

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039646.D
 Acq On : 23 Jul 2020 19:25
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

sam
 7/30/2020 2:58:09 AM

Quant Time: Jul 24 03:25:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 01:59:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	181092	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	176777	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	81098	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	54591	46.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.60%
7) Chloroethane-d5	1.92	69	62053	43.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.84%
11) 1,1-Dichloroethene-d2	2.58	63	88239	35.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.72%
21) 2-Butanone-d5	4.65	46	131543	96.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.65%
24) Chloroform-d	5.08	84	123857	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.44%
26) 1,2-Dichloroethane-d4	5.72	65	89665	47.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.64%
32) Benzene-d6	5.74	84	239479	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
36) 1,2-Dichloropropane-d6	6.71	67	78485	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.52%
41) Toluene-d8	7.91	98	219411	47.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	8.19	79	35320	43.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.94%
47) 2-Hexanone-d5	8.64	63	83709	95.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.33%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	117461	46.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.16%
64) 1,2-Dichlorobenzene-d4	12.19	152	87555	49.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.74%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	2730	2.213	ug/L	89
3) Chloromethane	1.53	50	3149	2.457	ug/L	97
5) Vinyl chloride	1.61	62	3349	2.572	ug/L #	51
6) Bromomethane	1.87	94	3064	3.131	ug/L	96
8) Chloroethane	1.94	64	3402	2.937	ug/L	95
9) Trichlorofluoromethane	2.15	101	5853	2.543	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2905m	2.622	ug/L	
12) 1,1-Dichloroethene	2.59	96	2941	2.847	ug/L #	1
13) Acetone	2.65	43	4504	4.973	ug/L	83
14) Carbon disulfide	2.81	76	7912	2.394	ug/L	100
15) Methyl Acetate	2.97	43	3978	2.452	ug/L #	79
16) Methylene chloride	3.06	84	3488	2.819	ug/L #	79
17) trans-1,2-Dichloroethene	3.38	96	2982	2.594	ug/L	96
18) Methyl tert-butyl Ether	3.38	73	8858	2.385	ug/L #	86
19) 1,1-Dichloroethane	3.89	63	5771	2.573	ug/L	92
20) cis-1,2-Dichloroethene	4.69	96	3103	2.362	ug/L	85
22) 2-Butanone	4.73	43	5452	4.271	ug/L	94

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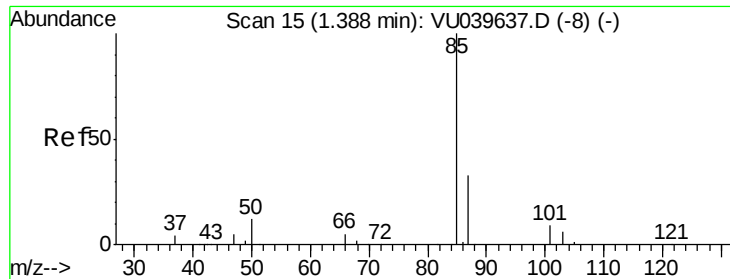
Manual Integrations
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Quant Time: Jul 24 03:25:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 01:59:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	1644	2.490	ug/L	86
25) Chloroform	5.11	83	10797	4.339	ug/L	89
27) 1,2-Dichloroethane	5.81	62	5508	2.670	ug/L	98
29) Cyclohexane	5.41	56	4748	2.472	ug/L	97
30) 1,1,1-Trichloroethane	5.34	97	4584	2.166	ug/L #	81
31) Carbon tetrachloride	5.55	117	4381	2.496	ug/L	91
33) Benzene	5.79	78	12667	2.600	ug/L	100
34) Trichloroethene	6.56	95	3320	2.576	ug/L	90
35) Methylcyclohexane	6.78	83	4337	2.177	ug/L	97
37) 1,2-Dichloropropane	6.81	63	3348	2.538	ug/L #	89
38) Bromodichloromethane	7.12	83	4138	2.362	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	4596	2.331	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	10856	4.724	ug/L #	95
42) Toluene	7.98	91	12891	2.406	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	5098	2.641	ug/L	92
45) 1,1,2-Trichloroethane	8.41	97	3211	2.553	ug/L	95
46) Tetrachloroethene	8.56	164	2430	2.493	ug/L	84
48) 2-Hexanone	8.69	43	12766	6.818	ug/L	97
49) Dibromochloromethane	8.82	129	3242	2.283	ug/L	99
50) 1,2-Dibromoethane	8.93	107	3181	2.273	ug/L #	88
51) Chlorobenzene	9.45	112	7773	2.274	ug/L	97
52) Ethylbenzene	9.57	91	12610	2.130	ug/L	87
53) m,p-Xylene	9.69	106	4823	2.161	ug/L	94
54) o-xylene	10.10	106	4880	2.278	ug/L	94
55) Styrene	10.11	104	8005	2.160	ug/L	92
56) Isopropylbenzene	10.48	105	11974	2.059	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	6037	2.633	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	4391	2.294	ug/L	97
61) Bromoform	10.29	173	1997	2.082	ug/L #	76
62) 1,3-Dichlorobenzene	11.74	146	5976	2.406	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	6099	2.451	ug/L	94
65) 1,2-Dichlorobenzene	12.21	146	6322	2.518	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.99	75	1023	2.037	ug/L	84
67) 1,3,5-Trichlorobenzene	13.21	180	3763	2.100	ug/L	95
68) 1,2,4-trichlorobenzene	13.83	180	3201	2.105	ug/L	98
69) Naphthalene	14.08	128	8706	1.909	ug/L	97
70) 1,2,3-Trichlorobenzene	14.32	180	3293	2.144	ug/L	93

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



#2

Dichlorodifluoromethane

Concen: 2.213 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 85 Resp: 2730

Ion Ratio Lower Upper

85 100

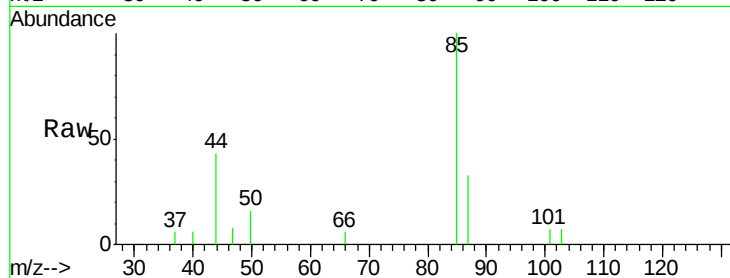
87 39.3 26.2 39.4

Manual Integrations

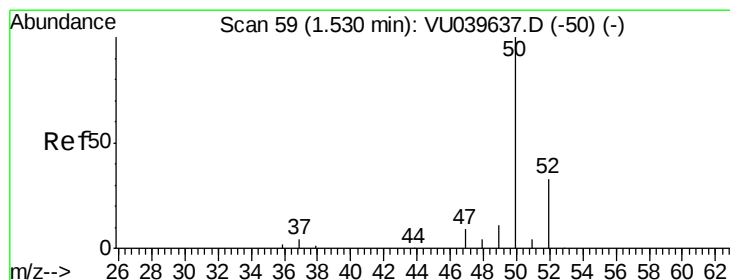
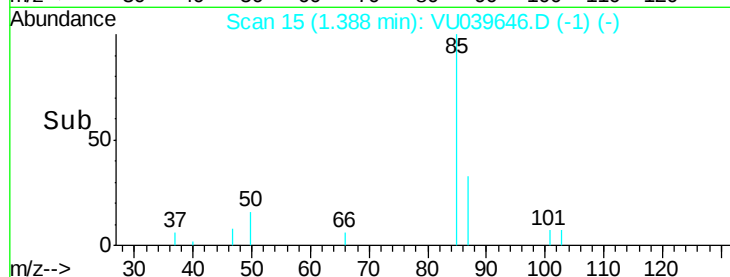
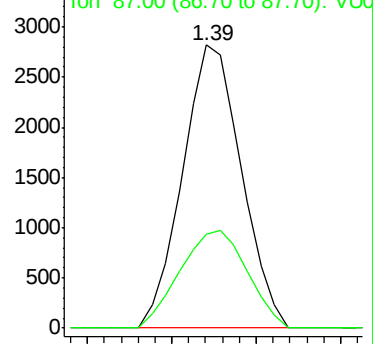
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Abundance Ion 85.00 (84.70 to 85.70): VU039637.D (-8) (-)



#3

Chloromethane

Concen: 2.457 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039646.D

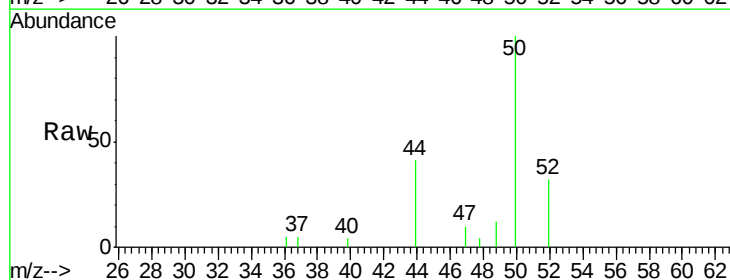
Acq: 23 Jul 2020 19:25

Tgt Ion: 50 Resp: 3149

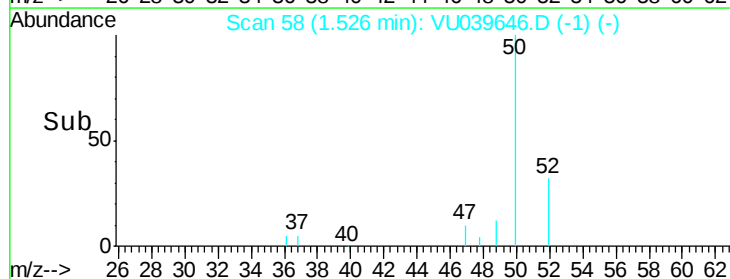
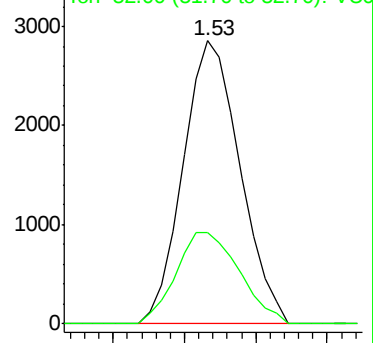
Ion Ratio Lower Upper

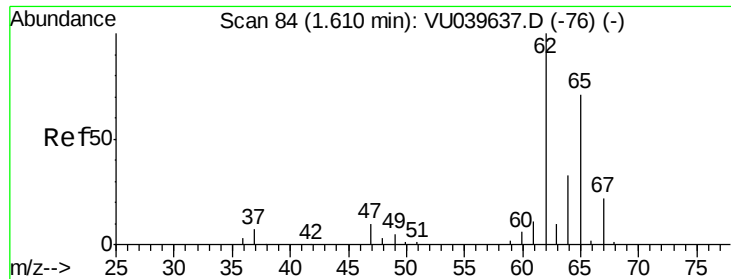
50 100

52 32.4 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VU039637.D (-50) (-)





#5

Vinyl chloride

Concen: 2.572 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion: 62 Resp: 3349

Ion Ratio Lower Upper

62 100

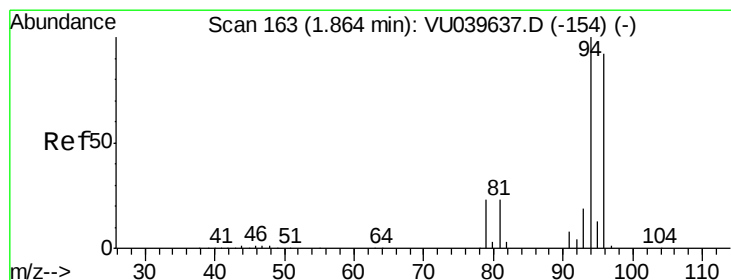
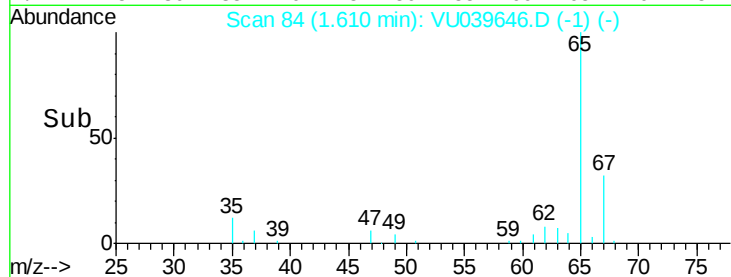
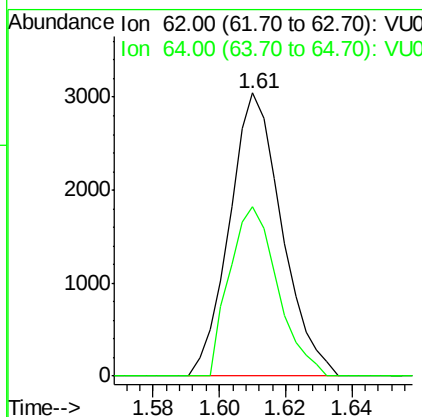
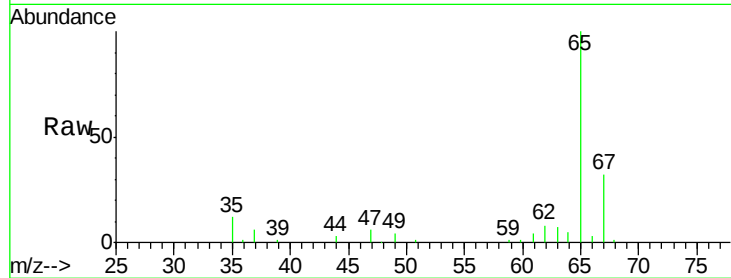
64 59.9 22.8 42.4#

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#6

Bromomethane

Concen: 3.131 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039646.D

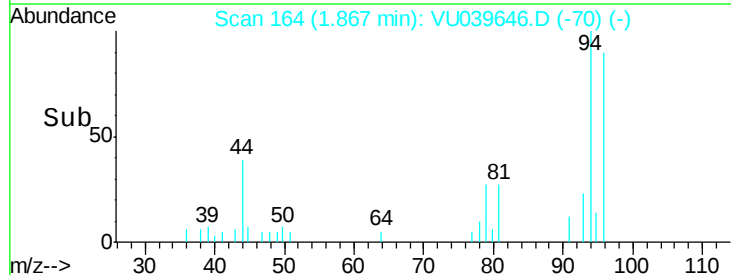
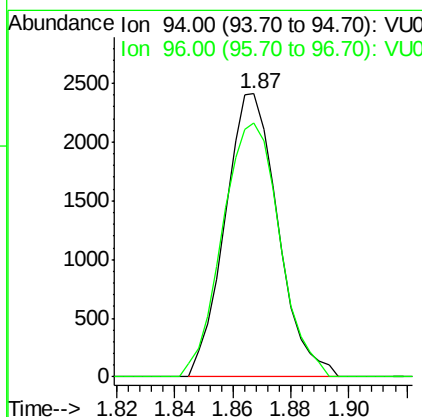
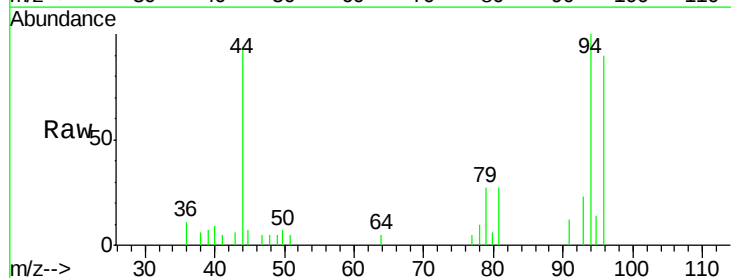
Acq: 23 Jul 2020 19:25

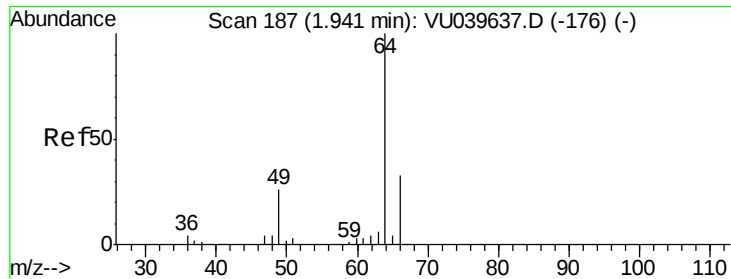
Tgt Ion: 94 Resp: 3064

Ion Ratio Lower Upper

94 100

96 89.9 65.7 122.1





#8

Chloroethane

Concen: 2.937 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion: 64 Resp: 3402

Ion Ratio Lower Upper

64 100

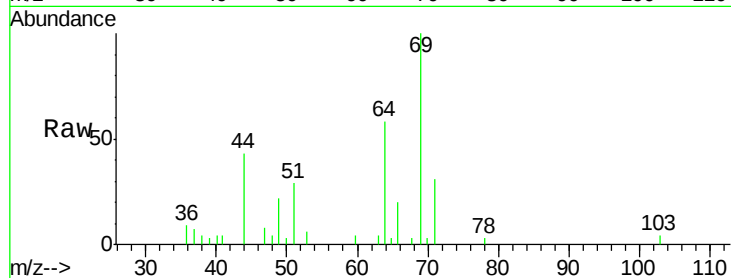
66 35.0 22.7 42.1

Manual Integrations

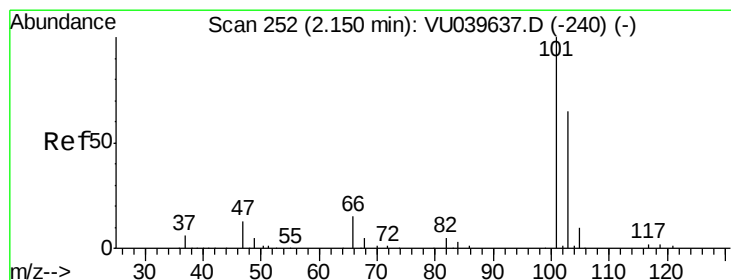
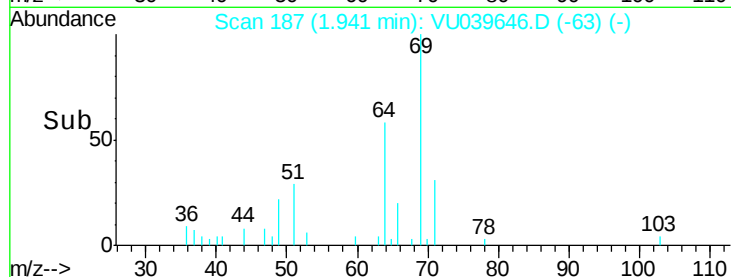
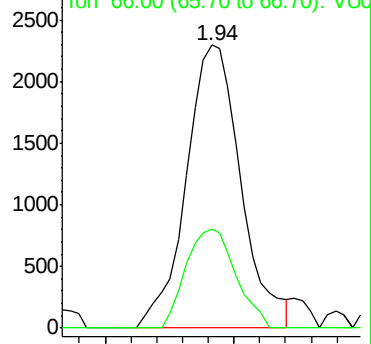
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Abundance Ion 64.00 (63.70 to 64.70): VU039637.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 2.543 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU039646.D

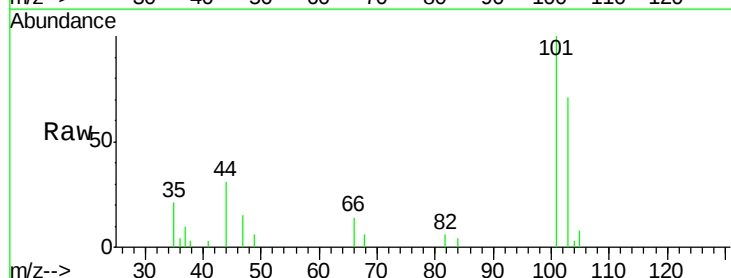
Acq: 23 Jul 2020 19:25

Tgt Ion: 101 Resp: 5853

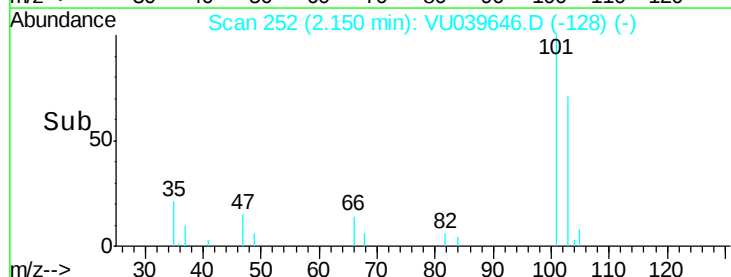
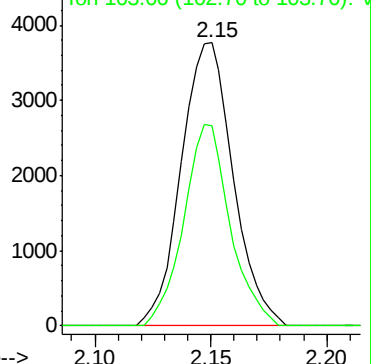
Ion Ratio Lower Upper

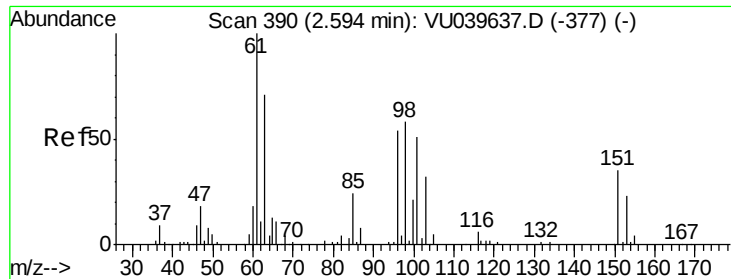
101 100

103 63.6 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): VU039637.D (-240) (-)





#10

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

Concen: 2.622 ug/L m

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

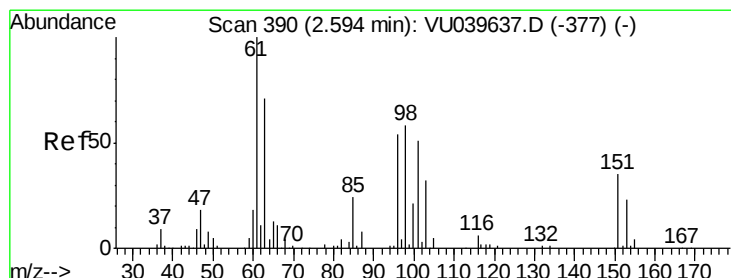
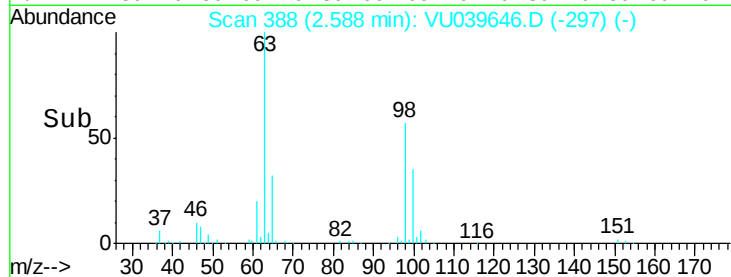
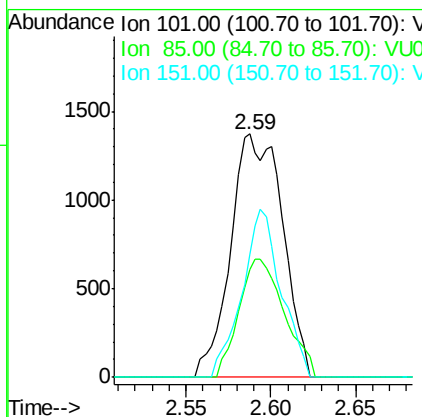
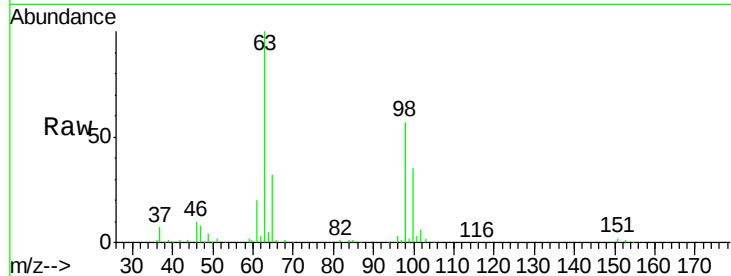
ClientSampled :

MDL07

Tot Ion:	101	Resp:	2905
Ion Ratio	Lower	Upper	
101	100		
85	42.5	39.7	59.5
151	52.0	57.4	86.2#

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#12

1,1-Dichloroethene

Concen: 2.847 ug/L

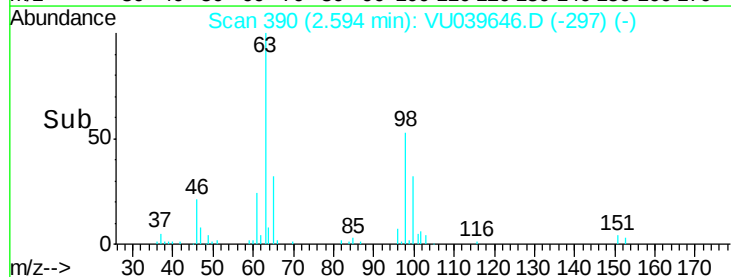
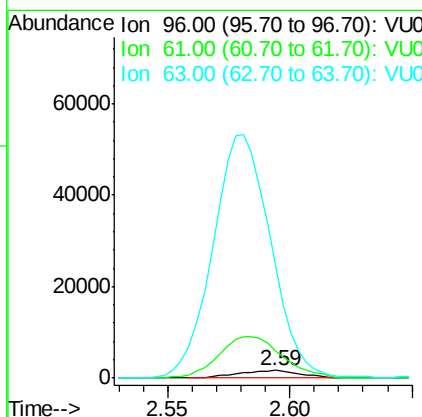
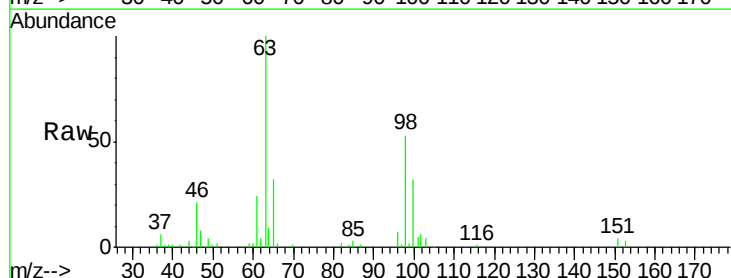
RT: 2.59 min Scan# 390

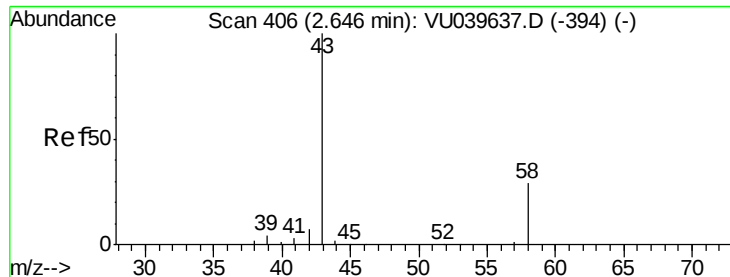
Delta R.T. -0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

Tgt Ion:	96	Resp:	2941
Ion Ratio	Lower	Upper	
96	100		
61	366.3	136.6	253.6#
63	1497.9	97.2	180.6#





#13

Acetone

Concen: 4.973 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.01 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 43 Resp: 4504

Ion Ratio Lower Upper

43 100

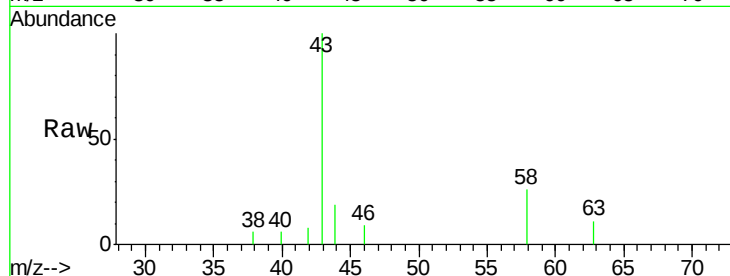
58 20.5 0.0 59.4

Manual Integrations

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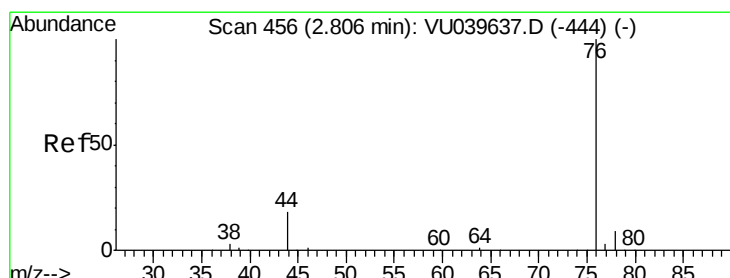
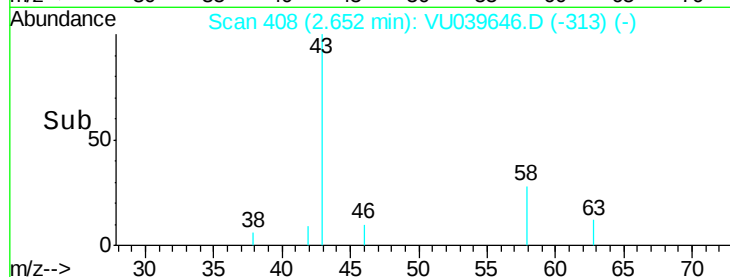
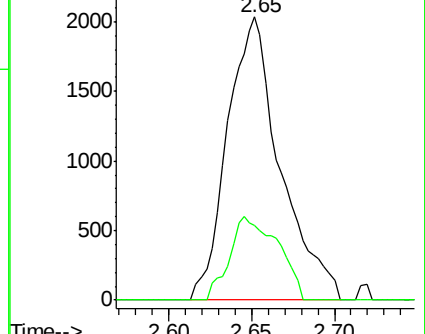
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Abundance Ion 43.00 (42.70 to 43.70): VU039646.D (-313) (-)

Ion 58.00 (57.70 to 58.70): VU039646.D (-313) (-)



#14

Carbon disulfide

Concen: 2.394 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039646.D

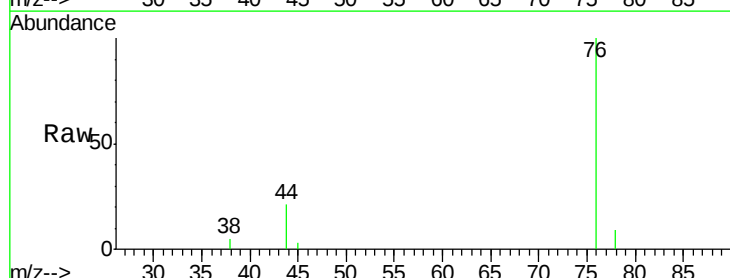
Acq: 23 Jul 2020 19:25

Tgt Ion: 76 Resp: 7912

Ion Ratio Lower Upper

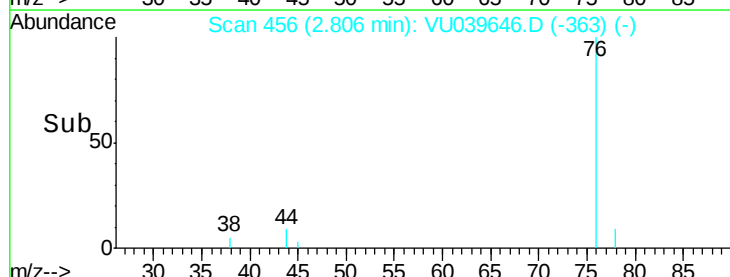
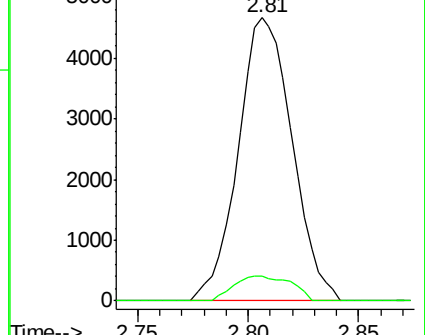
76 100

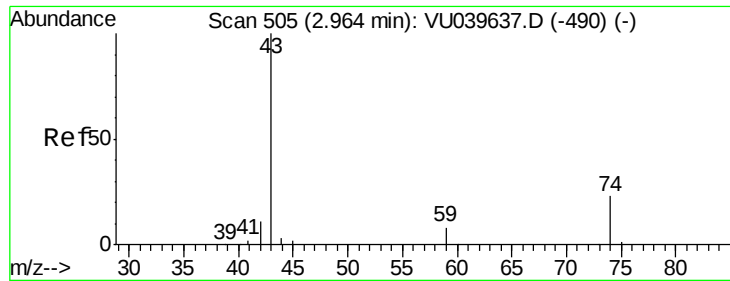
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU039646.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU039646.D (-363) (-)





#15

Methyl Acetate

Concen: 2.452 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion: 43 Resp: 3978

Ion Ratio Lower Upper

43 100

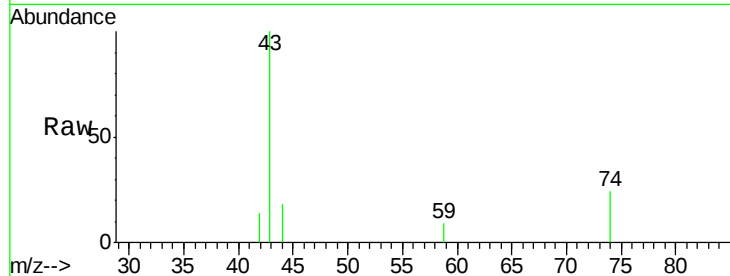
74 11.8 17.4 26.0#

Manual Integrations

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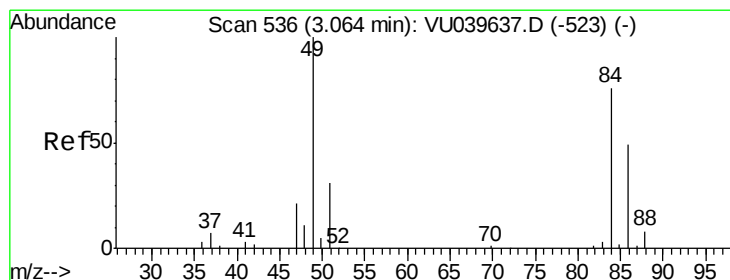
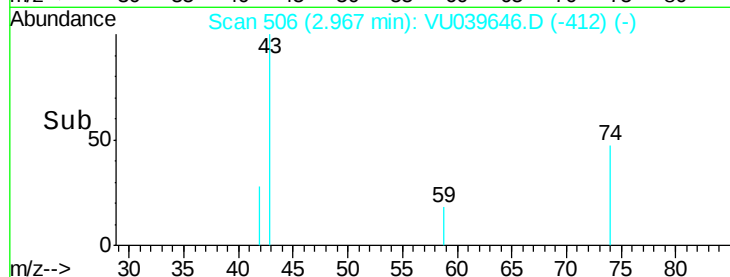
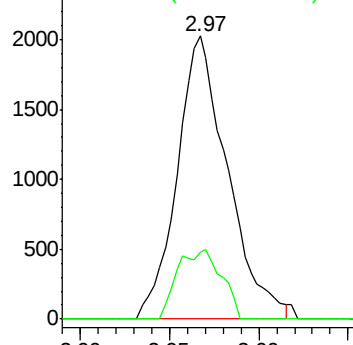
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 2.819 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

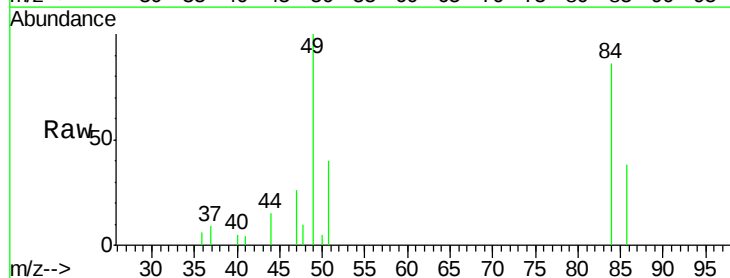
Tgt Ion: 84 Resp: 3488

Ion Ratio Lower Upper

84 100

86 44.6 46.2 85.8#

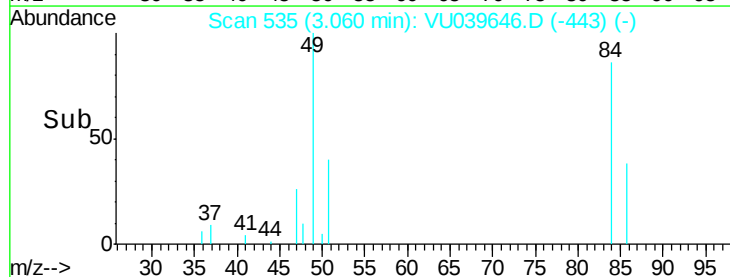
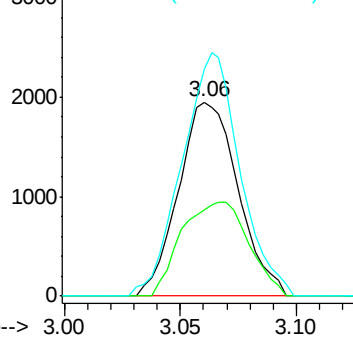
49 116.7 97.3 180.7

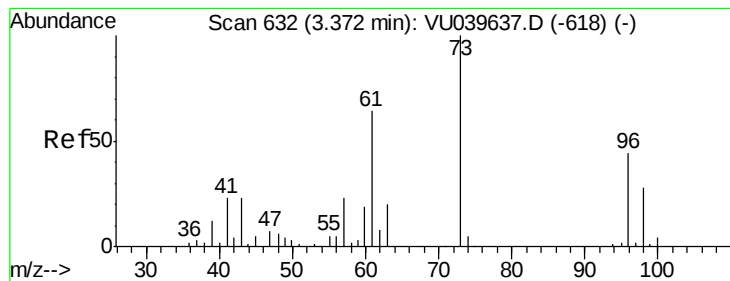


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 2.594 ug/L

RT: 3.38 min Scan# 633

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

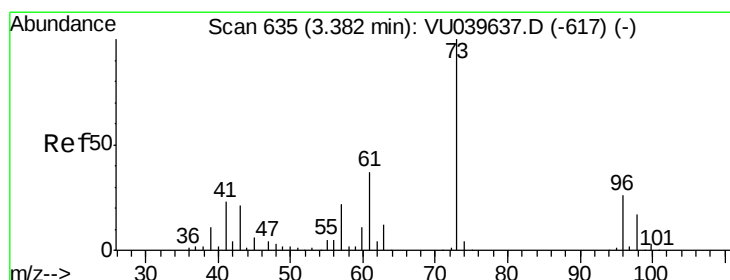
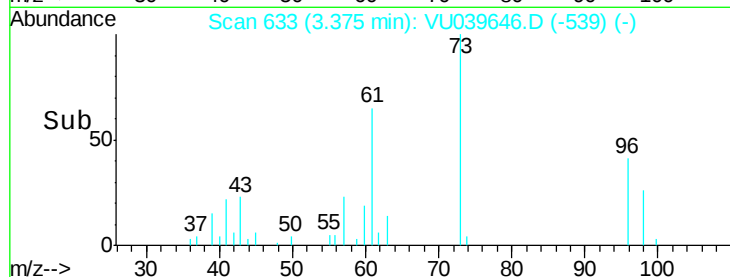
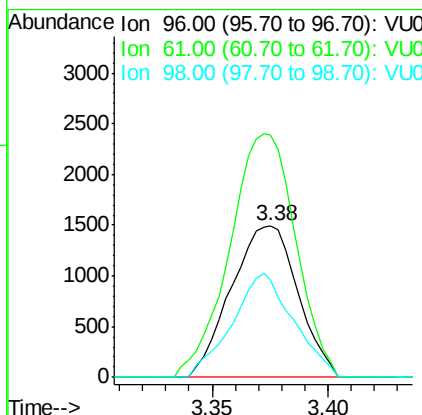
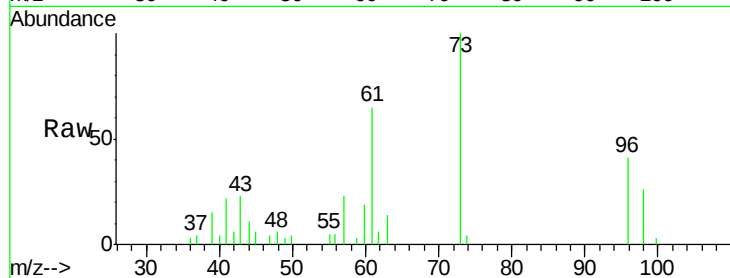
ClientSampleId :

MDL07

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.8	106.7	198.1
98	64.4	44.3	82.3

Manual Integrations
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#18

Methyl tert-butyl Ether

Concen: 2.385 ug/L

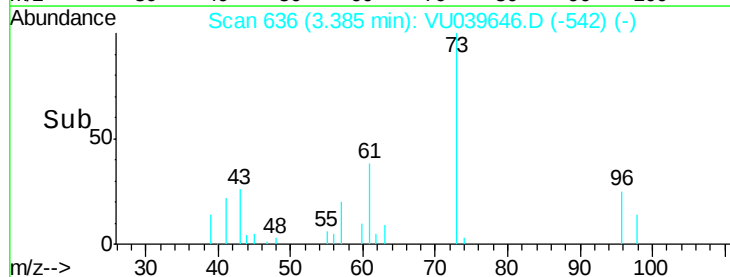
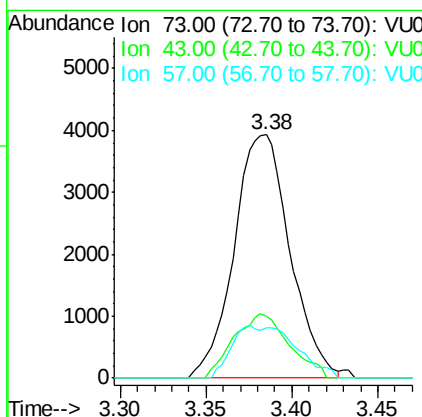
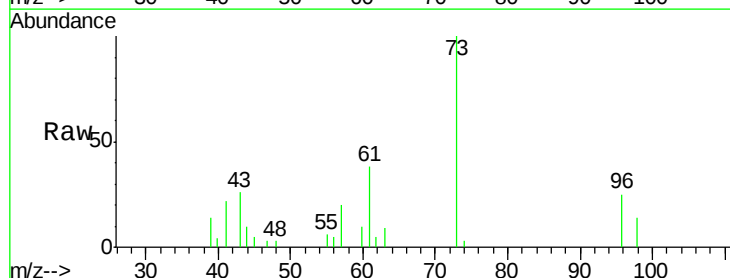
RT: 3.38 min Scan# 636

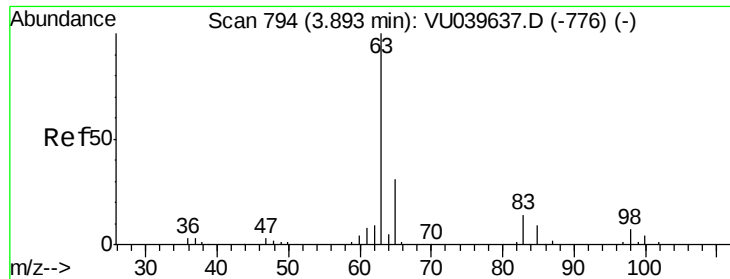
Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

Tgt Ion	Ratio	Lower	Upper
73	100		
43	26.2	18.2	27.2
57	11.4	17.4	26.2#





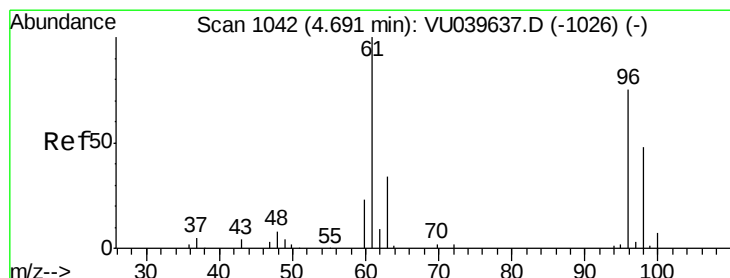
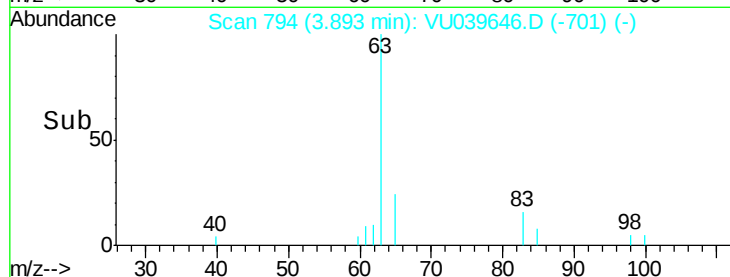
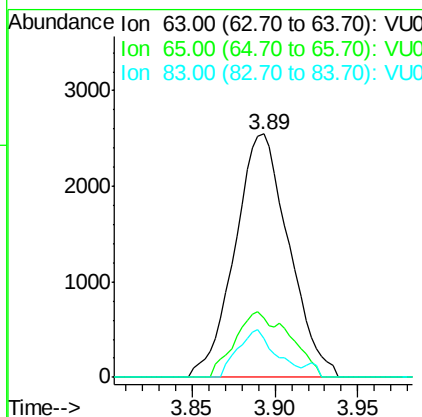
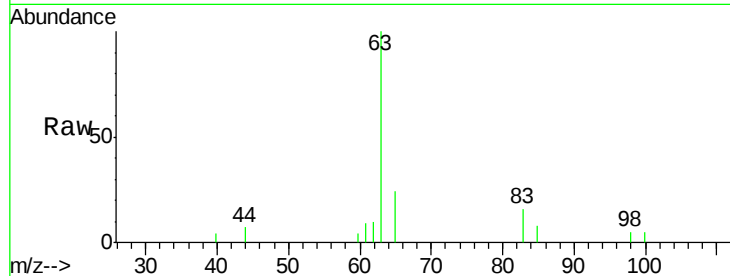
#19
 1,1-Dichloroethane
 Concen: 2.573 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion:	63	Resp:	5771
Ion	Ratio	Lower	Upper
63	100		
65	24.4	20.4	38.0
83	16.2	9.7	18.1

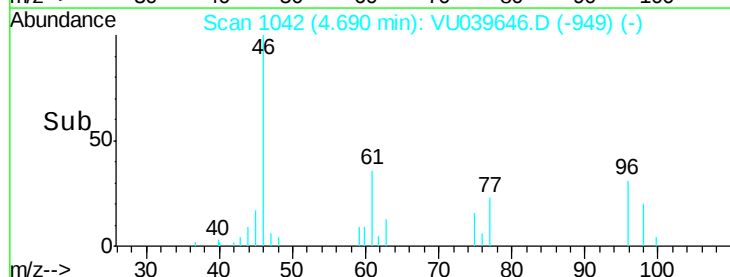
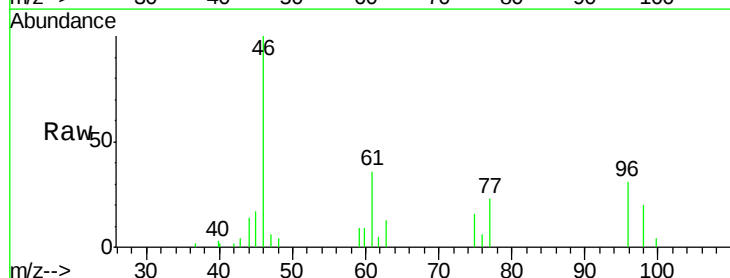
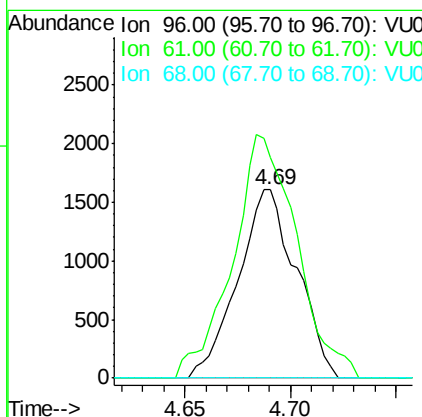
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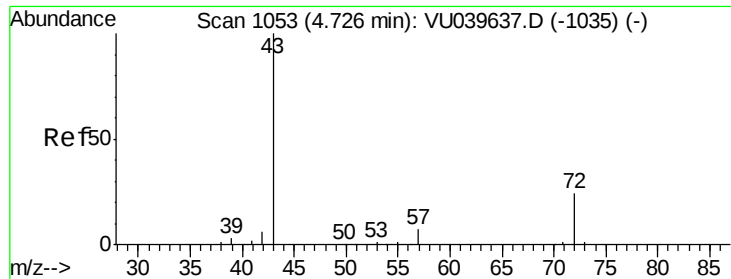
sam
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#20
 cis-1,2-Dichloroethene
 Concen: 2.362 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Tgt Ion:	96	Resp:	3103
Ion	Ratio	Lower	Upper
96	100		
61	117.0	94.0	174.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.271 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 43 Resp: 5452

Ion Ratio Lower Upper

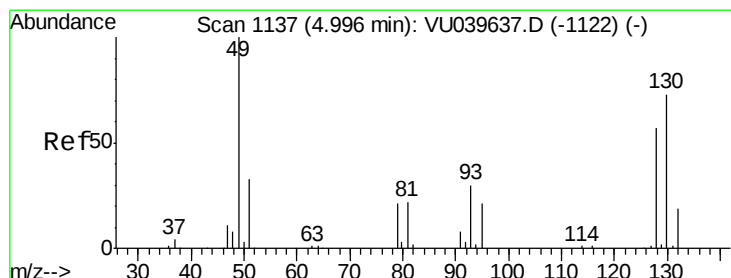
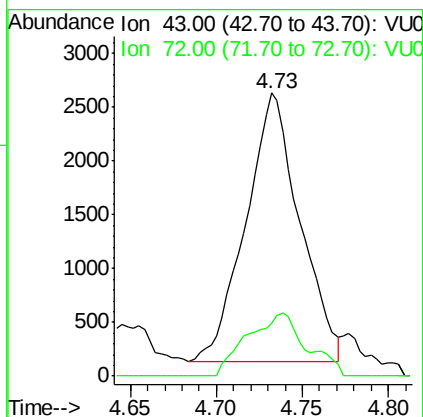
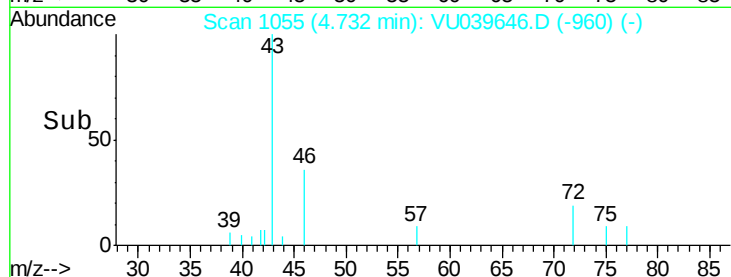
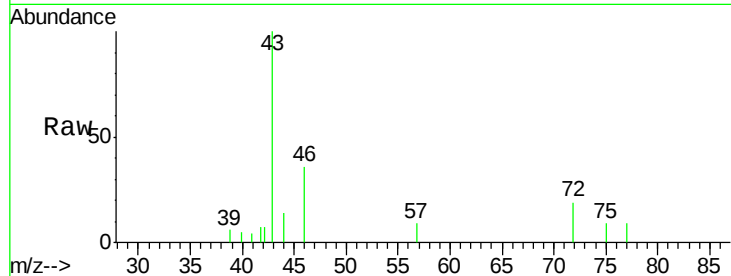
43 100

72 22.3 12.8 38.3

Manual Integrations
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#23

Bromochloromethane

Concen: 2.490 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

Tgt Ion: 128 Resp: 1644

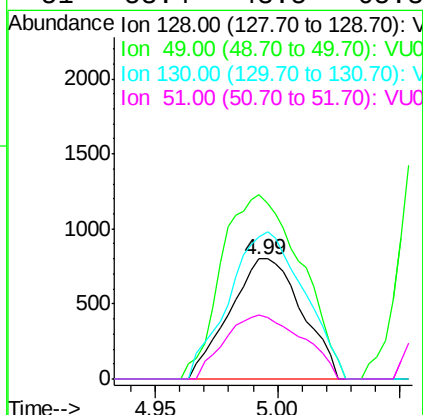
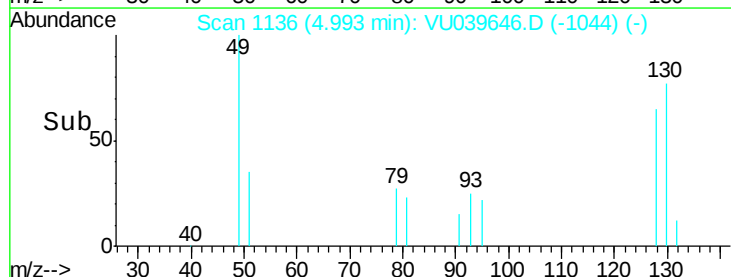
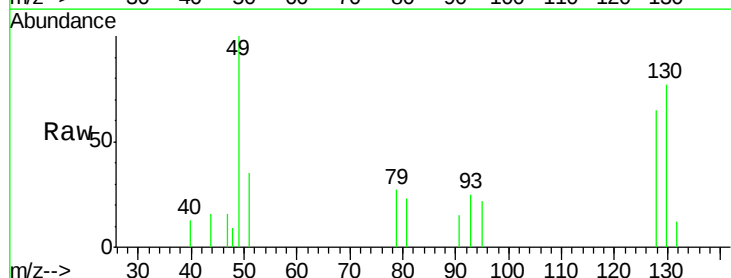
Ion Ratio Lower Upper

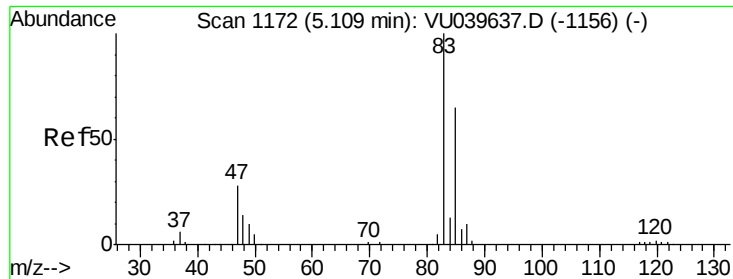
128 100

49 153.8 124.5 231.3

130 118.0 94.4 175.2

51 53.4 43.5 65.3





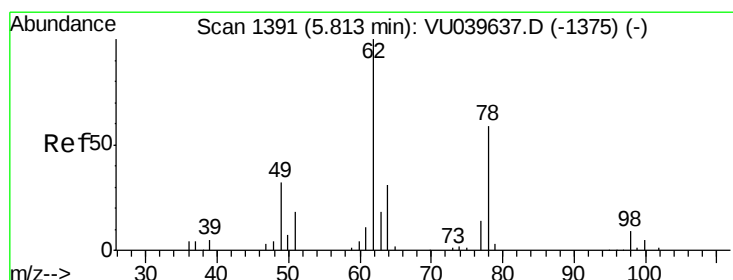
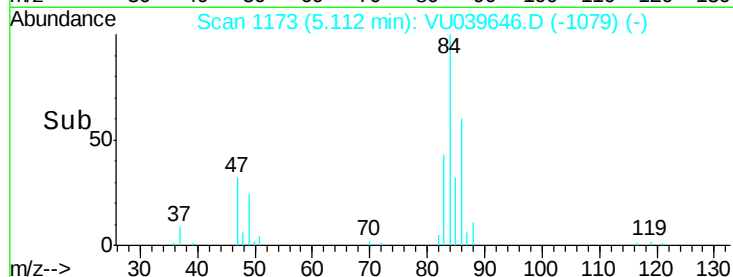
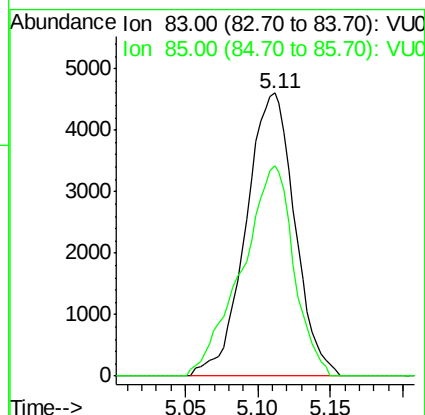
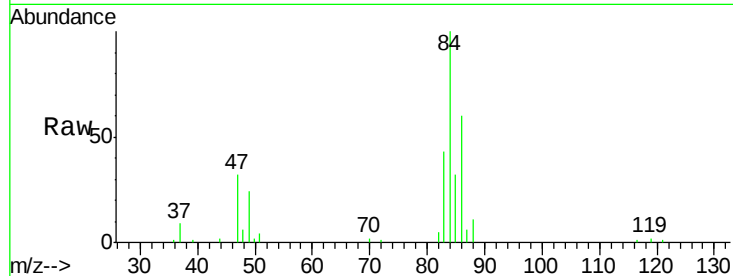
#25
Chloroform
Concen: 4.339 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 19:25

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tot Ion: 83 Resp: 10797
Ion Ratio Lower Upper
83 100
85 74.2 45.6 84.6

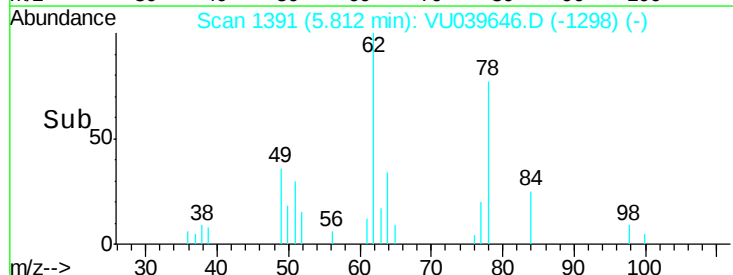
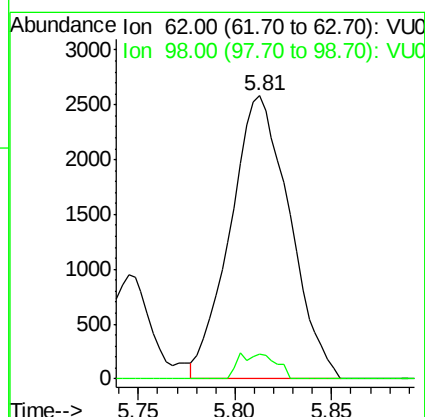
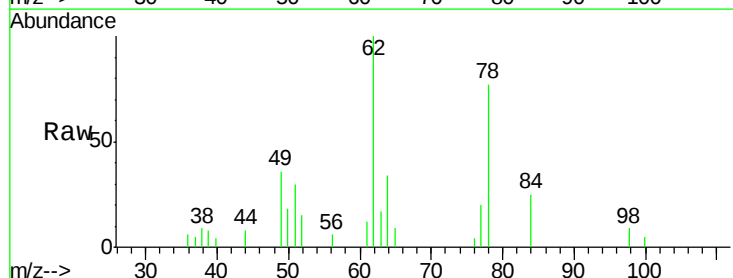
Manual Integrations
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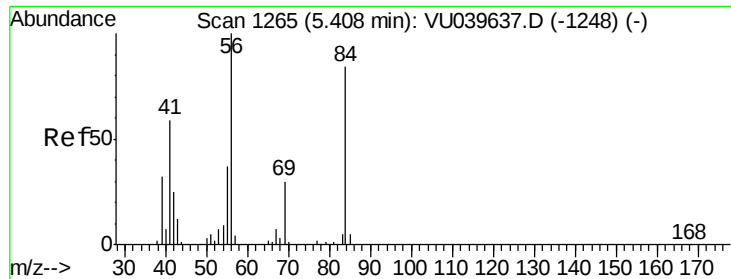
sam
7/30/2020 2:58:09 AM



#27
1,2-Dichloroethane
Concen: 2.670 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 19:25

Tgt Ion: 62 Resp: 5508
Ion Ratio Lower Upper
62 100
98 8.7 6.4 9.6





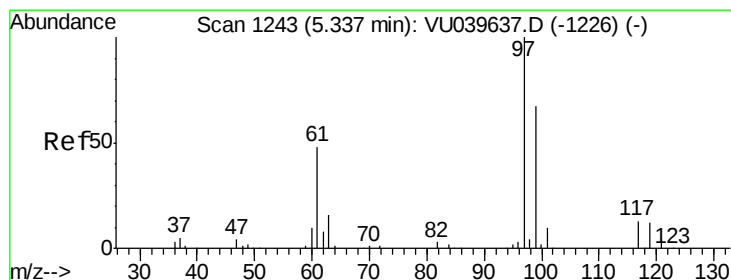
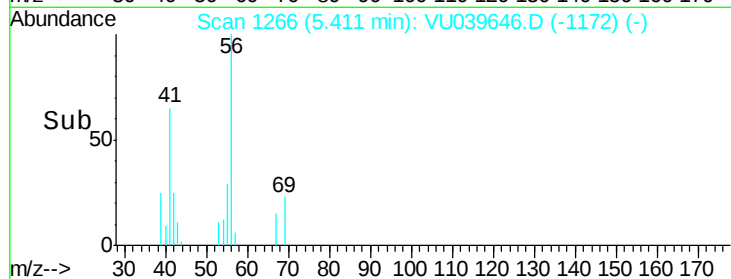
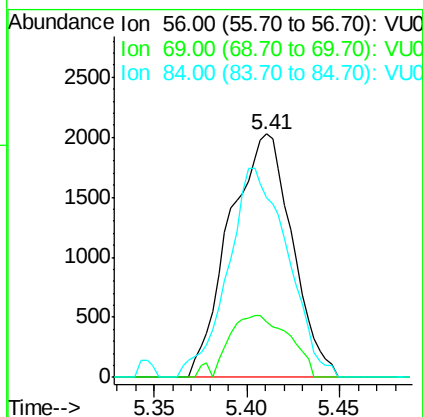
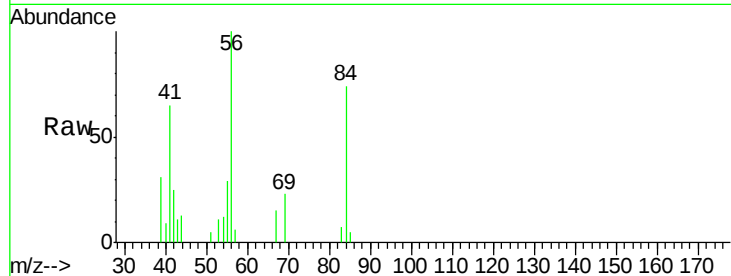
#29
Cyclohexane
Concen: 2.472 ug/L
RT: 5.41 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 19:25

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
56	100		
69	23.9	23.9	35.9
84	82.2	65.8	98.8

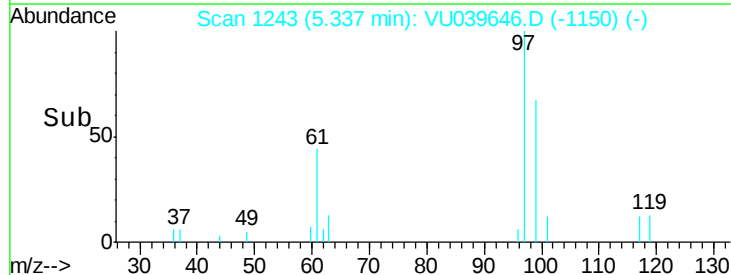
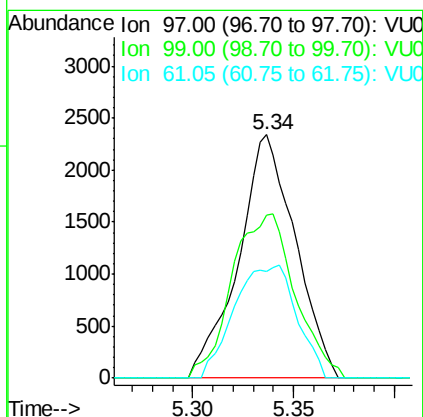
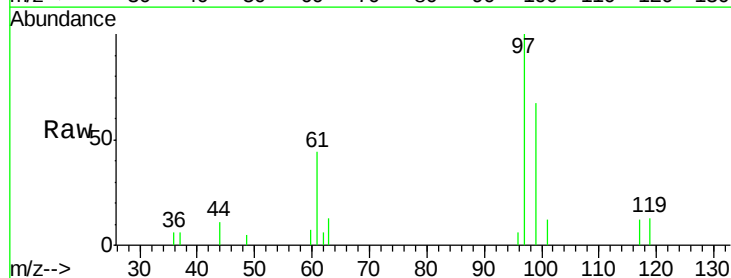
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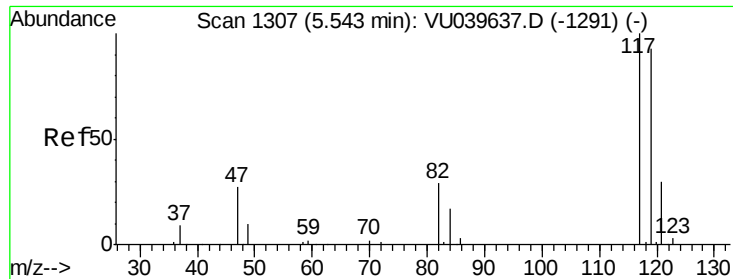
sam
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#30
1,1,1-Trichloroethane
Concen: 2.166 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 19:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	75.0	50.3	75.5
61	28.7	36.0	54.0#





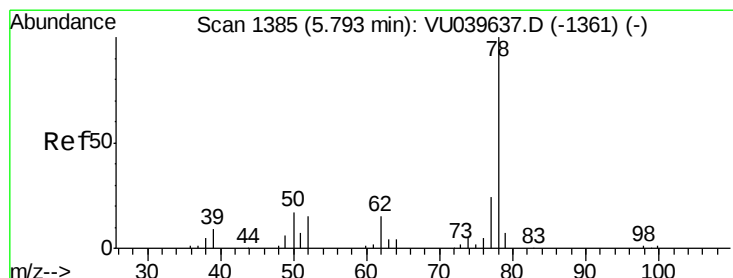
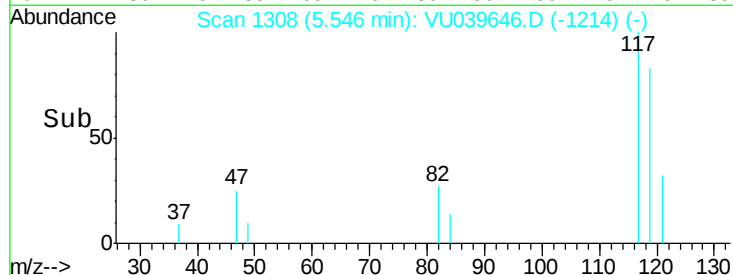
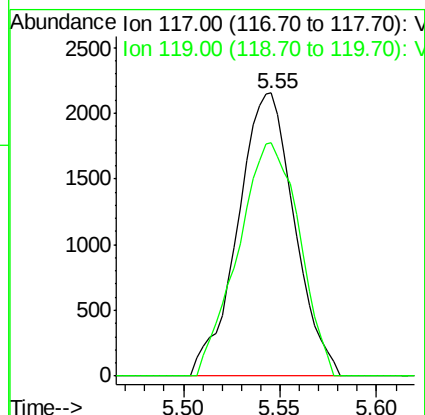
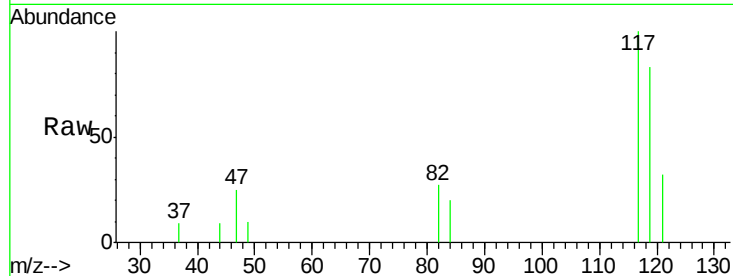
#31
Carbon tetrachloride
Concen: 2.496 ug/L
RT: 5.55 min Scan# 1308
Delta R.T. 0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 19:25

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tot Ion:117 Resp: 4381
Ion Ratio Lower Upper
117 100
119 89.3 78.2 117.4

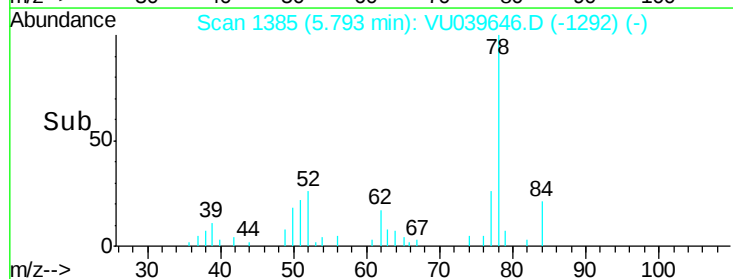
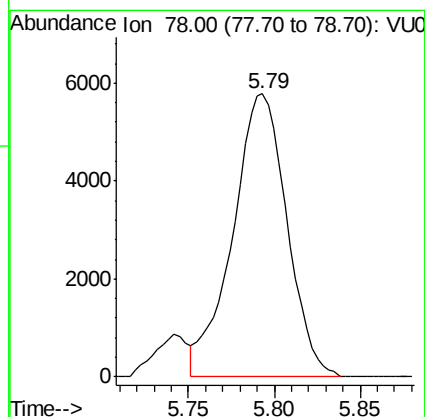
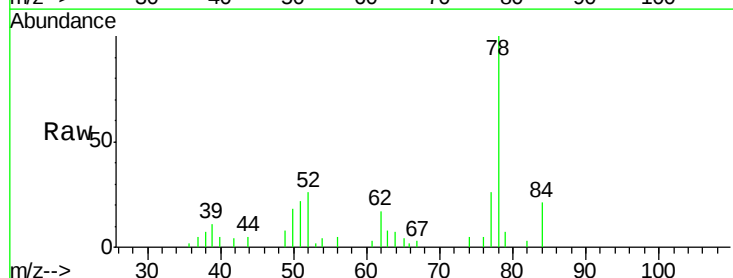
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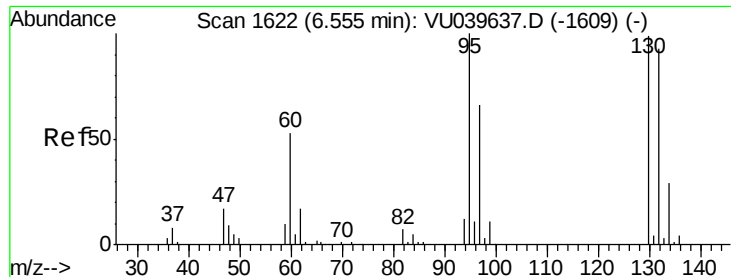
sam
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#33
Benzene
Concen: 2.600 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 19:25

Tgt Ion: 78 Resp: 12667





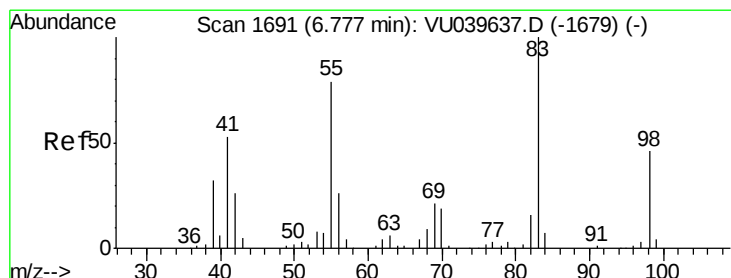
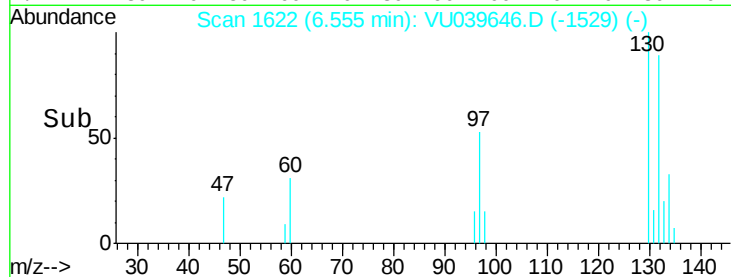
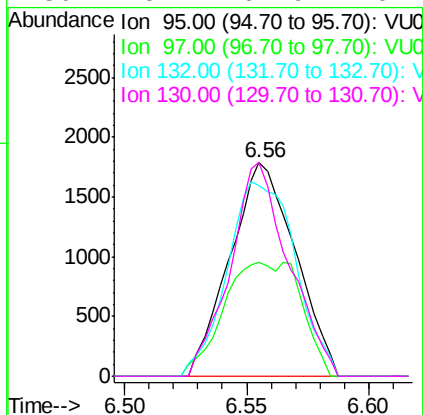
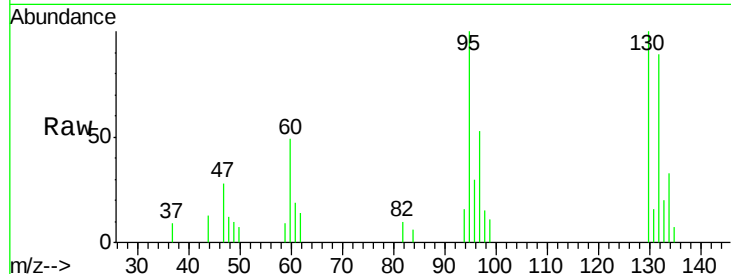
#34
 Trichloroethene
 Concen: 2.576 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tot Ion:	95	Resp:	3320
Ion	Ratio	Lower	Upper
95	100		
97	68.5	45.5	84.5
132	89.4	65.0	120.6
130	116.4	67.9	126.1

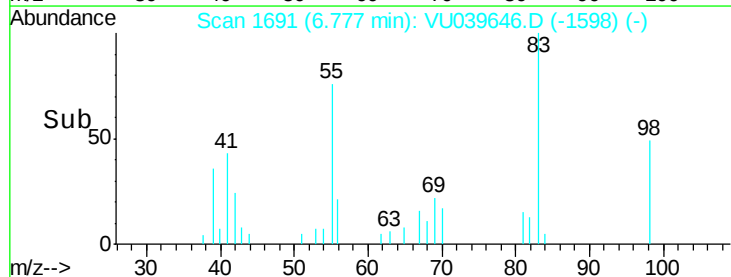
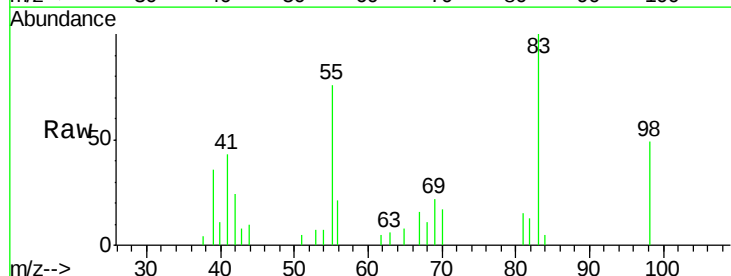
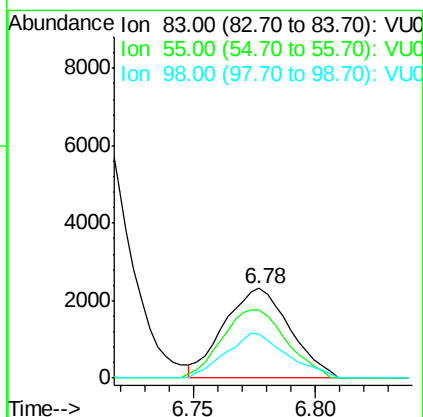
Manual Integrations
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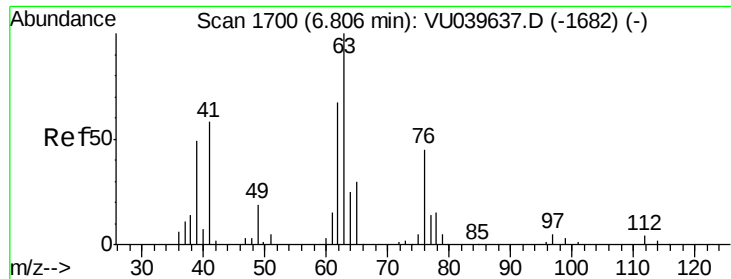
sam
 7/30/2020 2:58:09 AM



#35
 Methylcyclohexane
 Concen: 2.177 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Tgt Ion:	83	Resp:	4337
Ion	Ratio	Lower	Upper
83	100		
55	75.0	62.9	94.3
98	46.7	36.3	54.5





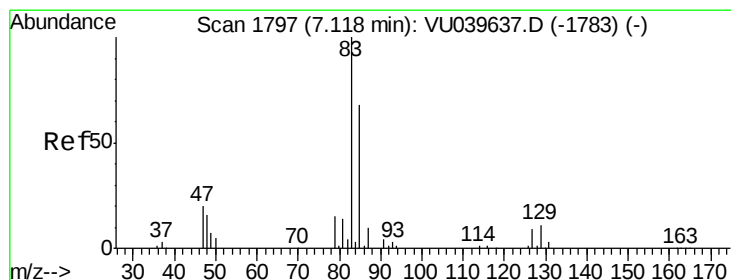
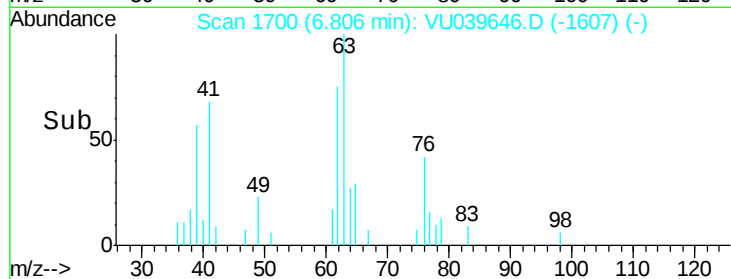
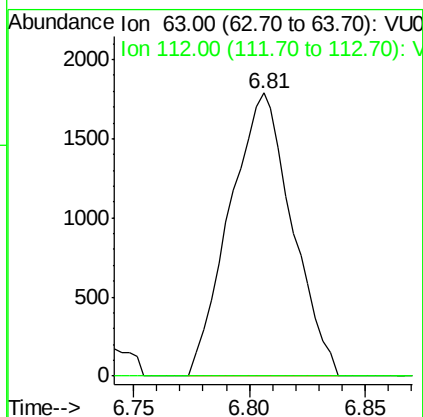
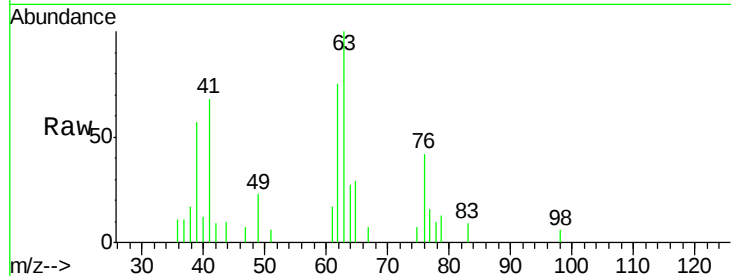
#37
 1,2-Dichloropropane
 Concen: 2.538 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion: 63 Resp: 3348
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#

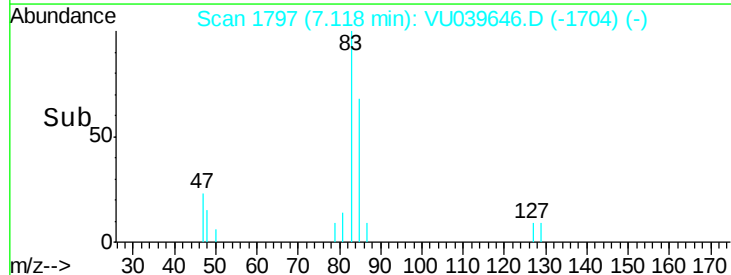
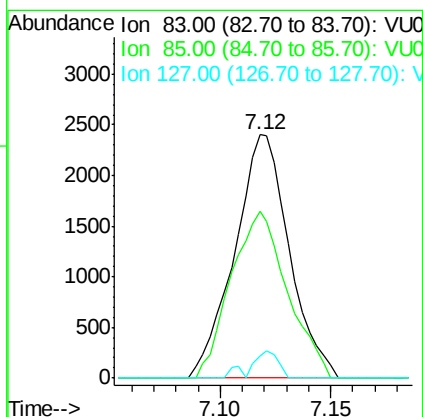
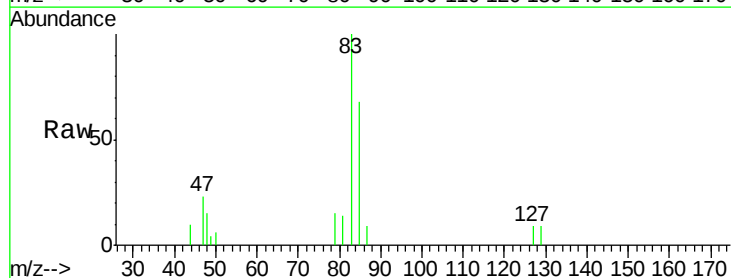
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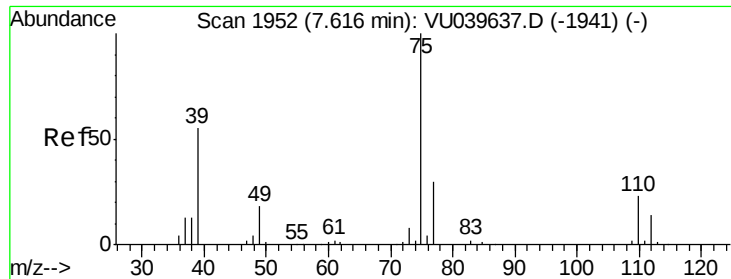
sam
 7/30/2020 2:58:09 AM



#38
 Bromodichloromethane
 Concen: 2.362 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Tgt Ion: 83 Resp: 4138
 Ion Ratio Lower Upper
 83 100
 85 68.3 45.9 85.3
 127 9.0 7.4 11.2





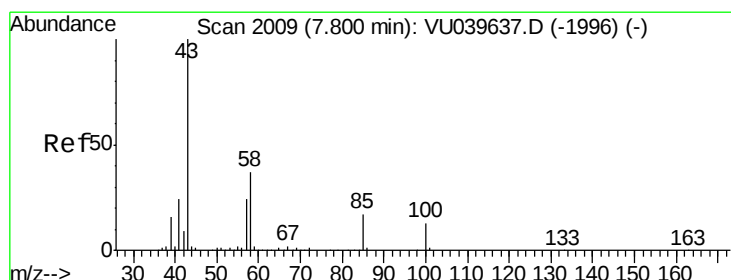
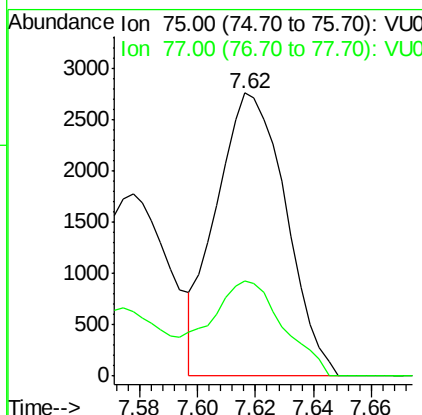
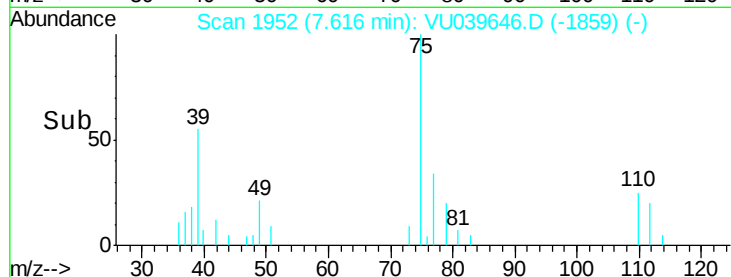
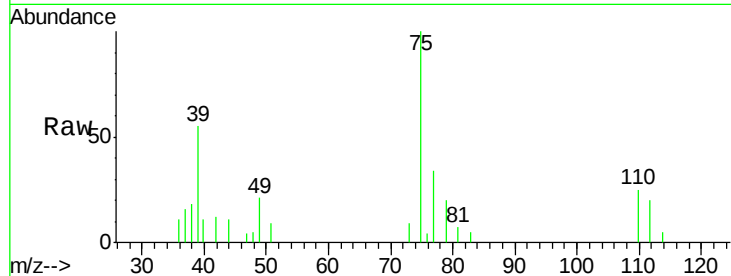
#39
 cis-1,3-Dichloropropene
 Concen: 2.331 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion: 75 Resp: 4596
 Ion Ratio Lower Upper
 75 100
 77 33.5 21.8 40.6

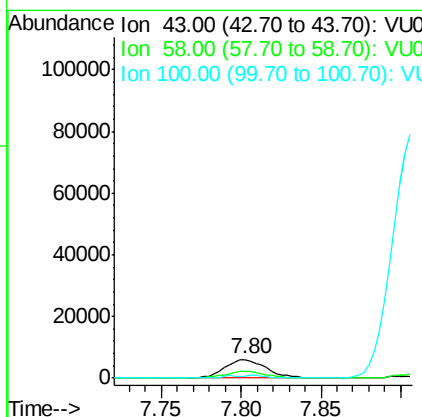
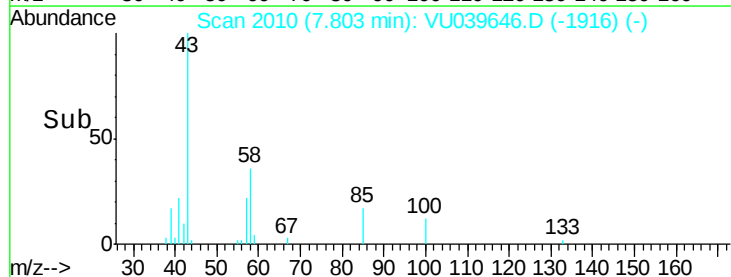
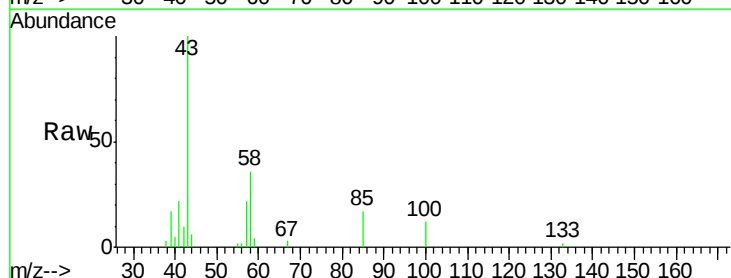
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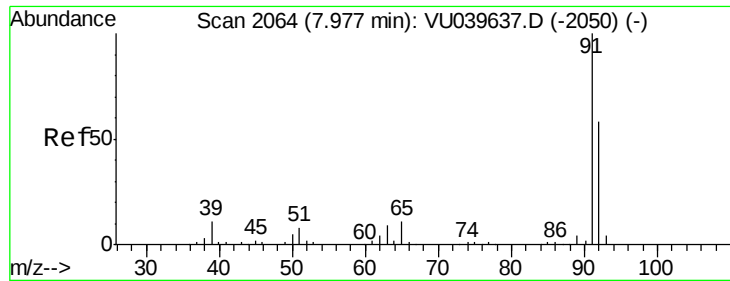
sam
 7/30/2020 2:58:09 AM



#40
 4-Methyl-2-pentanone
 Concen: 4.724 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Tgt Ion: 43 Resp: 10856
 Ion Ratio Lower Upper
 43 100
 58 34.9 29.1 43.7
 100 8.5 10.6 16.0#





#42

Toluene

Concen: 2.406 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 91 Resp: 12891

Ion Ratio Lower Upper

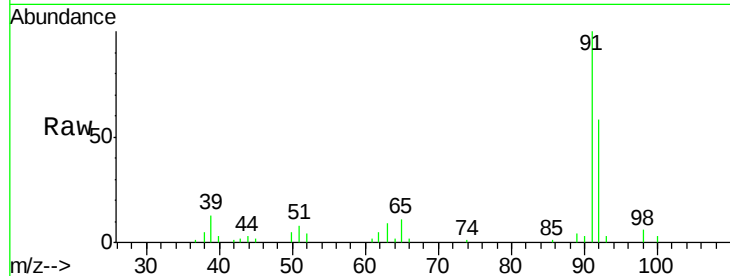
91 100

92 58.2 40.1 74.5

Manual Integrations
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sam

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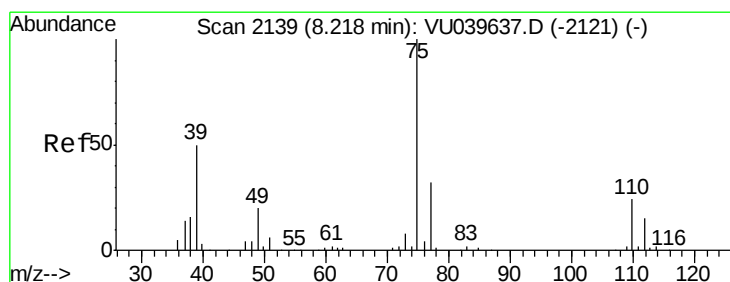
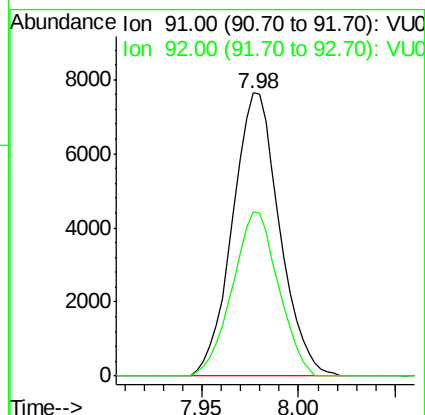
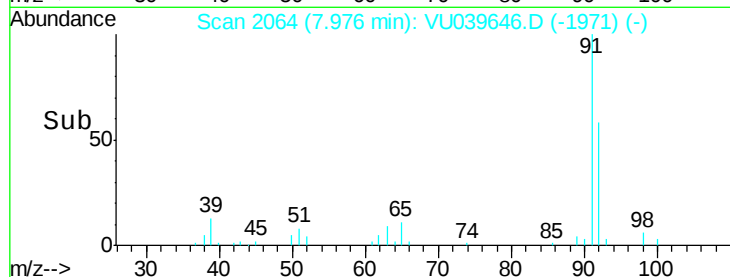
Abundance Ion 91.00 (90.70 to 91.70): VU039637.D (-2050) (-)

Ion 92.00 (91.70 to 92.70): VU039637.D (-2050) (-)

7.98

7.95

8.00



#44

trans-1,3-Dichloropropene

Concen: 2.641 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039646.D

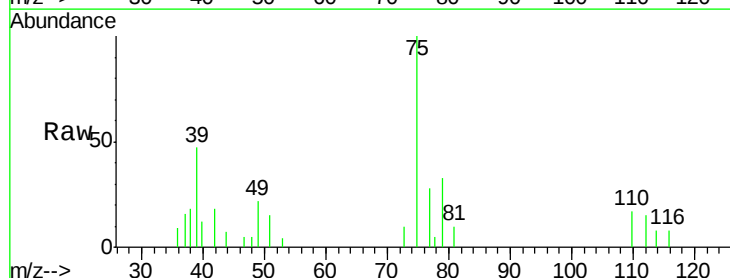
Acq: 23 Jul 2020 19:25

Tgt Ion: 75 Resp: 5098

Ion Ratio Lower Upper

75 100

77 27.9 22.7 42.1



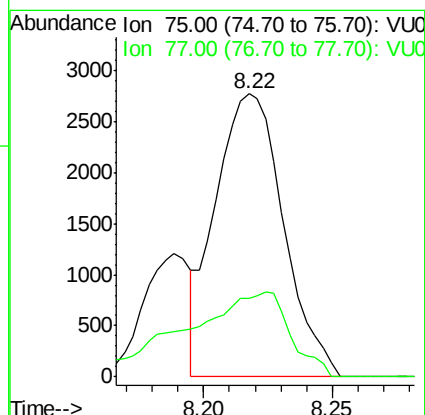
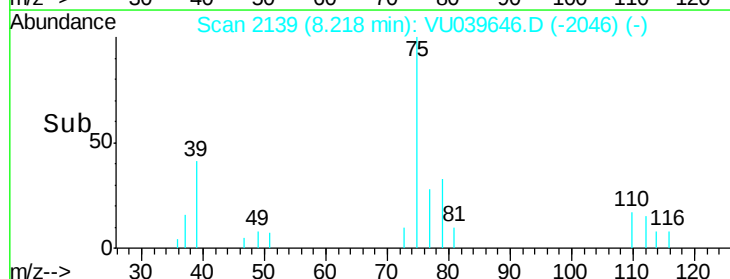
Abundance Ion 75.00 (74.70 to 75.70): VU039637.D (-2121) (-)

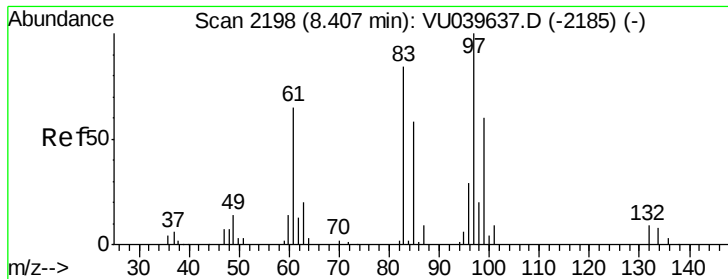
Ion 77.00 (76.70 to 77.70): VU039637.D (-2121) (-)

8.22

8.20

8.25





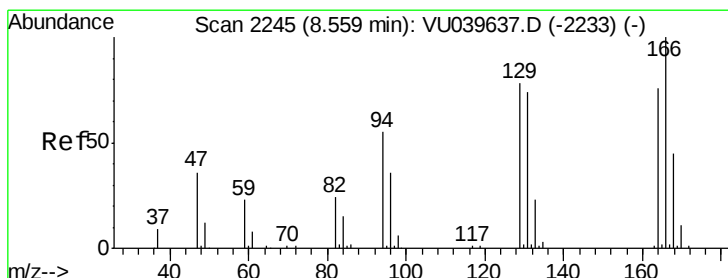
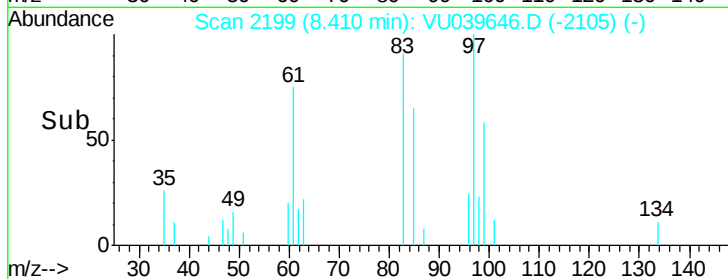
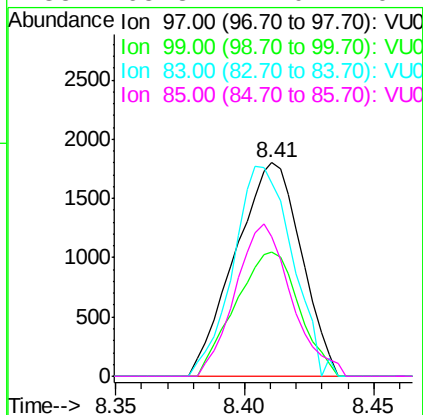
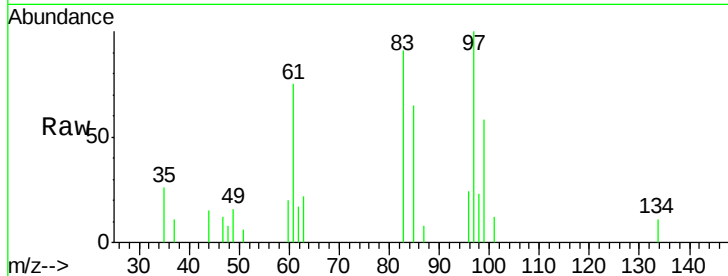
#45
1,1,2-Trichloroethane
Concen: 2.553 ug/L
RT: 8.41 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion:	97	Resp:	3211
Ion	Ratio	Lower	Upper
97	100		
99	58.4	45.1	83.9
83	90.7	62.7	116.5
85	65.3	41.0	76.2

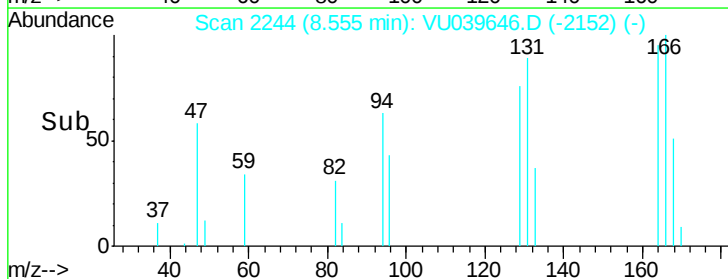
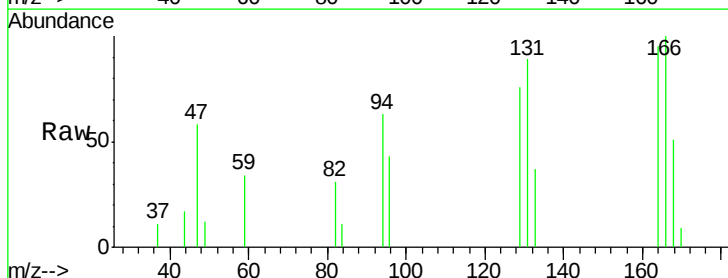
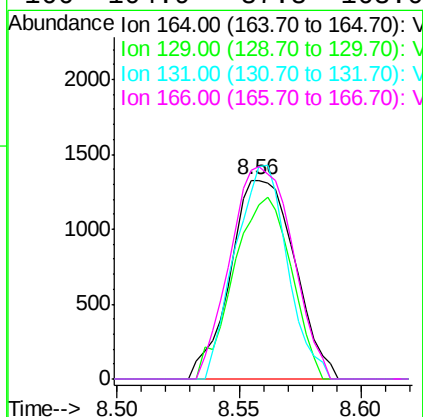
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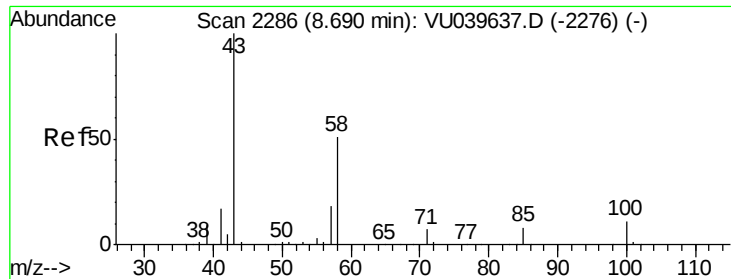
sam
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#46
Tetrachloroethene
Concen: 2.493 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 19:25

Tgt Ion:	164	Resp:	2430
Ion	Ratio	Lower	Upper
164	100		
129	80.0	71.1	132.1
131	93.7	70.3	130.5
166	104.9	87.8	163.0





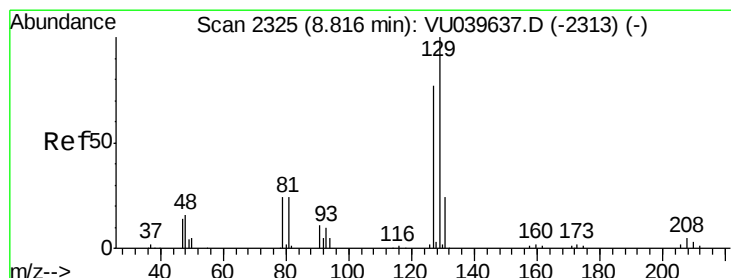
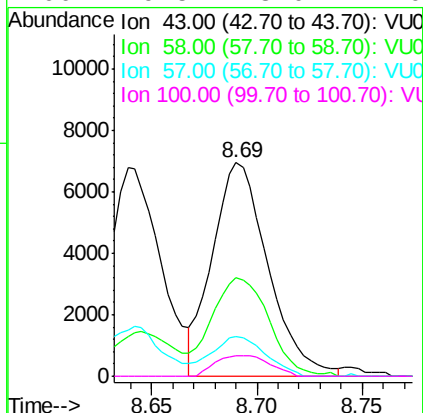
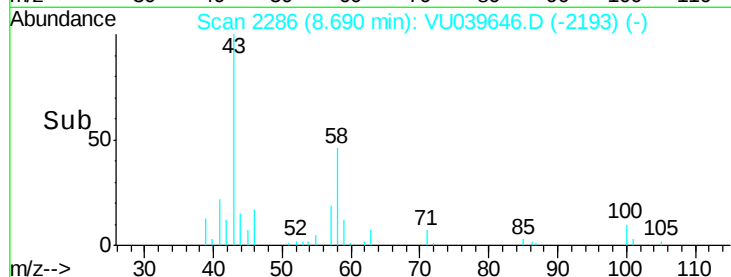
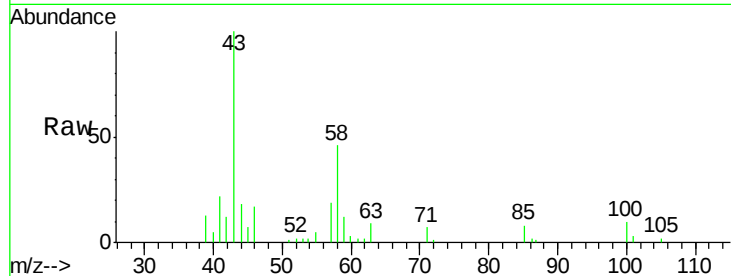
#48
2-Hexanone
Concen: 6.818 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion:	43	Resp:	12766
Ion Ratio	Lower	Upper	
43	100		
58	48.0	40.6	61.0
57	18.2	14.5	21.7
100	9.5	8.0	12.0

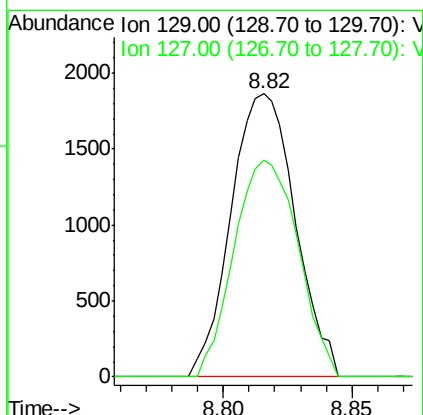
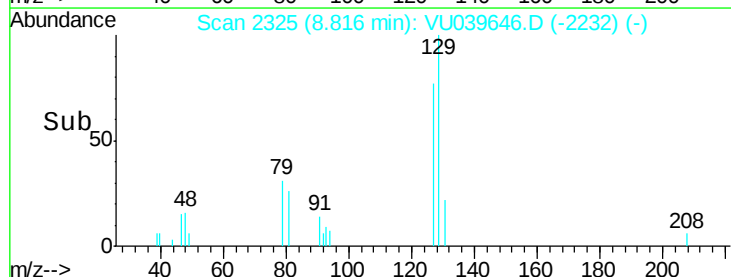
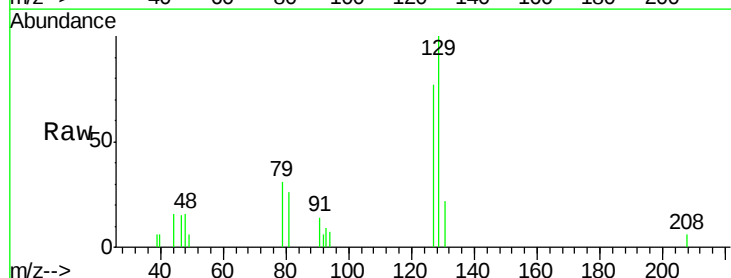
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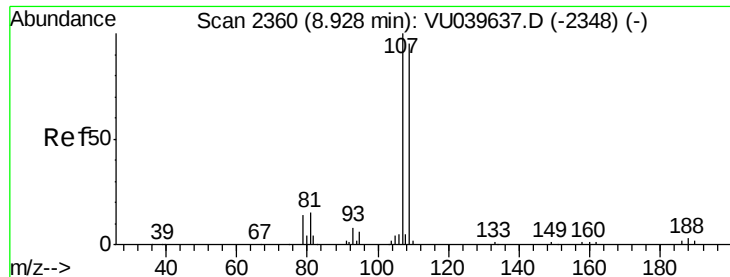
sam
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#49
Dibromochloromethane
Concen: 2.283 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 19:25

Tgt Ion:	129	Resp:	3242
Ion Ratio	Lower	Upper	
129	100		
127	76.5	54.3	100.9





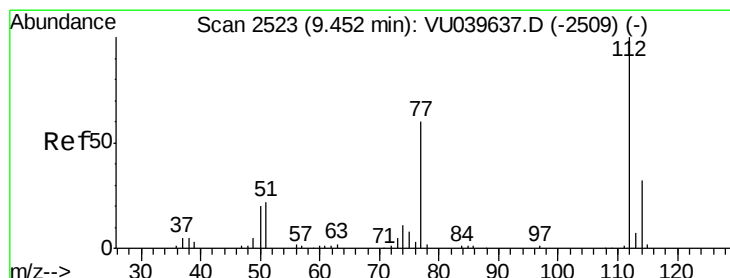
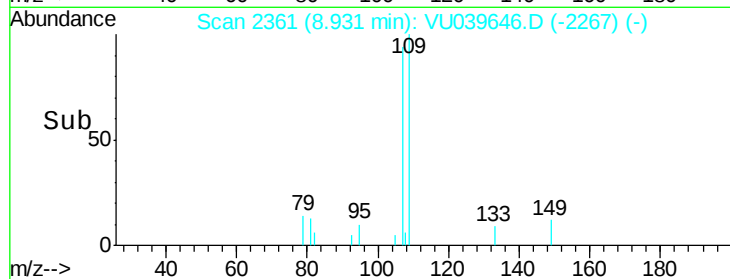
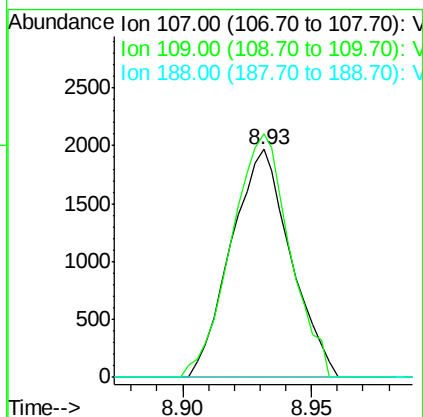
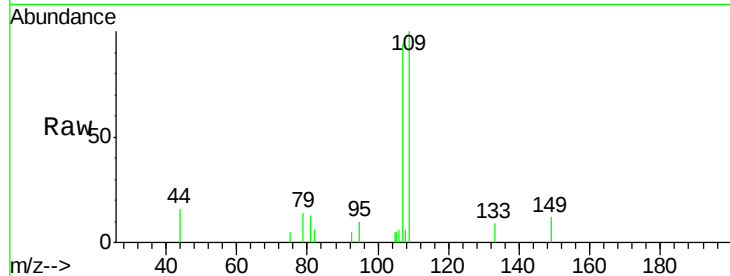
#50
 1,2-Dibromoethane
 Concen: 2.273 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
107	100		
109	106.8	66.8	124.2
188	0.0	3.0	4.4#

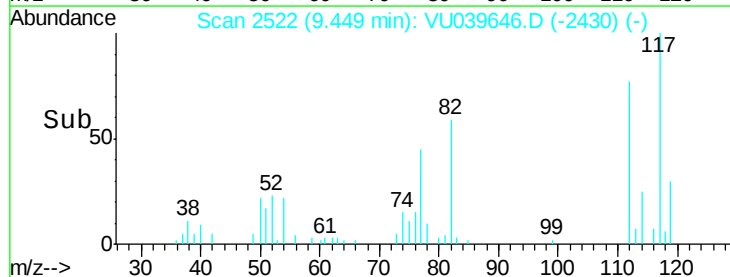
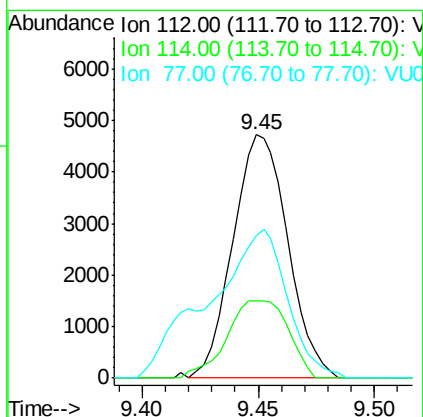
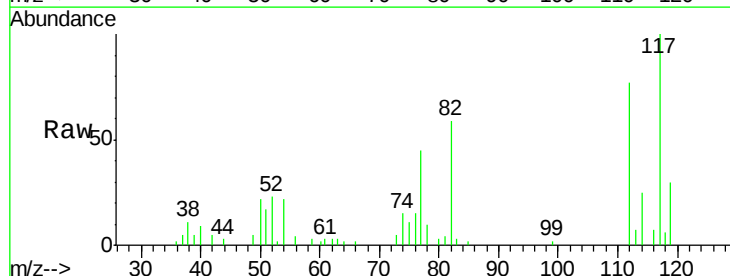
Manual Integrations
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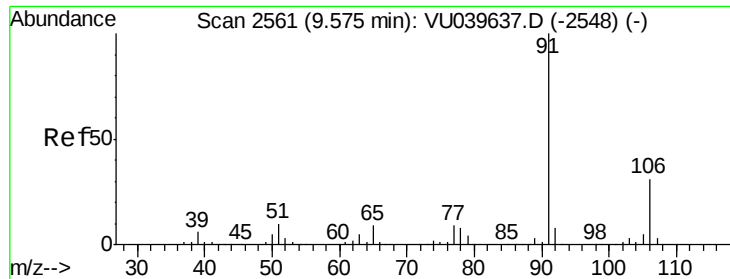
sam
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#51
 Chlorobenzene
 Concen: 2.274 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.9	42.5
77	58.5	49.4	74.0





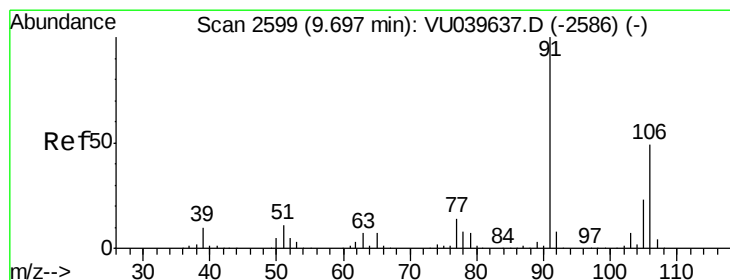
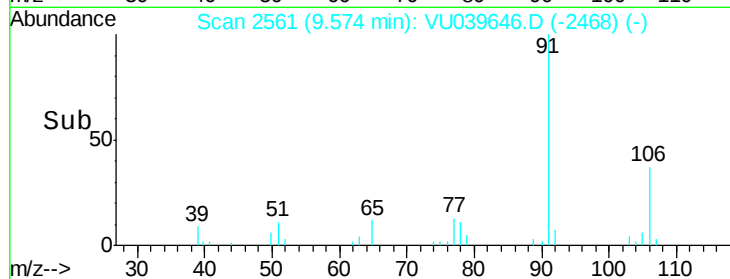
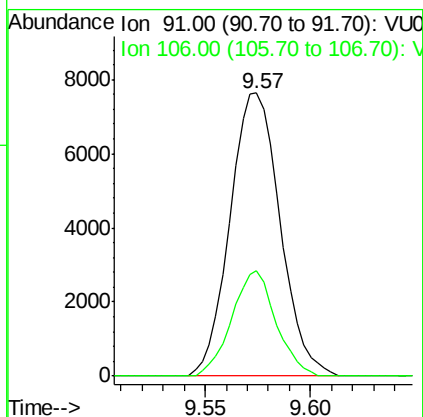
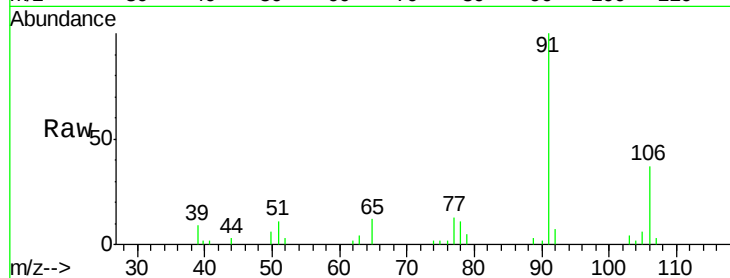
#52
Ethylbenzene
Concen: 2.130 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. -0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 19:25

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tot Ion: 91 Resp: 12610
Ion Ratio Lower Upper
91 100
106 37.1 21.1 39.1

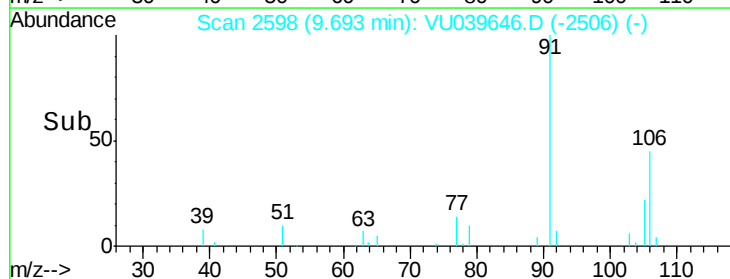
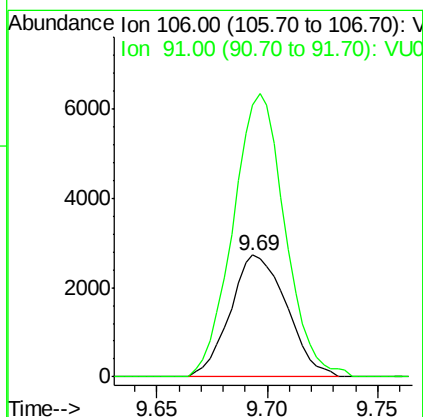
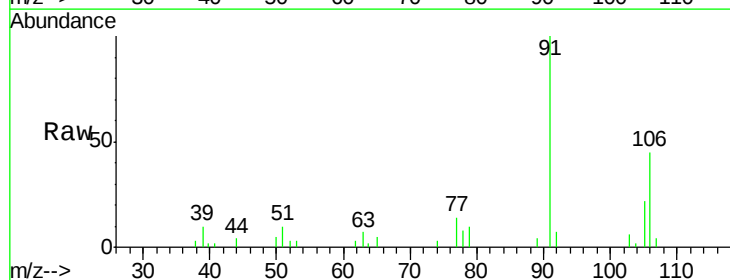
Manual Integrations
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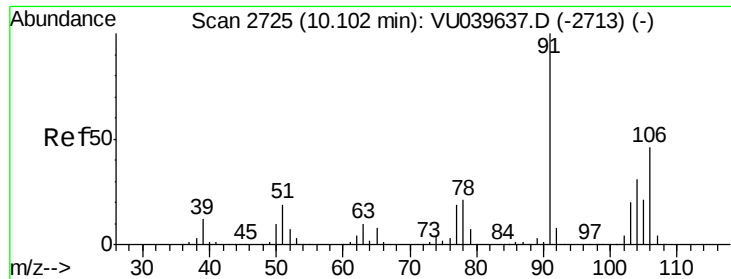
sam
7/30/2020 2:58:09 AM



#53
m,p-Xylene
Concen: 2.161 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU039646.D
Acq: 23 Jul 2020 19:25

Tgt Ion: 106 Resp: 4823
Ion Ratio Lower Upper
106 100
91 223.4 149.7 277.9





#54

o-xylene

Concen: 2.278 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion:106 Resp: 4880

Ion Ratio Lower Upper

106 100

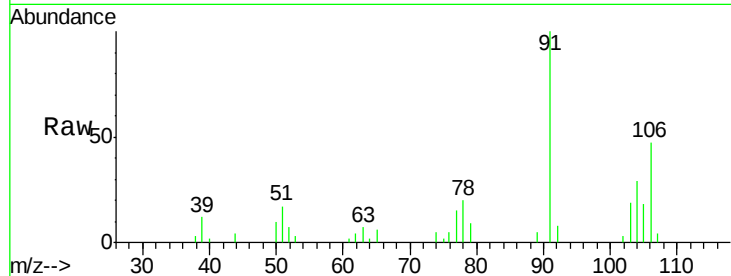
91 211.6 155.1 288.1

Manual Integrations

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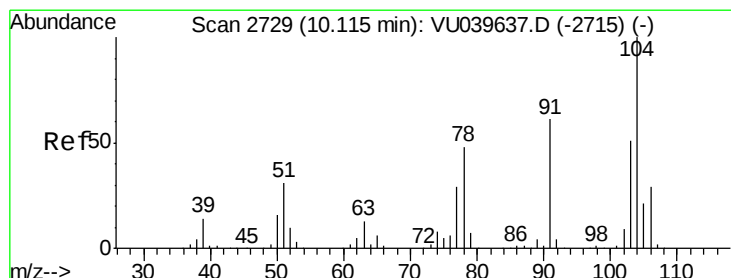
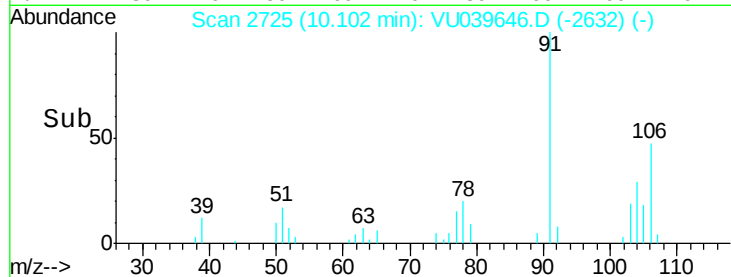
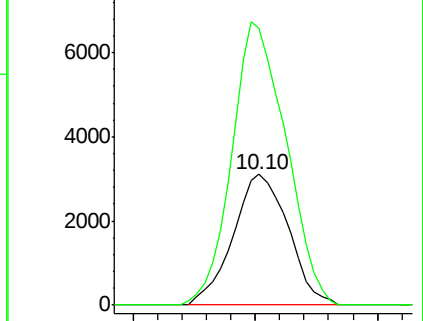
sam

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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: 2.160 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU039646.D

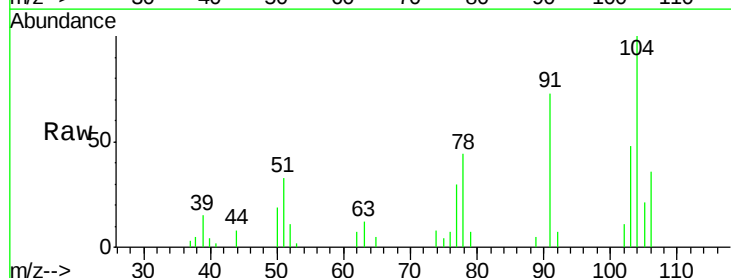
Acq: 23 Jul 2020 19:25

Tgt Ion:104 Resp: 8005

Ion Ratio Lower Upper

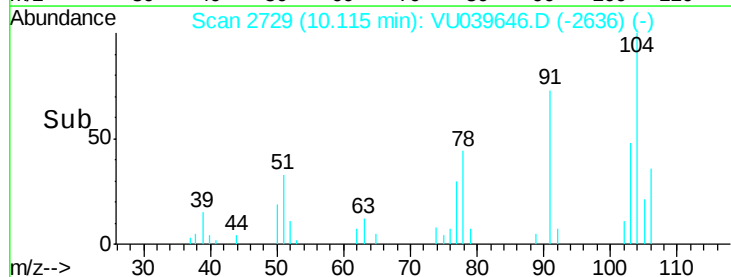
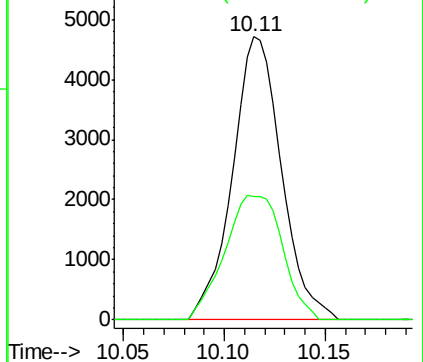
104 100

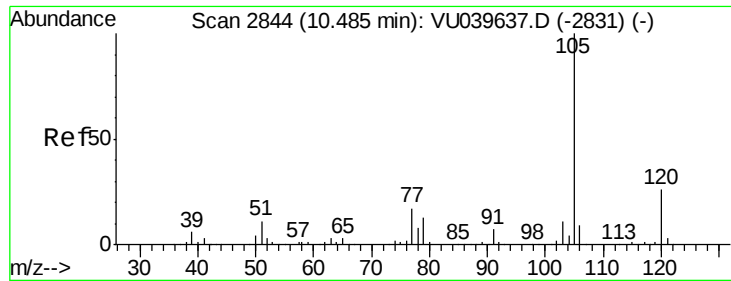
78 43.8 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 2.059 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

ClientSampled :

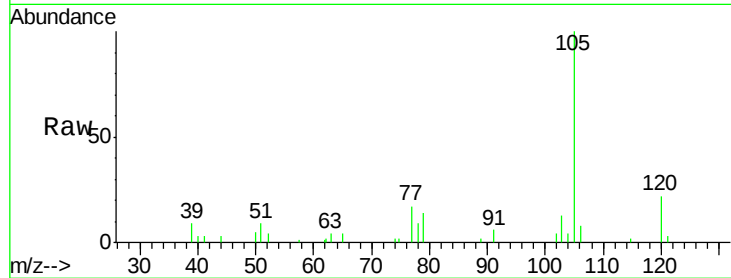
MDL07

Tot Ion:	105	Resp:	11974
Ion Ratio	Lower	Upper	
105	100		
120	23.1	20.6	31.0
77	16.9	13.4	20.2

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sam

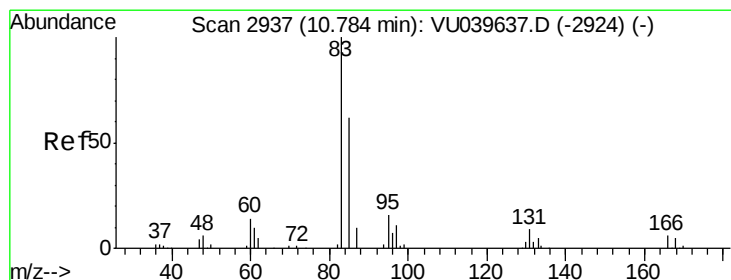
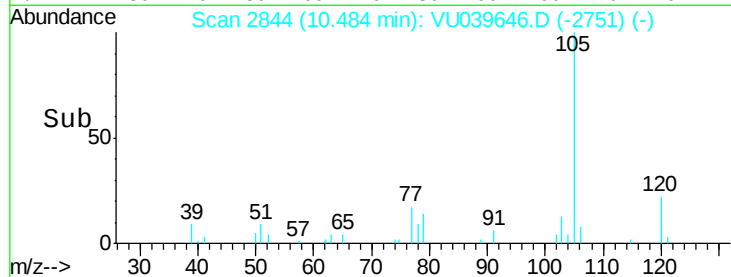
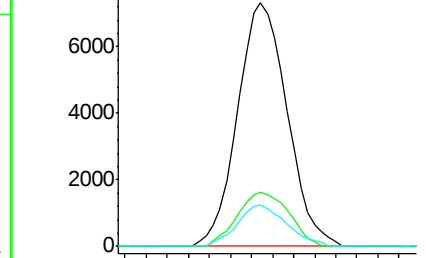
7/30/2020 2:58:09 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.633 ug/L

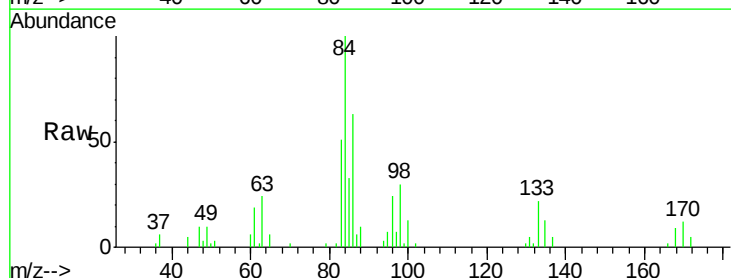
RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

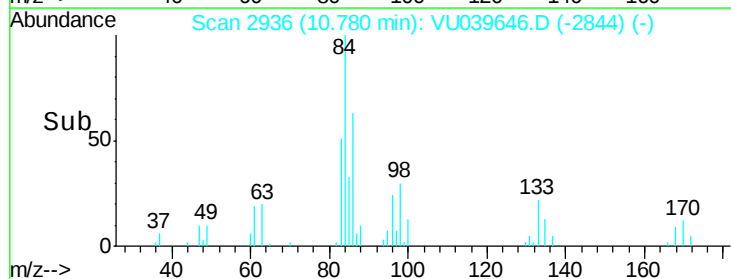
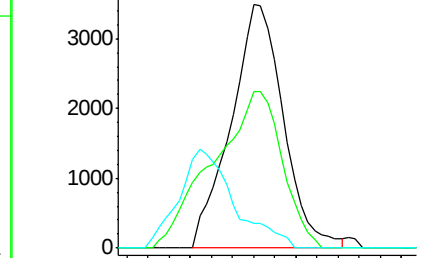
Tgt Ion:	83	Resp:	6037
Ion Ratio	Lower	Upper	
83	100		
85	64.4	46.4	86.2
131	10.3	7.8	11.6

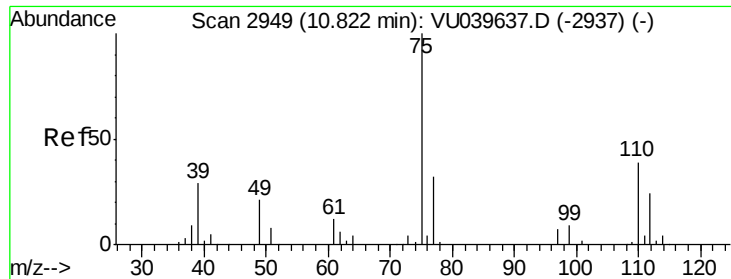


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





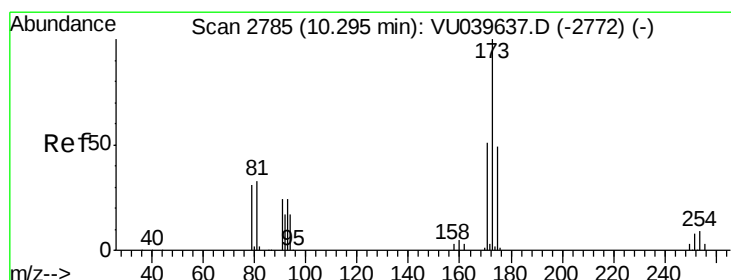
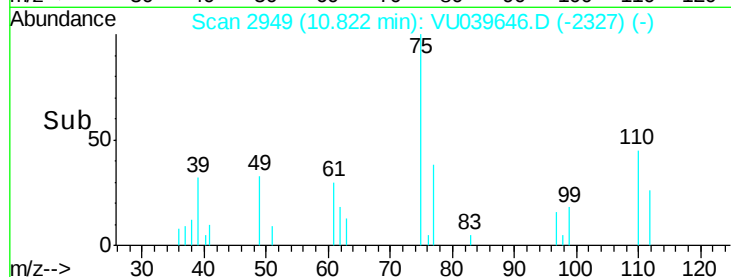
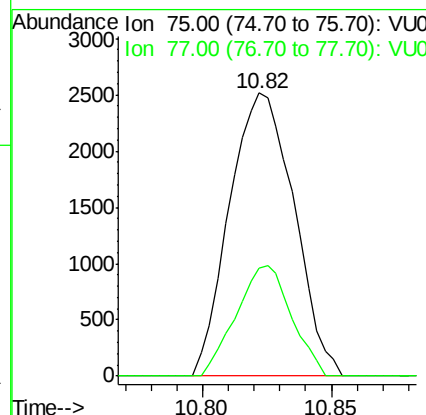
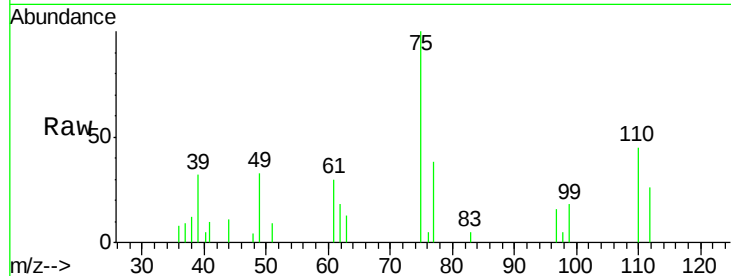
#59
 1,2,3-Trichloropropane
 Concen: 2.294 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion: 75 Resp: 4391
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.4 38.2

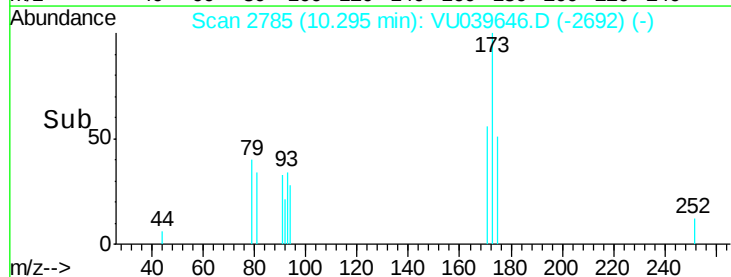
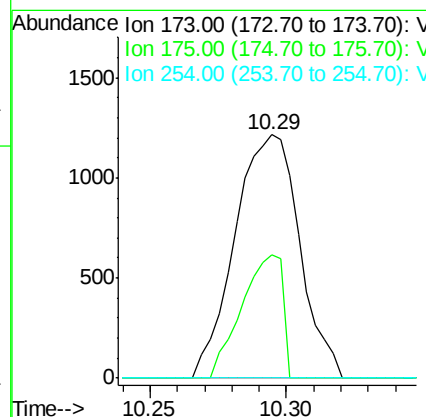
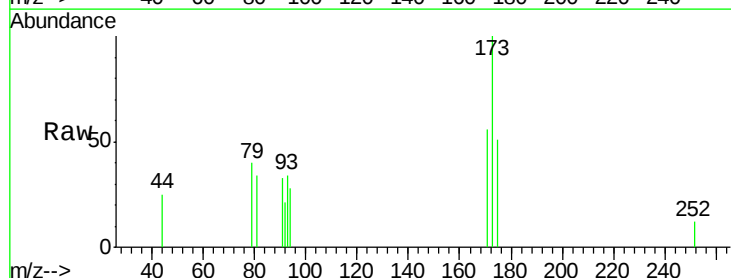
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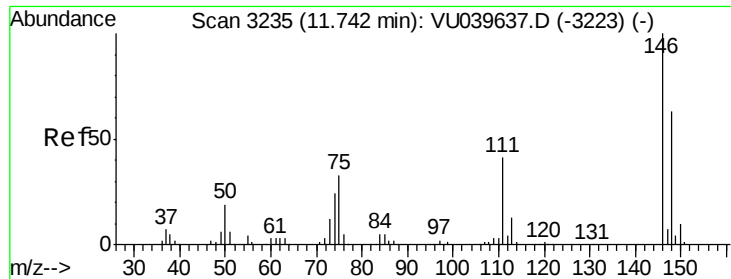
sam
 7/30/2020 2:58:09 AM



#61
 Bromoform
 Concen: 2.082 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. -0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Tgt Ion: 173 Resp: 1997
 Ion Ratio Lower Upper
 173 100
 175 32.1 38.4 57.6#
 254 0.0 7.0 10.6#





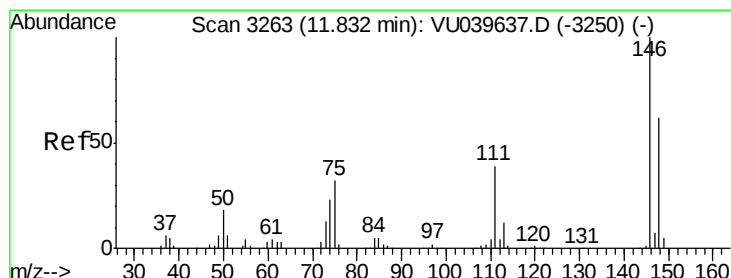
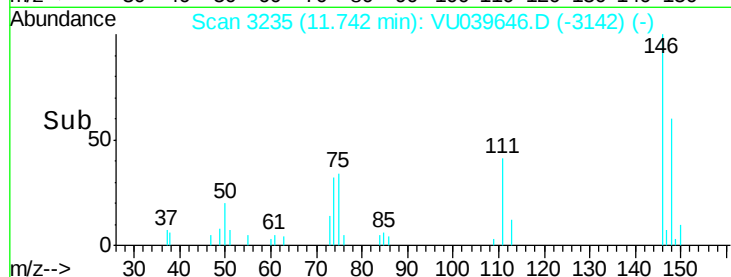
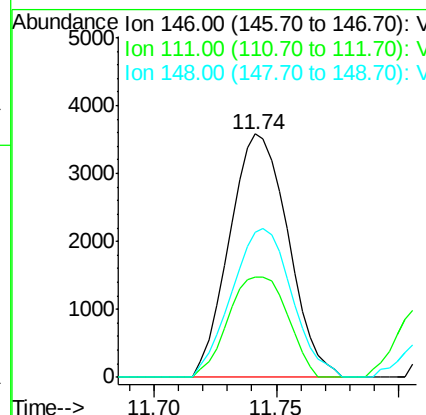
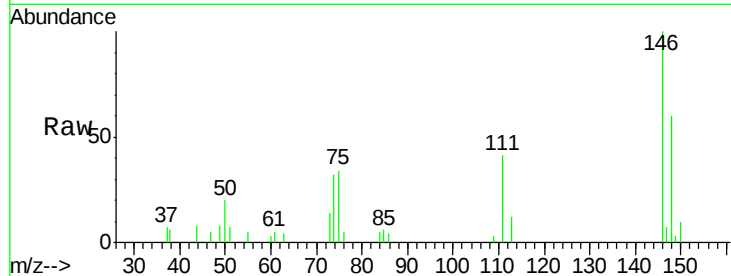
#62
 1,3-Dichlorobenzene
 Concen: 2.406 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	29.3	54.3
148	62.7	46.1	85.5

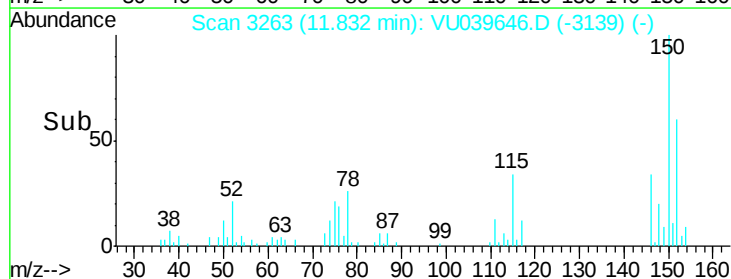
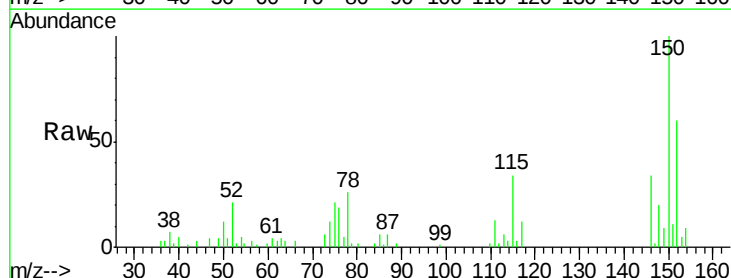
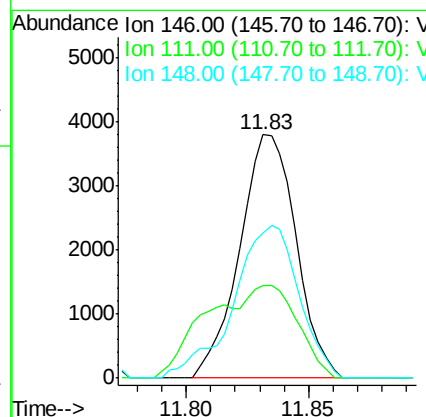
Manual Integrations
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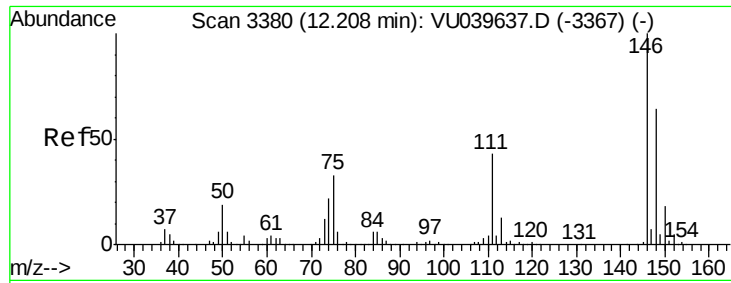
sam
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#63
 1,4-Dichlorobenzene
 Concen: 2.451 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	27.8	51.6
148	59.4	44.7	83.1





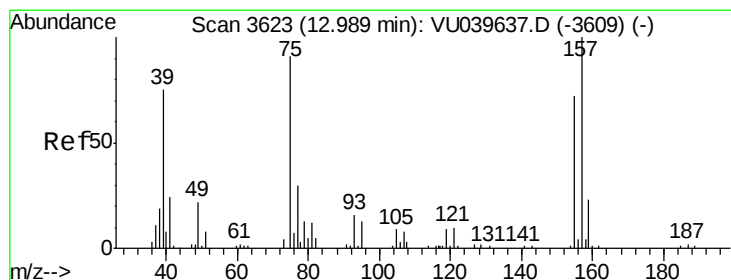
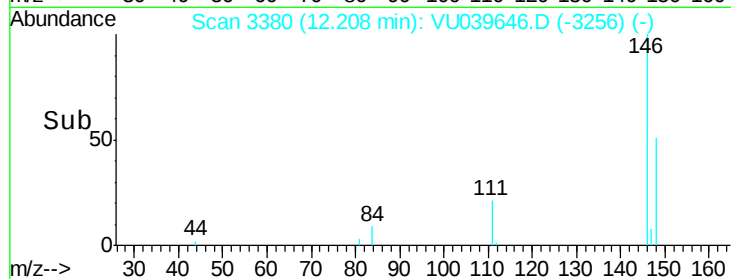
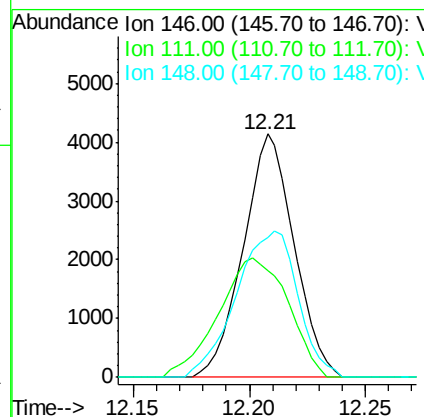
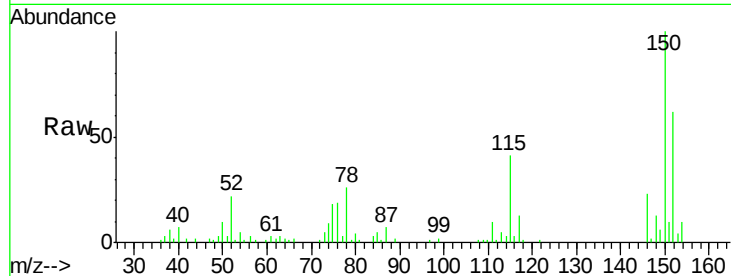
#65
 1,2-Dichlorobenzene
 Concen: 2.518 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	34.8	52.2
148	57.7	52.5	78.7

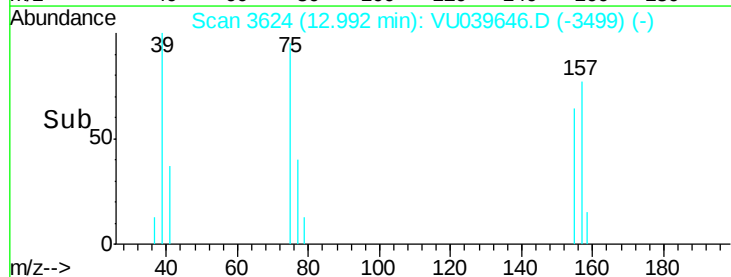
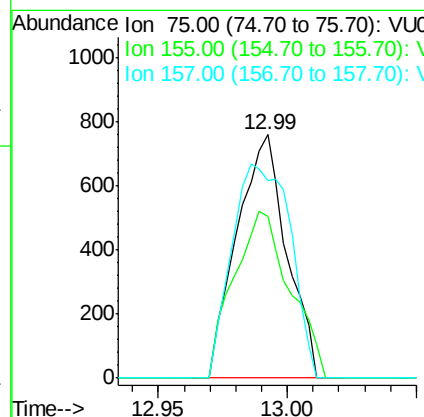
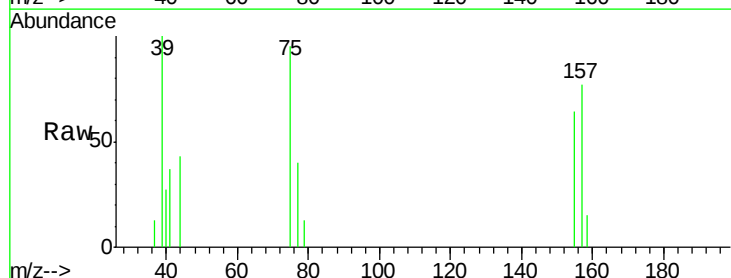
Manual Integrations
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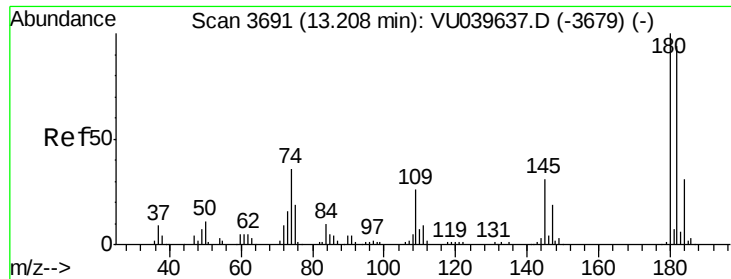
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.037 ug/L
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.6	62.4	93.6
157	80.9	78.9	118.3





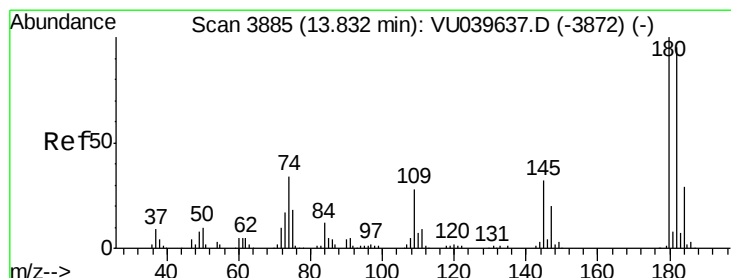
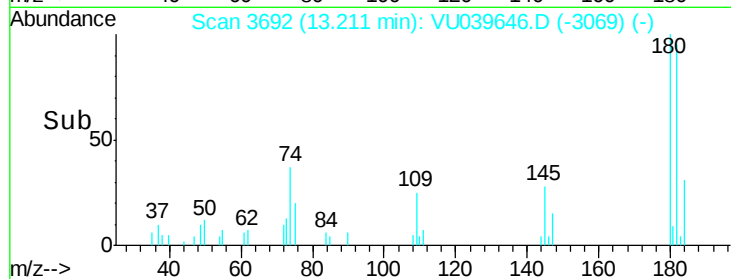
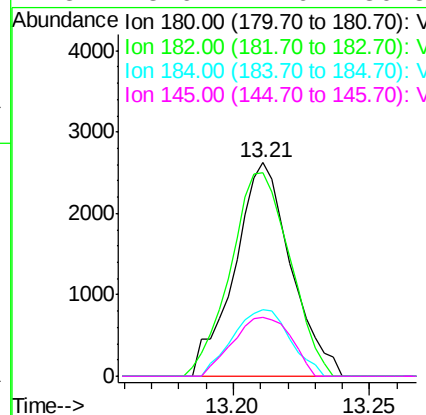
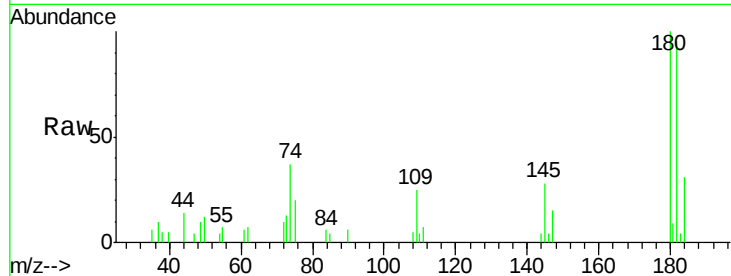
#67
 1,3,5-Trichlorobenzene
 Concen: 2.100 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.5	75.7	113.5
184	31.5	24.2	36.2
145	28.6	24.6	36.8

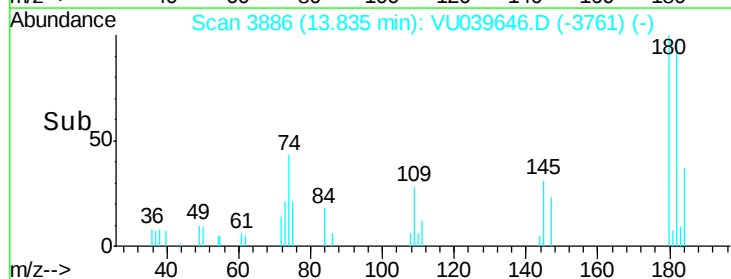
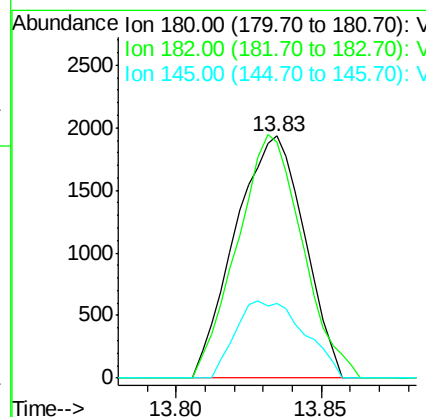
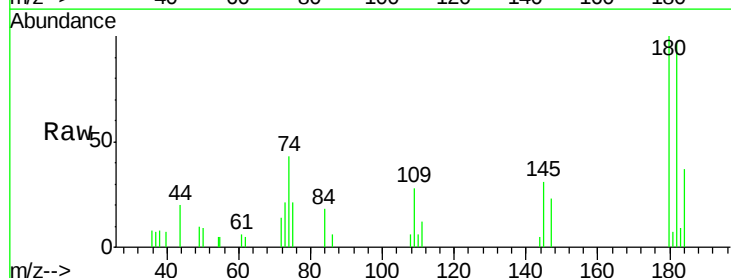
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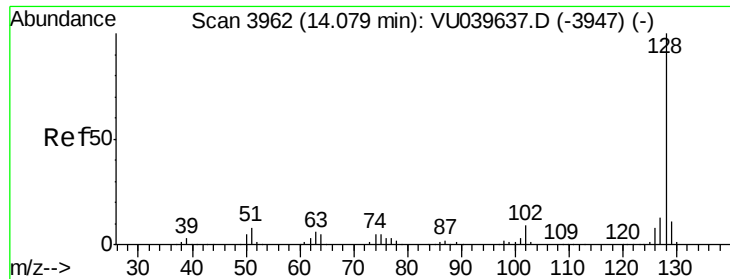
sam
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#68
 1,2,4-trichlorobenzene
 Concen: 2.105 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039646.D
 Acq: 23 Jul 2020 19:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	74.4	111.6
145	31.6	24.8	37.2





#69

Naphthalene

Concen: 1.909 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_U

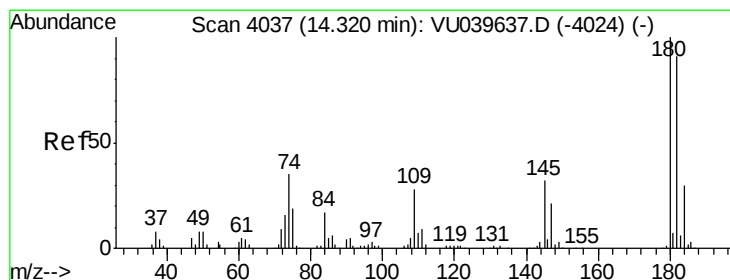
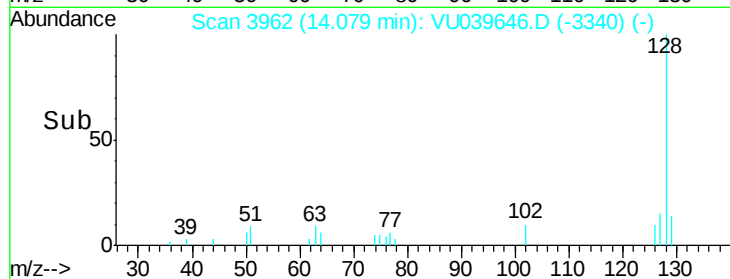
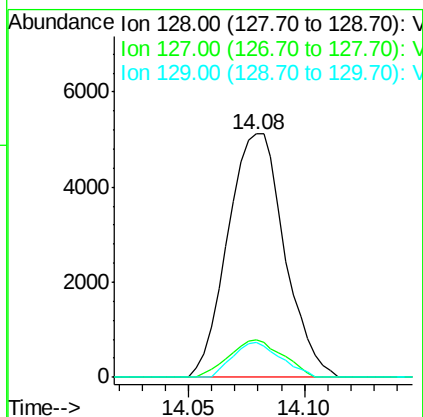
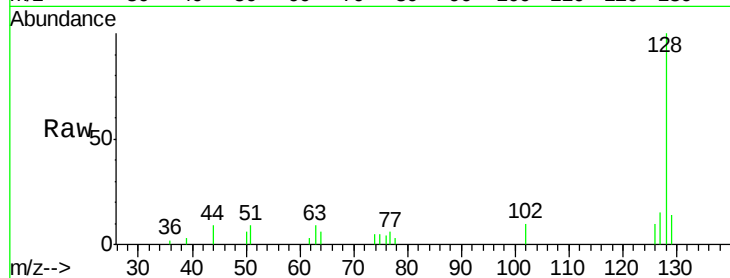
ClientSampleId :

MDL07

Tot Ion:	128	Resp:	8706
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.7	16.1
129	12.1	8.8	13.2

Manual Integrations
APPROVED

sam
7/30/2020 2:58:09 AM



#70

1,2,3-Trichlorobenzene

Concen: 2.144 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039646.D

Acq: 23 Jul 2020 19:25

Tgt Ion:	180	Resp:	3293
Ion	Ratio	Lower	Upper
180	100		
182	87.7	76.6	114.8
145	34.7	27.0	40.4

