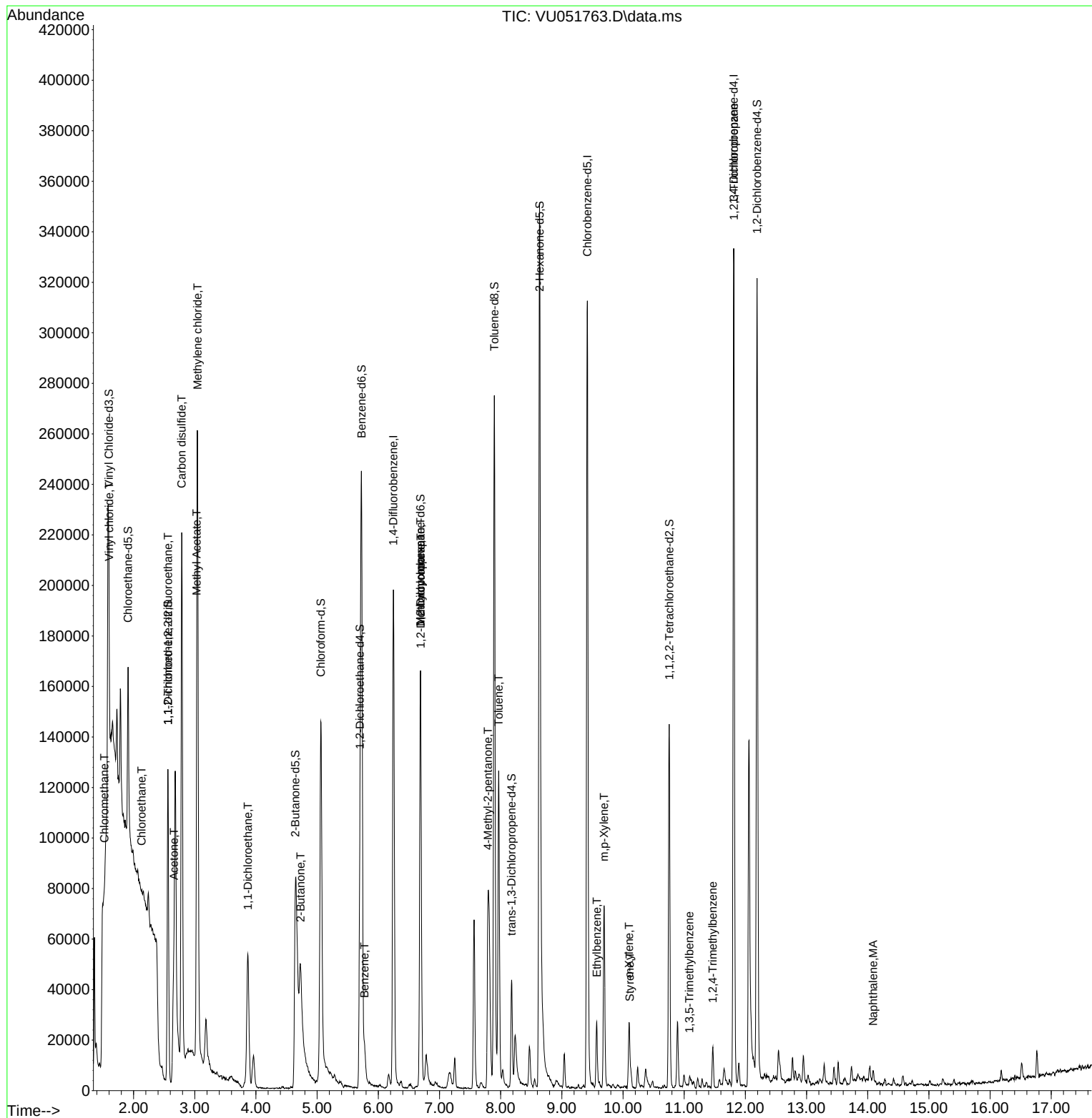
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.812	75	10768	0.913	ug/L #	68
62) 1,3,5-Trimethylbenzene	11.086	105	2414	0.135	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	8045	0.156	ug/L	96
71) Naphthalene	14.089	128	5360	0.158	ug/L	98

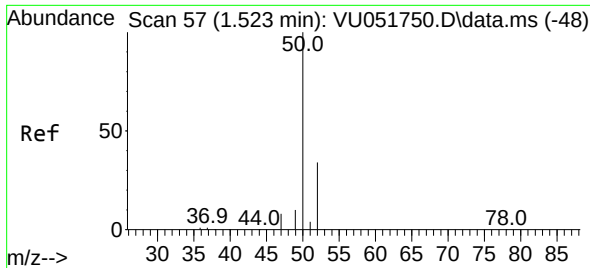
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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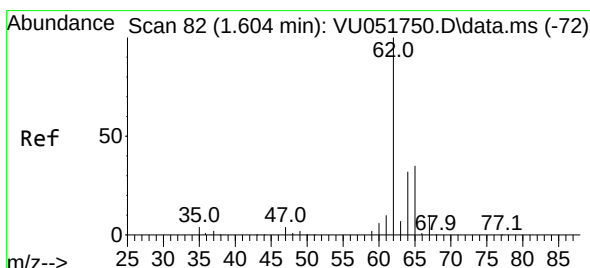
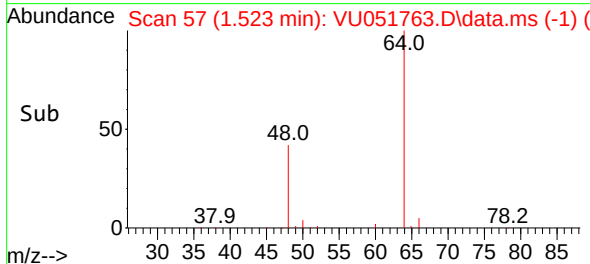
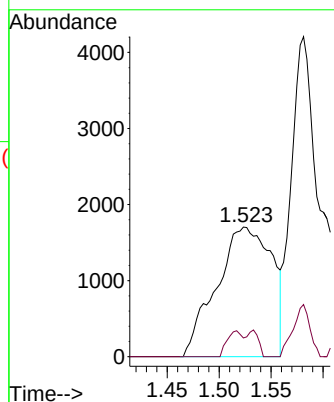
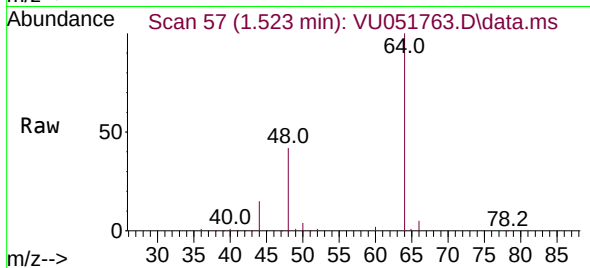




#3
Chloromethane
Concen: 0.276 ug/L
RT: 1.523 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU051763.D
Acq: 04 Nov 2022 16:26

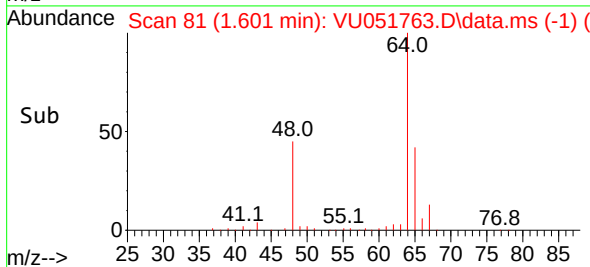
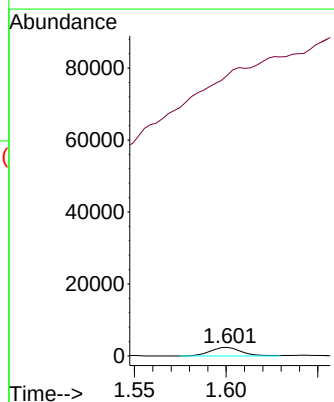
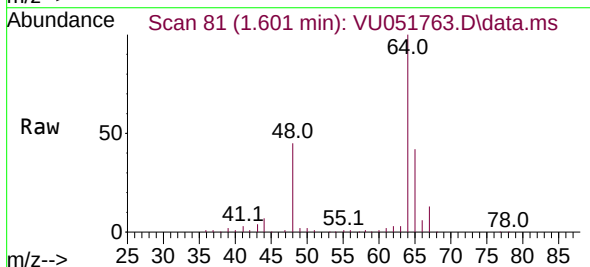
Instrument :
MSVOA_U
ClientSampleId :

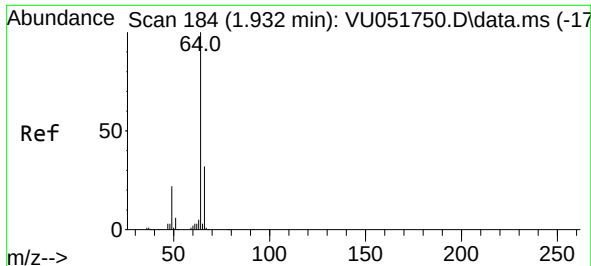
Tgt Ion: 50 Resp: 6324
Ion Ratio Lower Upper
50 100
52 14.4 23.2 43.2#



#5
Vinyl chloride
Concen: 0.129 ug/L
RT: 1.601 min Scan# 81
Delta R.T. -0.003 min
Lab File: VU051763.D
Acq: 04 Nov 2022 16:26

Tgt Ion: 62 Resp: 2829
Ion Ratio Lower Upper
62 100
64 3252.1 22.1 41.1#

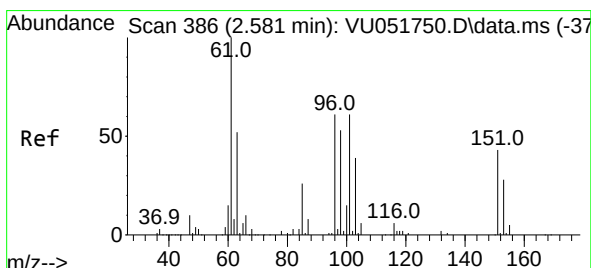
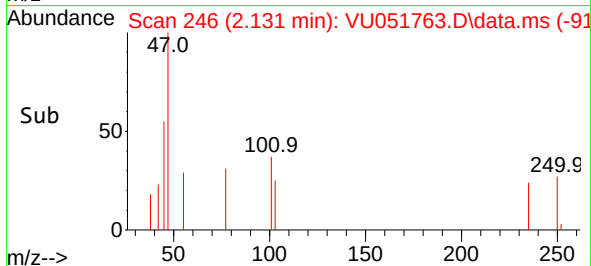
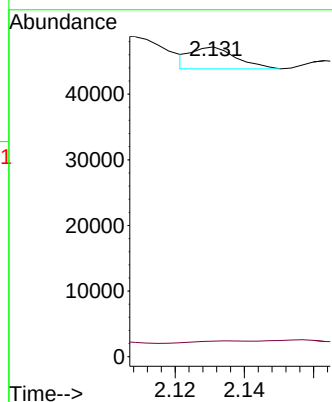
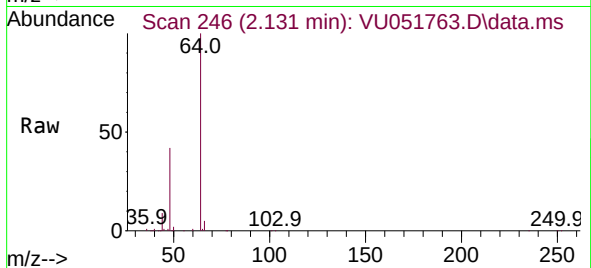




#8
Chloroethane
Concen: 0.222 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.199 min
Lab File: VU051763.D
Acq: 04 Nov 2022 16:26

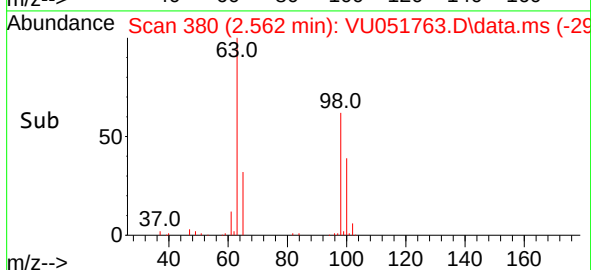
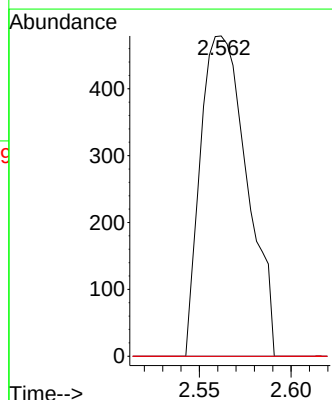
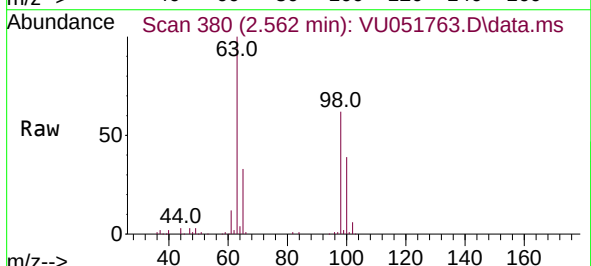
Instrument :
MSVOA_U
ClientSampleId :

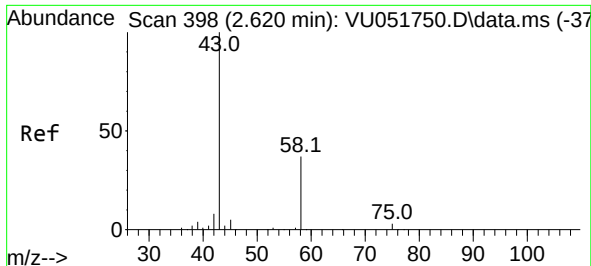
Tgt Ion: 64 Resp: 2968
Ion Ratio Lower Upper
64 100
66 5.0 22.3 41.5#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.060 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.019 min
Lab File: VU051763.D
Acq: 04 Nov 2022 16:26

Tgt Ion: 101 Resp: 845
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 0.0 59.6 89.4#





#13

Acetone

Concen: 64.310 ug/L

RT: 2.662 min Scan# 411

Delta R.T. 0.042 min

Lab File: VU051763.D

Acq: 04 Nov 2022 16:26

Instrument :

MSVOA_U

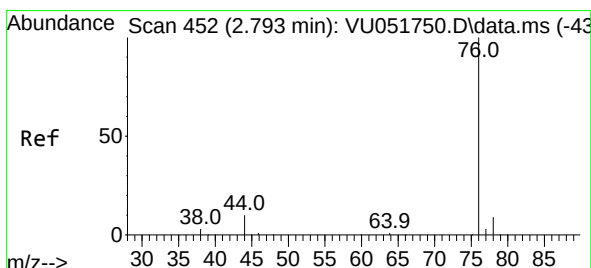
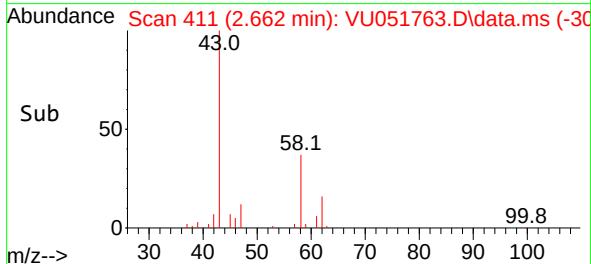
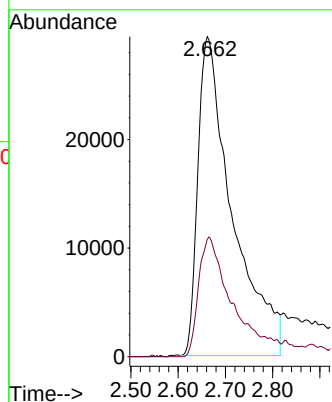
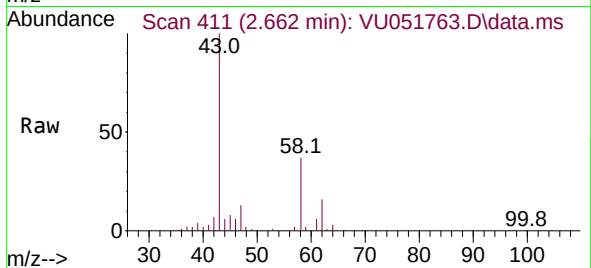
ClientSampleId :

Tgt Ion: 43 Resp: 148082

Ion Ratio Lower Upper

43 100

58 34.6 0.0 73.8



#14

Carbon disulfide

Concen: 6.058 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.006 min

Lab File: VU051763.D

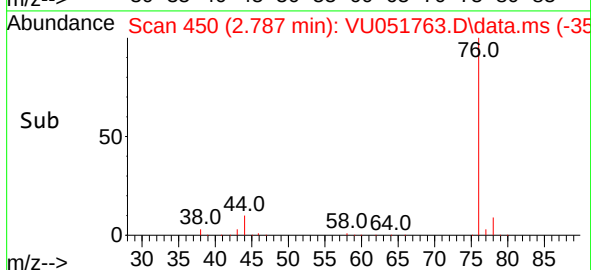
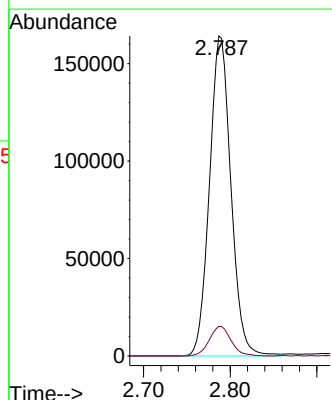
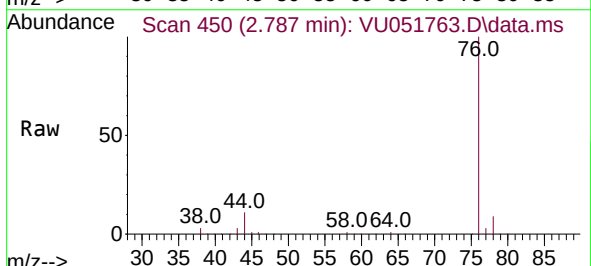
Acq: 04 Nov 2022 16:26

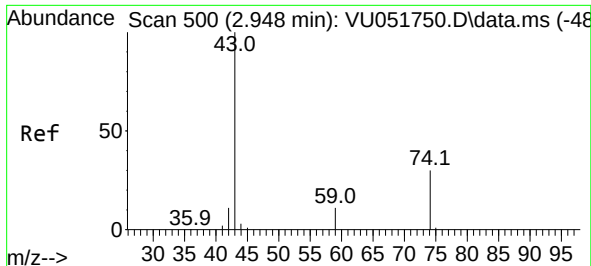
Tgt Ion: 76 Resp: 282461

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

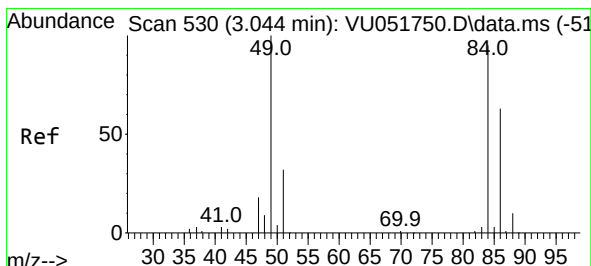
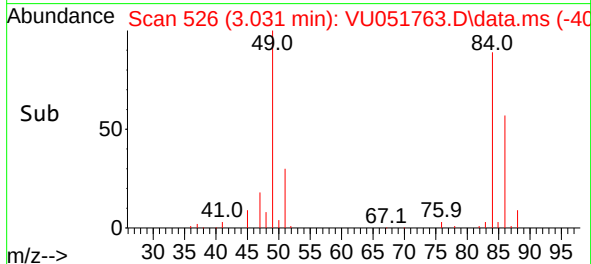
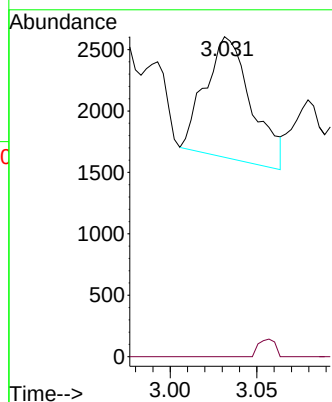
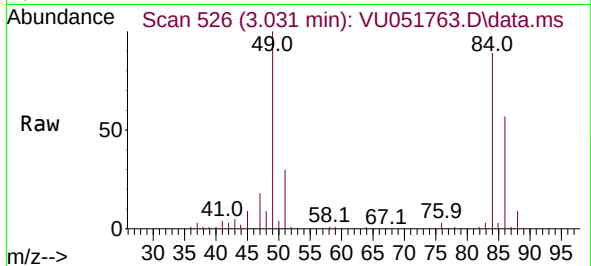




#15
Methyl Acetate
Concen: 0.303 ug/L
RT: 3.031 min Scan# 51
Delta R.T. 0.084 min
Lab File: VU051763.D
Acq: 04 Nov 2022 16:26

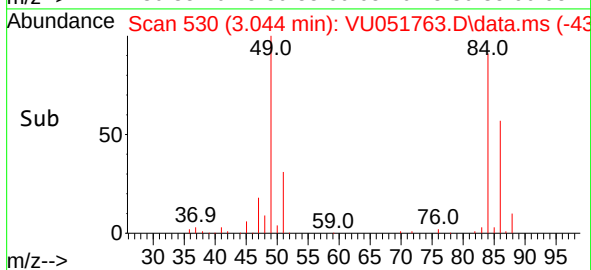
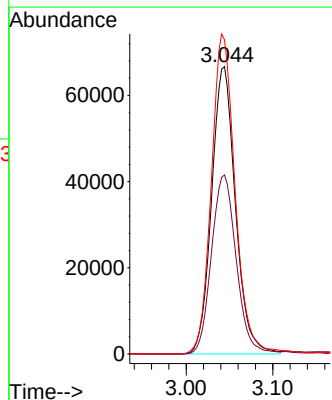
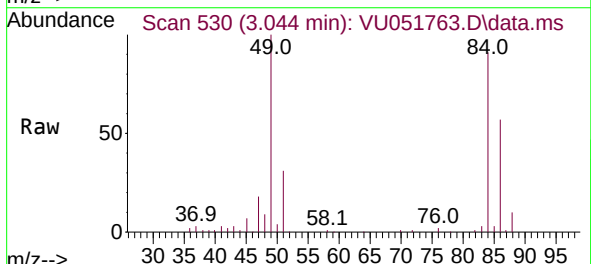
Instrument :
MSVOA_U
ClientSampleId :

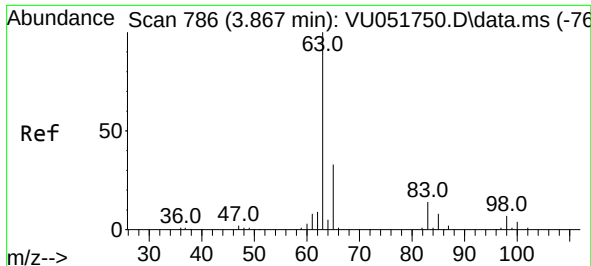
Tgt Ion: 43 Resp: 1825
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



#16
Methylene chloride
Concen: 5.381 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU051763.D
Acq: 04 Nov 2022 16:26

Tgt Ion: 84 Resp: 127493
Ion Ratio Lower Upper
84 100
86 62.3 46.3 85.9
49 109.4 76.0 141.2





#19

1,1-Dichloroethane

Concen: 1.943 ug/L

RT: 3.867 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU051763.D

Acq: 04 Nov 2022 16:26

Instrument :

MSVOA_U

ClientSampleId :

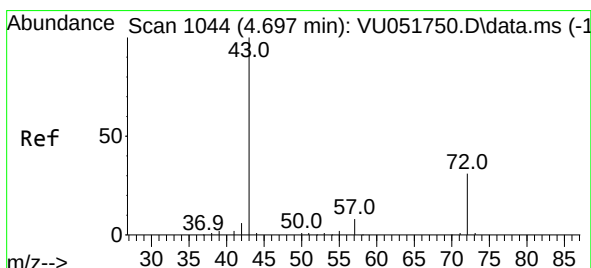
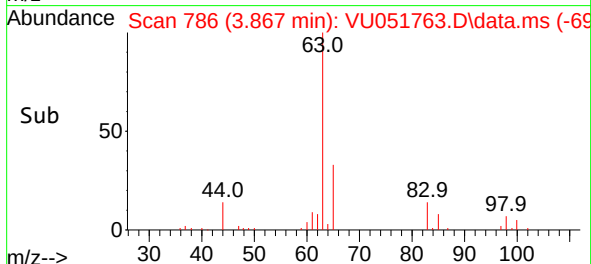
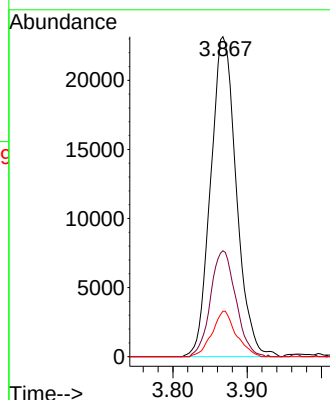
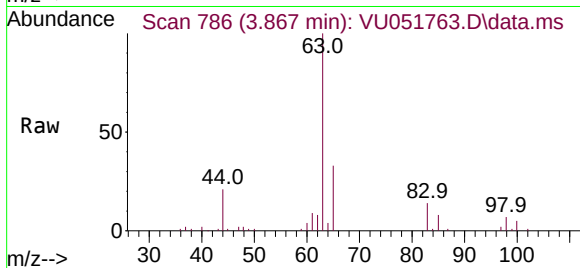
Tgt Ion: 63 Resp: 55629

Ion Ratio Lower Upper

63 100

65 33.1 22.7 42.1

83 14.2 9.2 17.0



#21

2-Butanone

Concen: 18.913 ug/L

RT: 4.729 min Scan# 1054

Delta R.T. 0.032 min

Lab File: VU051763.D

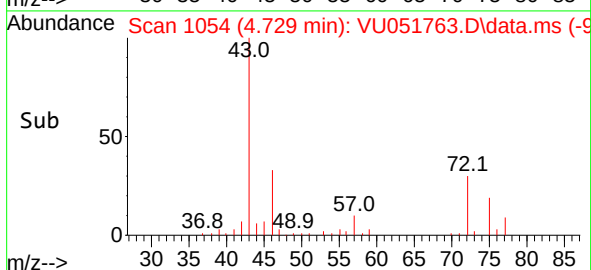
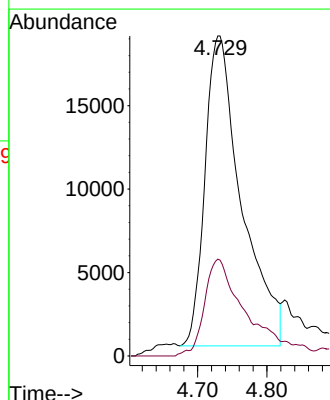
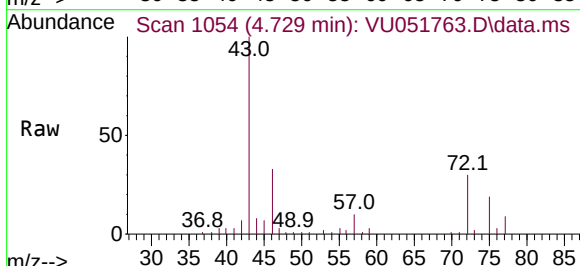
Acq: 04 Nov 2022 16:26

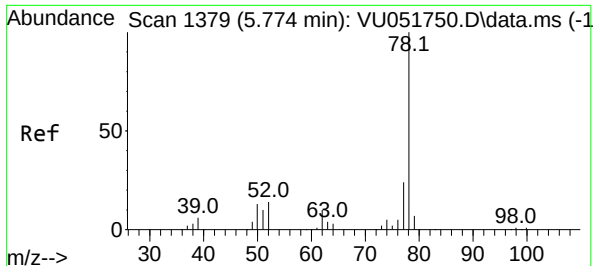
Tgt Ion: 43 Resp: 68199

Ion Ratio Lower Upper

43 100

72 36.0 16.2 48.5

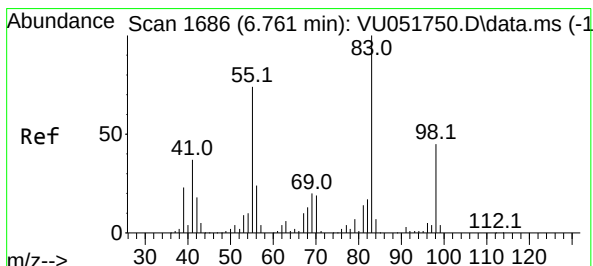
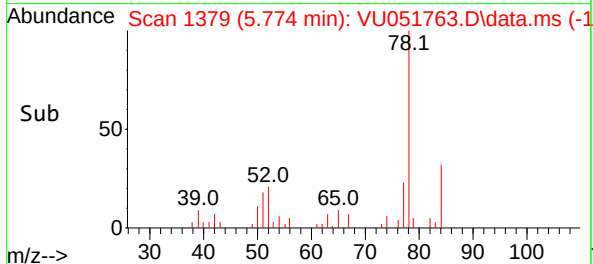
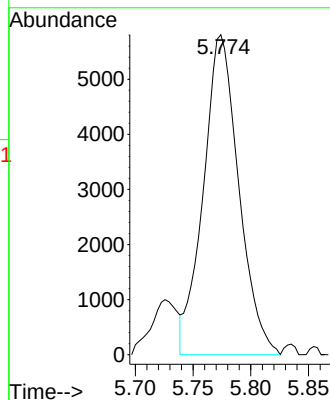
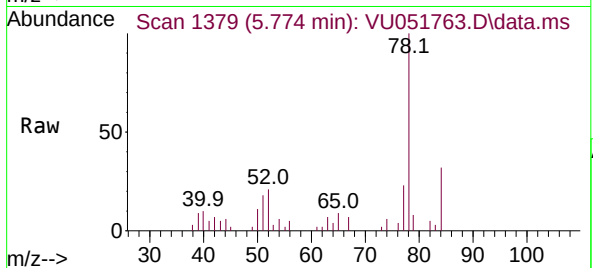




#33
Benzene
Concen: 0.175 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU051763.D
Acq: 04 Nov 2022 16:26

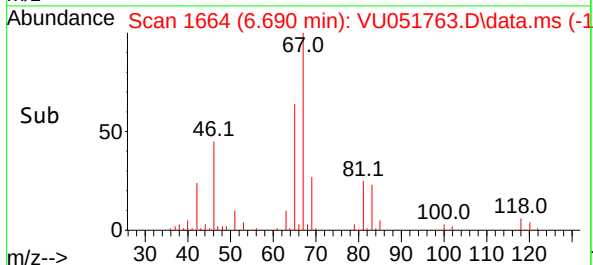
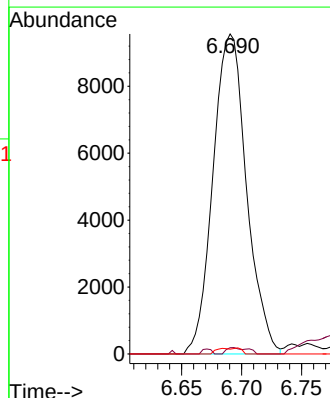
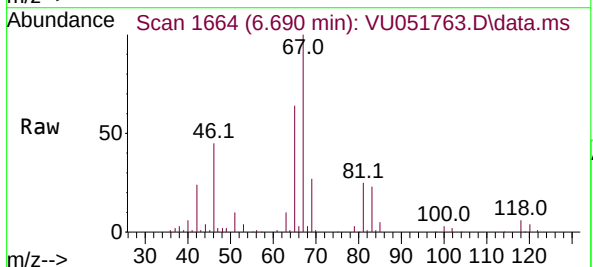
Instrument :
MSVOA_U
ClientSampleId :

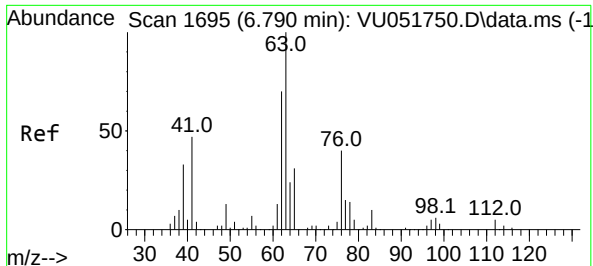
Tgt Ion: 78 Resp: 12384



#35
Methylcyclohexane
Concen: 0.790 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU051763.D
Acq: 04 Nov 2022 16:26

Tgt Ion: 83 Resp: 18621
Ion Ratio Lower Upper
83 100
55 0.8 60.6 90.8#
98 0.7 35.8 53.6#





#37

1,2-Dichloropropane

Concen: 0.458 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.096 min

Lab File: VU051763.D

Acq: 04 Nov 2022 16:26

Instrument :

MSVOA_U

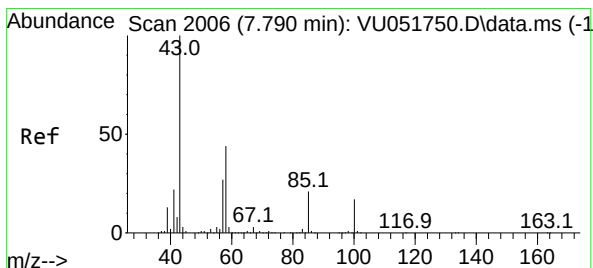
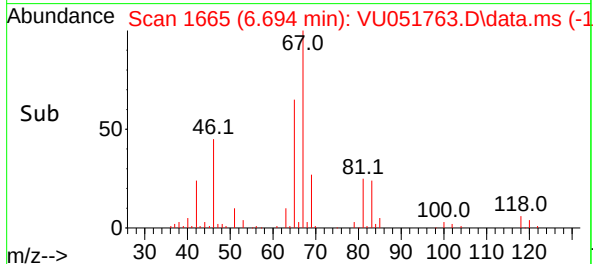
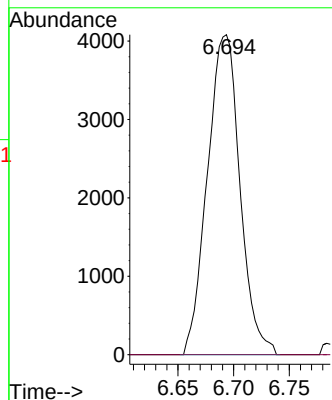
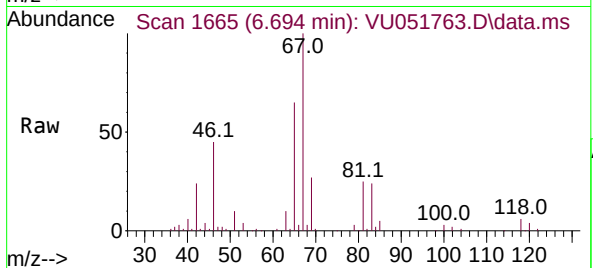
ClientSampleId :

Tgt Ion: 63 Resp: 8319

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#40

4-Methyl-2-pentanone

Concen: 5.554 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU051763.D

Acq: 04 Nov 2022 16:26

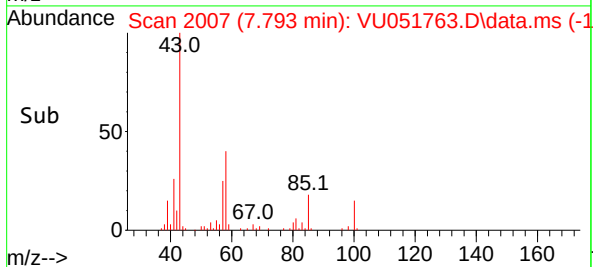
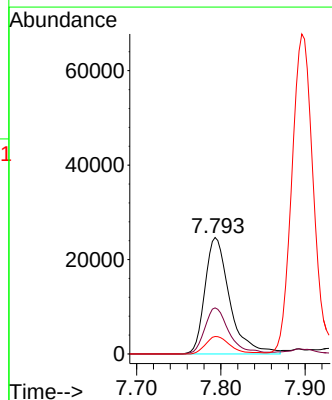
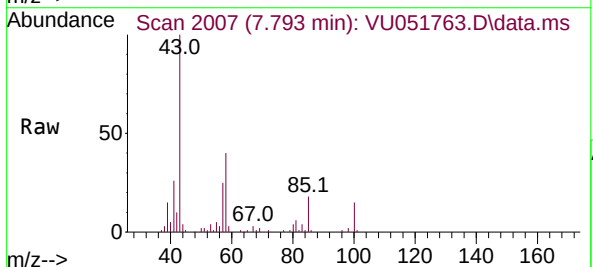
Tgt Ion: 43 Resp: 50601

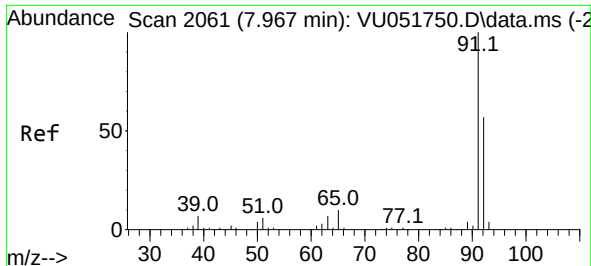
Ion Ratio Lower Upper

43 100

58 39.2 35.0 52.6

100 15.2 13.4 20.0





#42

Toluene

Concen: 1.290 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051763.D

Acq: 04 Nov 2022 16:26

Instrument :

MSVOA_U

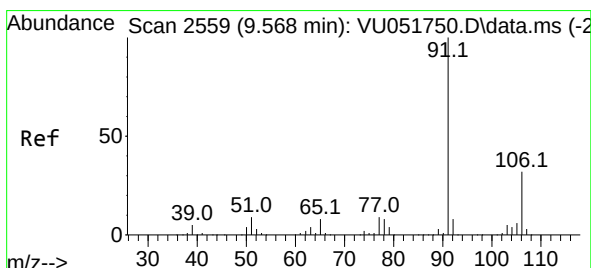
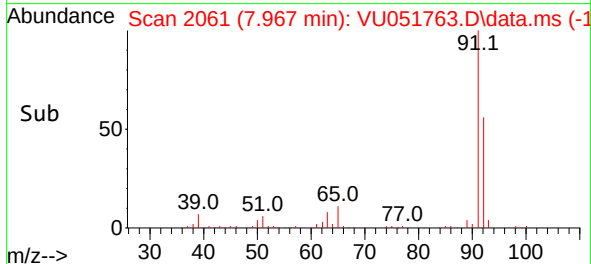
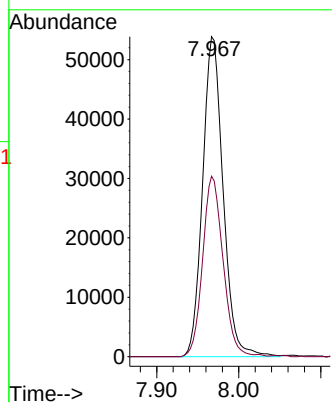
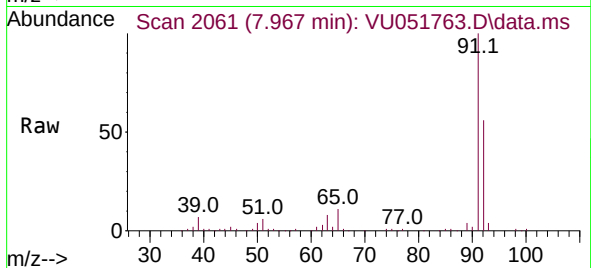
ClientSampleId :

Tgt Ion: 91 Resp: 93563

Ion Ratio Lower Upper

91 100

92 56.4 40.5 75.3



#52

Ethylbenzene

Concen: 0.246 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. 0.003 min

Lab File: VU051763.D

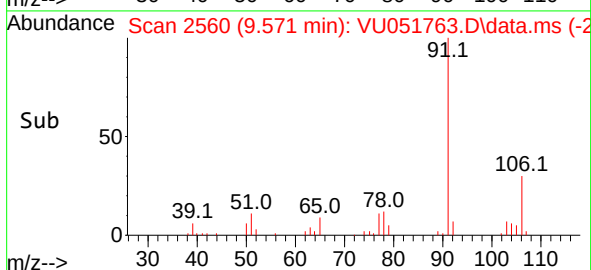
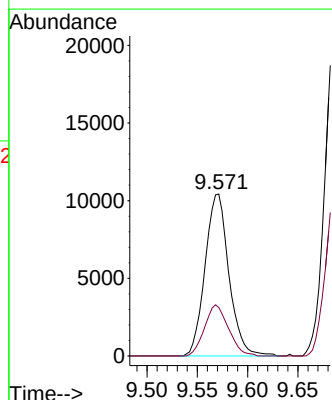
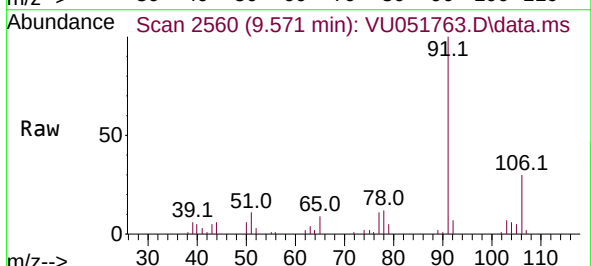
Acq: 04 Nov 2022 16:26

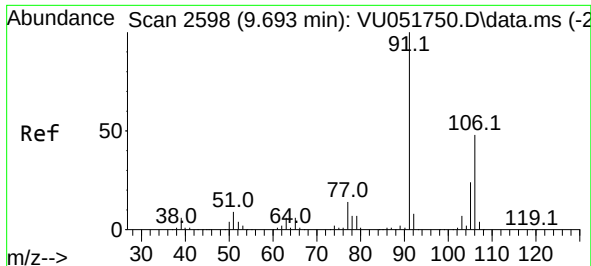
Tgt Ion: 91 Resp: 17236

Ion Ratio Lower Upper

91 100

106 30.0 21.8 40.6

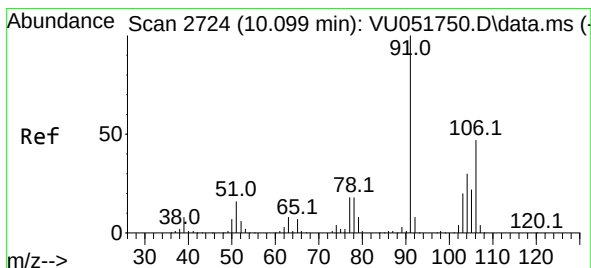
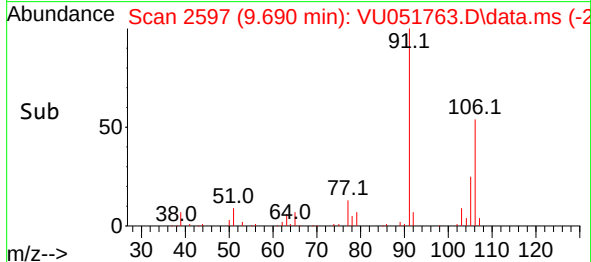
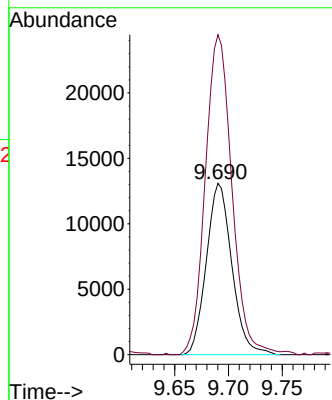
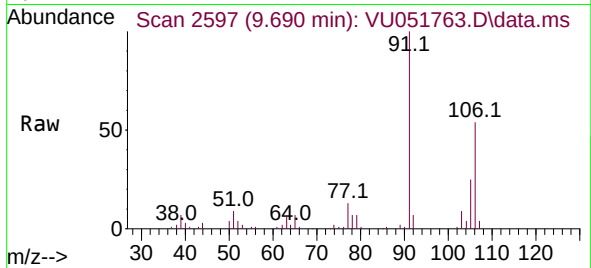




#53
m,p-Xylene
Concen: 0.794 ug/L
RT: 9.690 min Scan# 21573
Delta R.T. -0.003 min
Lab File: VU051763.D
Acq: 04 Nov 2022 16:26

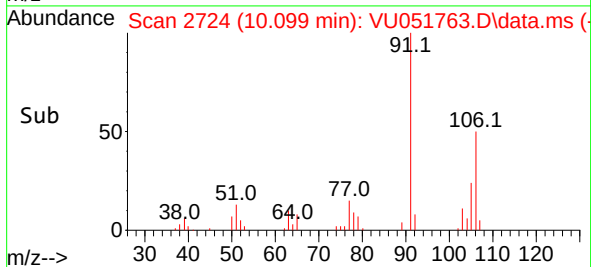
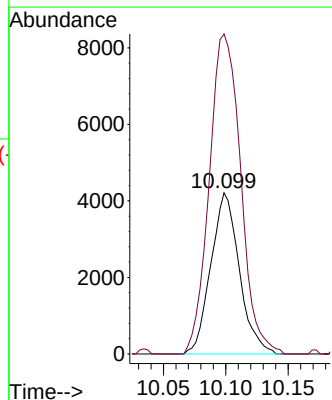
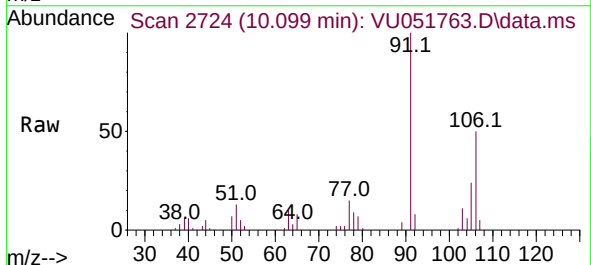
Instrument :
MSVOA_U
ClientSampleId :

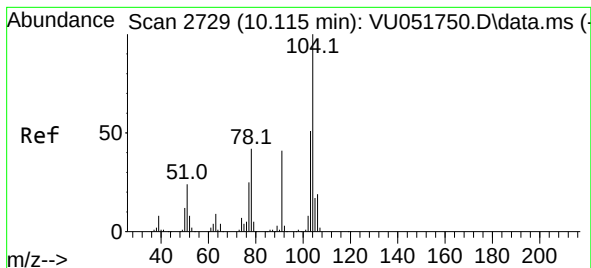
Tgt Ion:106 Resp: 21573
Ion Ratio Lower Upper
106 100
91 186.8 139.4 259.0



#54
o-Xylene
Concen: 0.252 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051763.D
Acq: 04 Nov 2022 16:26

Tgt Ion:106 Resp: 6695
Ion Ratio Lower Upper
106 100
91 198.6 149.2 277.2





#55

Styrene

Concen: 0.048 ug/L

RT: 10.111 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU051763.D

Acq: 04 Nov 2022 16:26

Instrument :

MSVOA_U

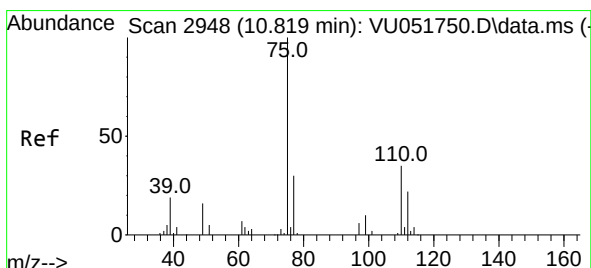
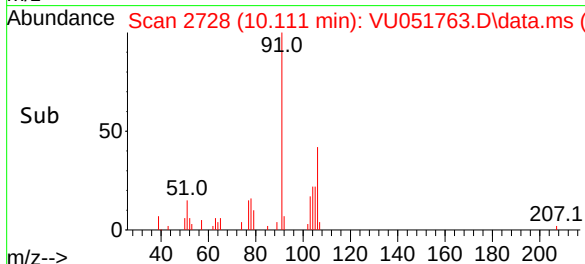
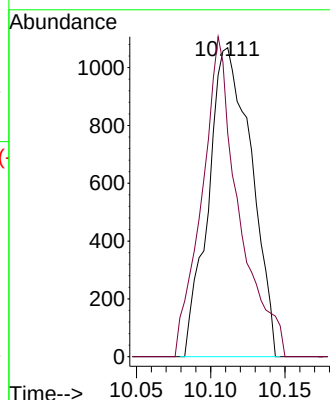
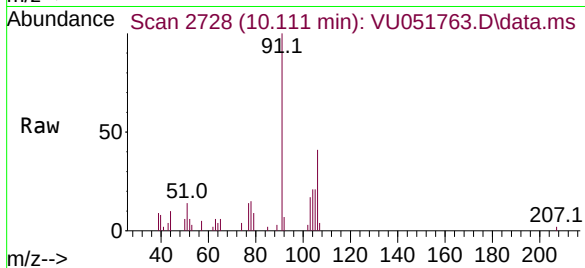
ClientSampleId :

Tgt Ion:104 Resp: 2152

Ion Ratio Lower Upper

104 100

78 72.3 31.8 59.0#



#61

1,2,3-Trichloropropane

Concen: 0.913 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.994 min

Lab File: VU051763.D

Acq: 04 Nov 2022 16:26

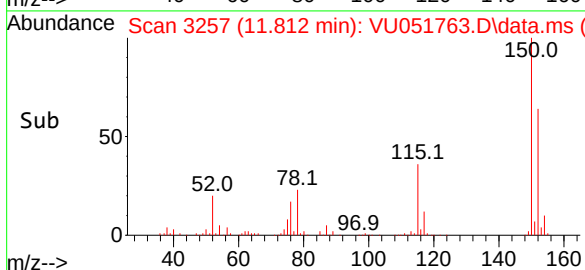
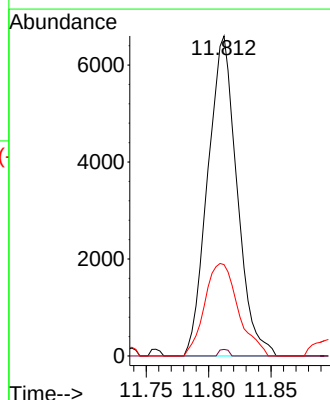
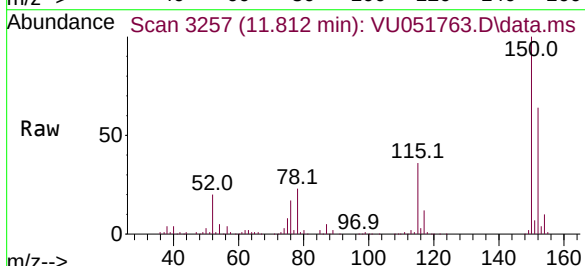
Tgt Ion: 75 Resp: 10768

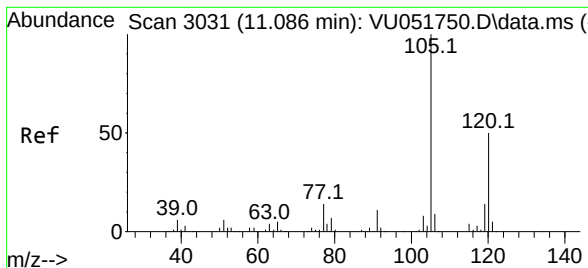
Ion Ratio Lower Upper

75 100

110 0.7 28.7 43.1#

77 33.1 26.1 39.1





#62

1,3,5-Trimethylbenzene

Concen: 0.135 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU051763.D

Acq: 04 Nov 2022 16:26

Instrument :

MSVOA_U

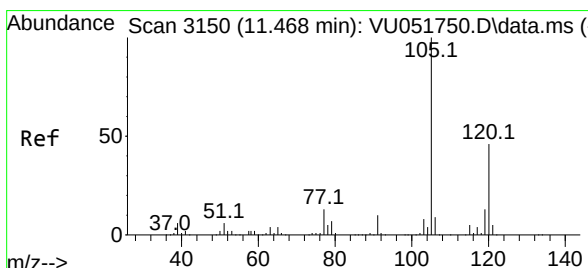
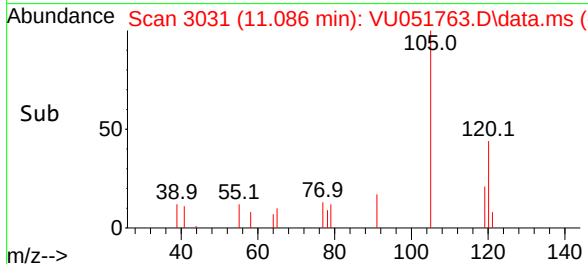
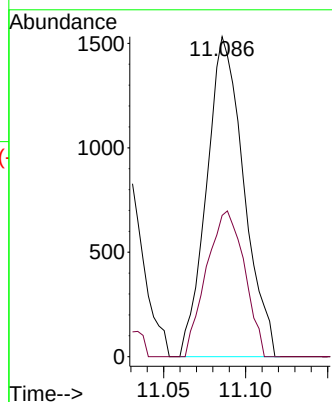
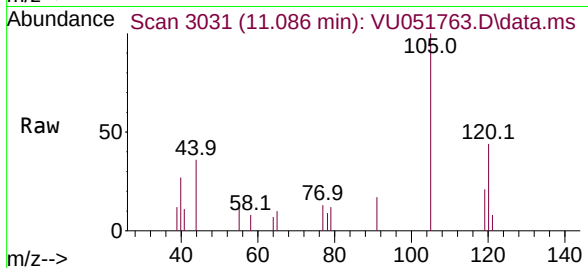
ClientSampleId :

Tgt Ion:105 Resp: 2414

Ion Ratio Lower Upper

105 100

120 46.5 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 0.156 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU051763.D

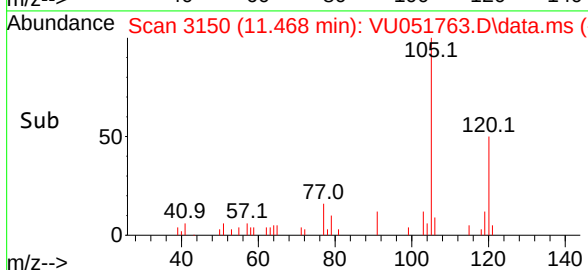
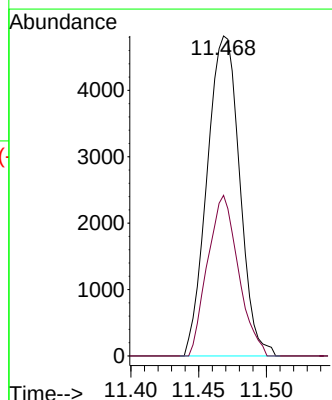
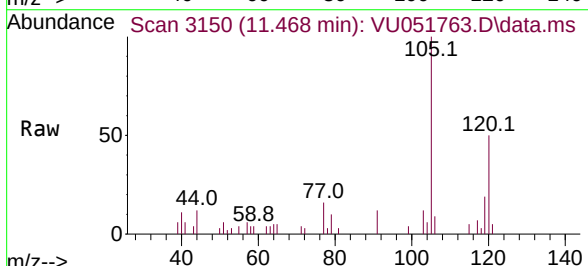
Acq: 04 Nov 2022 16:26

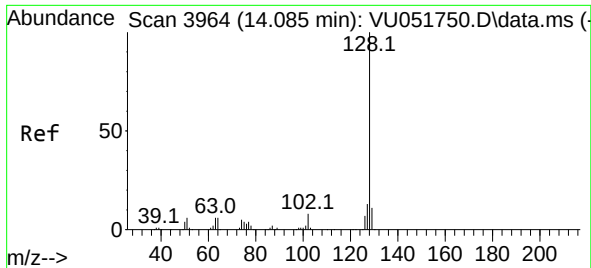
Tgt Ion:105 Resp: 8045

Ion Ratio Lower Upper

105 100

120 47.4 35.8 53.6





#71

Naphthalene

Concen: 0.158 ug/L

RT: 14.089 min Scan# 3965

Delta R.T. 0.003 min

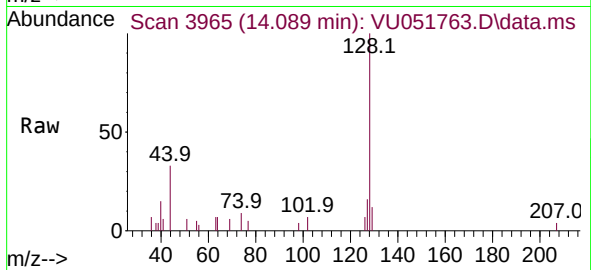
Lab File: VU051763.D

Acq: 04 Nov 2022 16:26

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	128	Resp:	5360
Ion	Ratio	Lower	Upper
128	100		
129	9.9	8.4	12.6
127	11.6	10.3	15.5

