

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025659.D
 Acq On : 27 Jul 2018 10:18
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:47:52 PM

Quant Time: Jul 27 12:56:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 12:00:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	169407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	249568	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	245893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150668	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	13567	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
35) Dibromofluoromethane	4.89	113	11280	5.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.72%	
50) Toluene-d8	7.57	98	36298	5.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.06%	
62) 4-Bromofluorobenzene	10.31	95	13799	4.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	10986	6.27	ug/l	97
3) Chloromethane	1.33	50	12146	6.12	ug/l	96
4) Vinyl Chloride	1.40	62	11378	5.91	ug/l	98
5) Bromomethane	1.62	94	6287	4.47	ug/l	97
6) Chloroethane	1.69	64	6979	5.20	ug/l	99
7) Trichlorofluoromethane	1.88	101	17461	5.77	ug/l	97
8) Diethyl Ether	2.10	74	6254	5.50	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	10553	5.62	ug/l	96
10) Methyl Iodide	2.41	142	3414	1.86	ug/l	92
11) Tert butyl alcohol	2.83	59	15292	26.63	ug/l	97
12) 1,1-Dichloroethene	2.28	96	9115	5.31	ug/l	96
13) Acrolein	2.19	56	8315	21.89	ug/l	98
14) Allyl chloride	2.59	41	16218	5.21	ug/l	96
15) Acrylonitrile	2.94	53	27483	23.28	ug/l	92
16) Acetone	2.32	43	33229	23.38	ug/l	95
17) Carbon Disulfide	2.48	76	29497	5.55	ug/l	99
18) Methyl Acetate	2.62	43	13468	5.00	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	33493	5.13	ug/l	98
20) Methylene Chloride	2.70	84	11853	5.08	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	11165	5.69	ug/l	92
22) Diisopropyl ether	3.57	45	33637	5.29	ug/l	97
23) Vinyl Acetate	3.53	43	144996	25.99	ug/l	100
24) 1,1-Dichloroethane	3.45	63	20320	5.67	ug/l	98
25) 2-Butanone	4.27	43	45083	24.71	ug/l	100
26) 2,2-Dichloropropane	4.23	77	18043	5.23	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	12439	5.48	ug/l	97
28) Bromochloromethane	4.55	49	8984	5.19	ug/l	97
29) Tetrahydrofuran	4.64	42	25961	23.73	ug/l	97
30) Chloroform	4.67	83	21065	5.55	ug/l	100
31) Cyclohexane	5.00	56	20387	5.12	ug/l	# 87
32) 1,1,1-Trichloroethane	4.92	97	18642	5.42	ug/l	98
36) 1,1-Dichloropropene	5.14	75	15204	5.48	ug/l	99
37) Ethyl Acetate	4.38	43	16572	5.36	ug/l	97
38) Carbon Tetrachloride	5.14	117	17032	5.70	ug/l	98

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 Data File : VU025659.D
 Acq On : 27 Jul 2018 10:18
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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

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Quant Time: Jul 27 12:56:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 12:00:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	17295	5.00	ug/l	99
40) Benzene	5.39	78	44197	5.53	ug/l	96
41) Methacrylonitrile	4.55	41	8558	4.99	ug/l	99
42) 1,2-Dichloroethane	5.41	62	17727	5.58	ug/l	92
43) Isopropyl Acetate	5.55	43	25136	5.07	ug/l	99
44) Trichloroethene	6.19	130	12029	5.24	ug/l	86
45) 1,2-Dichloropropane	6.44	63	11351	5.42	ug/l	97
46) Dibromomethane	6.56	93	8650	5.68	ug/l #	78
47) Bromodichloromethane	6.76	83	16491	5.82	ug/l	95
48) Methyl methacrylate	6.63	41	12227	4.95	ug/l	97
49) 1,4-Dioxane	6.62	88	6019	101.26	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	77226	23.98	ug/l	98
52) Toluene	7.64	92	26996	5.31	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	17011	5.47	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	17952	5.42	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	11873	5.60	ug/l	92
56) Ethyl methacrylate	8.02	69	15465	4.67	ug/l	97
57) 1,3-Dichloropropane	8.25	76	19145	5.44	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	31608	27.07	ug/l	99
59) 2-Hexanone	8.36	43	60490	23.16	ug/l	96
60) Dibromochloromethane	8.48	129	13006	5.68	ug/l	94
61) 1,2-Dibromoethane	8.59	107	12433	5.48	ug/l	98
64) Tetrachloroethene	8.23	164	11220	5.01	ug/l	93
65) Chlorobenzene	9.12	112	32756	5.33	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	11662	5.31	ug/l	95
67) Ethyl Benzene	9.25	91	52329	5.00	ug/l	99
68) m/p-Xylenes	9.38	106	40177	9.92	ug/l	100
69) o-Xylene	9.78	106	19515	4.81	ug/l	99
70) Styrene	9.80	104	30618	4.76	ug/l	99
71) Bromoform	9.96	173	9186	4.83	ug/l #	97
73) Isopropylbenzene	10.17	105	52572	4.57	ug/l	99
74) N-amyl acetate	10.01	43	19850	3.97	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	18532	4.92	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	16771m	4.89	ug/l	
77) Bromobenzene	10.45	156	14995	5.09	ug/l	96
78) n-propylbenzene	10.59	91	60292	4.72	ug/l	99
79) 2-Chlorotoluene	10.66	91	35076	4.39	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	43484	4.49	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	6273m	5.23	ug/l	
82) 4-Chlorotoluene	10.78	91	42995	4.75	ug/l	100
83) tert-Butylbenzene	11.10	119	43519	4.45	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	44585	4.49	ug/l	97
85) sec-Butylbenzene	11.33	105	53160	4.61	ug/l	99
86) p-Isopropyltoluene	11.48	119	48010	4.70	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	27300	5.07	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	28634	5.18	ug/l	96
89) n-Butylbenzene	11.90	91	44649	5.32	ug/l	96
90) Hexachloroethane	12.15	117	9025	5.22	ug/l	90
91) 1,2-Dichlorobenzene	11.88	146	26969	4.96	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	3958	4.33	ug/l	92

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Sample : VSTDICC005
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

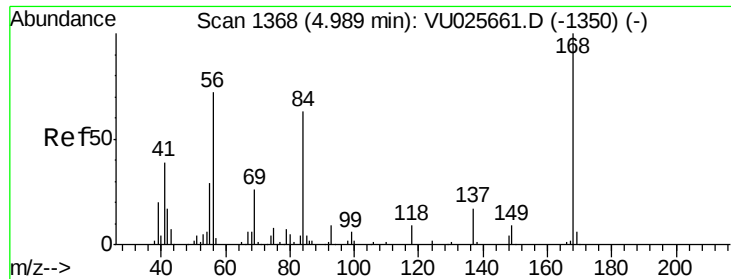
Manual Integrations
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Quant Time: Jul 27 12:56:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 27 12:00:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	16758	4.71	ug/l	99
94) Hexachlorobutadiene	13.70	225	9713	5.00	ug/l	98
95) Naphthalene	13.75	128	42603	3.48	ug/l	97
96) 1,2,3-Trichlorobenzene	13.99	180	16499	4.30	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 169407

Ion Ratio Lower Upper

168 100

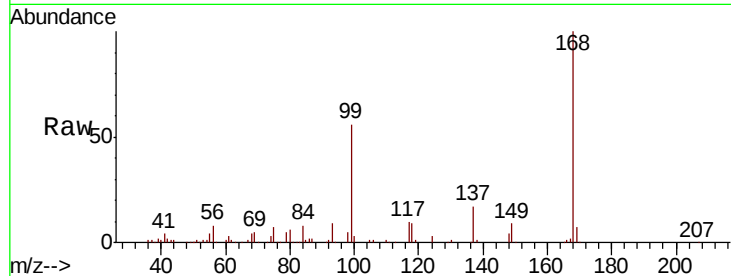
99 55.8 42.8 64.2

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Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

4.99

80000

60000

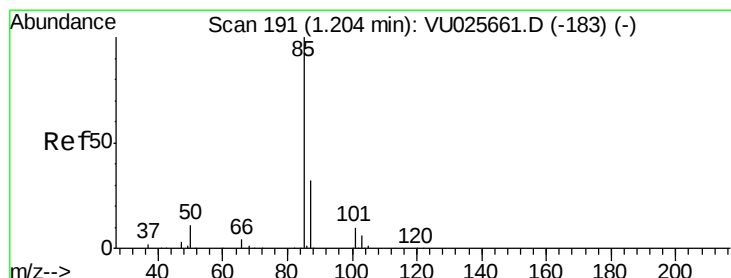
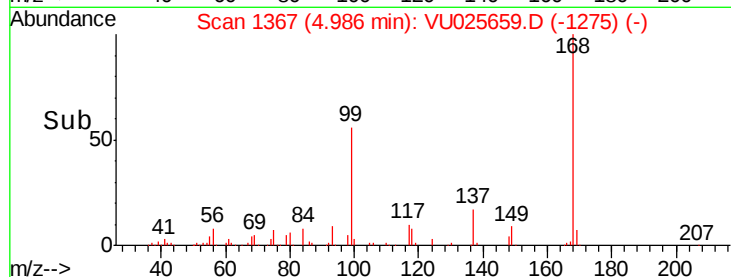
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 6.27 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025659.D

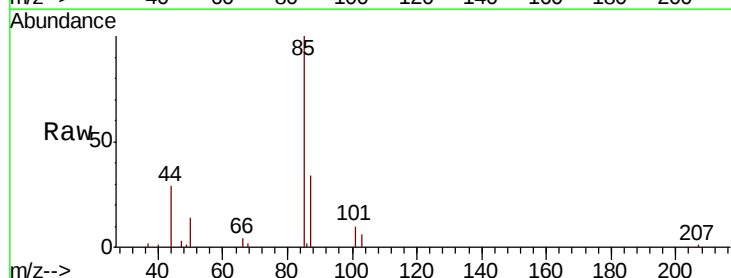
Acq: 27 Jul 2018 10:18

Tgt Ion: 85 Resp: 10986

Ion Ratio Lower Upper

85 100

87 34.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)

1.20

12000

10000

8000

6000

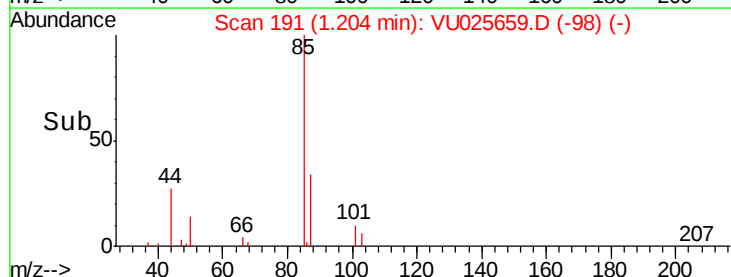
4000

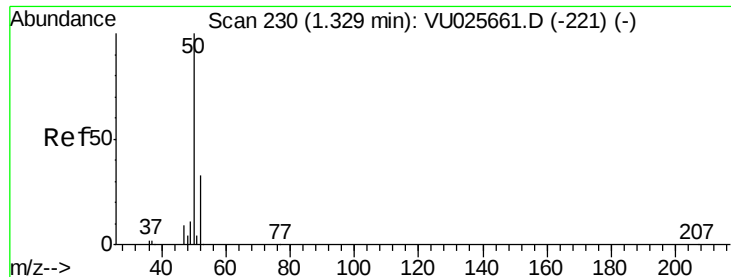
2000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 6.12 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 12146

Ion Ratio Lower Upper

50 100

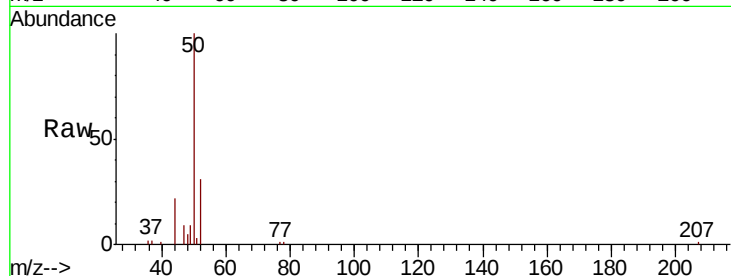
52 31.0 26.5 39.7

Manual Integrations

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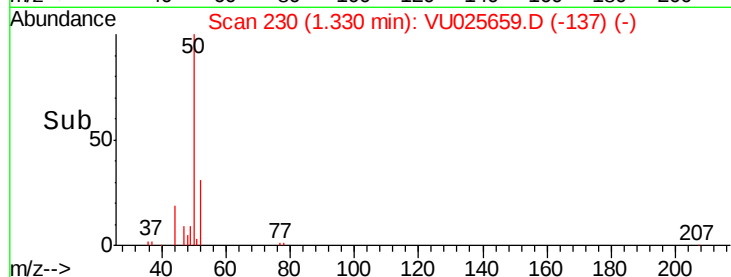
Abundance Ion 49.90 (49.60 to 50.60): VU025661.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025661.D (-221) (-)

1.33

1.35

Time-->



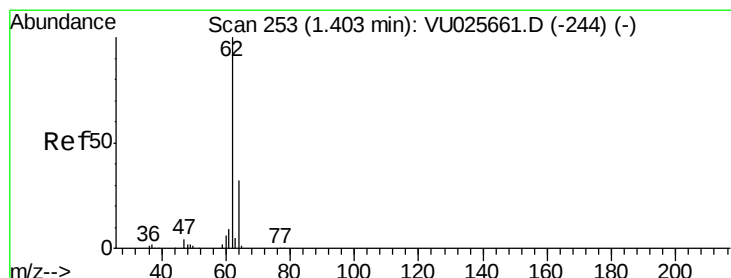
Abundance Ion 49.90 (49.60 to 50.60): VU025659.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU025659.D (-137) (-)

1.33

1.35

Time-->



#4

Vinyl Chloride

Concen: 5.91 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025659.D

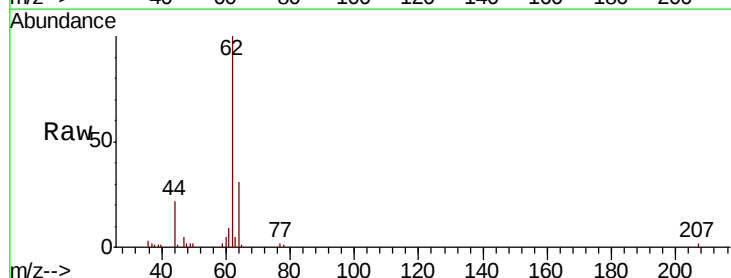
Acq: 27 Jul 2018 10:18

Tgt Ion: 62 Resp: 11378

Ion Ratio Lower Upper

62 100

64 30.7 25.4 38.0



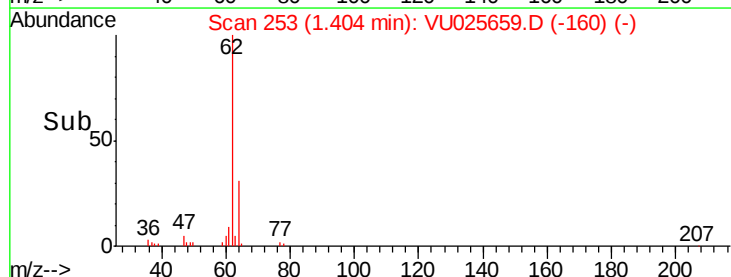
Abundance Ion 61.90 (61.60 to 62.60): VU025661.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU025661.D (-244) (-)

1.40

1.45

Time-->



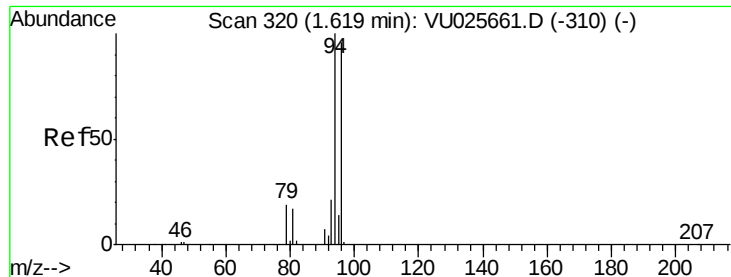
Abundance Ion 61.90 (61.60 to 62.60): VU025659.D (-160) (-)

Ion 63.90 (63.60 to 64.60): VU025659.D (-160) (-)

1.40

1.45

Time-->



#5

Bromomethane

Concen: 4.47 ug/l

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 6287

Ion Ratio Lower Upper

94 100

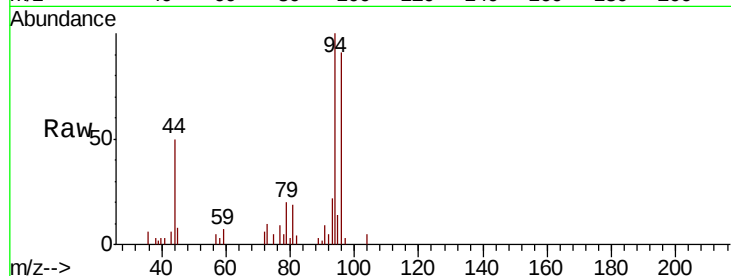
96 90.5 75.0 112.4

Manual Integrations

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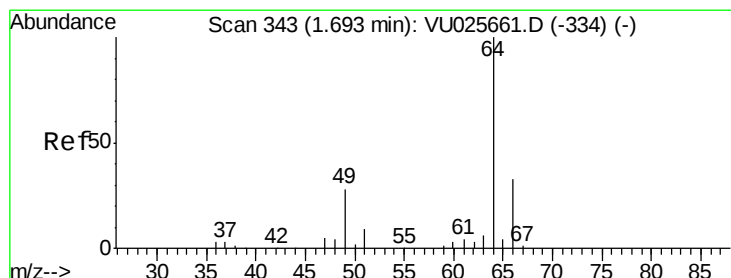
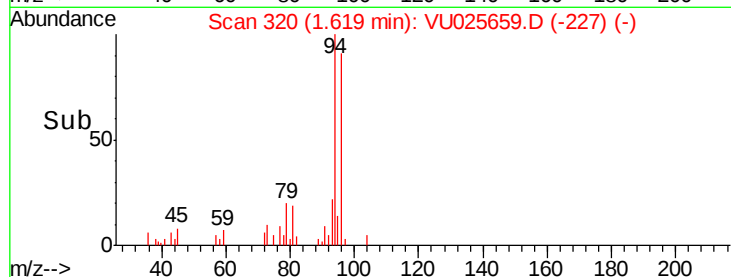
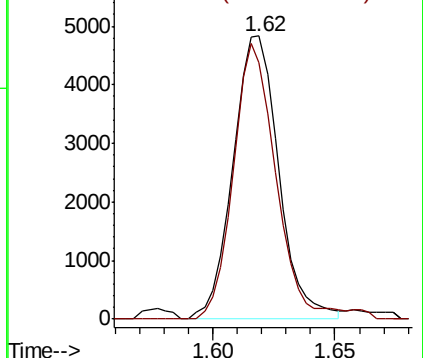
MMDadoda

7/31/2018 3:47:52 PM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 5.20 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025659.D

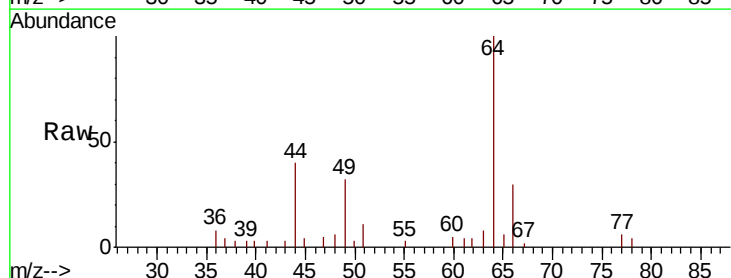
Acq: 27 Jul 2018 10:18

Tgt Ion: 64 Resp: 6979

Ion Ratio Lower Upper

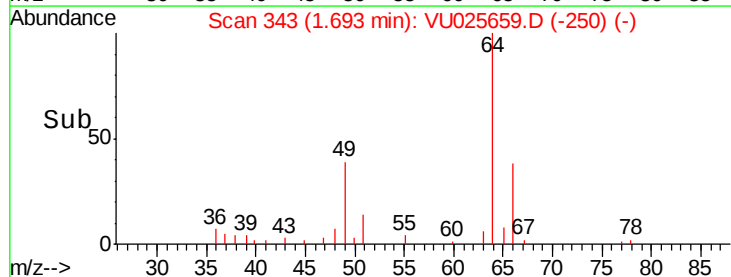
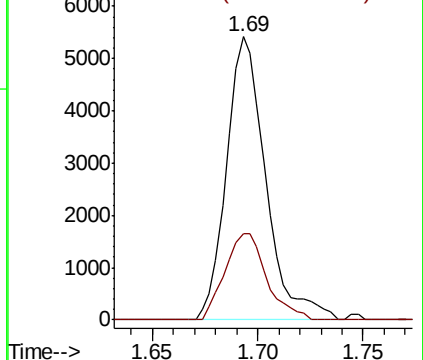
64 100

66 30.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 5.77 ug/l

RT: 1.88 min Scan# 402

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 17461

Ion Ratio Lower Upper

101 100

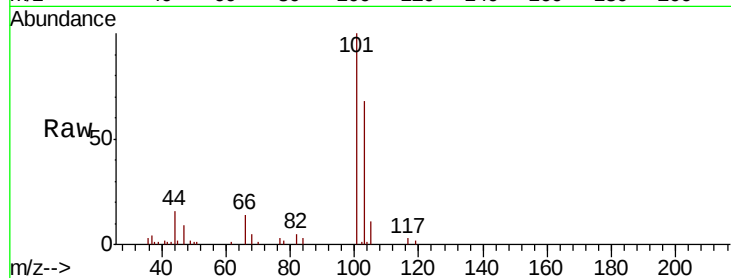
103 68.0 52.2 78.2

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.88

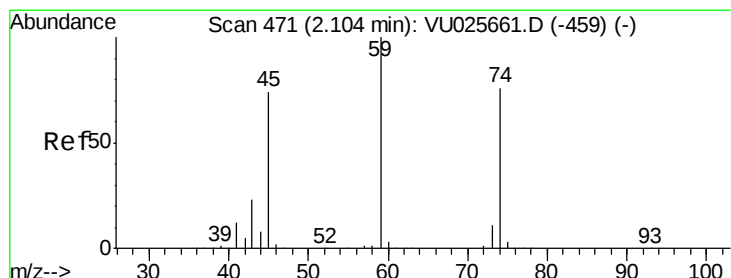
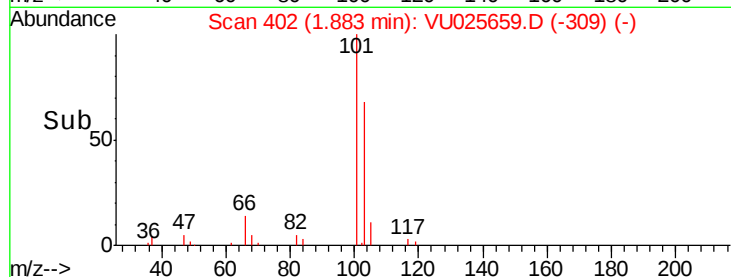
10000

5000

0

Time-->

1.85 1.90 1.95



#8

Diethyl Ether

Concen: 5.50 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025659.D

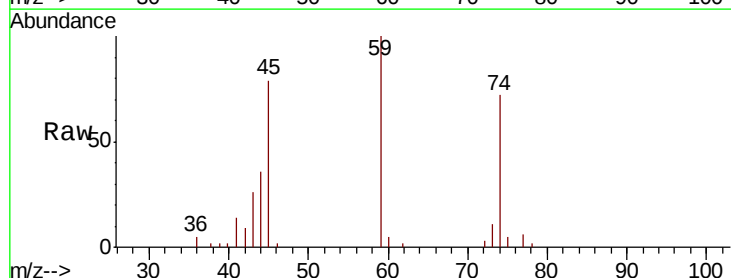
Acq: 27 Jul 2018 10:18

Tgt Ion: 74 Resp: 6254

Ion Ratio Lower Upper

74 100

45 97.4 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

2.10

5000

4000

3000

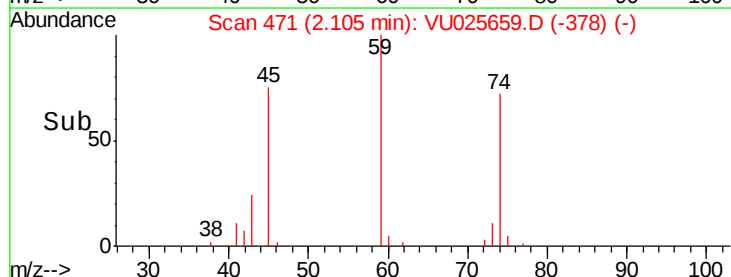
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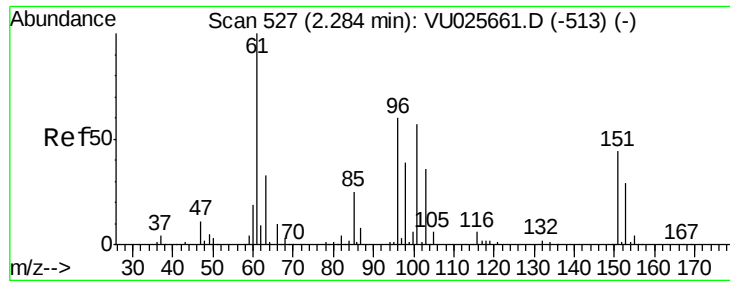
1000

0

Time-->

2.05 2.10 2.15





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.62 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

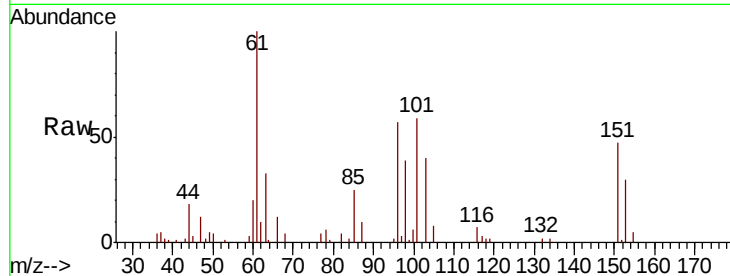
ClientSampleId :

VSTDIC005

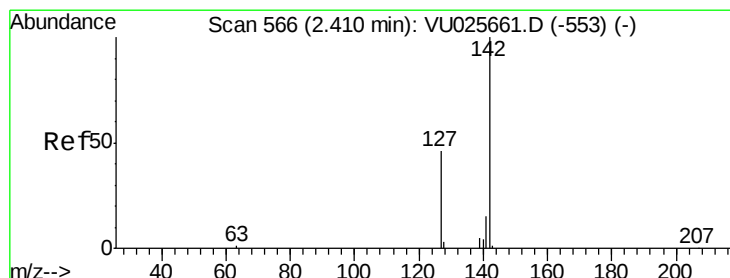
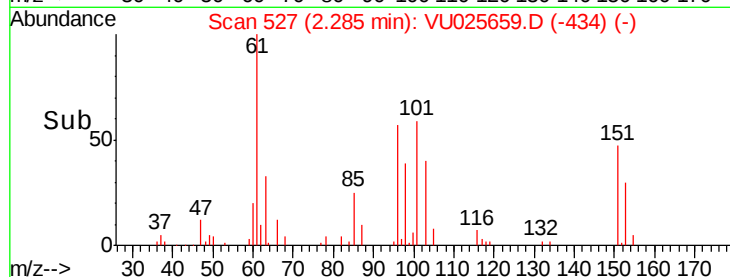
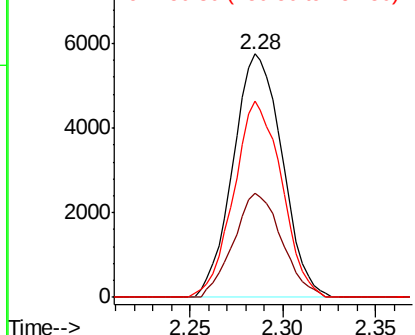
Tot Ion:	101	Resp:	10553
Ion Ratio	Lower	Upper	
101	100		
85	42.0	36.0	54.0
151	78.8	65.6	98.4

Manual Integrations
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7/31/2018 3:47:52 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.86 ug/l

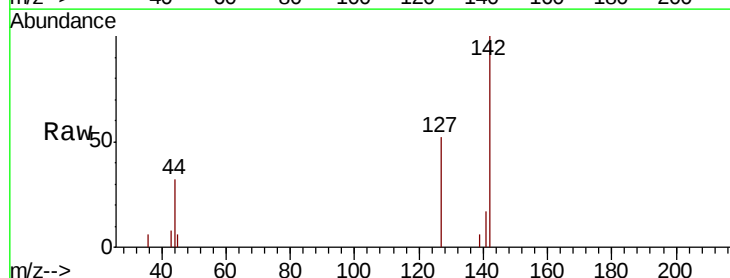
RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

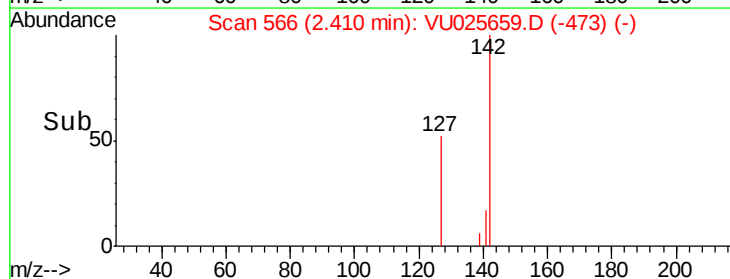
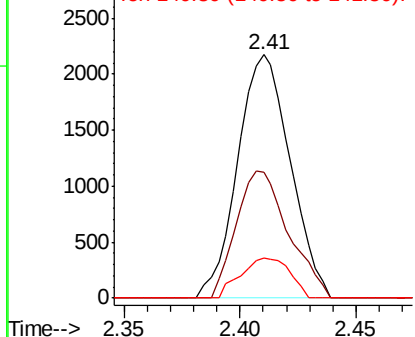
Lab File: VU025659.D

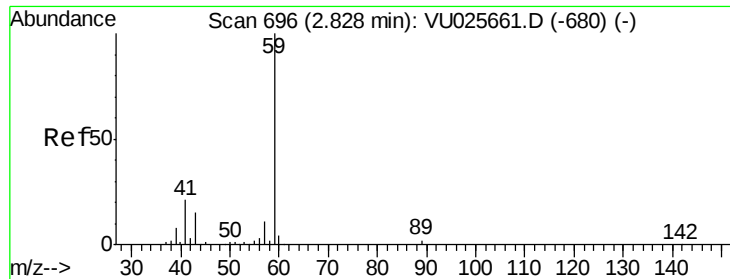
Acq: 27 Jul 2018 10:18

Tgt Ion:	142	Resp:	3414
Ion Ratio	Lower	Upper	
142	100		
127	51.9	36.5	54.7
141	15.3	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





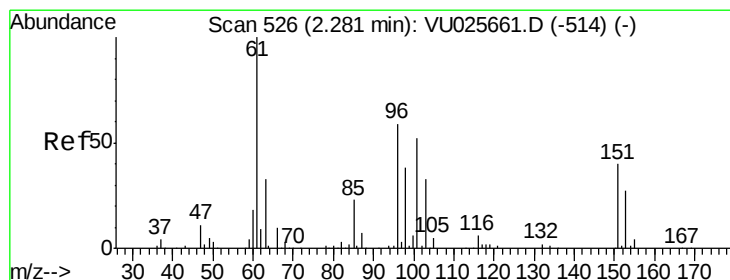
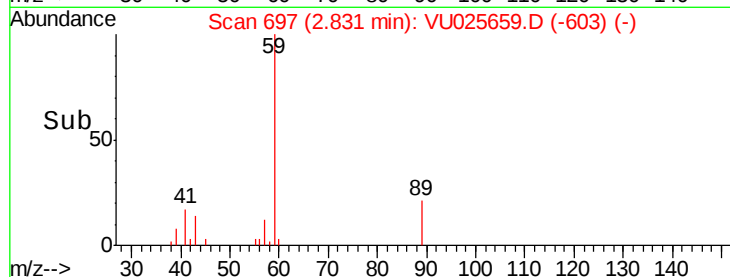
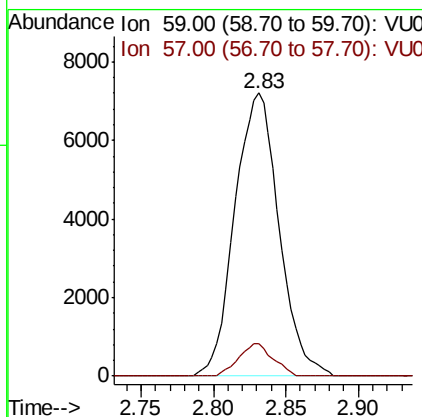
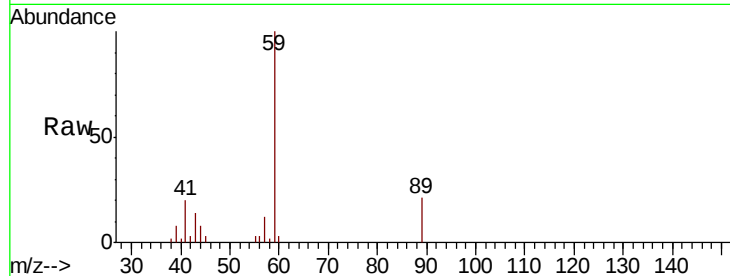
#11
Tert butyl alcohol
Concen: 26.63 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	8.2	12.2

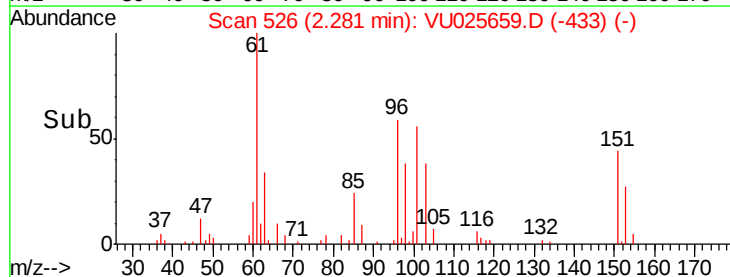
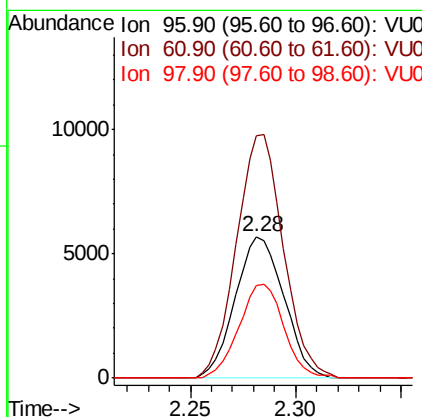
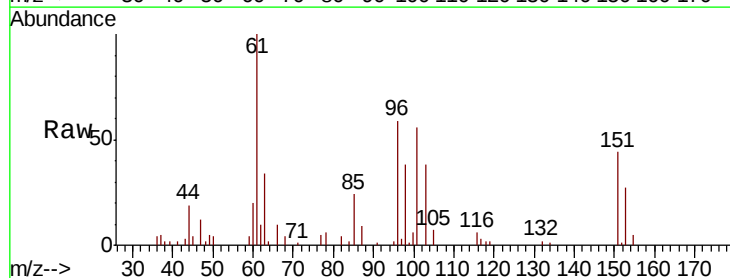
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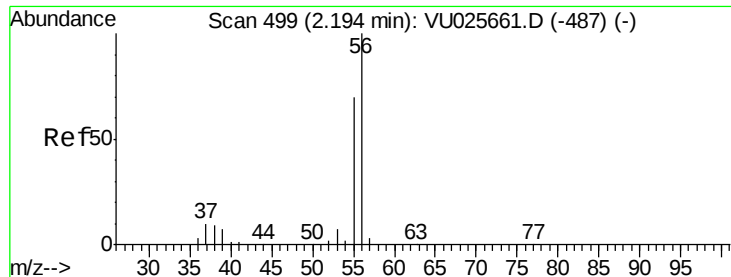
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#12
1,1-Dichloroethene
Concen: 5.31 ug/l
RT: 2.28 min Scan# 526
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.9	140.2	210.4
98	65.6	49.3	73.9





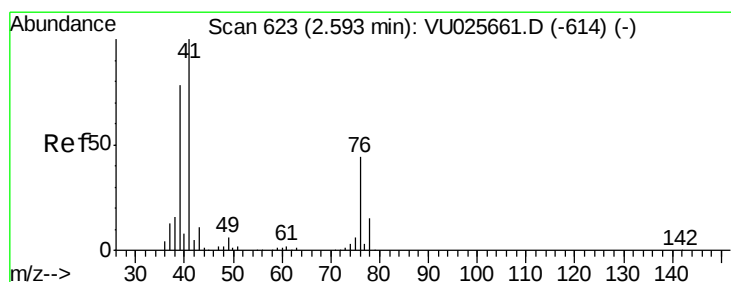
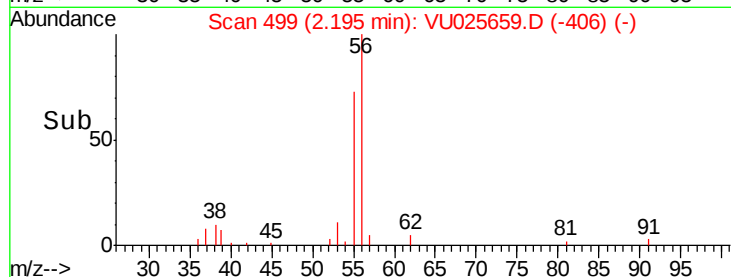
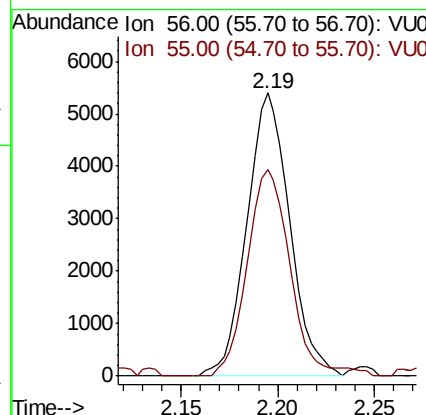
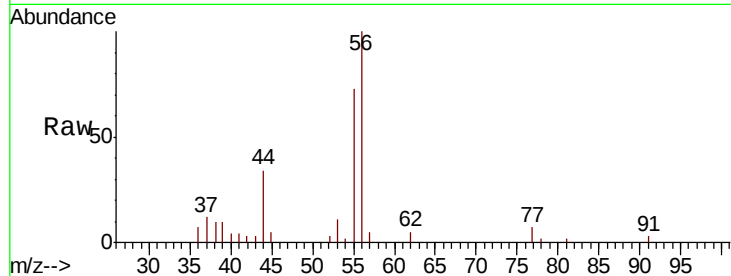
#13
Acrolein
Concen: 21.89 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	56	55	Ratio	100	73.5	Resp	8315	Lower	57.2	Upper	85.8
Ion											

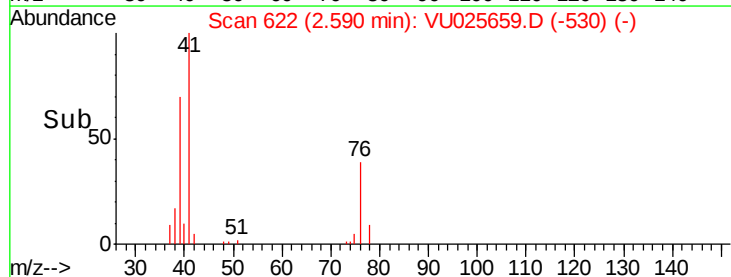
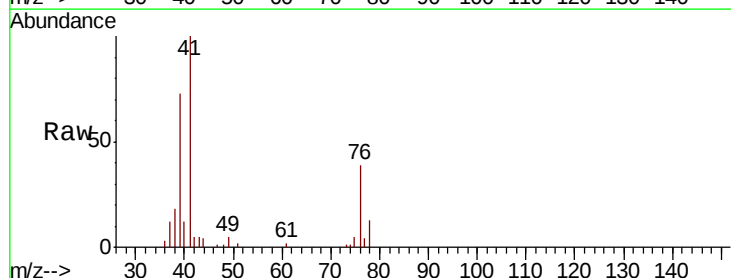
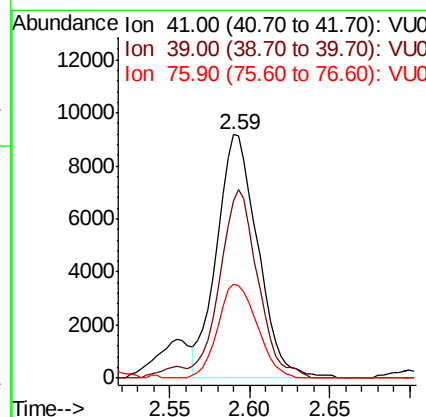
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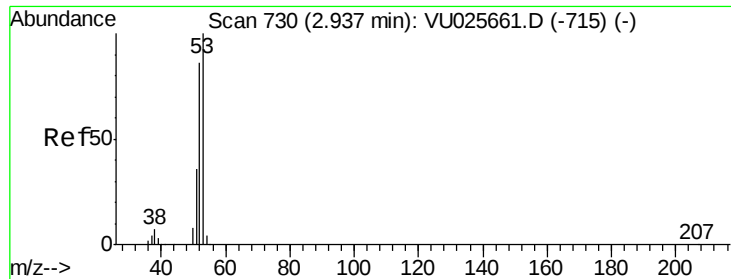
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#14
Allyl chloride
Concen: 5.21 ug/l
RT: 2.59 min Scan# 622
Delta R.T. -0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Tgt Ion	41	39	76	Ratio	100	71.7	36.9	Resp	16218	Lower	60.6	Upper	91.0	45.7
Ion														





#15

Acrylonitrile

Concen: 23.28 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

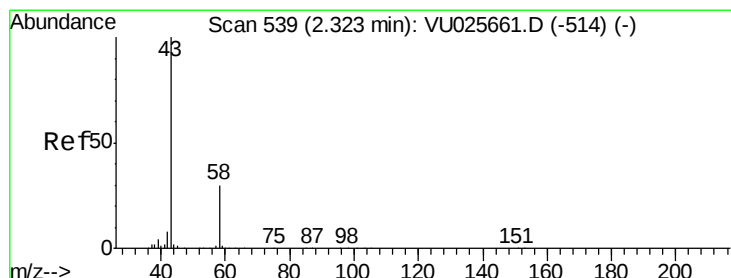
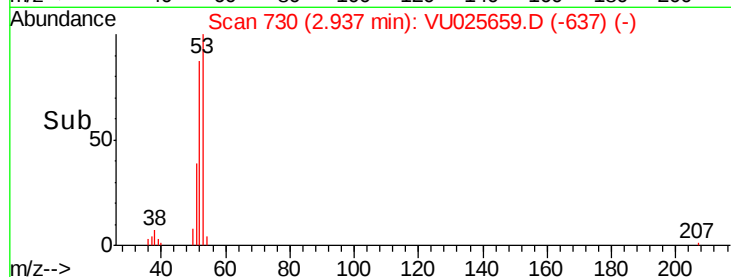
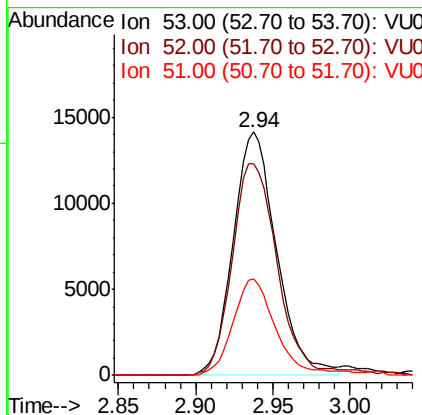
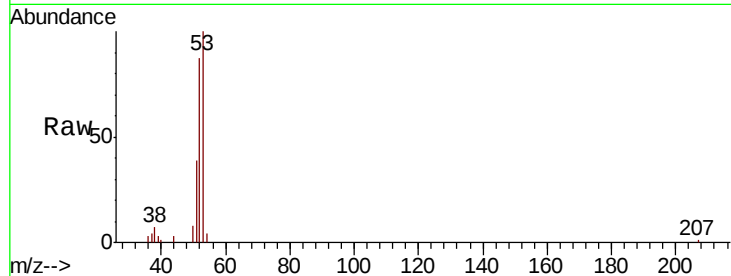
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	27483
Ion	Ratio	Lower	Upper
53	100		
52	91.5	66.6	99.8
51	39.5	29.4	44.2

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#16

Acetone

Concen: 23.38 ug/l

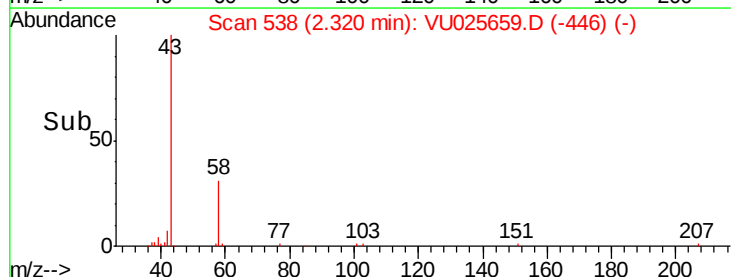
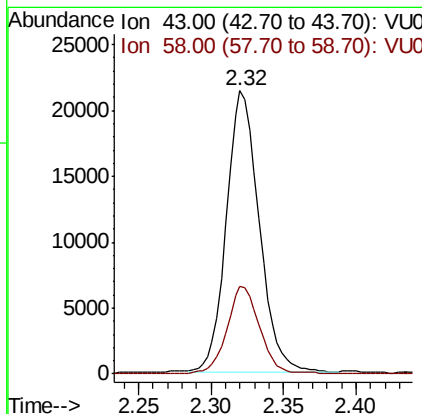
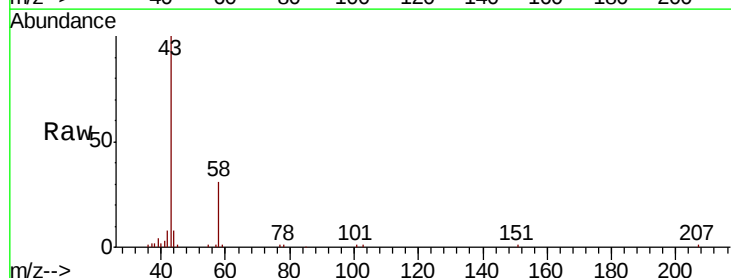
RT: 2.32 min Scan# 538

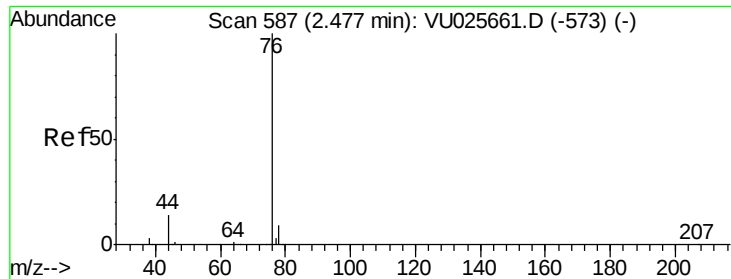
Delta R.T. -0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Tgt Ion:	43	Resp:	33229
Ion	Ratio	Lower	Upper
43	100		
58	31.4	23.1	34.7





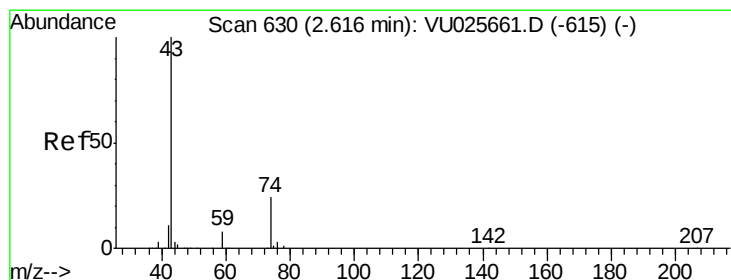
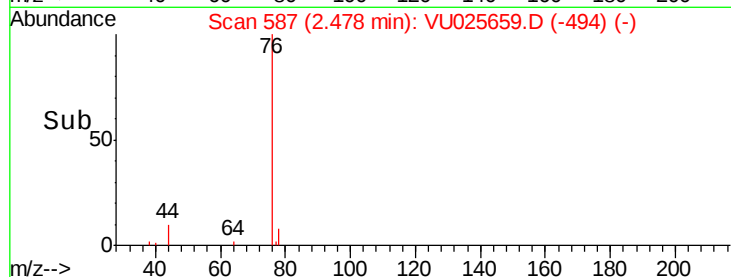
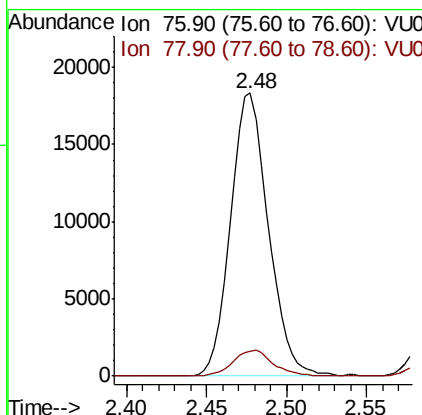
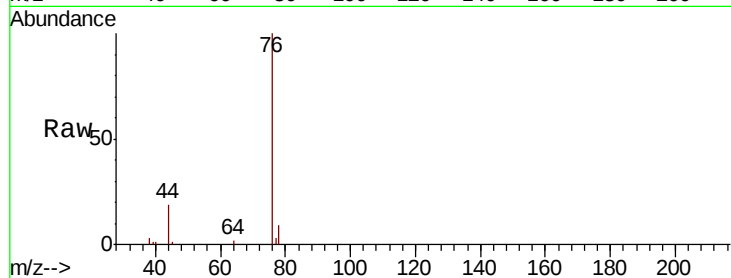
#17
Carbon Disulfide
Concen: 5.55 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

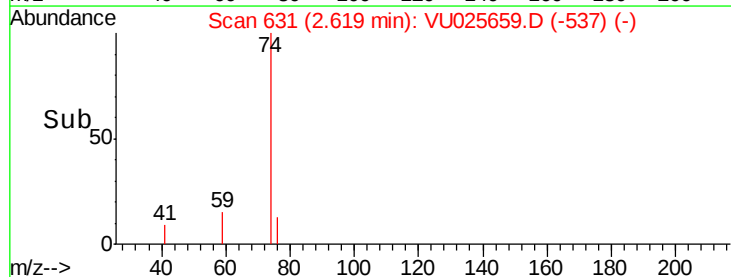
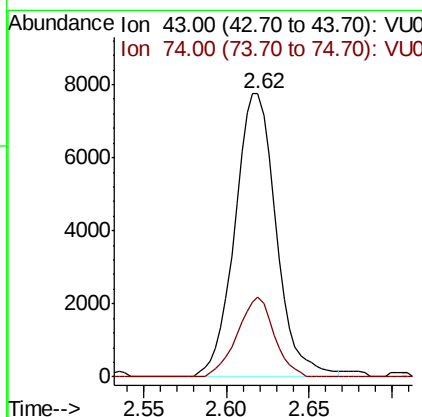
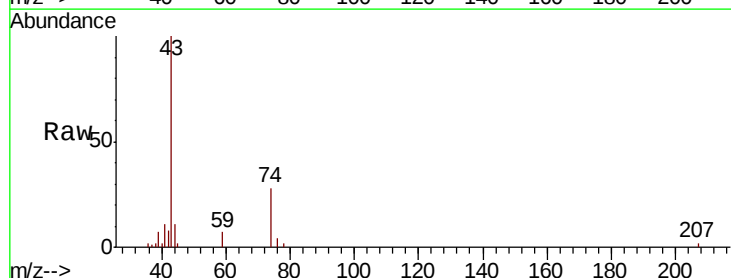
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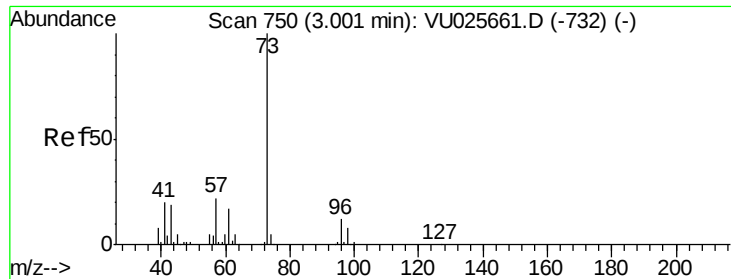
MMDadoda
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#18
Methyl Acetate
Concen: 5.00 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	18.5	27.7





#19

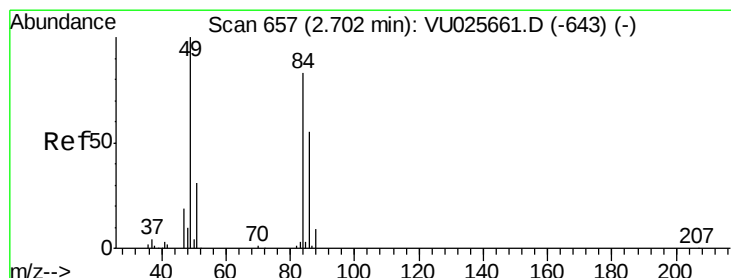
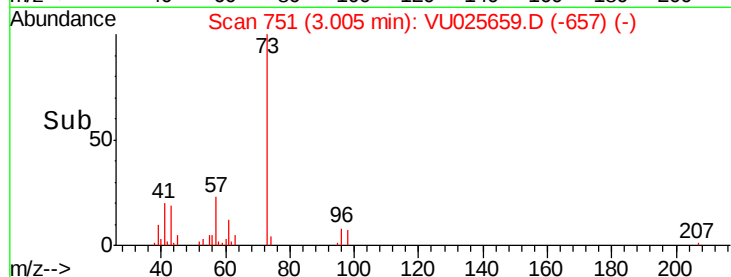
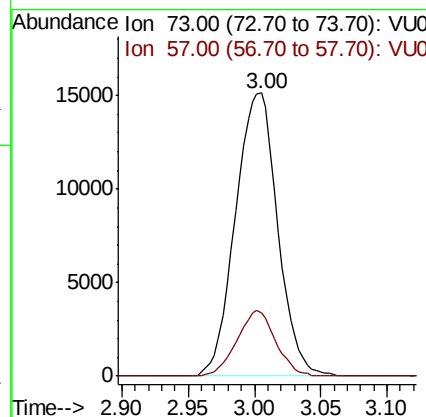
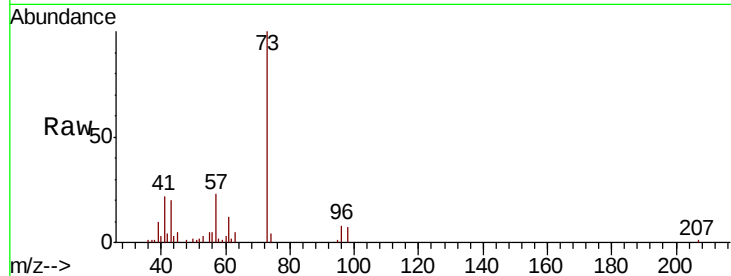
Methvl tert-butvl Ether
 Concen: 5.13 ug/l
 RT: 3.00 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VU025659.D
 Acq: 27 Jul 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.4	26.2

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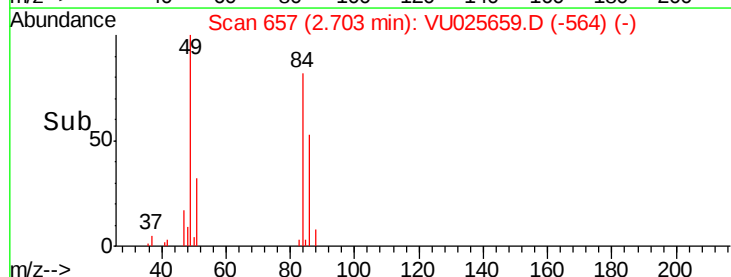
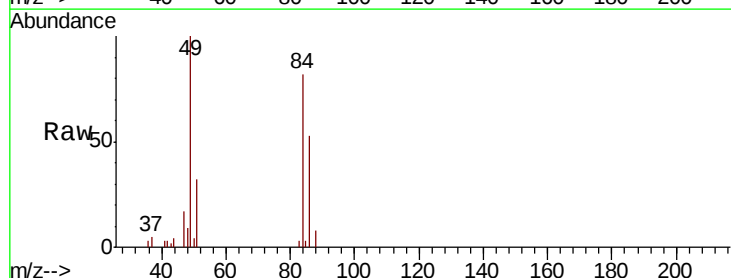
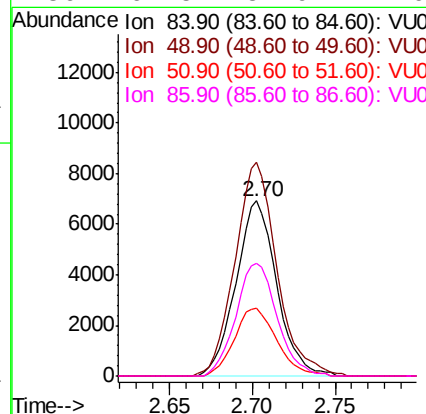
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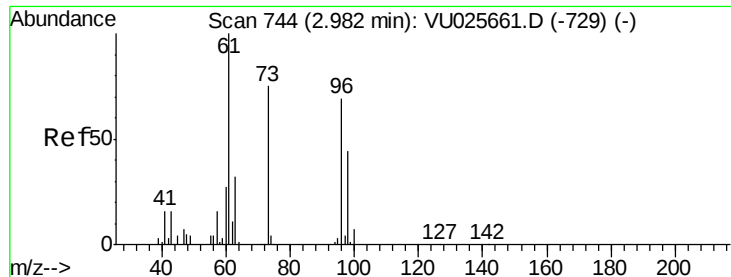


#20

Methylene Chloride
 Concen: 5.08 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VU025659.D
 Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.1	101.8	152.6
51	38.6	30.8	46.2
86	64.5	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 5.69 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

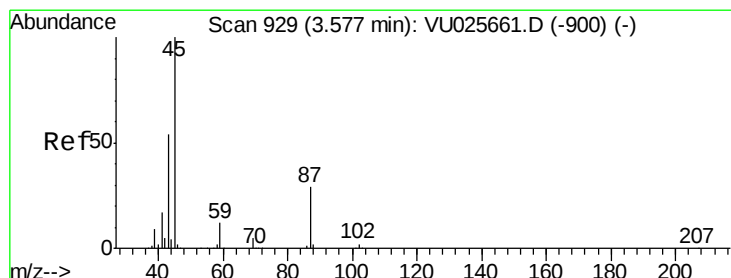
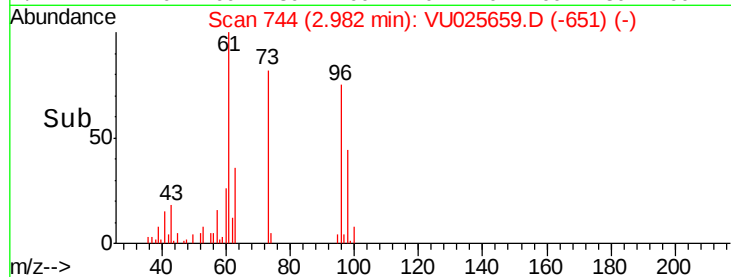
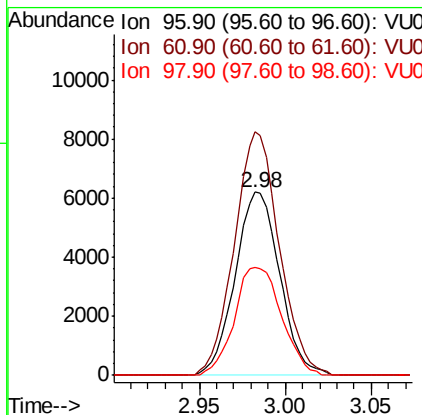
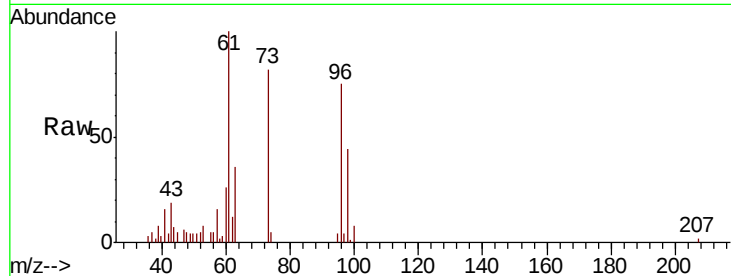
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	11165
Ion	Ratio	Lower	Upper
96	100		
61	132.8	114.5	171.7
98	58.8	50.5	75.7

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#22

Diisopropyl ether

Concen: 5.29 ug/l

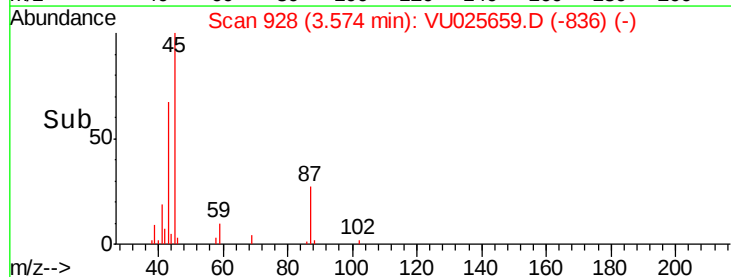
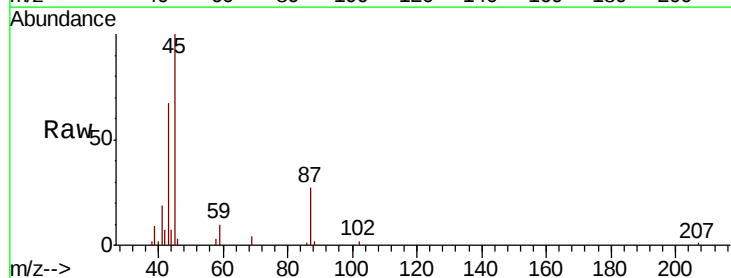
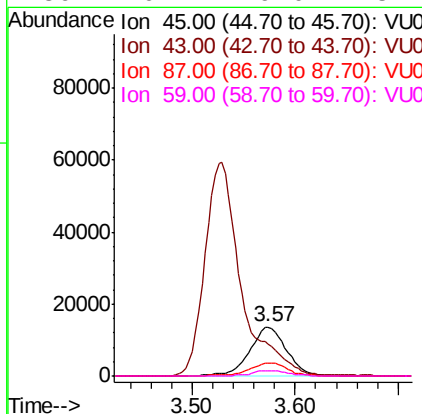
RT: 3.57 min Scan# 928

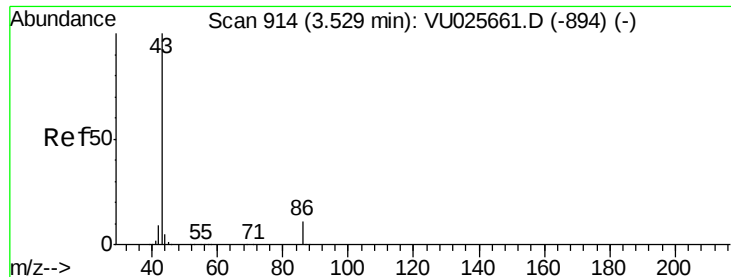
Delta R.T. -0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Tgt Ion:	45	Resp:	33637
Ion	Ratio	Lower	Upper
45	100		
43	65.0	50.9	76.3
87	26.9	23.8	35.8
59	10.1	9.0	13.4





#23

Vinyl Acetate

Concen: 25.99 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 144996

Ion Ratio Lower Upper

43 100

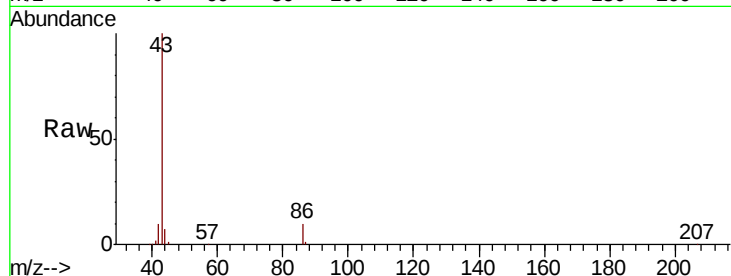
86 10.3 8.2 12.2

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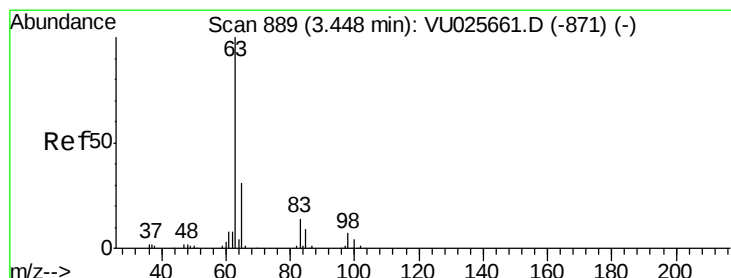
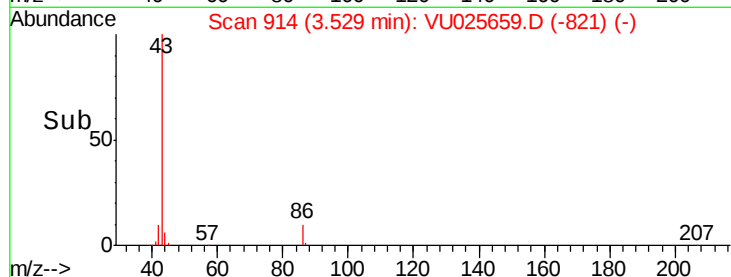
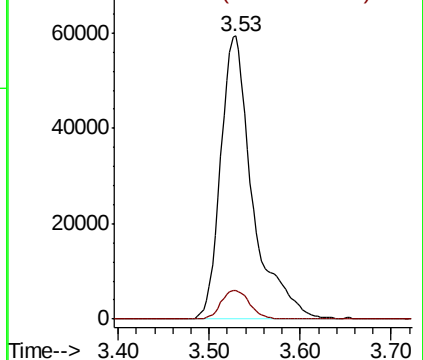
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 5.67 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

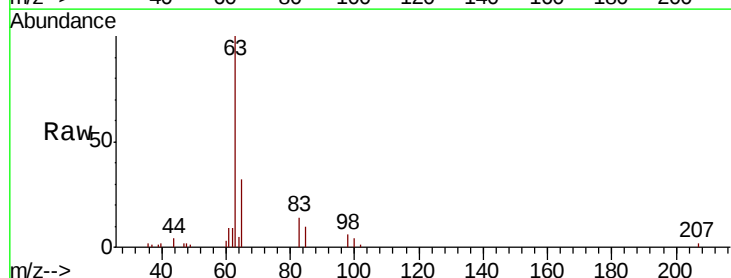
Tgt Ion: 63 Resp: 20320

Ion Ratio Lower Upper

63 100

98 5.8 3.4 10.1

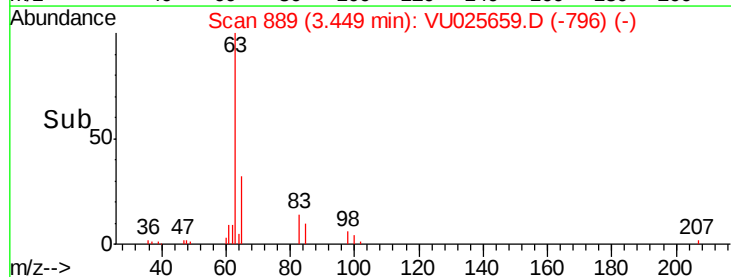
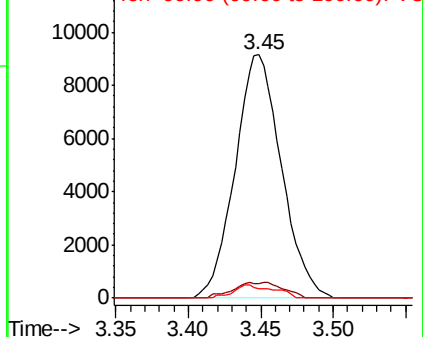
100 3.8 2.0 6.0

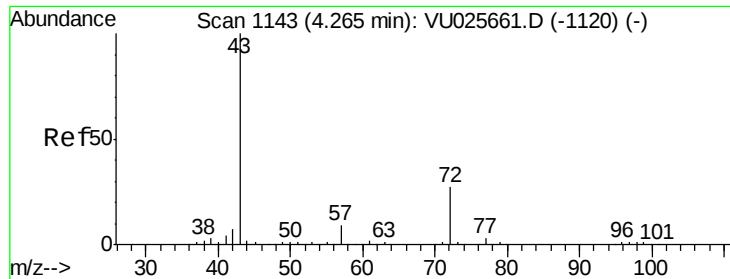


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 24.71 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 45083

Ion Ratio Lower Upper

43 100

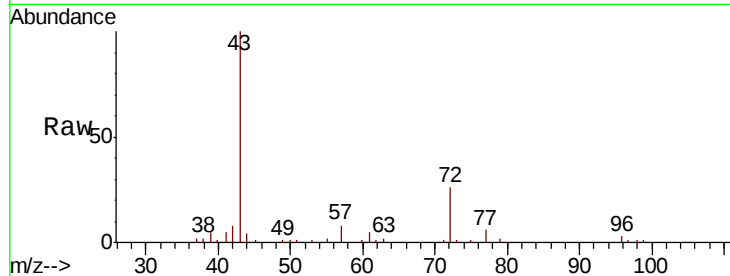
72 26.1 21.0 31.4

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Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-1120) (-)

Ion 72.00 (71.70 to 72.70): VU025661.D (-1120) (-)

4.27

20000

15000

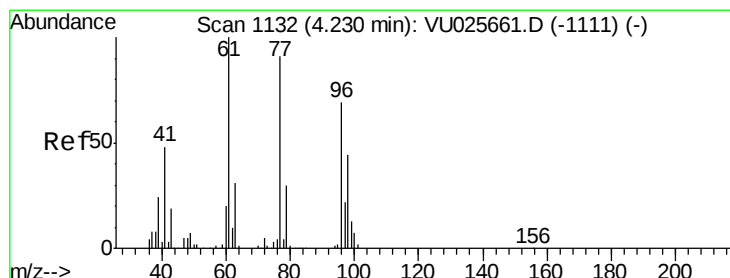
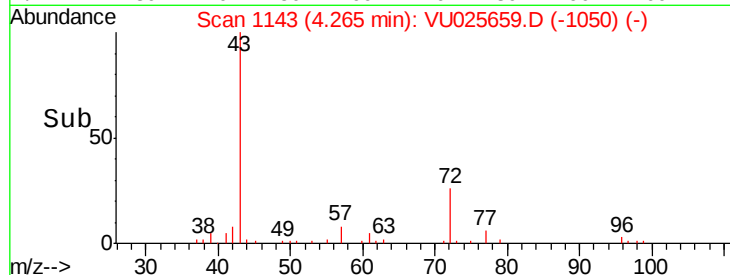
10000

5000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 5.23 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025659.D

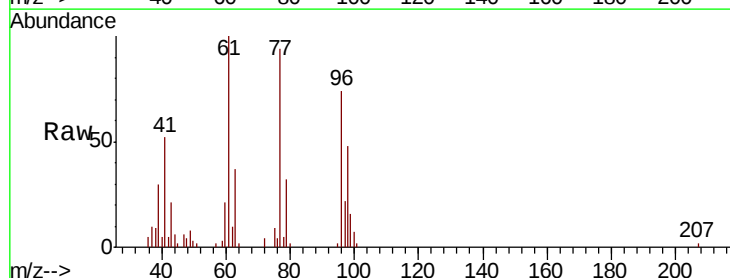
Acq: 27 Jul 2018 10:18

Tgt Ion: 77 Resp: 18043

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU025661.D (-1111) (-)

Ion 96.90 (96.60 to 97.60): VU025661.D (-1111) (-)

4.23

6000

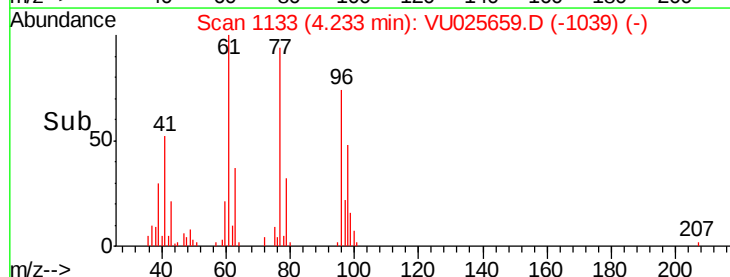
4000

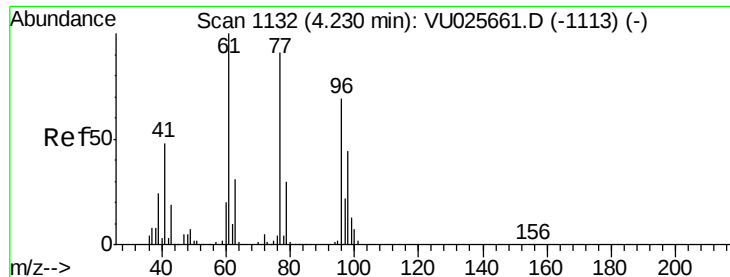
2000

0

4.15 4.20 4.25 4.30

Time-->





#27

cis-1,2-Dichloroethene

Concen: 5.48 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

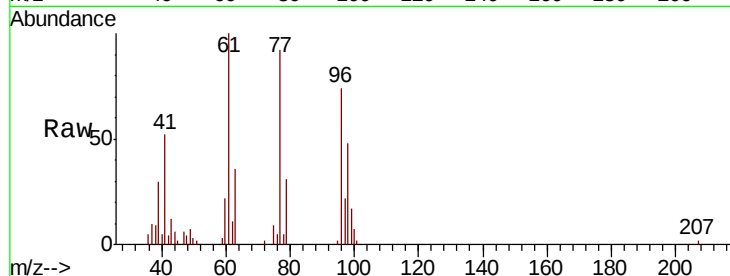
ClientSampleId :

VSTDIC005

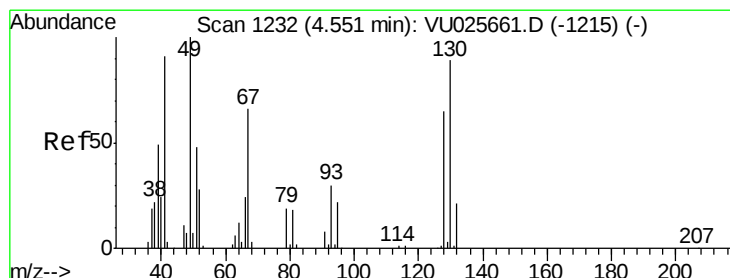
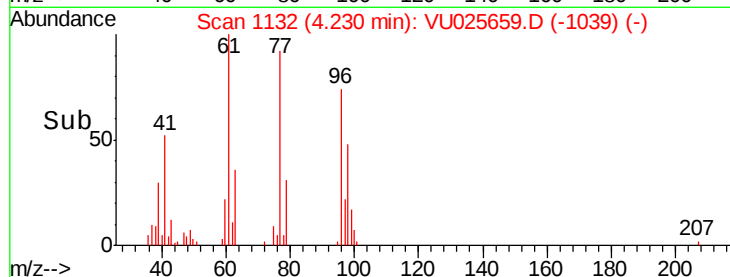
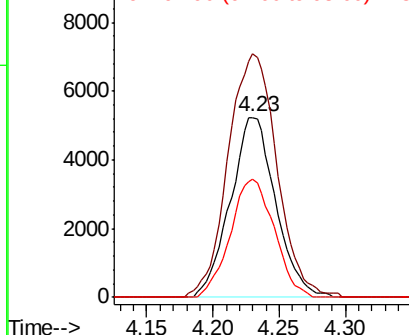
Tot Ion:	96	Resp:	12439
Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	299.8
98	63.4	0.0	128.6

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 5.19 ug/l

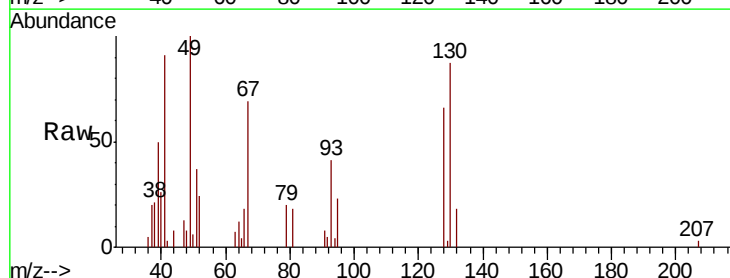
RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

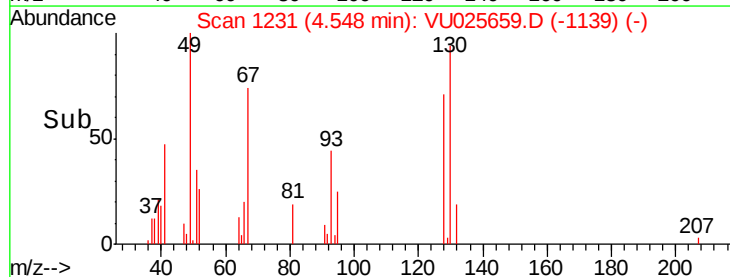
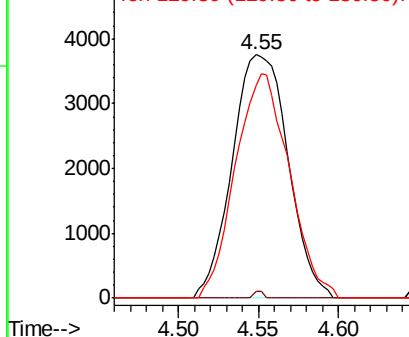
Lab File: VU025659.D

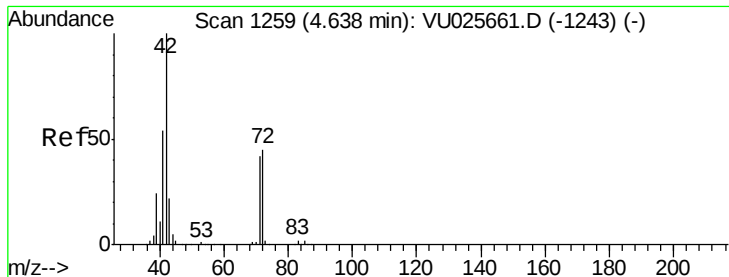
Acq: 27 Jul 2018 10:18

Tgt Ion:	49	Resp:	8984
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	4.6
130	88.6	68.6	102.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 23.73 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

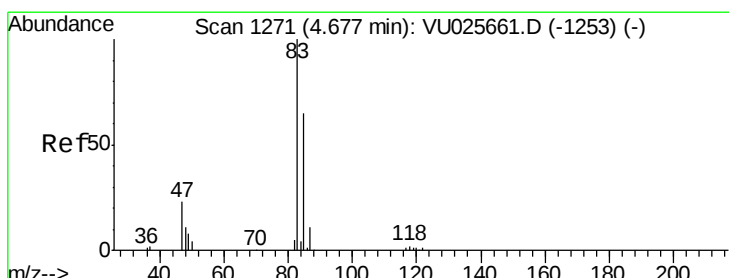
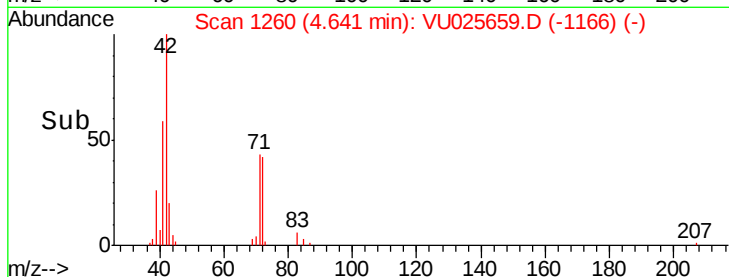
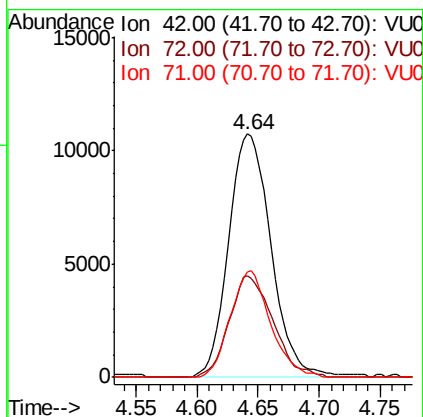
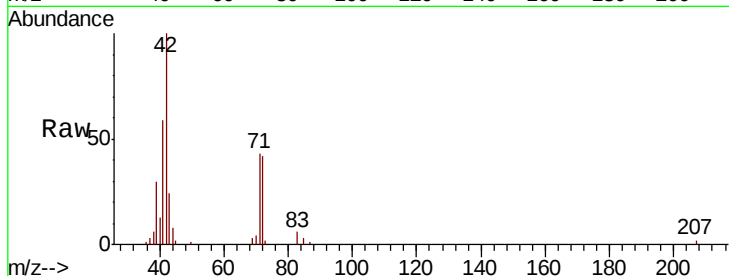
ClientSampleId :

VSTDIC005

Tot Ion:	42	Resp:	25961
Ion	Ratio	Lower	Upper
42	100		
72	43.0	36.7	55.1
71	41.4	33.9	50.9

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#30

Chloroform

Concen: 5.55 ug/l

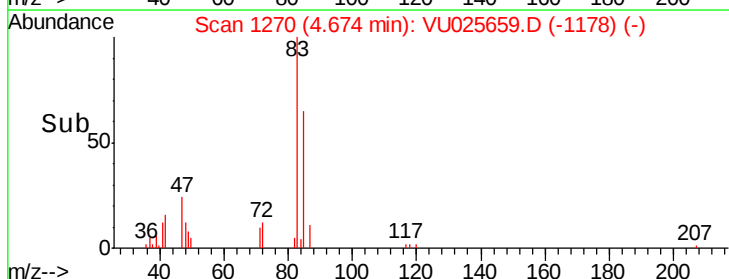
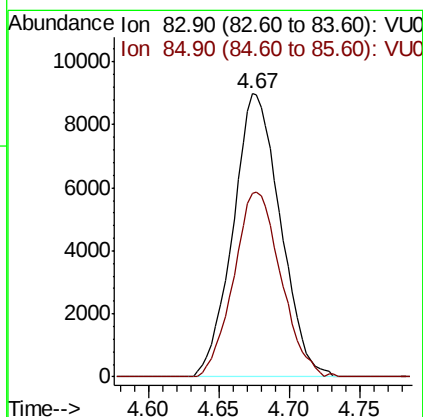
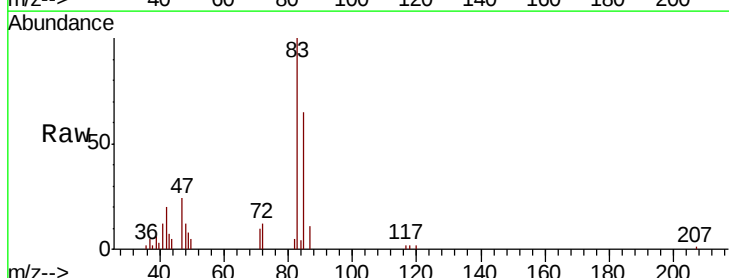
RT: 4.67 min Scan# 1270

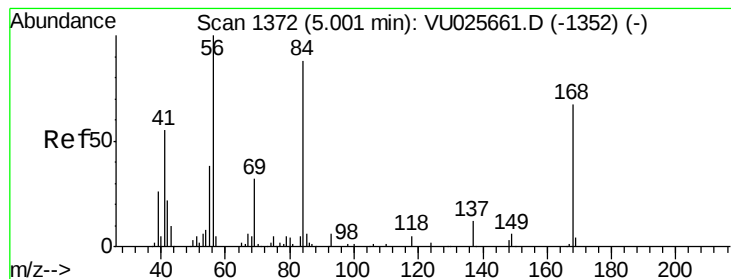
Delta R.T. -0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Tgt Ion:	83	Resp:	21065
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3





#31

Cyclohexane

Concen: 5.12 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 20387

Ion Ratio Lower Upper

56 100

69 49.6 26.8 40.2#

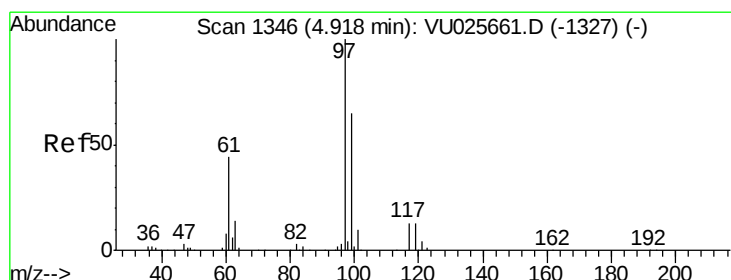
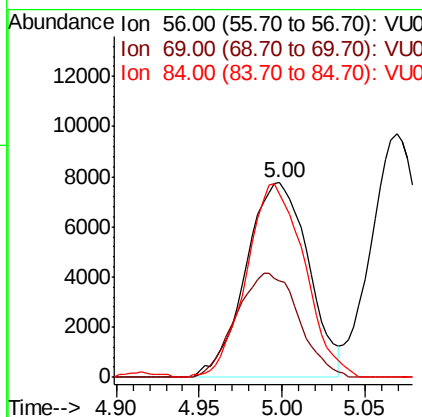
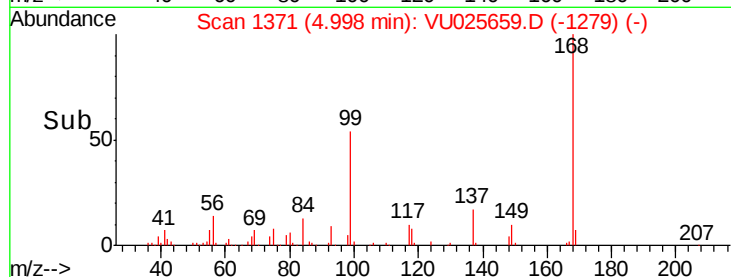
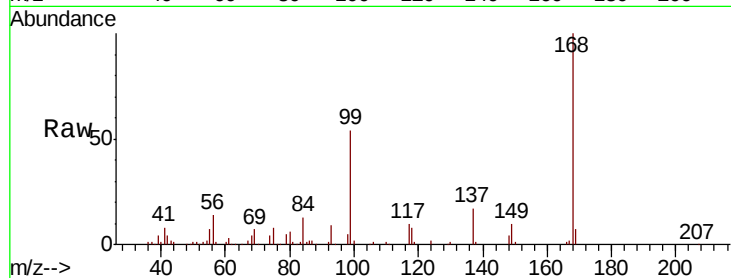
84 94.0 69.7 104.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 5.42 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

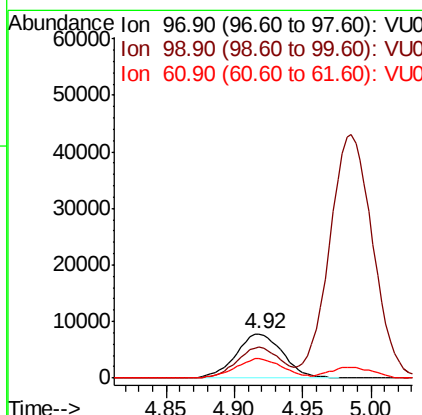
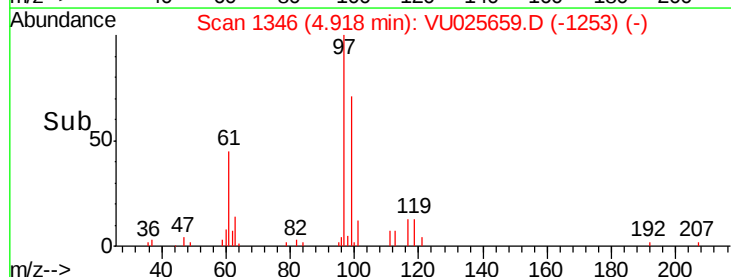
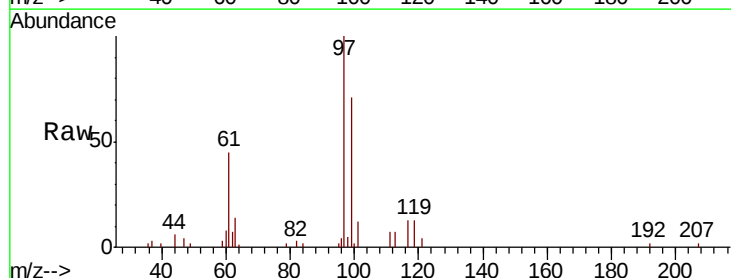
Tgt Ion: 97 Resp: 18642

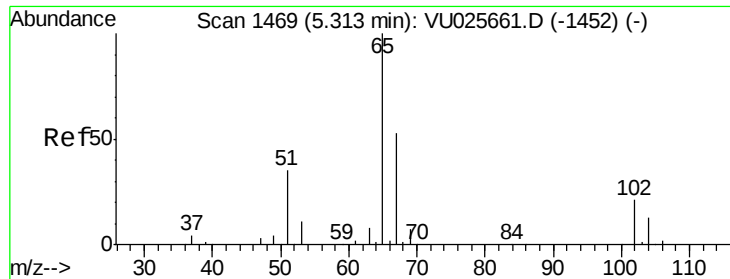
Ion Ratio Lower Upper

97 100

99 65.2 50.8 76.2

61 44.7 35.2 52.8





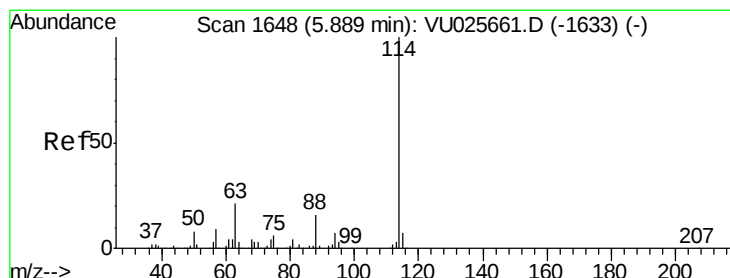
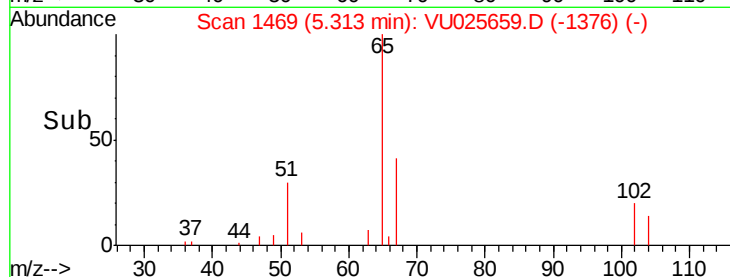
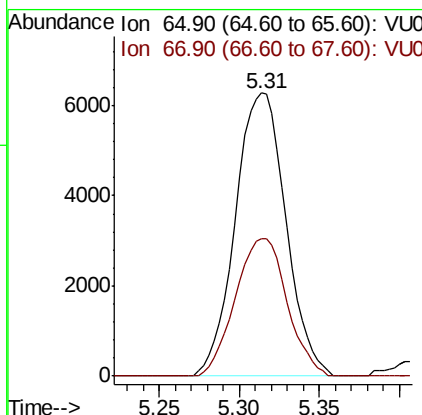
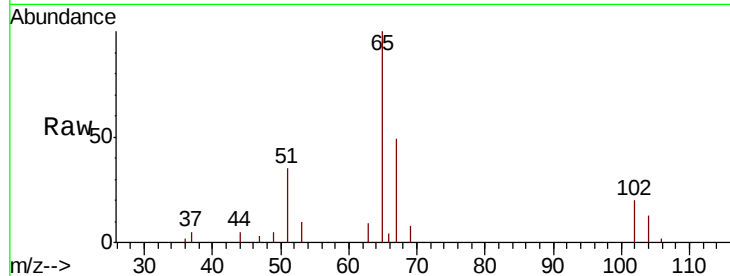
#33
 1,2-Dichloroethane-d4
 Concen: 5.15 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025659.D
 Acq: 27 Jul 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	103.6

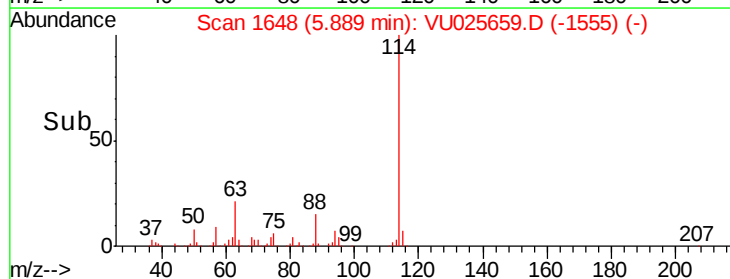
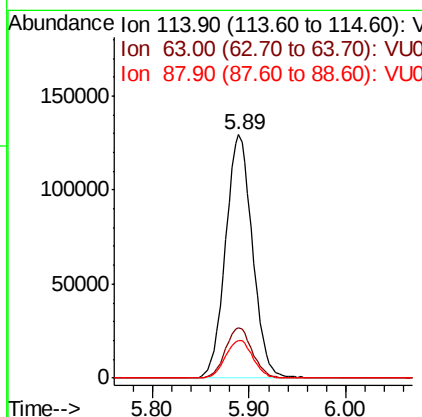
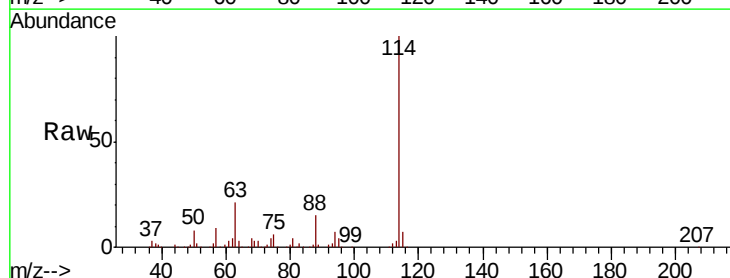
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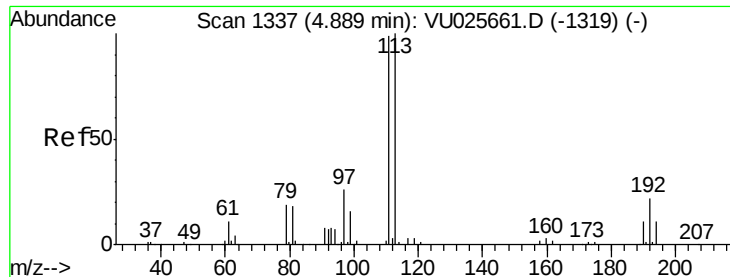
MMDadoda
 7/31/2018 3:47:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025659.D
 Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.6
88	15.4	0.0	32.4





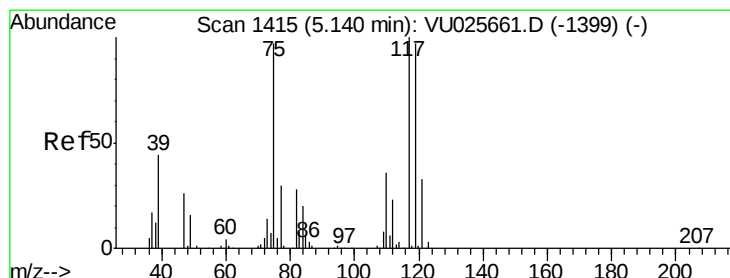
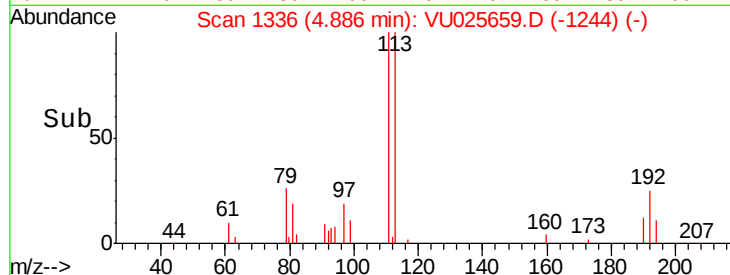
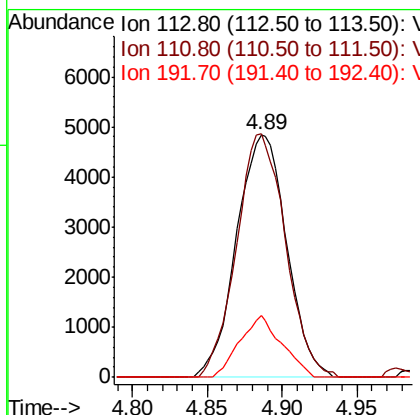
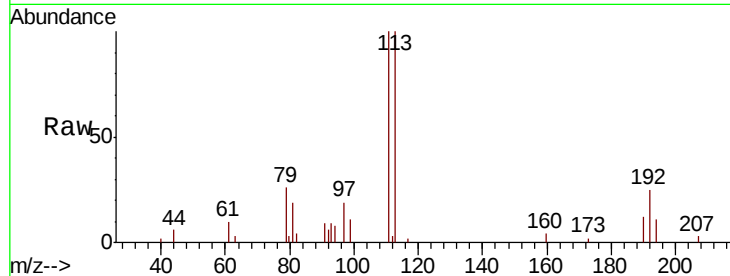
#35
Dibromofluoromethane
Concen: 5.36 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.9	81.7	122.5
192	21.3	17.1	25.7

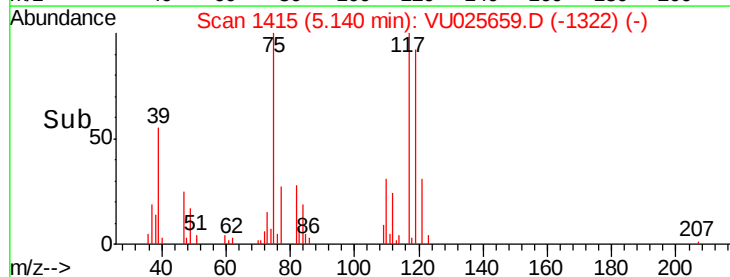
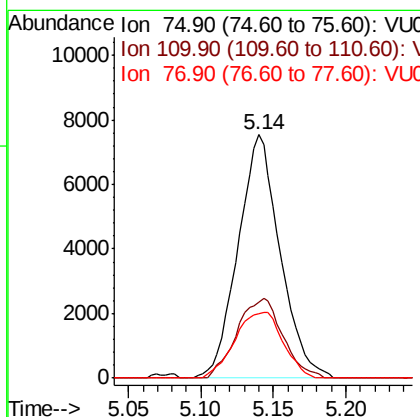
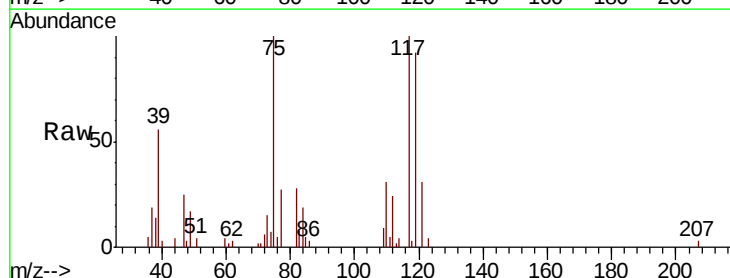
Manual Integrations
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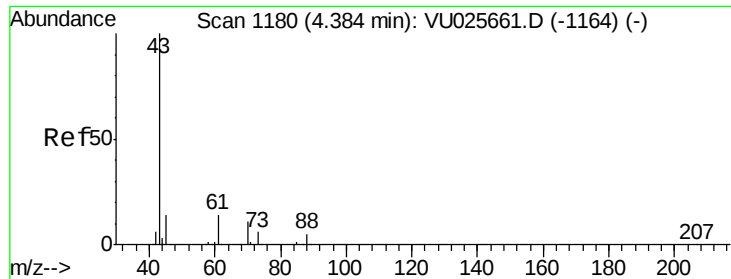
MMDadoda
7/31/2018 3:47:52 PM



#36
1,1-Dichloropropene
Concen: 5.48 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.6	52.9
77	31.0	24.4	36.6





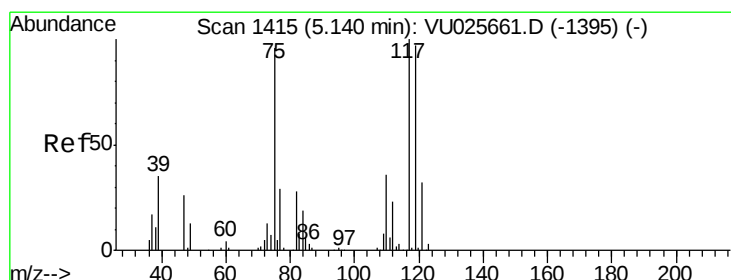
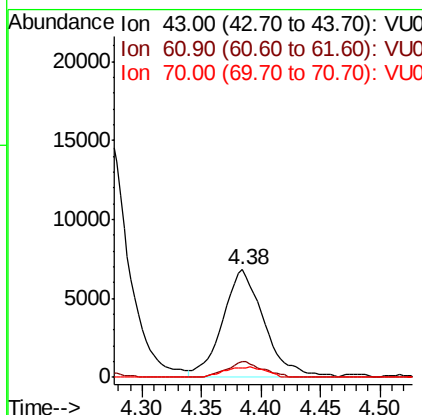
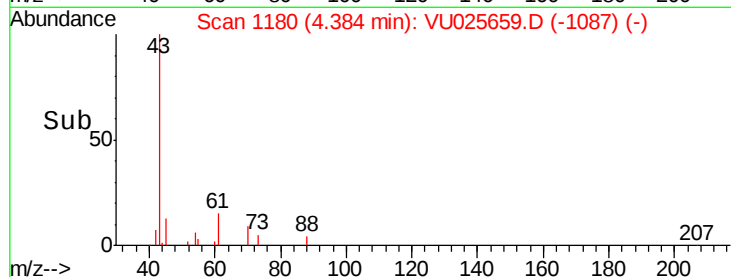
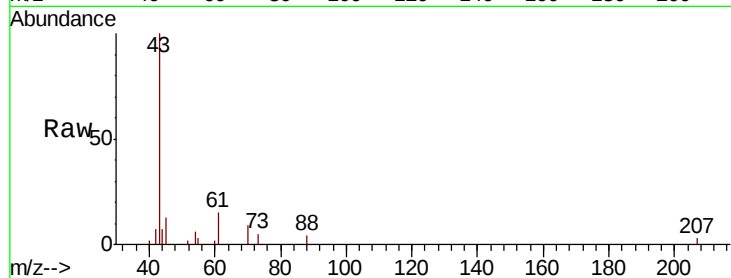
#37
Ethyl Acetate
Concen: 5.36 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.7	16.1
70	9.4	8.4	12.6

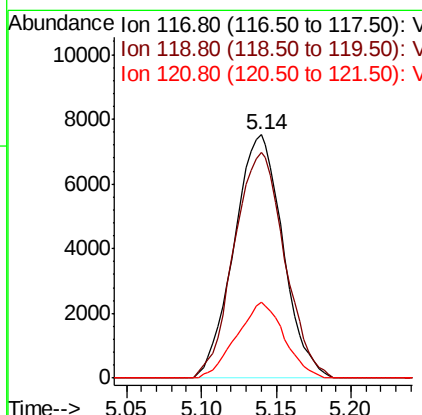
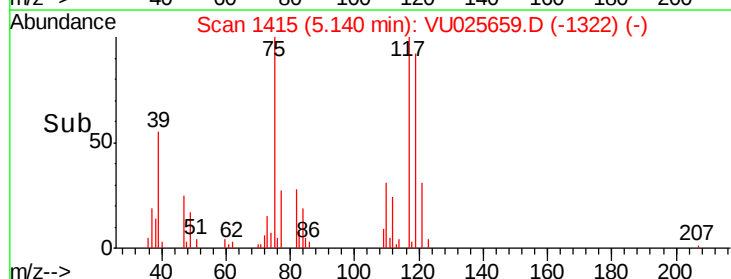
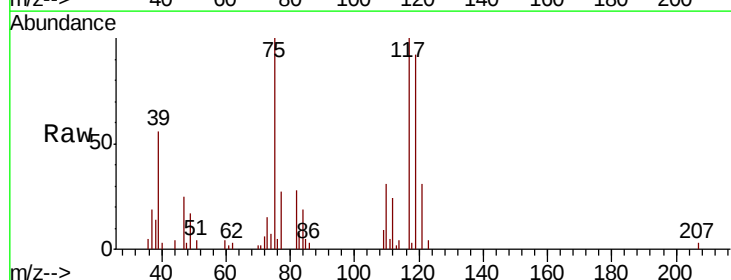
Manual Integrations
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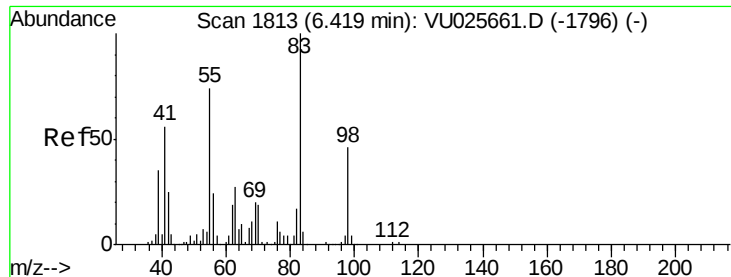
MMDadoda
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#38
Carbon Tetrachloride
Concen: 5.70 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.7	113.5
121	31.1	24.6	36.8





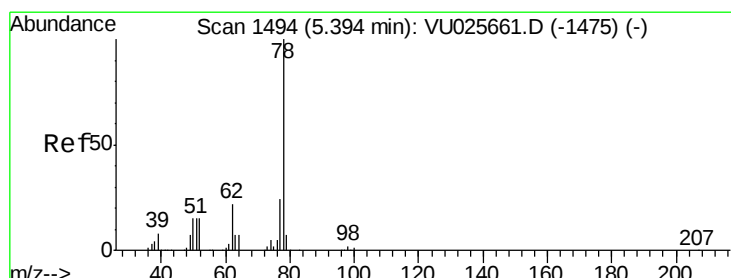
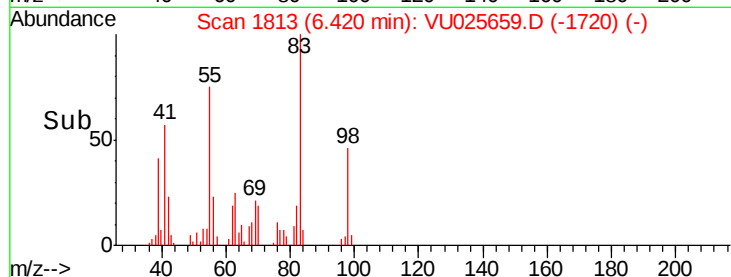
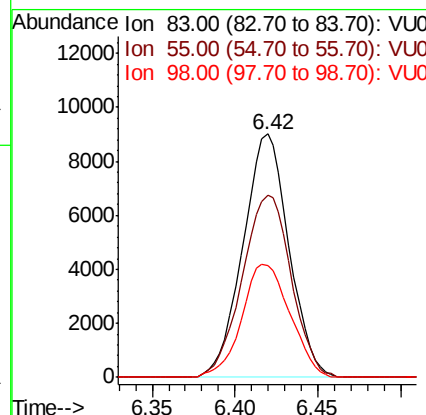
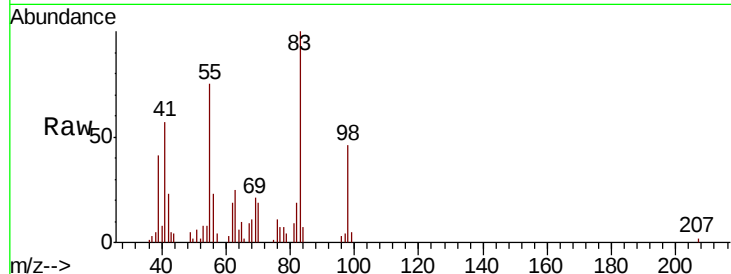
#39
Methvlcvclohexane
Concen: 5.00 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	60.0	90.0
98	45.8	36.1	54.1

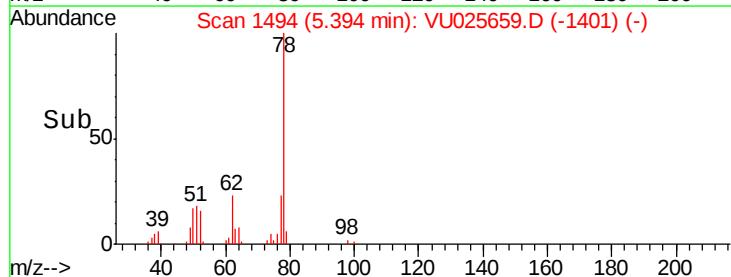
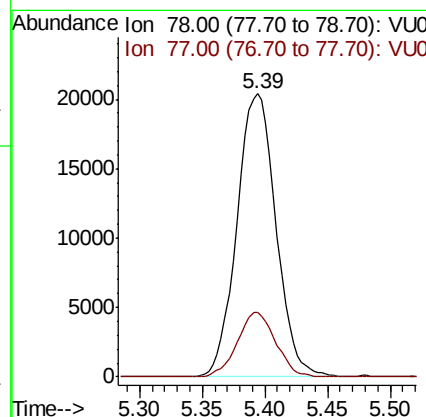
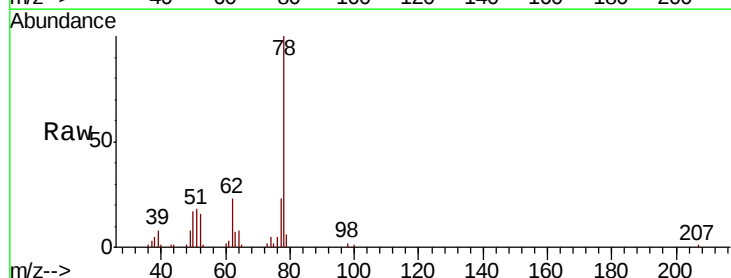
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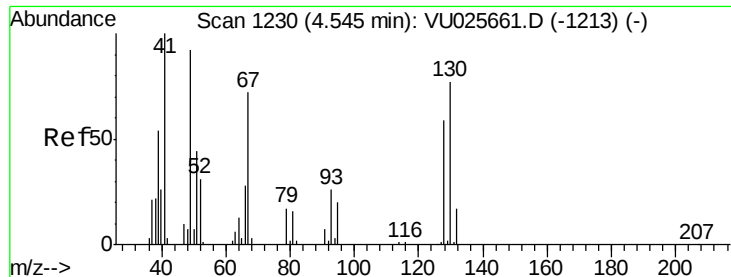
MMDadoda
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#40
Benzene
Concen: 5.53 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.8	29.6





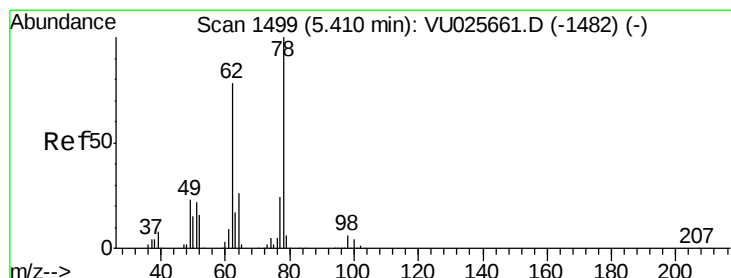
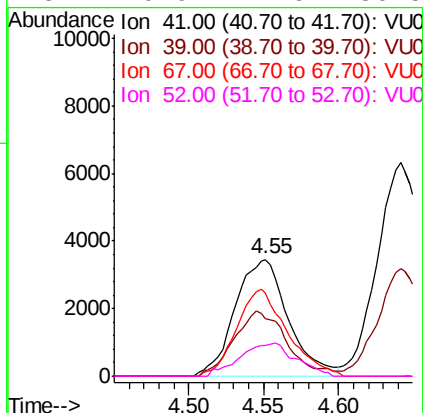
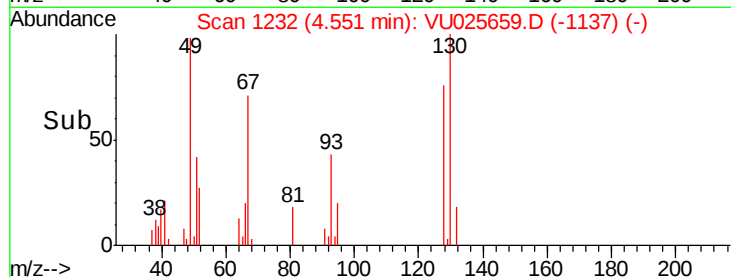
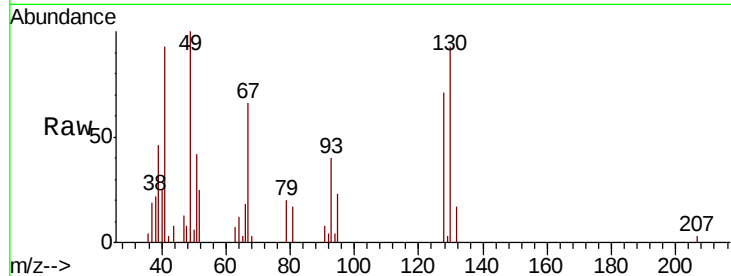
#41
Methacrylonitrile
Concen: 4.99 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.5	44.4	66.6
67	70.9	56.0	84.0
52	29.9	24.6	36.8

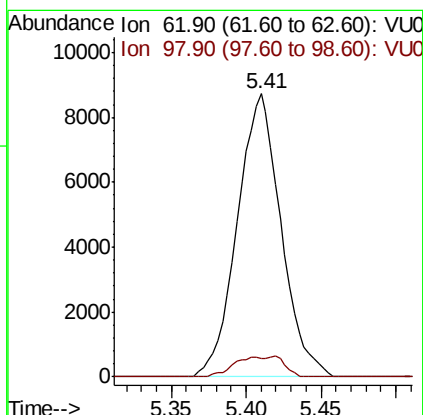
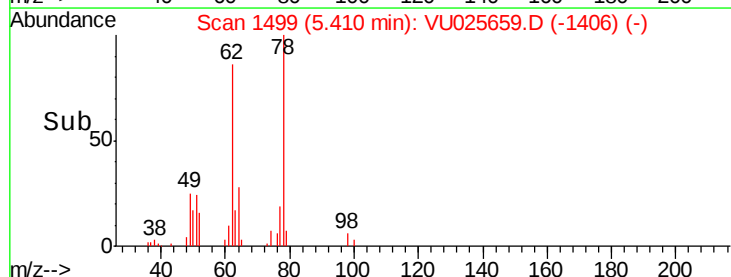
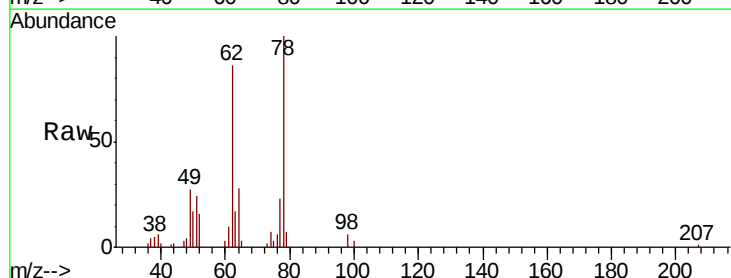
Manual Integrations
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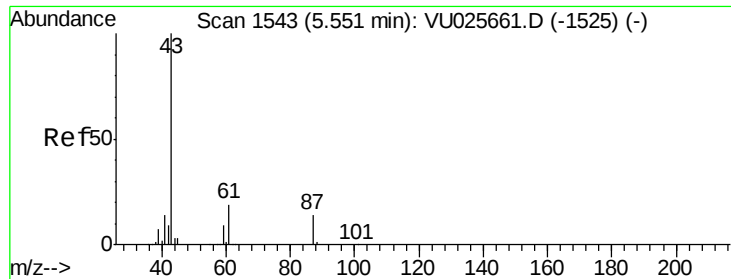
MMDadoda
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#42
1,2-Dichloroethane
Concen: 5.58 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.2	0.0	16.4





#43

Isopropyl Acetate

Concen: 5.07 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

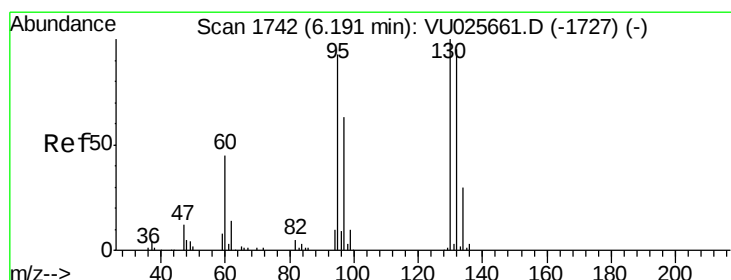
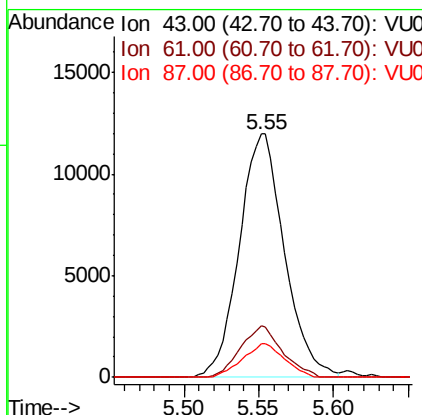
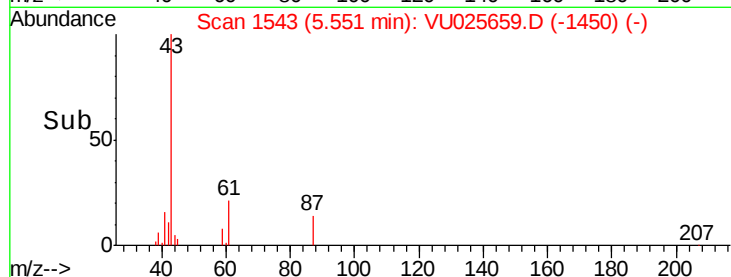
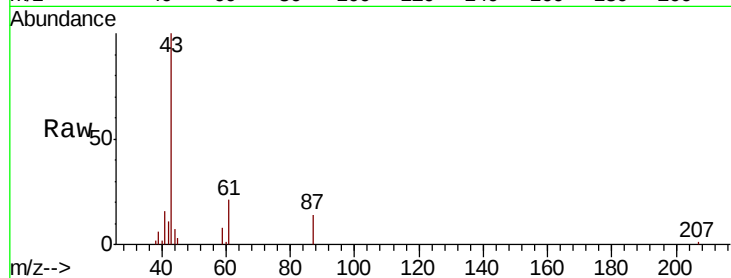
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	25136
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.5	23.3
87	12.8	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 5.24 ug/l

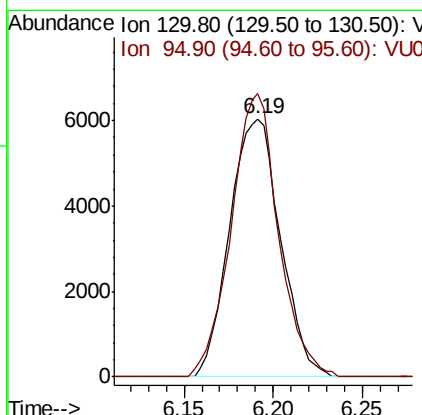
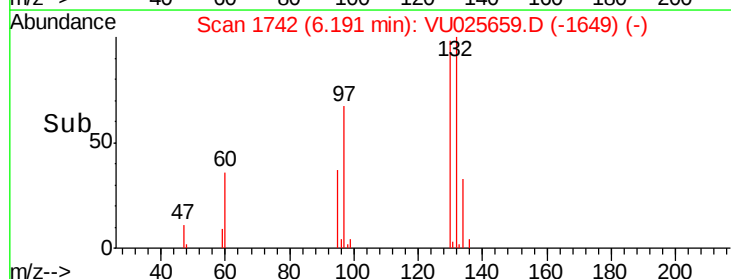
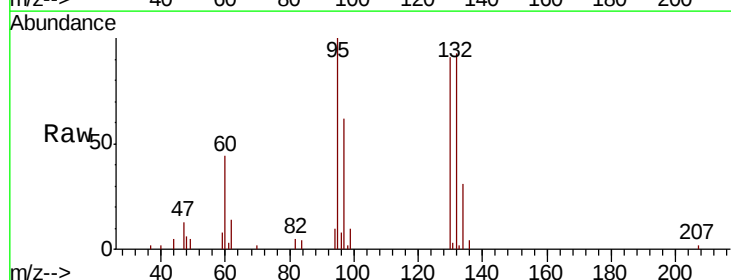
RT: 6.19 min Scan# 1742

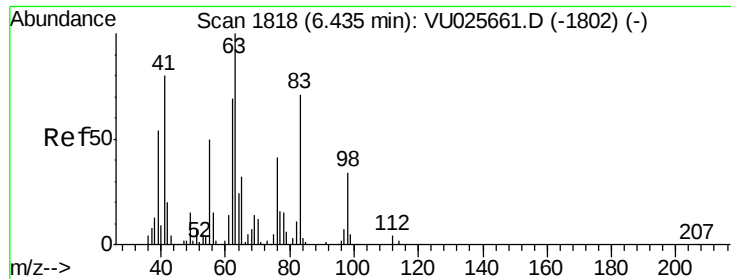
Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Tgt Ion:	130	Resp:	12029
Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	192.2





#45

1,2-Dichloropropane

Concen: 5.42 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 11351

Ion Ratio Lower Upper

63 100

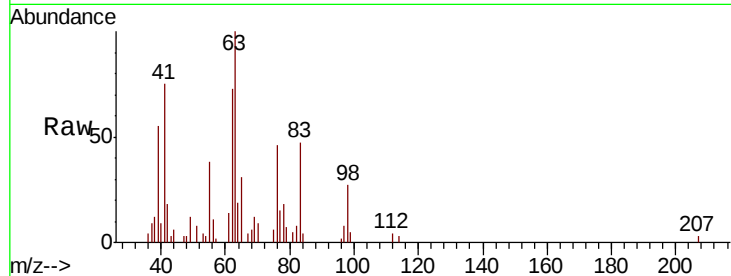
65 31.1 26.1 39.1

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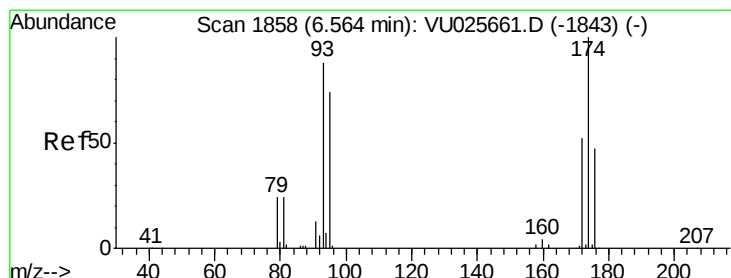
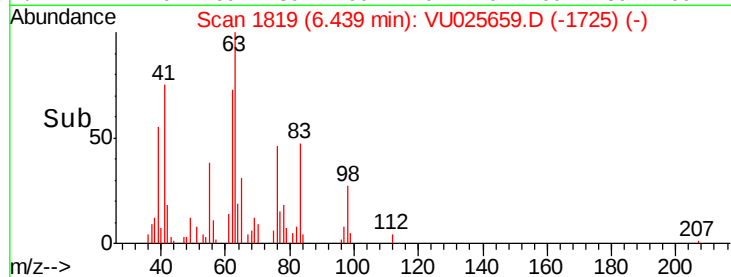
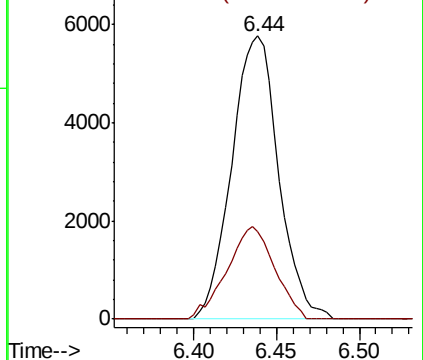
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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 5.68 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

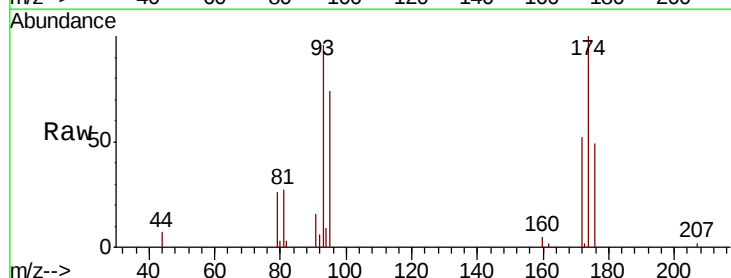
Tgt Ion: 93 Resp: 8650

Ion Ratio Lower Upper

93 100

95 42.5 66.6 100.0#

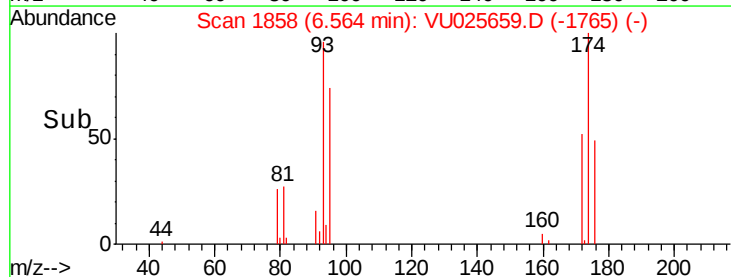
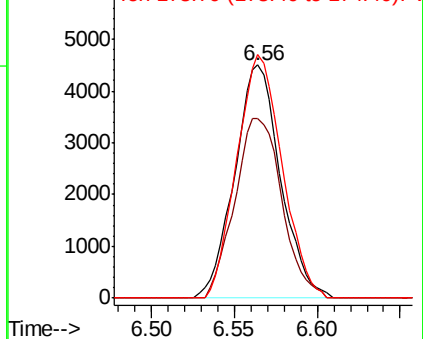
174 103.3 85.8 128.8

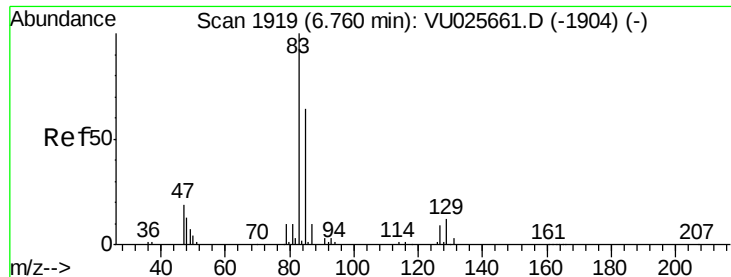


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.82 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

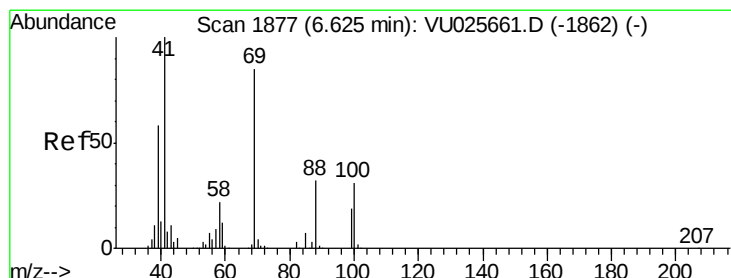
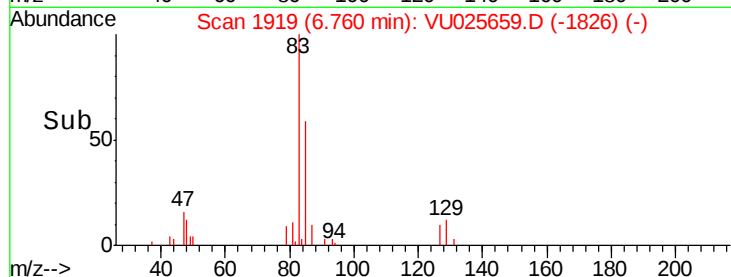
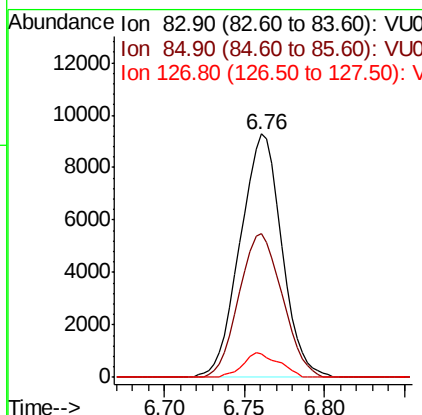
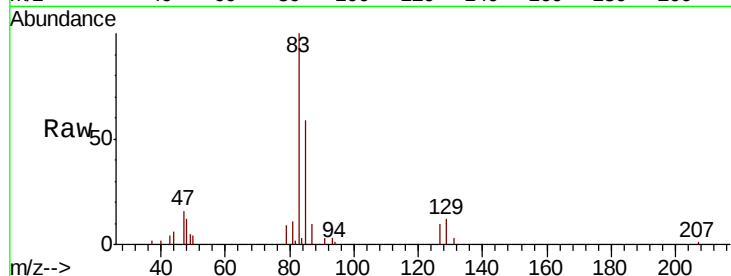
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	16491
Ion	Ratio	Lower	Upper
83	100		
85	59.0	50.2	75.4
127	9.7	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.95 ug/l

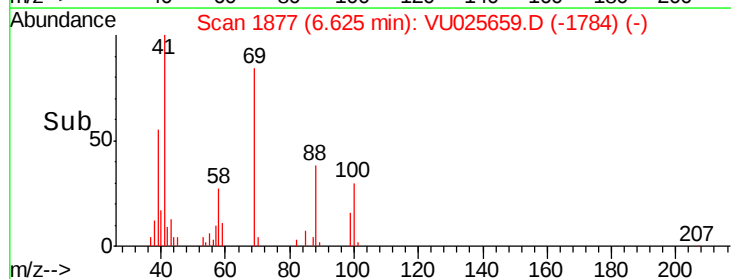
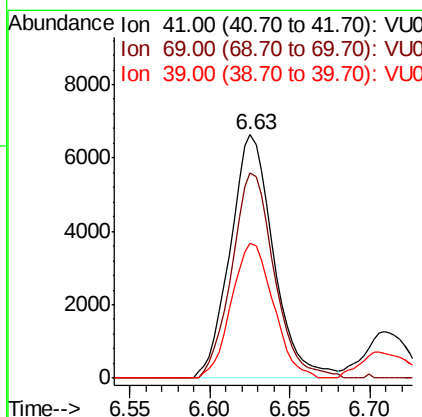
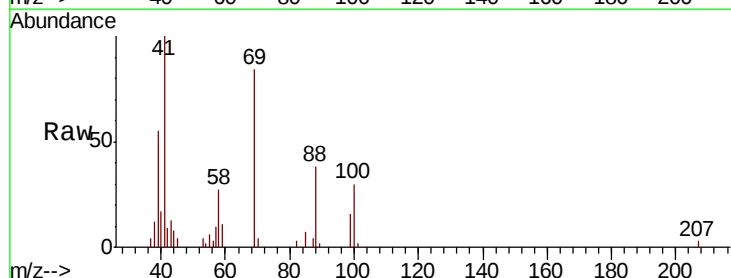
RT: 6.63 min Scan# 1877

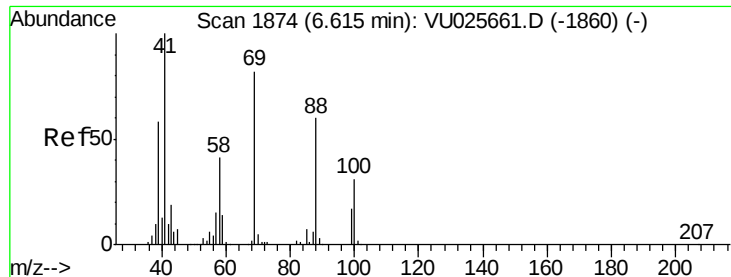
Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Tgt Ion:	41	Resp:	12227
Ion	Ratio	Lower	Upper
41	100		
69	82.7	65.0	97.4
39	53.7	46.4	69.6





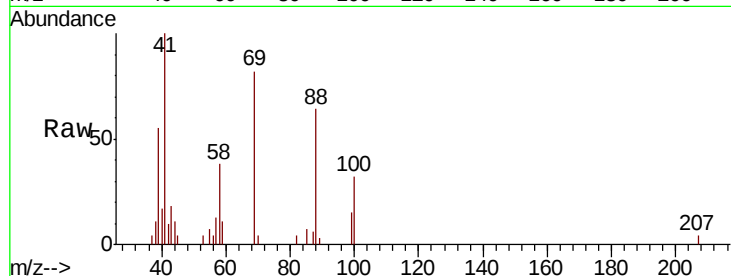
#49
1,4-Dioxane
Concen: 101.26 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	27.3	40.9
58	67.3	57.6	86.4

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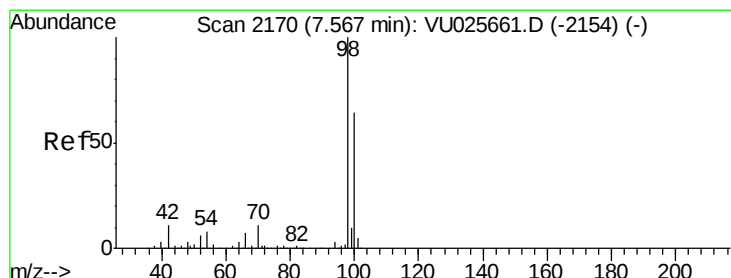
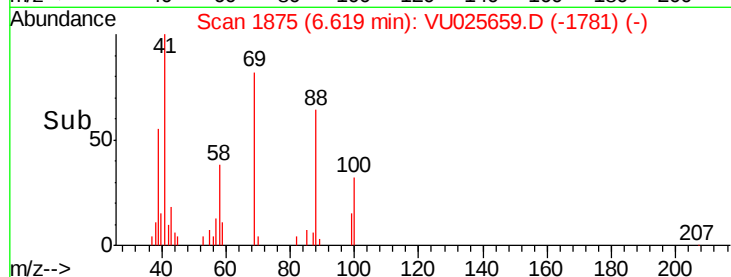
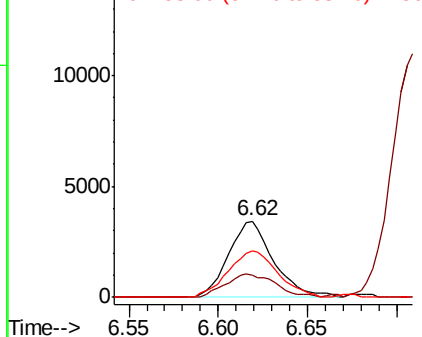
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Abundance Ion 88.00 (87.70 to 88.70): VU025661.D (-1860) (-)

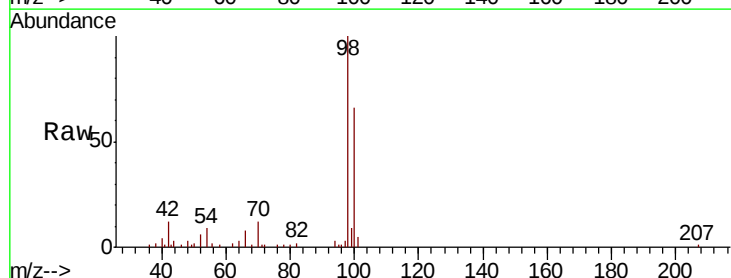
Ion 43.00 (42.70 to 43.70): VU025661.D (-1860) (-)

Ion 58.00 (57.70 to 58.70): VU025661.D (-1860) (-)



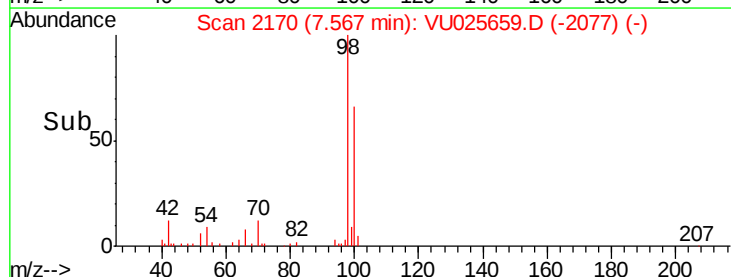
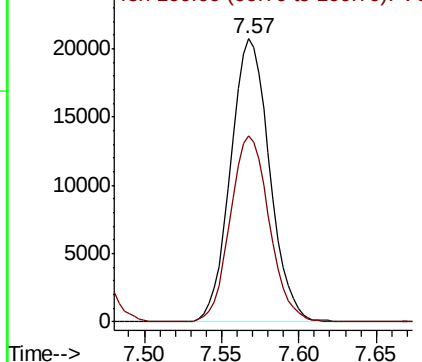
#50
Toluene-d8
Concen: 5.03 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

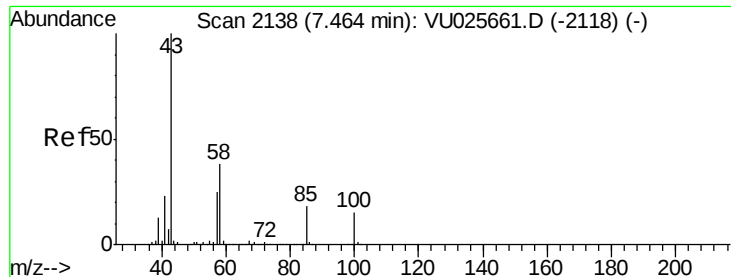
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.1	76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025661.D (-2154) (-)

Ion 100.00 (99.70 to 100.70): VU025661.D (-2154) (-)





#51

4-Methyl-2-Pentanone

Concen: 23.98 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 77226

Ion Ratio Lower Upper

43 100

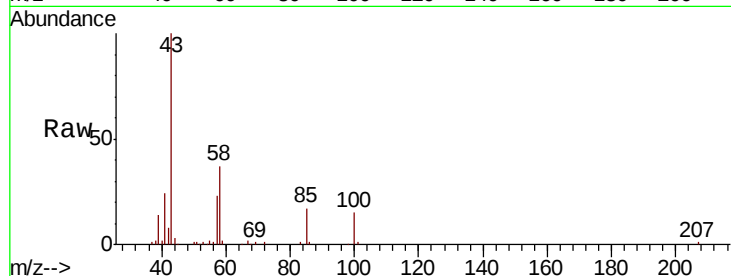
58 37.7 31.0 46.4

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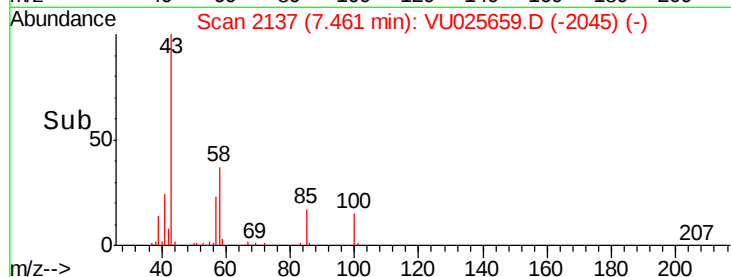


Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-2118) (-)

Ion 58.00 (57.70 to 58.70): VU025661.D (-2118) (-)

7.46

Time-->

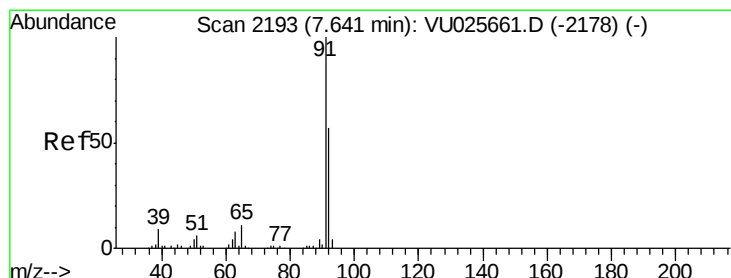


Abundance Ion 43.00 (42.70 to 43.70): VU025659.D (-2045) (-)

Ion 58.00 (57.70 to 58.70): VU025659.D (-2045) (-)

7.46

Time-->



#52

Toluene

Concen: 5.31 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025659.D

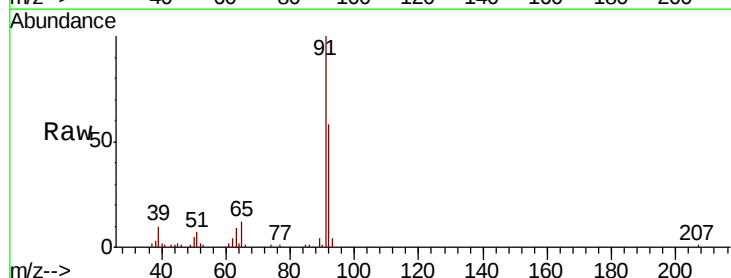
Acq: 27 Jul 2018 10:18

Tgt Ion: 92 Resp: 26996

Ion Ratio Lower Upper

92 100

91 174.9 139.2 208.8

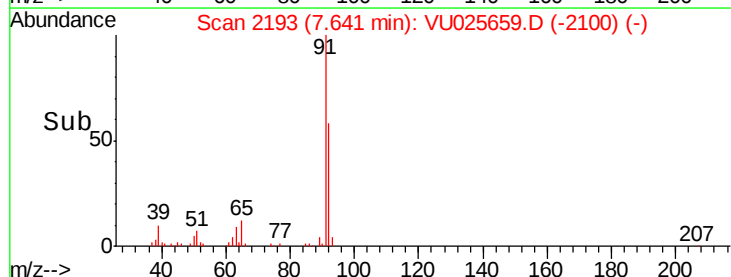


Abundance Ion 92.00 (91.70 to 92.70): VU025661.D (-2178) (-)

Ion 91.00 (90.70 to 91.70): VU025661.D (-2178) (-)

7.64

Time-->

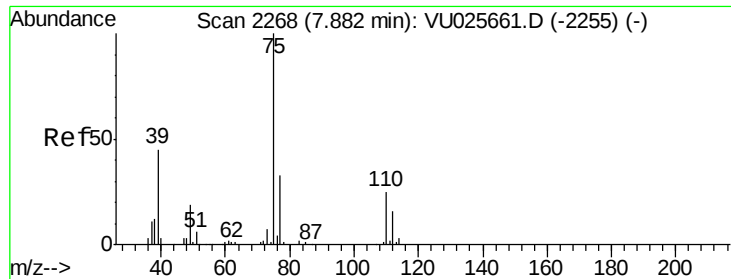


Abundance Ion 92.00 (91.70 to 92.70): VU025659.D (-2100) (-)

Ion 91.00 (90.70 to 91.70): VU025659.D (-2100) (-)

7.64

Time-->



#53

t-1,3-Dichloropropene

Concen: 5.47 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 17011

Ion Ratio Lower Upper

75 100

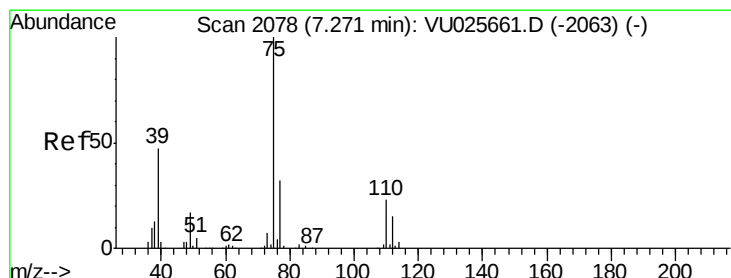
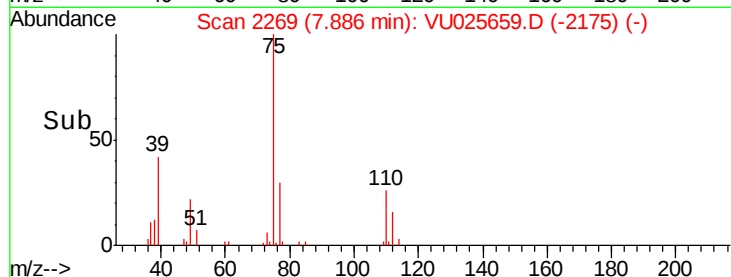
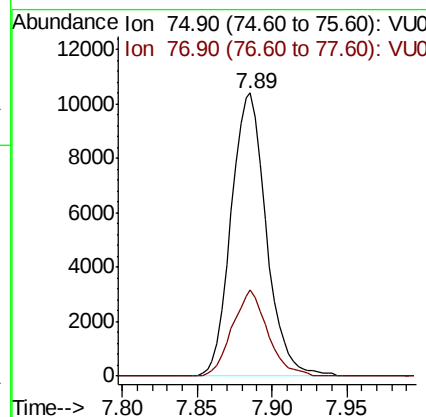
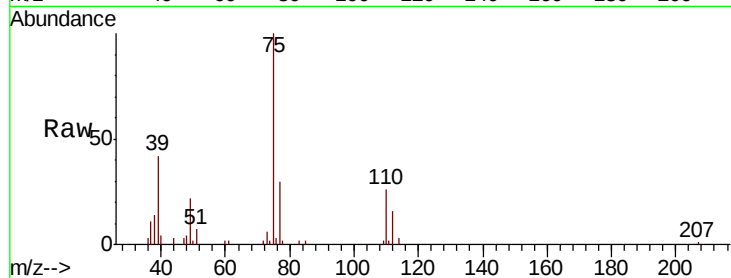
77 30.3 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 5.42 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

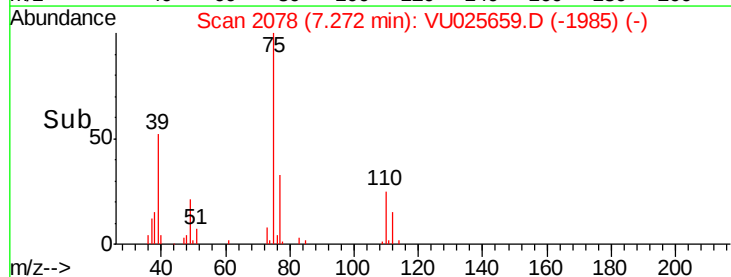
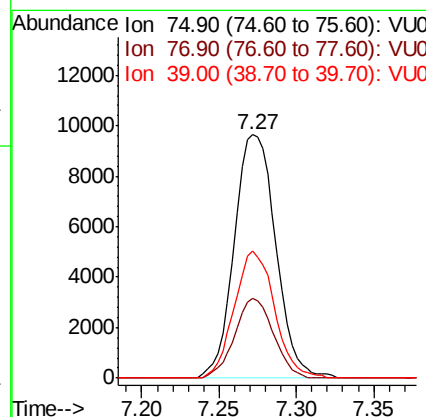
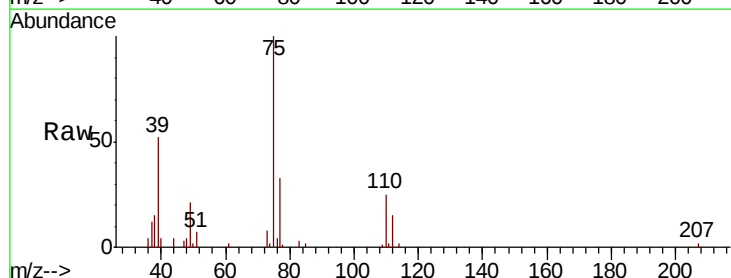
Tgt Ion: 75 Resp: 17952

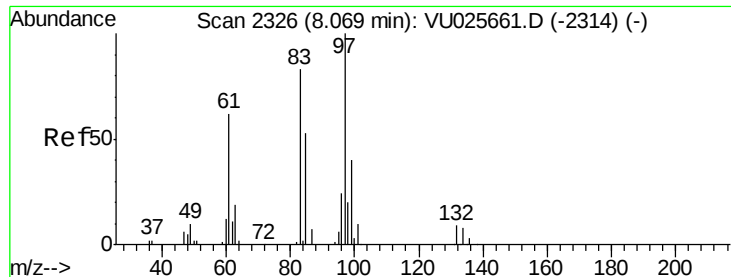
Ion Ratio Lower Upper

75 100

77 32.7 25.6 38.4

39 52.3 40.0 60.0





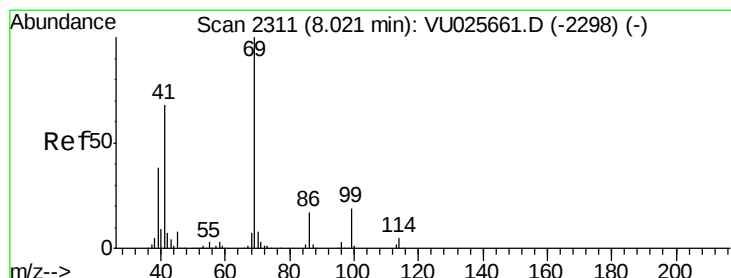
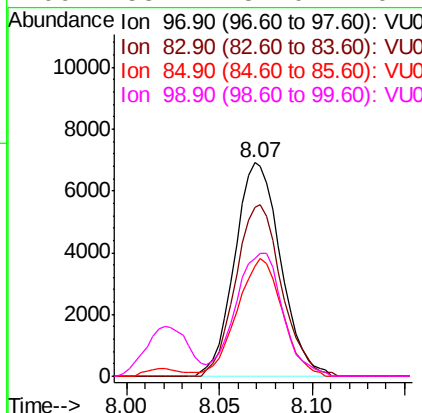
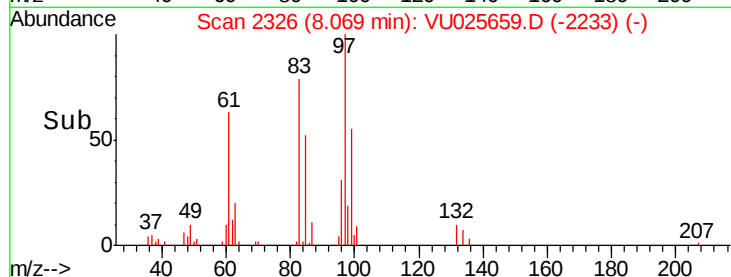
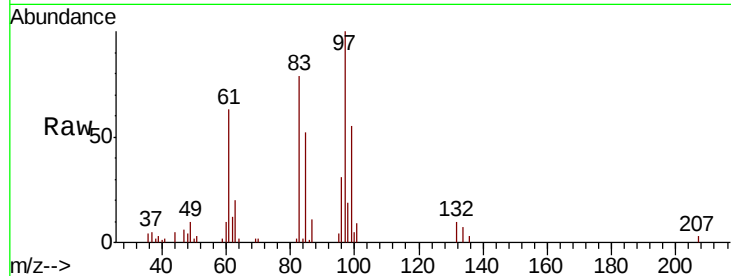
#55
 1,1,2-Trichloroethane
 Concen: 5.60 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025659.D
 Acq: 27 Jul 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	11873
Ion	Ratio	Lower	Upper
97	100		
83	79.3	68.9	103.3
85	51.8	44.4	66.6
99	55.4	51.0	76.4

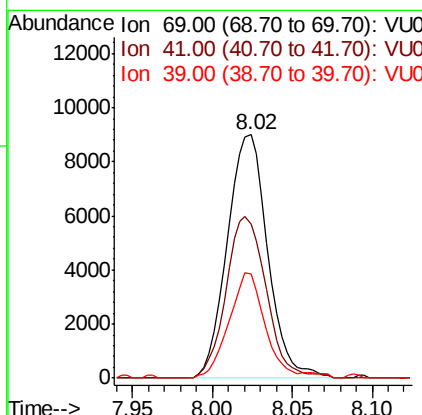
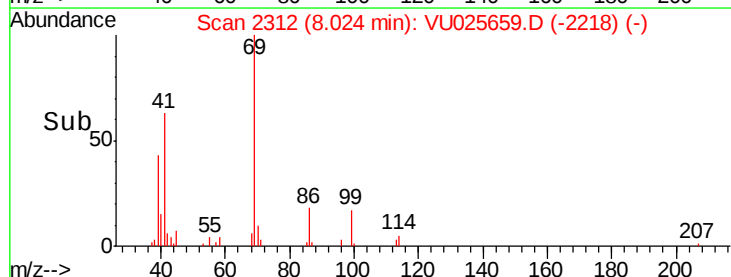
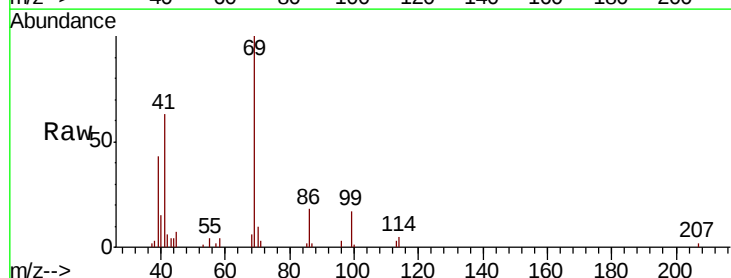
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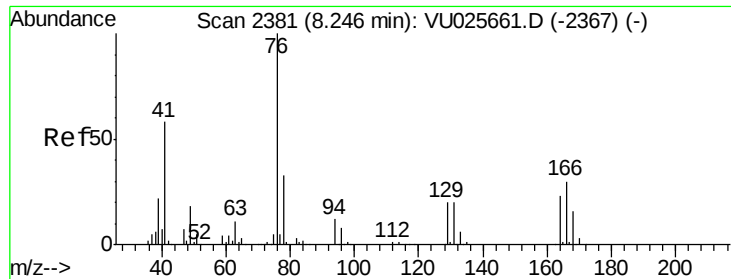
MMDadoda
 7/31/2018 3:47:52 PM



#56
 Ethyl methacrylate
 Concen: 4.67 ug/l
 RT: 8.02 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VU025659.D
 Acq: 27 Jul 2018 10:18

Tgt Ion:	69	Resp:	15465
Ion	Ratio	Lower	Upper
69	100		
41	65.5	54.8	82.2
39	38.0	31.1	46.7





#57

1,3-Dichloropropane

Concen: 5.44 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Tot Ion: 76 Resp: 19145

Ion Ratio Lower Upper

76 100

78 31.3 26.1 39.1

Instrument :

MSVOA_U

ClientSampleId :

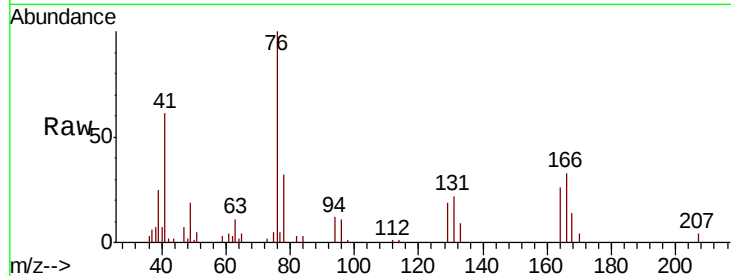
VSTDIC005

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.25

12000

10000

8000

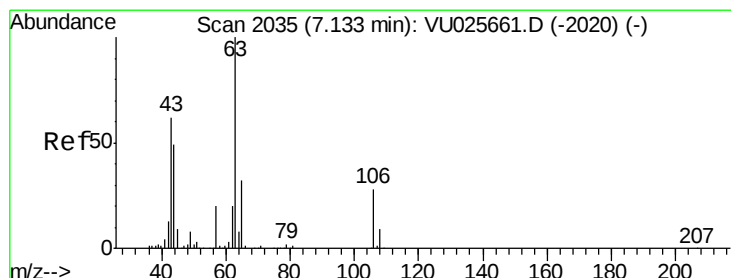
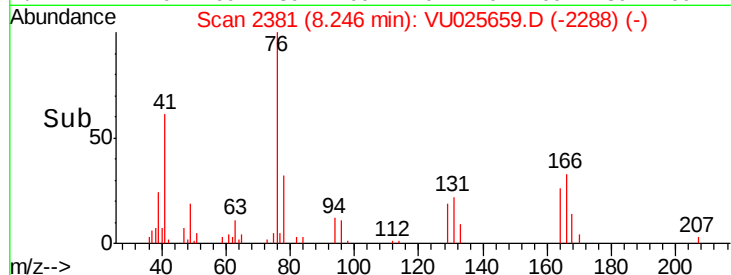
6000

4000

2000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 27.07 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025659.D

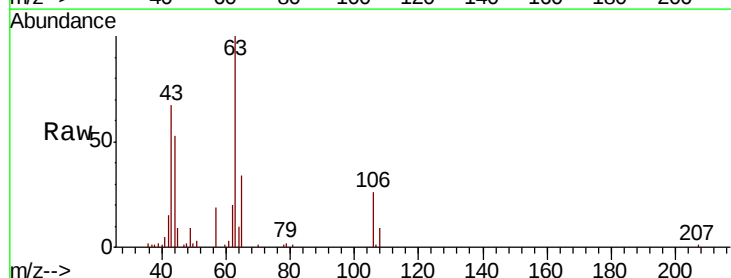
Acq: 27 Jul 2018 10:18

Tgt Ion: 63 Resp: 31608

Ion Ratio Lower Upper

63 100

106 27.4 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

20000

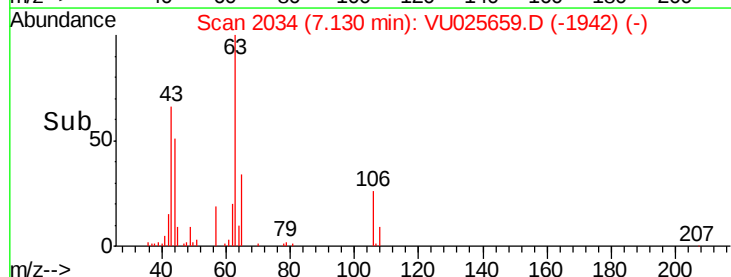
15000

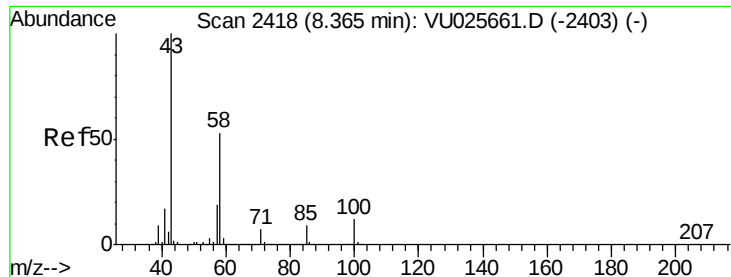
10000

5000

0

Time-->





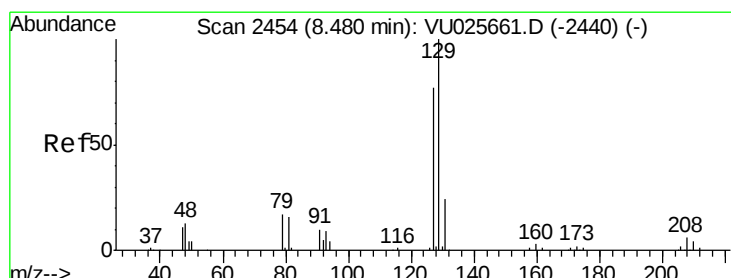
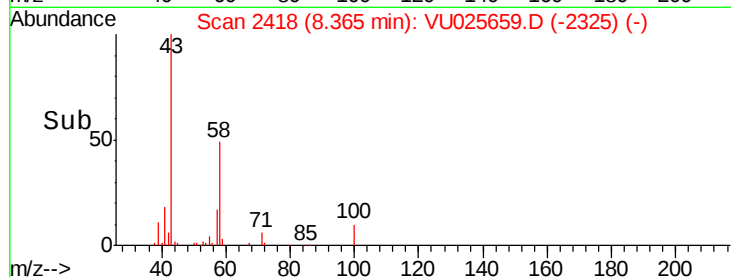
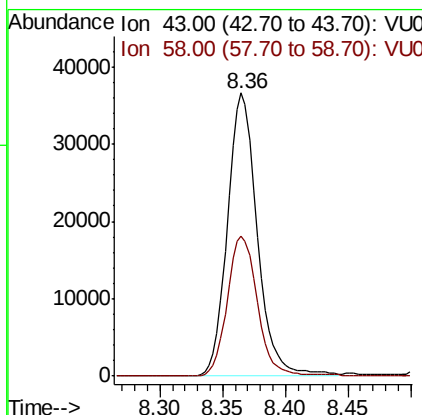
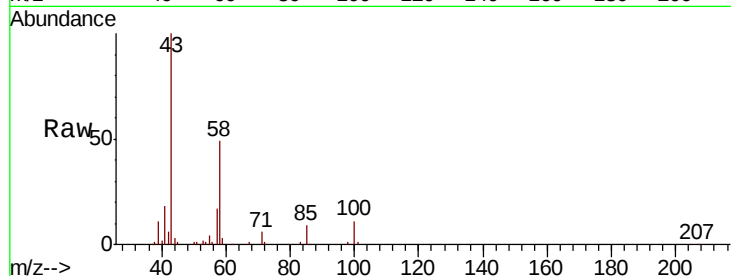
#59
2-Hexanone
Concen: 23.16 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 60490
Ion Ratio Lower Upper
43 100
58 49.7 26.2 78.5

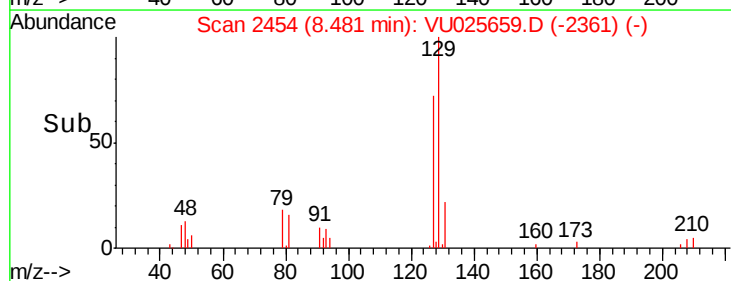
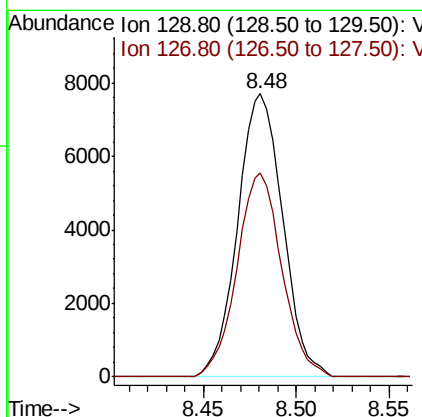
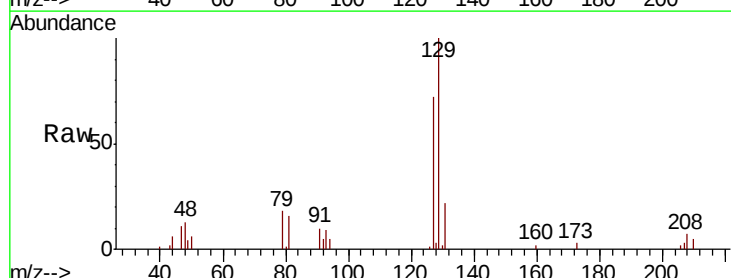
Manual Integrations
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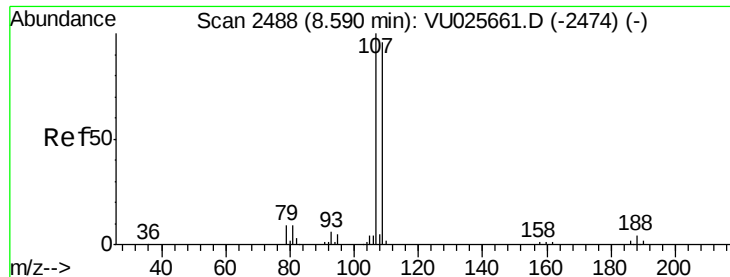
MMDadoda
7/31/2018 3:47:52 PM



#60
Dibromochloromethane
Concen: 5.68 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Tgt Ion: 129 Resp: 13006
Ion Ratio Lower Upper
129 100
127 71.7 38.6 115.8





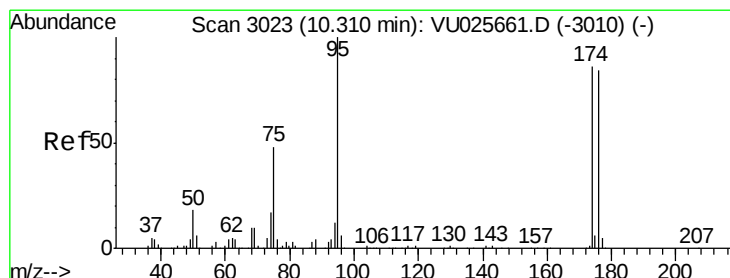
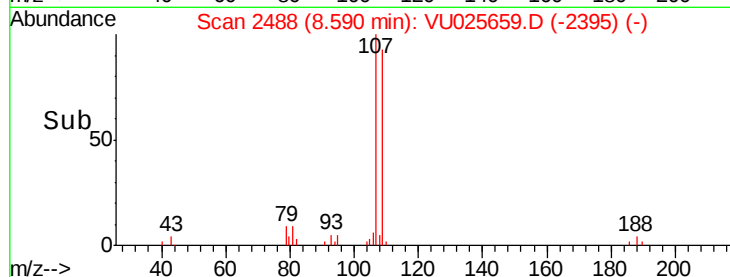
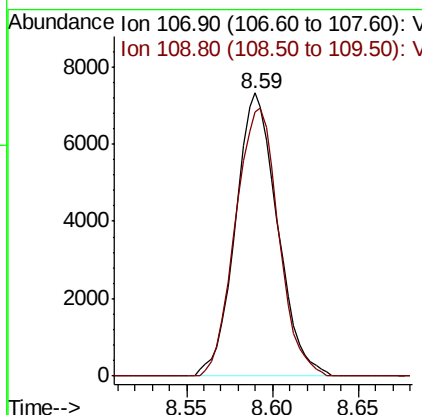
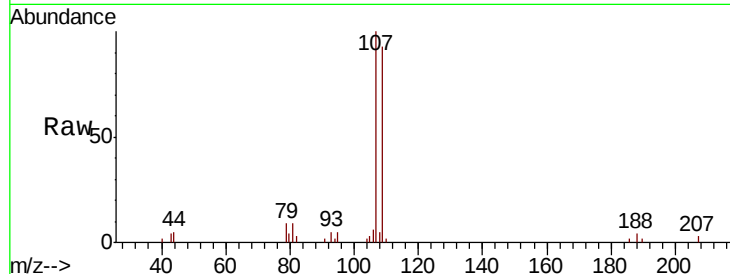
#61
 1,2-Dibromoethane
 Concen: 5.48 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025659.D
 Acq: 27 Jul 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.1	75.8	113.8

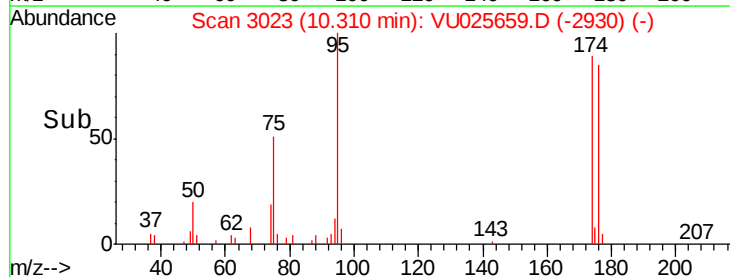
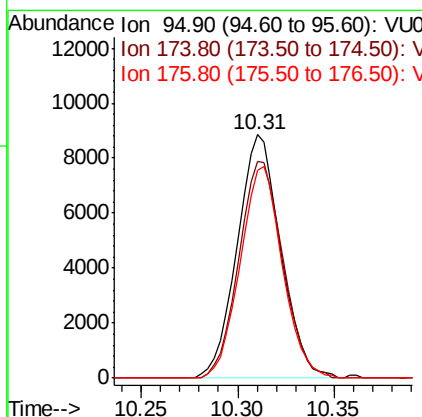
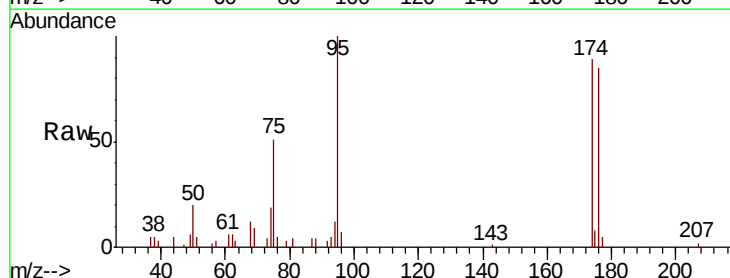
Manual Integrations
 APPROVED

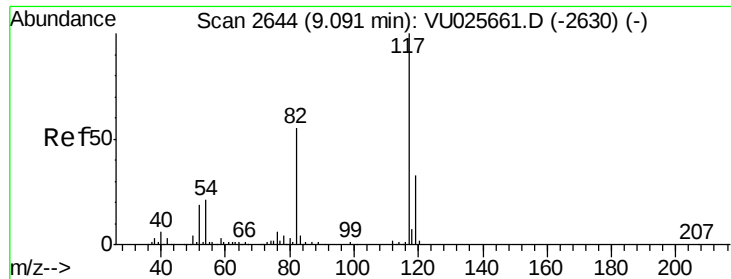
MMDadoda
 7/31/2018 3:47:52 PM



#62
 4-Bromofluorobenzene
 Concen: 4.75 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025659.D
 Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	172.2
176	84.5	0.0	162.6





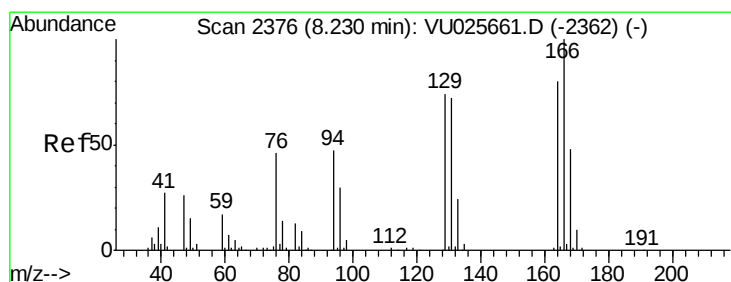
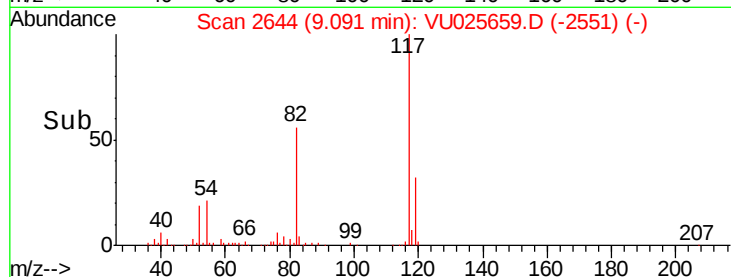
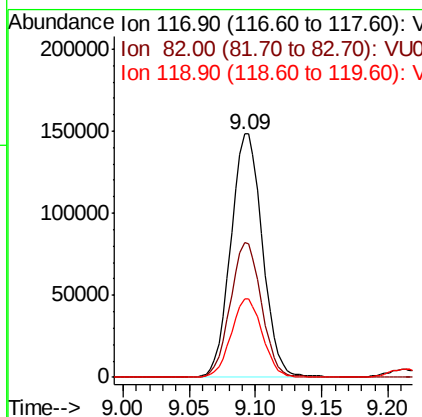
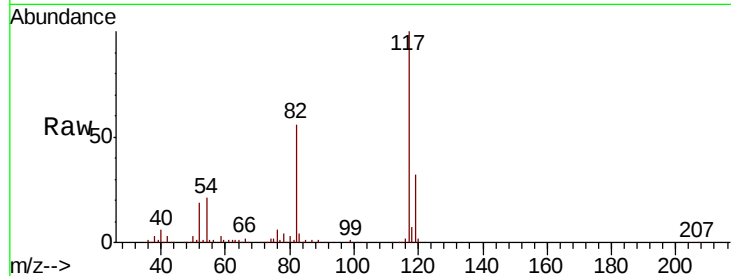
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	46.0	69.0
119	32.1	26.0	39.0

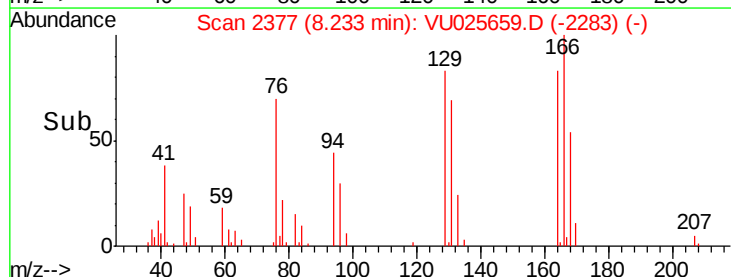
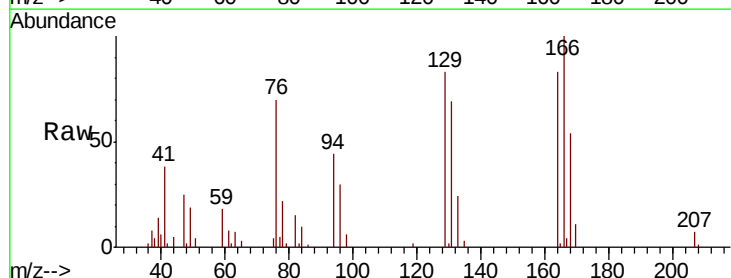
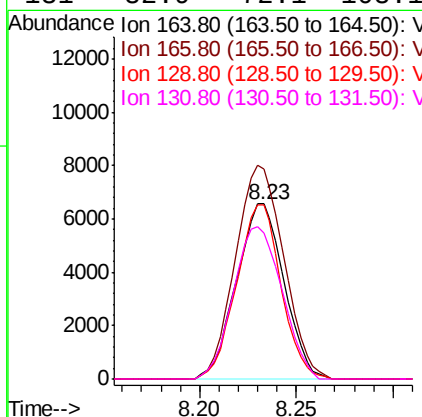
Manual Integrations
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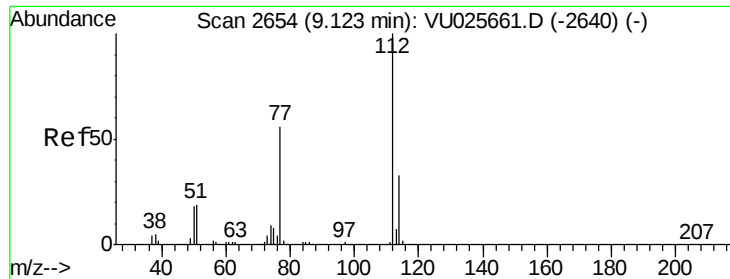
MMDadoda
7/31/2018 3:47:52 PM



#64
Tetrachloroethene
Concen: 5.01 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.9	101.1	151.7
129	99.0	73.0	109.6
131	82.9	72.1	108.1





#65

Chlorobenzene

Concen: 5.33 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 32756

Ion Ratio Lower Upper

112 100

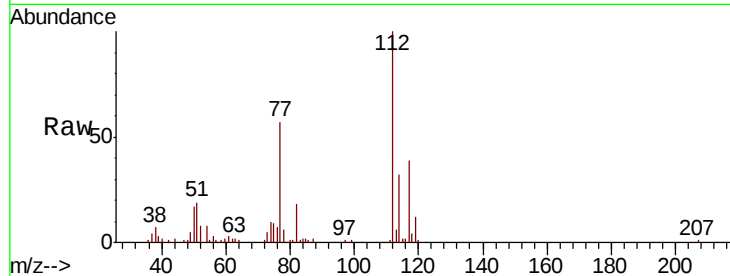
114 32.3 25.8 38.8

Manual Integrations

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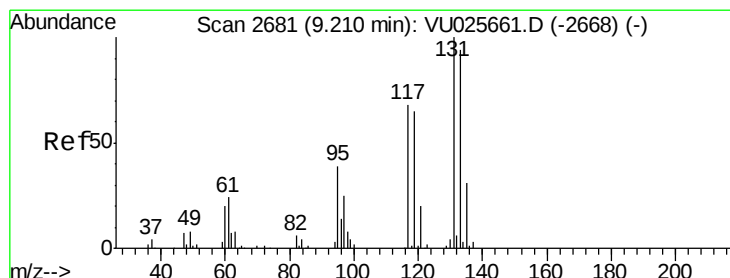
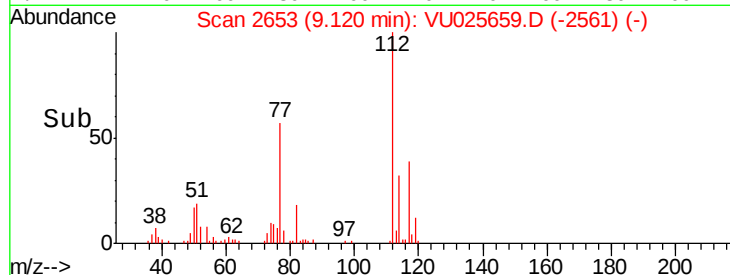
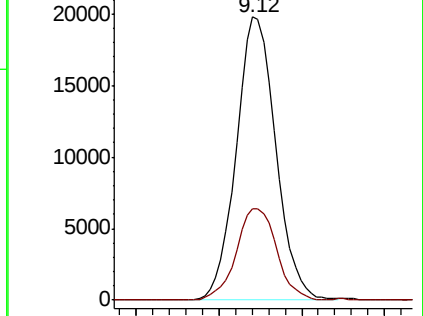
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.31 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

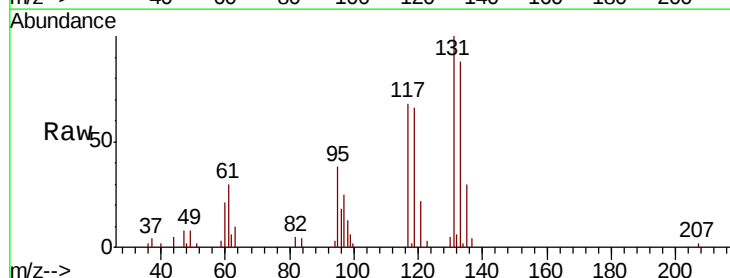
Tgt Ion:131 Resp: 11662

Ion Ratio Lower Upper

131 100

133 96.9 47.8 143.3

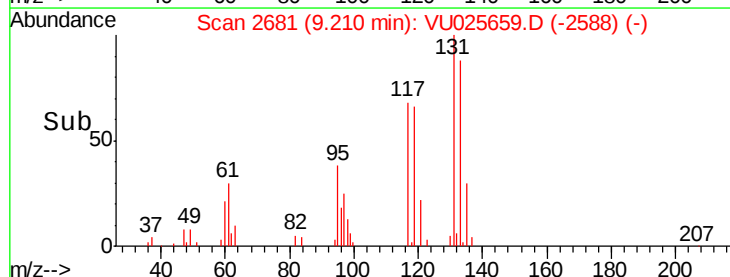
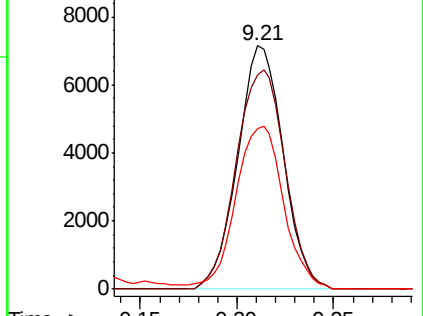
119 70.7 31.6 95.0

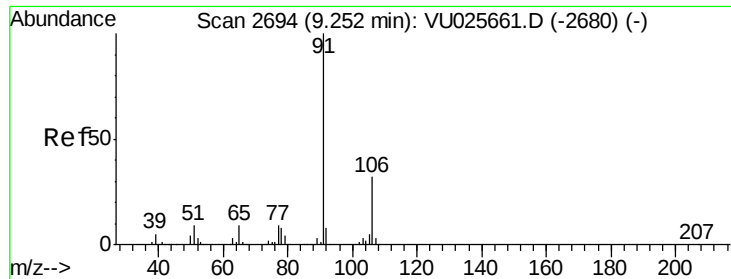


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





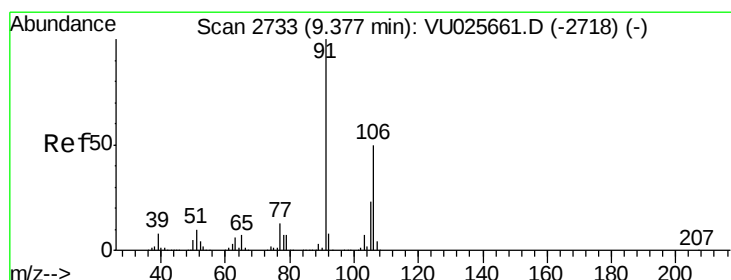
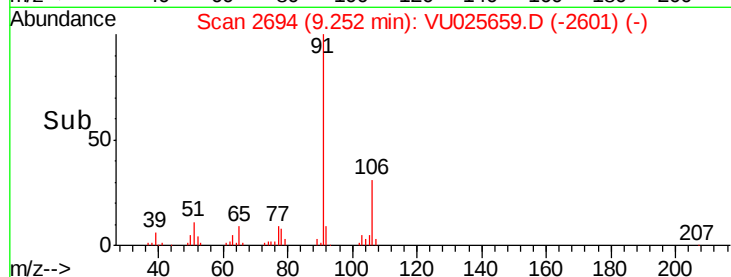
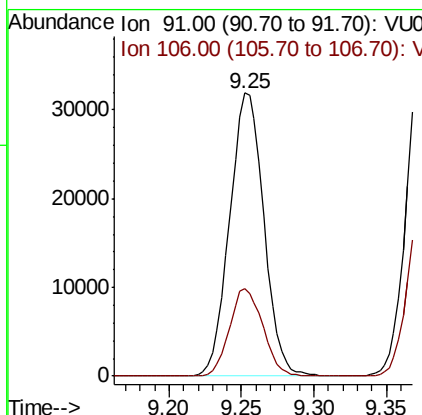
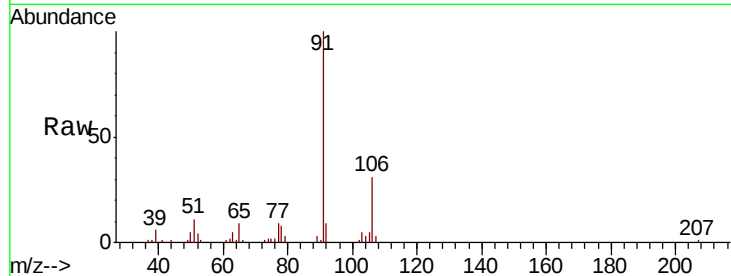
#67
Ethyl Benzene
Concen: 5.00 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.3	37.9

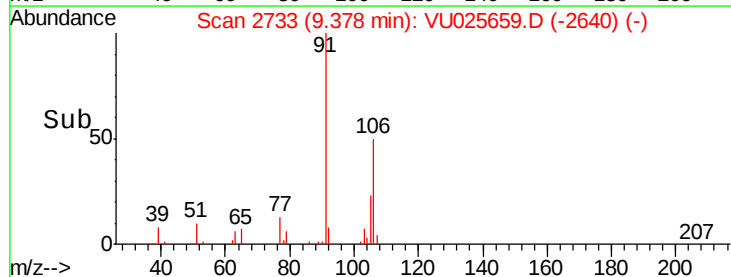
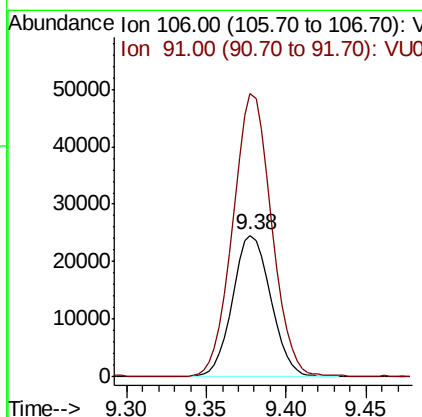
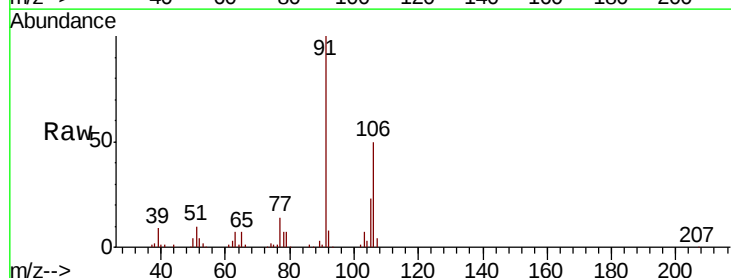
Manual Integrations
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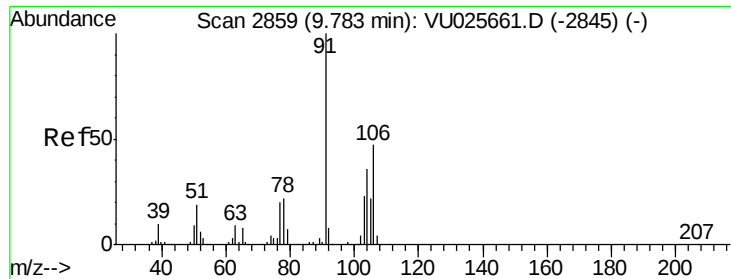
MMDadoda
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#68
m/p-Xylenes
Concen: 9.92 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.9	162.3	243.5





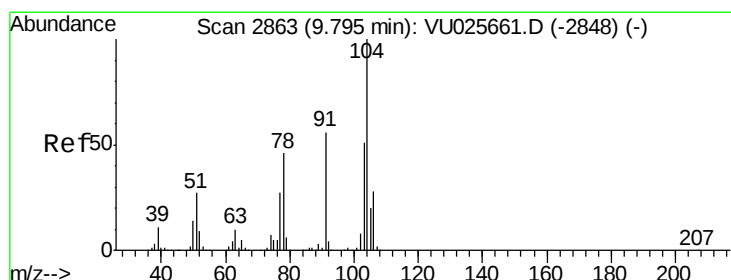
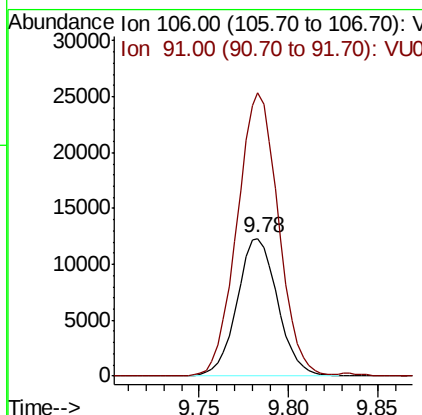
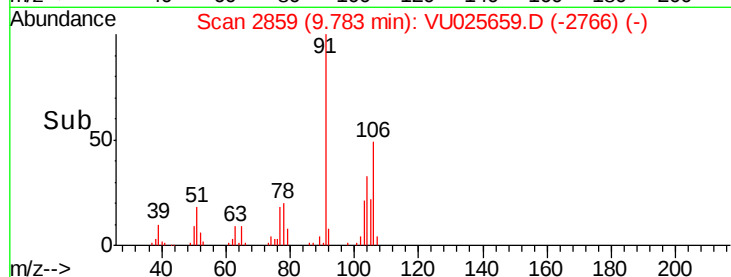
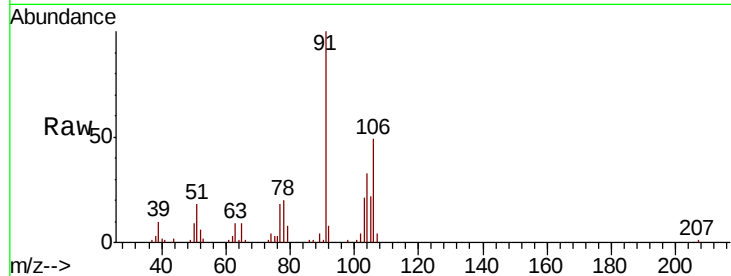
#69
o-Xylene
Concen: 4.81 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		19515		
91	209.3	105.3	315.8		

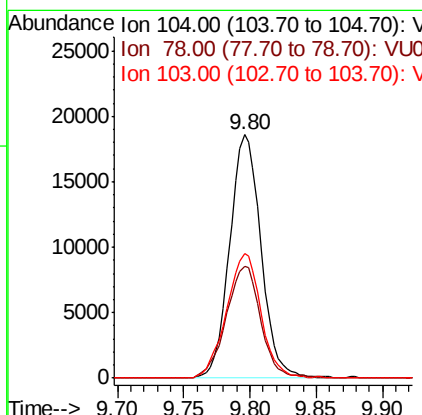
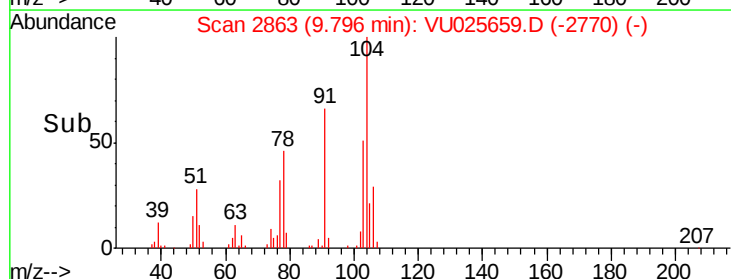
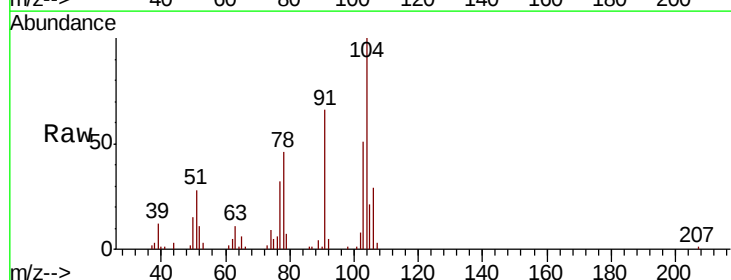
Manual Integrations
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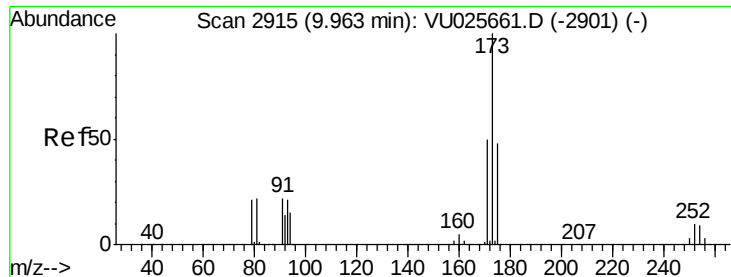
MMDadoda
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#70
Styrene
Concen: 4.76 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		30618		
78	50.4	41.6	62.4		
103	56.0	44.6	66.8		





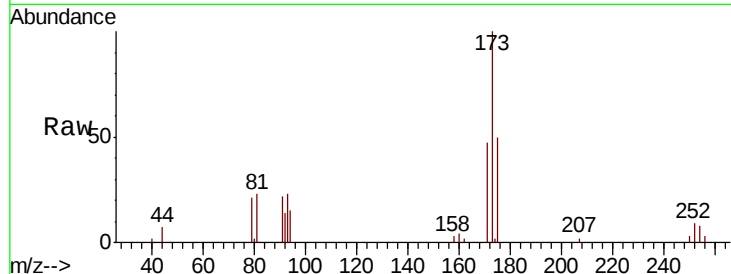
#71
Bromoform
Concen: 4.83 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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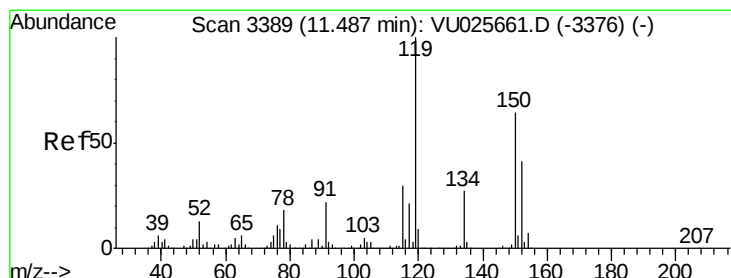
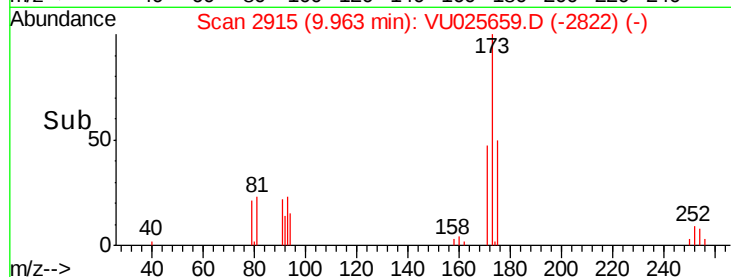
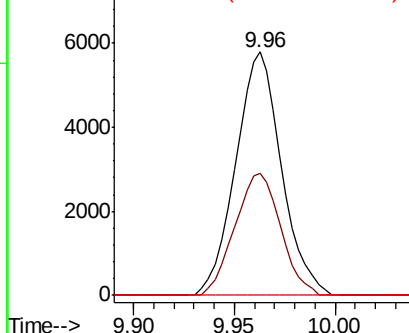


Abundance

Ion 172.70 (172.40 to 173.40): V

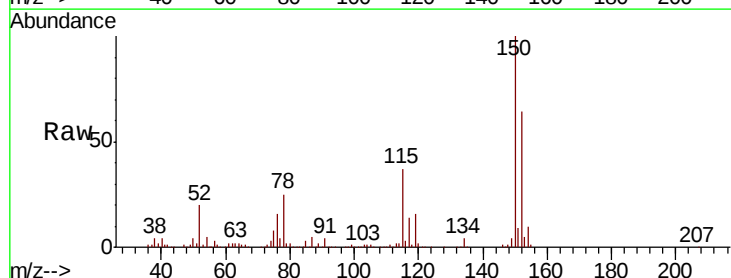
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	40.1	120.3
150	157.5	0.0	351.4

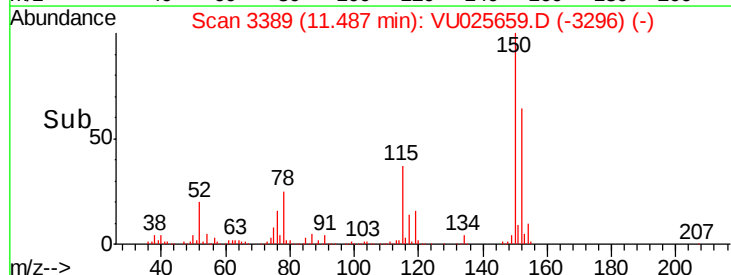
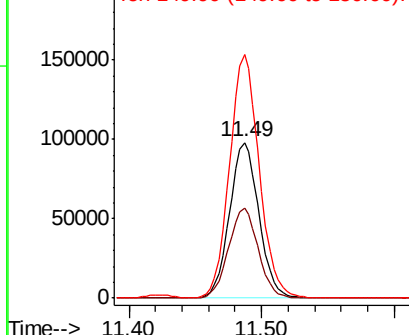


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.57 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 52572

Ion Ratio Lower Upper

105 100

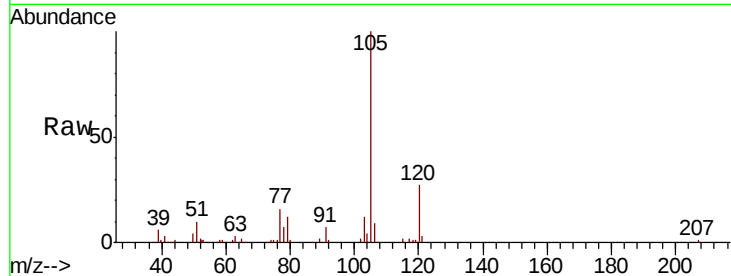
120 26.6 13.5 40.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

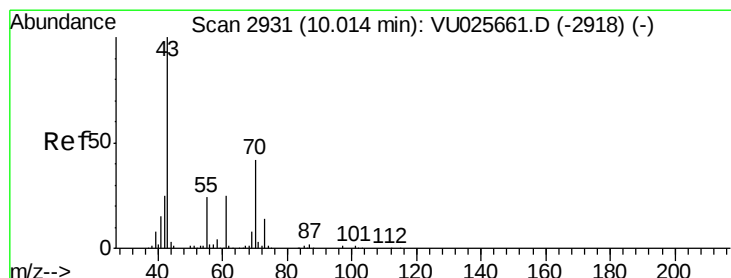
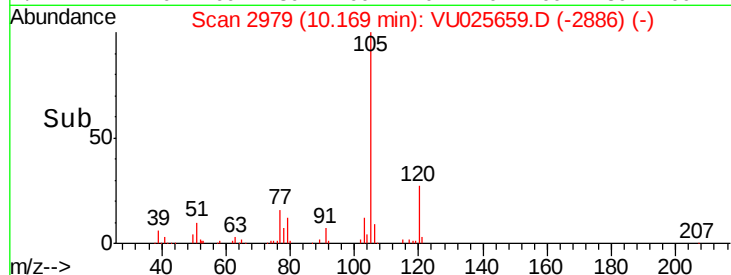
30000

20000

10000

0

Time--> 10.10 10.15 10.20



#74

N-ethyl acetate

Concen: 3.97 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Tgt Ion: 43 Resp: 19850

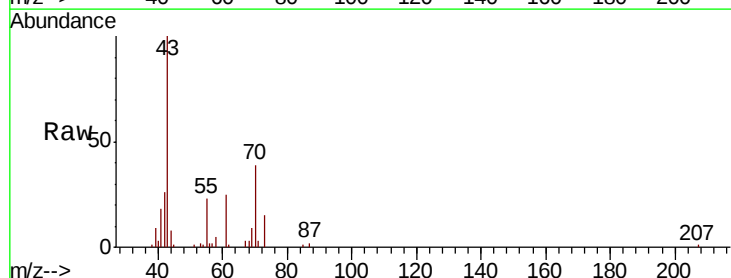
Ion Ratio Lower Upper

43 100

70 41.9 33.4 50.2

55 24.2 19.0 28.6

61 24.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

10.01

20000

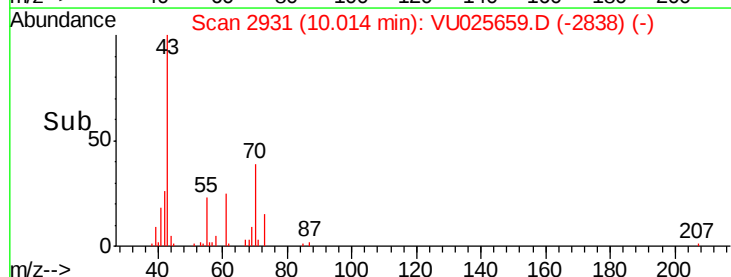
15000

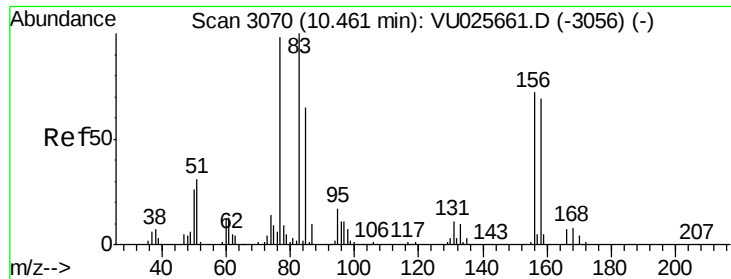
10000

5000

0

Time--> 9.95 10.00 10.05 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 4.92 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 18532
Ion Ratio Lower Upper

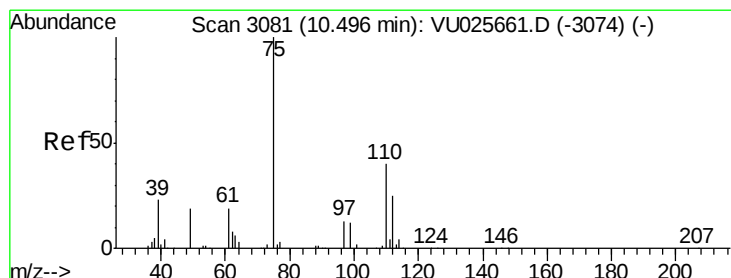
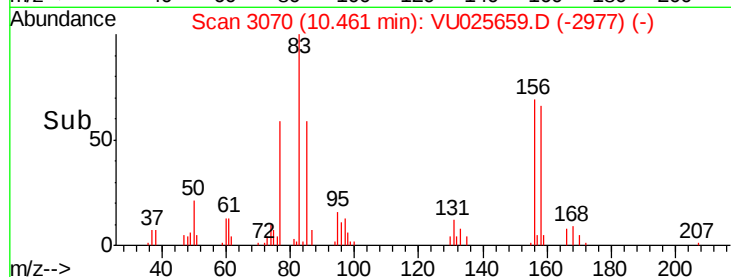
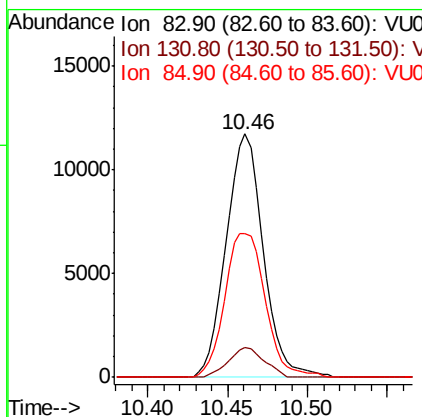
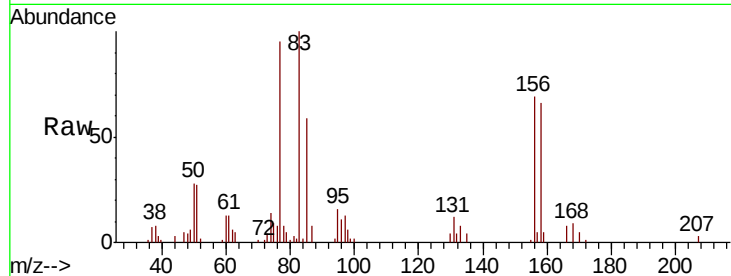
83 100

131 11.6 5.5 16.4

85 64.4 31.6 94.8

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#76

1,2,3-Trichloropropane

Concen: 4.89 ug/l m

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

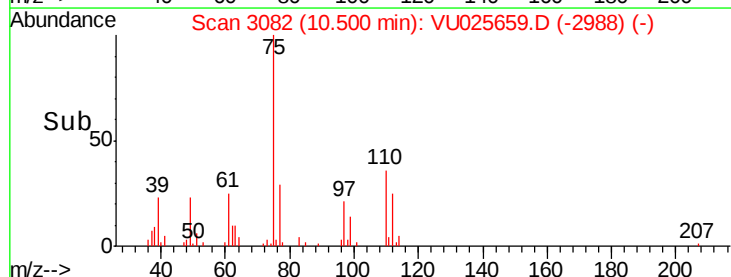
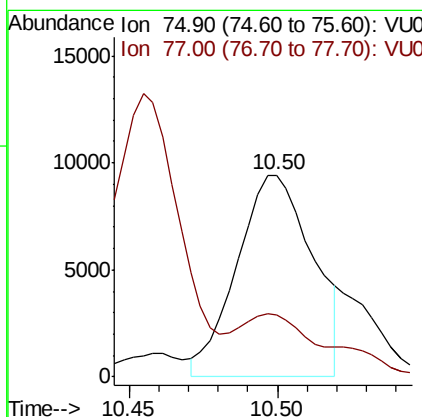
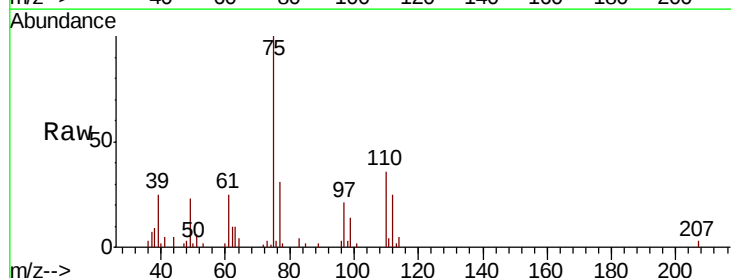
Lab File: VU025659.D

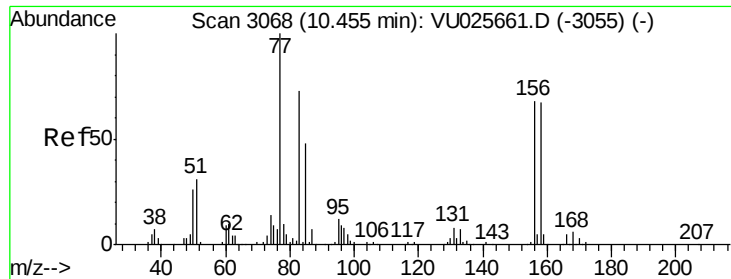
Acq: 27 Jul 2018 10:18

Tgt Ion: 75 Resp: 16771
Ion Ratio Lower Upper

75 100

77 36.6 20.4 61.3





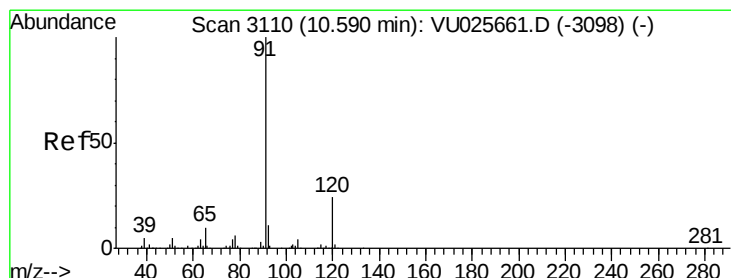
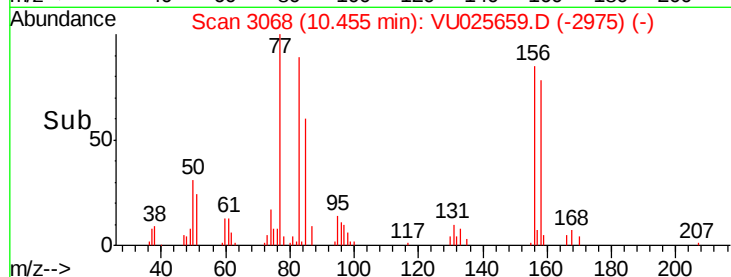
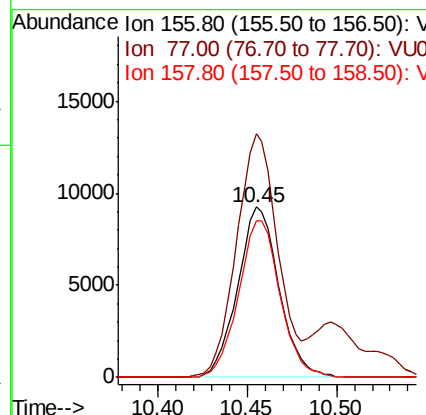
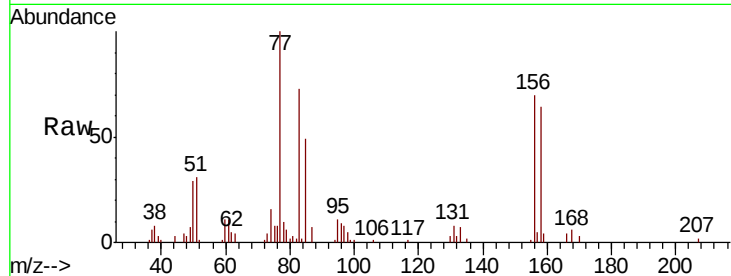
#77
Bromobenzene
Concen: 5.09 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	142.7	73.8	221.4	
158	92.2	48.0	144.0	

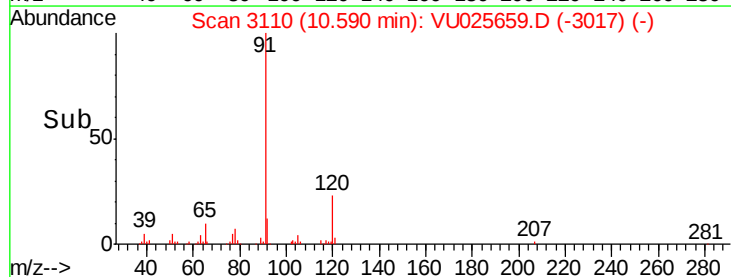
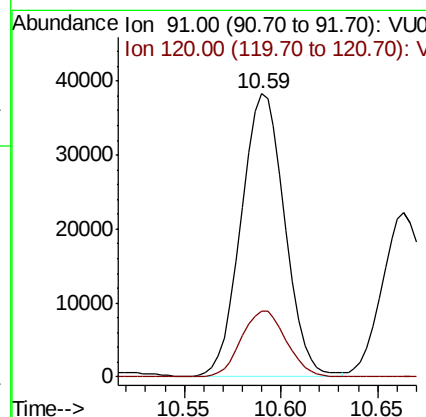
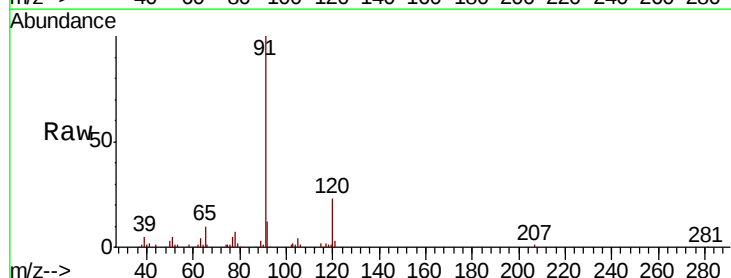
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#78
n-propylbenzene
Concen: 4.72 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.9	11.8	35.3	





#79

2-Chlorotoluene

Concen: 4.39 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 35076

Ion Ratio Lower Upper

91 100

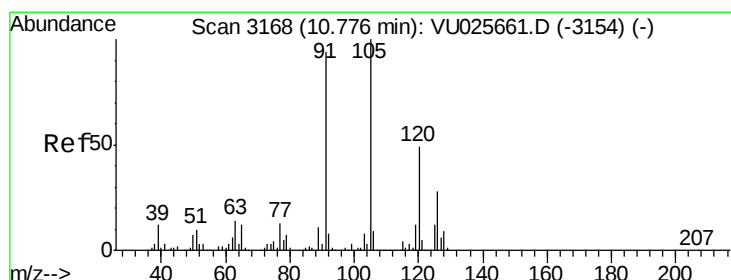
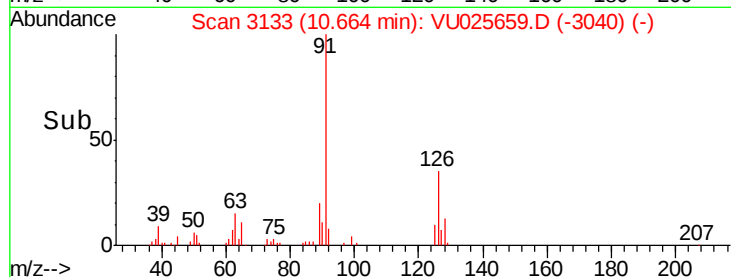
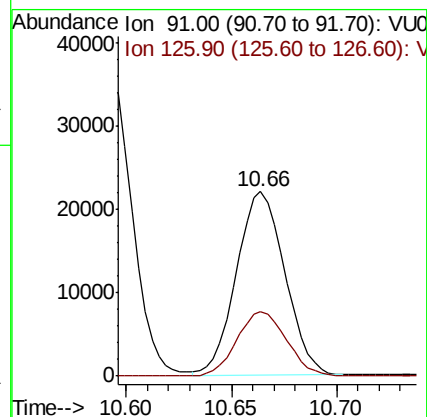
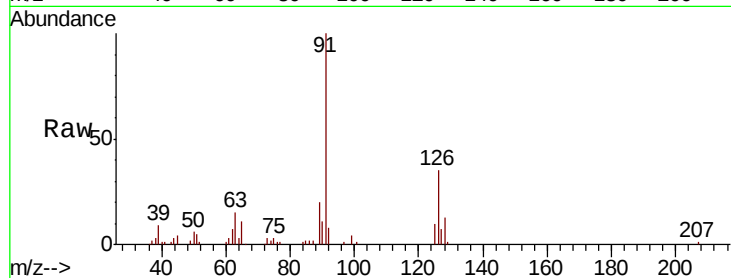
126 36.1 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 4.49 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025659.D

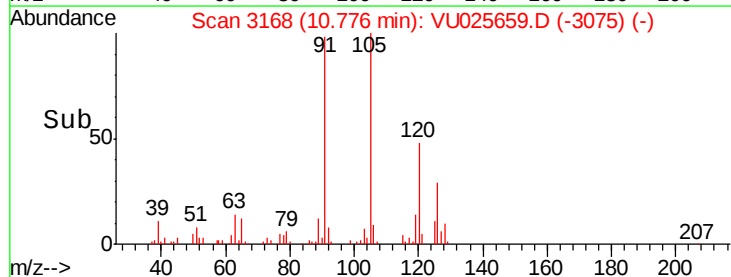
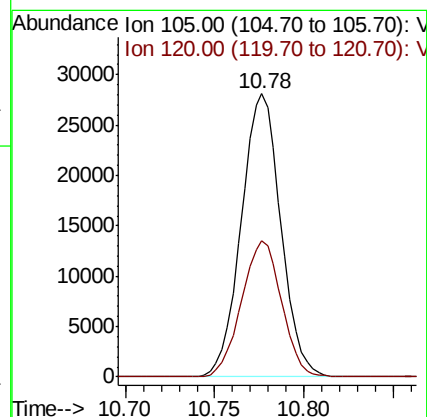
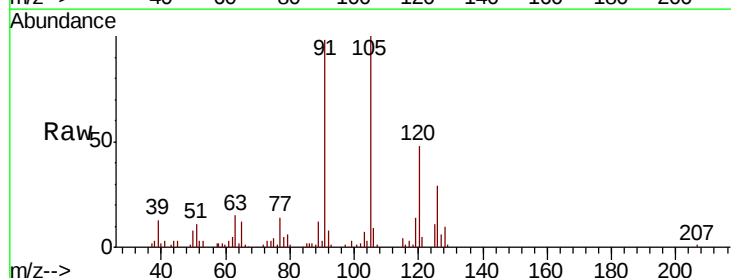
Acq: 27 Jul 2018 10:18

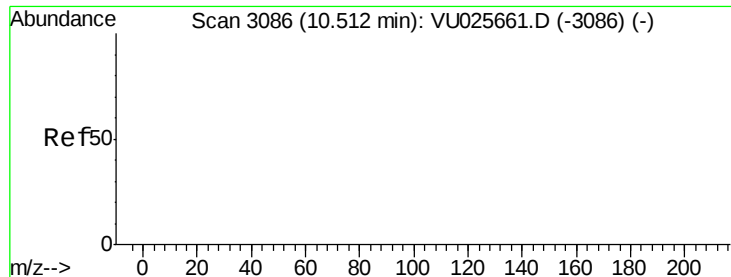
Tgt Ion: 105 Resp: 43484

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





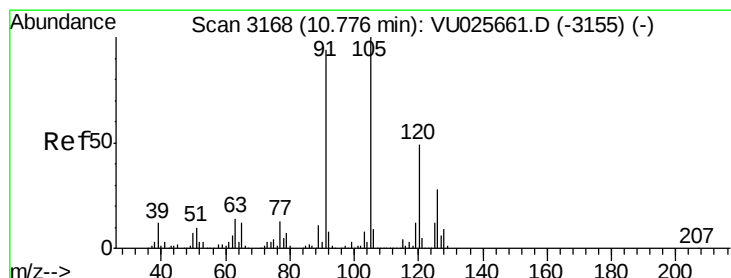
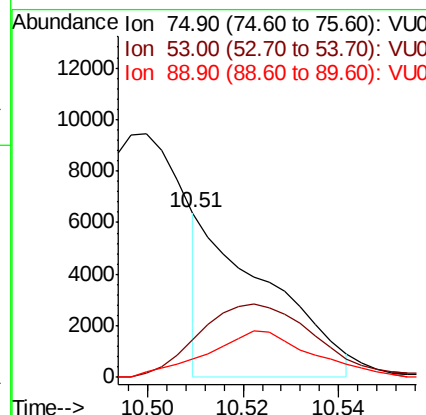
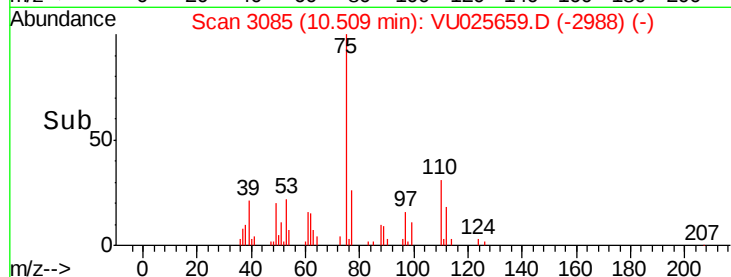
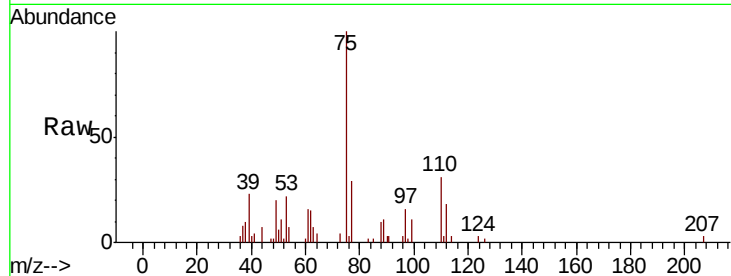
#81
trans-1,4-Dichloro-2-butene
Concen: 5.23 ug/l m
RT: 10.51 min Scan# 3085
Delta R.T. 0.01 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 6273
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

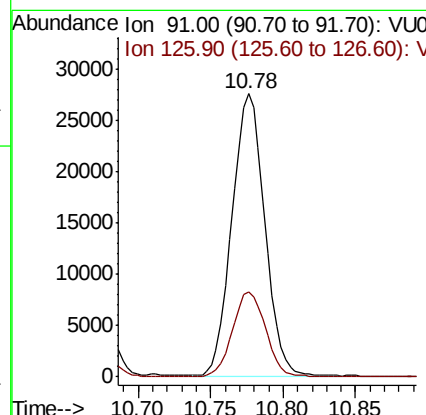
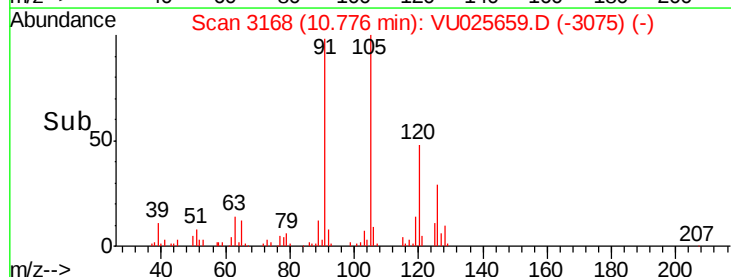
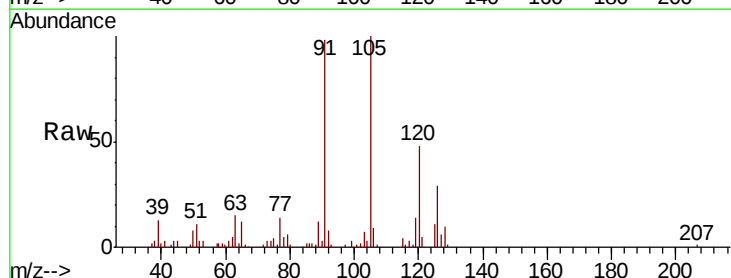
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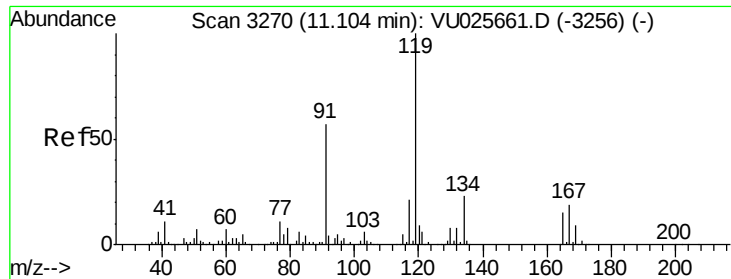
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#82
4-Chlorotoluene
Concen: 4.75 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Tgt Ion: 91 Resp: 42995
Ion Ratio Lower Upper
91 100
126 30.5 15.3 45.9





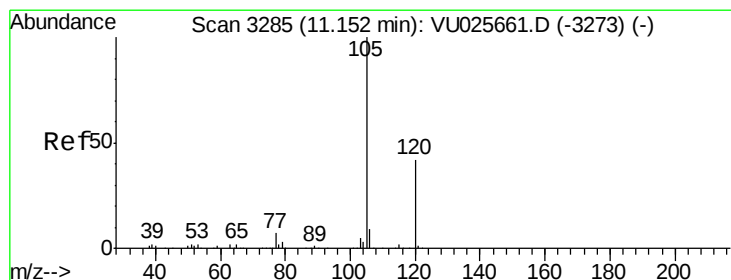
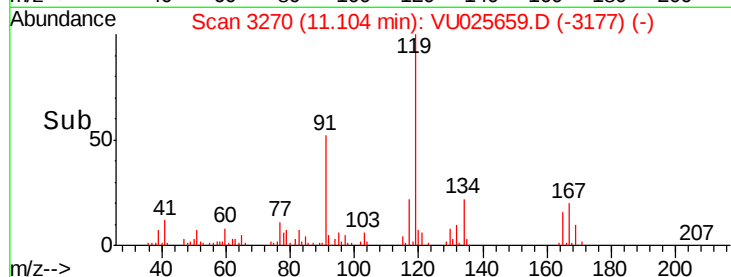
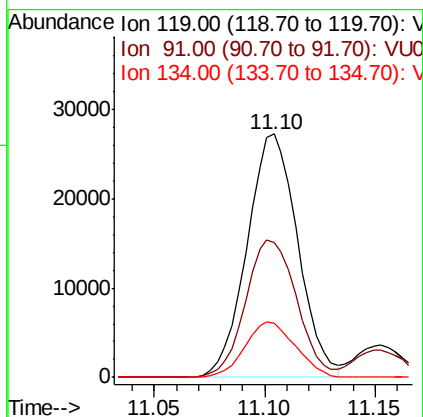
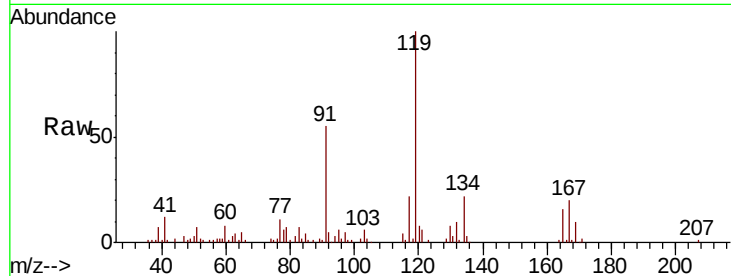
#83
 tert-Butylbenzene
 Concen: 4.45 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025659.D
 Acq: 27 Jul 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.6	29.7	89.1
134	22.7	11.5	34.5

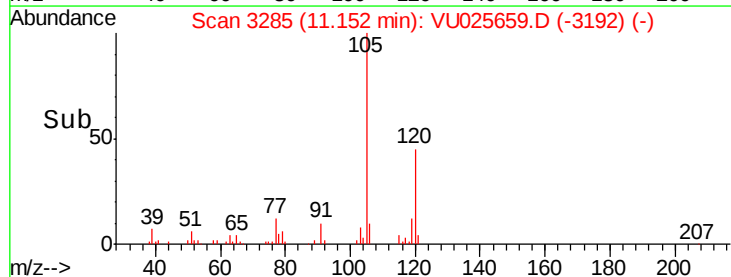
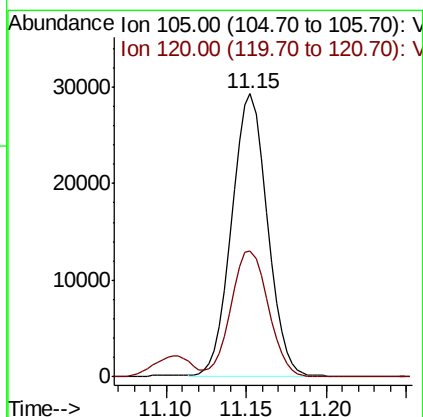
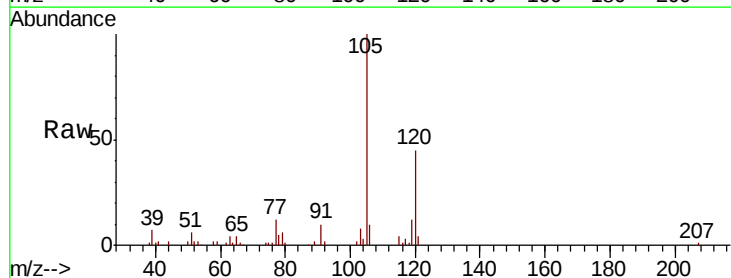
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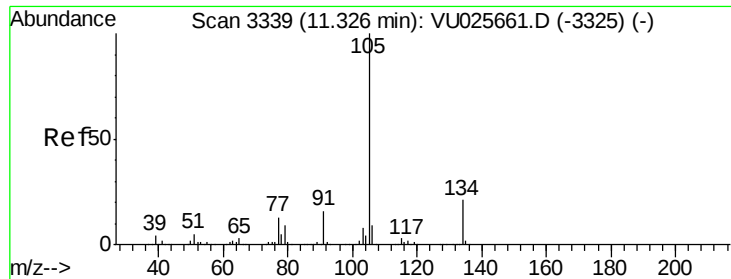
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.49 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025659.D
 Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.3	66.8





#85

sec-Butylbenzene

Concen: 4.61 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 53160

Ion Ratio Lower Upper

105 100

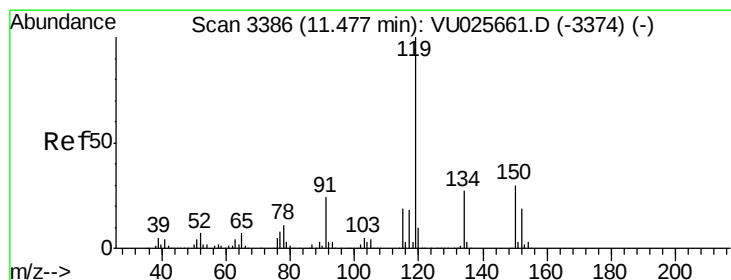
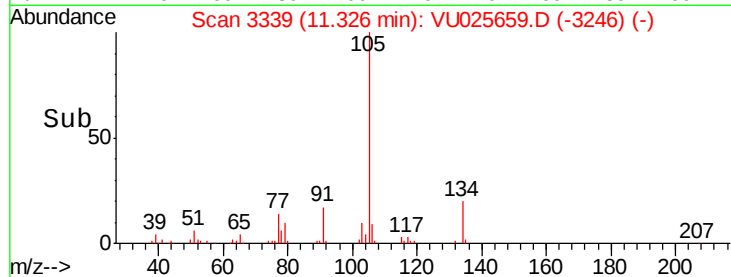
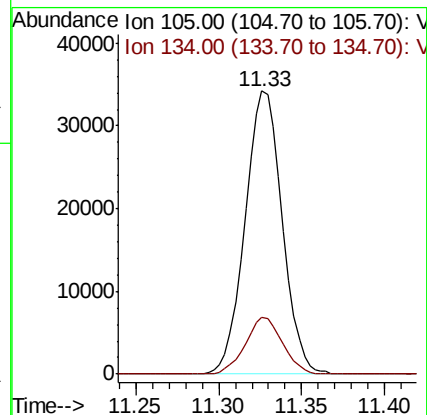
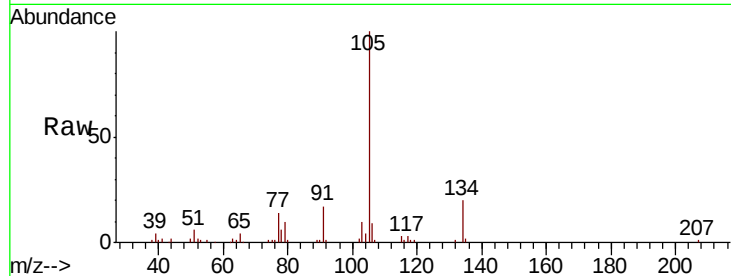
134 20.1 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 4.70 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

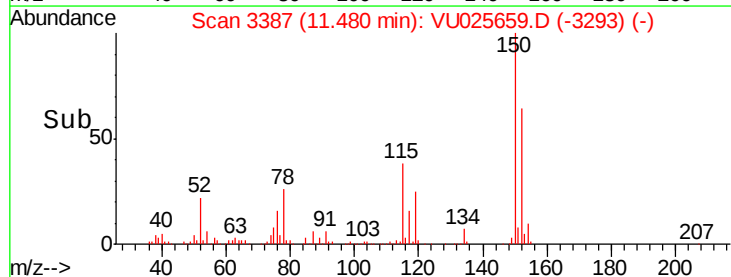
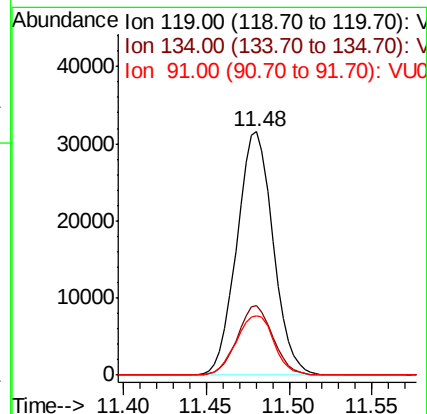
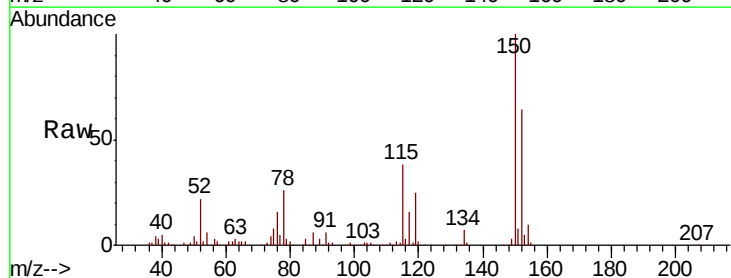
Tgt Ion:119 Resp: 48010

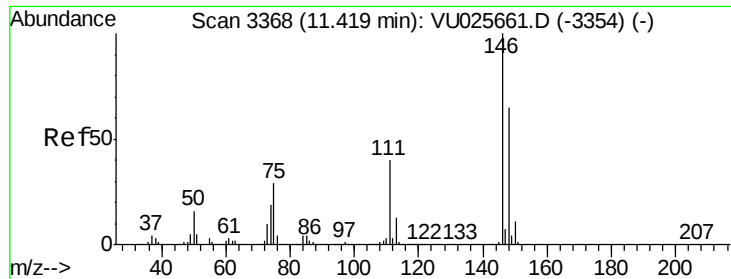
Ion Ratio Lower Upper

119 100

134 27.9 13.2 39.5

91 25.7 12.0 36.1





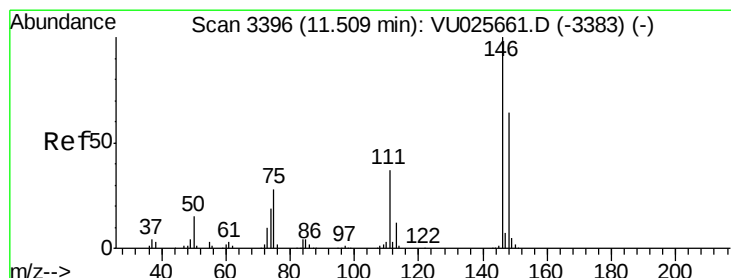
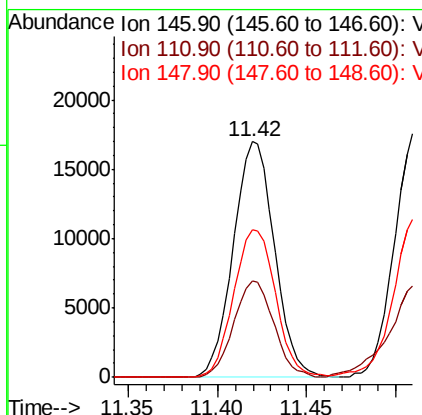
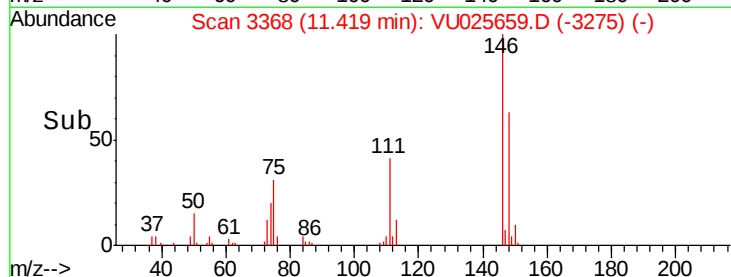
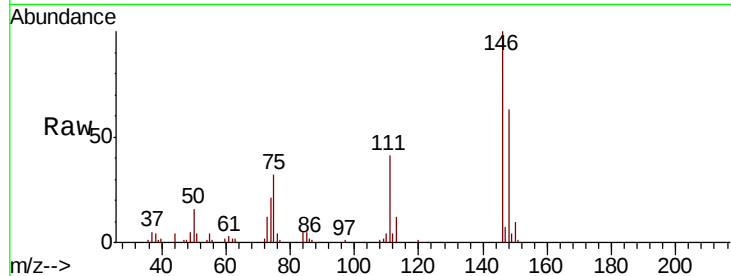
#87
 1,3-Dichlorobenzene
 Concen: 5.07 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025659.D
 Acq: 27 Jul 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	63.8	32.1	96.3

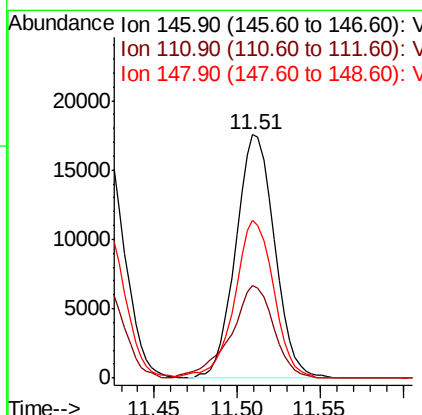
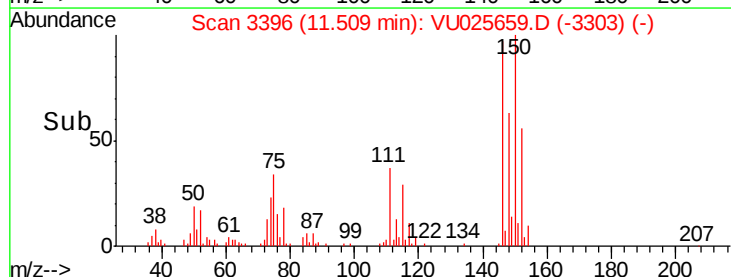
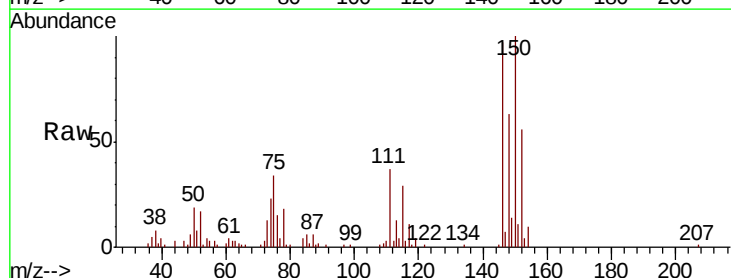
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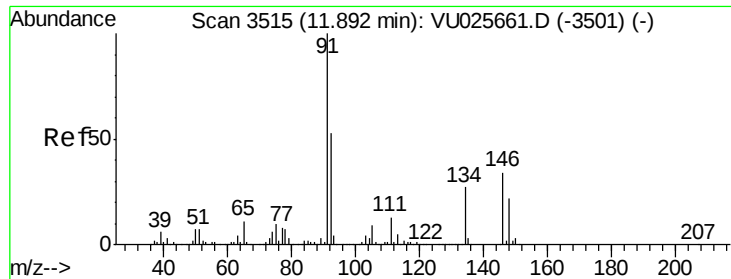
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#88
 1,4-Dichlorobenzene
 Concen: 5.18 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025659.D
 Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	19.4	58.1
148	65.2	31.7	95.1





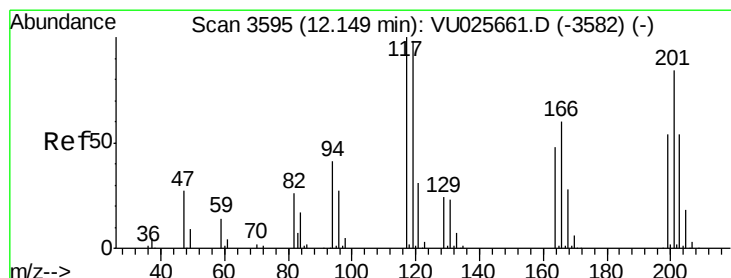
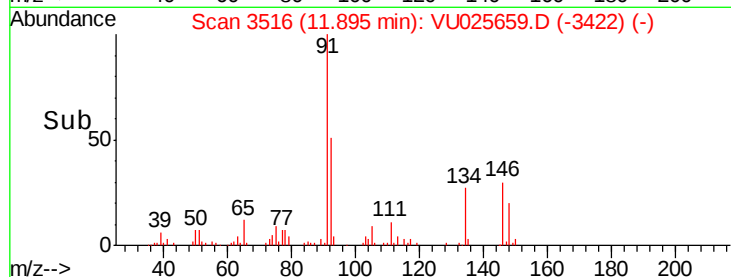
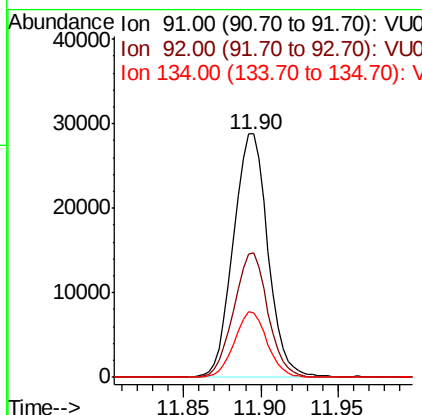
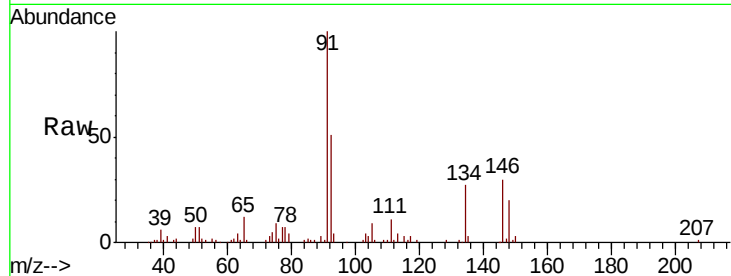
#89
n-Butylbenzene
Concen: 5.32 ug/l
RT: 11.90 min Scan# 3516
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	26.5	79.5
134	25.3	13.6	40.7

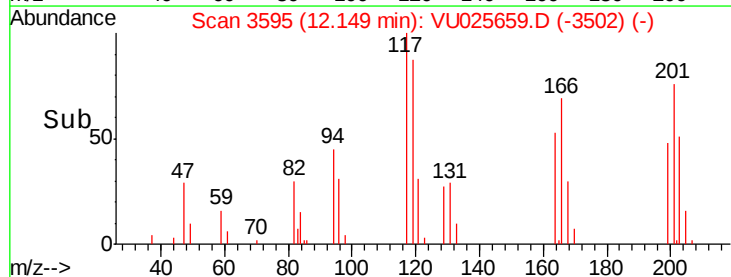
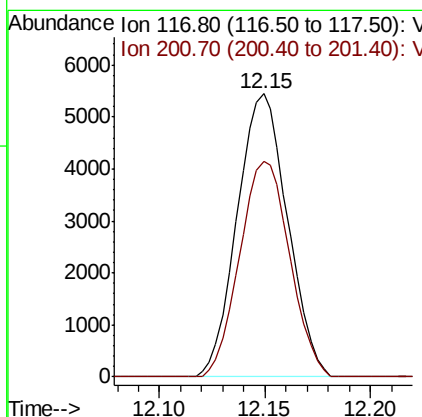
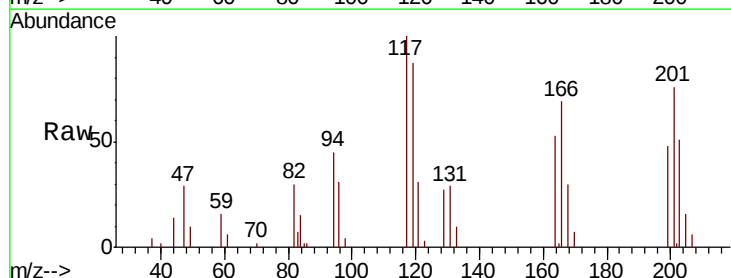
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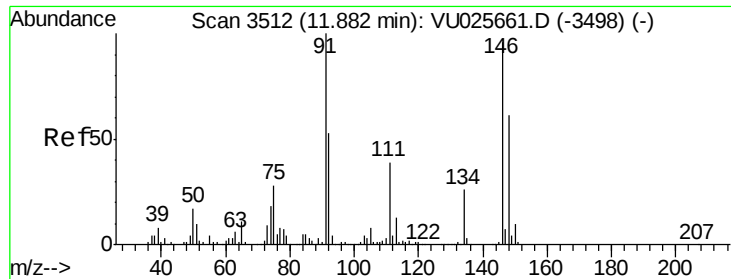
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#90
Hexachloroethane
Concen: 5.22 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025659.D
Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.7	42.5	127.6





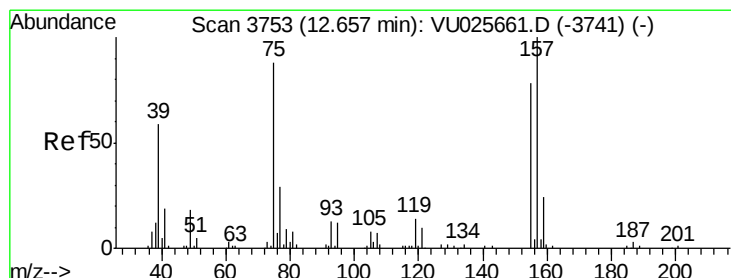
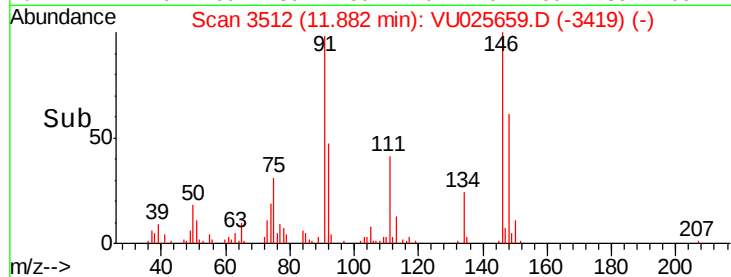
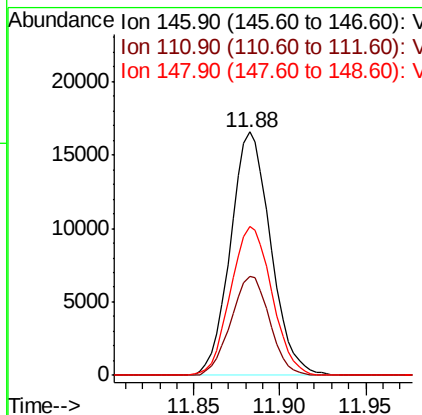
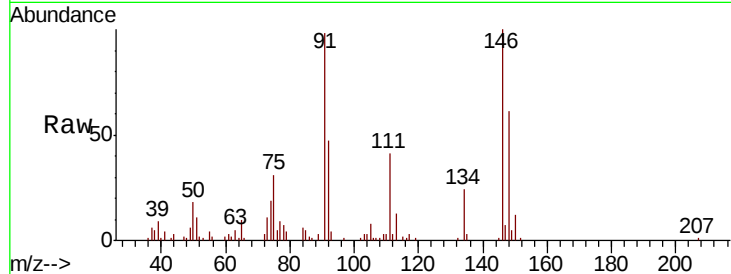
#91
 1,2-Dichlorobenzene
 Concen: 4.96 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025659.D
 Acq: 27 Jul 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.6	61.8
148	62.9	31.5	94.5

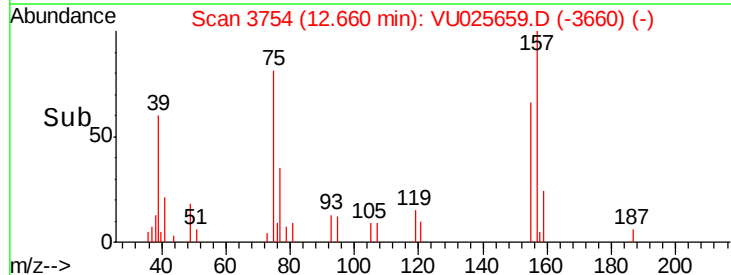
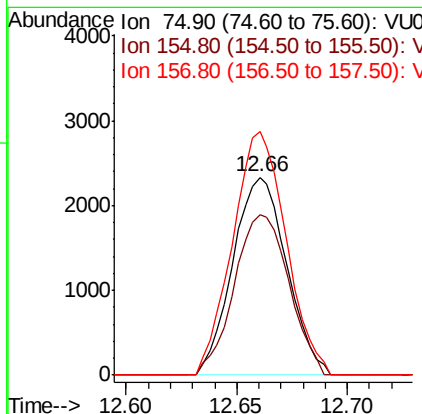
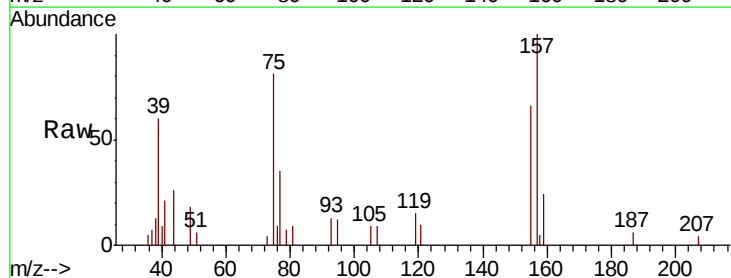
Manual Integrations
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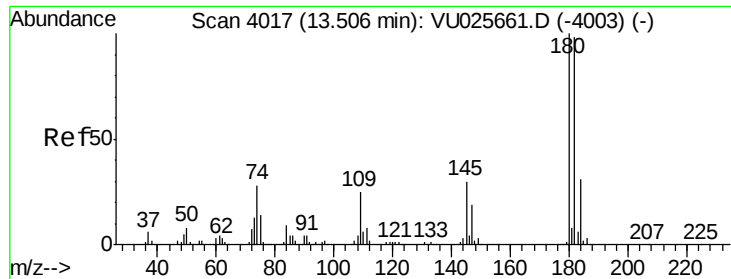
MMDadoda
 7/31/2018 3:47:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.33 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025659.D
 Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	44.5	133.3
157	122.5	57.0	170.8





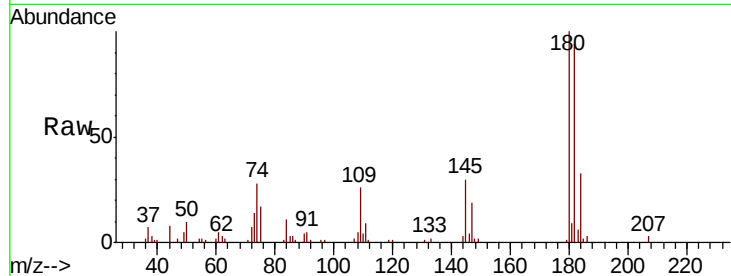
#93
 1,2,4-Trichlorobenzene
 Concen: 4.71 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025659.D
 Acq: 27 Jul 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

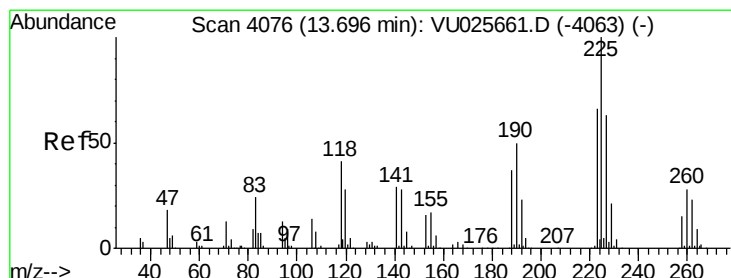
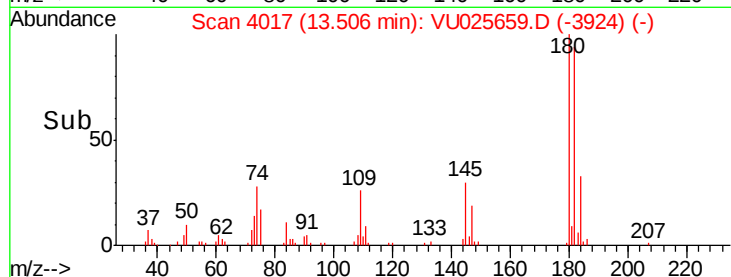
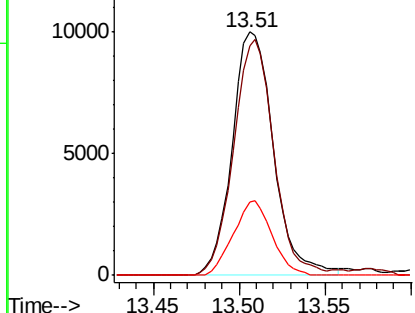
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.9
145	28.5	14.9	44.7

Manual Integrations
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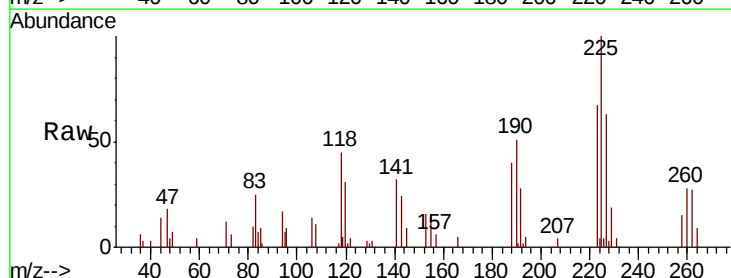


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

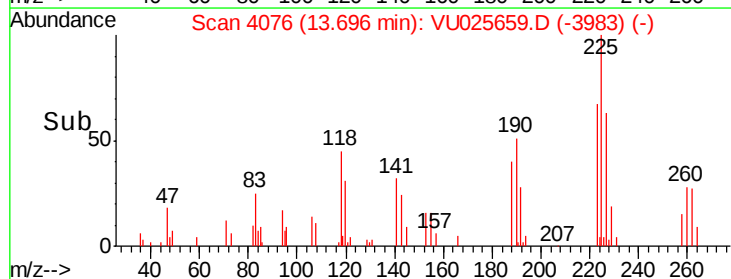
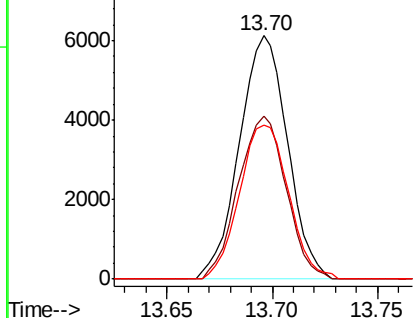


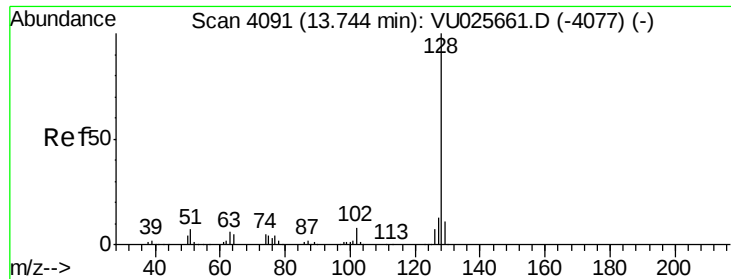
#94
 Hexachlorobutadiene
 Concen: 5.00 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025659.D
 Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.5	31.9	95.7
227	64.5	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.48 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Instrument :

MSVOA_U

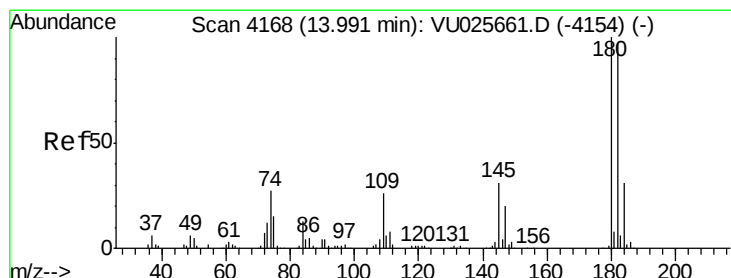
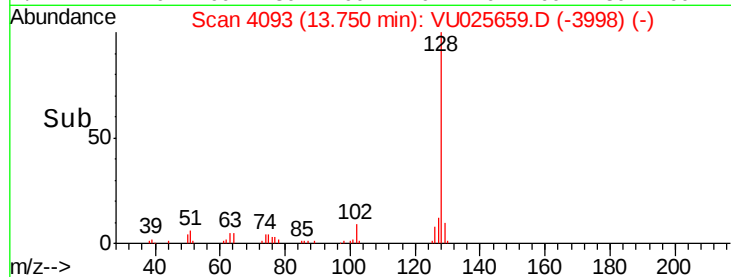
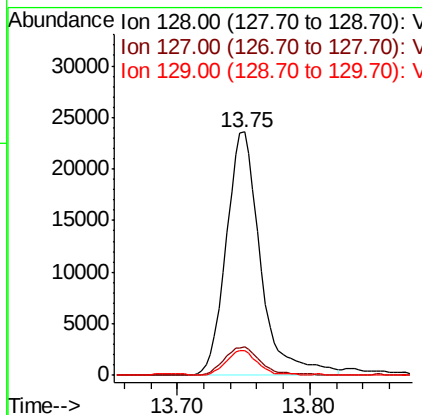
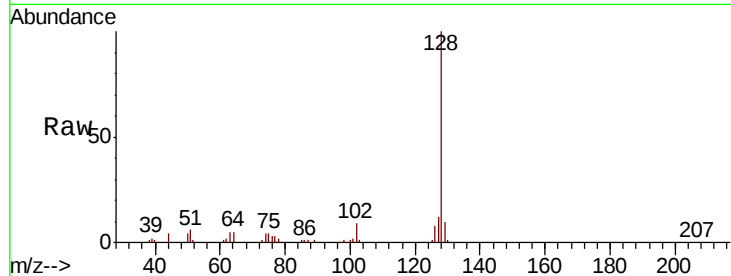
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.5	15.7
129	9.1	8.3	12.5

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 4.30 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025659.D

Acq: 27 Jul 2018 10:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.3
145	31.1	15.6	46.8

