

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090523\
 Data File : VU055099.D
 Acq On : 05 Sep 2023 17:13
 Operator : MD/SY
 Sample : 04250-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 02:19:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 06 02:14:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	179781	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	188817	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	97830	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	38085	4.520	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.400%
7) Chloroethane-d5	1.907	69	45009	4.615	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.200%
11) 1,1-Dichloroethene-d2	2.560	65	23408	4.876	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.600%
20) 2-Butanone-d5	4.624	46	139696	57.132	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.260%
24) Chloroform-d	5.062	84	112019	5.010	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
26) 1,2-Dichloroethane-d4	5.702	65	59274	5.299	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.000%
32) Benzene-d6	5.724	84	218427	4.687	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	6.689	67	74778	5.044	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.800%
41) Toluene-d8	7.898	98	195220	4.547	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
43) trans-1,3-Dichloroprop...	8.181	79	20164	4.939	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.800%
46) 2-Hexanone-d5	8.634	63	88674	53.503	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.000%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	54039	5.183	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.600%
66) 1,2-Dichlorobenzene-d4	12.193	152	74423	5.212	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.200%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	3414	0.321	ug/L	92
13) Acetone	2.628	43	74397	45.397	ug/L	100
15) Methyl Acetate	2.952	43	22796	6.796	ug/L	98
16) Methylene chloride	3.039	84	8410	0.662	ug/L	96
18) trans-1,2-Dichloroethene	3.345	96	1640	0.194	ug/L	86
21) 2-Butanone	4.721	43	14457	6.004	ug/L #	53
35) Methylcyclohexane	6.692	83	14964	0.955	ug/L #	20
40) 4-Methyl-2-pentanone	7.795	43	10278	1.647	ug/L #	89
42) Toluene	7.968	91	45031	1.051	ug/L	96
47) Tetrachloroethene	8.547	164	1424	0.184	ug/L	87
48) 2-Hexanone	8.685	43	16553	3.386	ug/L #	92
49) Dibromochloromethane	8.553	129	1394	0.173	ug/L #	9
52) Ethylbenzene	9.573	91	9981	0.208	ug/L	98
53) m,p-Xylene	9.695	106	10337	0.583	ug/L	95
54) o-Xylene	10.103	106	4819	0.276	ug/L	90
55) Styrene	10.116	104	24090	0.836	ug/L	95
61) 1,2,3-Trichloropropane	10.116	75	1160	0.179	ug/L #	1

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 06 02:14:32 2023
Response via : Initial Calibration

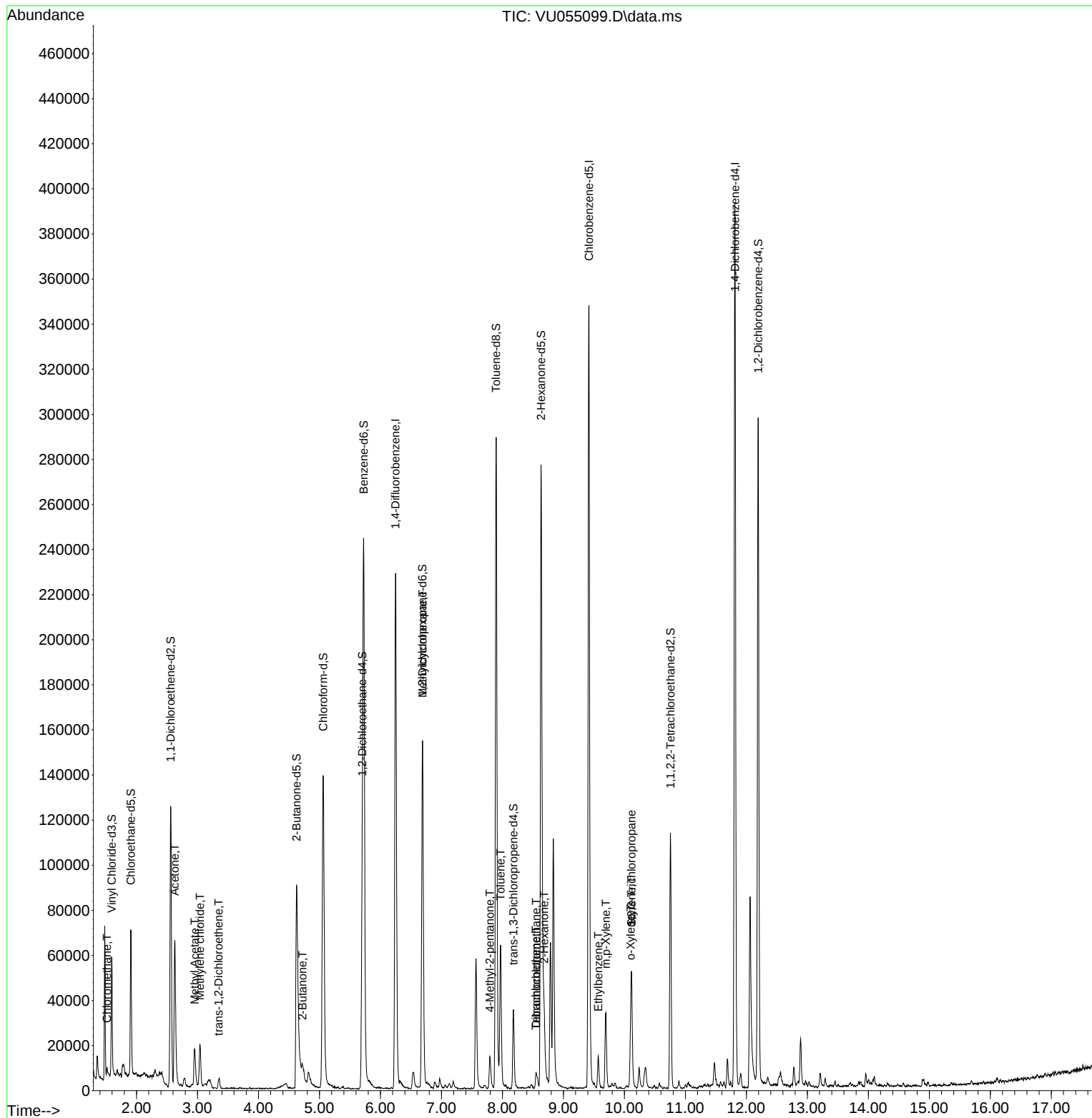
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

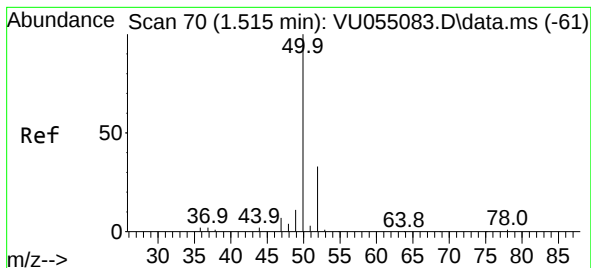
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#3

Chloromethane

Concen: 0.321 ug/L

RT: 1.515 min Scan# 70

Delta R.T. 0.000 min

Lab File: VU055099.D

Acq: 05 Sep 2023 17:13

Instrument :

MSVOA_U

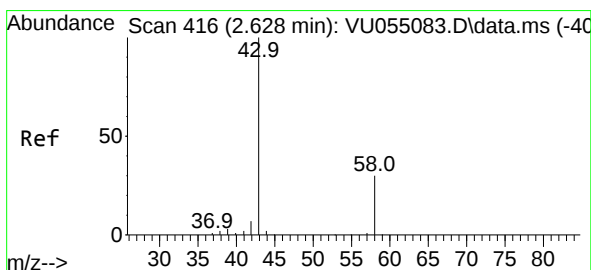
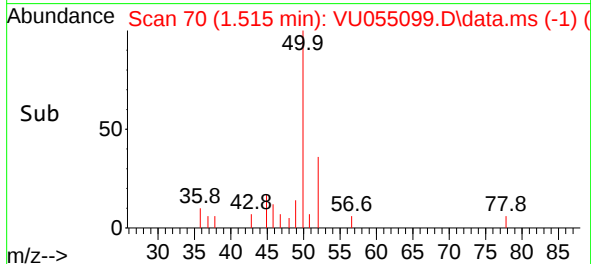
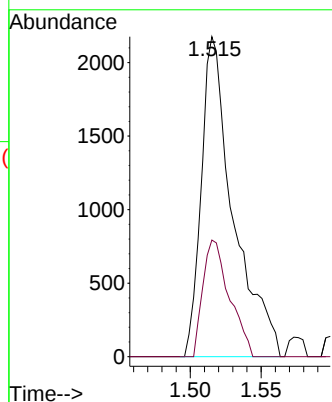
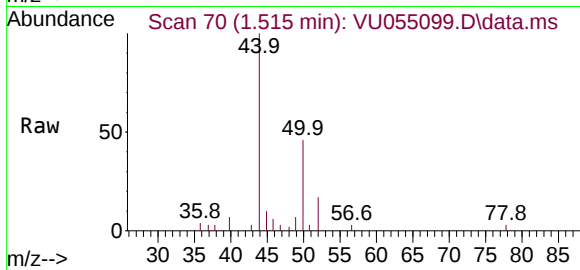
ClientSampleId :

Tgt Ion: 50 Resp: 3414

Ion Ratio Lower Upper

50 100

52 36.4 22.5 41.7



#13

Acetone

Concen: 45.397 ug/L

RT: 2.628 min Scan# 416

Delta R.T. 0.000 min

Lab File: VU055099.D

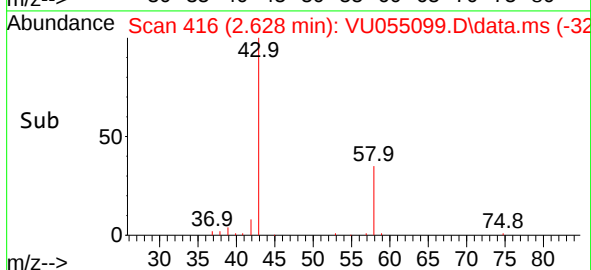
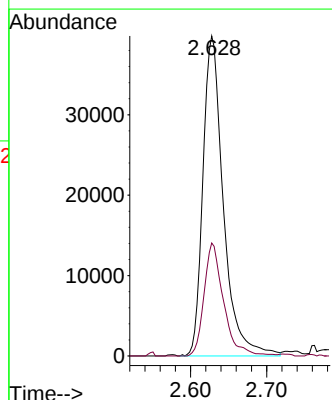
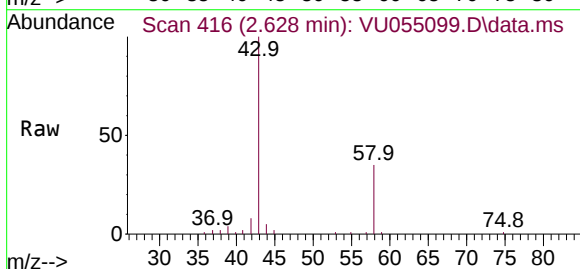
Acq: 05 Sep 2023 17:13

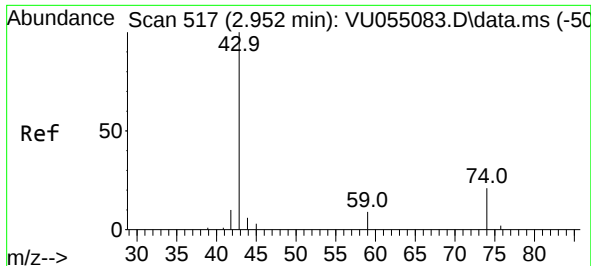
Tgt Ion: 43 Resp: 74397

Ion Ratio Lower Upper

43 100

58 33.7 0.0 67.8

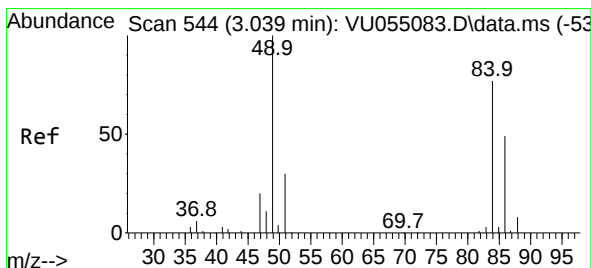
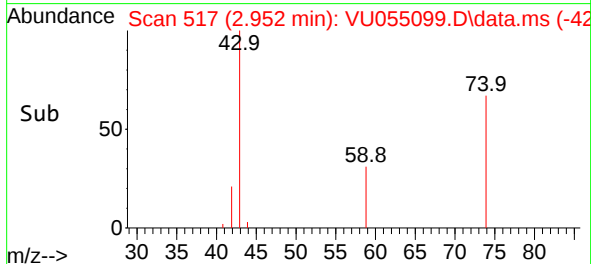
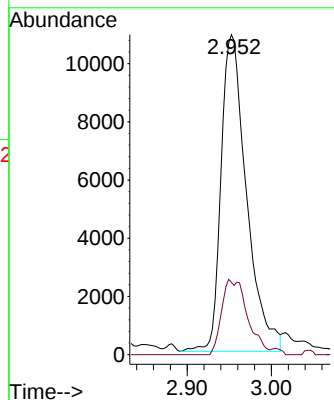
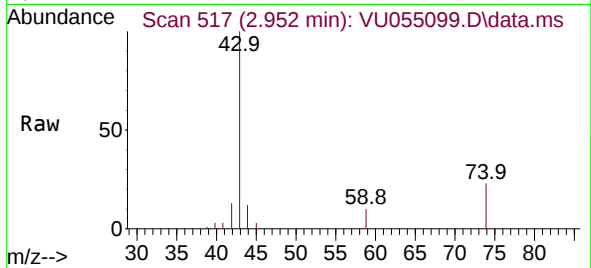




#15
Methyl Acetate
Concen: 6.796 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU055099.D
Acq: 05 Sep 2023 17:13

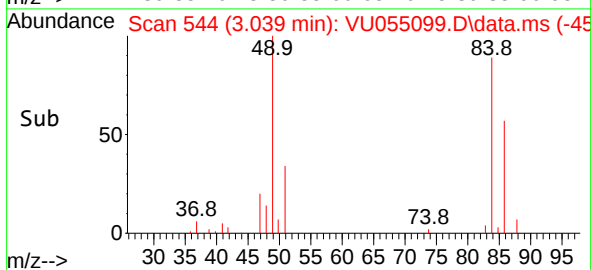
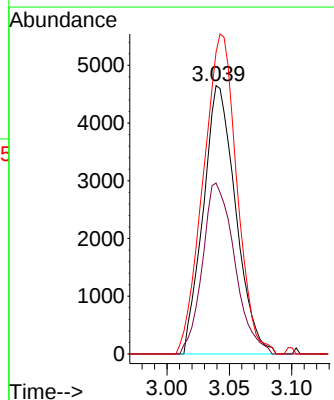
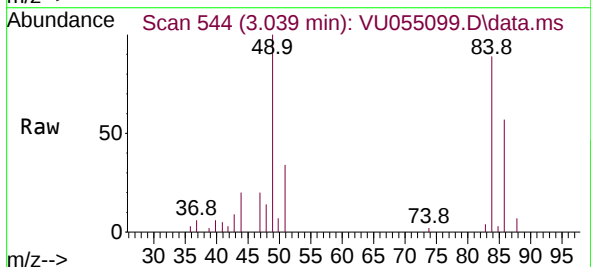
Instrument :
MSVOA_U
ClientSampleId :

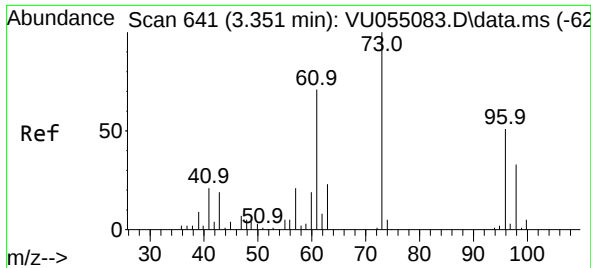
Tgt Ion: 43 Resp: 22796
Ion Ratio Lower Upper
43 100
74 24.0 18.4 27.6



#16
Methylene chloride
Concen: 0.662 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU055099.D
Acq: 05 Sep 2023 17:13

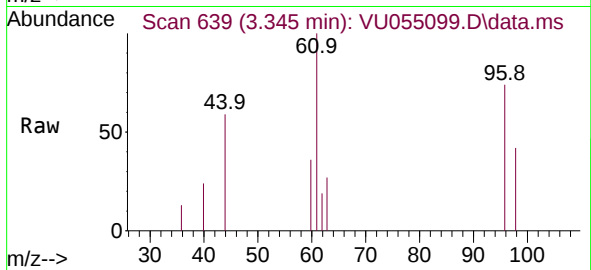
Tgt Ion: 84 Resp: 8410
Ion Ratio Lower Upper
84 100
86 63.7 43.4 80.6
49 120.4 87.7 162.9



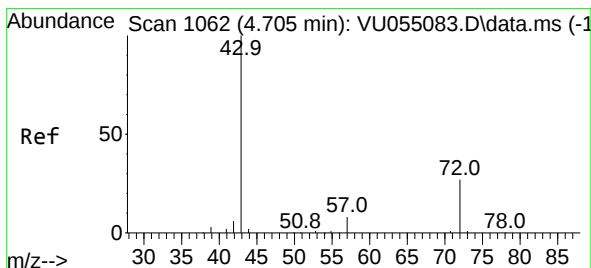
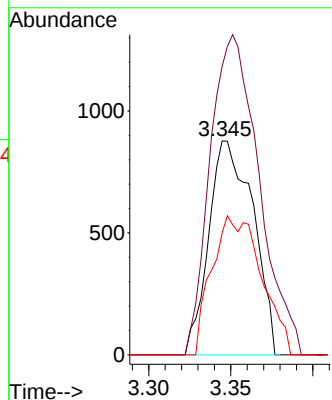
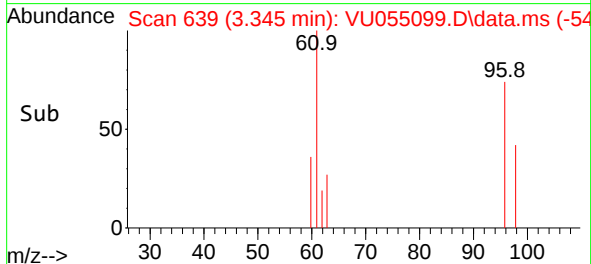


#18
trans-1,2-Dichloroethene
Concen: 0.194 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU055099.D
Acq: 05 Sep 2023 17:13

Instrument :
MSVOA_U
ClientSampleId :

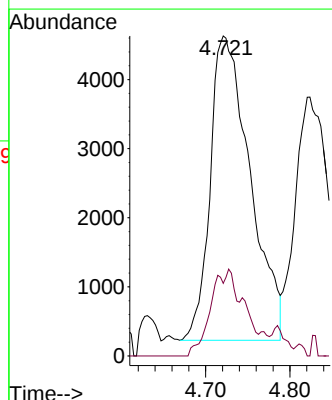
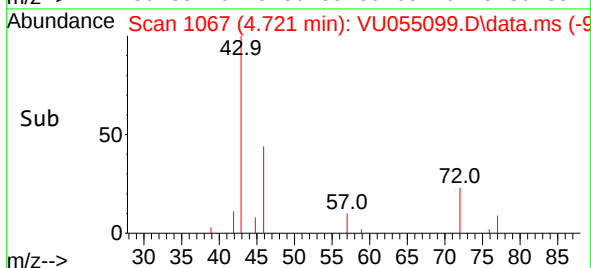
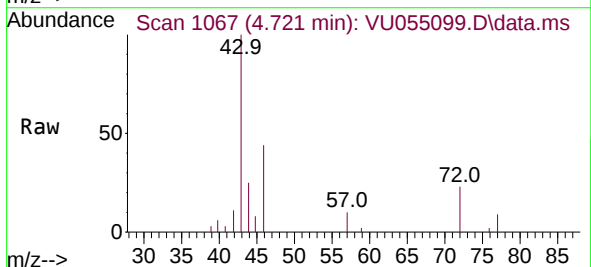


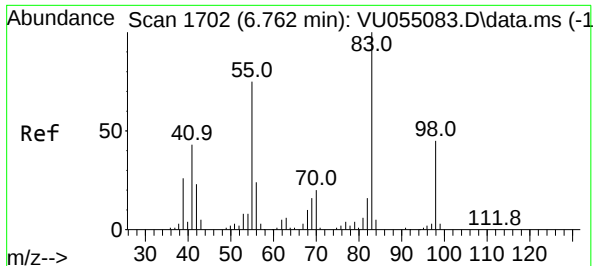
Tgt Ion: 96 Resp: 1640
Ion Ratio Lower Upper
96 100
61 134.9 108.1 200.9
98 57.0 45.4 84.4



#21
2-Butanone
Concen: 6.004 ug/L
RT: 4.721 min Scan# 1067
Delta R.T. 0.016 min
Lab File: VU055099.D
Acq: 05 Sep 2023 17:13

Tgt Ion: 43 Resp: 14457
Ion Ratio Lower Upper
43 100
72 2.9 13.5 40.5#

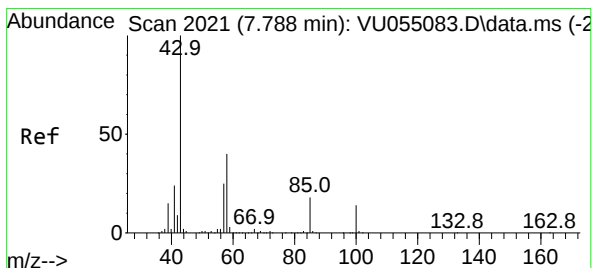
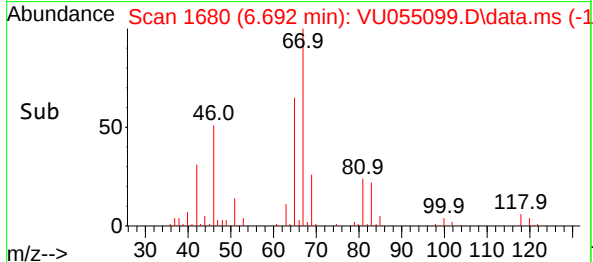
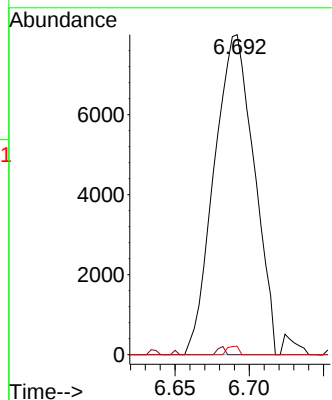
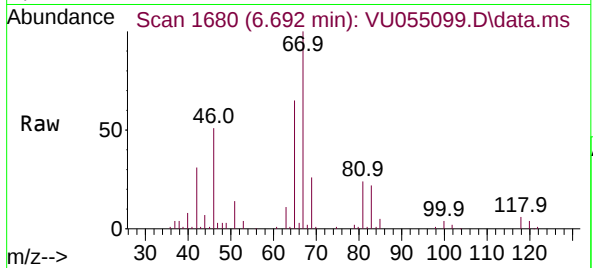




#35
Methylcyclohexane
Concen: 0.955 ug/L
RT: 6.692 min Scan# 1
Delta R.T. -0.071 min
Lab File: VU055099.D
Acq: 05 Sep 2023 17:13

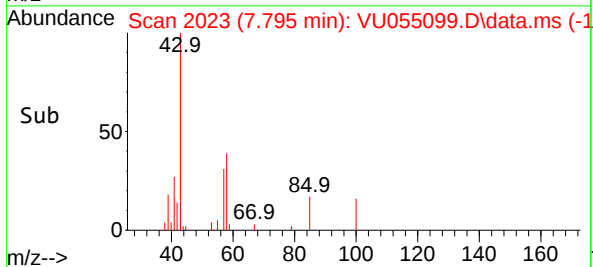
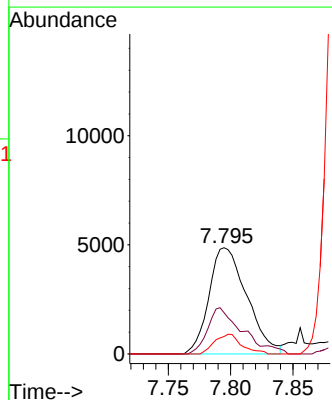
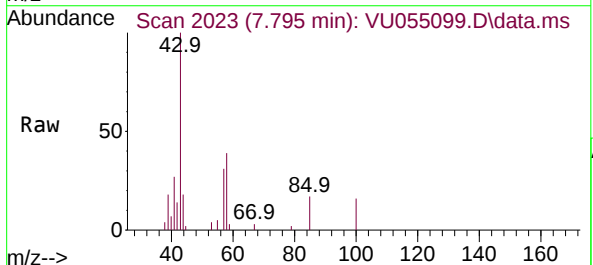
Instrument :
MSVOA_U
ClientSampleId :

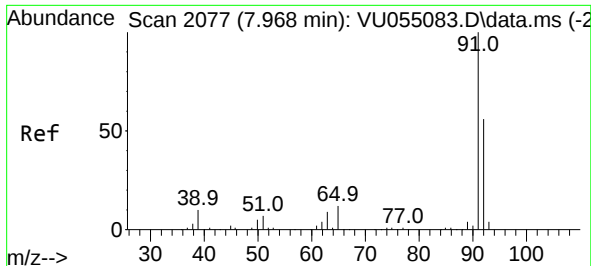
Tgt Ion: 83 Resp: 14964
Ion Ratio Lower Upper
83 100
55 0.5 60.4 90.6#
98 0.8 35.3 52.9#



#40
4-Methyl-2-pentanone
Concen: 1.647 ug/L
RT: 7.795 min Scan# 2023
Delta R.T. 0.007 min
Lab File: VU055099.D
Acq: 05 Sep 2023 17:13

Tgt Ion: 43 Resp: 10278
Ion Ratio Lower Upper
43 100
58 40.1 31.5 47.3
100 0.0 11.8 17.8#

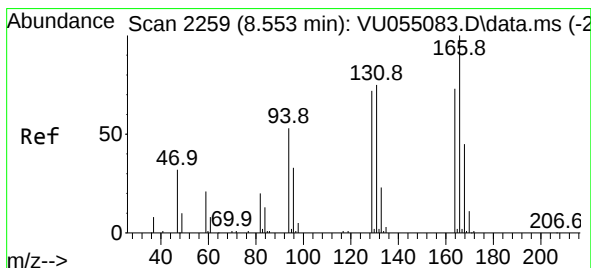
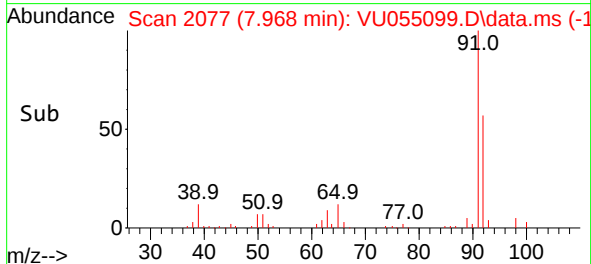
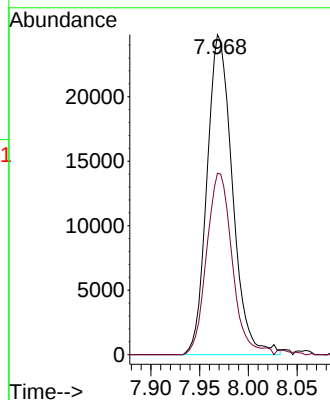
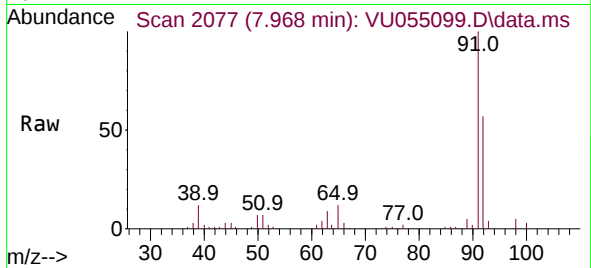




#42
Toluene
Concen: 1.051 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.000 min
Lab File: VU055099.D
Acq: 05 Sep 2023 17:13

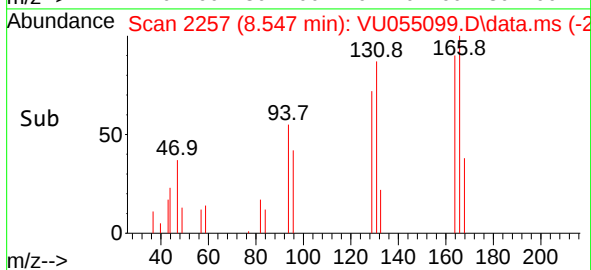
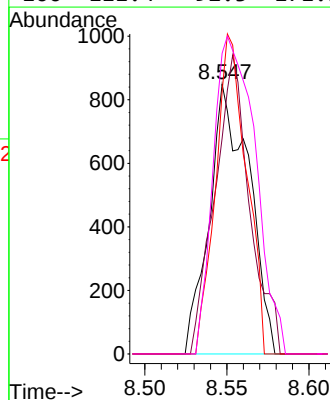
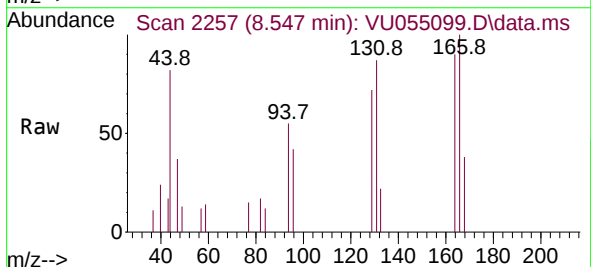
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ClientSampleId :

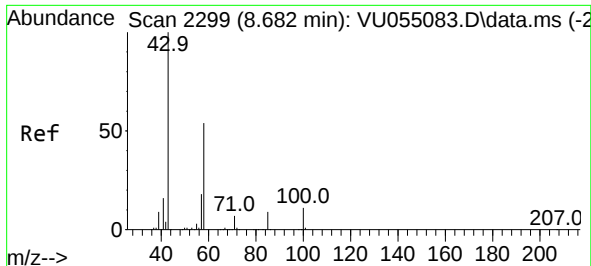
Tgt Ion: 91 Resp: 45031
Ion Ratio Lower Upper
91 100
92 56.7 41.9 77.9



#47
Tetrachloroethene
Concen: 0.184 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.006 min
Lab File: VU055099.D
Acq: 05 Sep 2023 17:13

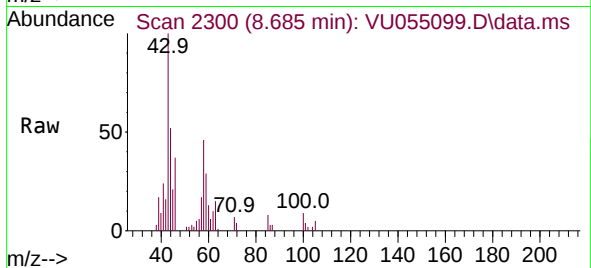
Tgt Ion: 164 Resp: 1424
Ion Ratio Lower Upper
164 100
129 80.0 69.2 128.6
131 97.2 68.8 127.8
166 111.4 92.3 171.5



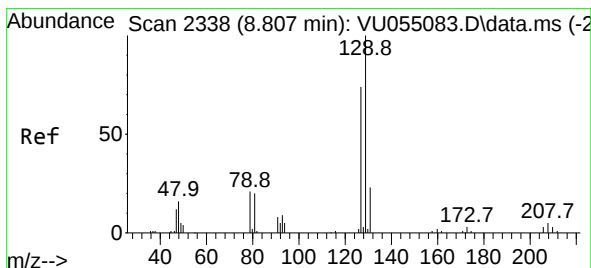
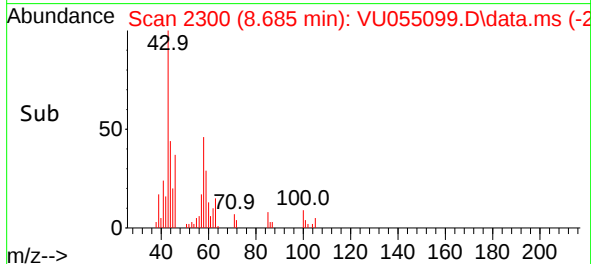
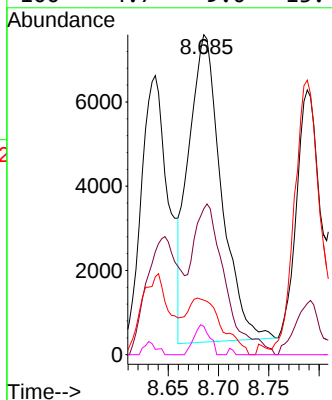


#48
2-Hexanone
Concen: 3.386 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055099.D
Acq: 05 Sep 2023 17:13

Instrument :
MSVOA_U
ClientSampleId :

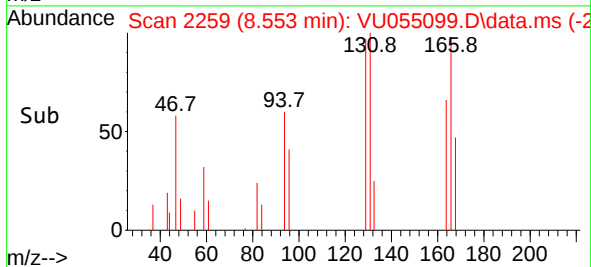
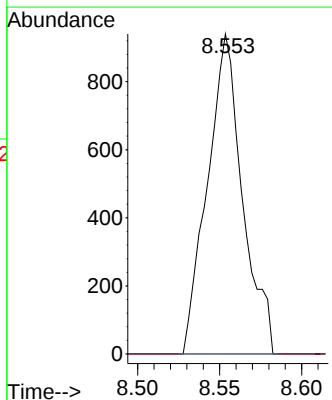
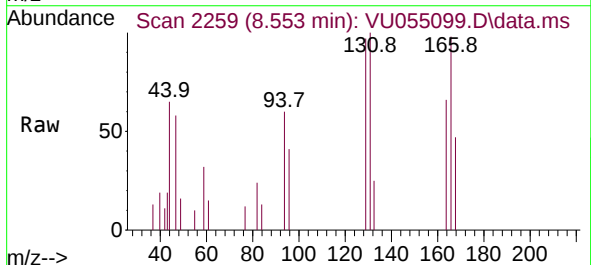


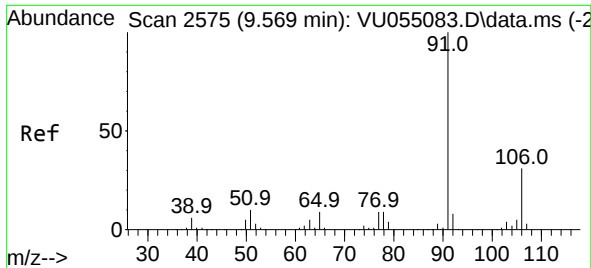
Tgt Ion: 43 Resp: 16553
Ion Ratio Lower Upper
43 100
58 49.1 44.0 66.0
57 19.5 16.2 24.2
100 4.7 9.0 13.4#



#49
Dibromochloromethane
Concen: 0.173 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. -0.254 min
Lab File: VU055099.D
Acq: 05 Sep 2023 17:13

Tgt Ion: 129 Resp: 1394
Ion Ratio Lower Upper
129 100
127 0.0 55.9 103.7#

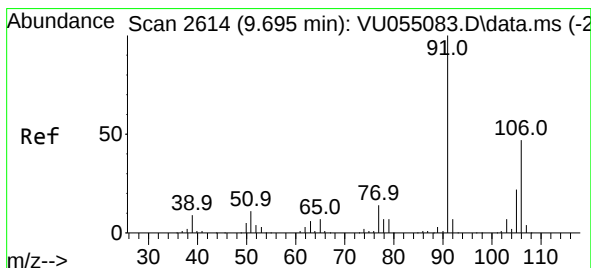
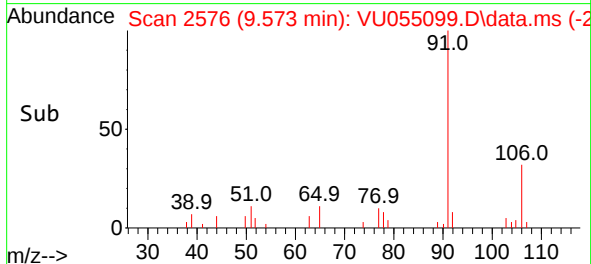
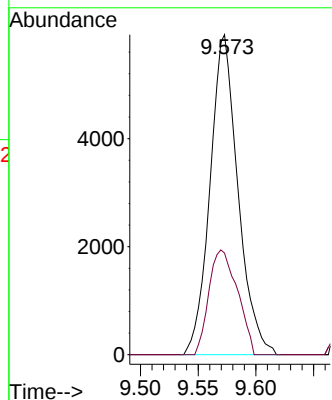
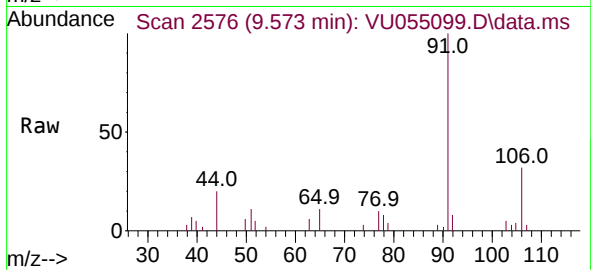




#52
Ethylbenzene
Concen: 0.208 ug/L
RT: 9.573 min Scan# 2576
Delta R.T. 0.003 min
Lab File: VU055099.D
Acq: 05 Sep 2023 17:13

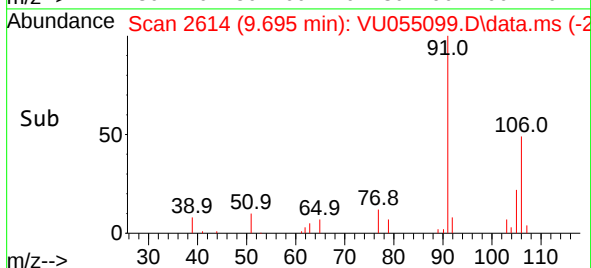
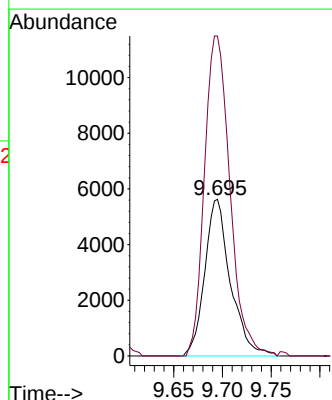
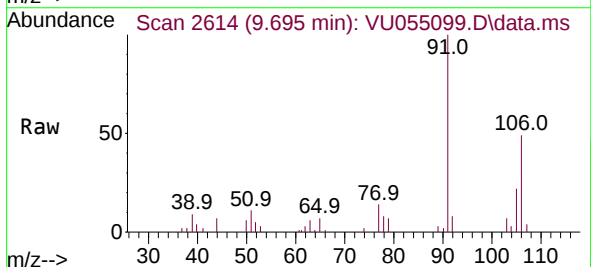
Instrument :
MSVOA_U
ClientSampleId :

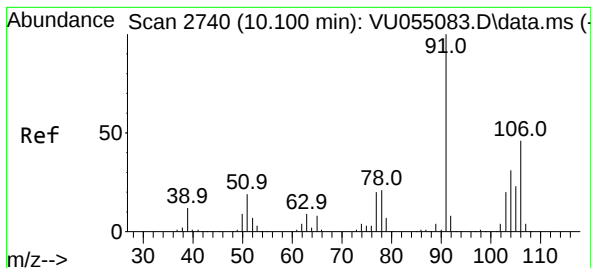
Tgt Ion: 91 Resp: 9981
Ion Ratio Lower Upper
91 100
106 31.8 21.5 39.9



#53
m,p-Xylene
Concen: 0.583 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.000 min
Lab File: VU055099.D
Acq: 05 Sep 2023 17:13

Tgt Ion: 106 Resp: 10337
Ion Ratio Lower Upper
106 100
91 204.2 148.3 275.5





#54

o-Xylene

Concen: 0.276 ug/L

RT: 10.103 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU055099.D

Acq: 05 Sep 2023 17:13

Instrument :

MSVOA_U

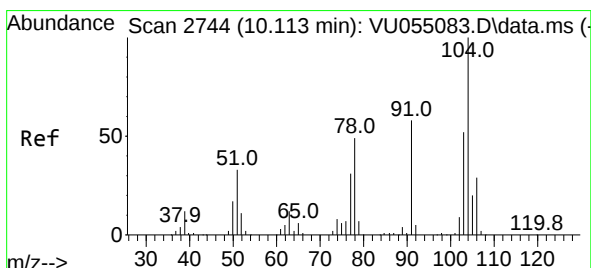
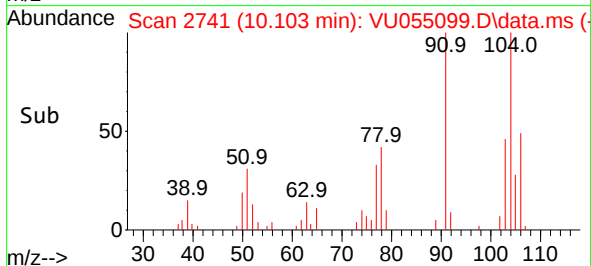
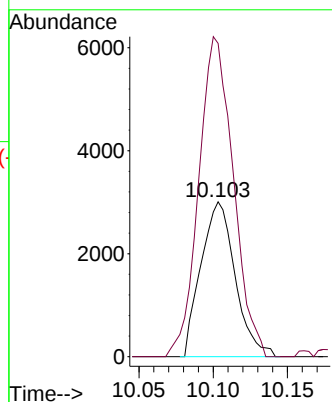
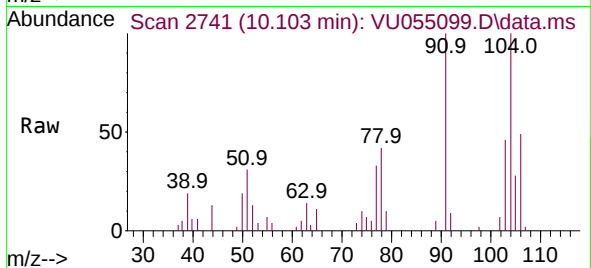
ClientSampleId :

Tgt Ion:106 Resp: 4819

Ion Ratio Lower Upper

106 100

91 202.3 152.9 284.1



#55

Styrene

Concen: 0.836 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.003 min

Lab File: VU055099.D

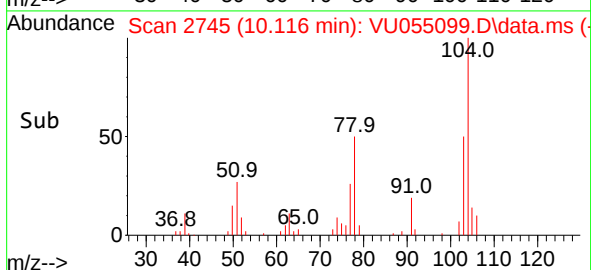
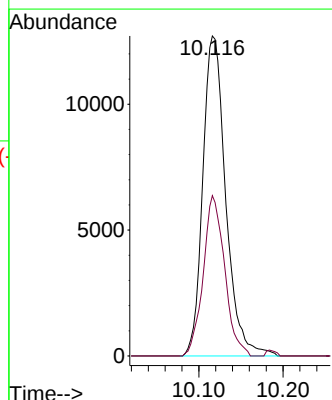
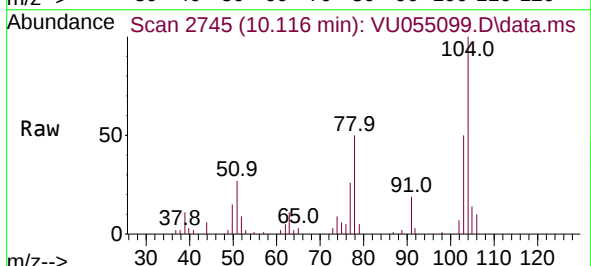
Acq: 05 Sep 2023 17:13

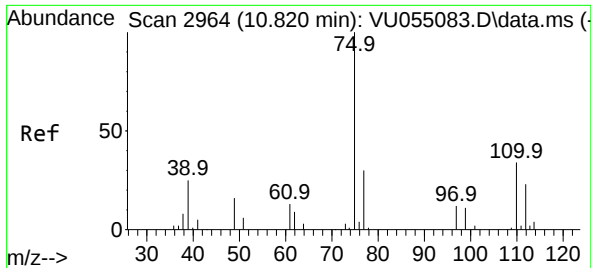
Tgt Ion:104 Resp: 24090

Ion Ratio Lower Upper

104 100

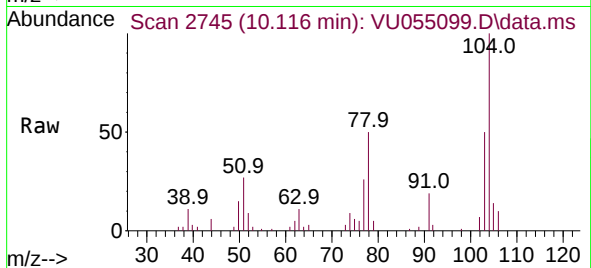
78 50.1 32.8 61.0





#61
1,2,3-Trichloropropane
Concen: 0.179 ug/L
RT: 10.116 min Scan# 21
Delta R.T. -0.704 min
Lab File: VU055099.D
Acq: 05 Sep 2023 17:13

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 1160
Ion Ratio Lower Upper
75 100
110 0.0 28.2 42.2#
77 575.3 26.2 39.4#

