

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040524\
 Data File : VU058413.D
 Acq On : 05 Apr 2024 12:28
 Operator : MD/SY
 Sample : P1925-15 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 05 23:35:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 05 23:33:02 2024
 Response via : Initial Calibration

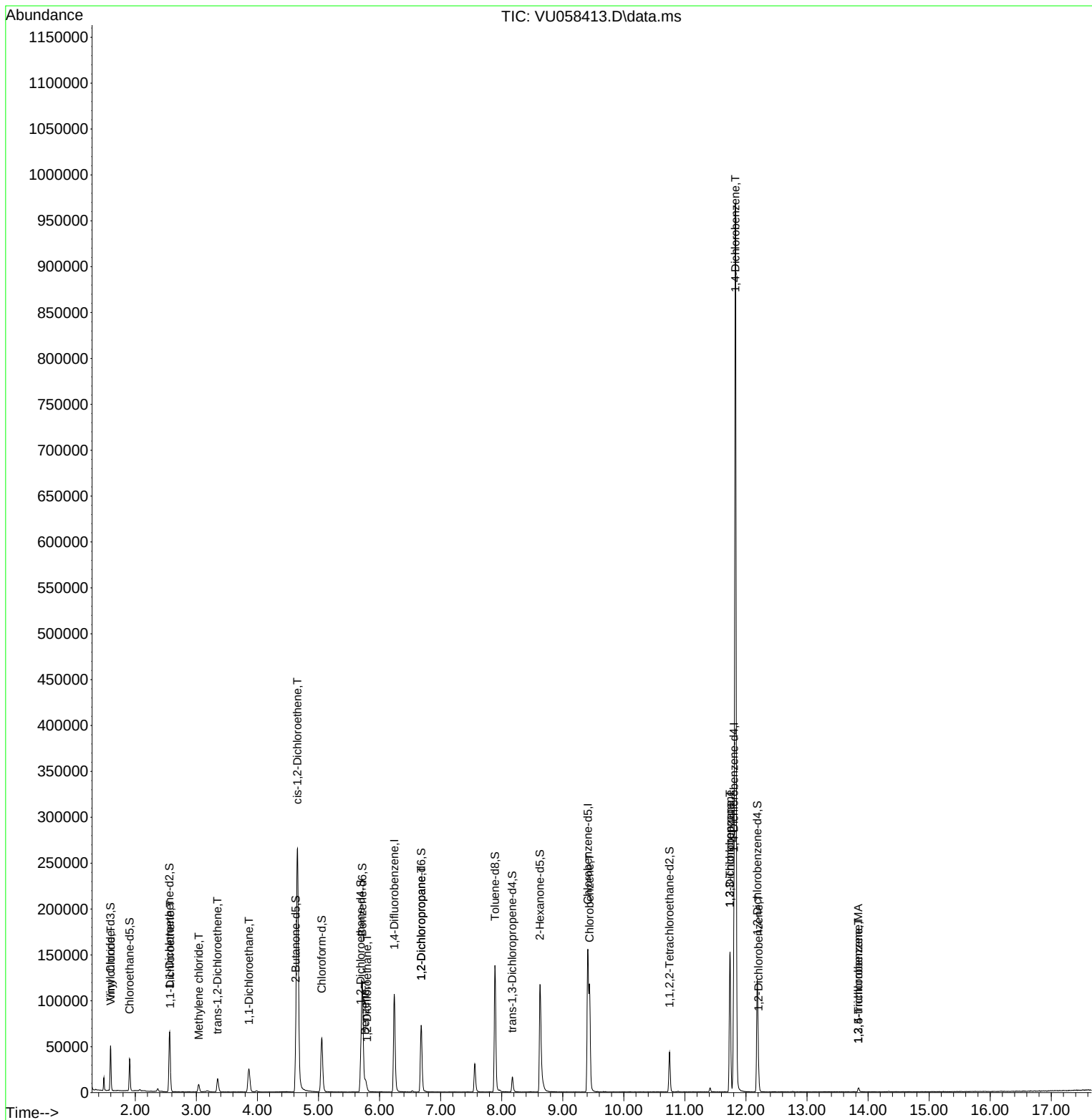
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

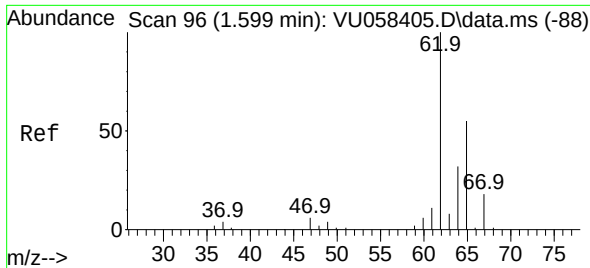
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	84364	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	82725	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	39227	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	27290	4.886	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.800%
7) Chloroethane-d5	1.907	69	23735	4.890	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.800%
11) 1,1-Dichloroethene-d2	2.560	65	12616	4.990	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.800%
20) 2-Butanone-d5	4.628	46	62534	53.127	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.260%
24) Chloroform-d	5.055	84	55495	4.977	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
26) 1,2-Dichloroethane-d4	5.692	65	26956	5.180	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.718	84	110965	4.982	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
36) 1,2-Dichloropropane-d6	6.682	67	34719	4.971	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.400%
41) Toluene-d8	7.891	98	92981	4.708	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
43) trans-1,3-Dichloroprop...	8.174	79	9720	4.483	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.627	63	42191	47.181	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.360%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	22380	4.539	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	30536	4.622	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	7197	0.837	ug/L	89
12) 1,1-Dichloroethene	2.573	96	1630	0.273	ug/L #	1
16) Methylene chloride	3.039	84	3762	0.474	ug/L	97
18) trans-1,2-Dichloroethene	3.348	96	5573	0.889	ug/L	98
19) 1,1-Dichloroethane	3.862	63	30524	2.232	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	129535	18.408	ug/L	98
27) 1,2-Dichloroethane	5.795	62	2502	0.310	ug/L #	76
33) Benzene	5.766	78	11533	0.385	ug/L	100
37) 1,2-Dichloropropane	6.682	63	3889	0.493	ug/L #	90
51) Chlorobenzene	9.441	112	57548	3.024	ug/L	98
61) 1,2,3-Trichloropropane	11.740	75	20311	5.075	ug/L #	52
64) 1,3-Dichlorobenzene	11.740	146	59503	4.266	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	367519	27.042	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	4914	0.387	ug/L	98
69) 1,3,5-Trichlorobenzene	13.843	180	1929	0.187	ug/L #	91
70) 1,2,4-trichlorobenzene	13.843	180	1929	0.243	ug/L #	89

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

Instrument :
MSVOA_U
ClientSampleId :

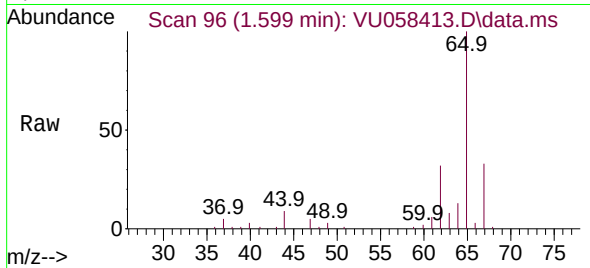
Quant Time: Apr 05 23:35:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
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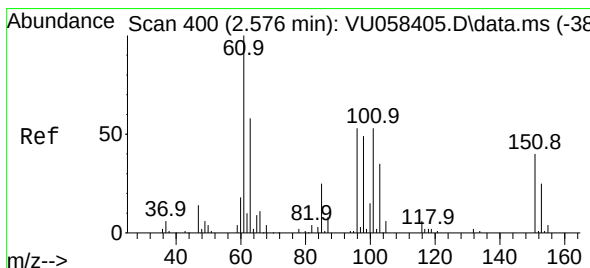
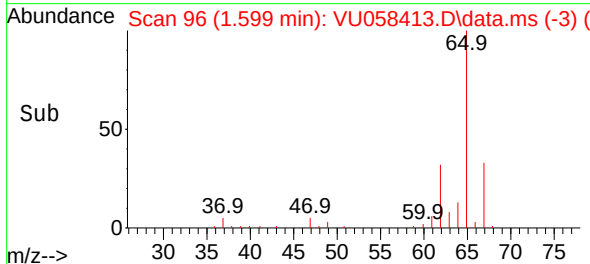
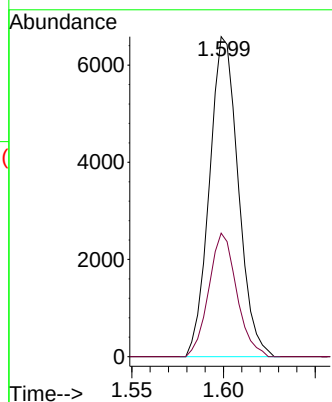


#5
 Vinyl chloride
 Concen: 0.837 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.000 min
 Lab File: VU058413.D
 Acq: 05 Apr 2024 12:28

Instrument :
 MSVOA_U
 ClientSampleId :

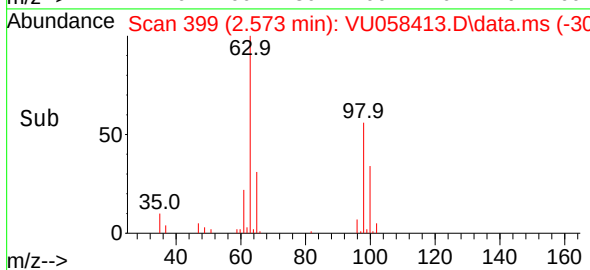
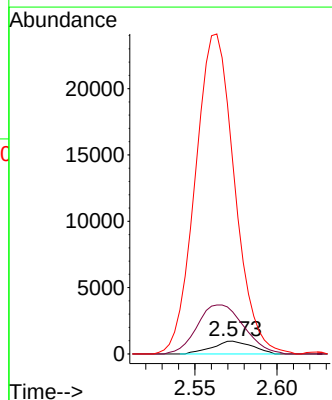
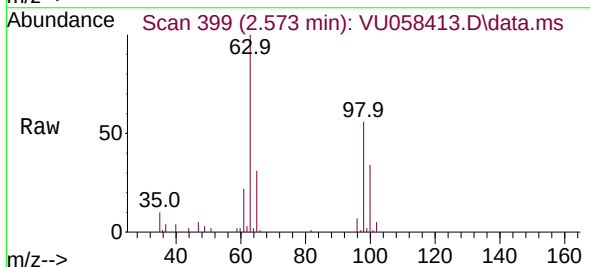


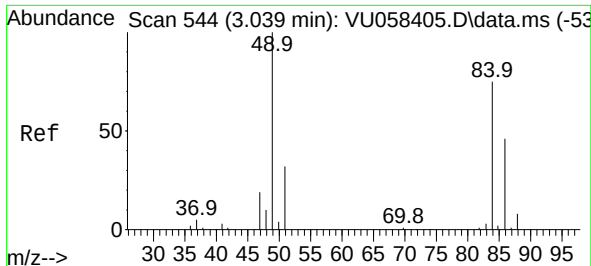
Tgt Ion: 62 Resp: 7197
 Ion Ratio Lower Upper
 62 100
 64 38.6 22.6 42.0



#12
 1,1-Dichloroethene
 Concen: 0.273 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU058413.D
 Acq: 05 Apr 2024 12:28

Tgt Ion: 96 Resp: 1630
 Ion Ratio Lower Upper
 96 100
 61 330.6 132.5 246.1#
 63 1511.4 87.7 162.9#





#16

Methylene chloride

Concen: 0.474 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.000 min

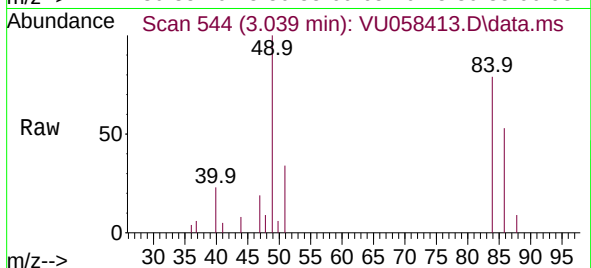
Lab File: VU058413.D

Acq: 05 Apr 2024 12:28

Instrument :

MSVOA_U

ClientSampleId :



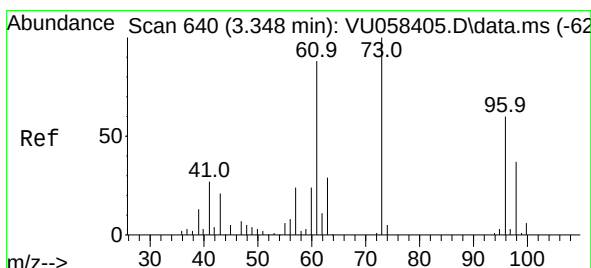
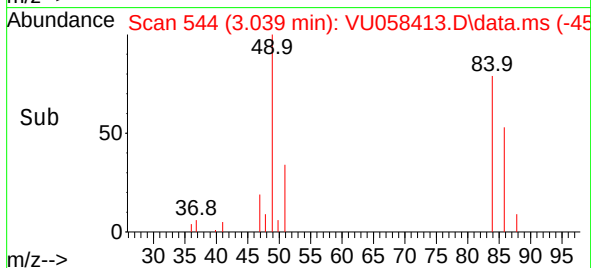
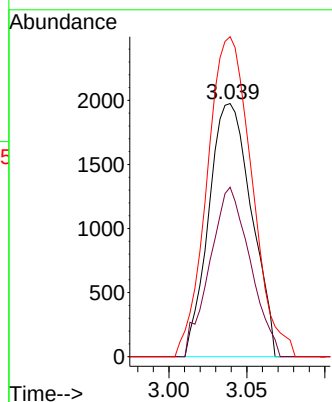
Tgt Ion: 84 Resp: 3762

Ion Ratio Lower Upper

84 100

86 66.9 44.3 82.3

49 134.1 96.0 178.2



#18

trans-1,2-Dichloroethene

Concen: 0.889 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU058413.D

Acq: 05 Apr 2024 12:28

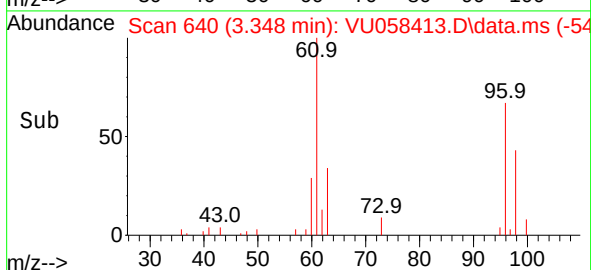
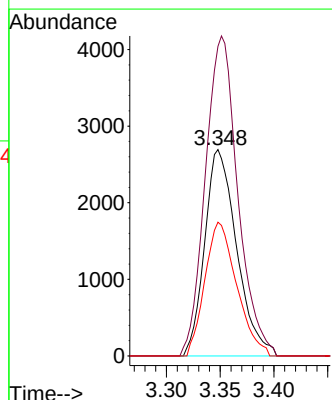
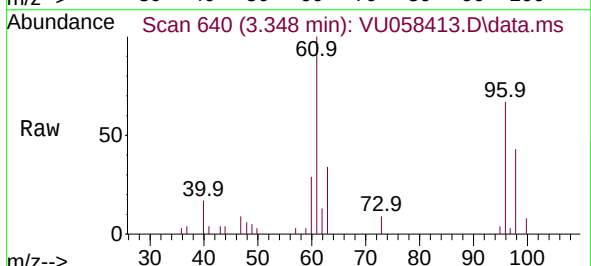
Tgt Ion: 96 Resp: 5573

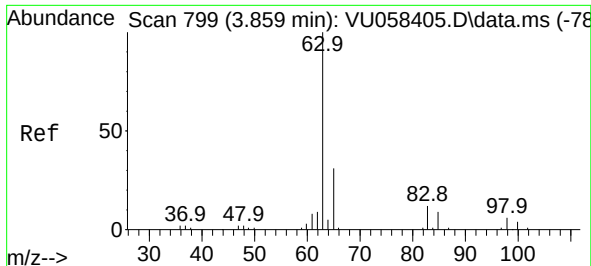
Ion Ratio Lower Upper

96 100

61 149.9 107.6 199.8

98 64.8 45.1 83.7

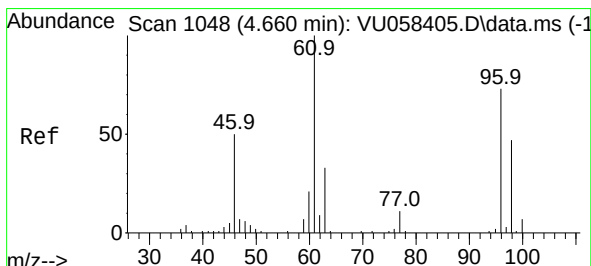
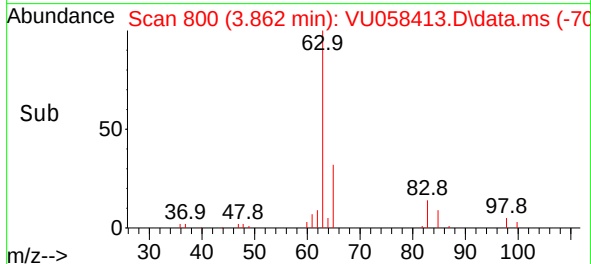
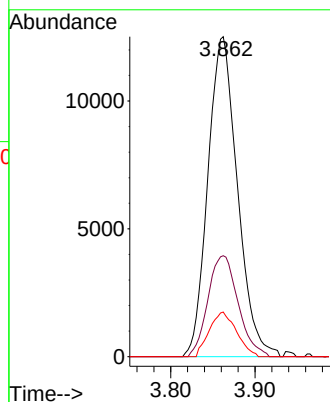
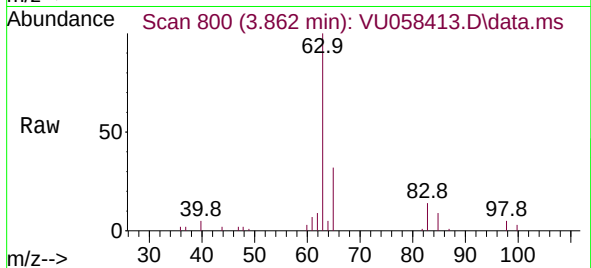




#19
1,1-Dichloroethane
Concen: 2.232 ug/L
RT: 3.862 min Scan# 80
Delta R.T. 0.003 min
Lab File: VU058413.D
Acq: 05 Apr 2024 12:28

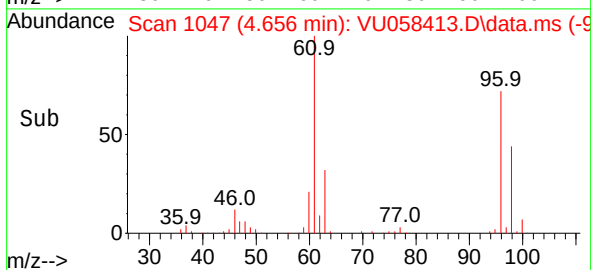
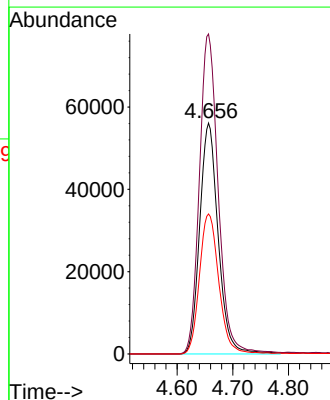
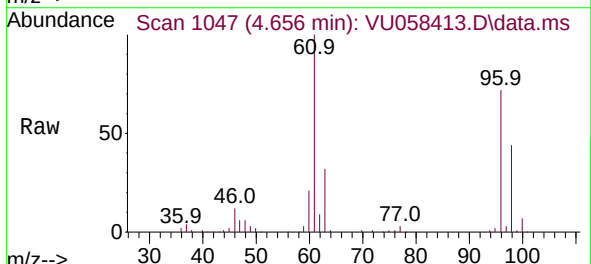
Instrument :
MSVOA_U
ClientSampleId :

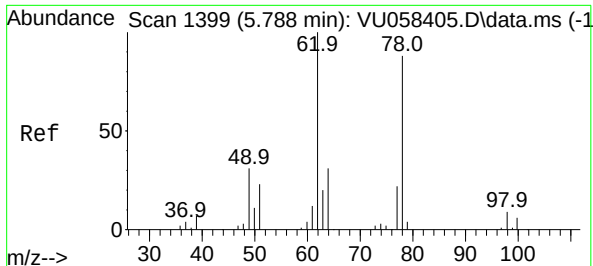
Tgt Ion: 63 Resp: 30524
Ion Ratio Lower Upper
63 100
65 31.5 22.9 42.5
83 13.9 9.6 17.8



#22
cis-1,2-Dichloroethene
Concen: 18.408 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU058413.D
Acq: 05 Apr 2024 12:28

Tgt Ion: 96 Resp: 129535
Ion Ratio Lower Upper
96 100
61 138.6 98.1 182.3
98 60.6 43.6 81.0





#27

1,2-Dichloroethane

Concen: 0.310 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.006 min

Lab File: VU058413.D

Acq: 05 Apr 2024 12:28

Instrument :

MSVOA_U

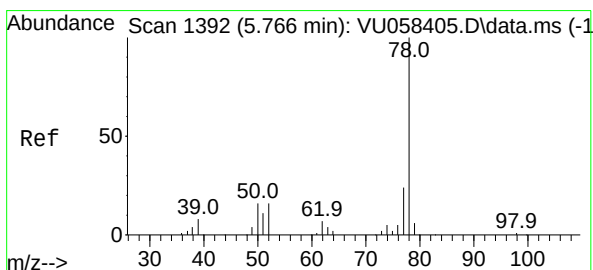
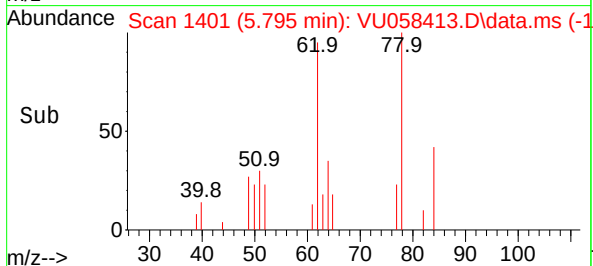
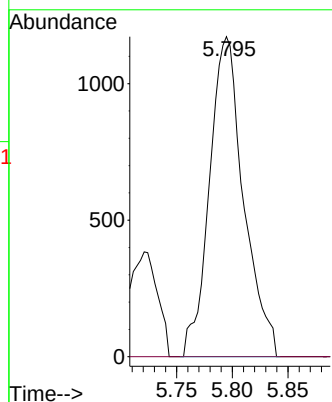
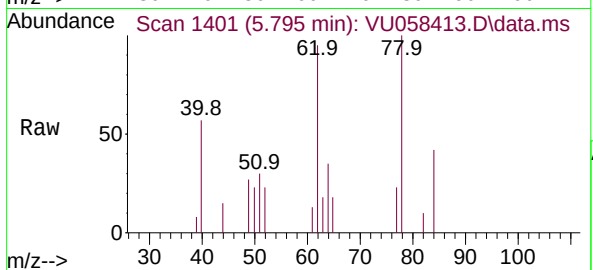
ClientSampleId :

Tgt Ion: 62 Resp: 2502

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.4#



#33

Benzene

Concen: 0.385 ug/L

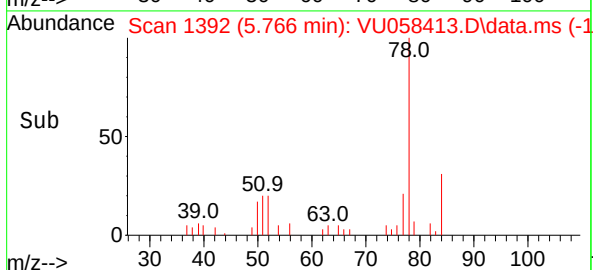
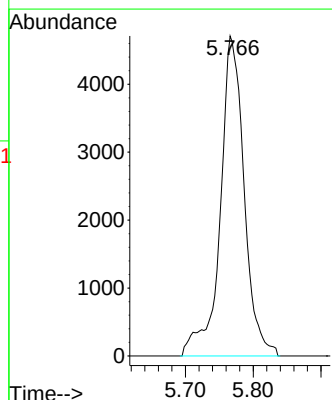
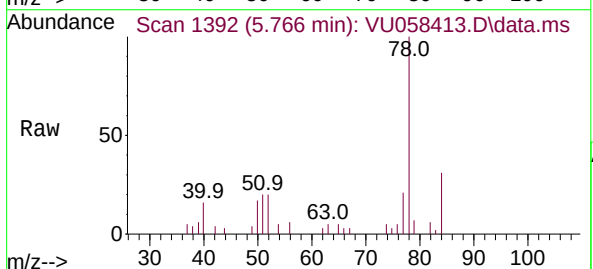
RT: 5.766 min Scan# 1392

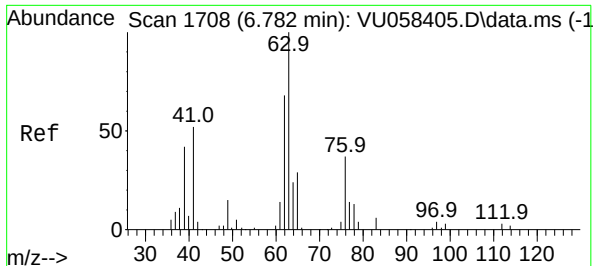
Delta R.T. -0.000 min

Lab File: VU058413.D

Acq: 05 Apr 2024 12:28

Tgt Ion: 78 Resp: 11533

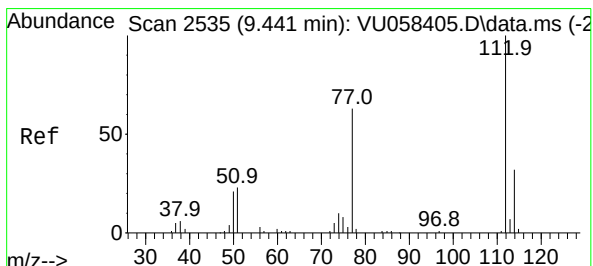
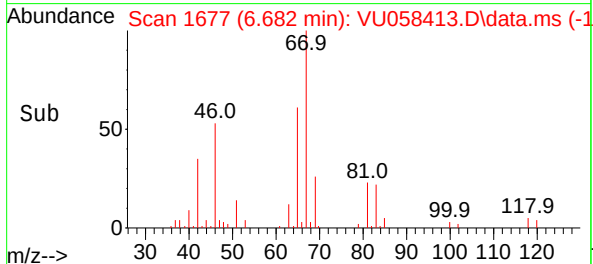
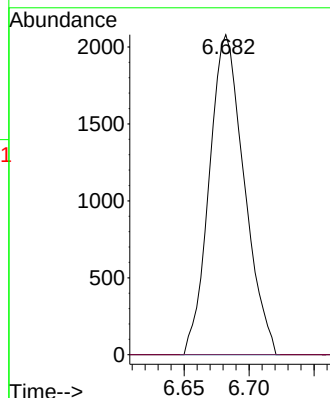
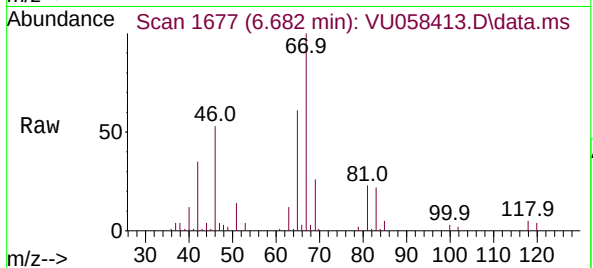




#37
1,2-Dichloropropane
Concen: 0.493 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU058413.D
Acq: 05 Apr 2024 12:28

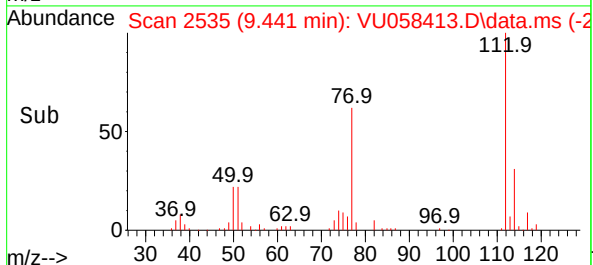
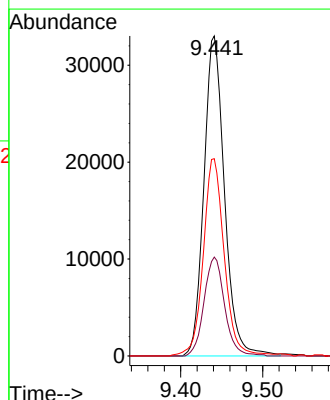
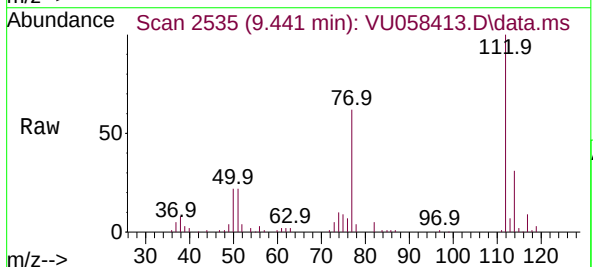
Instrument :
MSVOA_U
ClientSampleId :

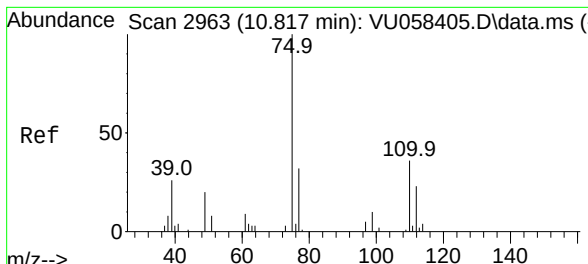
Tgt Ion: 63 Resp: 3889
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#



#51
Chlorobenzene
Concen: 3.024 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU058413.D
Acq: 05 Apr 2024 12:28

Tgt Ion: 112 Resp: 57548
Ion Ratio Lower Upper
112 100
114 30.9 22.4 41.6
77 61.6 50.1 75.1

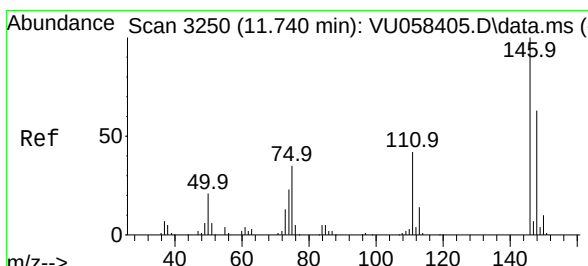
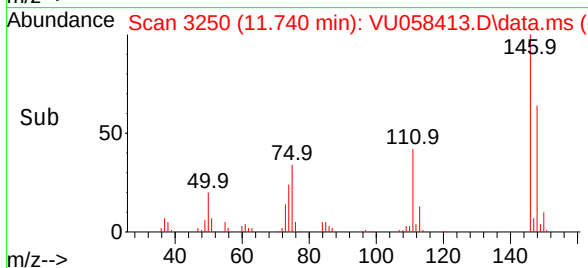
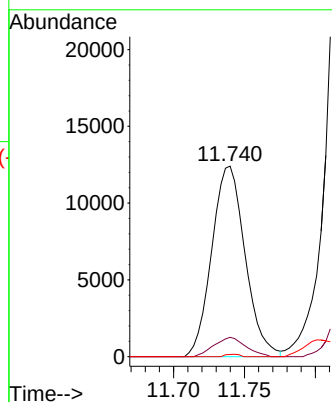
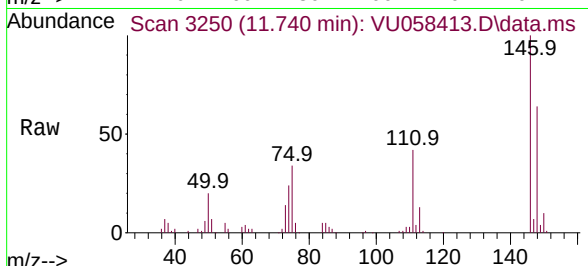




#61
1,2,3-Trichloropropane
Concen: 5.075 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.923 min
Lab File: VU058413.D
Acq: 05 Apr 2024 12:28

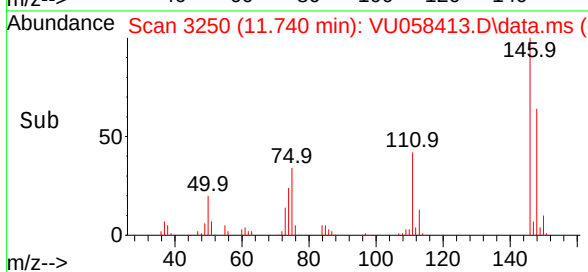
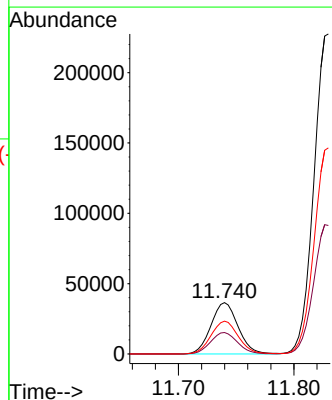
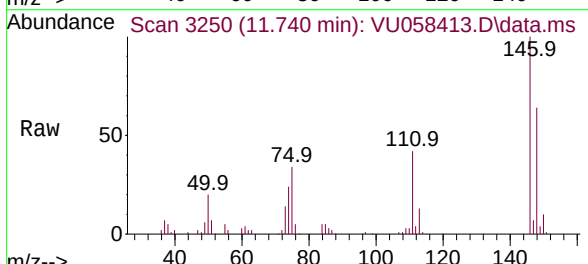
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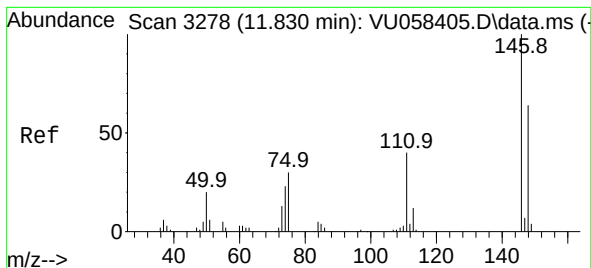
Tgt Ion: 75 Resp: 20311
Ion Ratio Lower Upper
75 100
110 9.6 25.8 38.6#
77 0.0 25.1 37.7#



#64
1,3-Dichlorobenzene
Concen: 4.266 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. -0.000 min
Lab File: VU058413.D
Acq: 05 Apr 2024 12:28

Tgt Ion:146 Resp: 59503
Ion Ratio Lower Upper
146 100
111 41.8 28.8 53.4
148 63.9 44.9 83.3





#65

1,4-Dichlorobenzene

Concen: 27.042 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU058413.D

Acq: 05 Apr 2024 12:28

Instrument :

MSVOA_U

ClientSampleId :

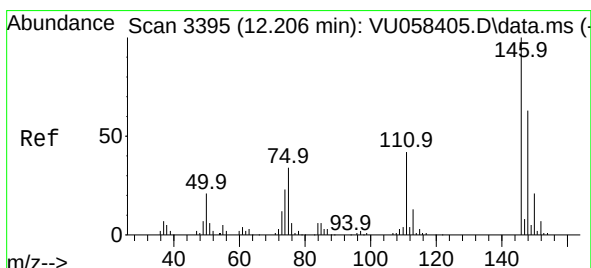
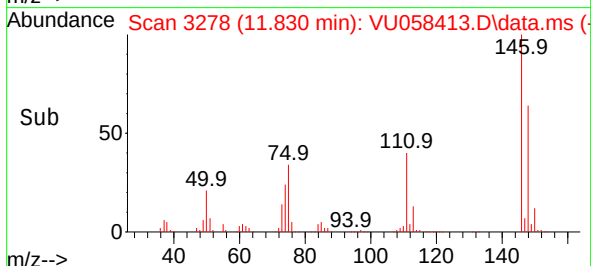
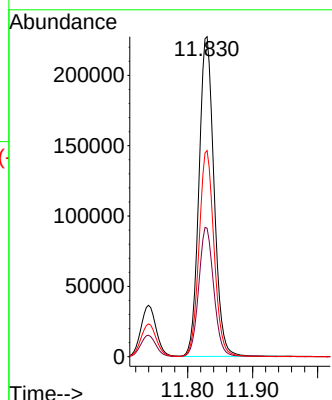
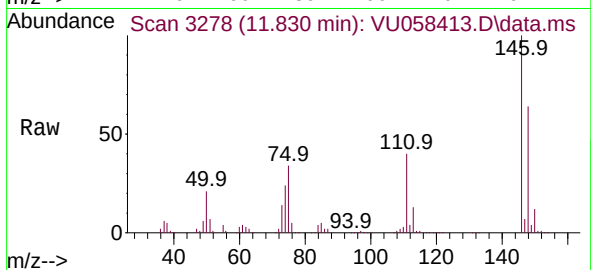
Tgt Ion:146 Resp: 367519

Ion Ratio Lower Upper

146 100

111 40.2 28.8 53.6

148 64.4 45.3 84.1



#67

1,2-Dichlorobenzene

Concen: 0.387 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU058413.D

Acq: 05 Apr 2024 12:28

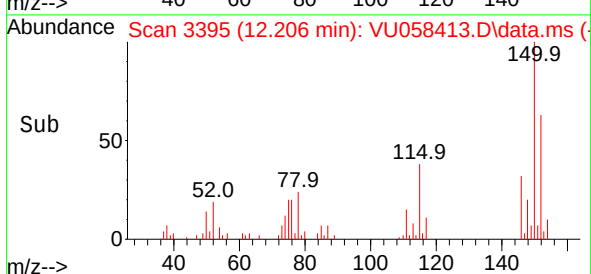
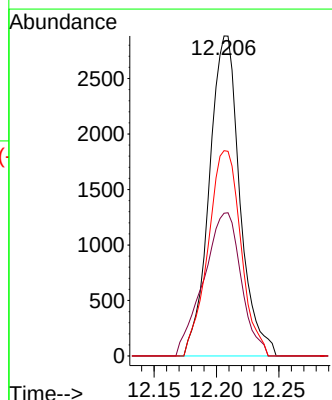
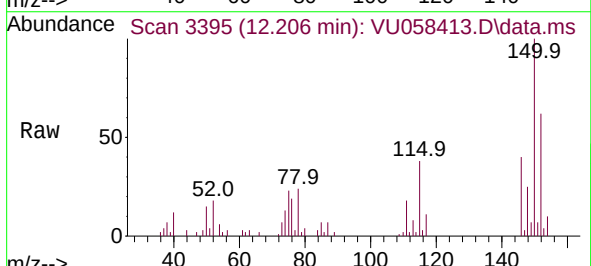
Tgt Ion:146 Resp: 4914

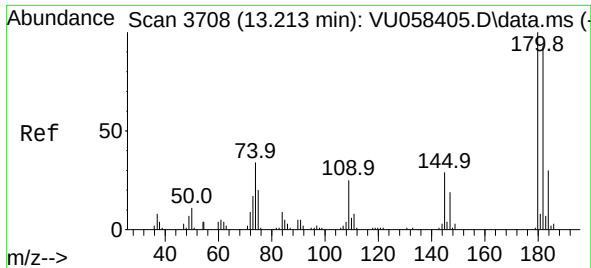
Ion Ratio Lower Upper

146 100

111 44.6 35.0 52.4

148 64.1 52.5 78.7





#69

1,3,5-Trichlorobenzene

Concen: 0.187 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.630 min

Lab File: VU058413.D

Acq: 05 Apr 2024 12:28

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 1929

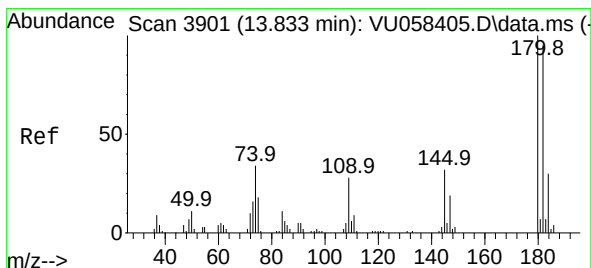
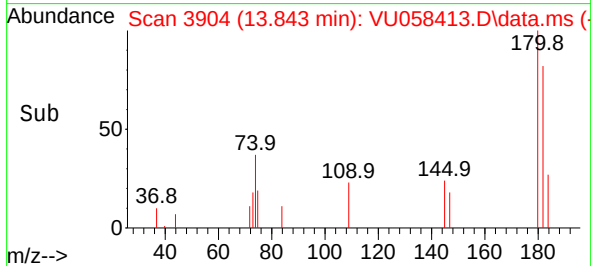
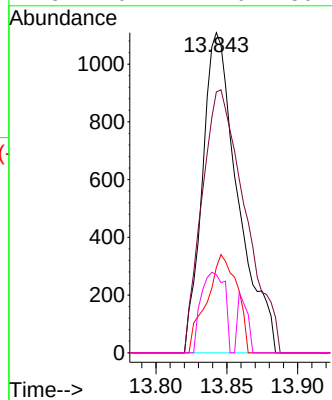
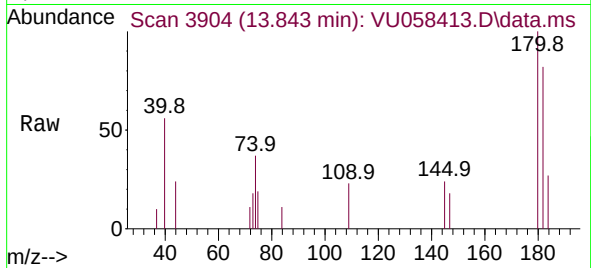
Ion Ratio Lower Upper

180 100

182 99.6 75.7 113.5

184 26.2 24.3 36.5

145 16.7 24.0 36.0#



#70

1,2,4-trichlorobenzene

Concen: 0.243 ug/L

RT: 13.843 min Scan# 3904

Delta R.T. 0.010 min

Lab File: VU058413.D

Acq: 05 Apr 2024 12:28

Tgt Ion:180 Resp: 1929

Ion Ratio Lower Upper

180 100

182 99.6 74.4 111.6

145 16.7 24.1 36.1#

