

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039643.D
 Acq On : 23 Jul 2020 18:19
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

sam
 7/30/2020 2:58:27 AM

Quant Time: Jul 24 03:12:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 02:44:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	197437	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	187981	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	87636	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	54575	42.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.92%
7) Chloroethane-d5	1.92	69	62519	40.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.18%
11) 1,1-Dichloroethene-d2	2.58	63	88872	32.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.32%
21) 2-Butanone-d5	4.65	46	135134	91.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.07%
24) Chloroform-d	5.08	84	120608	41.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.46%
26) 1,2-Dichloroethane-d4	5.72	65	90834	43.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.94%
32) Benzene-d6	5.74	84	236004	45.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.44%
36) 1,2-Dichloropropane-d6	6.71	67	77897	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.02%
41) Toluene-d8	7.91	98	218908	44.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.14%
43) trans-1,3-Dichloropropene-	8.19	79	36341	42.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.12%
47) 2-Hexanone-d5	8.64	63	85898	92.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.00%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	117551	43.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.74%
64) 1,2-Dichlorobenzene-d4	12.19	152	86432	45.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2521	1.875 ug/L	97
3) Chloromethane	1.53	50	3118	2.231 ug/L	86
5) Vinyl chloride	1.61	62	3061	2.156 ug/L	86
6) Bromomethane	1.87	94	2547	2.387 ug/L	99
8) Chloroethane	1.94	64	2620	2.075 ug/L	100
9) Trichlorofluoromethane	2.15	101	4430	1.766 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2842	2.353 ug/L #	75
12) 1,1-Dichloroethene	2.59	96	2930	2.601 ug/L #	1
13) Acetone	2.66	43	3741	3.788 ug/L	100
14) Carbon disulfide	2.81	76	6941	1.926 ug/L #	94
15) Methyl Acetate	2.97	43	3599m	2.034 ug/L	
16) Methylene chloride	3.06	84	2676	1.984 ug/L	89
17) trans-1,2-Dichloroethene	3.38	96	2411	1.924 ug/L	89
18) Methyl tert-butyl Ether	3.38	73	7466	1.843 ug/L #	76
19) 1,1-Dichloroethane	3.90	63	4254	1.739 ug/L #	85
20) cis-1,2-Dichloroethene	4.69	96	2470	1.724 ug/L	77
22) 2-Butanone	4.73	43	6053	4.349 ug/L #	72

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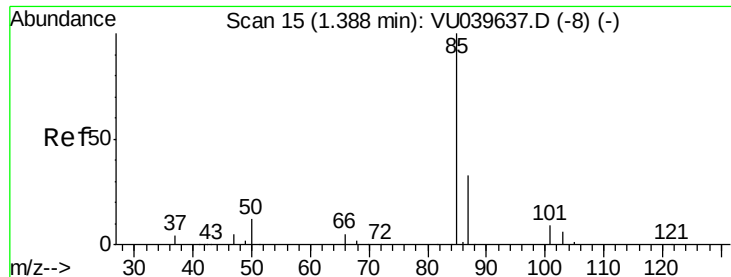
sam
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	5.00	128	1553m	2.157	ug/L	
25) Chloroform	5.11	83	9890	3.646	ug/L	83
27) 1,2-Dichloroethane	5.81	62	4552	2.024	ug/L #	92
29) Cyclohexane	5.40	56	4141	2.028	ug/L	96
30) 1,1,1-Trichloroethane	5.34	97	4362	1.938	ug/L	97
31) Carbon tetrachloride	5.54	117	3369	1.805	ug/L	92
33) Benzene	5.79	78	10456	2.018	ug/L	100
34) Trichloroethene	6.56	95	2522	1.840	ug/L	85
35) Methylcyclohexane	6.77	83	3753	1.771	ug/L #	67
37) 1,2-Dichloropropane	6.80	63	2902	2.069	ug/L #	96
38) Bromodichloromethane	7.12	83	3328	1.787	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	3746	1.787	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	9460	3.871	ug/L #	96
42) Toluene	7.98	91	10489	1.841	ug/L	91
44) trans-1,3-Dichloropropene	8.22	75	3833	1.867	ug/L	94
45) 1,1,2-Trichloroethane	8.41	97	2684	2.007	ug/L	93
46) Tetrachloroethene	8.56	164	1519m	1.465	ug/L	
48) 2-Hexanone	8.69	43	10940	5.494	ug/L	92
49) Dibromochloromethane	8.82	129	2655	1.758	ug/L	86
50) 1,2-Dibromoethane	8.93	107	2891	1.943	ug/L #	98
51) Chlorobenzene	9.45	112	6683	1.838	ug/L	93
52) Ethylbenzene	9.57	91	11051	1.755	ug/L	100
53) m,p-Xylene	9.70	106	4031	1.698	ug/L	96
54) o-xylene	10.10	106	4266	1.873	ug/L	88
55) Styrene	10.11	104	6053	1.536	ug/L	93
56) Isopropylbenzene	10.48	105	10420	1.685	ug/L	95
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	5377	2.205	ug/L #	88
59) 1,2,3-Trichloropropane	10.83	75	3893m	1.913	ug/L	
61) Bromoform	10.29	173	1573	1.517	ug/L #	80
62) 1,3-Dichlorobenzene	11.74	146	4867	1.813	ug/L	93
63) 1,4-Dichlorobenzene	11.83	146	5148	1.914	ug/L	92
65) 1,2-Dichlorobenzene	12.20	146	5756	2.122	ug/L #	89
66) 1,2-Dibromo-3-chloropropan	12.99	75	924m	1.703	ug/L	
67) 1,3,5-Trichlorobenzene	13.21	180	3273	1.691	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	2742	1.669	ug/L	96
69) Naphthalene	14.08	128	8244	1.673	ug/L #	87
70) 1,2,3-Trichlorobenzene	14.32	180	2931	1.766	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 1.875 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tot Ion: 85 Resp: 2521

Ion Ratio Lower Upper

85 100

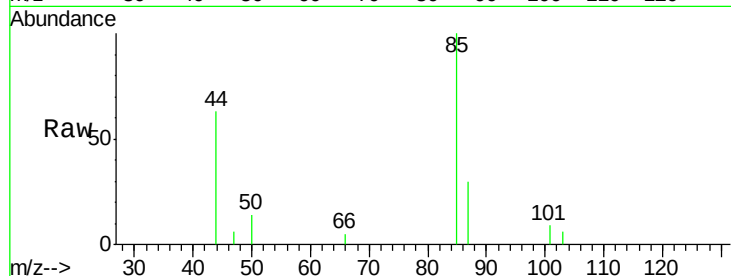
87 30.9 26.2 39.4

Manual Integrations

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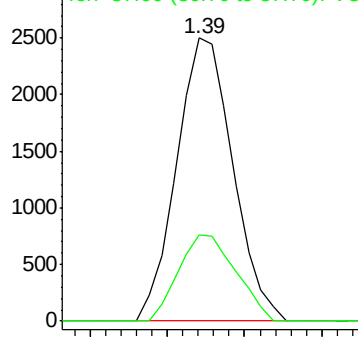
sam

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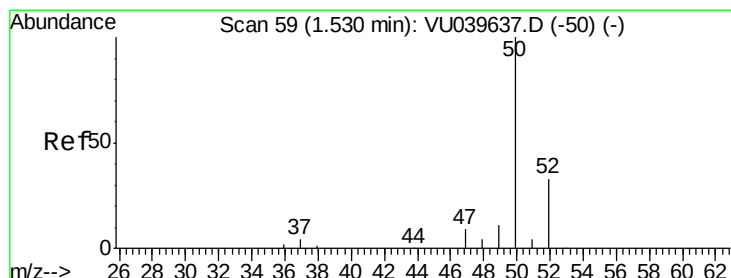
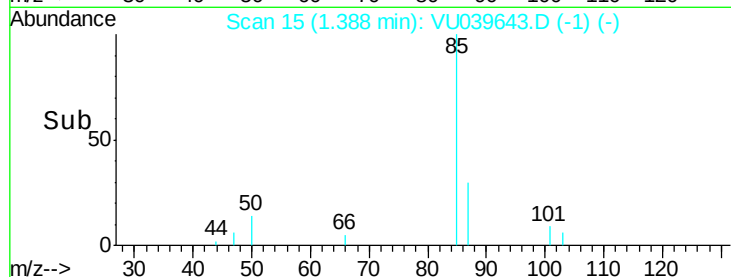


Abundance Ion 85.00 (84.70 to 85.70): VU039643.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039643.D (-8) (-)



Time-->



#3

Chloromethane

Concen: 2.231 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039643.D

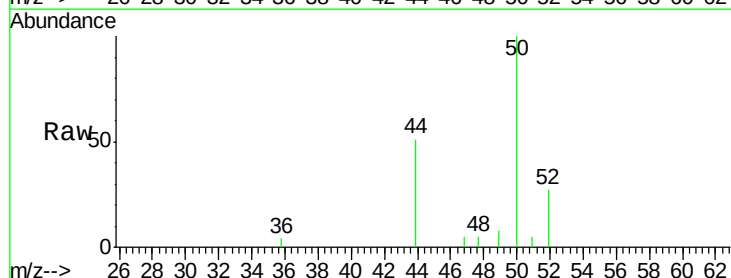
Acq: 23 Jul 2020 18:19

Tgt Ion: 50 Resp: 3118

Ion Ratio Lower Upper

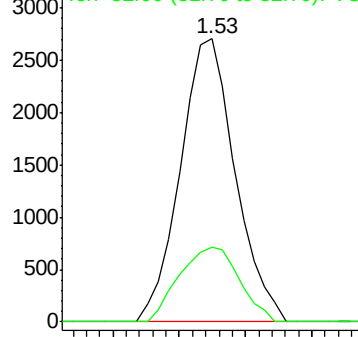
50 100

52 26.5 24.0 44.6

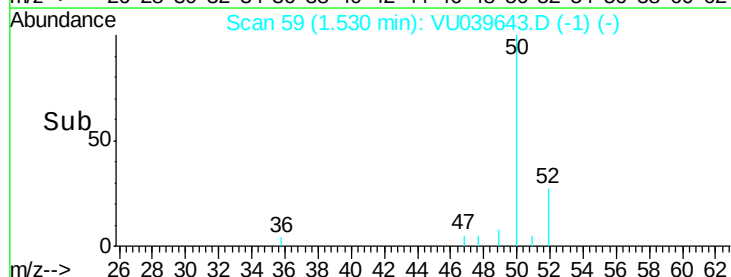


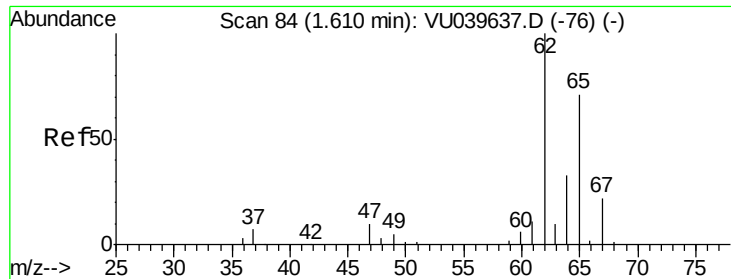
Abundance Ion 50.00 (49.70 to 50.70): VU039643.D (-50) (-)

Ion 52.00 (51.70 to 52.70): VU039643.D (-50) (-)



Time-->





#5

Vinyl chloride

Concen: 2.156 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

ClientSampled :

MDL04

Tot Ion: 62 Resp: 3061

Ion Ratio Lower Upper

62 100

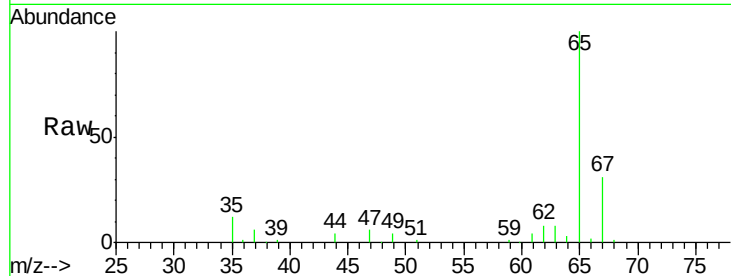
64 40.3 22.8 42.4

Manual Integrations

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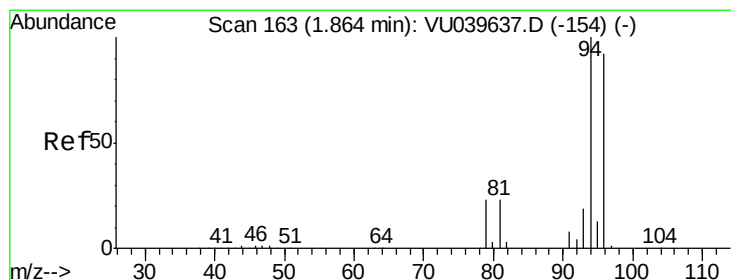
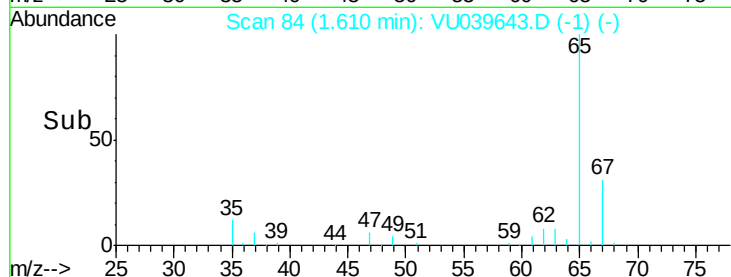
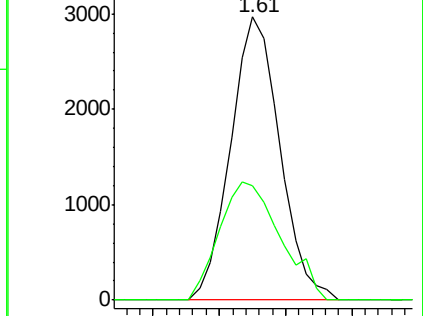
sam

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Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 2.387 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039643.D

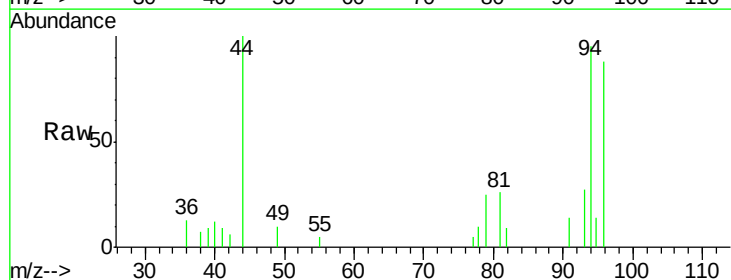
Acq: 23 Jul 2020 18:19

Tgt Ion: 94 Resp: 2547

Ion Ratio Lower Upper

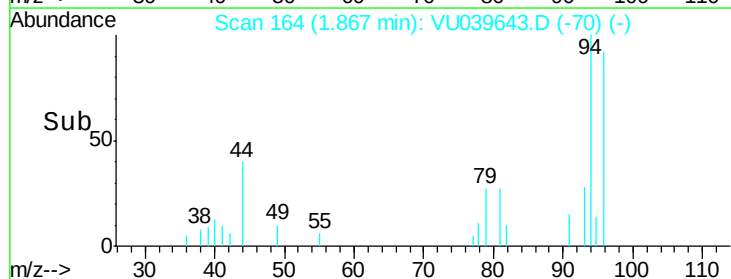
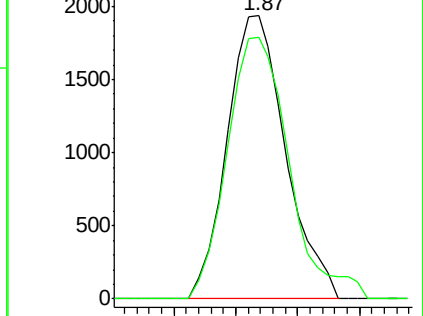
94 100

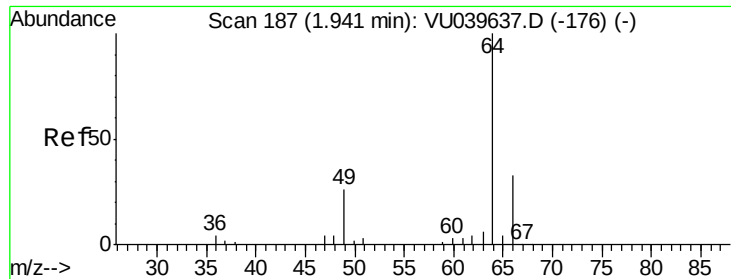
96 92.5 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 2.075 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tot Ion: 64 Resp: 2620

Ion Ratio Lower Upper

64 100

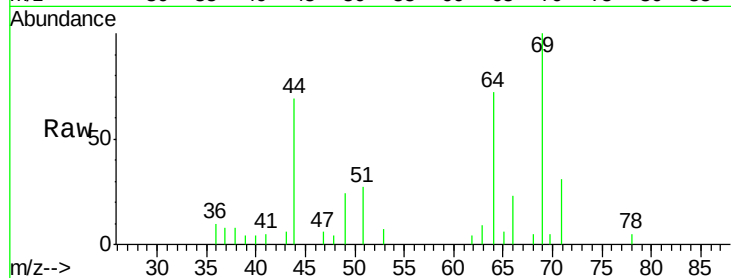
66 32.4 22.7 42.1

Manual Integrations

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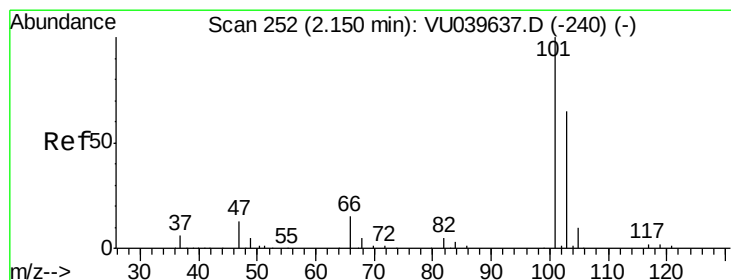
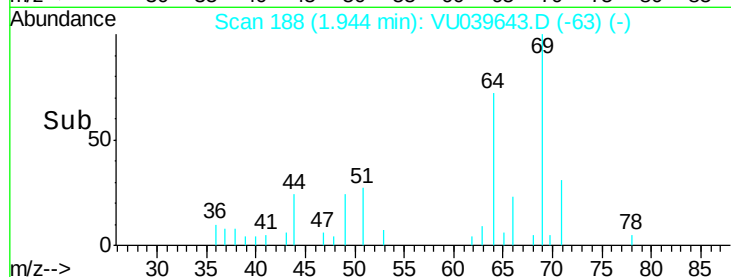
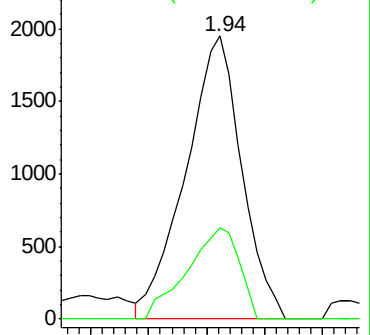
sam

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Abundance Ion 64.00 (63.70 to 64.70): VU039643.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU039643.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 1.766 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU039643.D

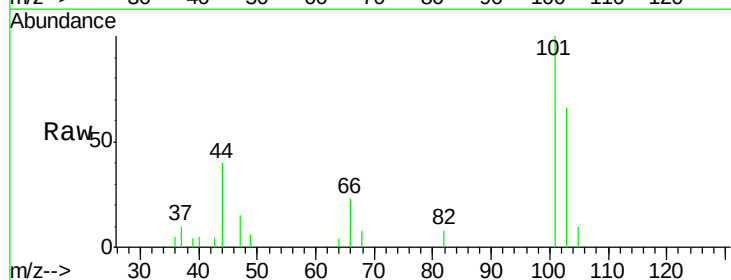
Acq: 23 Jul 2020 18:19

Tgt Ion: 101 Resp: 4430

Ion Ratio Lower Upper

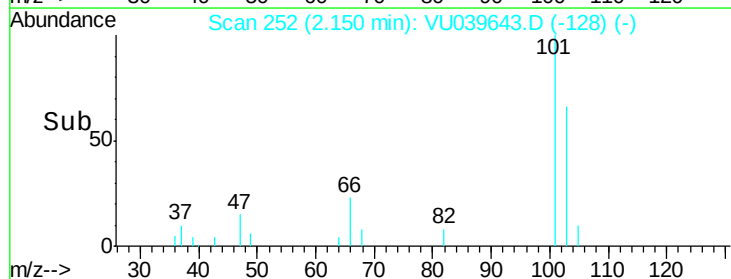
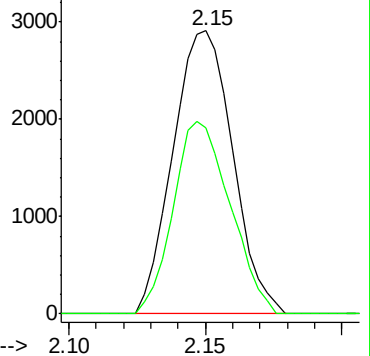
101 100

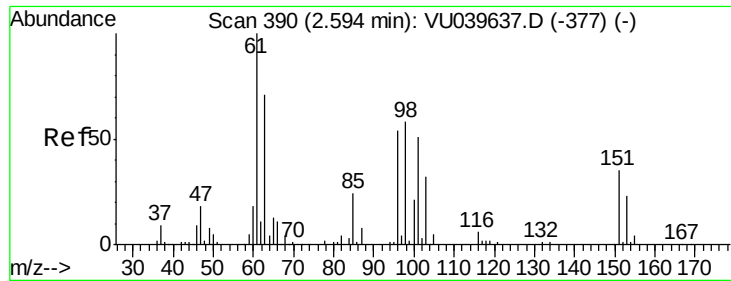
103 64.7 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): VU039643.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU039643.D (-240) (-)





#10

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

Concen: 2.353 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

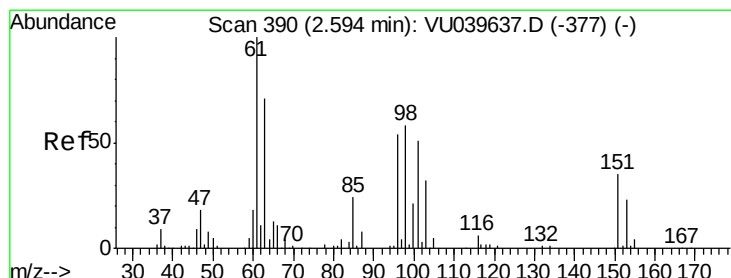
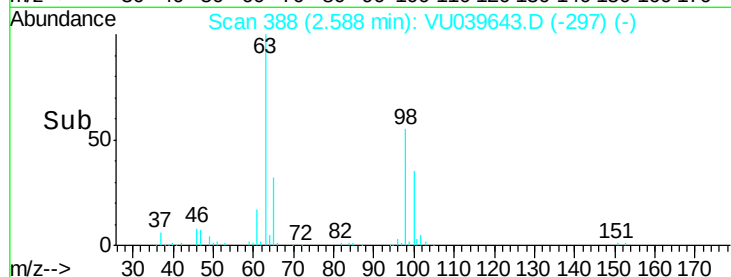
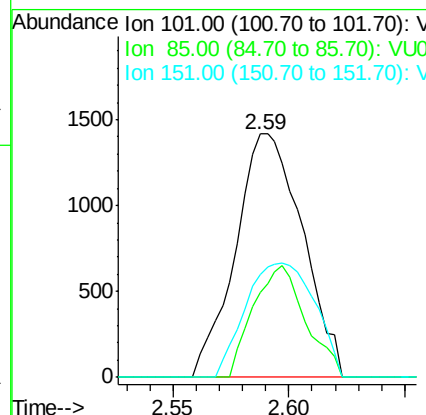
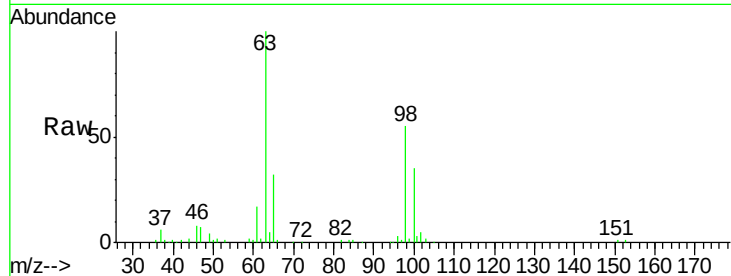
ClientSampled :

MDL04

Tot Ion:	101	Resp:	2842
Ion Ratio	Lower	Upper	
101	100		
85	35.8	39.7	59.5#
151	48.6	57.4	86.2#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.601 ug/L

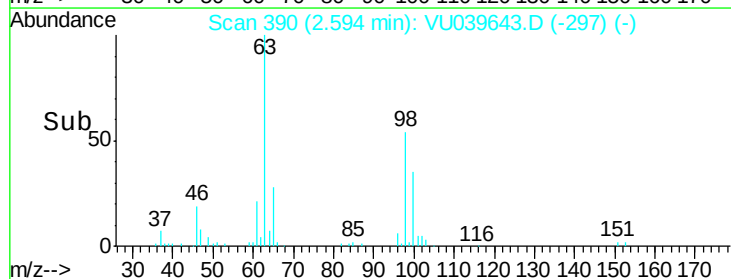
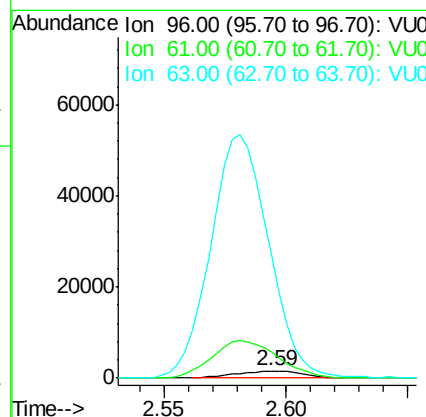
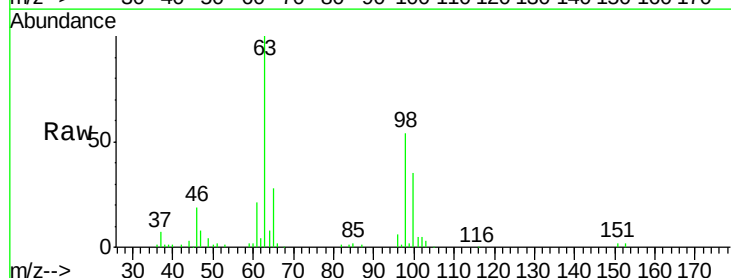
RT: 2.59 min Scan# 390

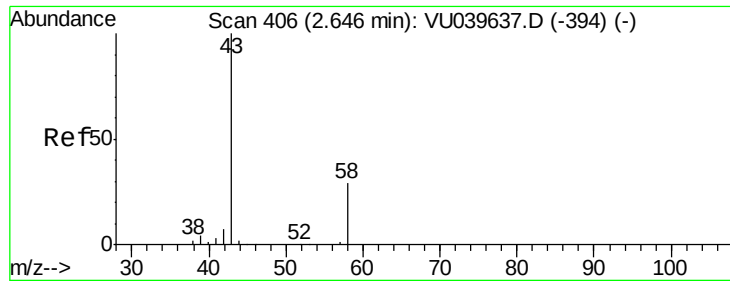
Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Tgt Ion:	96	Resp:	2930
Ion Ratio	Lower	Upper	
96	100		
61	368.9	136.6	253.6#
63	1762.1	97.2	180.6#





#13

Acetone

Concen: 3.788 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tot Ion: 43 Resp: 3741

Ion Ratio Lower Upper

43 100

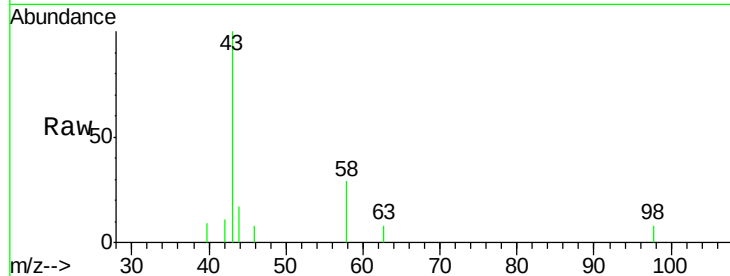
58 29.5 0.0 59.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU039637.D (-394) (-)

Ion 58.00 (57.70 to 58.70): VU039637.D (-394) (-)

2.66

2000

1500

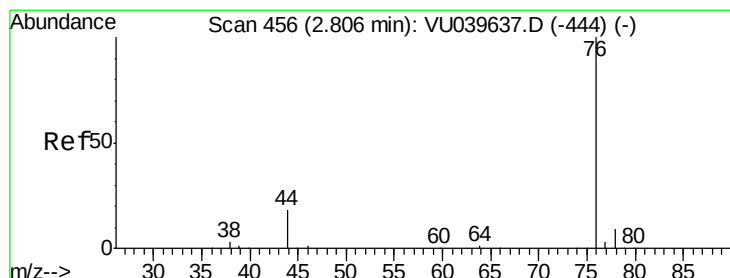
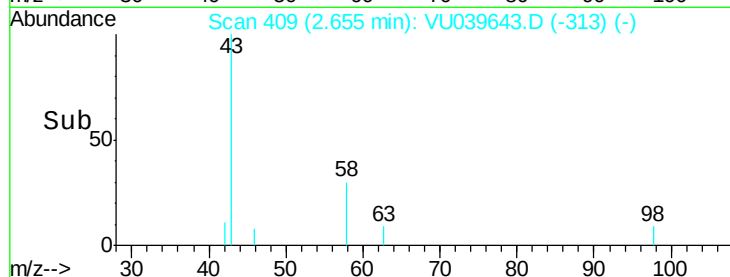
1000

500

0

2.60 2.65 2.70

Time-->



#14

Carbon disulfide

Concen: 1.926 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039643.D

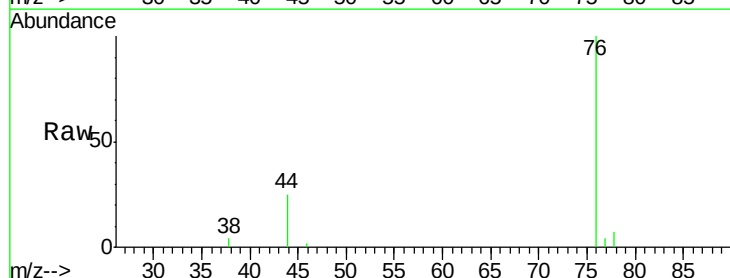
Acq: 23 Jul 2020 18:19

Tgt Ion: 76 Resp: 6941

Ion Ratio Lower Upper

76 100

78 6.9 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VU039637.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU039637.D (-444) (-)

2.81

5000

4000

3000

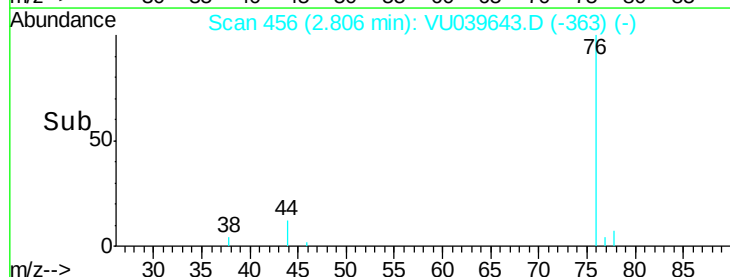
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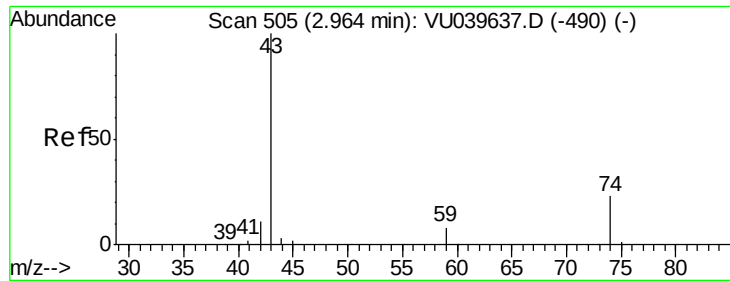
1000

0

2.75 2.80 2.85

Time-->





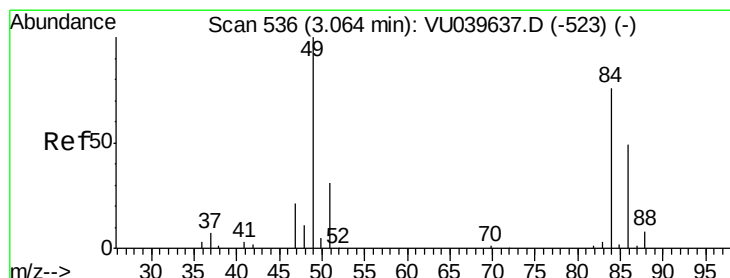
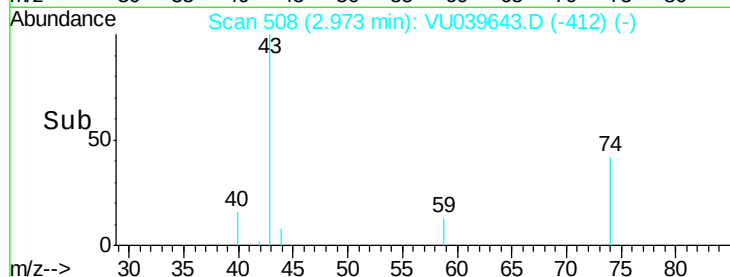
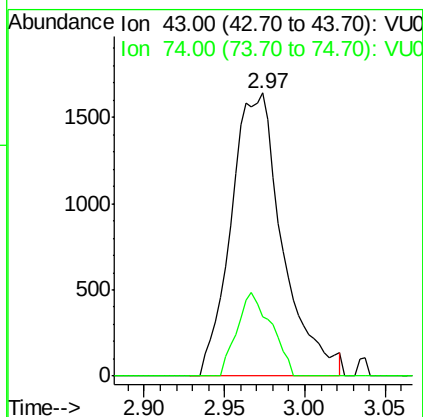
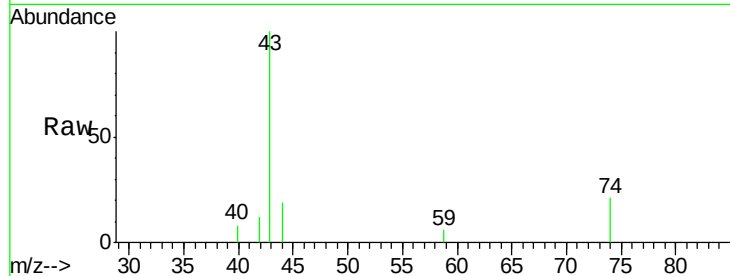
#15
Methvl Acetate
Concen: 2.034 ug/L m
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU039643.D
Acq: 23 Jul 2020 18:19

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tot Ion: 43 Resp: 3599
Ion Ratio Lower Upper
43 100
74 19.6 17.4 26.0

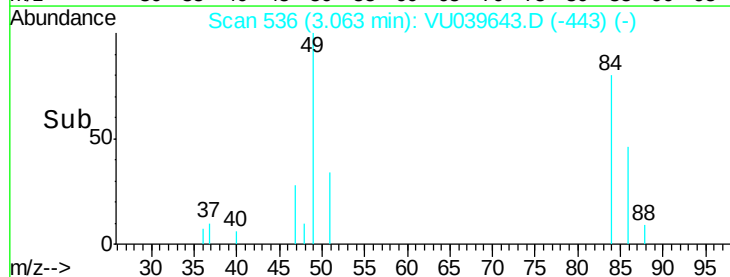
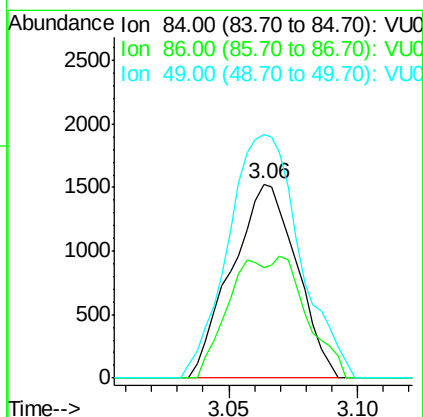
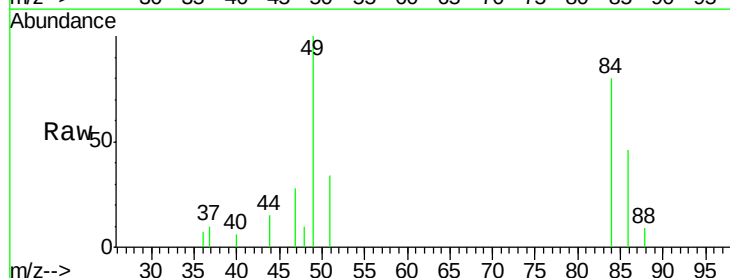
Manual Integrations
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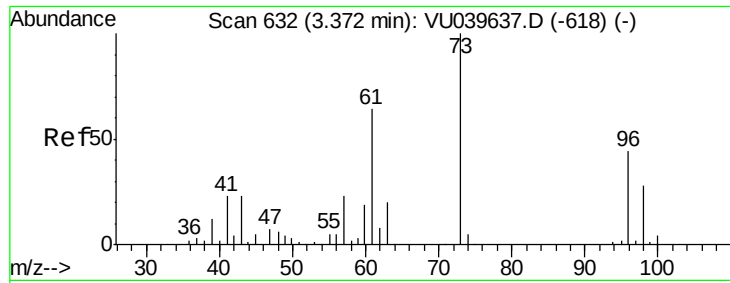
sam
7/30/2020 2:58:27 AM



#16
Methylene chloride
Concen: 1.984 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 18:19

Tgt Ion: 84 Resp: 2676
Ion Ratio Lower Upper
84 100
86 57.2 46.2 85.8
49 125.5 97.3 180.7





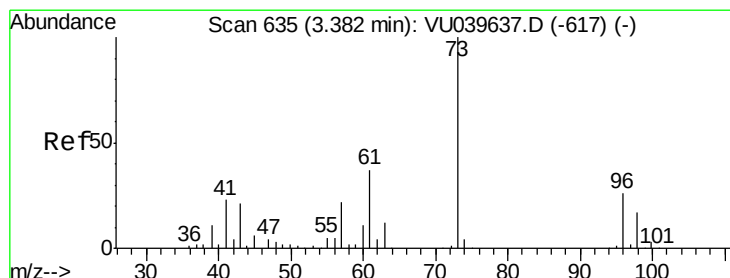
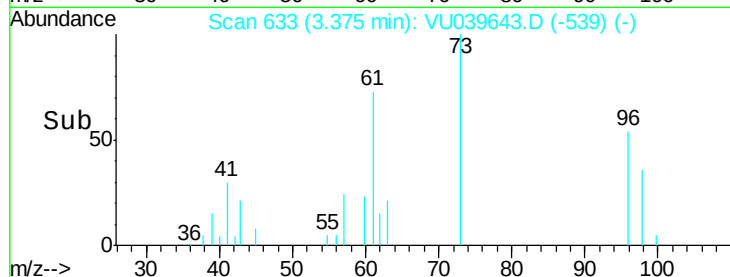
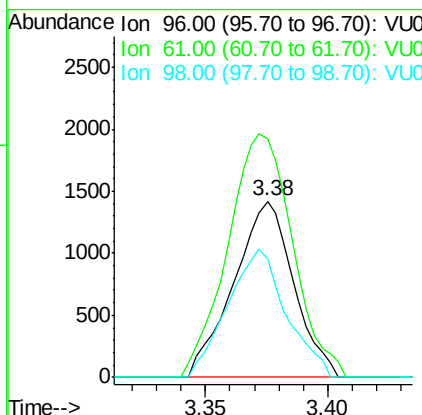
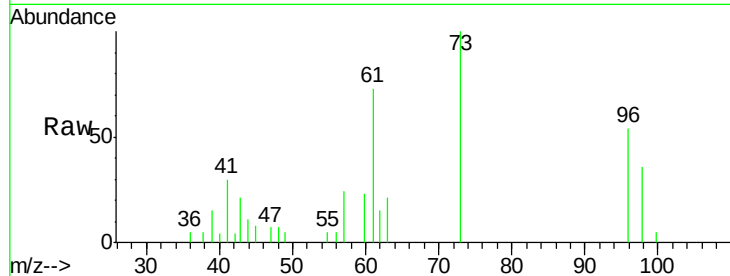
#17
trans-1,2-Dichloroethene
Concen: 1.924 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 18:19

Instrument :
MSVOA_U
ClientSampled :
MDL04

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	135.4	106.7	198.1	
98	67.3	44.3	82.3	

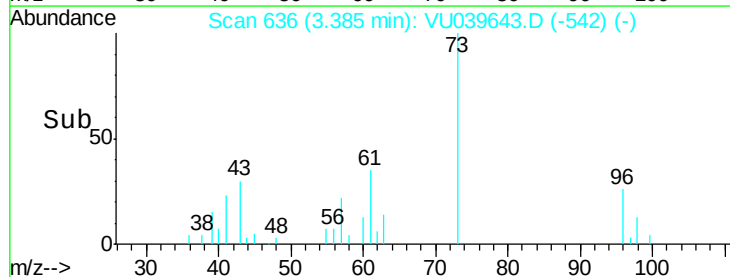
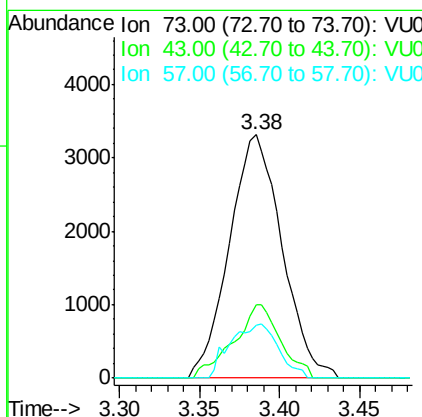
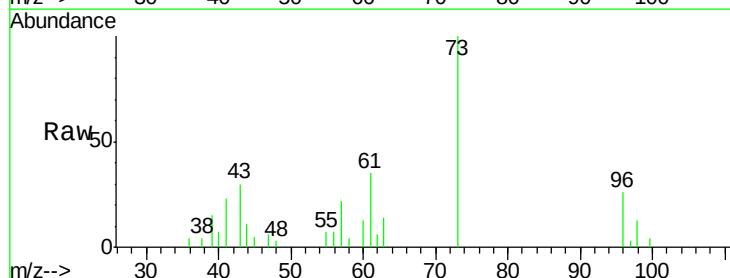
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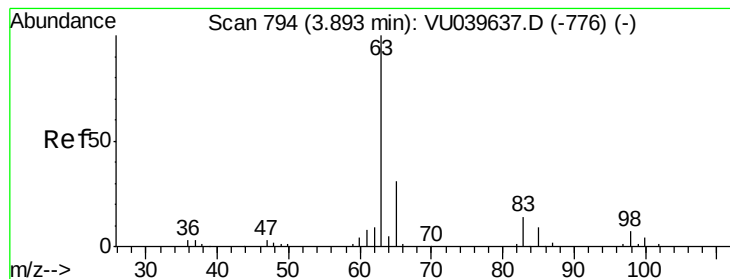
sam
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#18
Methyl tert-butyl Ether
Concen: 1.843 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 18:19

Tgt Ion	Ion	Ratio	Lower	Upper
73	100			
43	26.8	18.2	27.2	
57	2.7	17.4	26.2#	





#19

1,1-Dichloroethane

Concen: 1.739 ug/L

RT: 3.90 min Scan# 795

Delta R.T. 0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

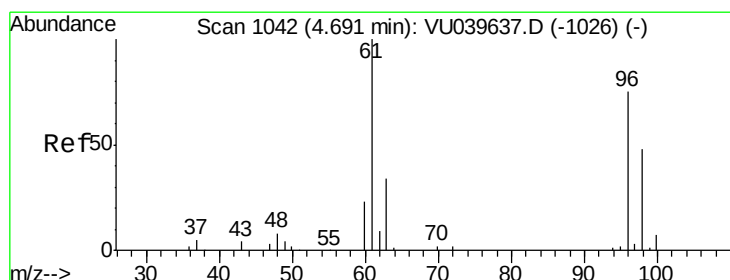
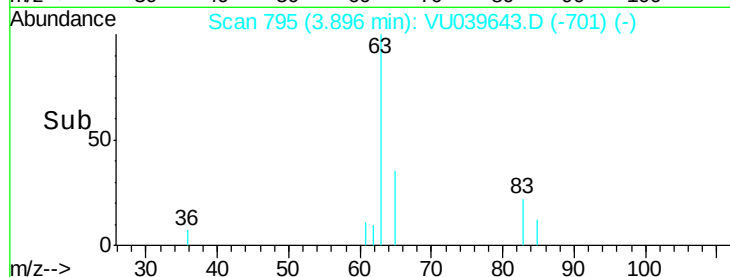
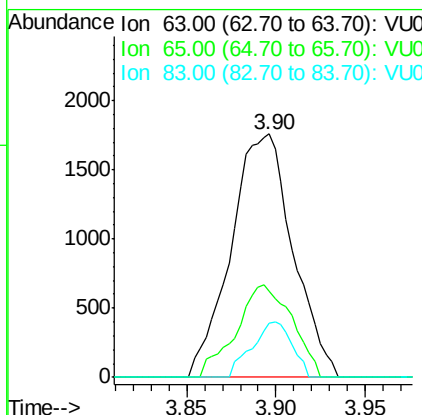
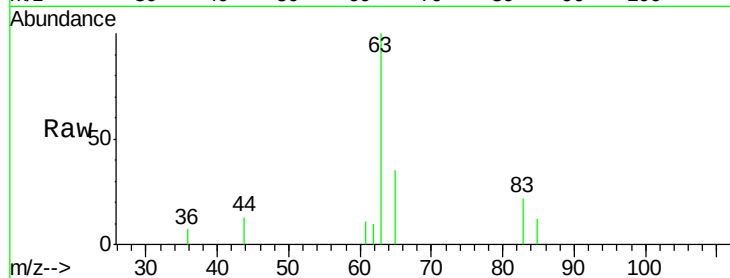
ClientSampleId :

MDL04

Tot Ion:	63	Resp:	4254
Ion	Ratio	Lower	Upper
63	100		
65	35.4	20.4	38.0
83	22.3	9.7	18.1#

Manual Integrations
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#20

cis-1,2-Dichloroethene

Concen: 1.724 ug/L

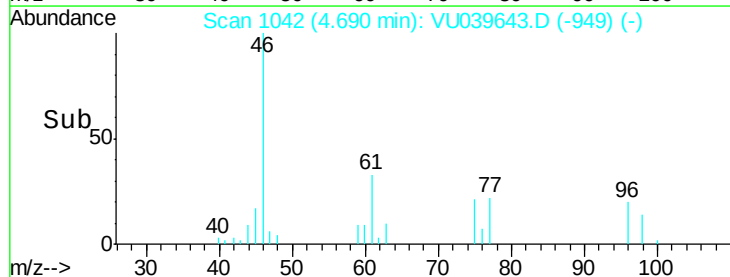
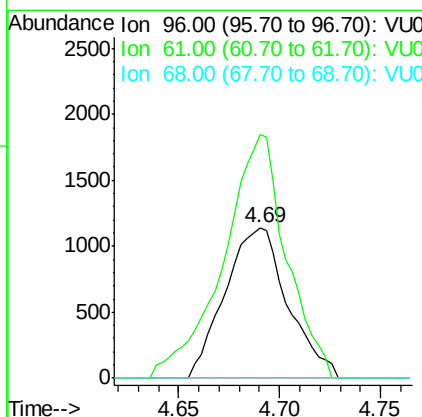
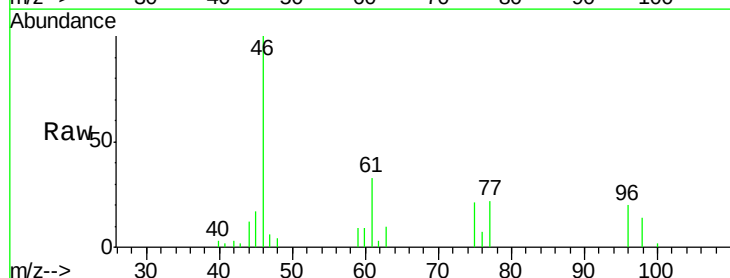
RT: 4.69 min Scan# 1042

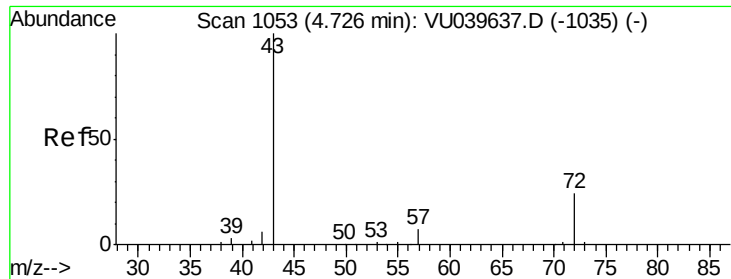
Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Tgt Ion:	96	Resp:	2470
Ion	Ratio	Lower	Upper
96	100		
61	161.9	94.0	174.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.349 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

ClientSampled :

MDL04

Tot Ion: 43 Resp: 6053

Ion Ratio Lower Upper

43 100

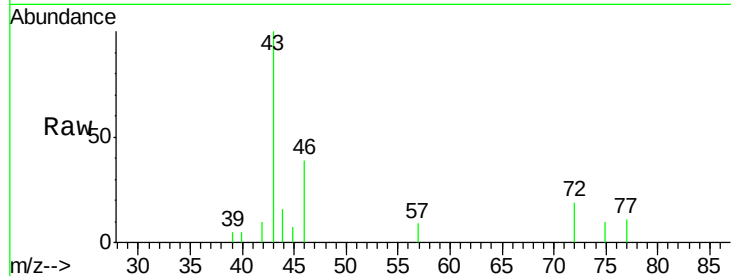
72 11.3 12.8 38.3#

Manual Integrations

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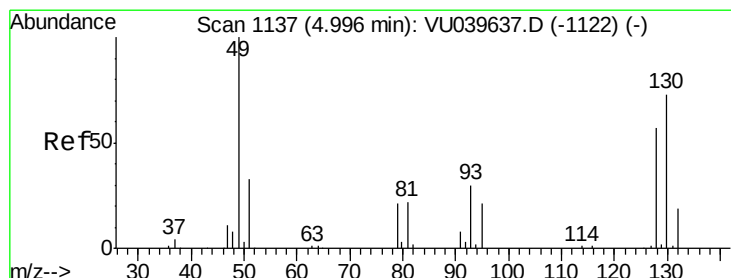
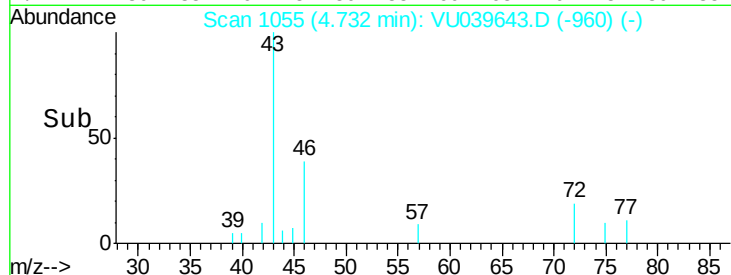
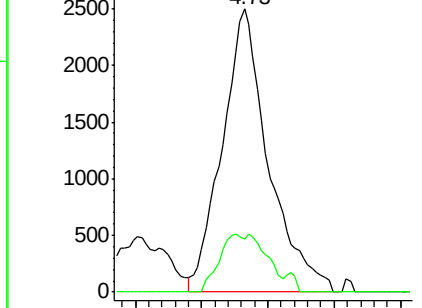
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU039643.D (-960) (-)

Ion 72.00 (71.70 to 72.70): VU039643.D (-960) (-)



#23

Bromochloromethane

Concen: 2.157 ug/L m

RT: 5.00 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Tgt Ion: 128 Resp: 1553

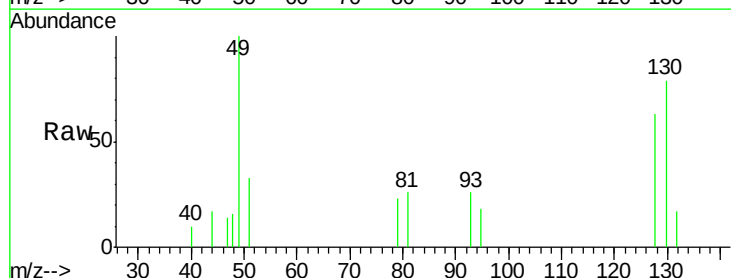
Ion Ratio Lower Upper

128 100

49 159.5 124.5 231.3

130 125.9 94.4 175.2

51 53.0 43.5 65.3

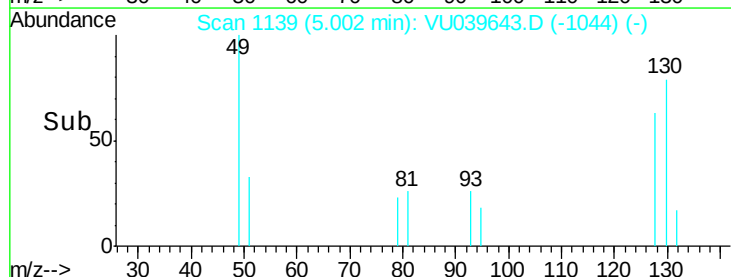
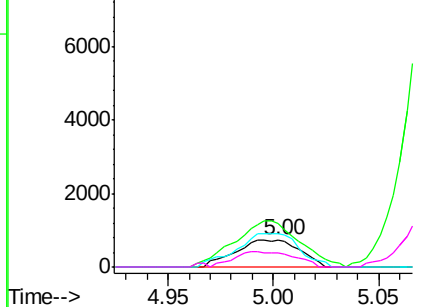


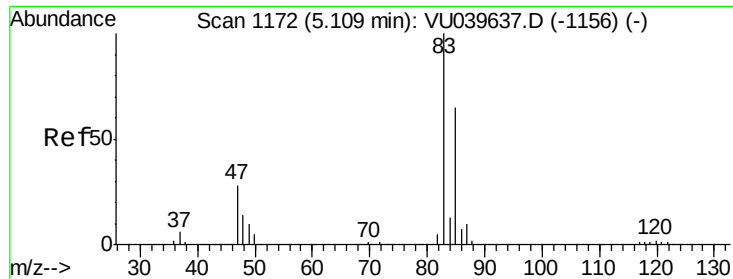
Abundance Ion 128.00 (127.70 to 128.70): VU039643.D (-1044) (-)

Ion 49.00 (48.70 to 49.70): VU039643.D (-1044) (-)

Ion 130.00 (129.70 to 130.70): VU039643.D (-1044) (-)

Ion 51.00 (50.70 to 51.70): VU039643.D (-1044) (-)





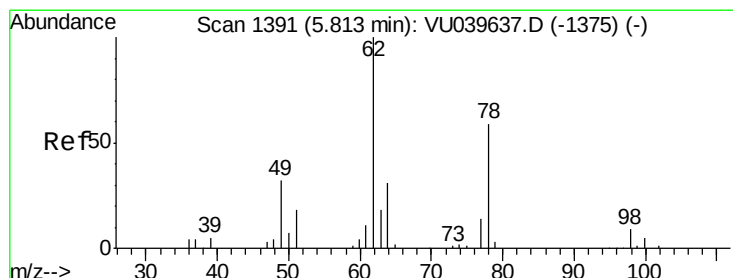
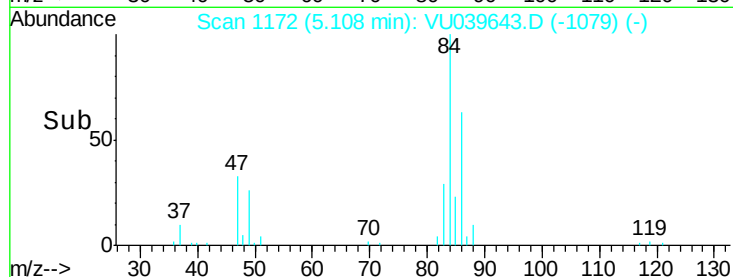
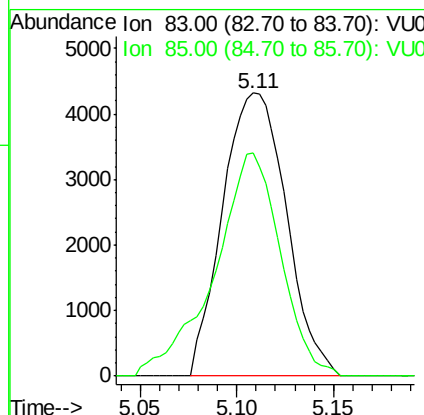
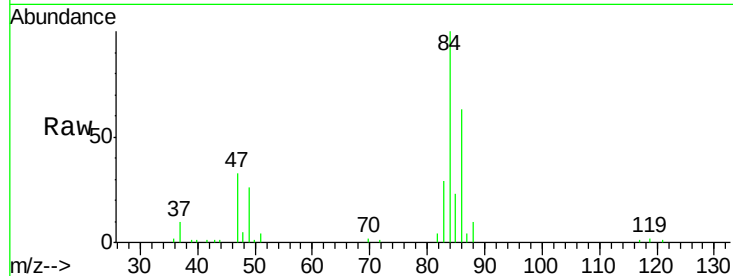
#25
Chloroform
Concen: 3.646 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 18:19

Instrument :
MSVOA_U
ClientSampled :
MDL04

Tot Ion	83	Resp	9890
Ion Ratio	100	Lower	Upper
85	78.8	45.6	84.6

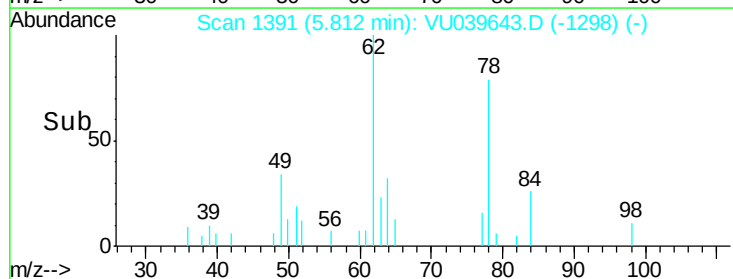
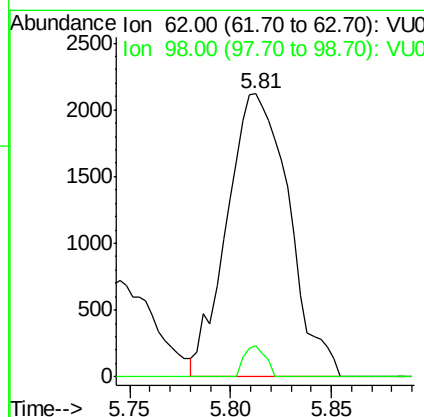
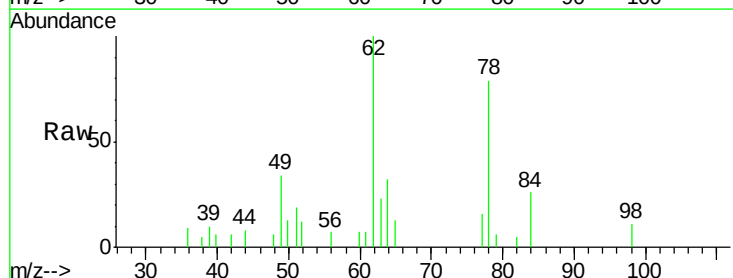
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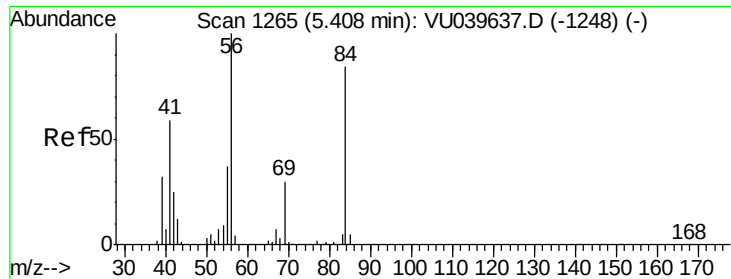
sam
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#27
1,2-Dichloroethane
Concen: 2.024 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 18:19

Tgt Ion	62	Resp	4552
Ion Ratio	100	Lower	Upper
98	10.9	6.4	9.6#





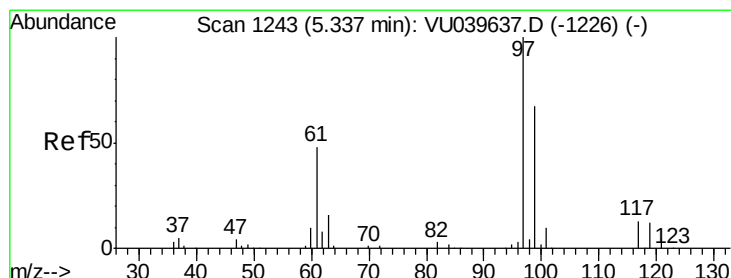
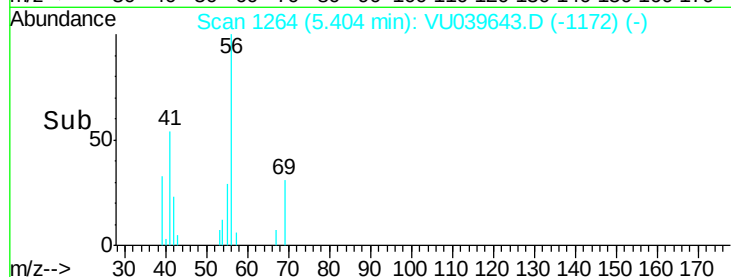
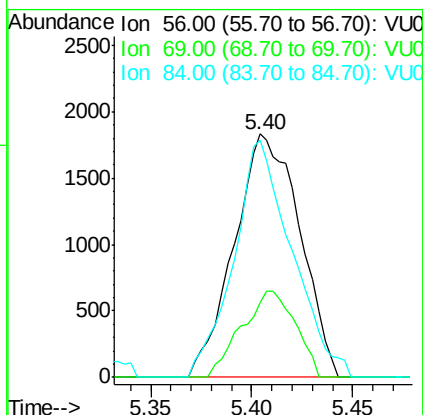
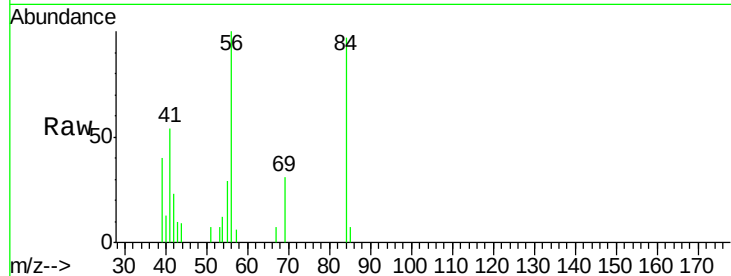
#29
Cyclohexane
Concen: 2.028 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 18:19

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.9	35.9
84	86.5	65.8	98.8

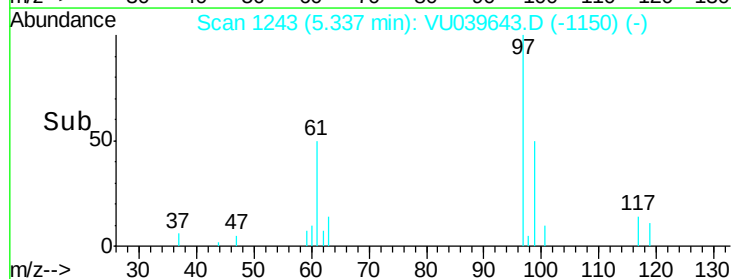
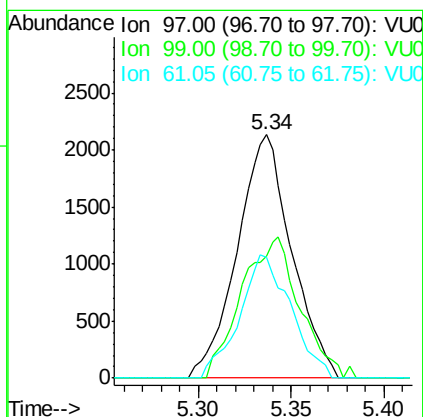
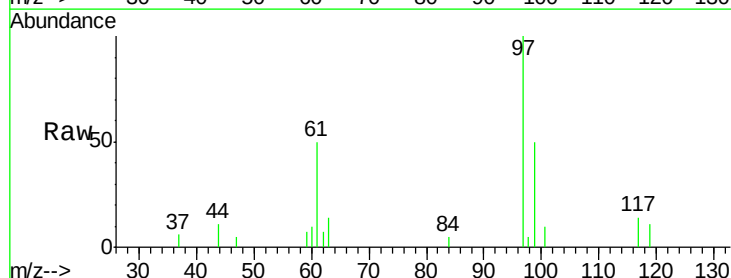
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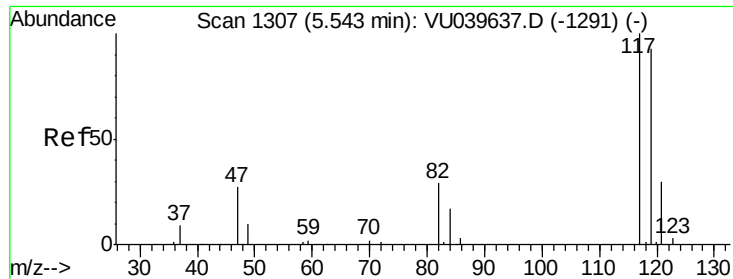
sam
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#30
1,1,1-Trichloroethane
Concen: 1.938 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 18:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.8	50.3	75.5
61	47.8	36.0	54.0





#31

Carbon tetrachloride

Concen: 1.805 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tot Ion:117 Resp: 3369

Ion Ratio Lower Upper

117 100

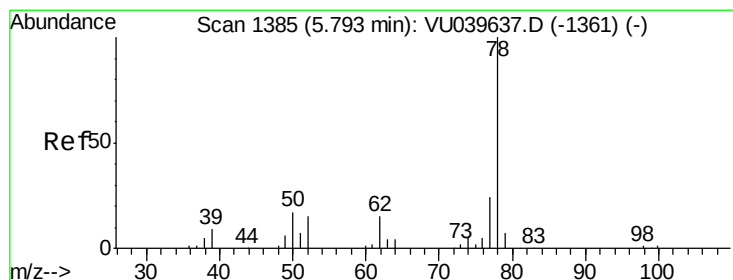
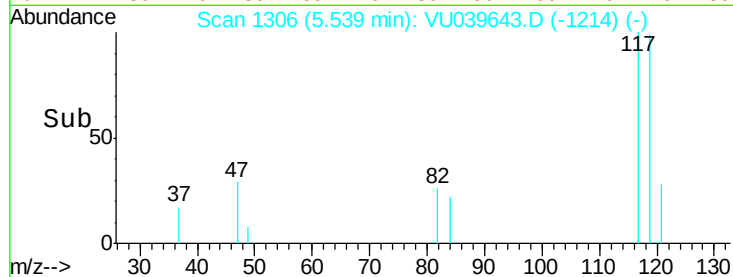
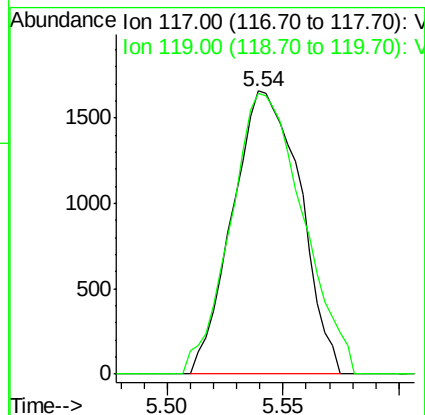
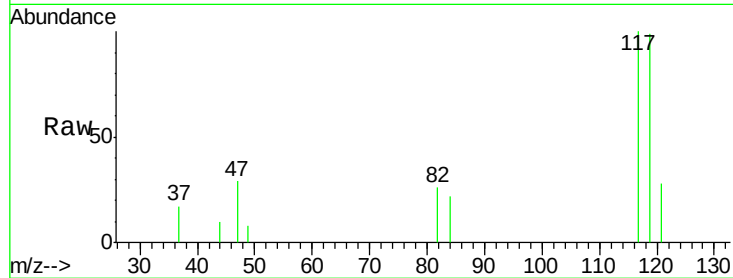
119 105.6 78.2 117.4

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#33

Benzene

Concen: 2.018 ug/L

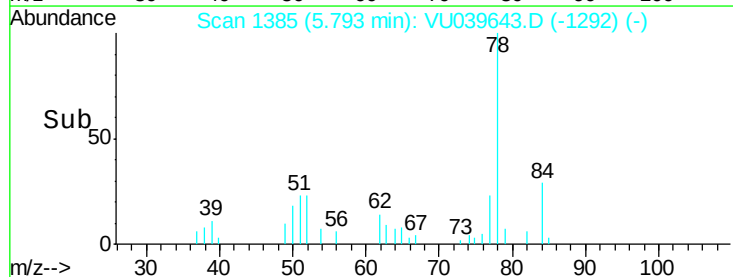
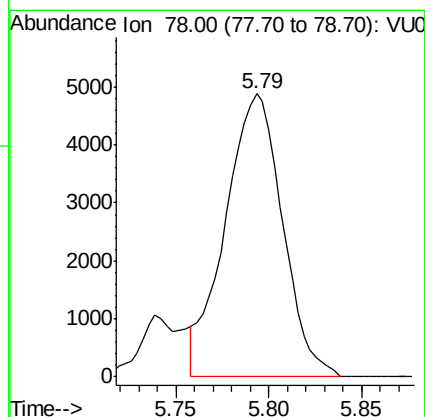
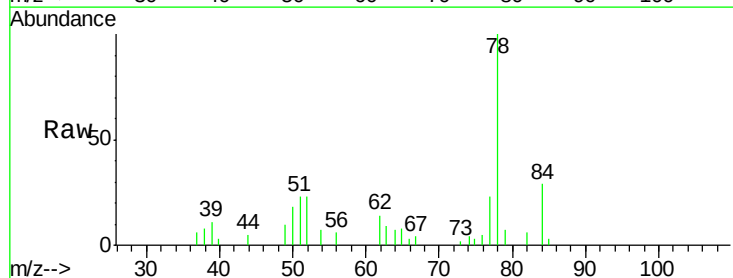
RT: 5.79 min Scan# 1385

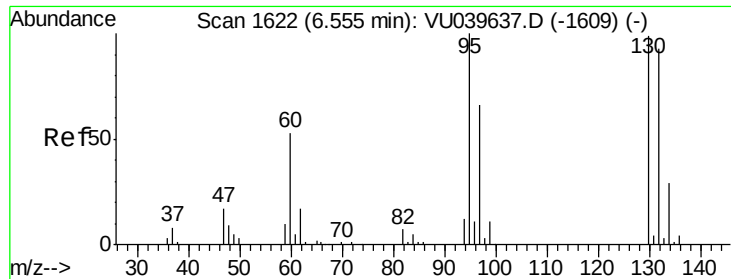
Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Tgt Ion: 78 Resp: 10456





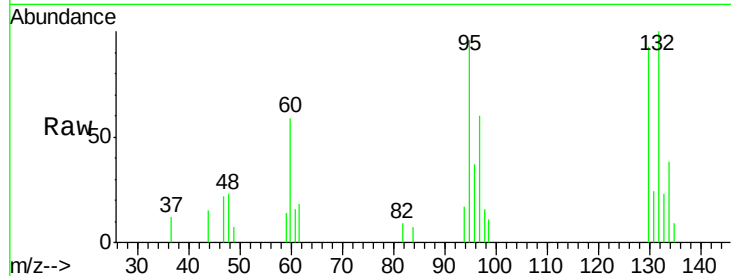
#34
 Trichloroethene
 Concen: 1.840 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

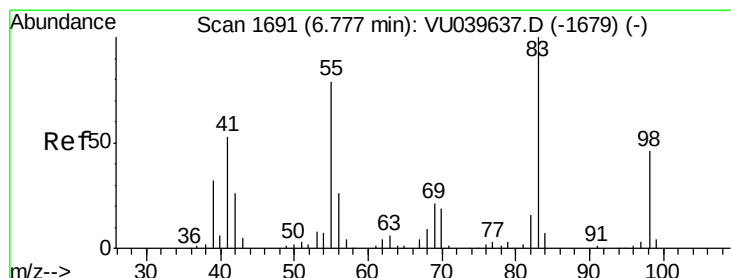
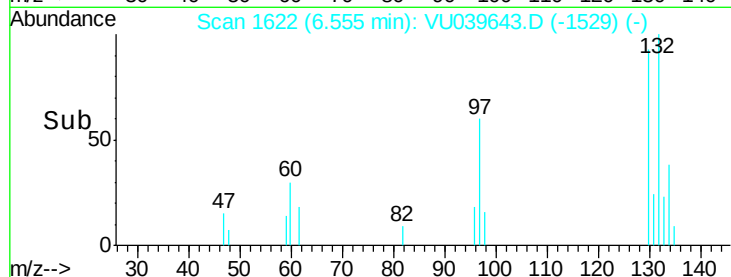
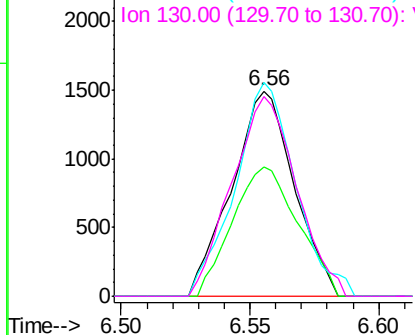
Tot Ion: 95 Resp: 2522
 Ion Ratio Lower Upper
 95 100
 97 63.0 45.5 84.5
 132 104.3 65.0 120.6
 130 122.1 67.9 126.1

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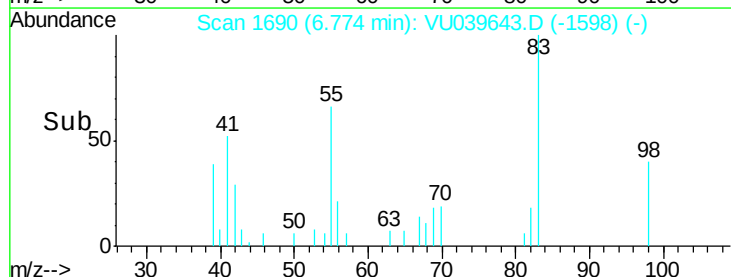
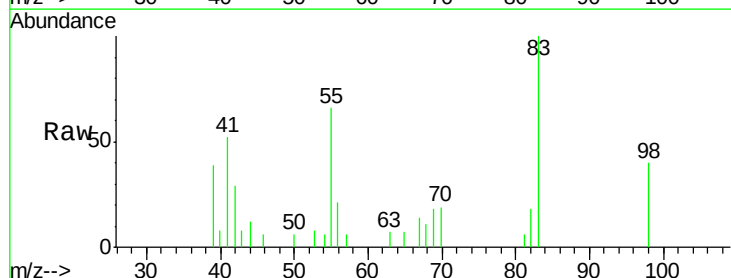
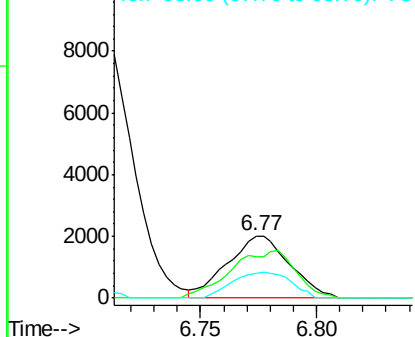
Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

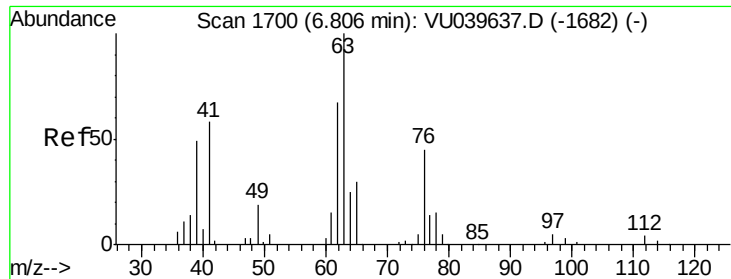


#35
 Methylcyclohexane
 Concen: 1.771 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 18:19

Tgt Ion: 83 Resp: 3753
 Ion Ratio Lower Upper
 83 100
 55 37.7 62.9 94.3#
 98 39.0 36.3 54.5

Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





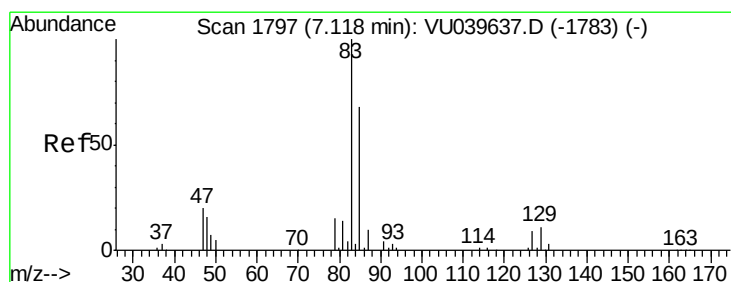
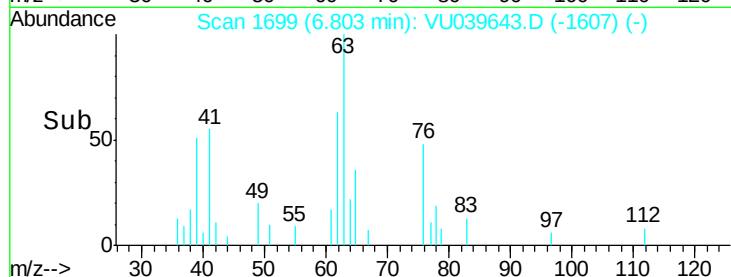
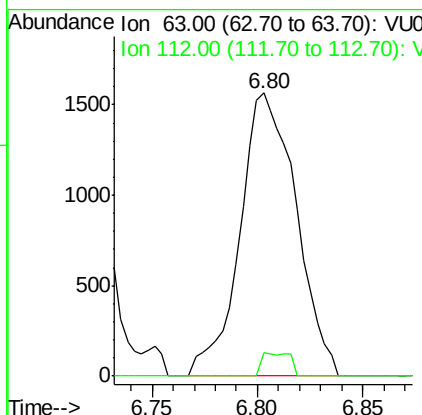
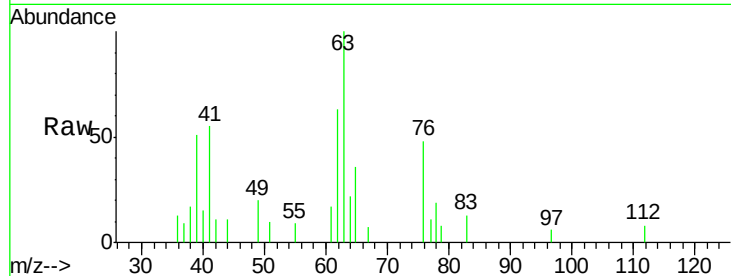
#37
 1,2-Dichloropropane
 Concen: 2.069 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 18:19

Instrument :
 MSVOA_U
 ClientSampled :
 MDL04

Tot Ion: 63 Resp: 2902
 Ion Ratio Lower Upper
 63 100
 112 2.4 3.0 4.4#

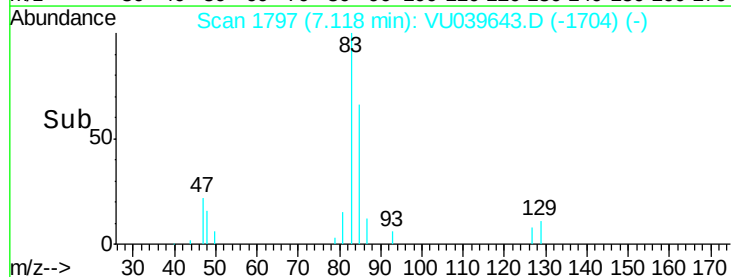
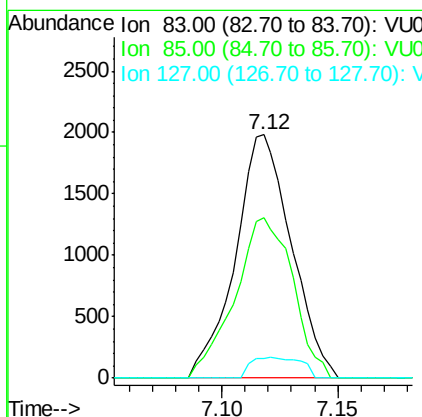
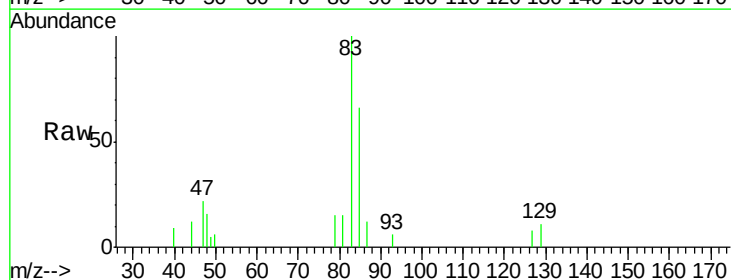
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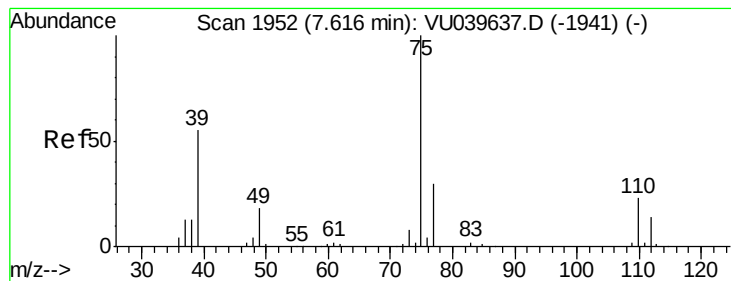
sam
 7/30/2020 2:58:27 AM



#38
 Bromodichloromethane
 Concen: 1.787 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 18:19

Tgt Ion: 83 Resp: 3328
 Ion Ratio Lower Upper
 83 100
 85 66.1 45.9 85.3
 127 8.0 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 1.787 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

ClientSampled :

MDL04

Tot Ion: 75 Resp: 3746

Ion Ratio Lower Upper

75 100

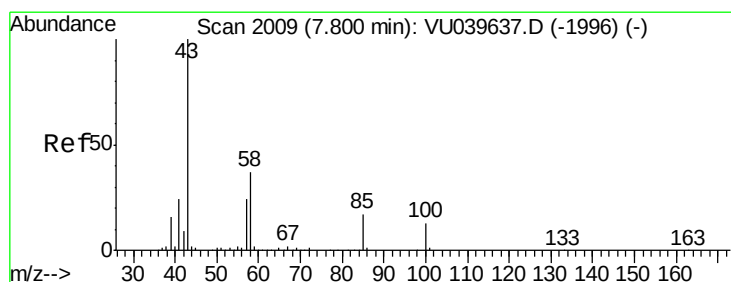
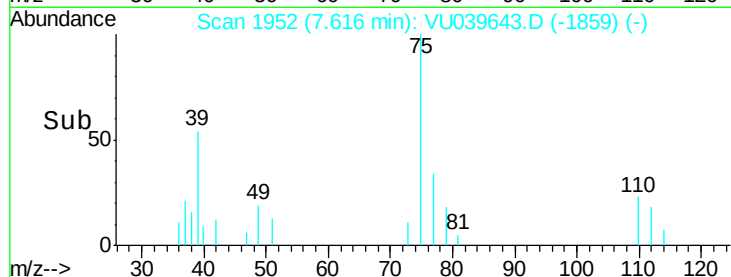
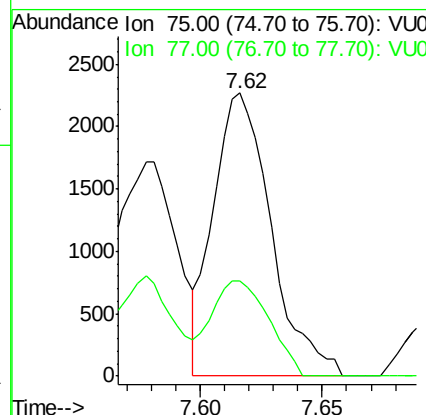
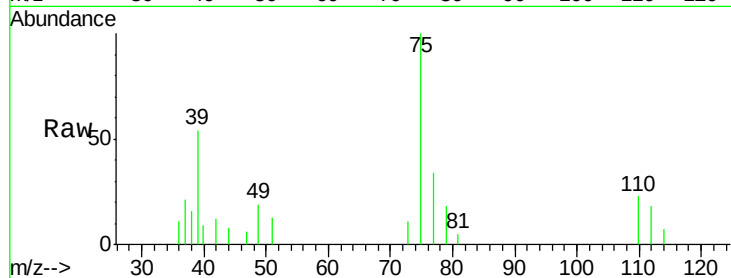
77 33.7 21.8 40.6

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#40

4-Methyl-2-pentanone

Concen: 3.871 ug/L

RT: 7.80 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

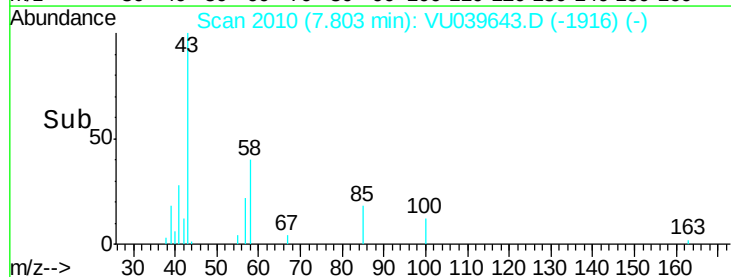
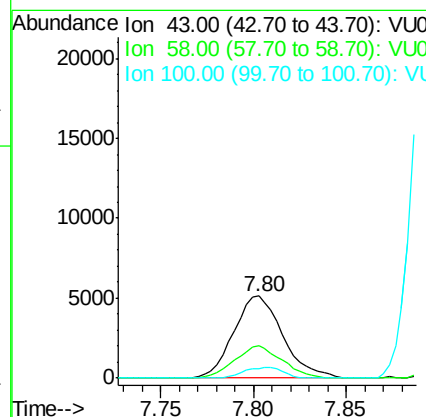
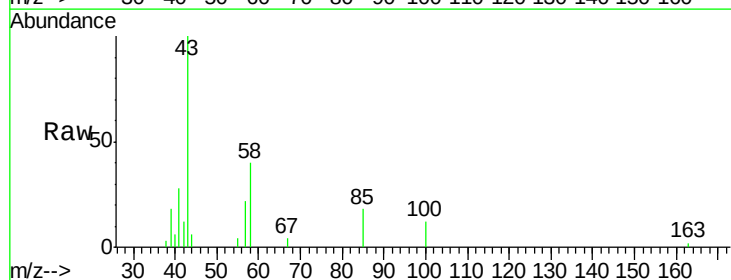
Tgt Ion: 43 Resp: 9460

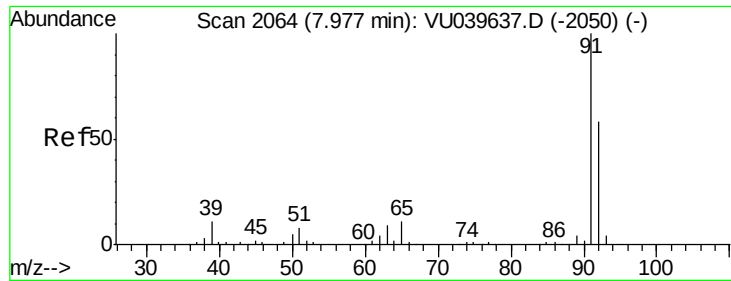
Ion Ratio Lower Upper

43 100

58 37.7 29.1 43.7

100 10.3 10.6 16.0#





#42

Toluene

Concen: 1.841 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 10489

Ion Ratio Lower Upper

91 100

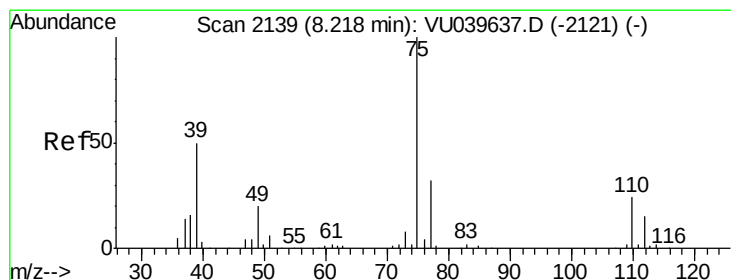
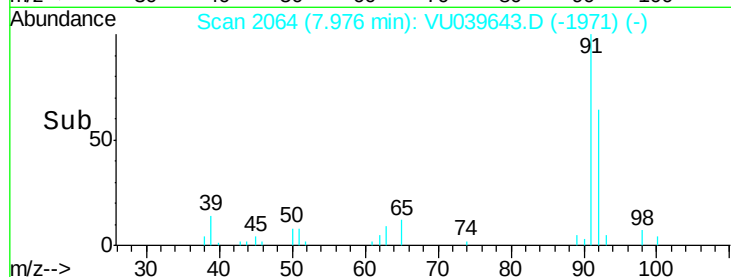
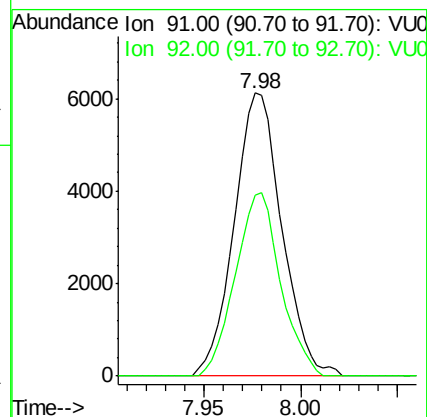
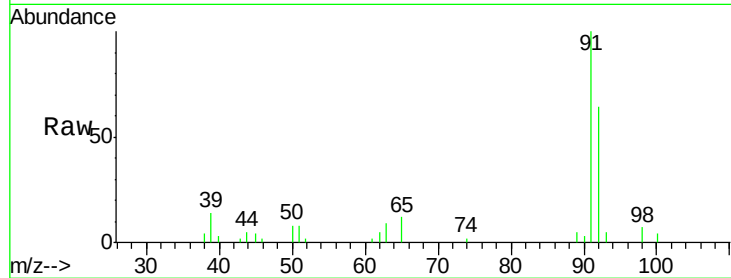
92 63.8 40.1 74.5

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#44

trans-1,3-Dichloropropene

Concen: 1.867 ug/L

RT: 8.22 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VU039643.D

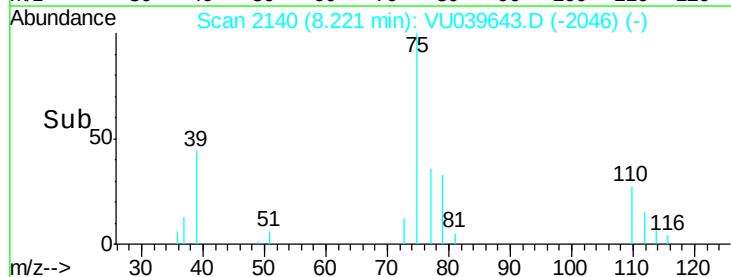
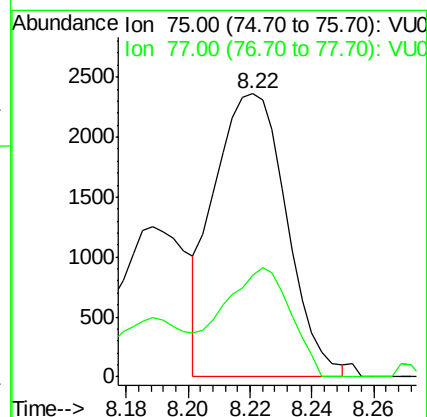
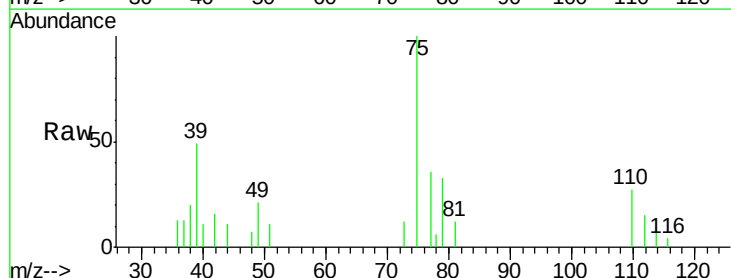
Acq: 23 Jul 2020 18:19

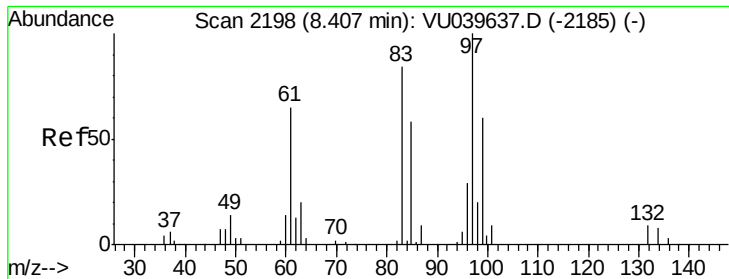
Tgt Ion: 75 Resp: 3833

Ion Ratio Lower Upper

75 100

77 35.7 22.7 42.1





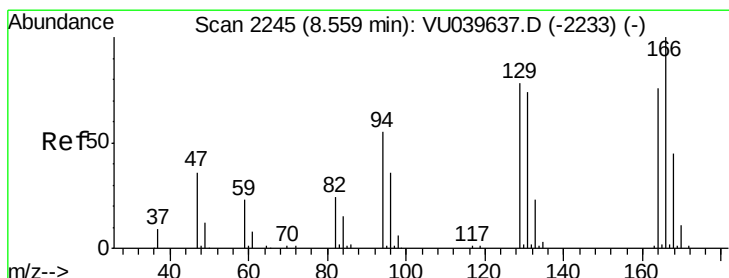
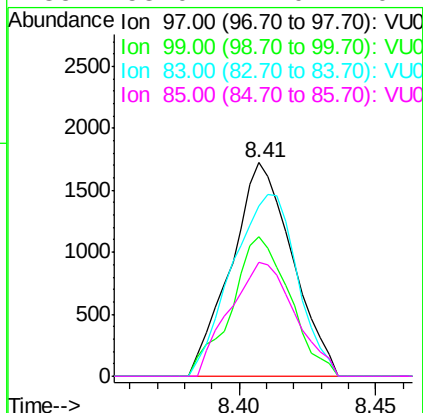
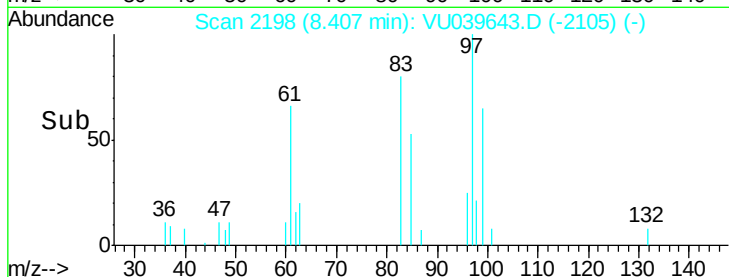
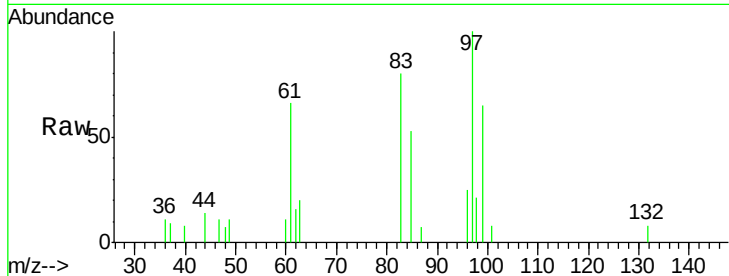
#45
 1,1,2-Trichloroethane
 Concen: 2.007 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tot Ion:	97	Resp:	2684
Ion	Ratio	Lower	Upper
97	100		
99	65.1	45.1	83.9
83	79.9	62.7	116.5
85	53.0	41.0	76.2

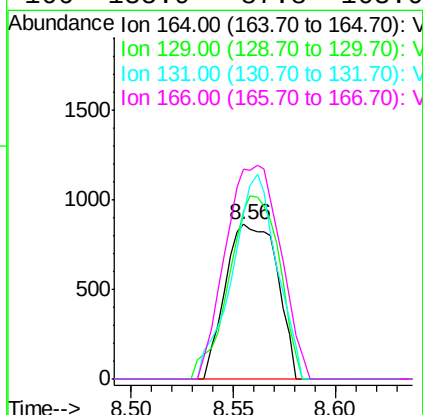
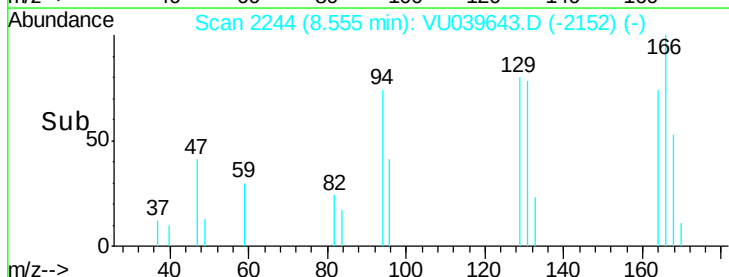
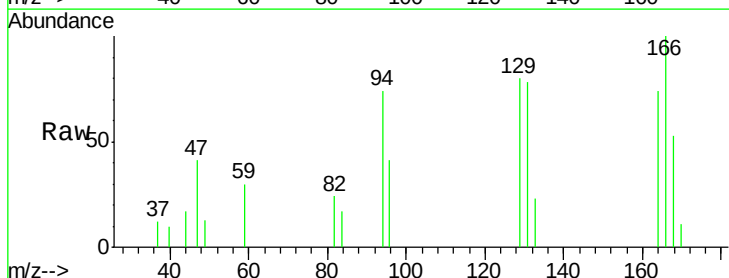
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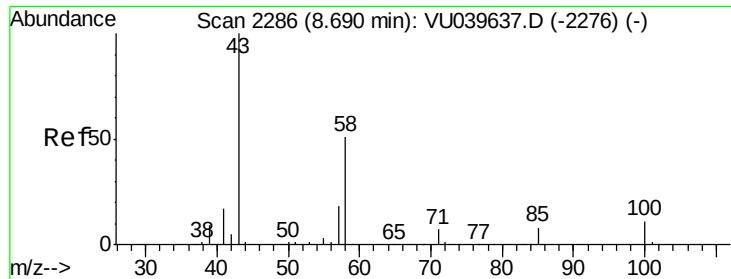
sam
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#46
 Tetrachloroethene
 Concen: 1.465 ug/L m
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 18:19

Tgt Ion:	164	Resp:	1519
Ion	Ratio	Lower	Upper
164	100		
129	108.3	71.1	132.1
131	106.6	70.3	130.5
166	135.9	87.8	163.0





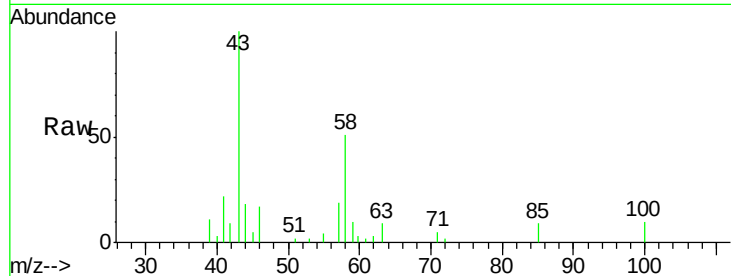
#48
2-Hexanone
Concen: 5.494 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 18:19

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	56.9	40.6	61.0	
57	21.5	14.5	21.7	
100	11.4	8.0	12.0	

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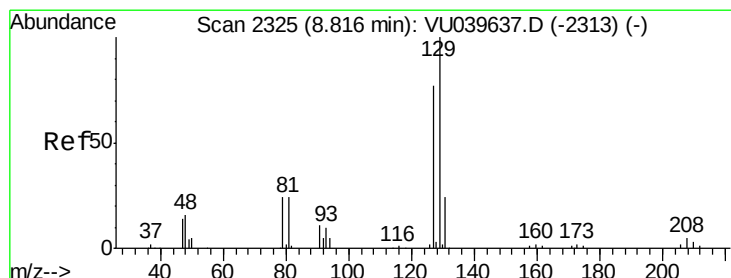
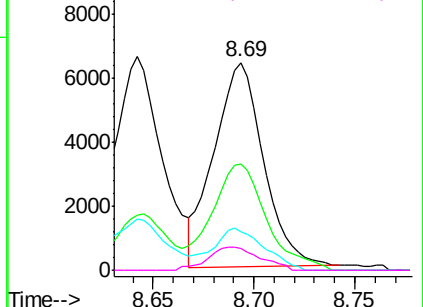
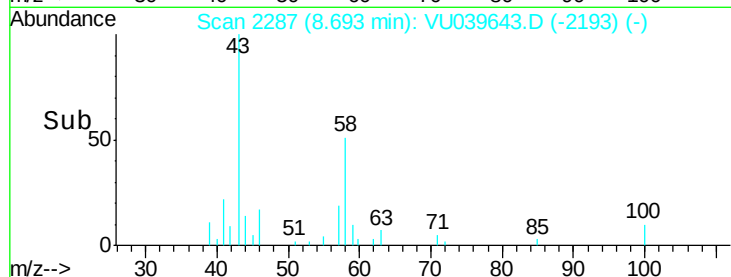
Abundance

Ion 43.00 (42.70 to 43.70): VU039643.D (-2193) (-)

Ion 58.00 (57.70 to 58.70): VU039643.D (-2193) (-)

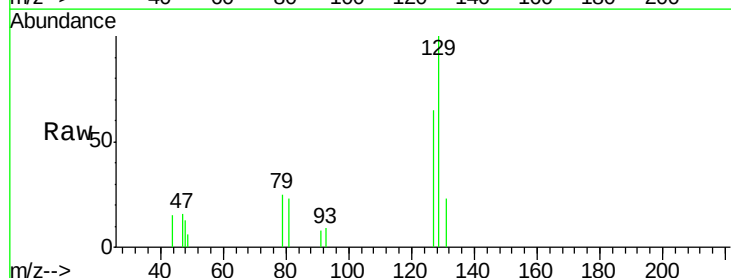
Ion 57.00 (56.70 to 57.70): VU039643.D (-2193) (-)

Ion 100.00 (99.70 to 100.70): VU039643.D (-2193) (-)



#49
Dibromochloromethane
Concen: 1.758 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039643.D
Acq: 23 Jul 2020 18:19

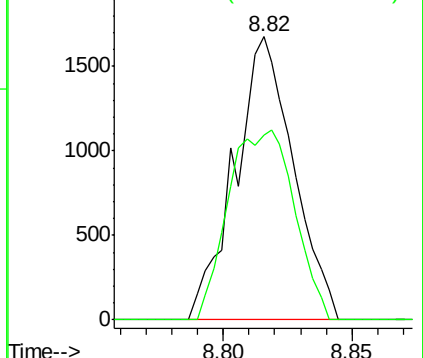
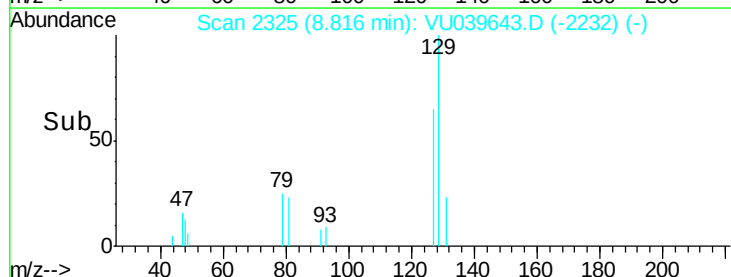
Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	65.4	54.3	100.9	

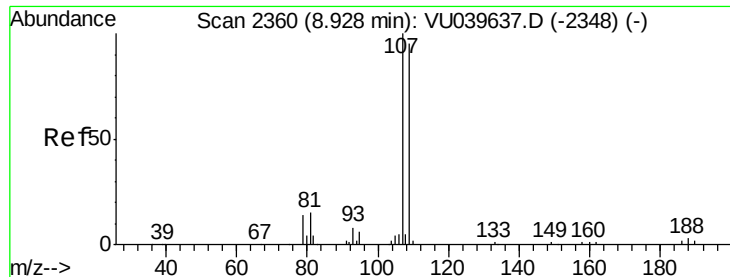


Abundance

Ion 129.00 (128.70 to 129.70): VU039643.D (-2232) (-)

Ion 127.00 (126.70 to 127.70): VU039643.D (-2232) (-)





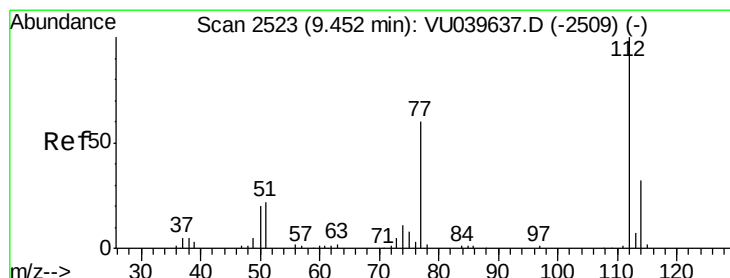
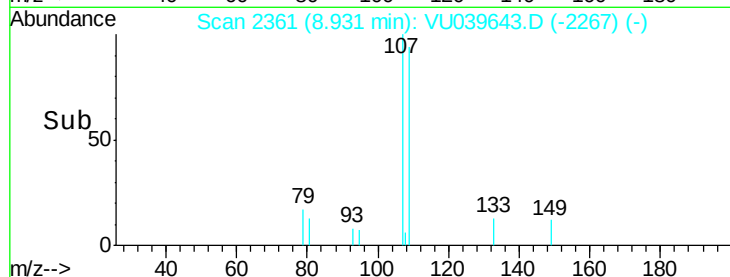
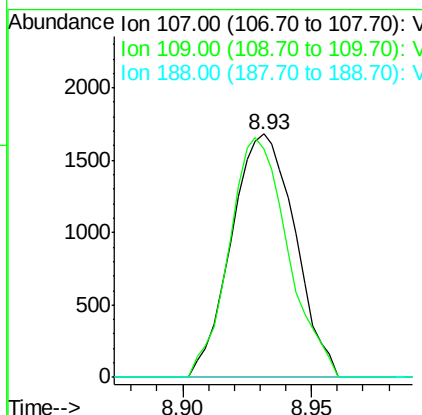
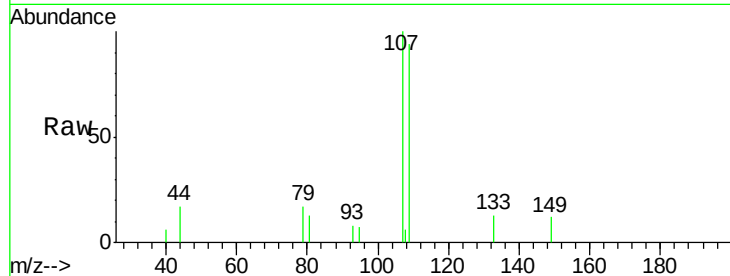
#50
 1,2-Dibromoethane
 Concen: 1.943 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	66.8	124.2
188	0.0	3.0	4.4#

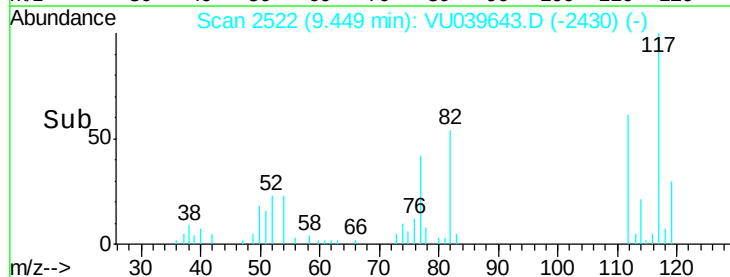
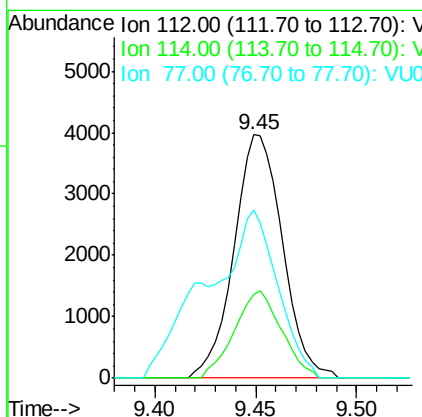
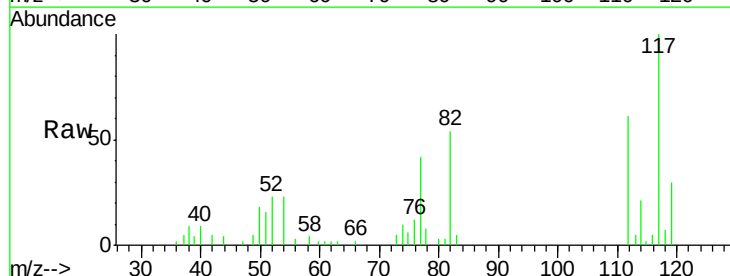
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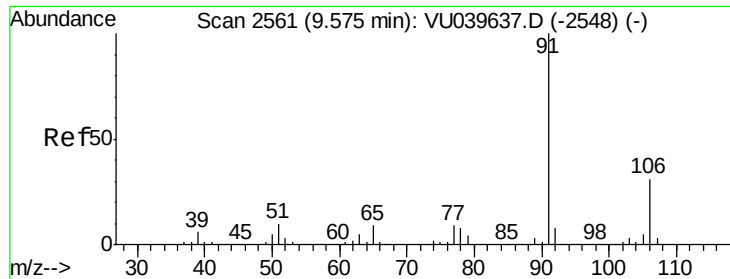
sam
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#51
 Chlorobenzene
 Concen: 1.838 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 18:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.4	22.9	42.5
77	69.2	49.4	74.0





#52

Ethylbenzene

Concen: 1.755 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Tot Ion: 91 Resp: 11051

Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.1

Instrument :

MSVOA_U

ClientSampled :

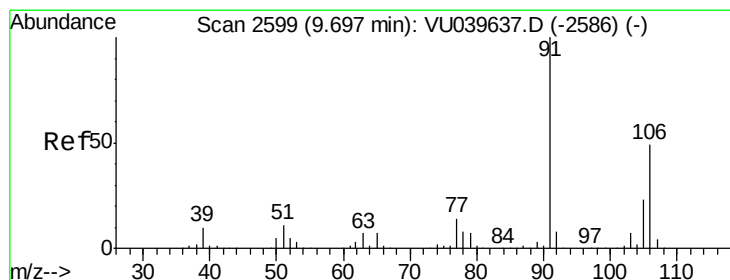
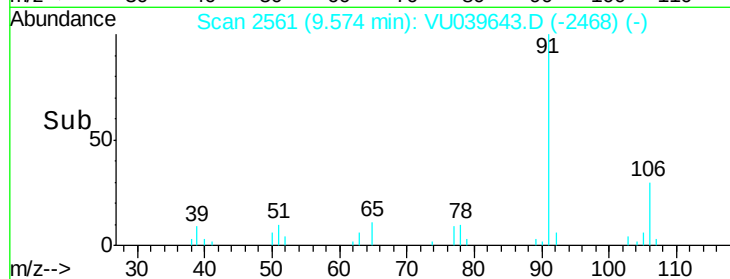
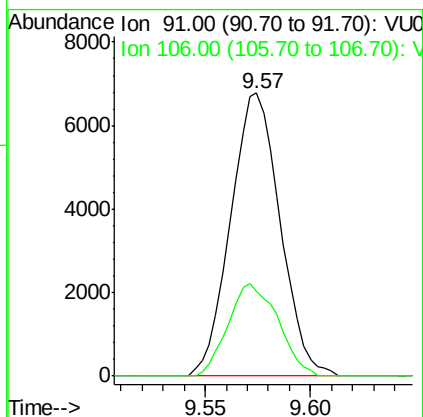
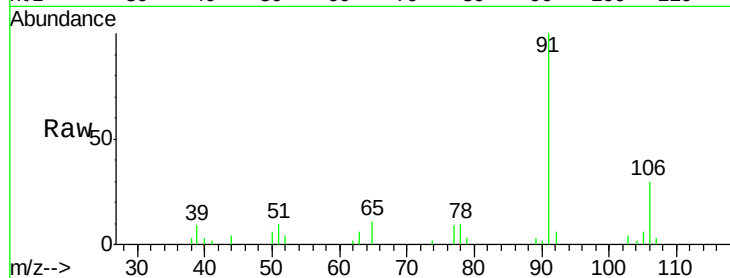
MDL04

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#53

m,p-Xylene

Concen: 1.698 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039643.D

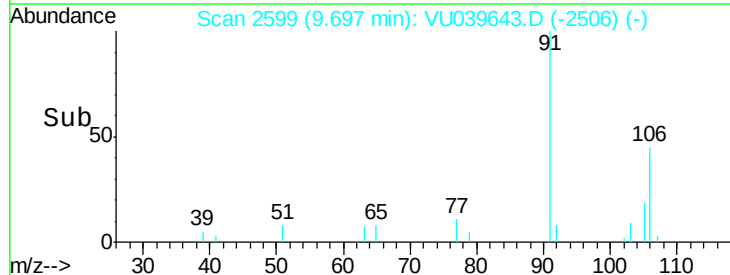
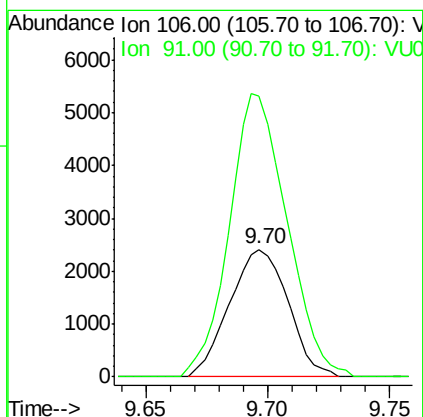
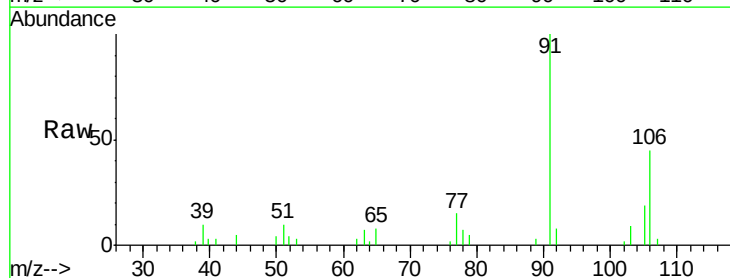
Acq: 23 Jul 2020 18:19

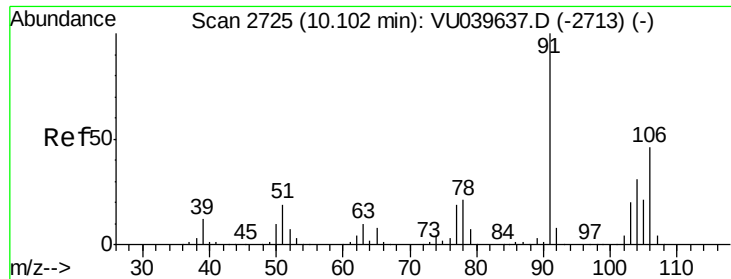
Tgt Ion: 106 Resp: 4031

Ion Ratio Lower Upper

106 100

91 220.0 149.7 277.9





#54

o-xylene

Concen: 1.873 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

ClientSampled :

MDL04

Tot Ion:106 Resp: 4266

Ion Ratio Lower Upper

106 100

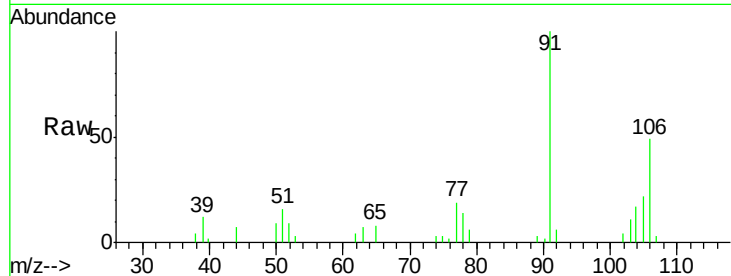
91 203.0 155.1 288.1

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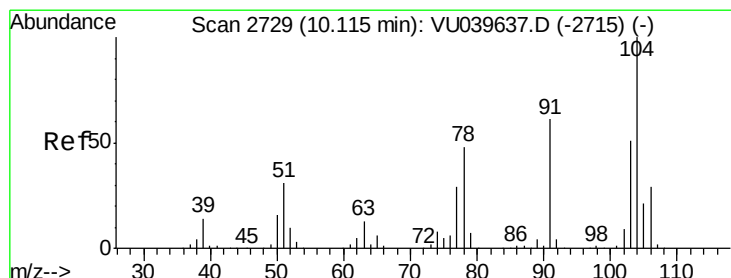
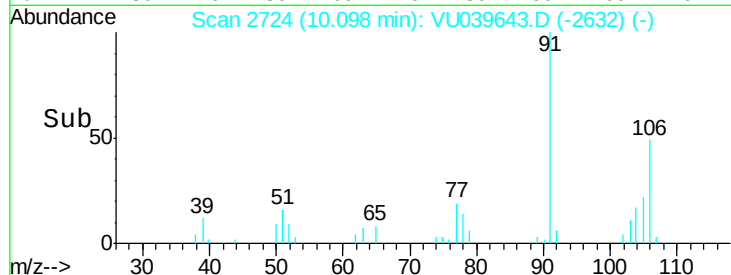
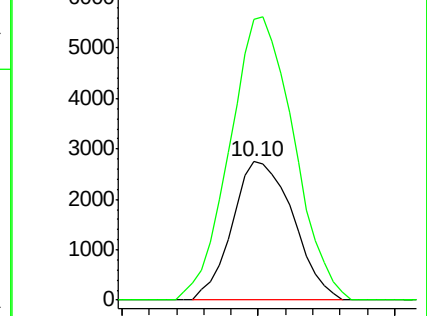
sam

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 1.536 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU039643.D

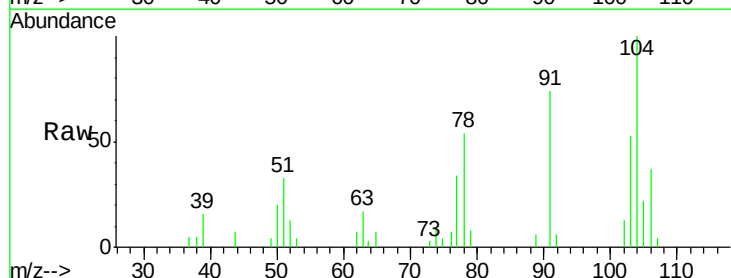
Acq: 23 Jul 2020 18:19

Tgt Ion:104 Resp: 6053

Ion Ratio Lower Upper

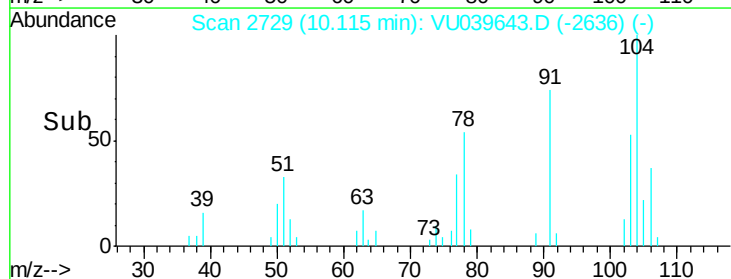
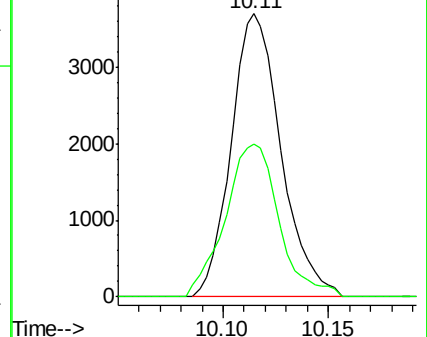
104 100

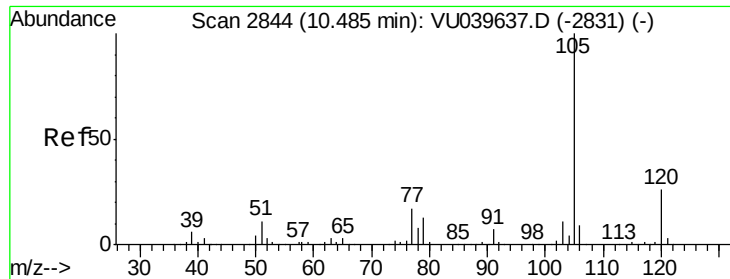
78 54.0 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 1.685 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

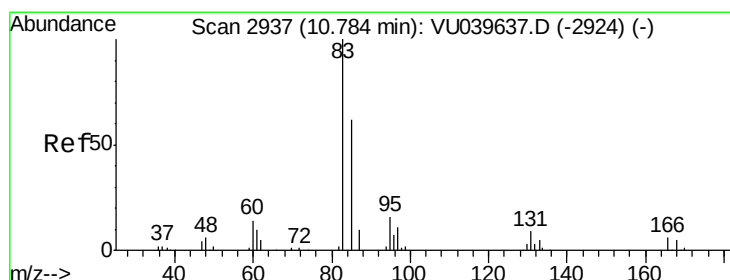
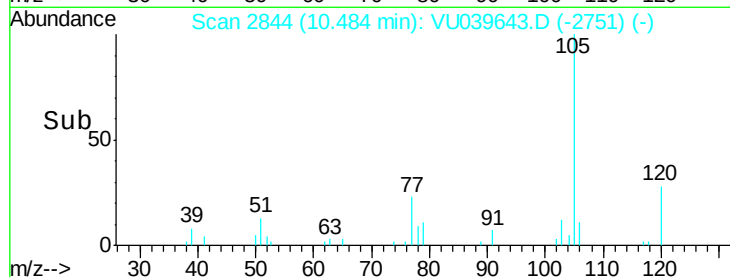
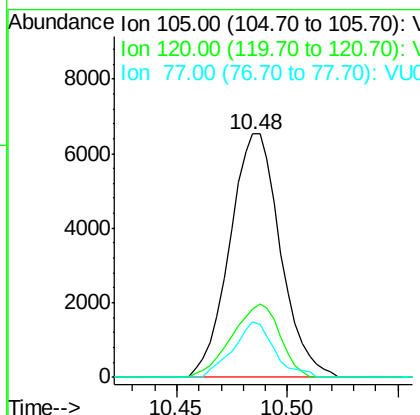
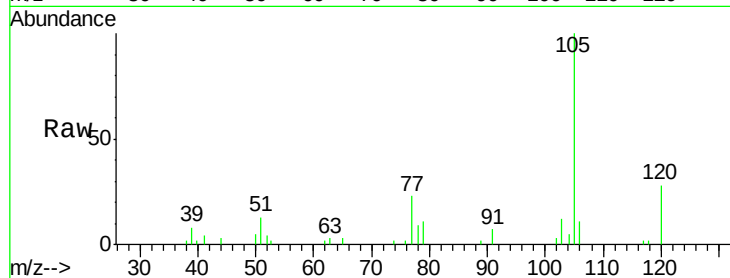
ClientSampled :

MDL04

Tot Ion:	105	Resp:	10420
Ion Ratio	Lower	Upper	
105	100		
120	28.7	20.6	31.0
77	18.6	13.4	20.2

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#58

1,1,2,2-Tetrachloroethane

Concen: 2.205 ug/L

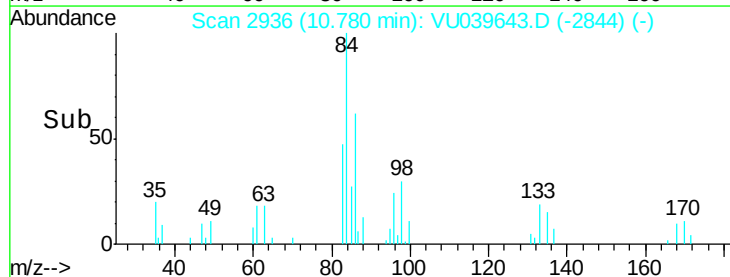
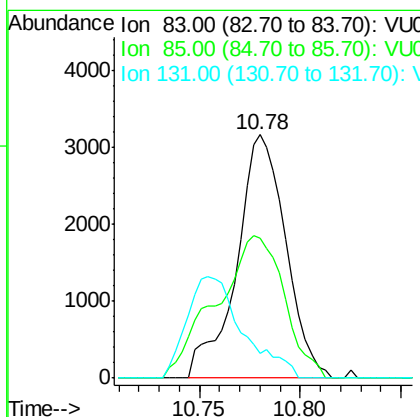
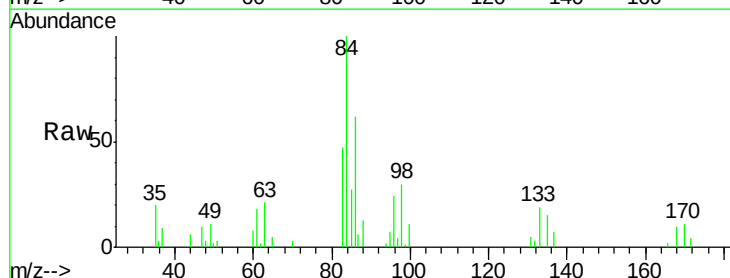
RT: 10.78 min Scan# 2936

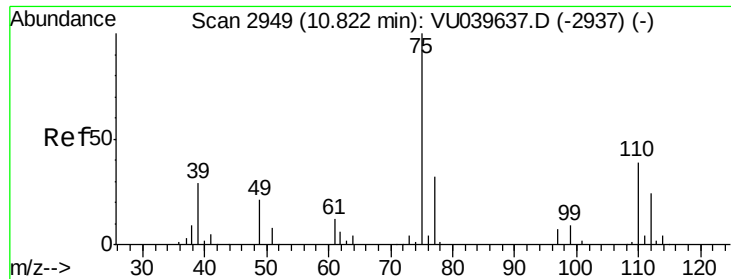
Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Tgt Ion:	83	Resp:	5377
Ion Ratio	Lower	Upper	
83	100		
85	57.3	46.4	86.2
131	16.1	7.8	11.6#





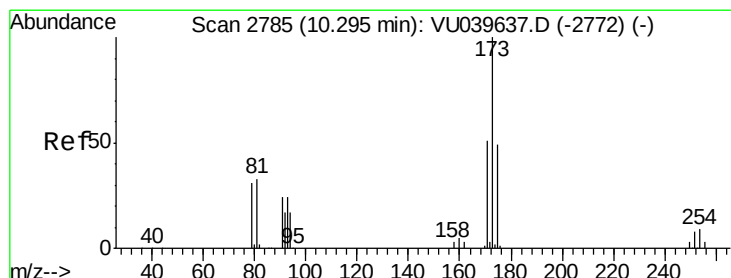
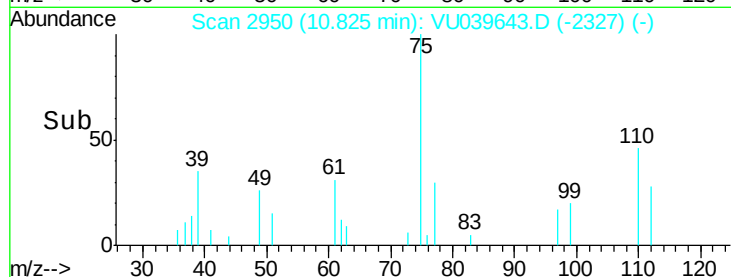
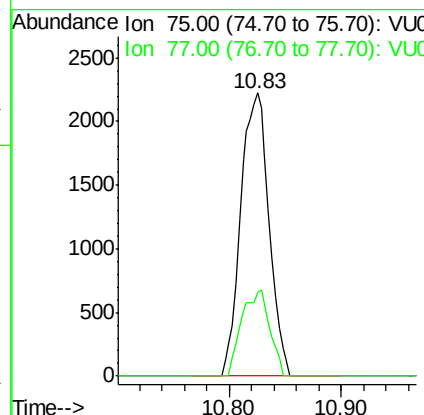
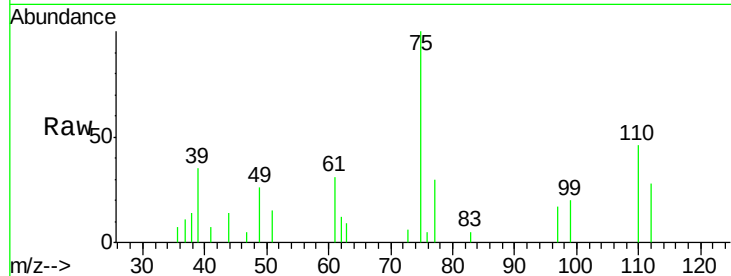
#59
 1,2,3-Trichloropropane
 Concen: 1.913 ug/L m
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tot Ion: 75 Resp: 3893
 Ion Ratio Lower Upper
 75 100
 77 128.0 25.4 38.2#

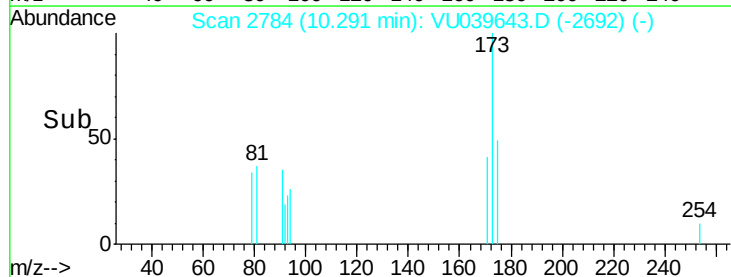
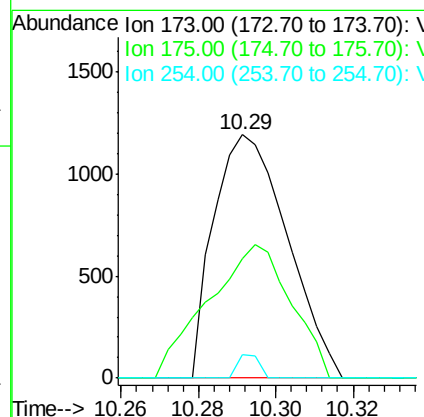
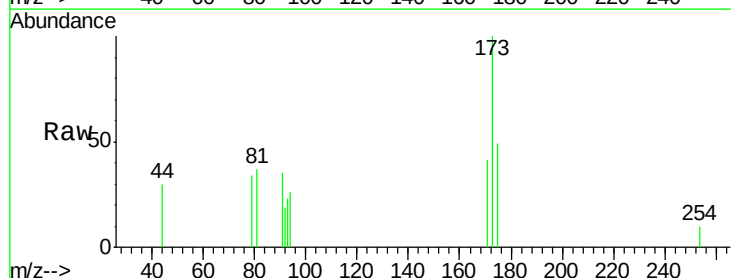
Manual Integrations
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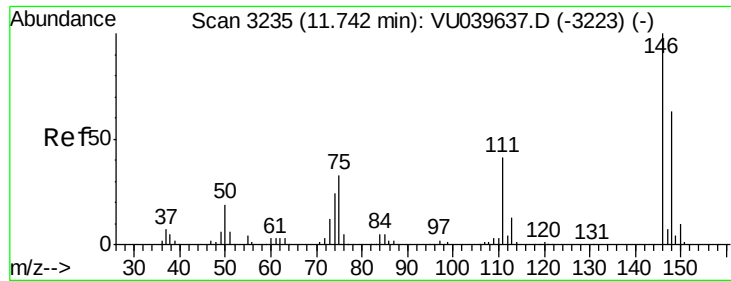
sam
 7/30/2020 2:58:27 AM



#61
 Bromoform
 Concen: 1.517 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 18:19

Tgt Ion: 173 Resp: 1573
 Ion Ratio Lower Upper
 173 100
 175 62.1 38.4 57.6#
 254 2.7 7.0 10.6#





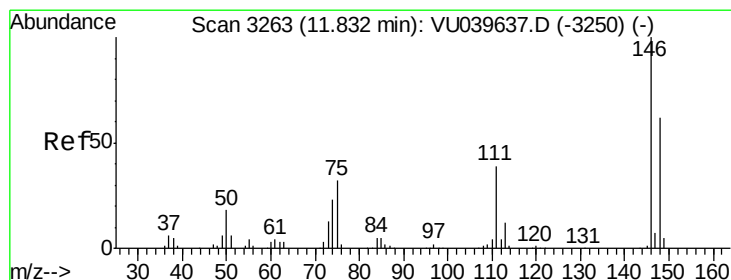
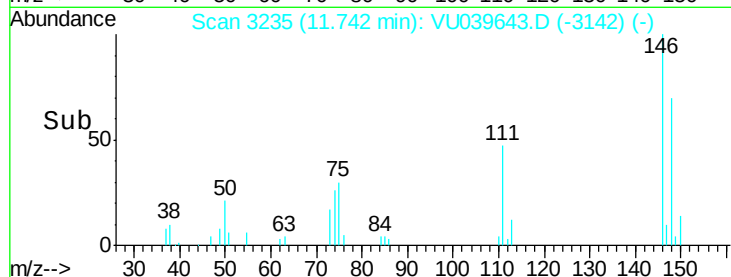
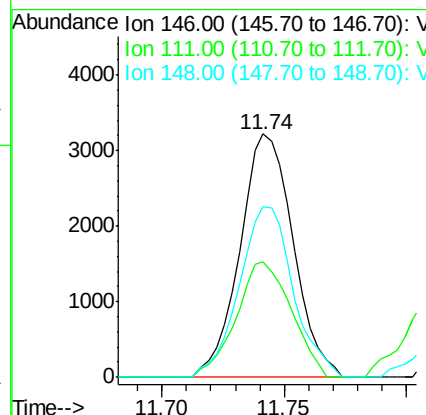
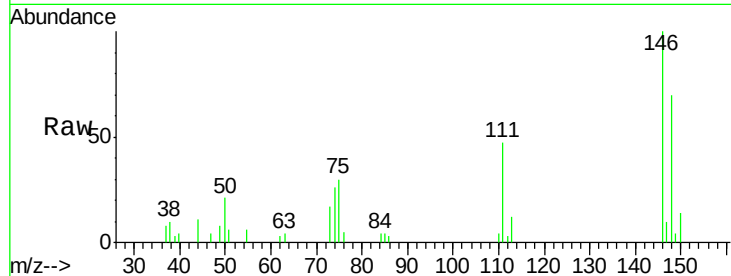
#62
 1,3-Dichlorobenzene
 Concen: 1.813 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 18:19

Instrument :
 MSVOA_U
 ClientSampled :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.4	29.3	54.3
148	70.2	46.1	85.5

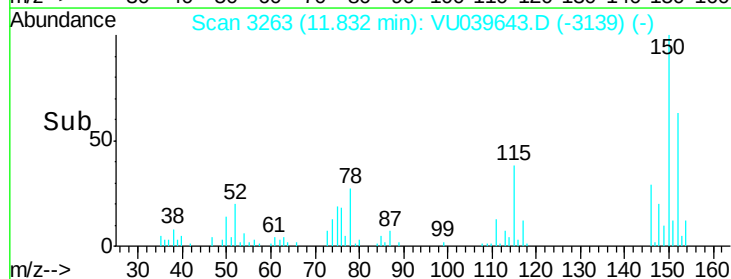
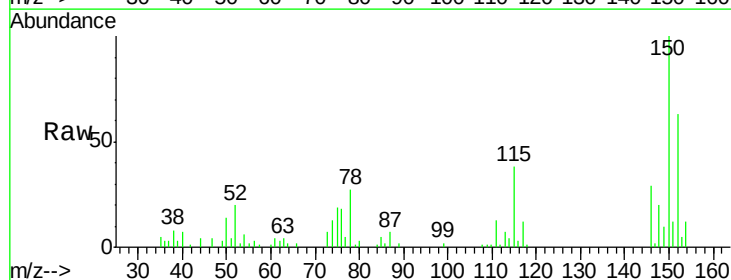
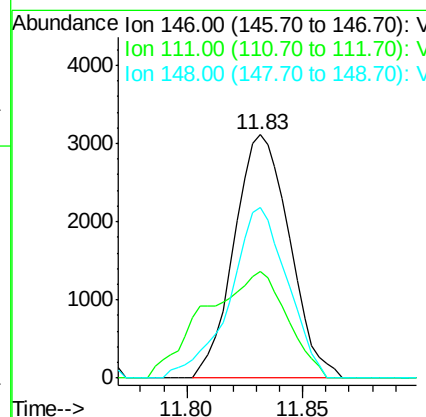
Manual Integrations
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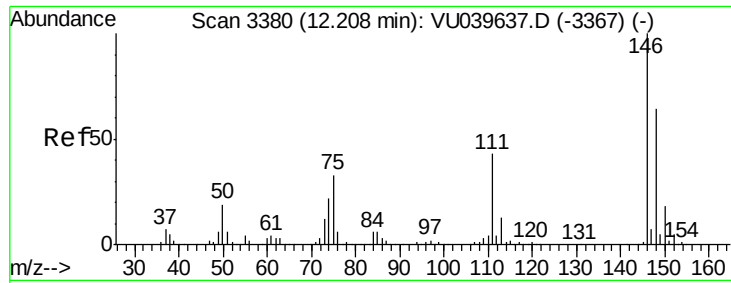
sam
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#63
 1,4-Dichlorobenzene
 Concen: 1.914 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 18:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	27.8	51.6
148	70.2	44.7	83.1





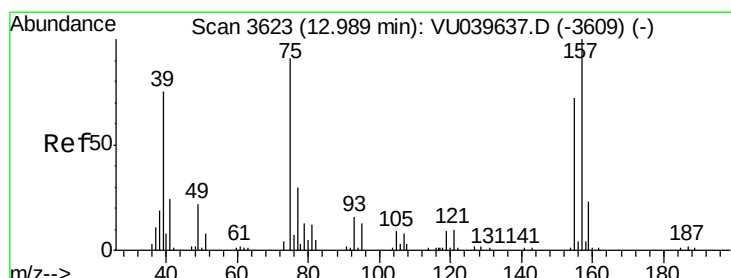
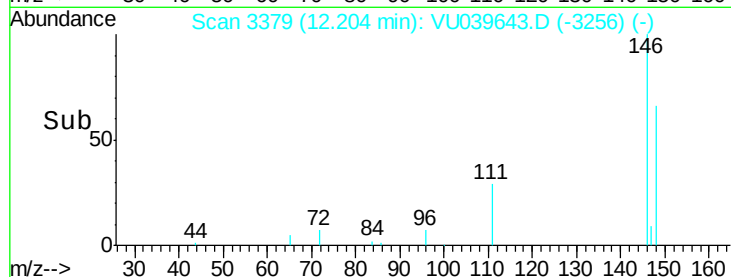
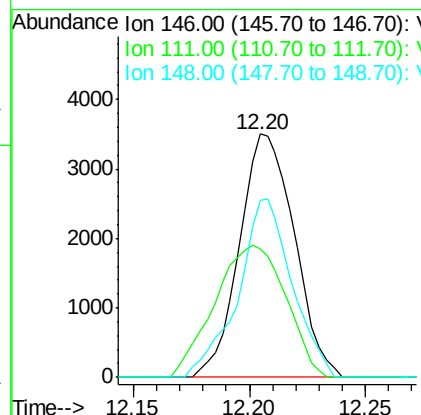
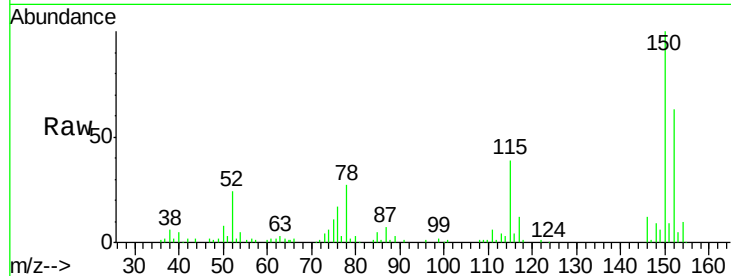
#65
 1,2-Dichlorobenzene
 Concen: 2.122 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tot Ion:146 Resp: 5756
 Ion Ratio Lower Upper
 146 100
 111 52.9 34.8 52.2#
 148 72.8 52.5 78.7

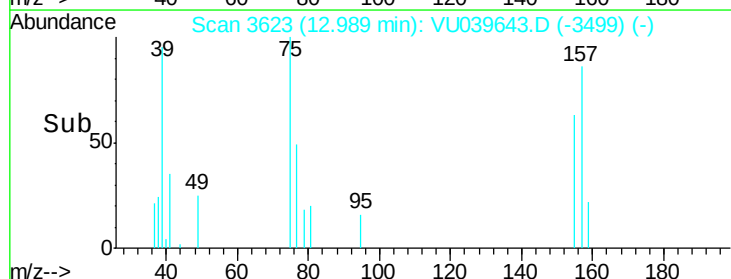
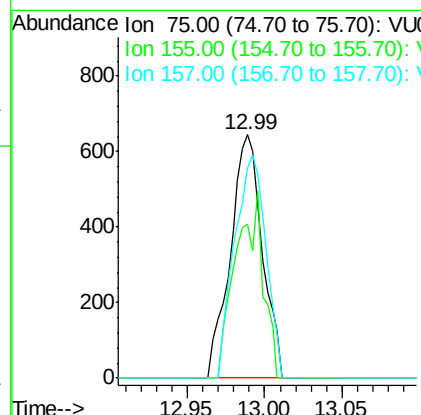
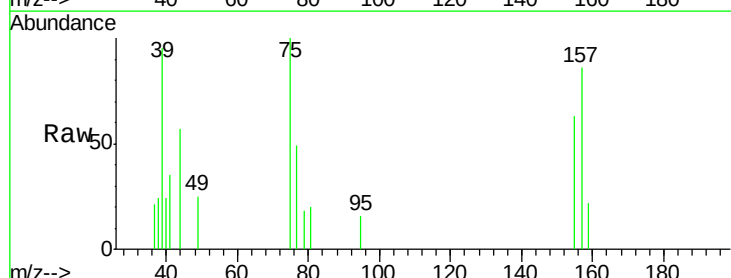
Manual Integrations
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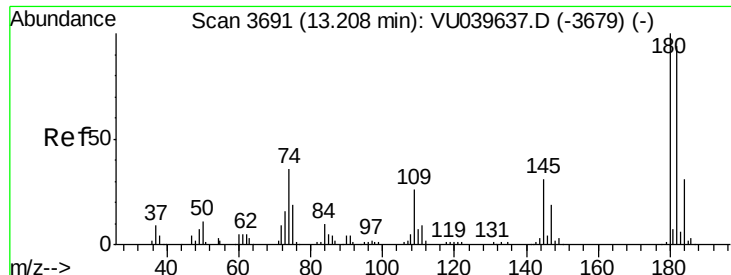
sam
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.703 ug/L m
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 18:19

Tgt Ion: 75 Resp: 924
 Ion Ratio Lower Upper
 75 100
 155 63.4 62.4 93.6
 157 86.4 78.9 118.3





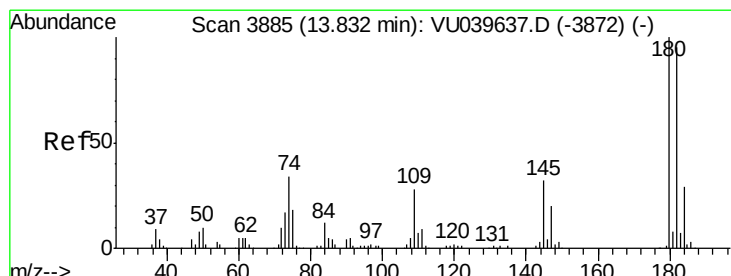
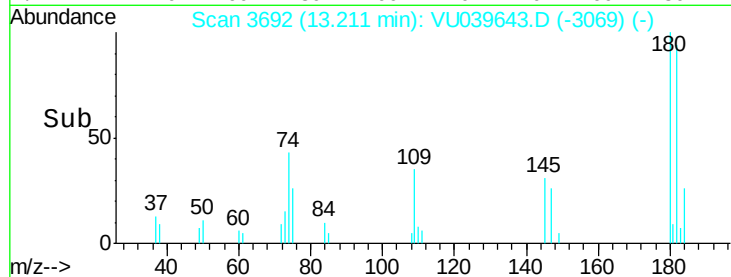
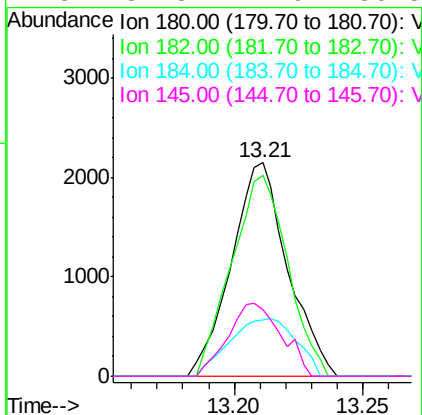
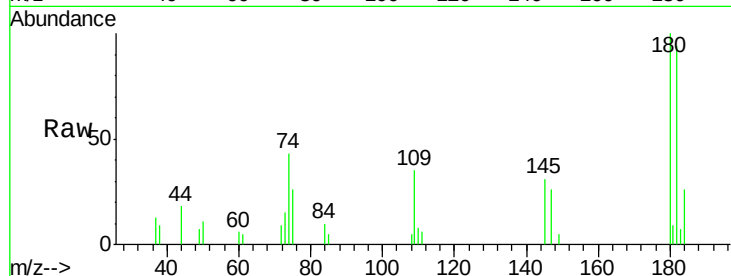
#67
 1,3,5-Trichlorobenzene
 Concen: 1.691 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 18:19

Instrument :
 MSVOA_U
 ClientSampled :
 MDL04

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.7	113.5
184	31.8	24.2	36.2
145	32.3	24.6	36.8

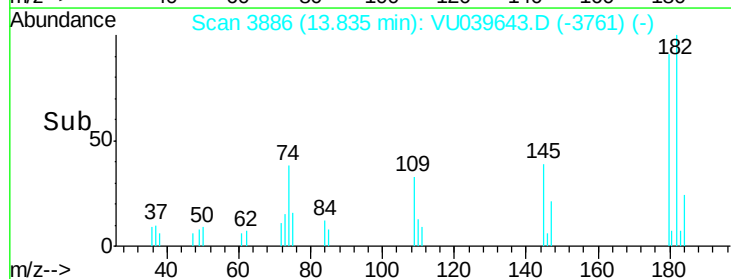
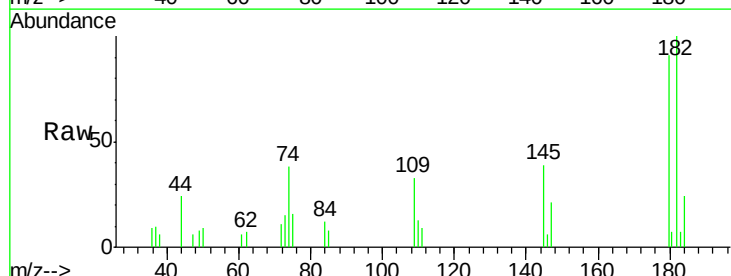
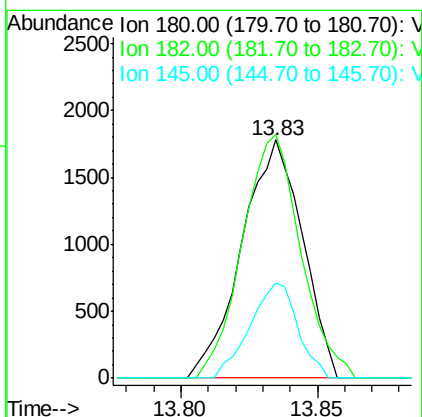
Manual Integrations
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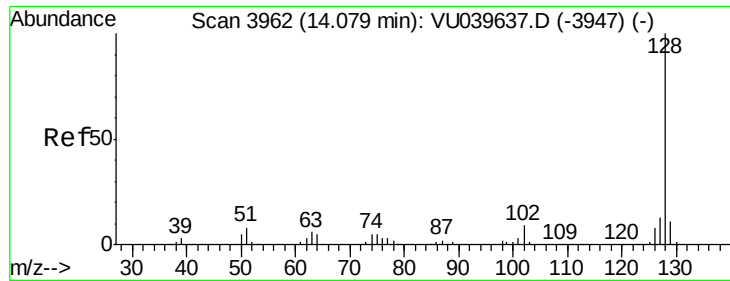
sam
 7/30/2020 2:58:27 AM



#68
 1,2,4-trichlorobenzene
 Concen: 1.669 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039643.D
 Acq: 23 Jul 2020 18:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.2	74.4	111.6
145	31.3	24.8	37.2





#69

Naphthalene

Concen: 1.673 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Instrument :

MSVOA_U

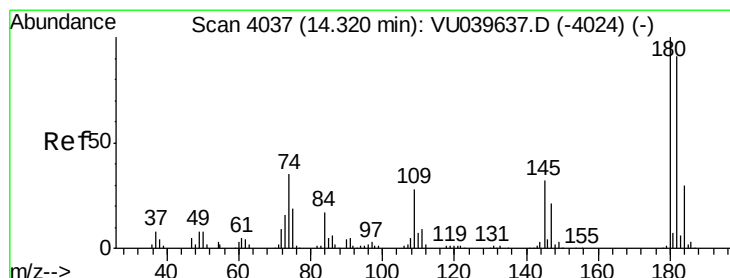
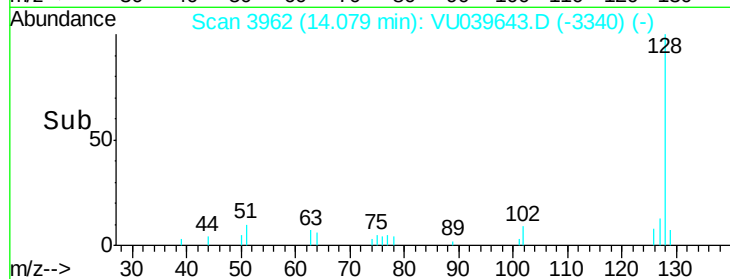
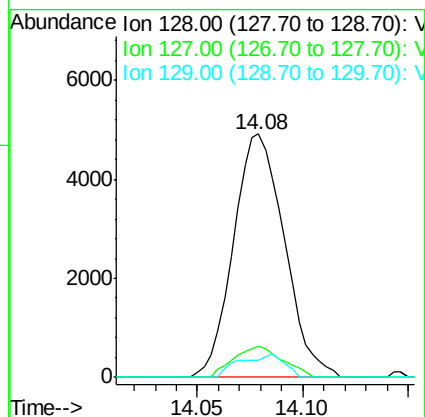
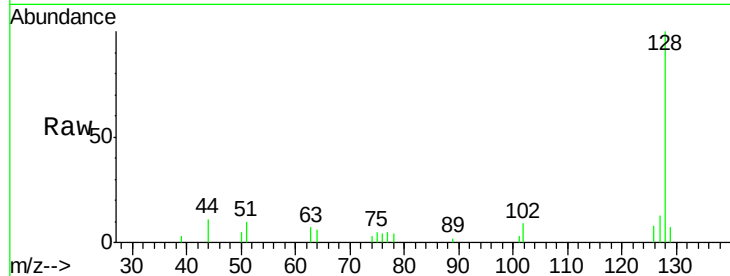
ClientSampleId :

MDL04

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.7	16.1
129	1.5	8.8	13.2

Manual Integrations
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sam
7/30/2020 2:58:27 AM



#70

1,2,3-Trichlorobenzene

Concen: 1.766 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039643.D

Acq: 23 Jul 2020 18:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.6	114.8
145	34.3	27.0	40.4

