

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071822\
 Data File : VU049765.D
 Acq On : 18 Jul 2022 17:13
 Operator : SY/MD
 Sample : N3698-03ME
 Misc : 6.74g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5B68ME

Quant Time: Jul 19 02:12:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 19 02:09:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	196779	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	191315	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	87783	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	28160	16.961	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	33.920%#
7) Chloroethane-d5	1.867	69	18356	15.295	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	30.580%#
11) 1,1-Dichloroethene-d2	2.523	63	57638	19.653	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	39.300%#
21) 2-Butanone-d5	4.636	46	150883	106.454	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.450%
24) Chloroform-d	5.060	84	111840	38.032	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.060%
26) 1,2-Dichloroethane-d4	5.697	65	83583	41.996	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.000%
32) Benzene-d6	5.719	84	198256	34.111	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.220%#
36) 1,2-Dichloropropane-d6	6.687	67	76811	39.291	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.580%
41) Toluene-d8	7.896	98	159261	31.465	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	62.940%#
43) trans-1,3-Dichloroprop...	8.179	79	30975	37.606	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.220%
47) 2-Hexanone-d5	8.648	63	94365	107.308	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.310%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	136195	49.790	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.580%
66) 1,2-Dichlorobenzene-d4	12.195	152	70090	42.348	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.700%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.597	62	4718	2.017	ug/L	83
10) 1,1,2-Trichloro-1,2,2-...	2.526	101	699	0.461	ug/L #	24
12) 1,1-Dichloroethene	2.526	96	604	0.429	ug/L #	1
14) Carbon disulfide	2.751	76	2268	0.478	ug/L #	91
16) Methylene chloride	3.025	84	2232	1.260	ug/L	78
20) cis-1,2-Dichloroethene	4.652	96	9297	5.375	ug/L	89
29) Cyclohexane	5.369	56	2351	0.787	ug/L #	80
35) Methylcyclohexane	6.754	83	3289	1.204	ug/L #	83
39) cis-1,3-Dichloropropene	7.562	75	2845	1.058	ug/L #	77
64) 1,3-Dichlorobenzene	11.751	146	2100	0.734	ug/L	90
65) 1,4-Dichlorobenzene	11.841	146	3051	1.061	ug/L	91
67) 1,2-Dichlorobenzene	12.217	146	2531	0.851	ug/L #	84
69) 1,3,5-Trichlorobenzene	13.844	180	4382	2.186	ug/L	98
70) 1,2,4-trichlorobenzene	13.844	180	4382	2.382	ug/L	99
71) Naphthalene	14.089	128	27731	4.216	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	5698	2.990	ug/L	95

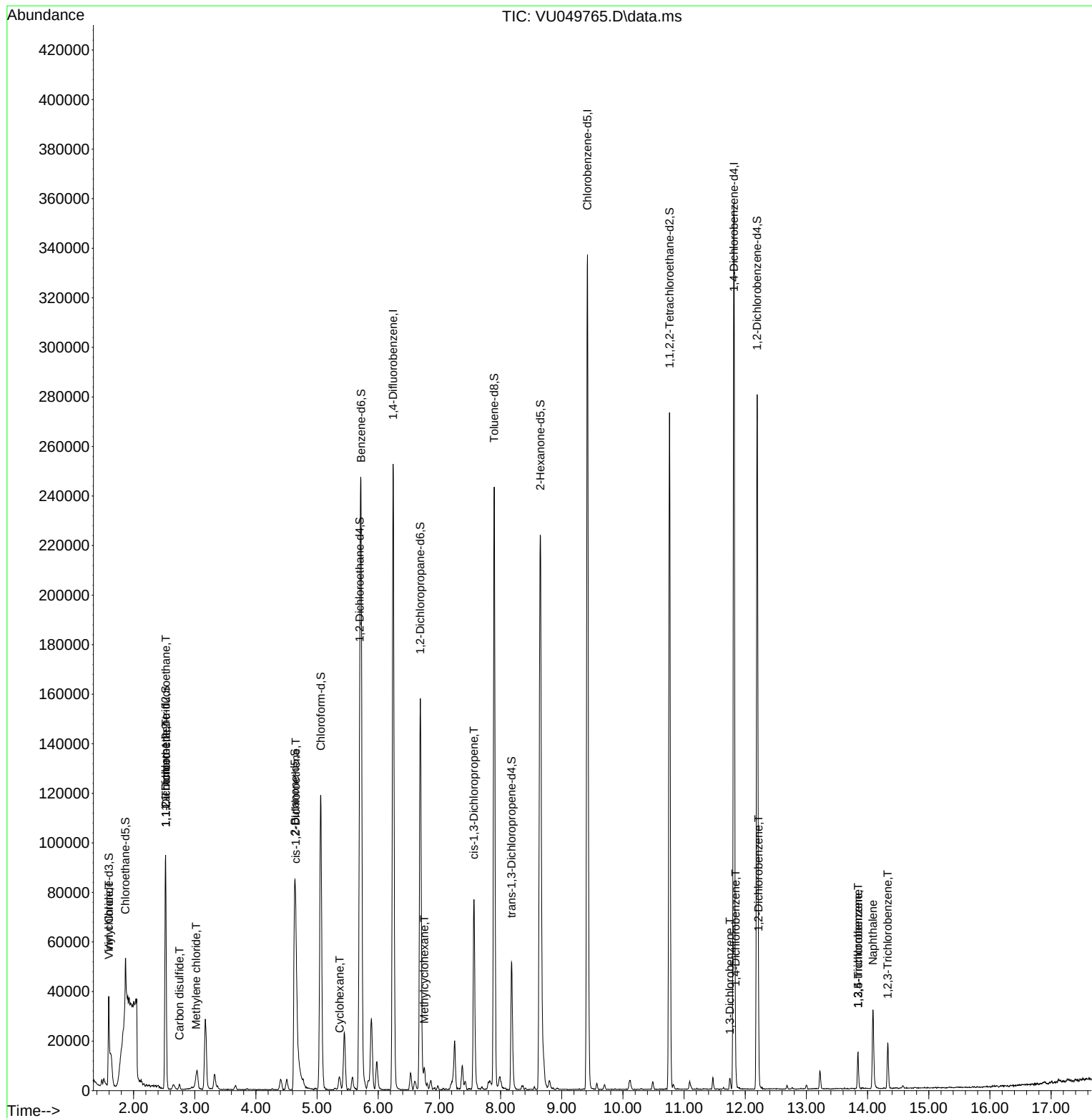
(#) = qualifier out of range (m) = manual integration (+) = signals summed

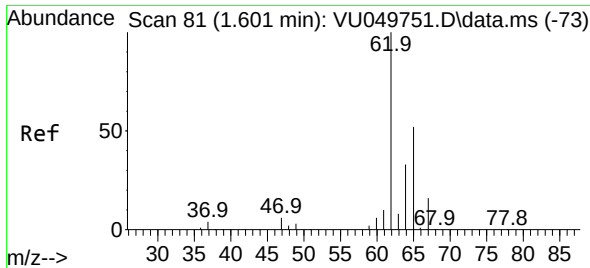
Instrument :
MSVOA_U
ClientSampleId :
F5B68ME

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071822\
Data File : VU049765.D
Acq On : 18 Jul 2022 17:13
Operator : SY/MD
Sample : N3698-03ME
Misc : 6.74g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F5B68ME

Quant Time: Jul 19 02:12:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 19 02:09:49 2022
Response via : Initial Calibration

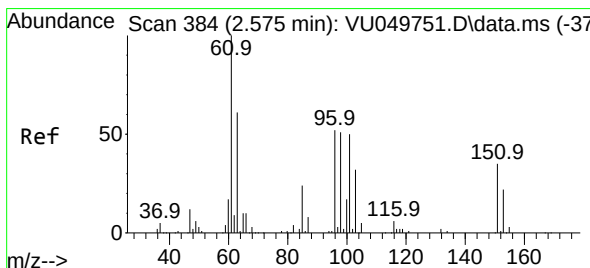
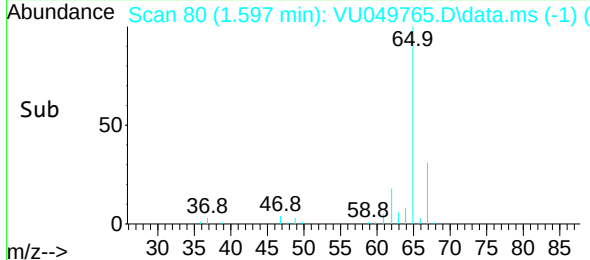
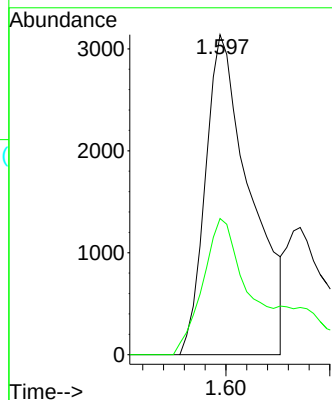
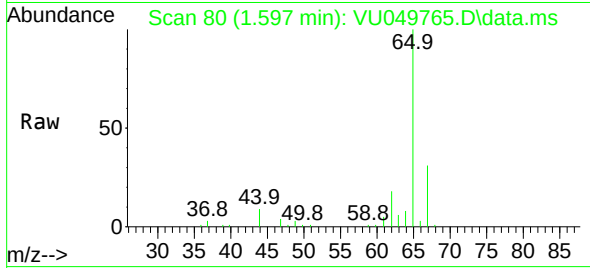




#5
 Vinyl chloride
 Concen: 2.017 ug/L
 RT: 1.597 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VU049765.D
 Acq: 18 Jul 2022 17:13

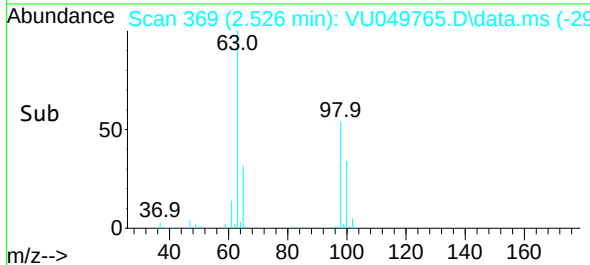
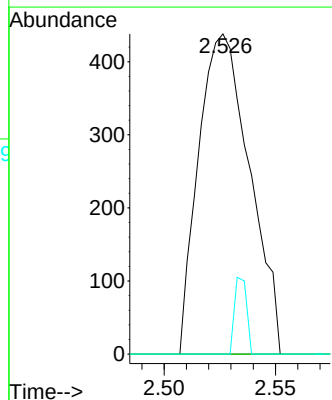
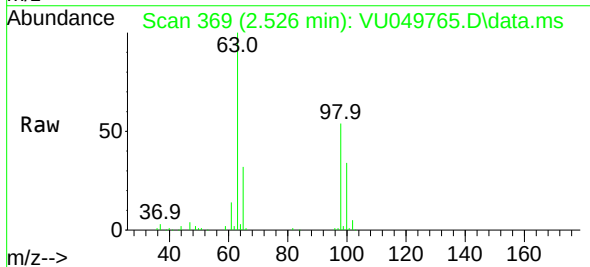
Instrument :
 MSVOA_U
 ClientSampleId :
 F5B68ME

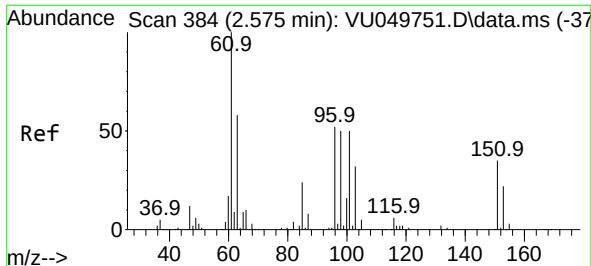
Tgt Ion: 62 Resp: 4718
 Ion Ratio Lower Upper
 62 100
 64 42.6 23.0 42.6



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.461 ug/L
 RT: 2.526 min Scan# 369
 Delta R.T. -0.048 min
 Lab File: VU049765.D
 Acq: 18 Jul 2022 17:13

Tgt Ion: 101 Resp: 699
 Ion Ratio Lower Upper
 101 100
 85 0.0 37.3 55.9#
 151 5.6 56.9 85.3#





#12

1,1-Dichloroethene

Concen: 0.429 ug/L

RT: 2.526 min Scan# 30

Delta R.T. -0.048 min

Lab File: VU049765.D

Acq: 18 Jul 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

F5B68ME

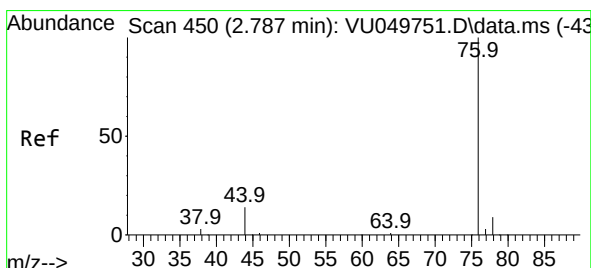
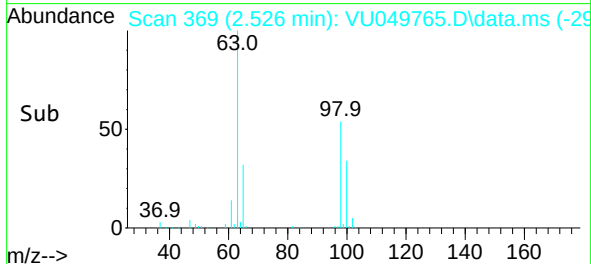
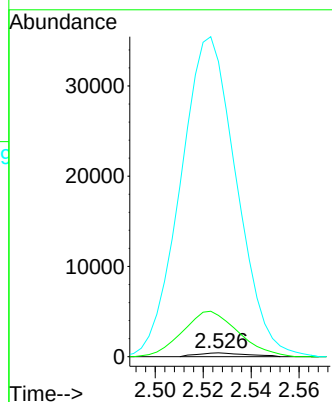
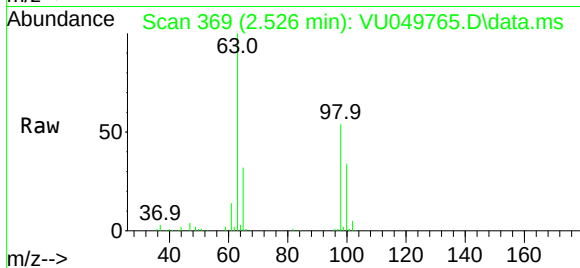
Tgt Ion: 96 Resp: 604

Ion Ratio Lower Upper

96 100

61 1082.7 129.6 240.6#

63 7733.3 79.0 146.6#



#14

Carbon disulfide

Concen: 0.478 ug/L

RT: 2.751 min Scan# 439

Delta R.T. -0.036 min

Lab File: VU049765.D

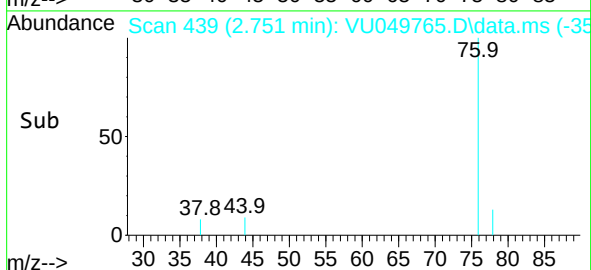
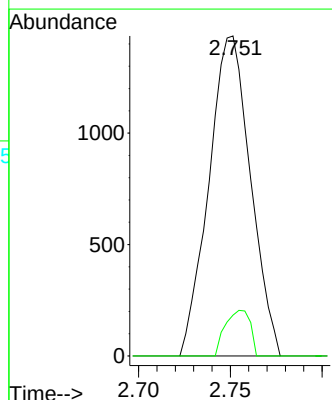
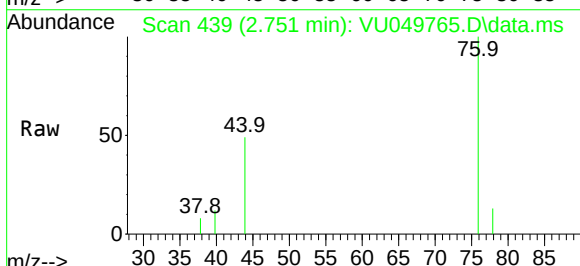
Acq: 18 Jul 2022 17:13

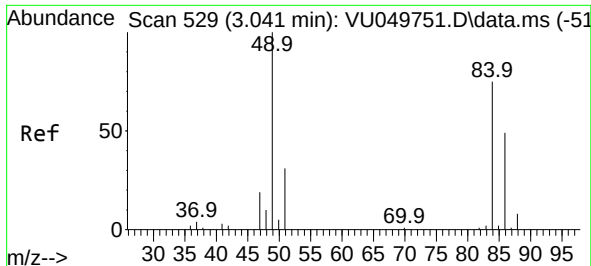
Tgt Ion: 76 Resp: 2268

Ion Ratio Lower Upper

76 100

78 12.7 7.6 11.4#

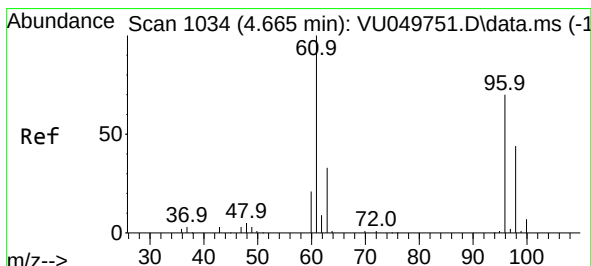
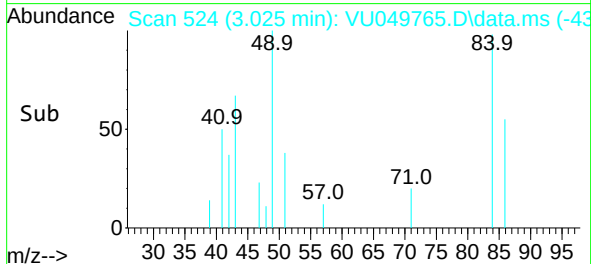
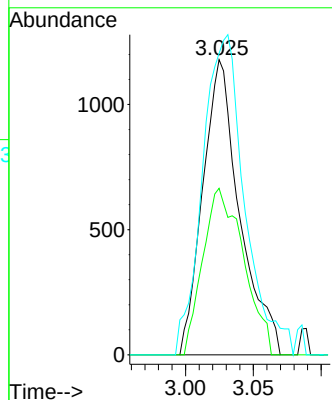
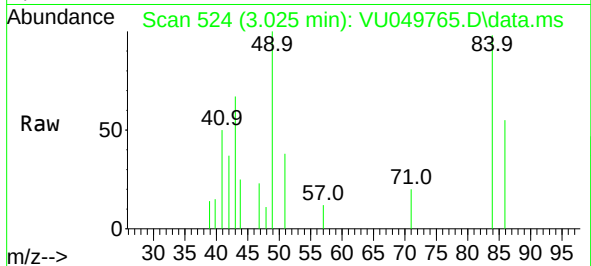




#16
Methylene chloride
Concen: 1.260 ug/L
RT: 3.025 min Scan# 51
Delta R.T. -0.016 min
Lab File: VU049765.D
Acq: 18 Jul 2022 17:13

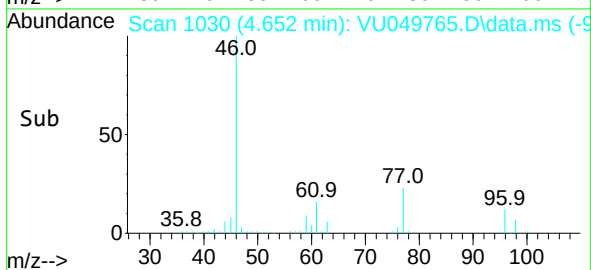
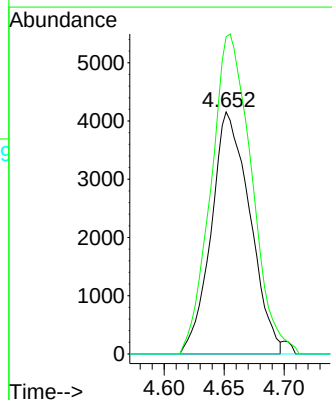
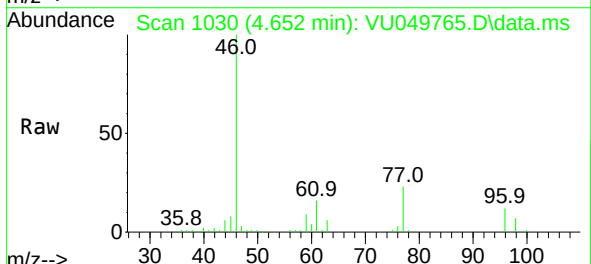
Instrument :
MSVOA_U
ClientSampleId :
F5B68ME

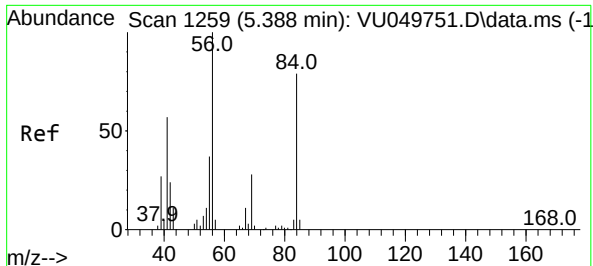
Tgt Ion: 84 Resp: 2232
Ion Ratio Lower Upper
84 100
86 56.4 45.6 84.6
49 102.1 94.4 175.4



#20
cis-1,2-Dichloroethene
Concen: 5.375 ug/L
RT: 4.652 min Scan# 1030
Delta R.T. -0.013 min
Lab File: VU049765.D
Acq: 18 Jul 2022 17:13

Tgt Ion: 96 Resp: 9297
Ion Ratio Lower Upper
96 100
61 131.0 101.1 187.7
68 0.0 0.0 0.0





#29

Cyclohexane

Concen: 0.787 ug/L

RT: 5.369 min Scan# 11

Delta R.T. -0.019 min

Lab File: VU049765.D

Acq: 18 Jul 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

F5B68ME

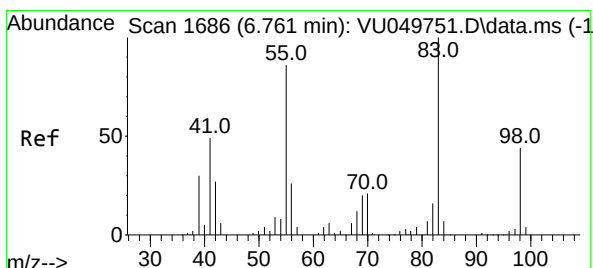
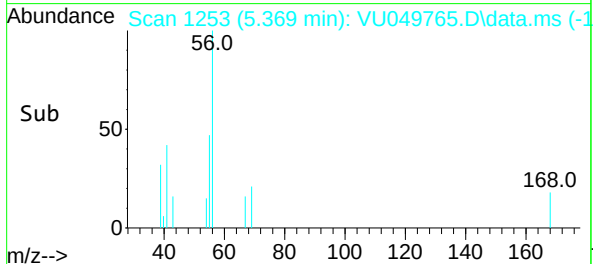
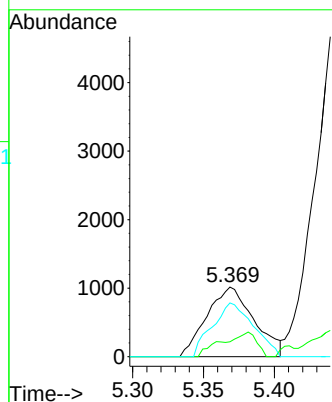
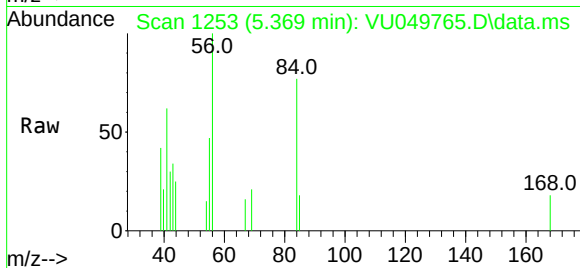
Tgt Ion: 56 Resp: 2351

Ion Ratio Lower Upper

56 100

69 8.6 23.4 35.2#

84 67.3 63.1 94.7



#35

Methylcyclohexane

Concen: 1.204 ug/L

RT: 6.754 min Scan# 1684

Delta R.T. -0.007 min

Lab File: VU049765.D

Acq: 18 Jul 2022 17:13

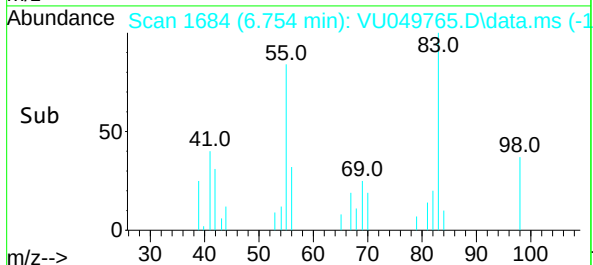
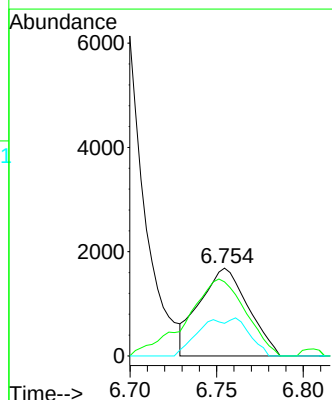
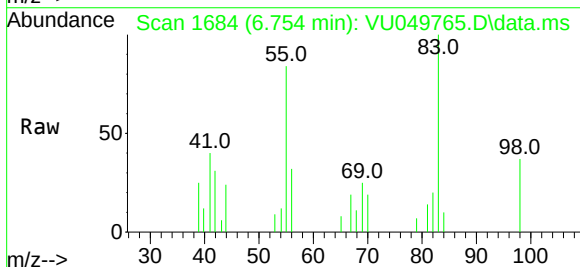
Tgt Ion: 83 Resp: 3289

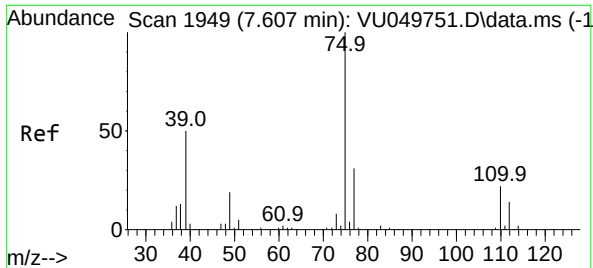
Ion Ratio Lower Upper

83 100

55 92.4 66.0 99.0

98 24.9 34.6 51.8#





#39

cis-1,3-Dichloropropene

Concen: 1.058 ug/L

RT: 7.562 min Scan# 1949

Delta R.T. -0.045 min

Lab File: VU049765.D

Acq: 18 Jul 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

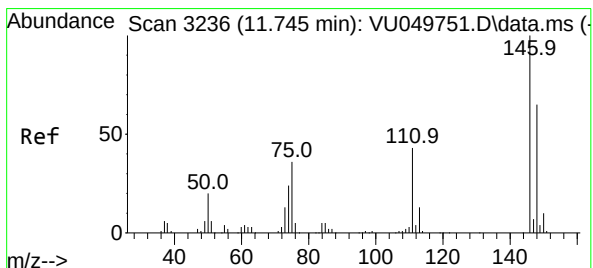
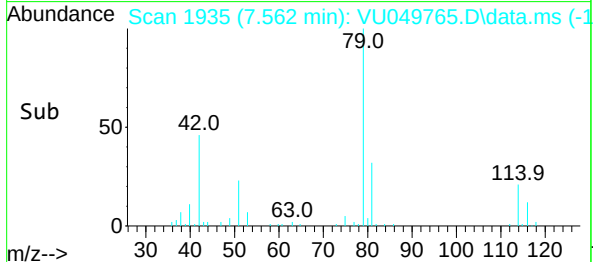
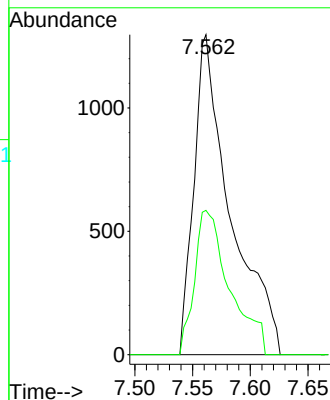
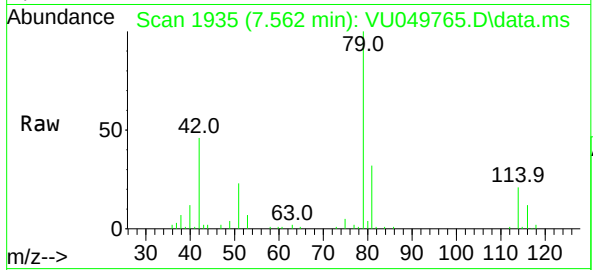
F5B68ME

Tgt Ion: 75 Resp: 2845

Ion Ratio Lower Upper

75 100

77 45.1 22.6 42.0#



#64

1,3-Dichlorobenzene

Concen: 0.734 ug/L

RT: 11.751 min Scan# 3238

Delta R.T. 0.006 min

Lab File: VU049765.D

Acq: 18 Jul 2022 17:13

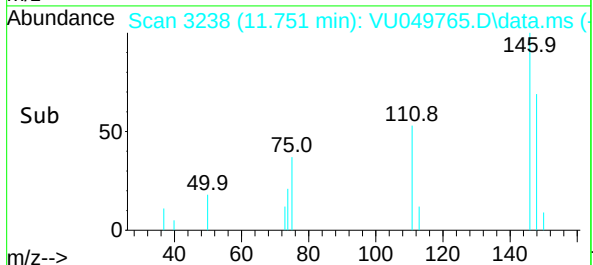
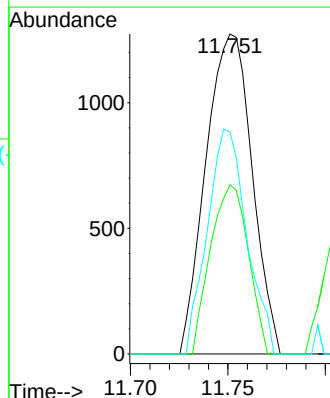
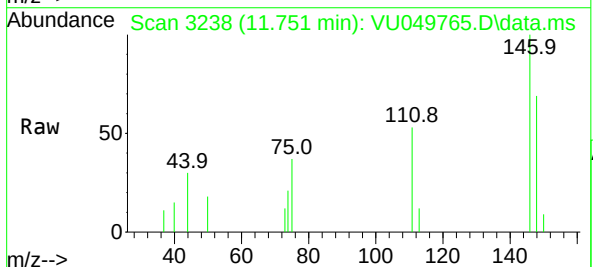
Tgt Ion:146 Resp: 2100

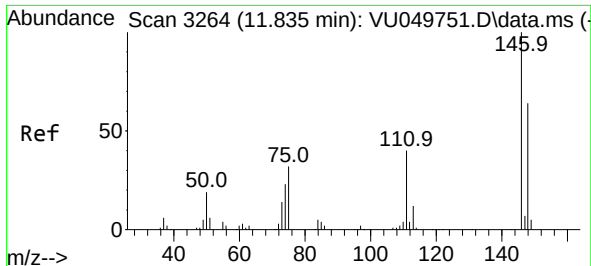
Ion Ratio Lower Upper

146 100

111 52.9 30.0 55.6

148 69.4 45.1 83.9

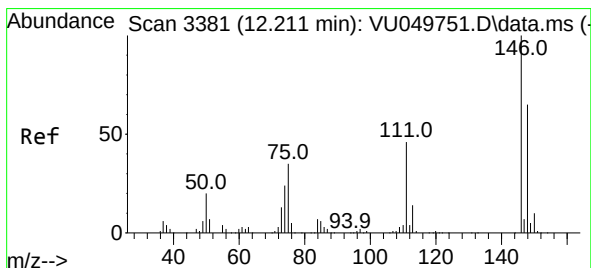
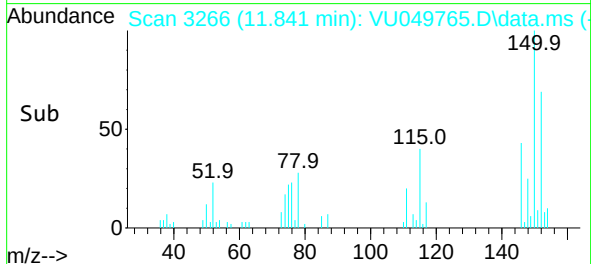
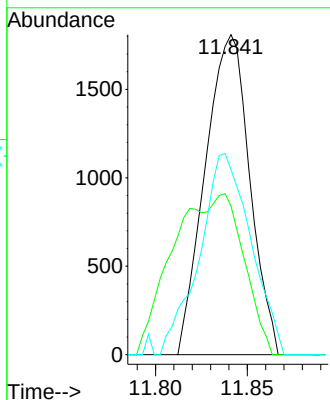
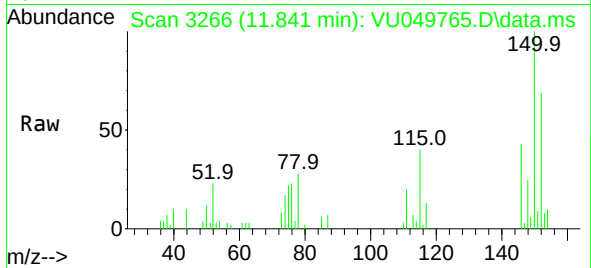




#65
1,4-Dichlorobenzene
Concen: 1.061 ug/L
RT: 11.841 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU049765.D
Acq: 18 Jul 2022 17:13

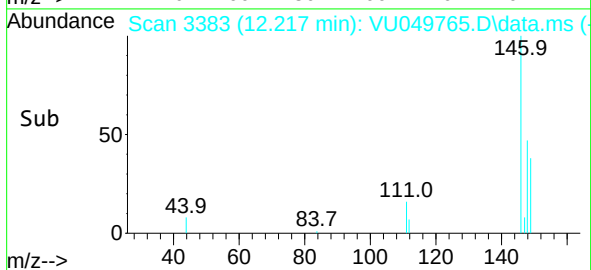
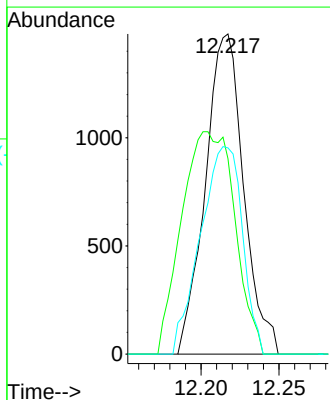
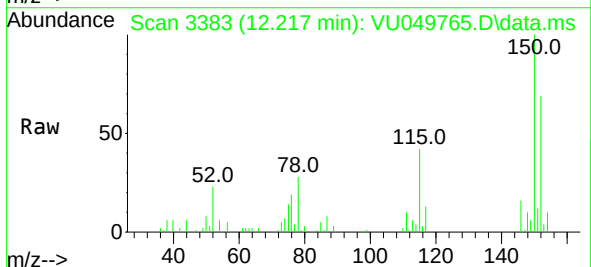
Instrument :
MSVOA_U
ClientSampleId :
F5B68ME

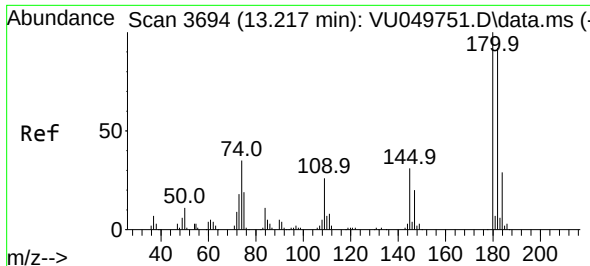
Tgt Ion:146 Resp: 3051
Ion Ratio Lower Upper
146 100
111 46.4 29.1 54.1
148 70.9 44.4 82.4



#67
1,2-Dichlorobenzene
Concen: 0.851 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. 0.006 min
Lab File: VU049765.D
Acq: 18 Jul 2022 17:13

Tgt Ion:146 Resp: 2531
Ion Ratio Lower Upper
146 100
111 68.2 35.8 53.8#
148 64.4 52.7 79.1

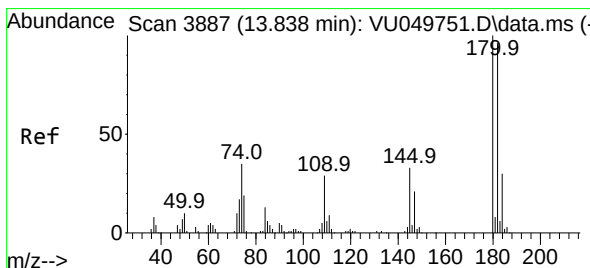
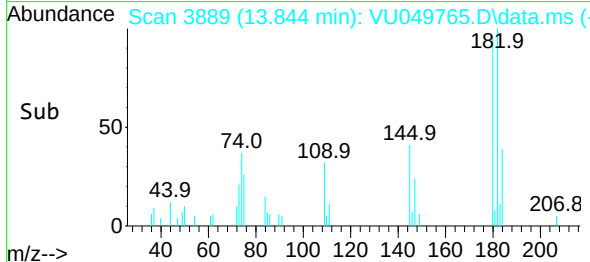
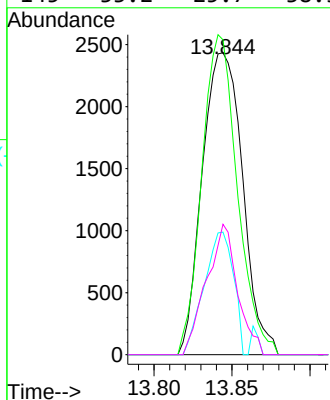
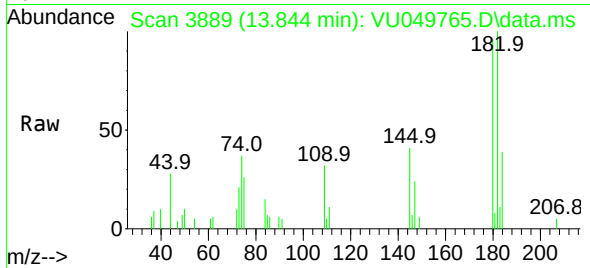




#69
 1,3,5-Trichlorobenzene
 Concen: 2.186 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.627 min
 Lab File: VU049765.D
 Acq: 18 Jul 2022 17:13

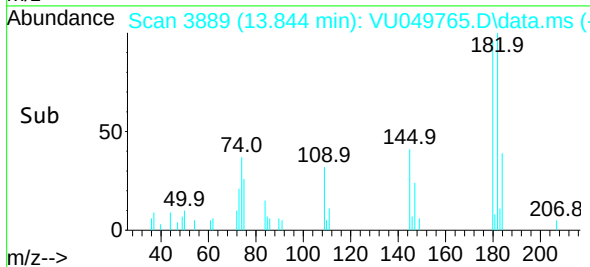
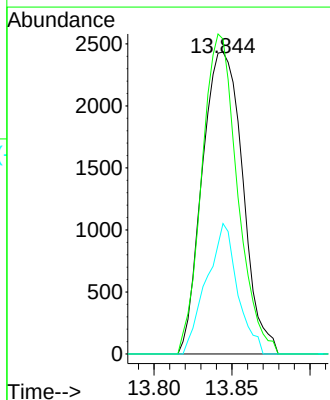
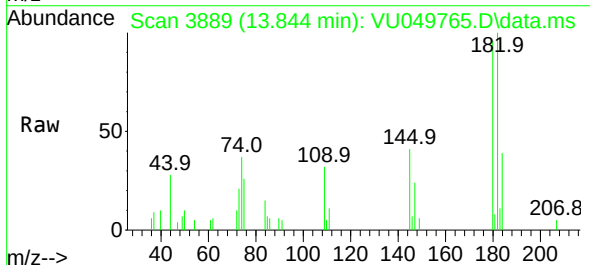
Instrument :
 MSVOA_U
 ClientSampleId :
 F5B68ME

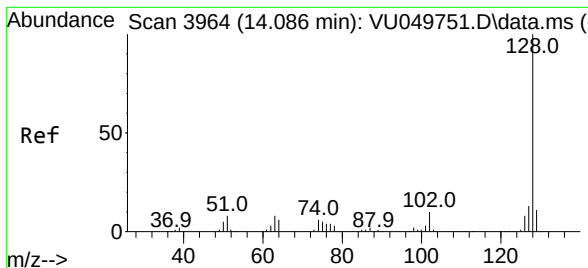
Tgt Ion:	180	Resp:	4382
Ion Ratio	Lower	Upper	
180	100		
182	93.1	76.0	114.0
184	29.5	24.0	36.0
145	33.2	25.7	38.5



#70
 1,2,4-trichlorobenzene
 Concen: 2.382 ug/L
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.006 min
 Lab File: VU049765.D
 Acq: 18 Jul 2022 17:13

Tgt Ion:	180	Resp:	4382
Ion Ratio	Lower	Upper	
180	100		
182	93.1	74.8	112.2
145	33.2	24.7	37.1





#71

Naphthalene

Concen: 4.216 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU049765.D

Acq: 18 Jul 2022 17:13

Instrument :

MSVOA_U

ClientSampleId :

F5B68ME

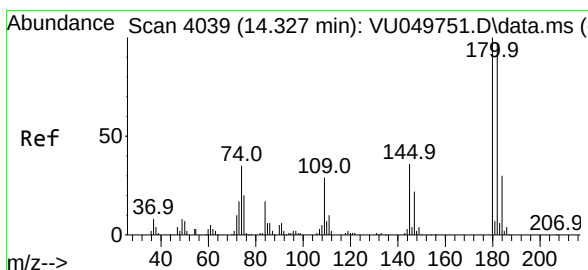
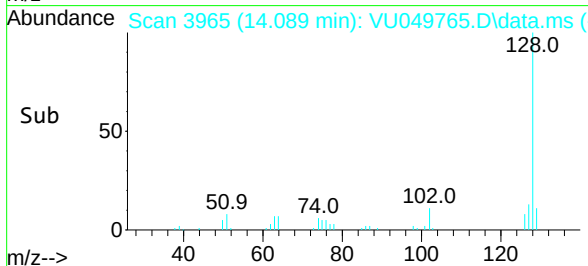
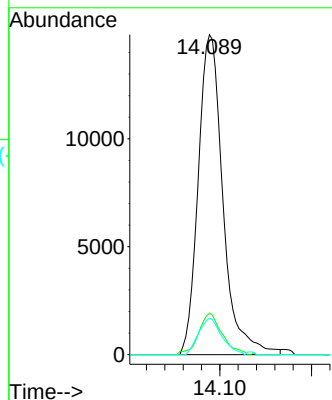
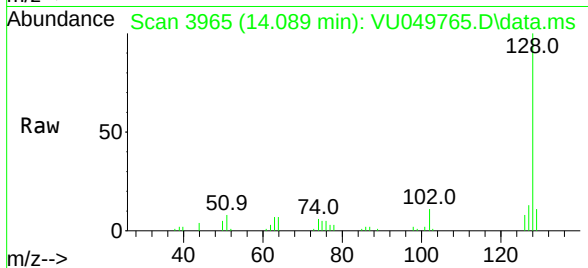
Tgt Ion:128 Resp: 27731

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

129 10.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 2.990 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.003 min

Lab File: VU049765.D

Acq: 18 Jul 2022 17:13

Tgt Ion:180 Resp: 5698

Ion Ratio Lower Upper

180 100

182 102.4 76.6 115.0

145 34.6 27.1 40.7

