

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090622\
 Data File : VU050642.D
 Acq On : 06 Sep 2022 18:31
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 07 01:41:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 07 01:37:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	207398	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	204141	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	82119	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	50232	28.317	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	56.640%#
7) Chloroethane-d5	1.903	69	46206	38.519	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.040%
11) 1,1-Dichloroethene-d2	2.562	63	82148	26.206	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.420%#
21) 2-Butanone-d5	4.620	46	123608	95.242	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.240%
24) Chloroform-d	5.064	84	162898	48.452	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.900%
26) 1,2-Dichloroethane-d4	5.700	65	112191	54.608	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.220%
32) Benzene-d6	5.726	84	305736	45.319	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.640%
36) 1,2-Dichloropropane-d6	6.691	67	106856	48.244	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.480%
41) Toluene-d8	7.900	98	255435	44.277	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.560%
43) trans-1,3-Dichloroprop...	8.179	79	46050	50.249	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.500%
47) 2-Hexanone-d5	8.633	63	50338	90.352	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.350%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	169733	50.640	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.280%
66) 1,2-Dichlorobenzene-d4	12.192	152	93351	48.561	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.120%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	897	0.553	ug/L #	32
12) 1,1-Dichloroethene	2.569	96	1048	0.665	ug/L #	1
13) Acetone	2.627	43	10281	10.501	ug/L	98
14) Carbon disulfide	2.791	76	3455	0.740	ug/L #	94
22) 2-Butanone	4.713	43	3434	2.243	ug/L	95
40) 4-Methyl-2-pentanone	7.794	43	3720	1.391	ug/L #	93
44) trans-1,3-Dichloropropene	8.176	75	2157	0.866	ug/L #	73
48) 2-Hexanone	8.684	43	52467	21.023	ug/L #	93
63) 1,2,4-Trimethylbenzene	11.472	105	4935	0.925	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	4118	1.440	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	5340	1.889	ug/L	93
67) 1,2-Dichlorobenzene	12.211	146	5131	1.684	ug/L #	89
69) 1,3,5-Trichlorobenzene	13.842	180	9057	4.364	ug/L	98
70) 1,2,4-trichlorobenzene	13.842	180	9057	5.139	ug/L	96
71) Naphthalene	14.089	128	46826	7.494	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	11565	6.059	ug/L	98

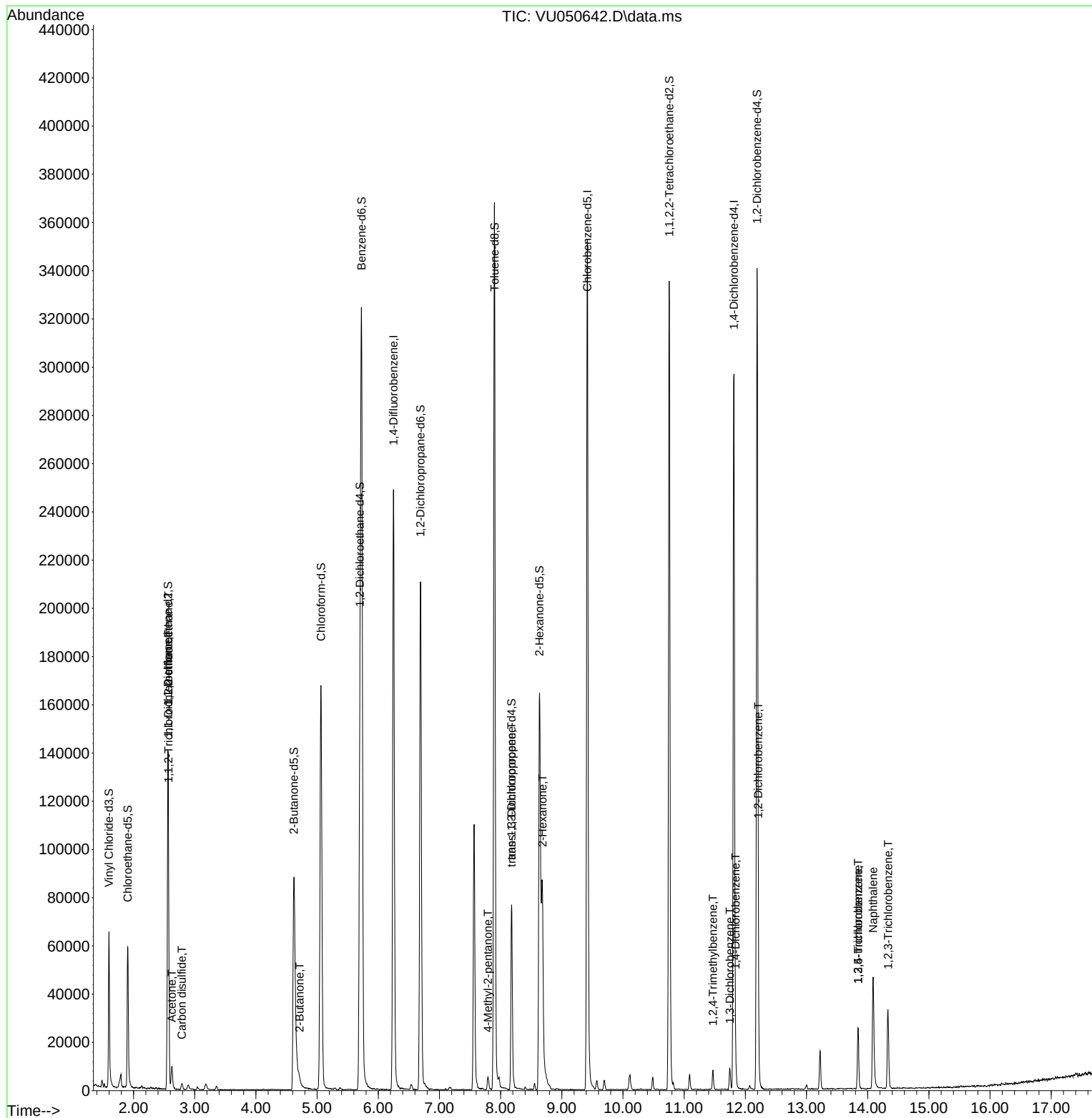
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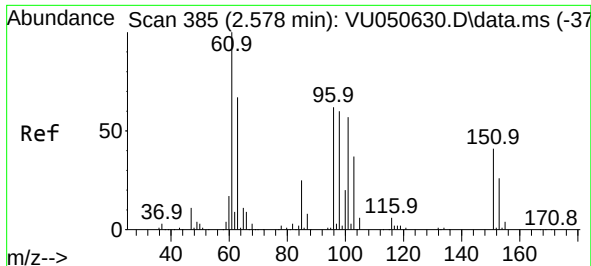
Instrument :
MSVOA_U
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090622\
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QLast Update : Wed Sep 07 01:37:50 2022
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#10

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

Concen: 0.553 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.006 min

Lab File: VU050642.D

Acq: 06 Sep 2022 18:31

Instrument :

MSVOA_U

ClientSampleId :

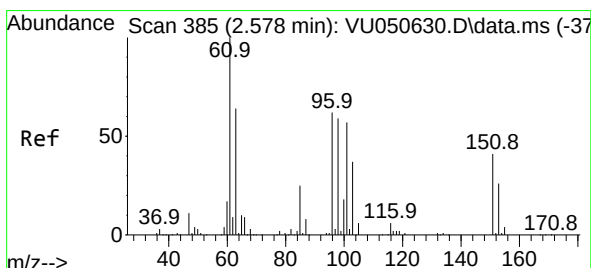
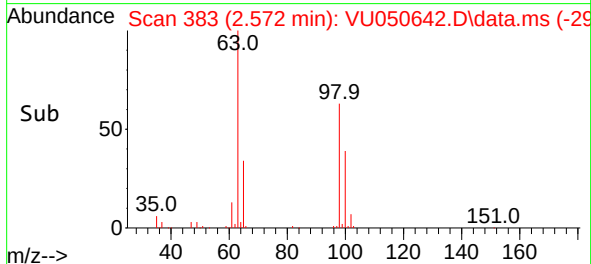
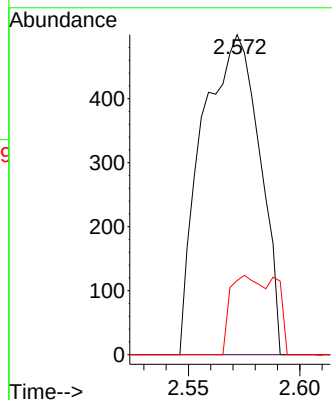
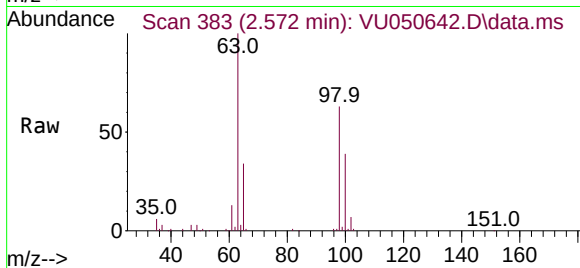
Tgt Ion:101 Resp: 897

Ion Ratio Lower Upper

101 100

85 0.0 34.4 51.6#

151 14.5 57.7 86.5#



#12

1,1-Dichloroethene

Concen: 0.665 ug/L

RT: 2.569 min Scan# 382

Delta R.T. -0.009 min

Lab File: VU050642.D

Acq: 06 Sep 2022 18:31

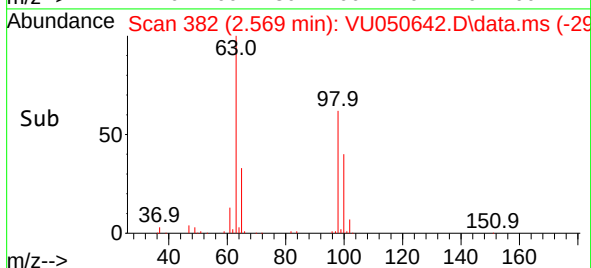
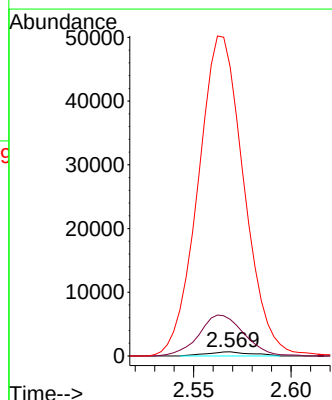
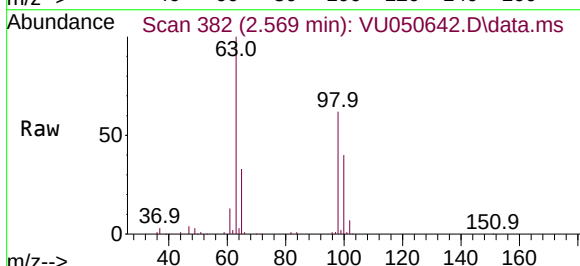
Tgt Ion: 96 Resp: 1048

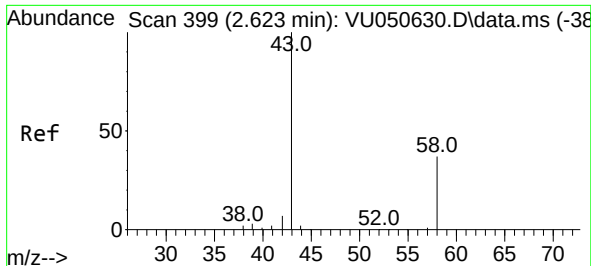
Ion Ratio Lower Upper

96 100

61 877.0 118.0 219.1#

63 6920.7 79.5 147.7#





#13

Acetone

Concen: 10.501 ug/L

RT: 2.627 min Scan# 400

Delta R.T. 0.004 min

Lab File: VU050642.D

Acq: 06 Sep 2022 18:31

Instrument :

MSVOA_U

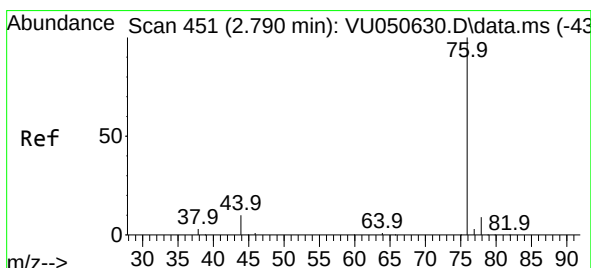
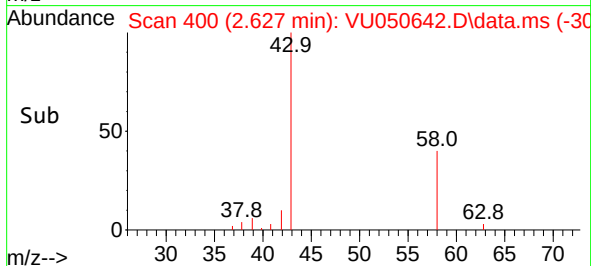
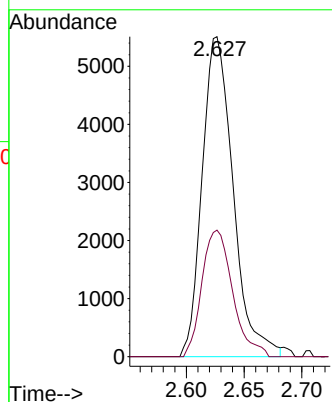
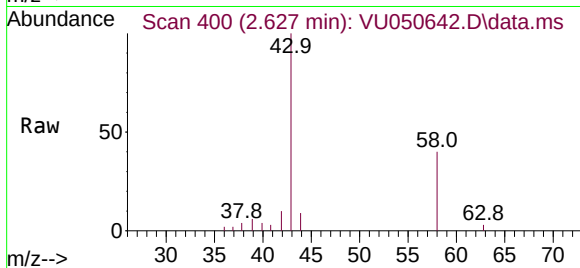
ClientSampleId :

Tgt Ion: 43 Resp: 10281

Ion Ratio Lower Upper

43 100

58 39.2 0.0 76.2



#14

Carbon disulfide

Concen: 0.740 ug/L

RT: 2.791 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU050642.D

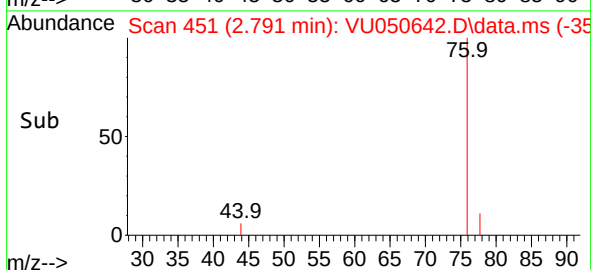
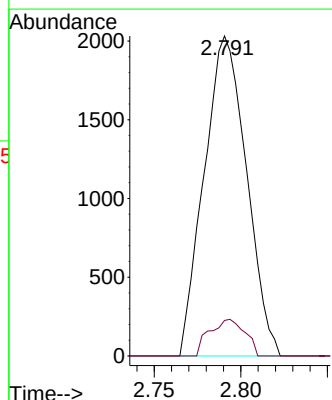
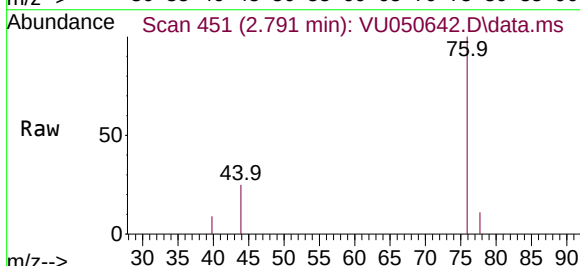
Acq: 06 Sep 2022 18:31

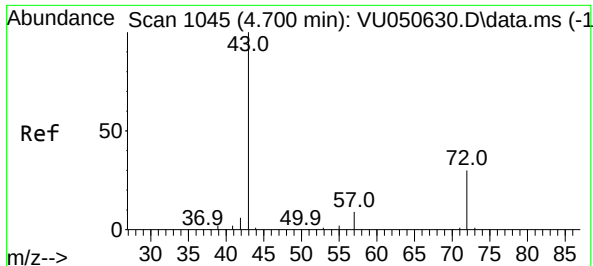
Tgt Ion: 76 Resp: 3455

Ion Ratio Lower Upper

76 100

78 11.1 7.3 10.9#





#22

2-Butanone

Concen: 2.243 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. 0.013 min

Lab File: VU050642.D

Acq: 06 Sep 2022 18:31

Instrument :

MSVOA_U

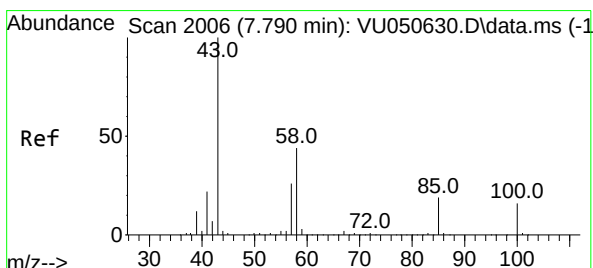
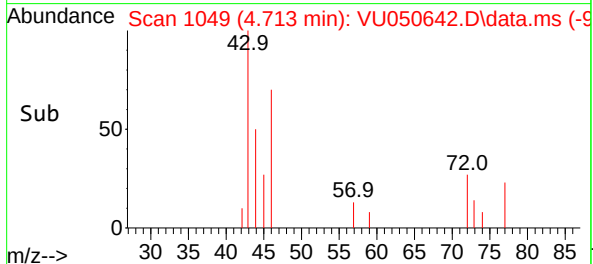
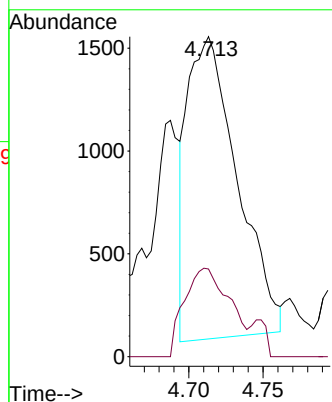
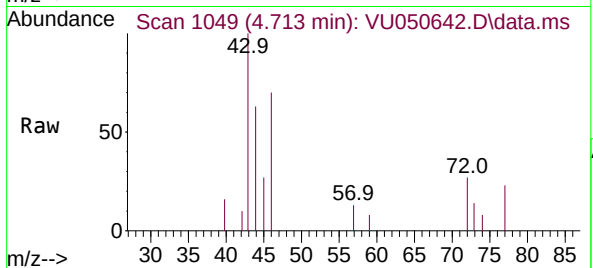
ClientSampleId :

Tgt Ion: 43 Resp: 3434

Ion Ratio Lower Upper

43 100

72 26.7 14.6 44.0



#40

4-Methyl-2-pentanone

Concen: 1.391 ug/L

RT: 7.794 min Scan# 2007

Delta R.T. 0.004 min

Lab File: VU050642.D

Acq: 06 Sep 2022 18:31

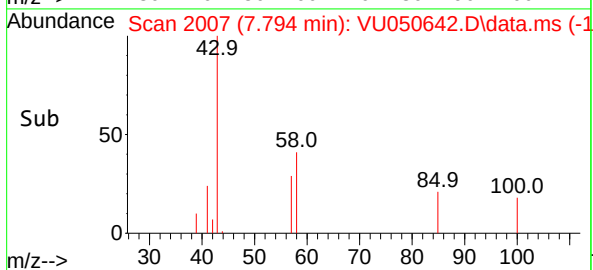
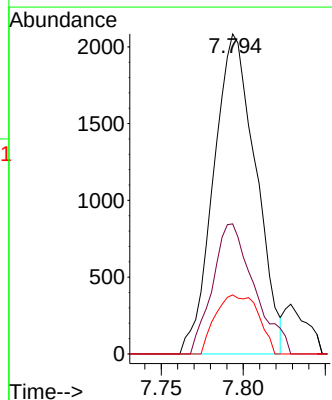
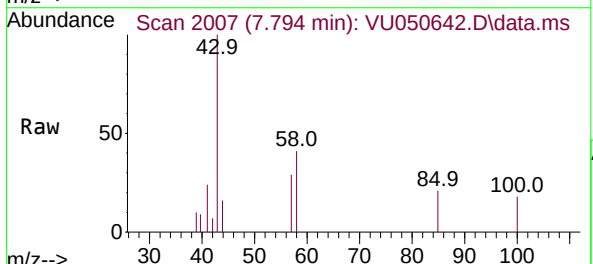
Tgt Ion: 43 Resp: 3720

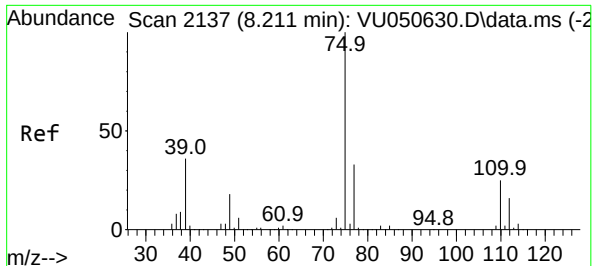
Ion Ratio Lower Upper

43 100

58 40.1 35.1 52.7

100 12.4 12.9 19.3

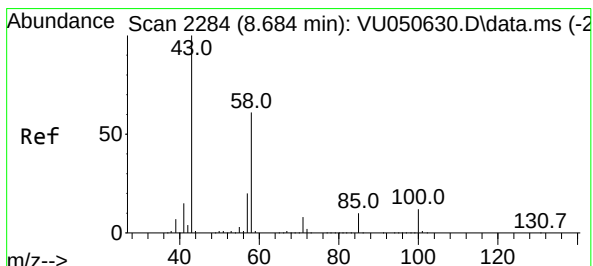
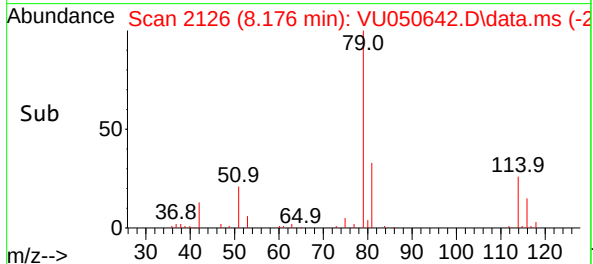
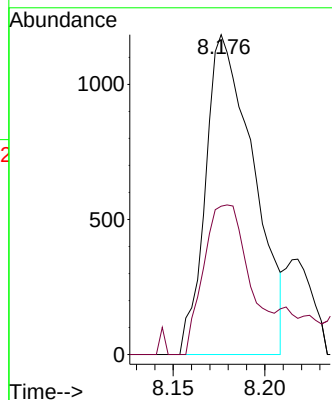
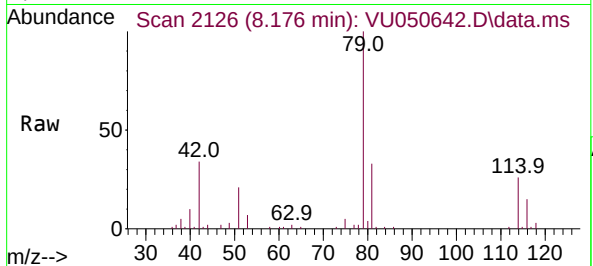




#44
trans-1,3-Dichloropropene
Concen: 0.866 ug/L
RT: 8.176 min Scan# 2137
Delta R.T. -0.035 min
Lab File: VU050642.D
Acq: 06 Sep 2022 18:31

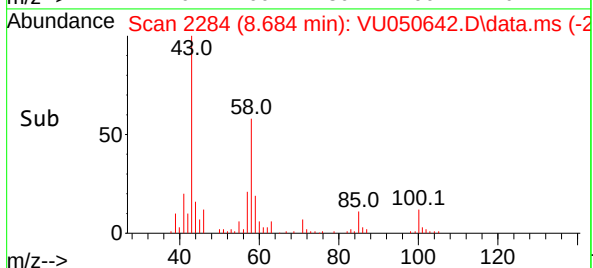
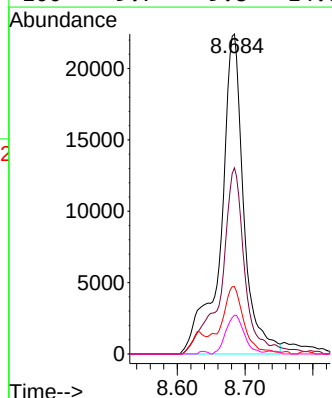
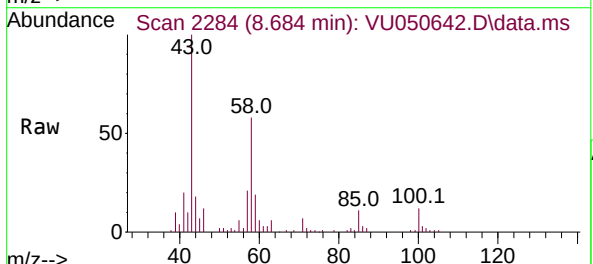
Instrument :
MSVOA_U
ClientSampleId :

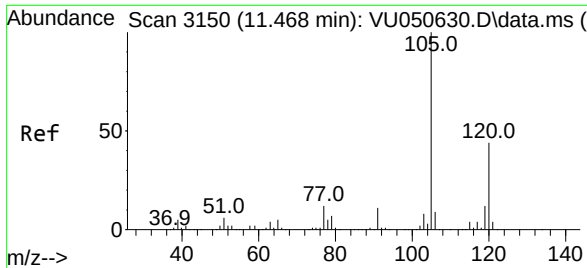
Tgt Ion: 75 Resp: 2157
Ion Ratio Lower Upper
75 100
77 46.4 22.1 41.1#



#48
2-Hexanone
Concen: 21.023 ug/L
RT: 8.684 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VU050642.D
Acq: 06 Sep 2022 18:31

Tgt Ion: 43 Resp: 52467
Ion Ratio Lower Upper
43 100
58 58.3 51.8 77.6
57 18.5 17.0 25.4
100 9.7 9.8 14.8#

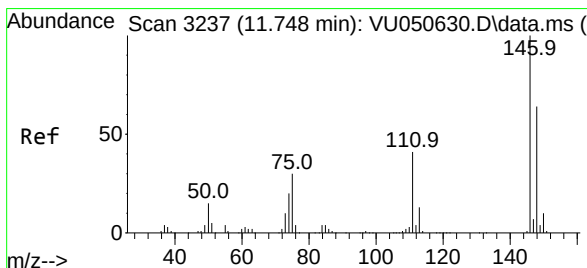
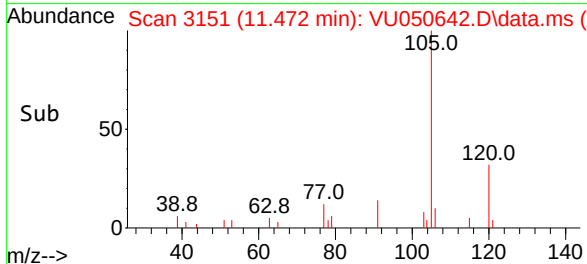
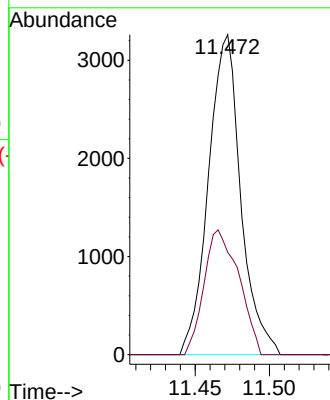
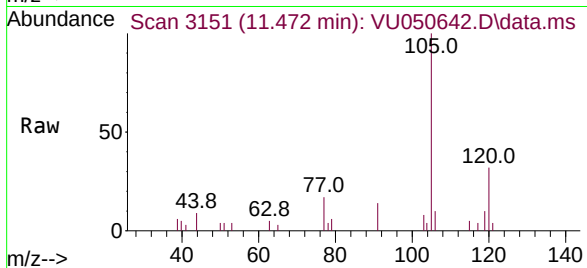




#63
1,2,4-Trimethylbenzene
Concen: 0.925 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. 0.004 min
Lab File: VU050642.D
Acq: 06 Sep 2022 18:31

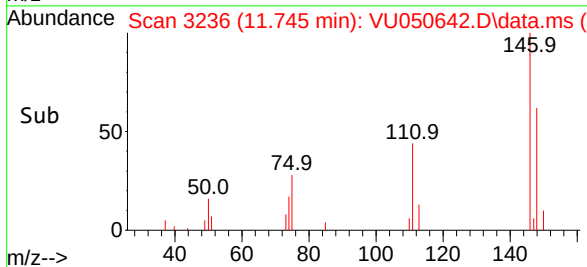
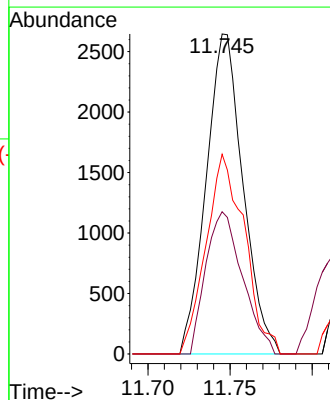
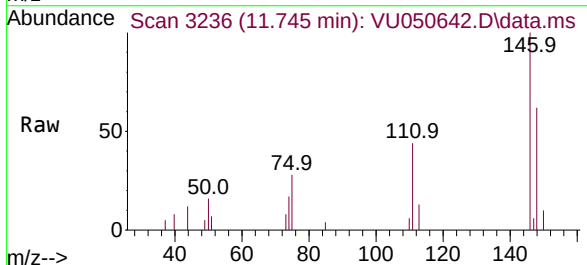
Instrument :
MSVOA_U
ClientSampleId :

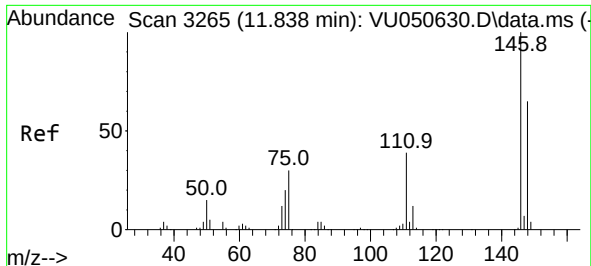
Tgt Ion:105 Resp: 4935
Ion Ratio Lower Upper
105 100
120 42.0 35.3 52.9



#64
1,3-Dichlorobenzene
Concen: 1.440 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. -0.003 min
Lab File: VU050642.D
Acq: 06 Sep 2022 18:31

Tgt Ion:146 Resp: 4118
Ion Ratio Lower Upper
146 100
111 44.5 29.9 55.5
148 62.4 45.5 84.5

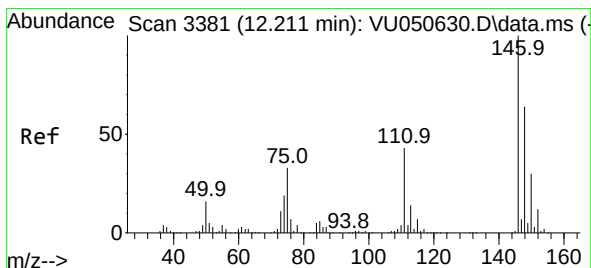
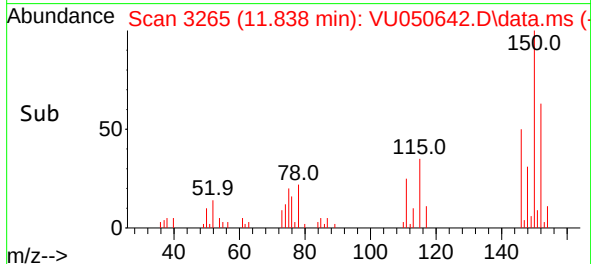
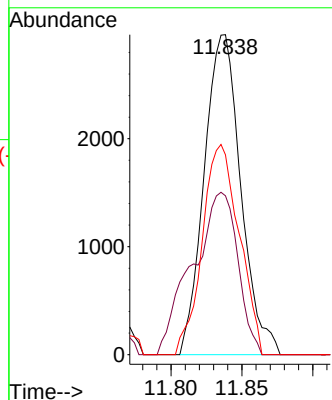
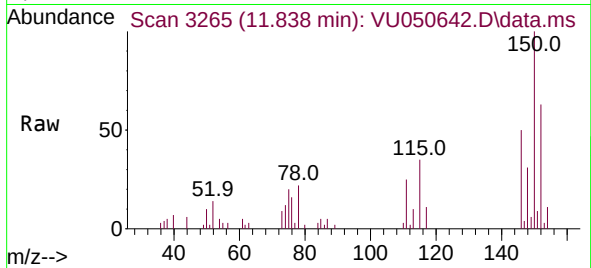




#65
1,4-Dichlorobenzene
Concen: 1.889 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU050642.D
Acq: 06 Sep 2022 18:31

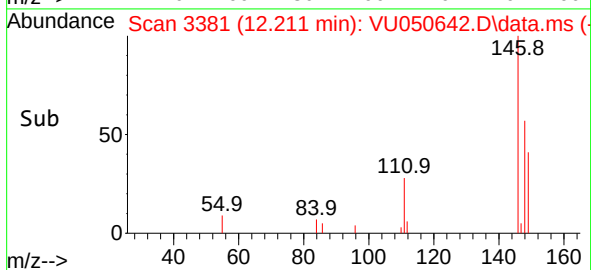
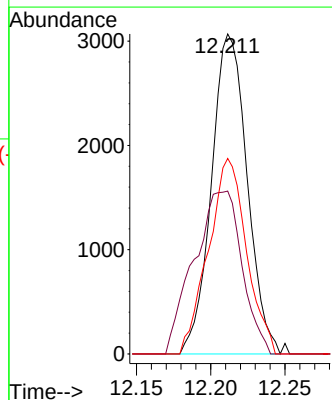
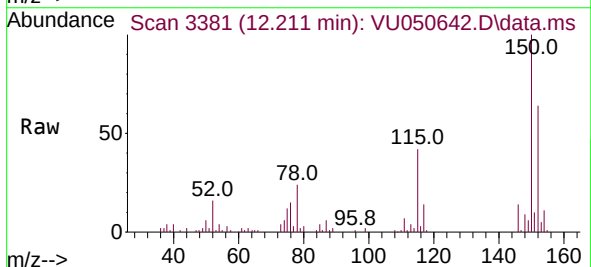
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MSVOA_U
ClientSampleId :

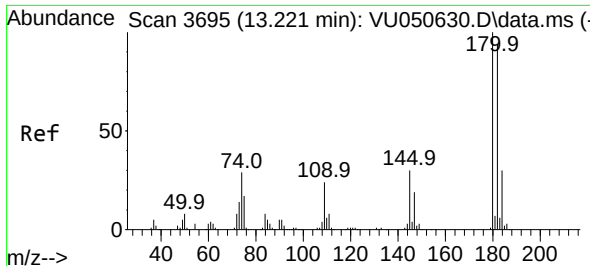
Tgt Ion:146 Resp: 5340
Ion Ratio Lower Upper
146 100
111 49.6 27.9 51.7
148 62.4 44.4 82.4



#67
1,2-Dichlorobenzene
Concen: 1.684 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU050642.D
Acq: 06 Sep 2022 18:31

Tgt Ion:146 Resp: 5131
Ion Ratio Lower Upper
146 100
111 54.0 35.1 52.7#
148 58.4 51.8 77.6





#69

1,3,5-Trichlorobenzene

Concen: 4.364 ug/L

RT: 13.842 min Scan# 3888

Delta R.T. 0.621 min

Lab File: VU050642.D

Acq: 06 Sep 2022 18:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 9057

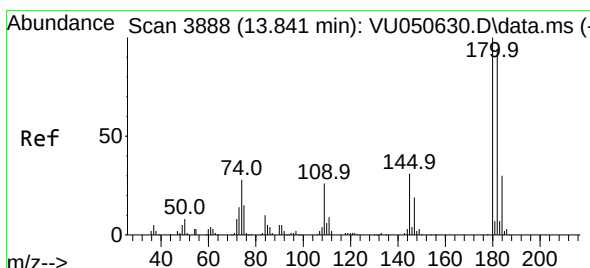
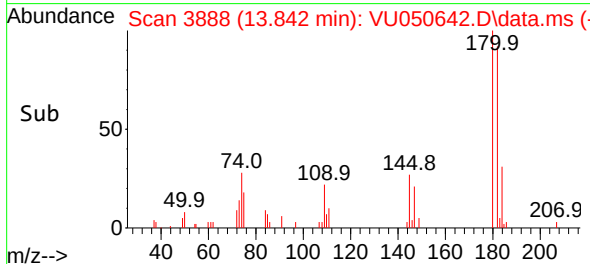
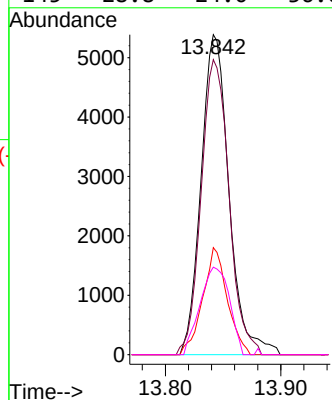
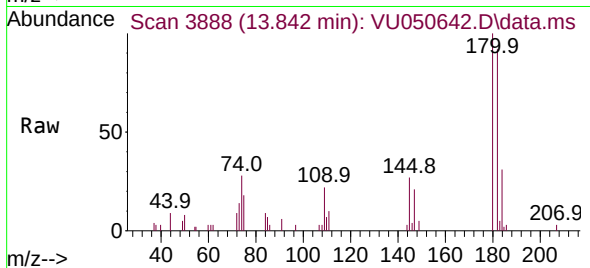
Ion Ratio Lower Upper

180 100

182 91.7 75.3 112.9

184 29.5 23.8 35.8

145 28.8 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 5.139 ug/L

RT: 13.842 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU050642.D

Acq: 06 Sep 2022 18:31

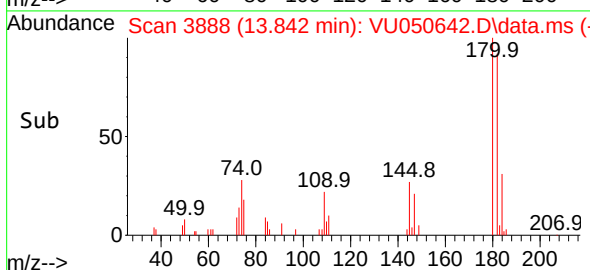
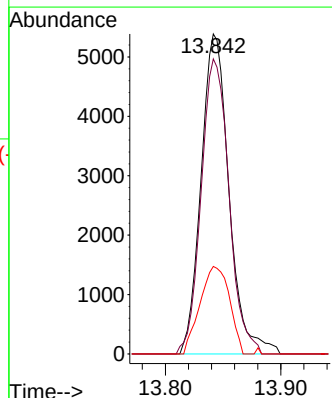
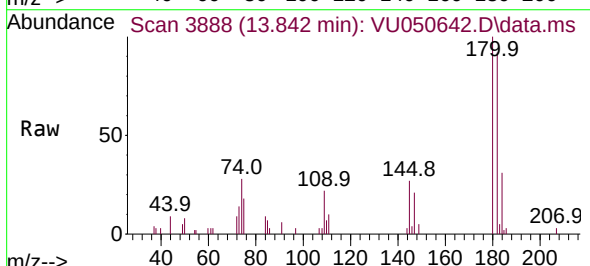
Tgt Ion:180 Resp: 9057

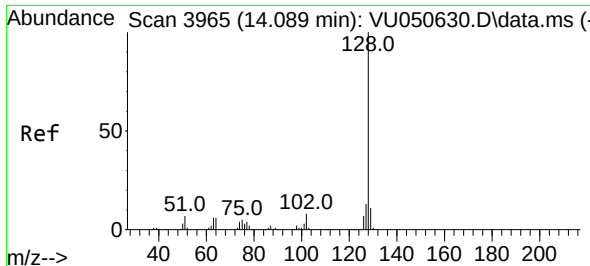
Ion Ratio Lower Upper

180 100

182 91.7 76.2 114.2

145 28.8 24.7 37.1

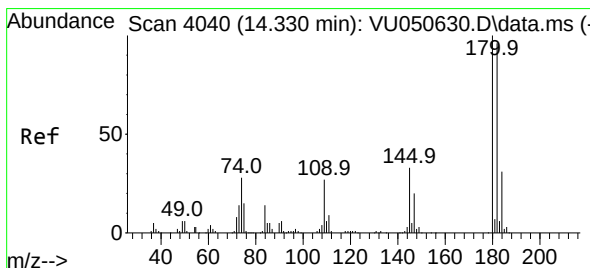
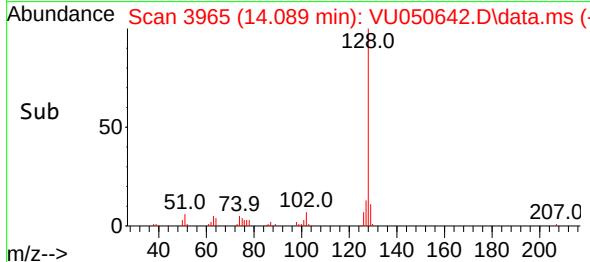
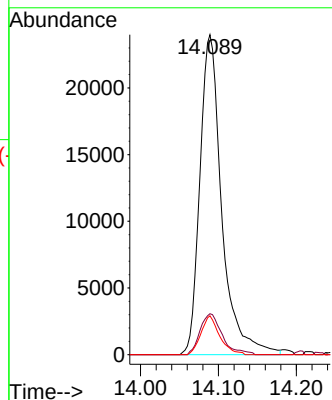
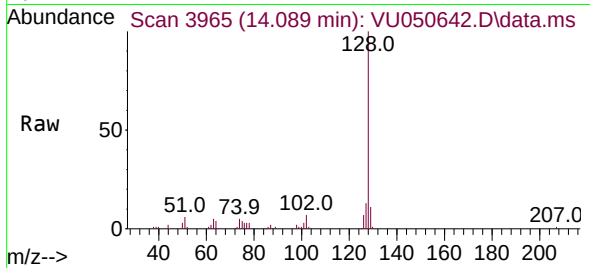




#71
Naphthalene
Concen: 7.494 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU050642.D
Acq: 06 Sep 2022 18:31

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.4	8.4	12.6



#72
1,2,3-Trichlorobenzene
Concen: 6.059 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.004 min
Lab File: VU050642.D
Acq: 06 Sep 2022 18:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.1	114.1
145	30.3	26.4	39.6

