

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025658.D
 Acq On : 27 Jul 2018 09:52
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:47:41 PM

Quant Time: Jul 27 12:57:58 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	181867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	267220	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	256694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	149420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	2198	1.17	ug/l	100
3) Chloromethane	1.33	50	2502	1.17	ug/l	92
4) Vinyl Chloride	1.41	62	2406	1.16	ug/l	98
5) Bromomethane	1.63	94	1265	0.84	ug/l #	63
6) Chloroethane	1.70	64	1476	1.02	ug/l	99
7) Trichlorofluoromethane	1.89	101	3210	0.99	ug/l #	77
8) Diethyl Ether	2.10	74	1362	1.12	ug/l	56
9) 1,1,2-Trichlorotrifluoroet	2.29	101	1890	0.94	ug/l	89
12) 1,1-Dichloroethene	2.29	96	2050	1.11	ug/l	95
14) Allyl chloride	2.60	41	3503	1.05	ug/l	96
15) Acrylonitrile	2.94	53	5706	4.50	ug/l	97
16) Acetone	2.32	43	7882	5.17	ug/l	100
17) Carbon Disulfide	2.48	76	6684	1.17	ug/l	96
18) Methyl Acetate	2.62	43	2877	0.99	ug/l	94
19) Methyl tert-butyl Ether	3.00	73	6850	0.98	ug/l	93
20) Methylene Chloride	2.70	84	2694	1.07	ug/l #	83
21) trans-1,2-Dichloroethene	2.99	96	2261	1.07	ug/l	97
22) Diisopropyl ether	3.57	45	6467	0.95	ug/l	97
23) Vinyl Acetate	3.53	43	27974	4.67	ug/l	98
24) 1,1-Dichloroethane	3.45	63	3999	1.04	ug/l #	95
25) 2-Butanone	4.27	43	8834	4.51	ug/l	91
26) 2,2-Dichloropropane	4.23	77	3894	1.05	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	2562	1.05	ug/l	51
28) Bromochloromethane	4.55	49	1952	1.05	ug/l #	99
29) Tetrahydrofuran	4.64	42	5215	4.44	ug/l	94
30) Chloroform	4.68	83	4496	1.10	ug/l	97
31) Cyclohexane	5.00	56	7161	1.67	ug/l #	61
32) 1,1,1-Trichloroethane	4.92	97	3844	1.04	ug/l #	49
36) 1,1-Dichloropropene	5.14	75	2838	0.96	ug/l #	81
37) Ethyl Acetate	4.39	43	2558	0.77	ug/l #	76
38) Carbon Tetrachloride	5.14	117	3386	1.06	ug/l	99
39) Methylcyclohexane	6.43	83	3299	0.89	ug/l	94
40) Benzene	5.39	78	9280	1.08	ug/l	92
41) Methacrylonitrile	4.55	41	1601	0.87	ug/l #	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	5.41	62	3398	1.00	ug/l	91
43) Isopropyl Acetate	5.56	43	5025	0.95	ug/l #	86
44) Trichloroethene	6.19	130	2628	1.07	ug/l	94
45) 1,2-Dichloropropane	6.43	63	2351	1.05	ug/l	94
46) Dibromomethane	6.57	93	1689	1.04	ug/l	90
47) Bromodichloromethane	6.76	83	3037	1.00	ug/l #	82
48) Methyl methacrylate	6.63	41	2097	0.79	ug/l	96
49) 1,4-Dioxane	6.62	88	1222	19.20	ug/l #	92
51) 4-Methyl-2-Pentanone	7.46	43	13917	4.04	ug/l	100
52) Toluene	7.64	92	5204	0.96	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	3310	0.99	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	3265	0.92	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	2108	0.93	ug/l #	86
56) Ethyl methacrylate	8.02	69	2722	0.77	ug/l	93
57) 1,3-Dichloropropane	8.25	76	3814	1.01	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	4898	3.92	ug/l	97
59) 2-Hexanone	8.36	43	10182	3.64	ug/l	98
60) Dibromochloromethane	8.48	129	2661	1.09	ug/l	83
61) 1,2-Dibromoethane	8.59	107	2398	0.99	ug/l	96
64) Tetrachloroethene	8.23	164	2323	0.99	ug/l	93
65) Chlorobenzene	9.12	112	6588	1.03	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.21	131	2005	0.87	ug/l #	59
67) Ethyl Benzene	9.25	91	10443	0.96	ug/l	97
68) m/p-Xylenes	9.38	106	7106	1.68	ug/l	93
69) o-Xylene	9.78	106	3719	0.88	ug/l	85
70) Styrene	9.80	104	5438	0.81	ug/l	97
71) Bromoform	9.96	173	1764	0.89	ug/l #	99
73) Isopropylbenzene	10.17	105	9768	0.86	ug/l	98
74) N-amyl acetate	10.02	43	3577	0.72	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	10.46	83	3466	0.93	ug/l	91
76) 1,2,3-Trichloropropane	10.50	75	3237m	0.95	ug/l	
77) Bromobenzene	10.46	156	2897	0.99	ug/l	91
78) n-propylbenzene	10.59	91	11192	0.88	ug/l	99
79) 2-Chlorotoluene	10.66	91	6683	0.84	ug/l	96
80) 1,3,5-Trimethylbenzene	10.78	105	7767	0.81	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	1142m	0.96	ug/l	
82) 4-Chlorotoluene	10.78	91	7056	0.79	ug/l	94
83) tert-Butylbenzene	11.10	119	8135	0.84	ug/l	94
84) 1,2,4-Trimethylbenzene	11.15	105	7362	0.75	ug/l	96
85) sec-Butylbenzene	11.33	105	9360	0.82	ug/l	98
86) p-Isopropyltoluene	11.48	119	8011	0.79	ug/l	90
87) 1,3-Dichlorobenzene	11.42	146	5152	0.97	ug/l	96
88) 1,4-Dichlorobenzene	11.51	146	5843	1.07	ug/l	91
89) n-Butylbenzene	11.90	91	7587	0.91	ug/l	98
90) Hexachloroethane	12.15	117	1495	0.87	ug/l	94
91) 1,2-Dichlorobenzene	11.89	146	4849	0.90	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.67	75	795m	0.88	ug/l	
93) 1,2,4-Trichlorobenzene	13.51	180	2819	0.80	ug/l	98
94) Hexachlorobutadiene	13.70	225	1834	0.95	ug/l	94
95) Naphthalene	13.75	128	6449	0.53	ug/l #	96

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ALS Vial : 2 Sample Multiplier: 1

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MSVOA_U
ClientSampleId :
VSTDICC001

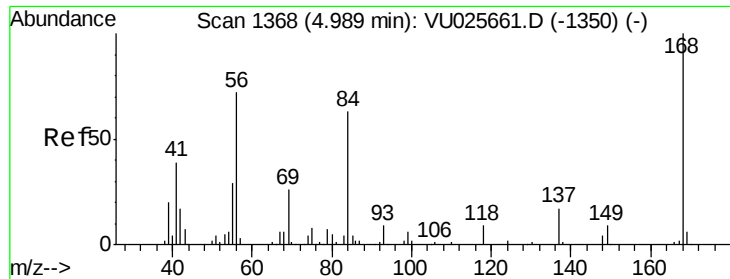
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.00	180	2742	0.72	ug/l	87

(#) = 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: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 181867

Ion Ratio Lower Upper

168 100

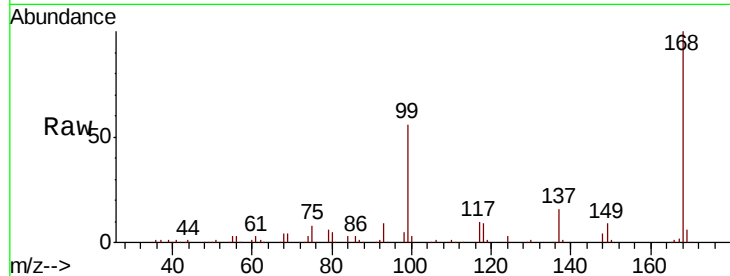
99 55.5 42.8 64.2

Manual Integrations

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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

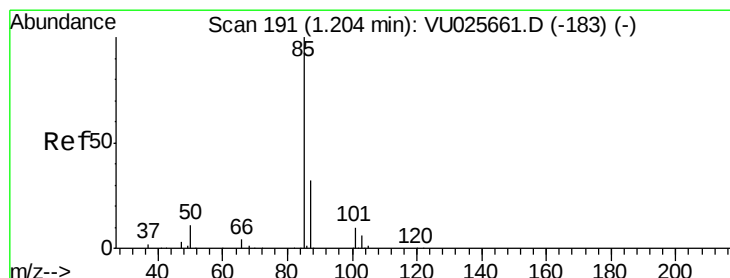
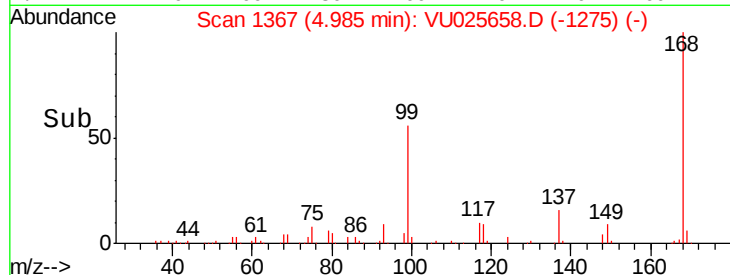
0

Time-->

4.90

5.00

5.10



#2

Dichlorodifluoromethane

Concen: 1.17 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025658.D

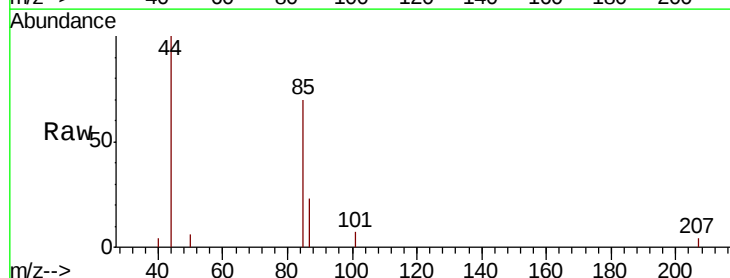
Acq: 27 Jul 2018 09:52

Tgt Ion: 85 Resp: 2198

Ion Ratio Lower Upper

85 100

87 32.8 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) (-)

1.21

2500

2000

1500

1000

500

0

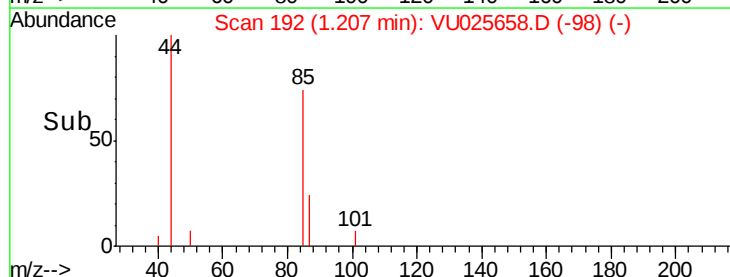
Time-->

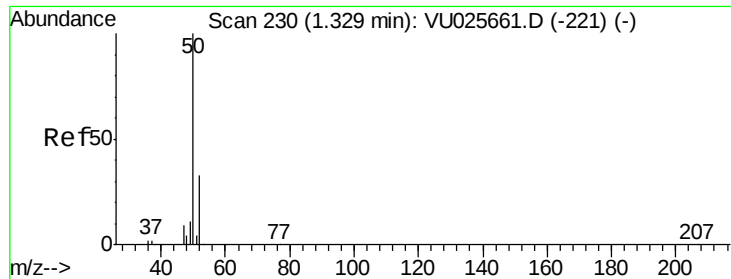
1.18

1.20

1.22

1.24





#3

Chloromethane

Concen: 1.17 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 2502

Ion Ratio Lower Upper

50 100

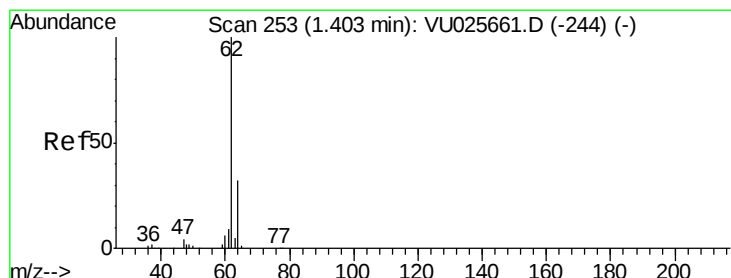
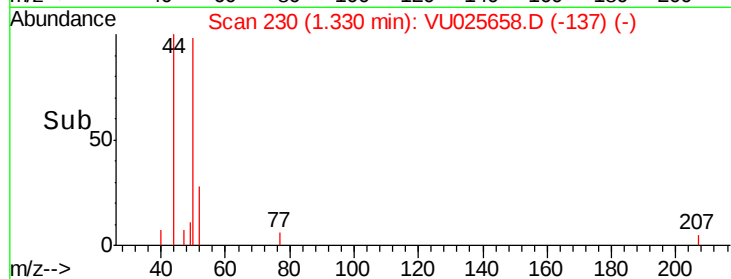
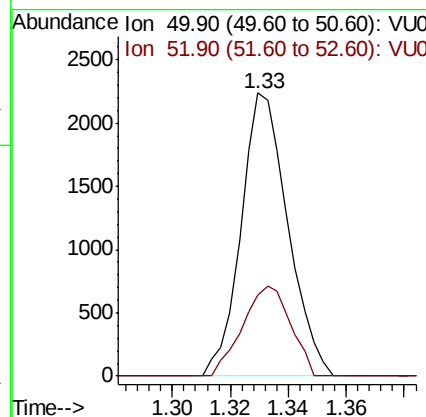
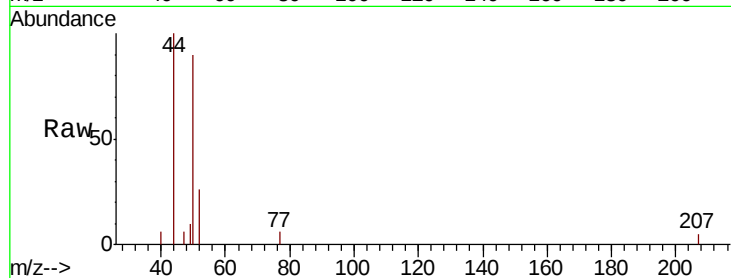
52 28.6 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.16 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025658.D

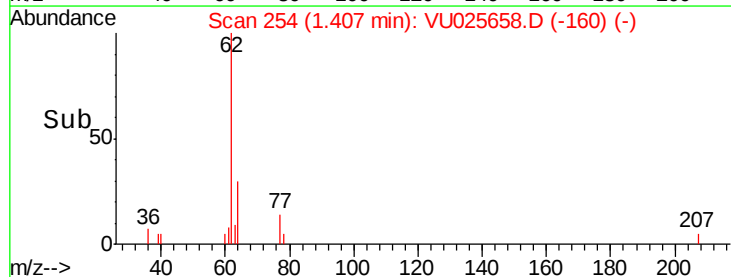
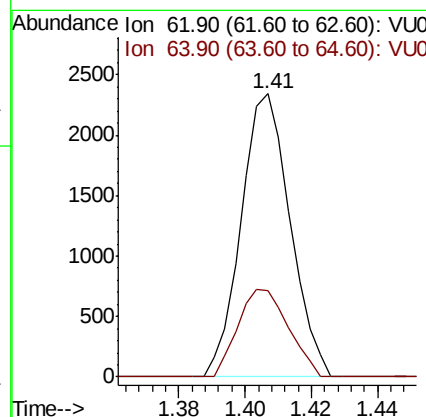
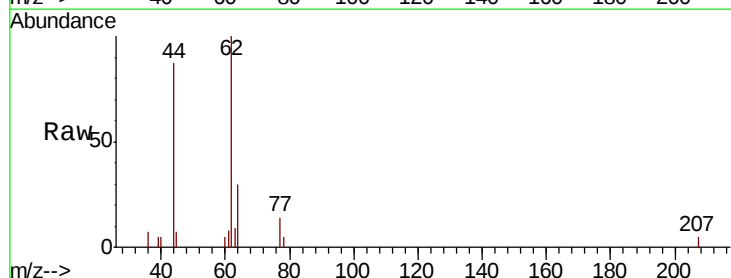
Acq: 27 Jul 2018 09:52

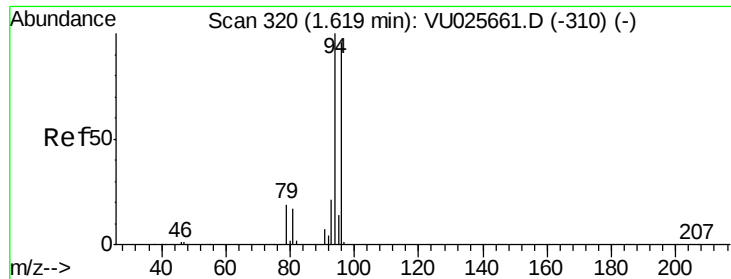
Tgt Ion: 62 Resp: 2406

Ion Ratio Lower Upper

62 100

64 30.4 25.4 38.0





#5

Bromomethane

Concen: 0.84 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 1265

Ion Ratio Lower Upper

94 100

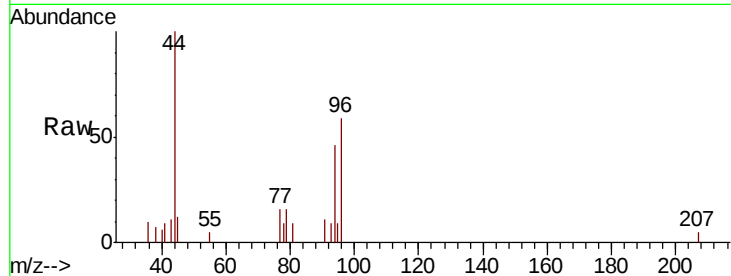
96 129.6 75.0 112.4#

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1500

1000

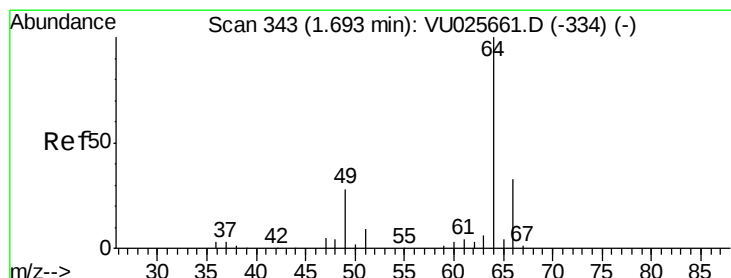
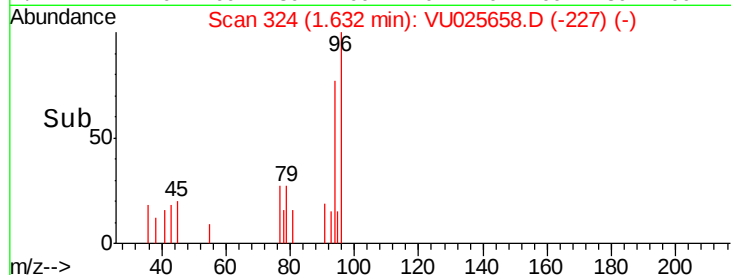
500

0

1.60 1.62 1.64 1.66

1.63

Time-->



#6

Chloroethane

Concen: 1.02 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU025658.D

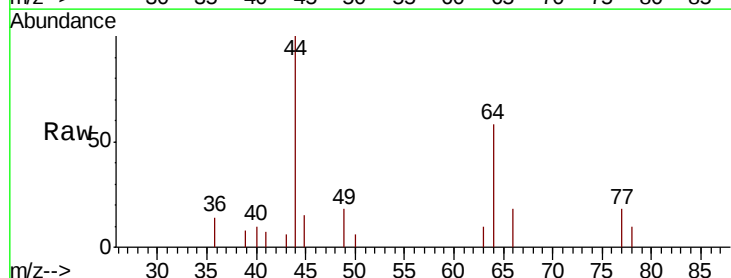
Acq: 27 Jul 2018 09:52

Tgt Ion: 64 Resp: 1476

Ion Ratio Lower Upper

64 100

66 30.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1000

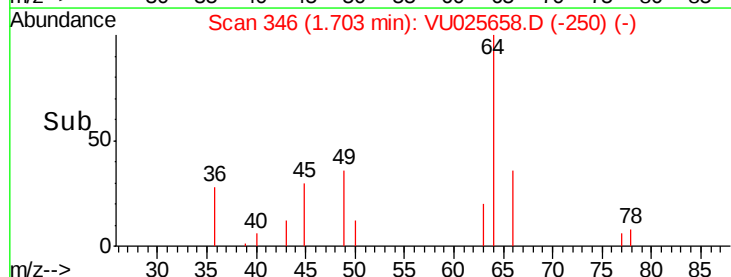
500

0

1.66 1.68 1.70 1.72 1.74

1.70

Time-->





#7

Trichlorofluoromethane

Concen: 0.99 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.01 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 3210

Ion Ratio Lower Upper

101 100

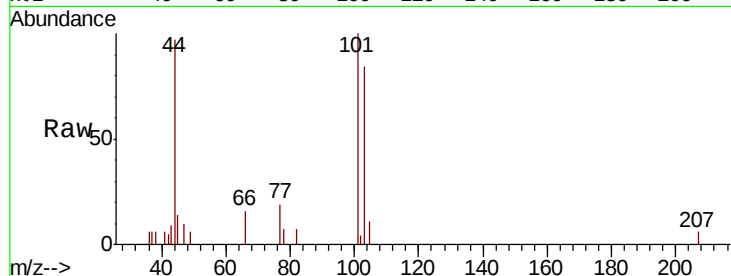
103 83.7 52.2 78.2#

Manual Integrations

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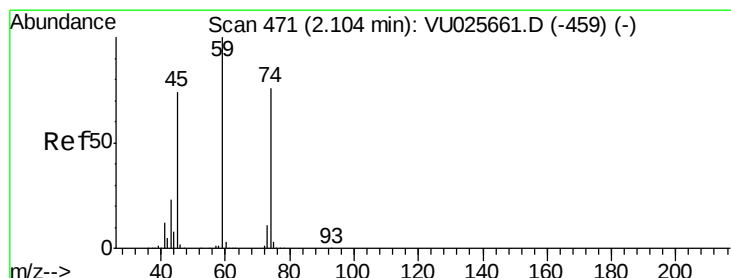
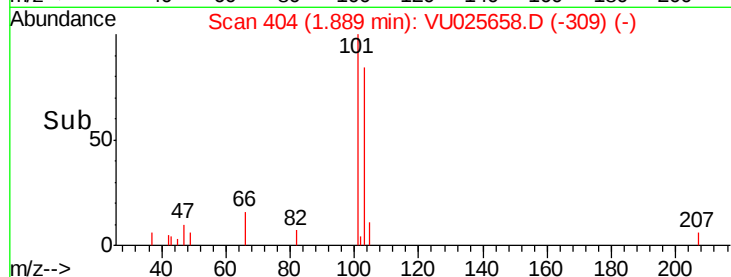
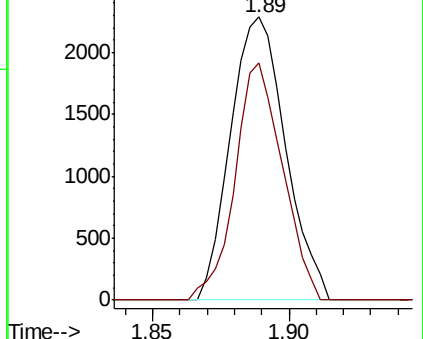
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.12 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025658.D

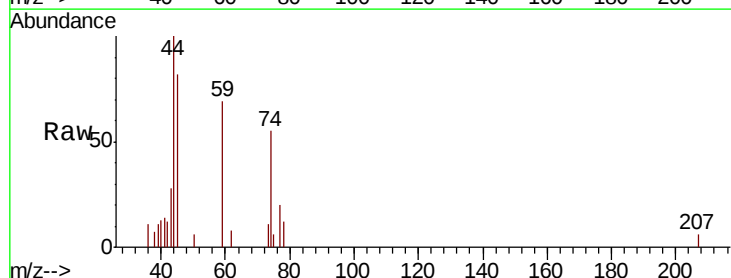
Acq: 27 Jul 2018 09:52

Tgt Ion: 74 Resp: 1362

Ion Ratio Lower Upper

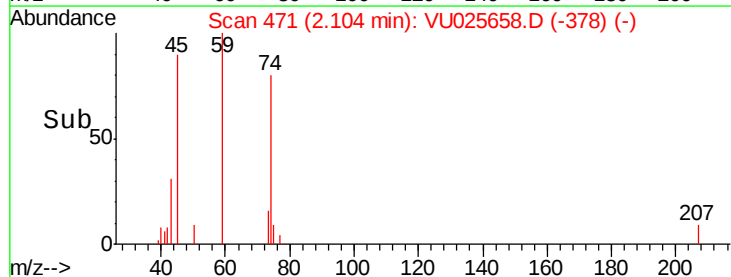
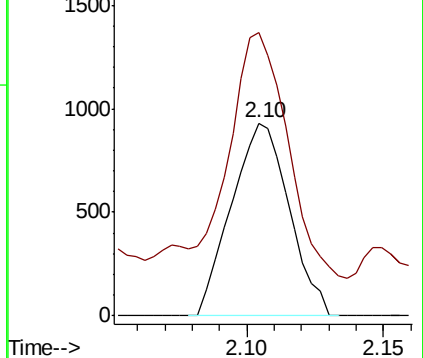
74 100

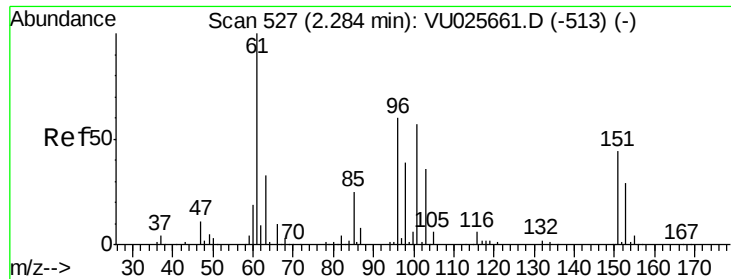
45 139.4 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.94 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.01 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

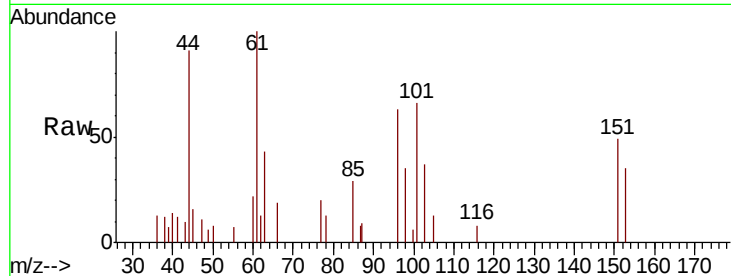
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	1890
Ion Ratio	Lower	Upper	
101	100		
85	50.1	36.0	54.0
151	93.2	65.6	98.4

Manual Integrations
APPROVED

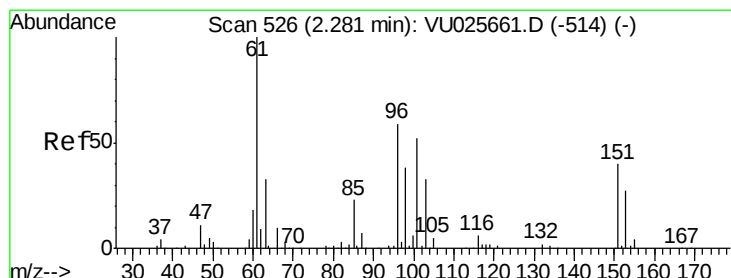
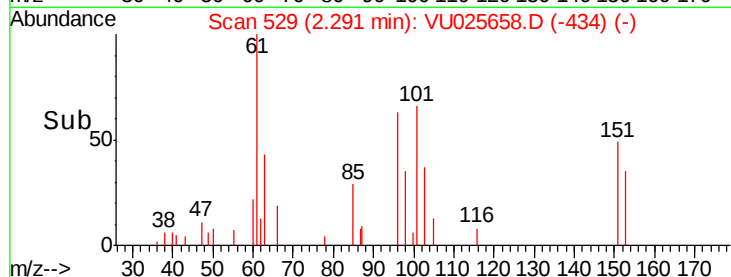
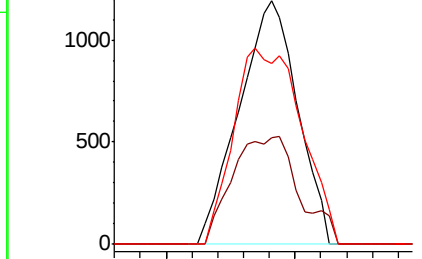
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Abundance Ion 100.90 (100.60 to 101.60): VU025658.D (-434) (-)

Ion 84.90 (84.60 to 85.60): VU025658.D (-434) (-)

Ion 150.80 (150.50 to 151.50): VU025658.D (-434) (-)



#12

1,1-Dichloroethene

Concen: 1.11 ug/l

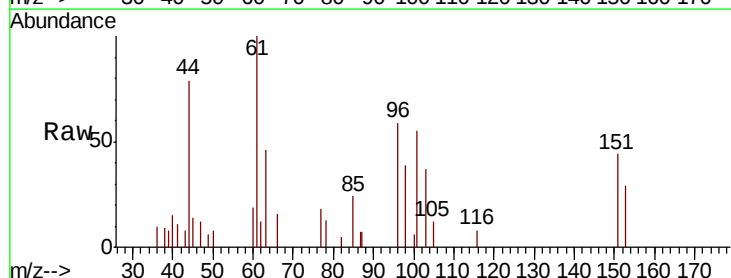
RT: 2.29 min Scan# 528

Delta R.T. 0.01 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

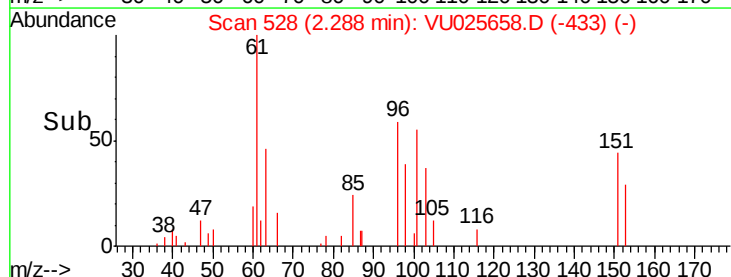
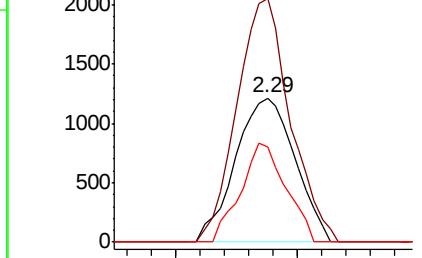
Tgt Ion:	96	Resp:	2050
Ion Ratio	Lower	Upper	
96	100		
61	168.9	140.2	210.4
98	65.7	49.3	73.9

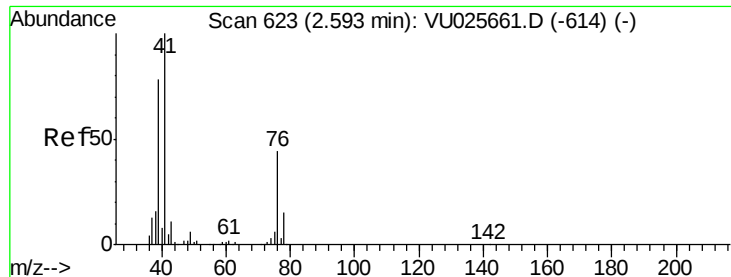


Abundance Ion 95.90 (95.60 to 96.60): VU025658.D (-433) (-)

Ion 60.90 (60.60 to 61.60): VU025658.D (-433) (-)

Ion 97.90 (97.60 to 98.60): VU025658.D (-433) (-)





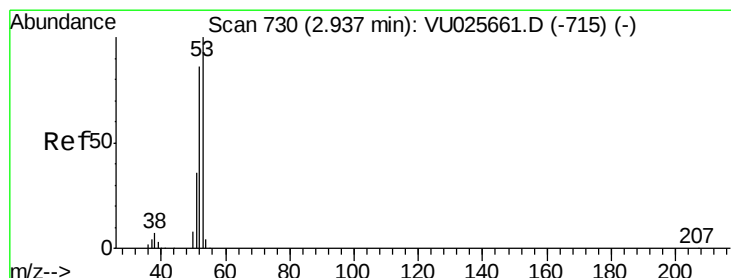
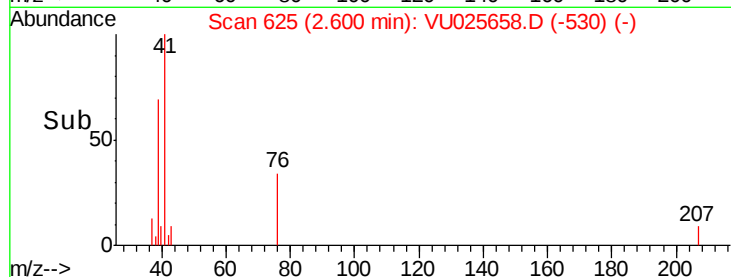
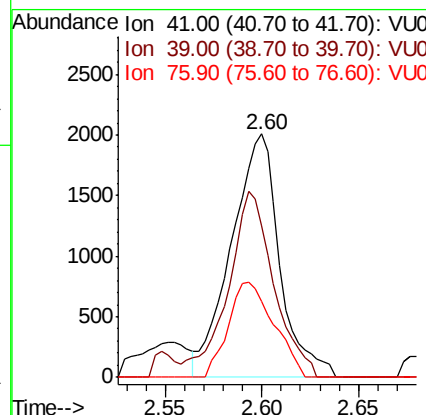
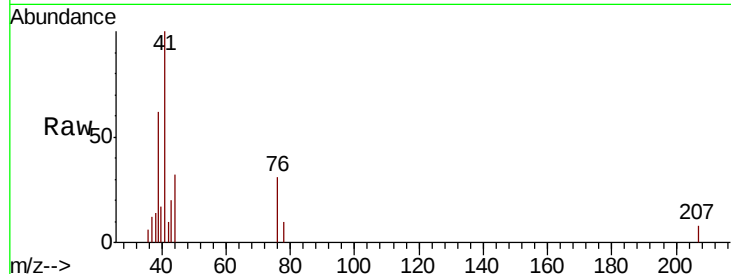
#14
Allvl chloride
Concen: 1.05 ug/l
RT: 2.60 min Scan# 625
Delta R.T. 0.01 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.8	60.6	91.0
76	36.4	30.5	45.7

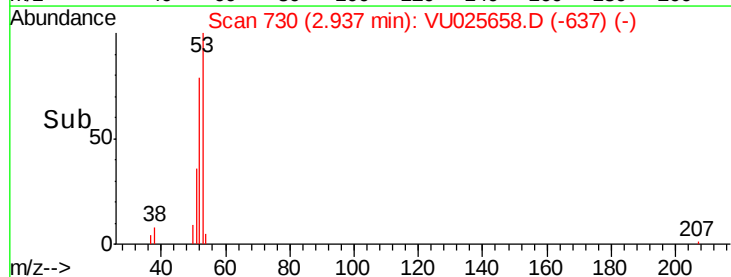
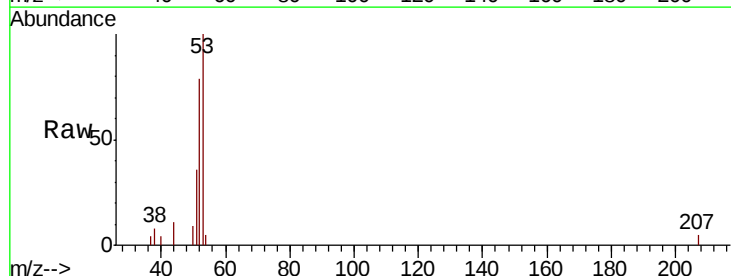
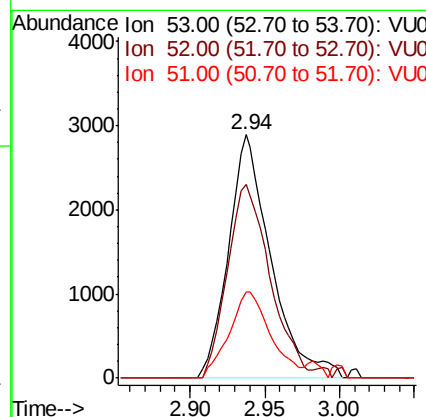
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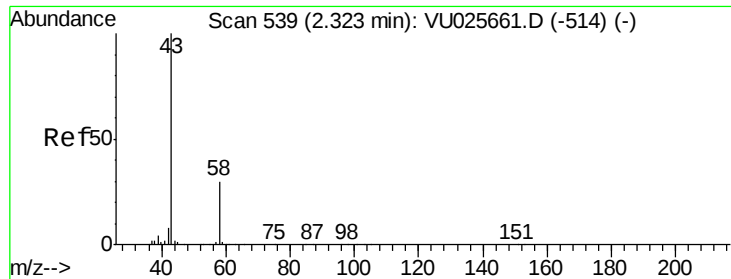
MMDadoda
7/31/2018 3:47:41 PM



#15
Acrylonitrile
Concen: 4.50 ug/l
RT: 2.94 min Scan# 730
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Tgt Ion	Ratio	Lower	Upper
53	100		
52	80.2	66.6	99.8
51	34.8	29.4	44.2





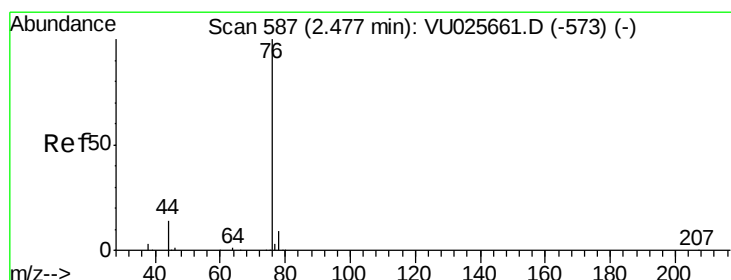
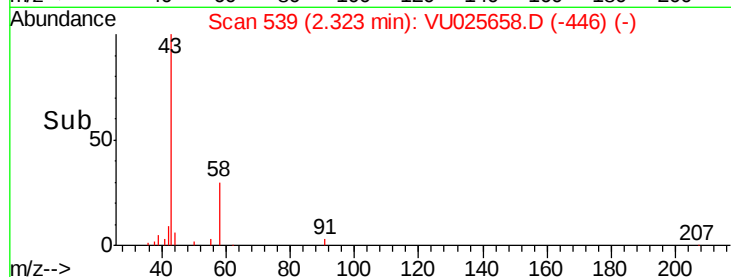
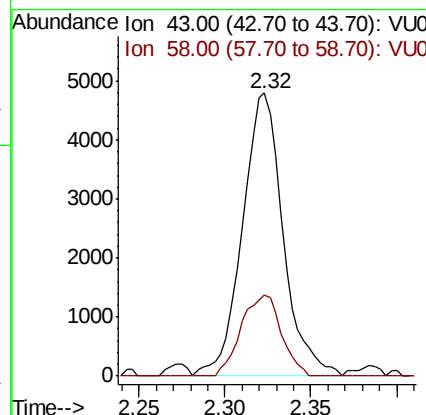
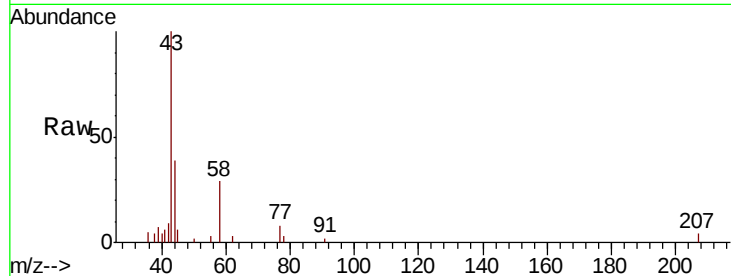
#16
Acetone
Concen: 5.17 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	7882
Ion Ratio	100	Lower	Upper
43	100	23.1	34.7
58	28.7		

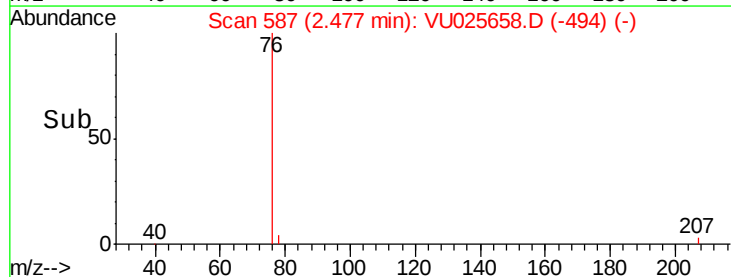
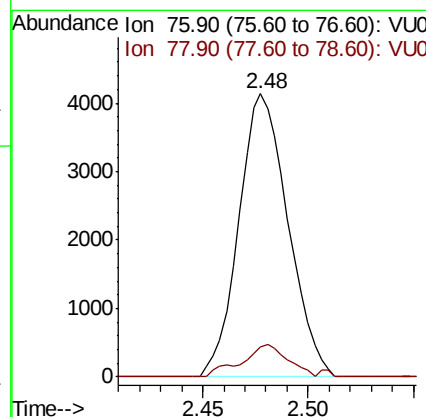
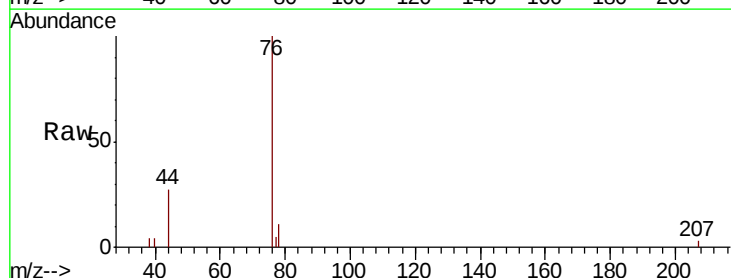
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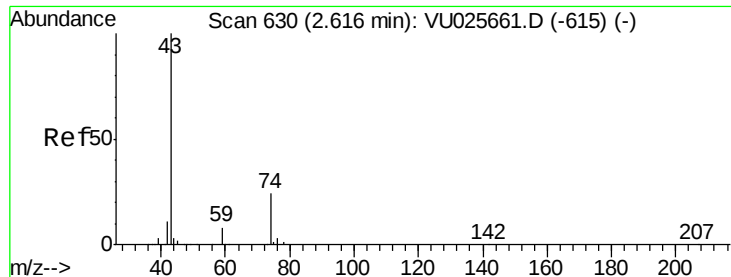
MMDadoda
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#17
Carbon Disulfide
Concen: 1.17 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Tgt Ion	76	Resp	6684
Ion Ratio	100	Lower	Upper
76	100	7.4	11.2
78	10.8		





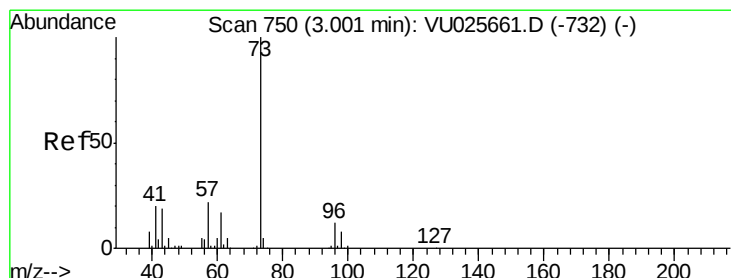
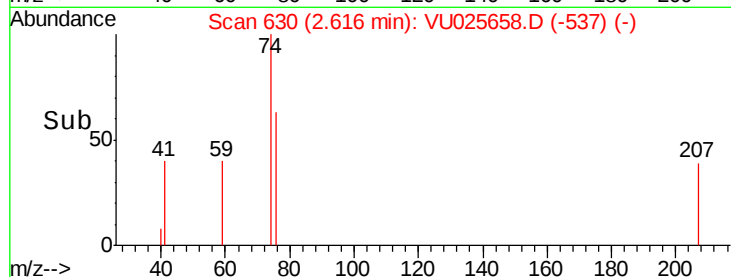
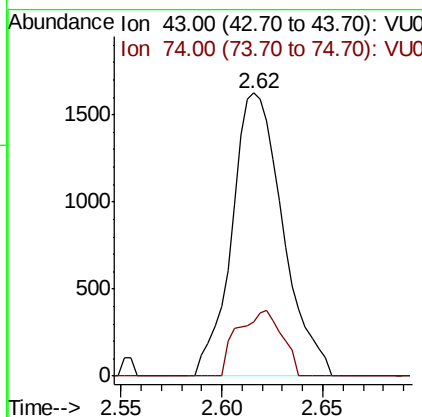
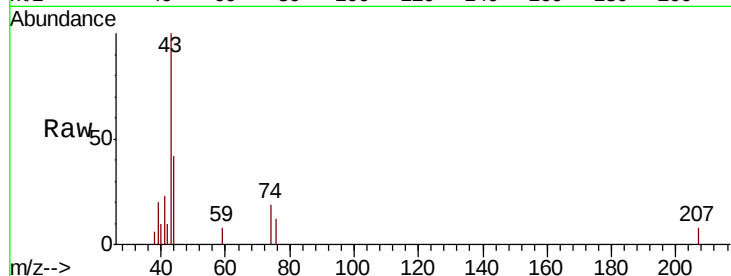
#18
Methyl Acetate
Concen: 0.99 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 2877
Ion Ratio Lower Upper
43 100
74 20.2 18.5 27.7

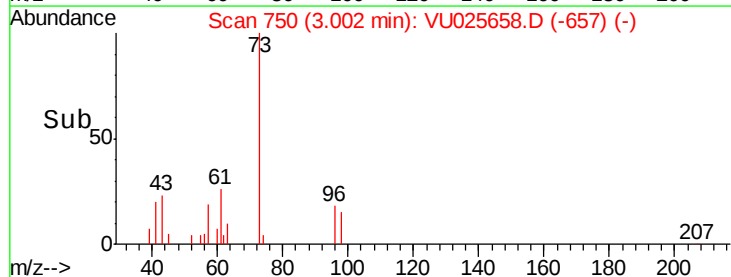
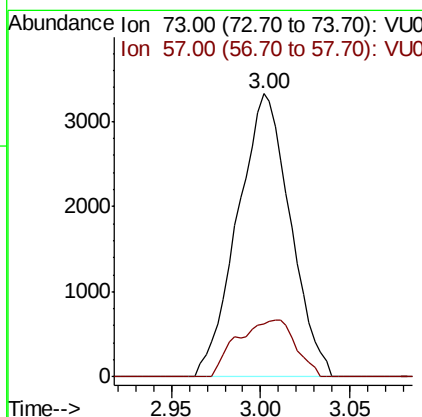
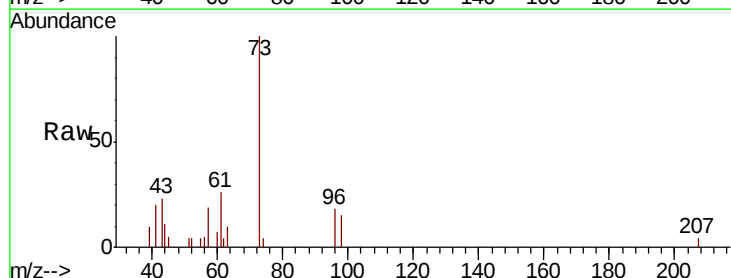
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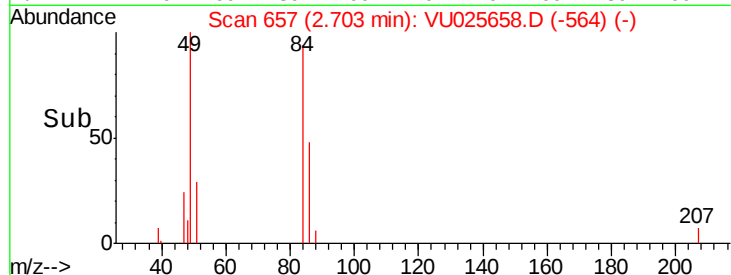
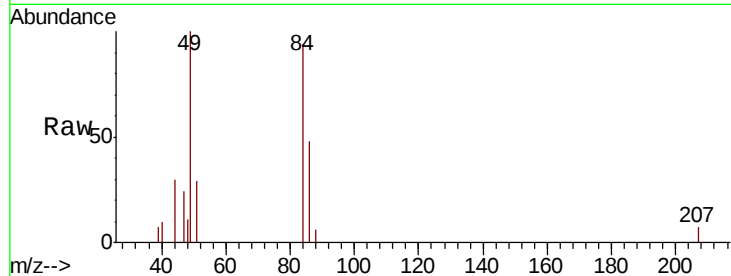
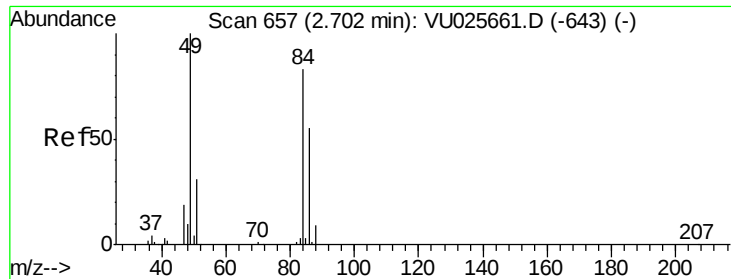
MMDadoda
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#19
Methyl tert-butyl Ether
Concen: 0.98 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Tgt Ion: 73 Resp: 6850
Ion Ratio Lower Upper
73 100
57 18.7 17.4 26.2





#20

Methylene Chloride

Concen: 1.07 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025658.D

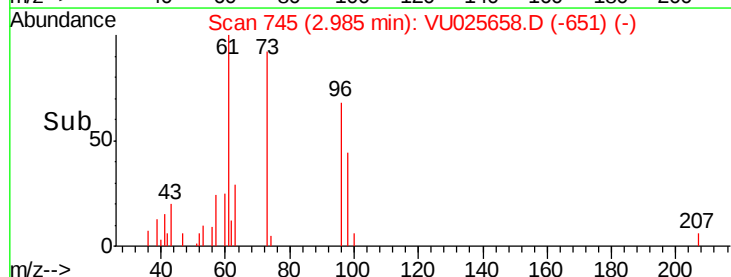
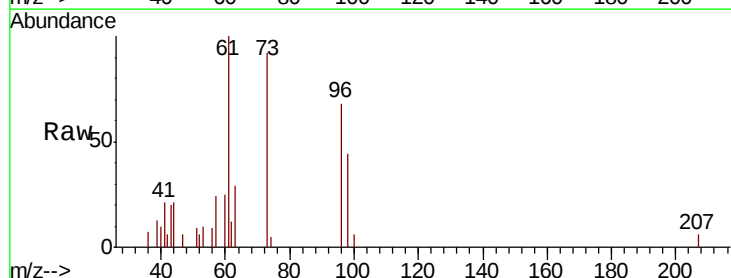
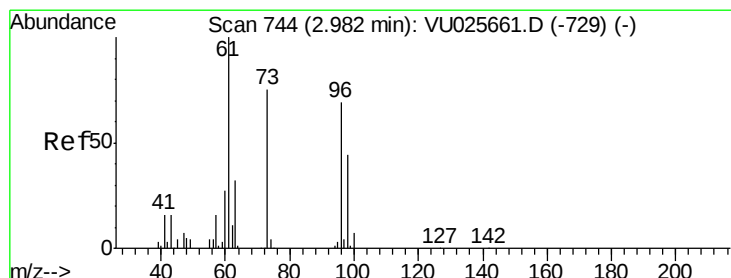
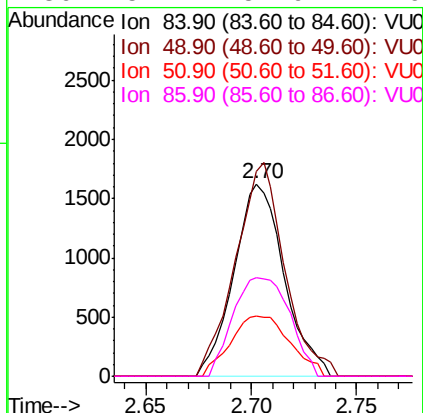
Acq: 27 Jul 2018 09:52

Tot Ion:	84	Resp:	2694
Ion	Ratio	Lower	Upper
84	100		
49	106.5	101.8	152.6
51	31.2	30.8	46.2
86	51.2	51.9	77.9#

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

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#21

trans-1,2-Dichloroethene

Concen: 1.07 ug/l

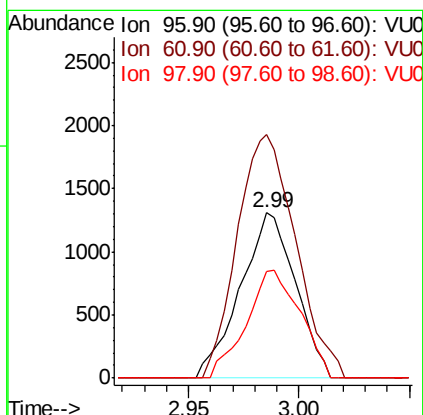
RT: 2.99 min Scan# 745

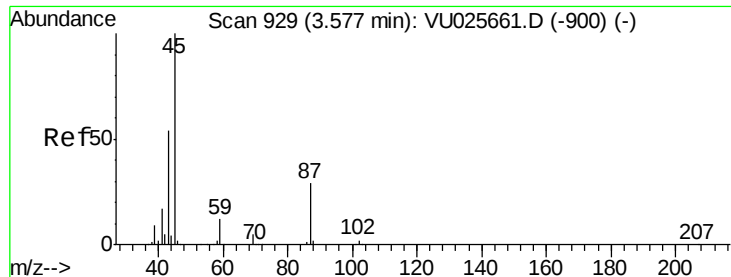
Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Tgt Ion:	96	Resp:	2261
Ion	Ratio	Lower	Upper
96	100		
61	147.5	114.5	171.7
98	64.7	50.5	75.7





#22

Diisopropyl ether

Concen: 0.95 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

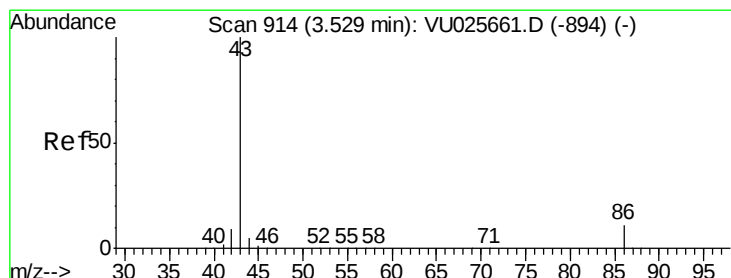
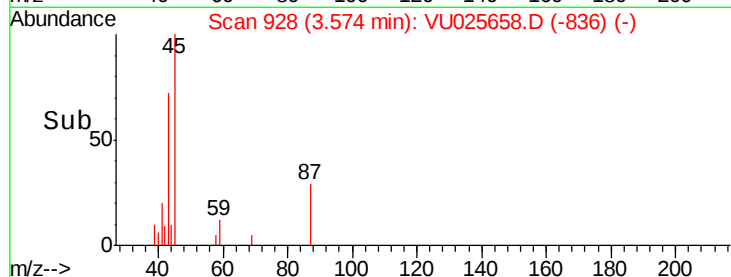
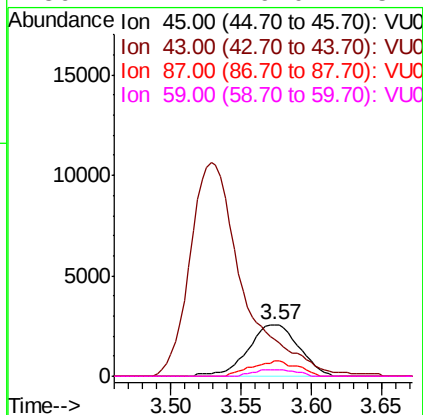
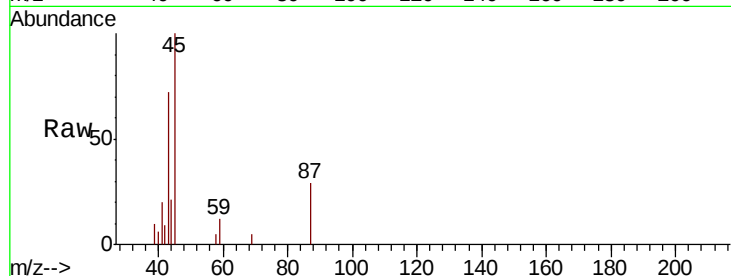
ClientSampleId :

VSTDIC001

Tot Ion:	45	Resp:	6467
Ion	Ratio	Lower	Upper
45	100		
43	65.6	50.9	76.3
87	28.5	23.8	35.8
59	12.4	9.0	13.4

Manual Integrations
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#23

Vinyl Acetate

Concen: 4.67 ug/l

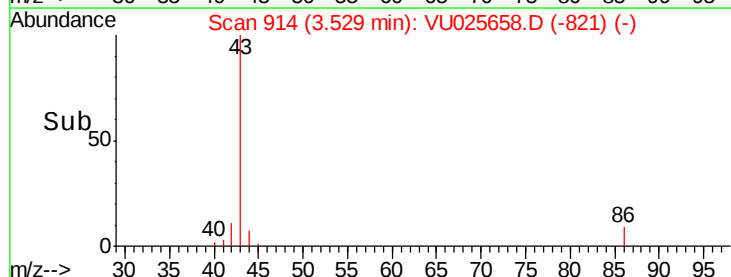
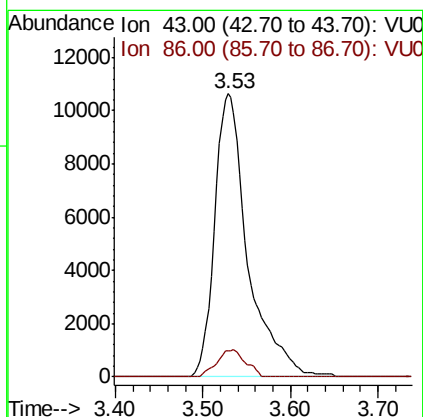
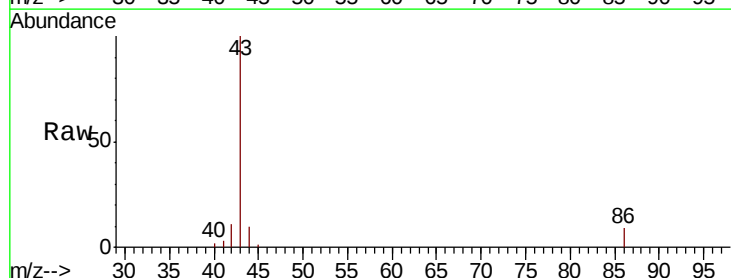
RT: 3.53 min Scan# 914

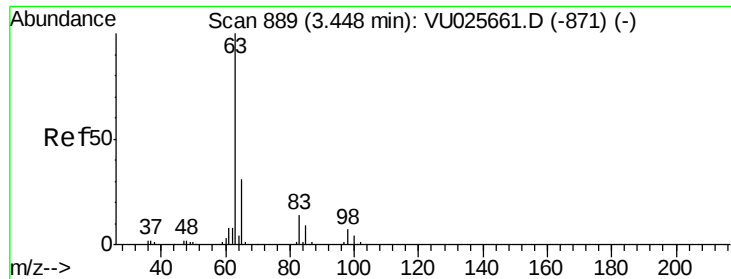
Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Tgt Ion:	43	Resp:	27974
Ion	Ratio	Lower	Upper
43	100		
86	9.3	8.2	12.2





#24

1,1-Dichloroethane

Concen: 1.04 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

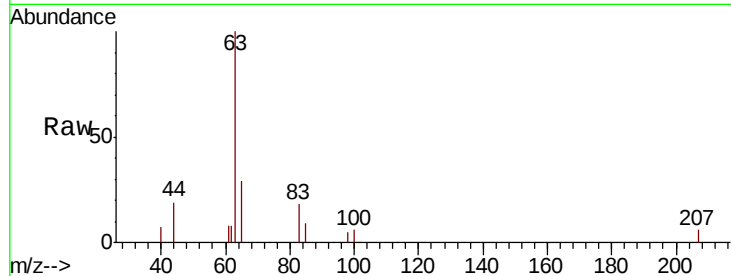
ClientSampleId :

VSTDIC001

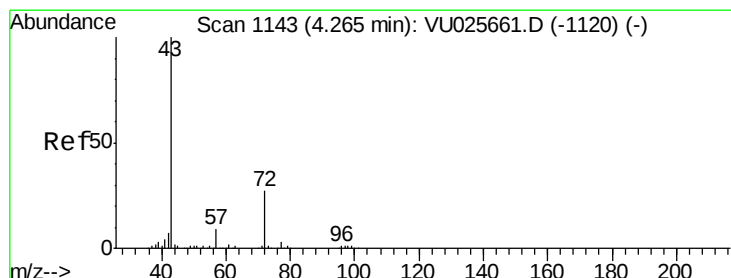
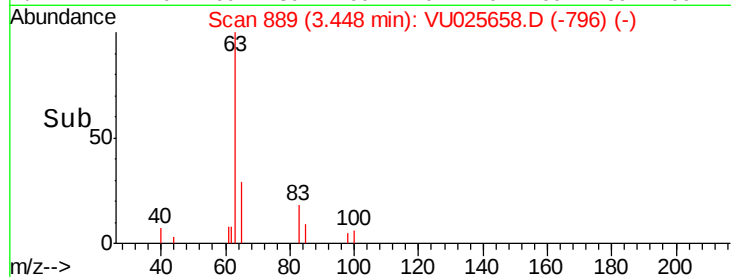
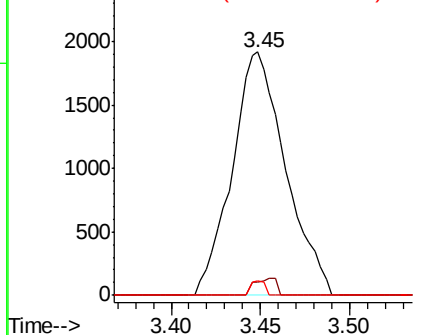
Tot Ion:	63	Resp:	3999
Ion	Ratio	Lower	Upper
63	100		
98	5.2	3.4	10.1
100	6.1	2.0	6.0#

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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: 4.51 ug/l

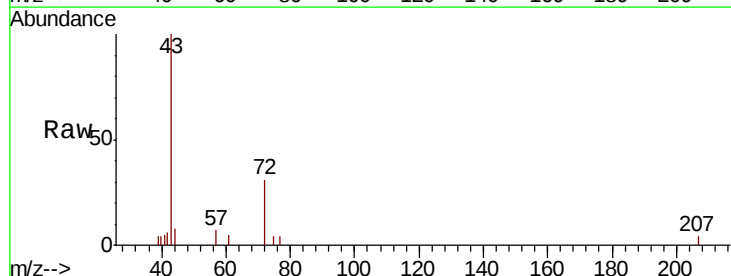
RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

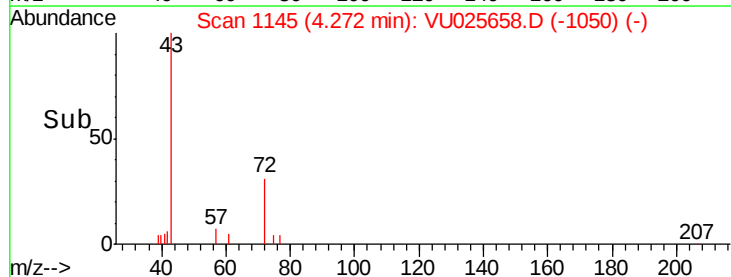
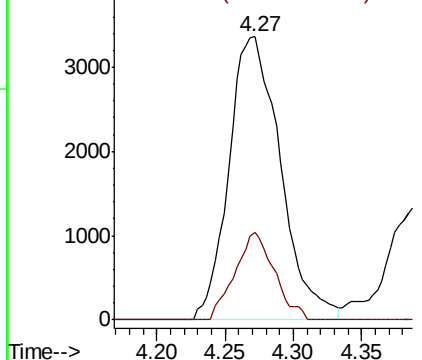
Lab File: VU025658.D

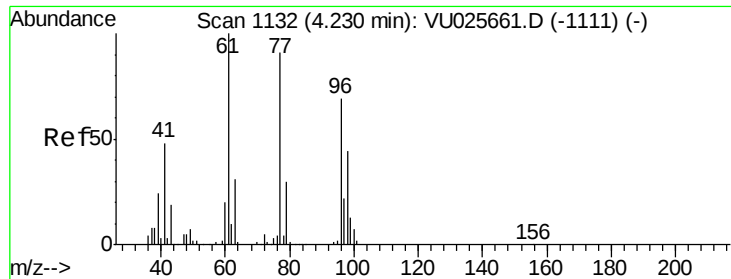
Acq: 27 Jul 2018 09:52

Tgt Ion:	43	Resp:	8834
Ion	Ratio	Lower	Upper
43	100		
72	30.9	21.0	31.4



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 72.00 (71.70 to 72.70): VU0





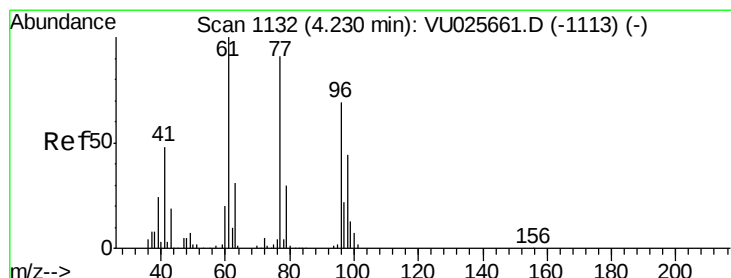
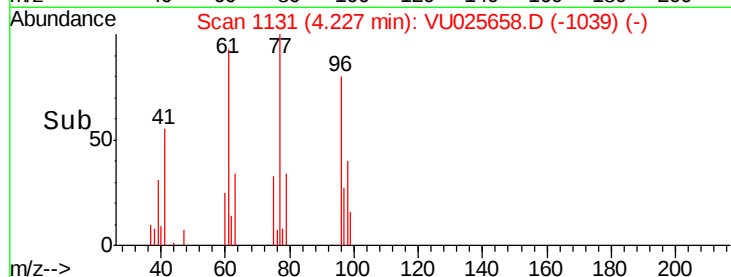
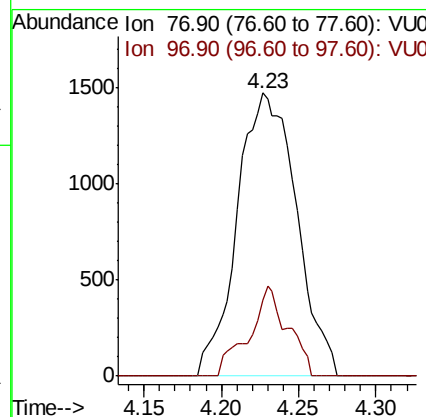
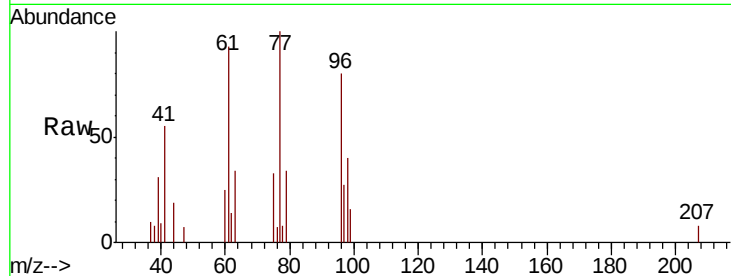
#26
 2,2-Dichloropropane
 Concen: 1.05 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.0	11.2	33.5

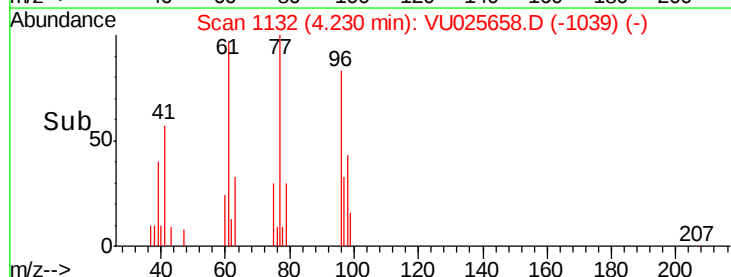
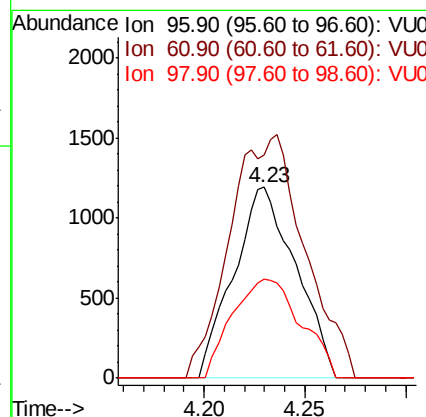
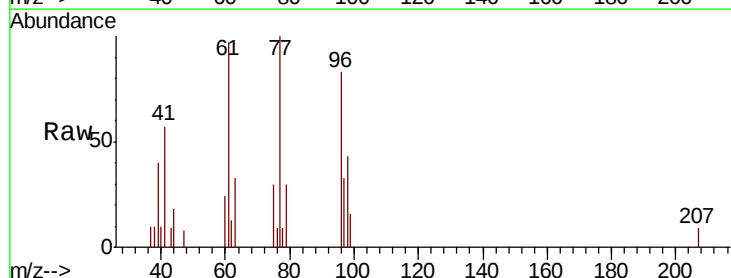
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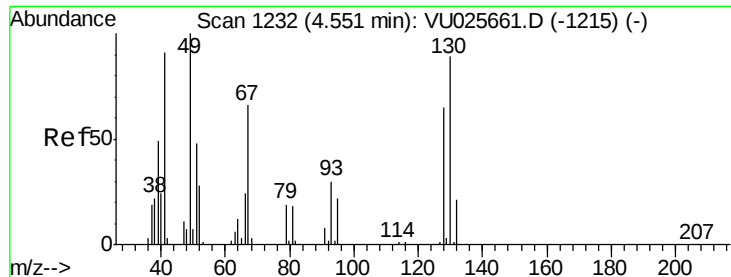
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#27
 cis-1,2-Dichloroethene
 Concen: 1.05 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	65.3	0.0	299.8
98	57.0	0.0	128.6





#28

Bromochloromethane

Concen: 1.05 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1952

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

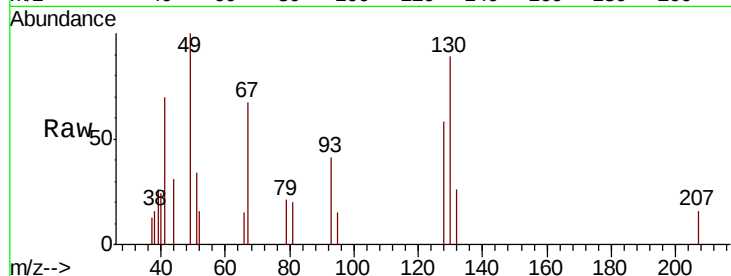
130 85.1 68.6 102.8

Manual Integrations

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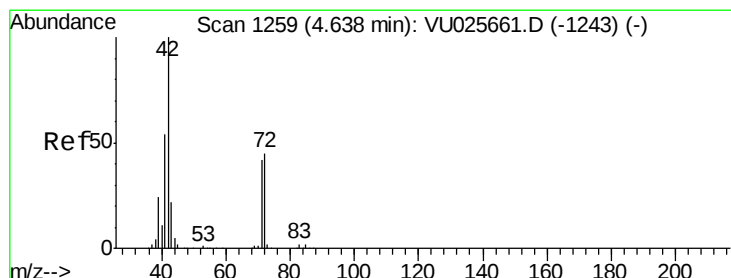
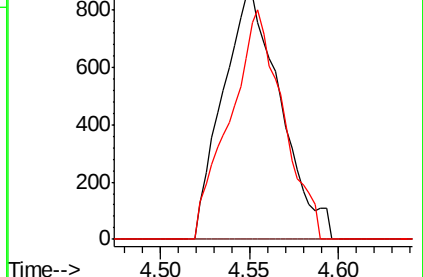
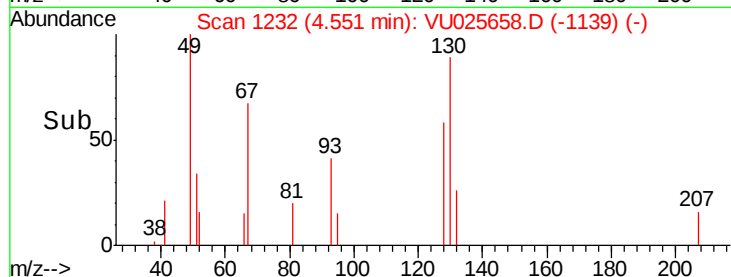


Abundance Ion 48.90 (48.60 to 49.60): VU025661.D (-1215) (-)

Ion 128.80 (128.50 to 129.50): VU025661.D (-1215) (-)

Ion 129.80 (129.50 to 130.50): VU025661.D (-1215) (-)

Time-->



#29

Tetrahydrofuran

Concen: 4.44 ug/l

RT: 4.64 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

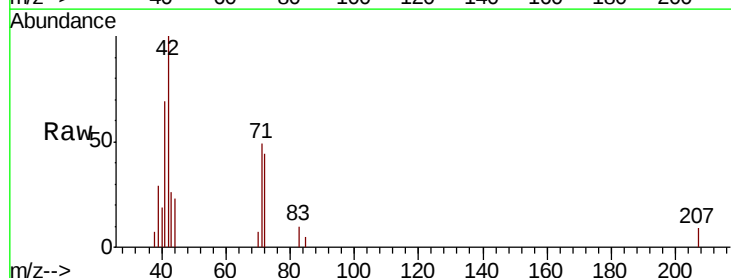
Tgt Ion: 42 Resp: 5215

Ion Ratio Lower Upper

42 100

72 39.0 36.7 55.1

71 41.8 33.9 50.9

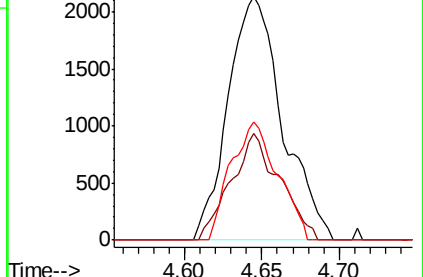
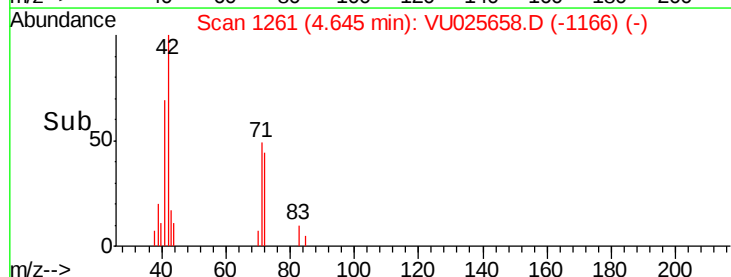


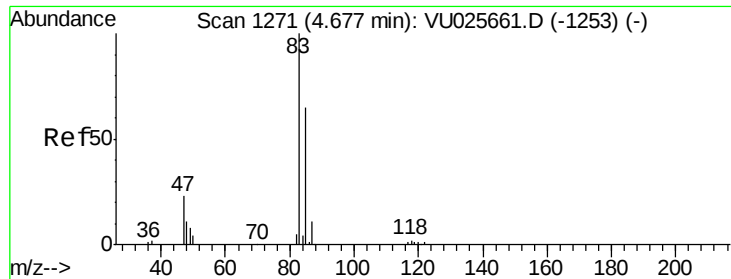
Abundance Ion 42.00 (41.70 to 42.70): VU025661.D (-1243) (-)

Ion 72.00 (71.70 to 72.70): VU025661.D (-1243) (-)

Ion 71.00 (70.70 to 71.70): VU025661.D (-1243) (-)

Time-->





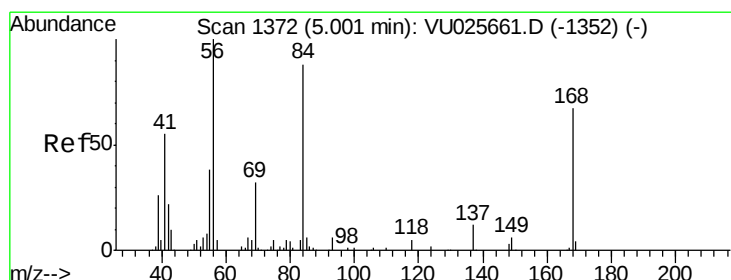
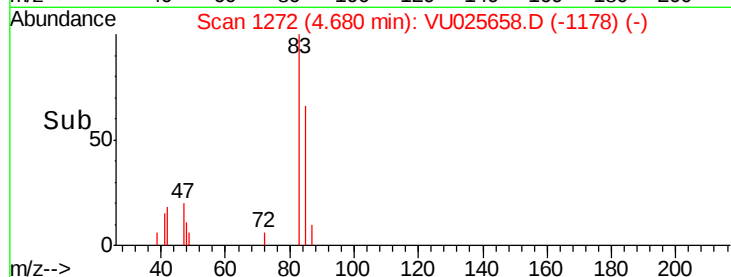
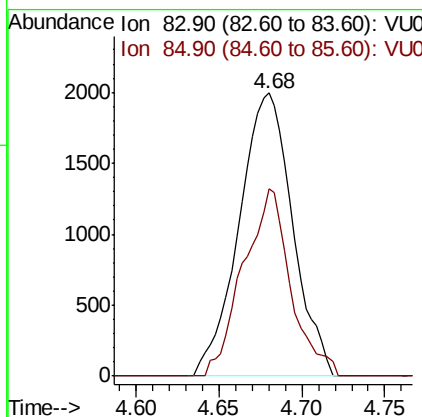
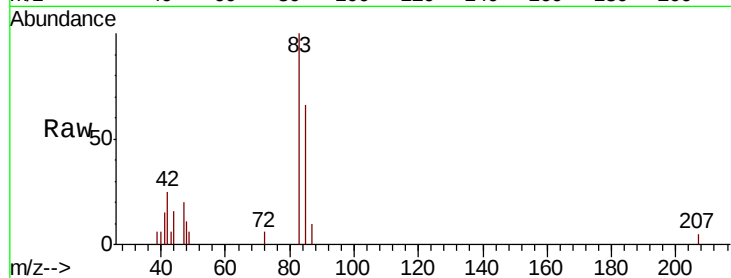
#30
Chloroform
Concen: 1.10 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	4496
Ion Ratio	100	Lower	Upper
85	66.4	51.5	77.3

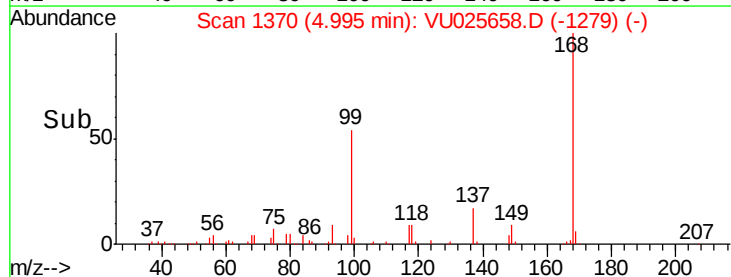
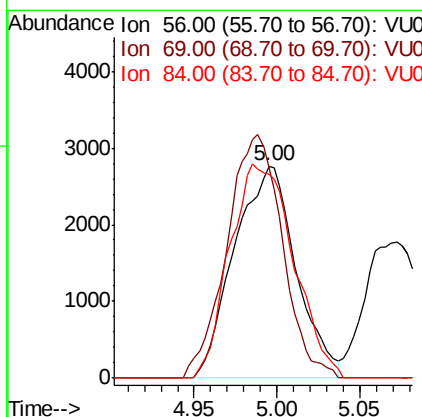
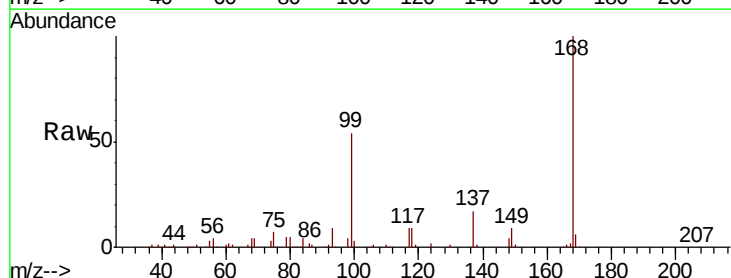
Manual Integrations
APPROVED

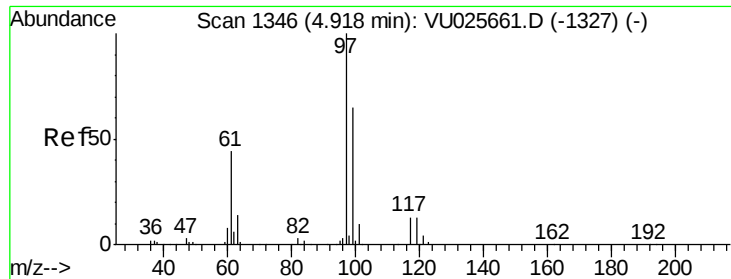
MMDadoda
7/31/2018 3:47:41 PM



#31
Cyclohexane
Concen: 1.67 ug/l
RT: 5.00 min Scan# 1370
Delta R.T. -0.01 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Tgt Ion	56	Resp	7161
Ion Ratio	100	Lower	Upper
69	99.0	26.8	40.2#
84	95.9	69.7	104.5





#32

1,1,1-Trichloroethane

Concen: 1.04 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

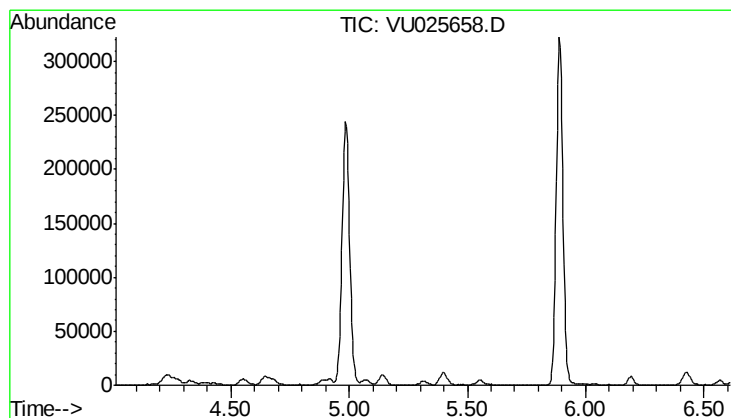
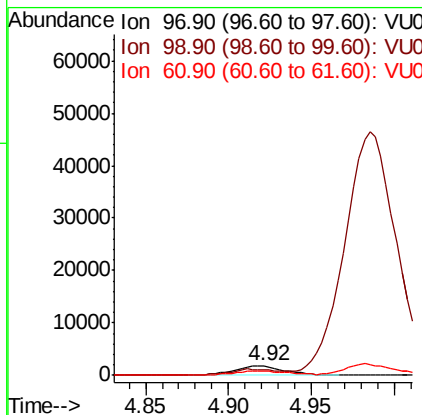
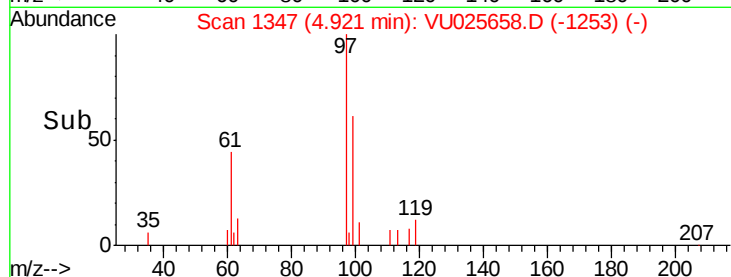
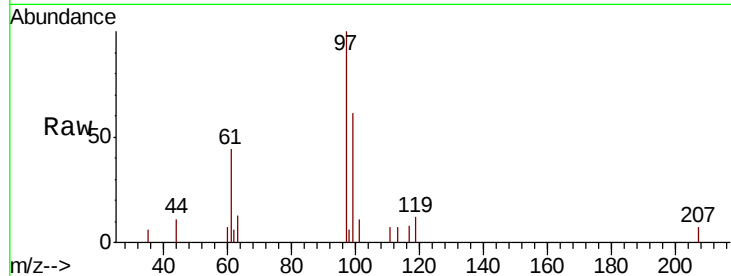
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.8	76.2#
61	48.4	35.2	52.8

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

Expected RT: 5.31 min

Lab File: VU025658.D

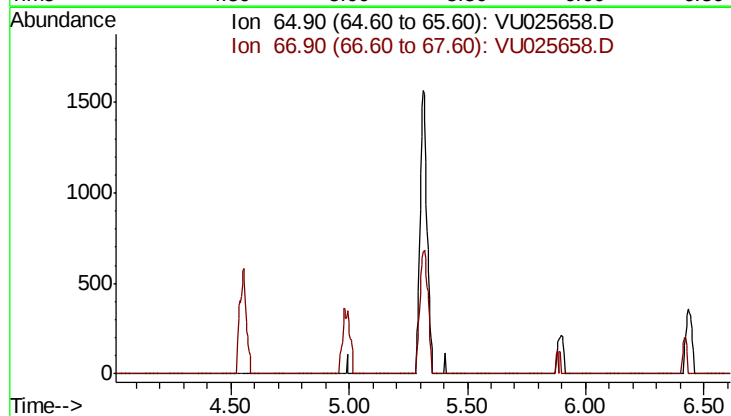
Acq: 27 Jul 2018 09:52

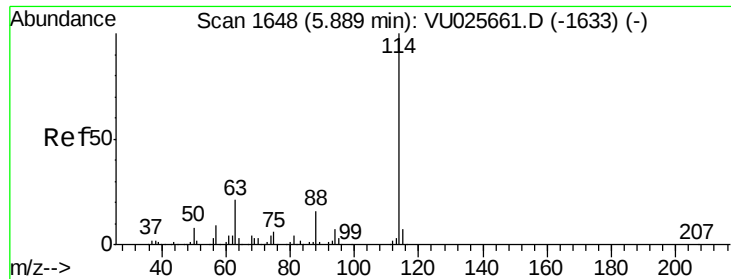
Tgt Ion: 65

Sig Exp Ratio

65 100

67 51.8





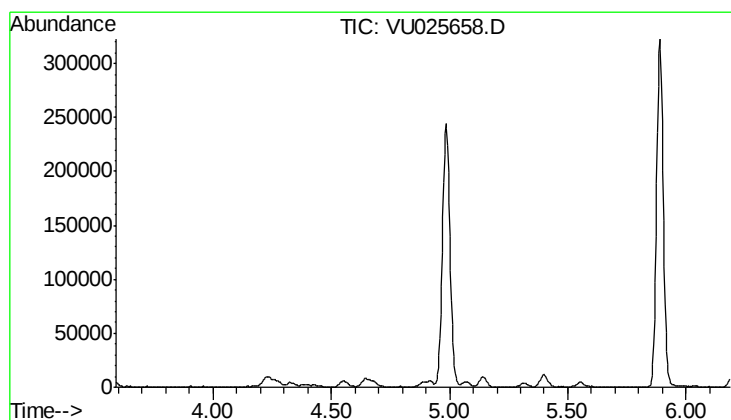
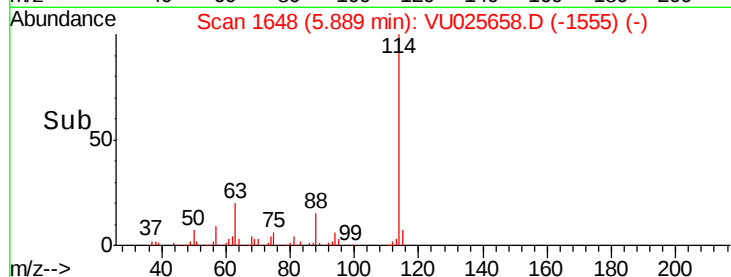
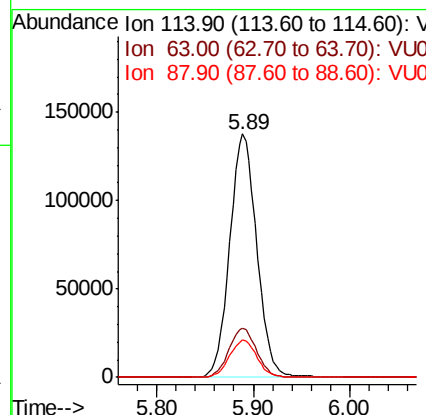
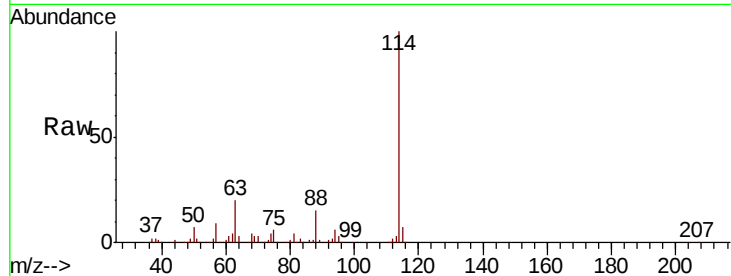
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.1	0.0	41.6
88	15.2	0.0	32.4

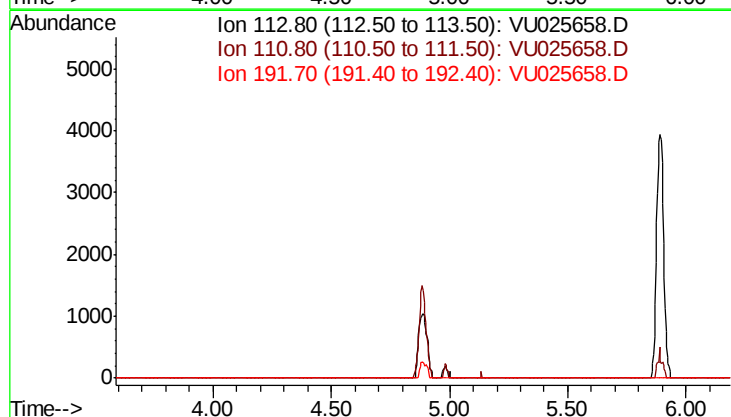
Manual Integrations
 APPROVED

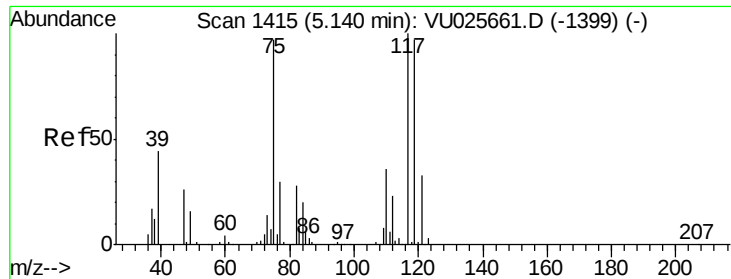
MMDadoda
 7/31/2018 3:47:41 PM



#35
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 4.89 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Tgt Ion	Exp Ratio
113	100
111	102.1
192	21.4





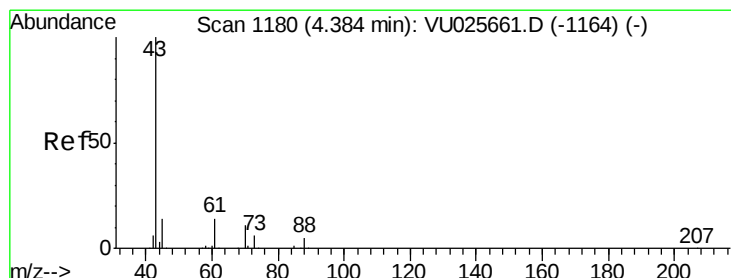
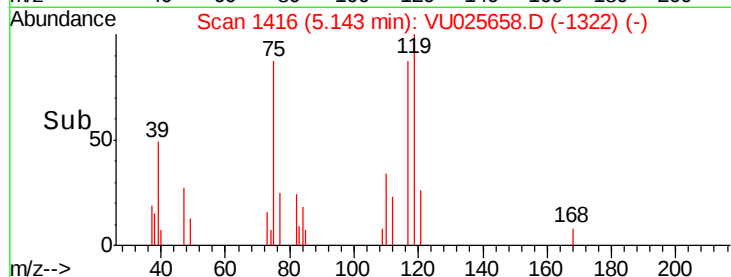
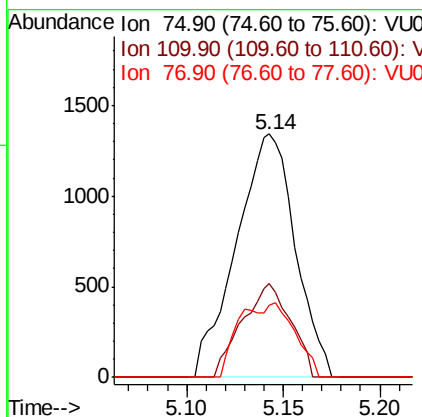
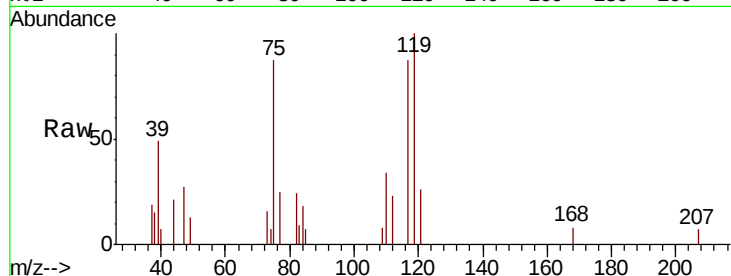
#36
 1,1-Dichloropropene
 Concen: 0.96 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.8	17.6	52.9
77	12.1	24.4	36.6#

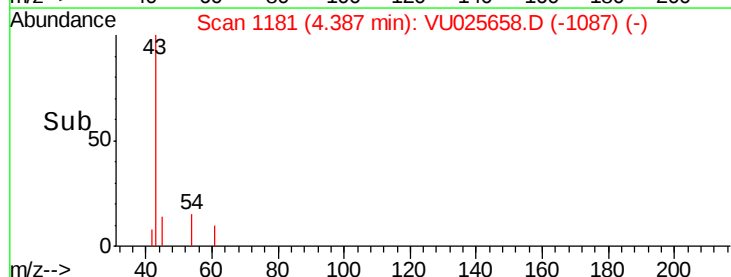
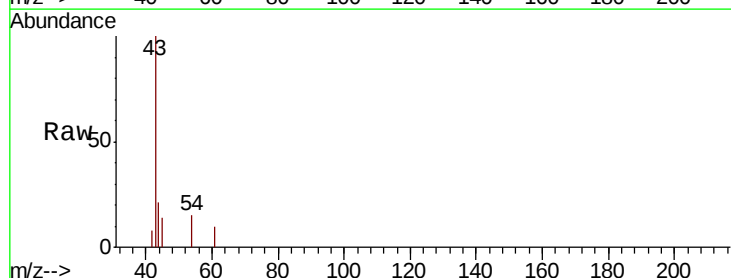
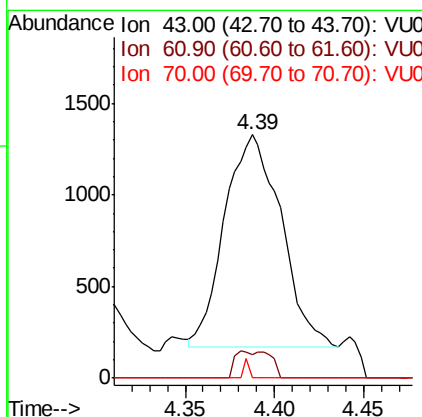
Manual Integrations
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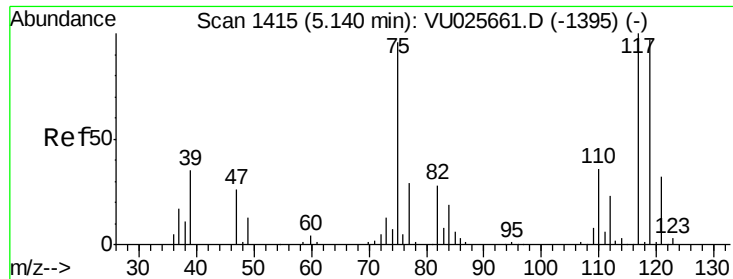
MMDadoda
 7/31/2018 3:47:41 PM



#37
 Ethyl Acetate
 Concen: 0.77 ug/l
 RT: 4.39 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Tgt Ion	Ratio	Lower	Upper
43	100		
61	4.1	10.7	16.1#
70	0.8	8.4	12.6#





#38

Carbon Tetrachloride

Concen: 1.06 ug/l

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

ClientSampleId :

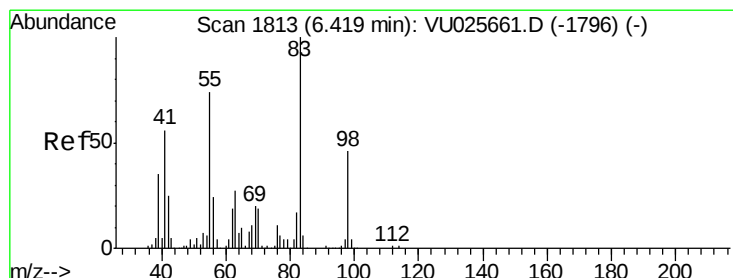
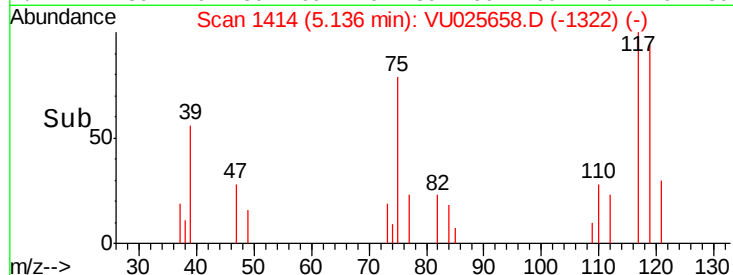
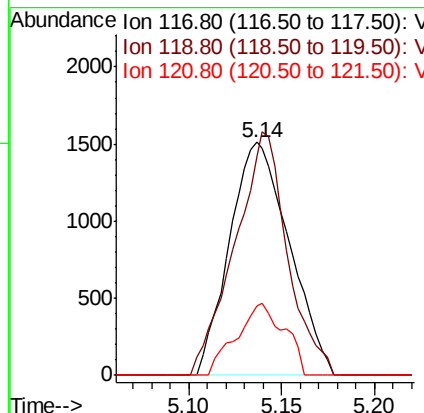
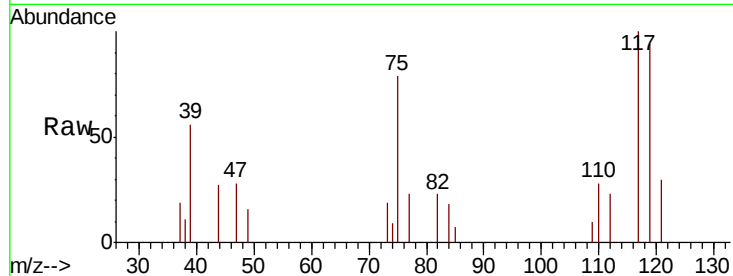
VSTDIC001

Tot Ion: 117 Resp: 3386

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.7	113.5
121	30.0	24.6	36.8

Manual Integrations
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7/31/2018 3:47:41 PM



#39

Methylcyclohexane

Concen: 0.89 ug/l

RT: 6.43 min Scan# 1815

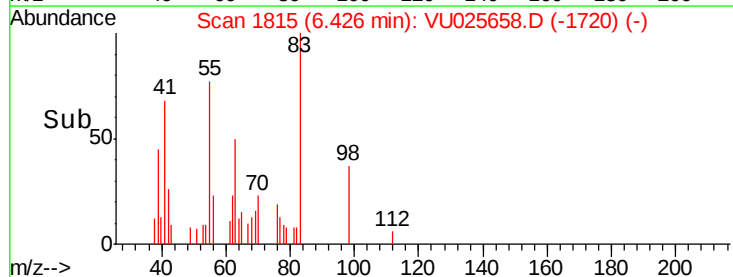
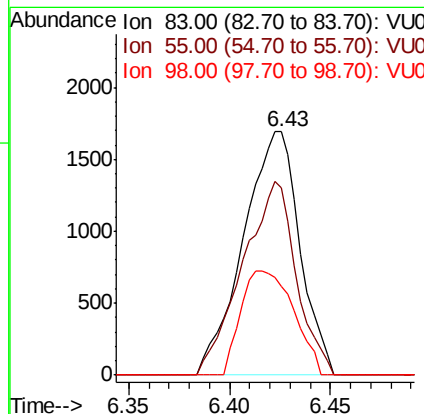
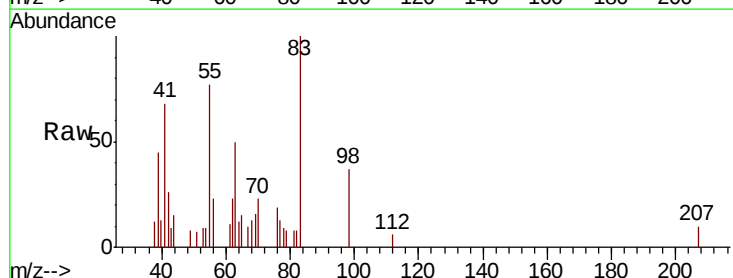
Delta R.T. 0.01 min

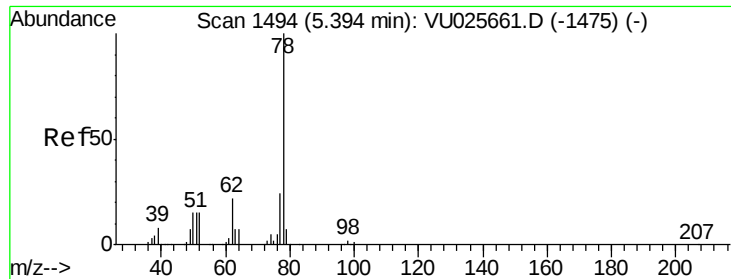
Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Tgt Ion: 83 Resp: 3299

Ion	Ratio	Lower	Upper
83	100		
55	77.0	60.0	90.0
98	36.6	36.1	54.1





#40

Benzene

Concen: 1.08 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 9280

Ion Ratio Lower Upper

78 100

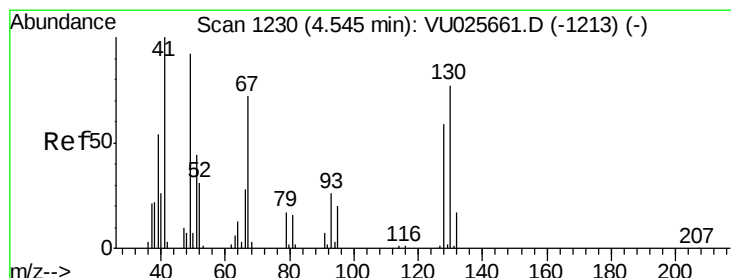
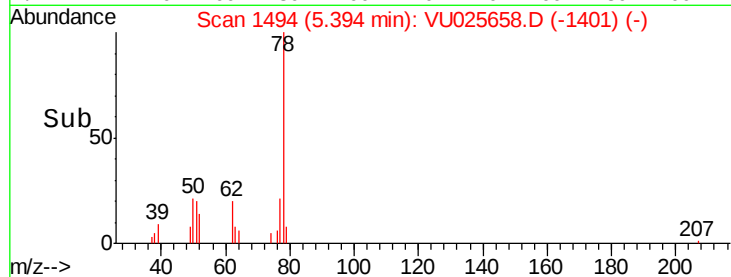
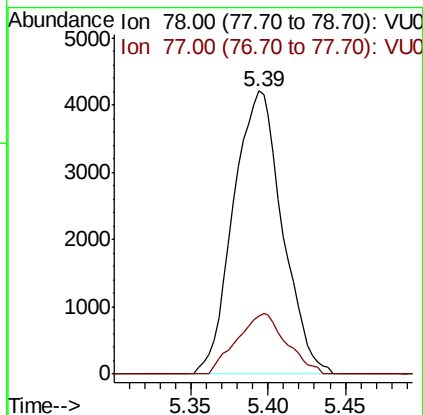
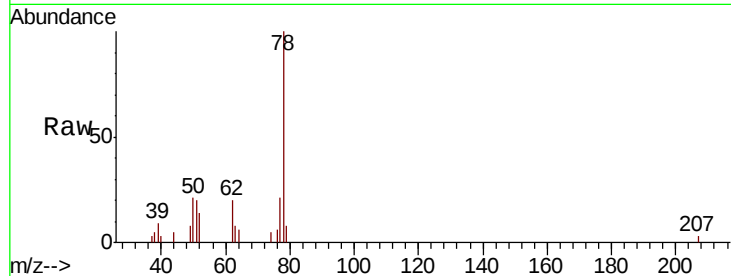
77 20.6 19.8 29.6

Manual Integrations

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#41

Methacrylonitrile

Concen: 0.87 ug/l

RT: 4.55 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Tgt Ion: 41 Resp: 1601

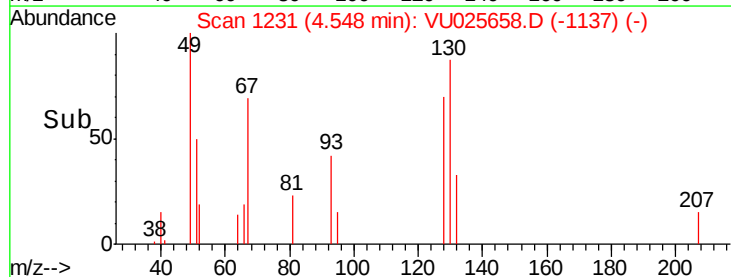
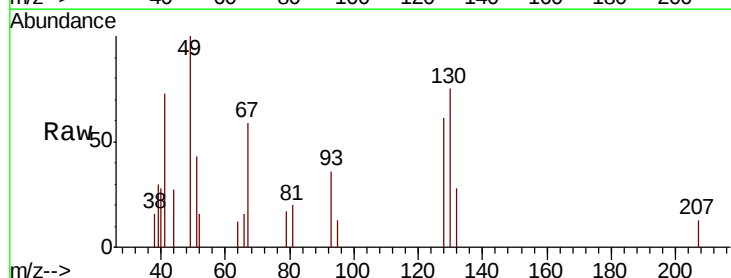
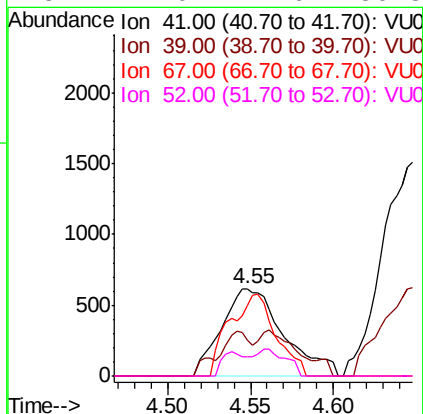
Ion Ratio Lower Upper

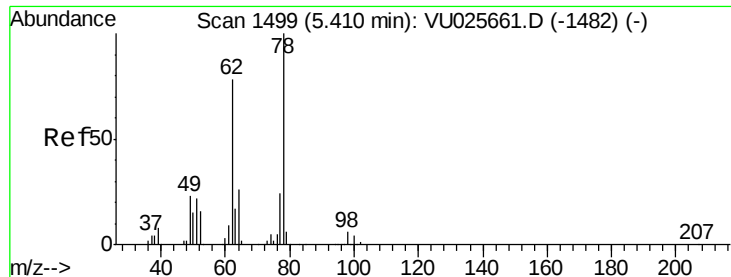
41 100

39 19.3 44.4 66.6#

67 69.6 56.0 84.0

52 14.0 24.6 36.8#





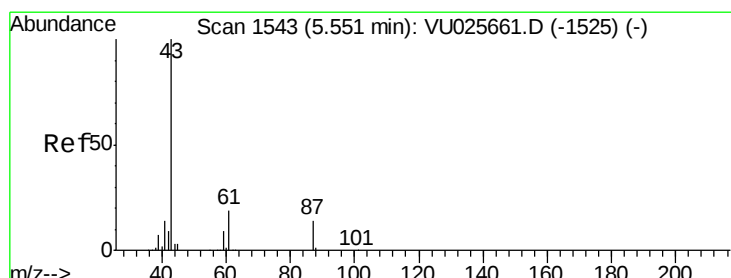
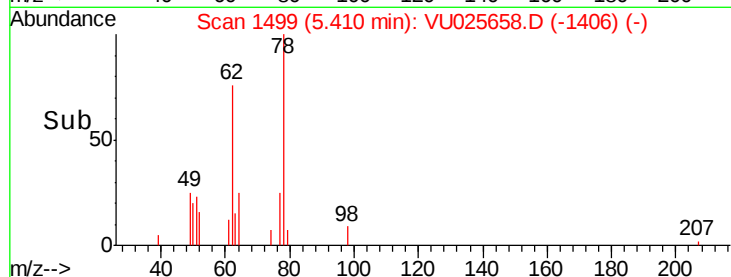
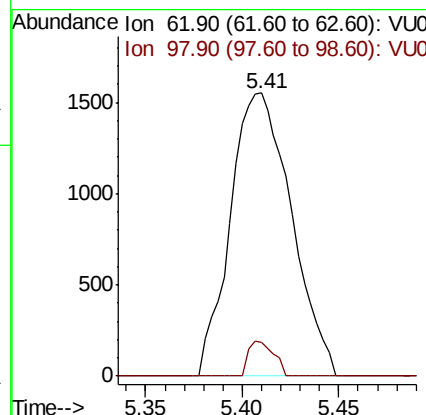
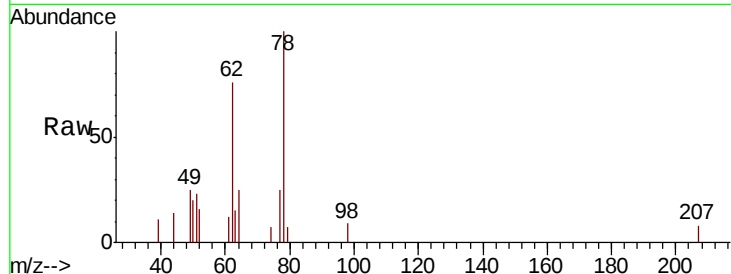
#42
 1,2-Dichloroethane
 Concen: 1.00 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100			
98	5.1		0.0	16.4

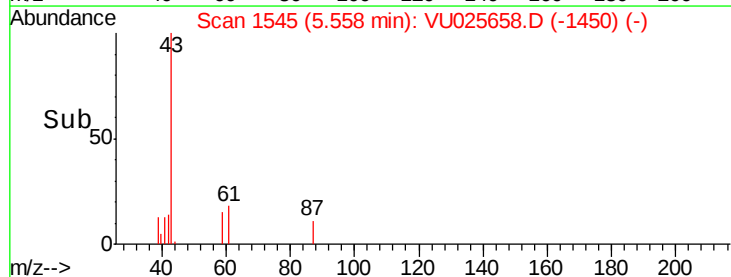
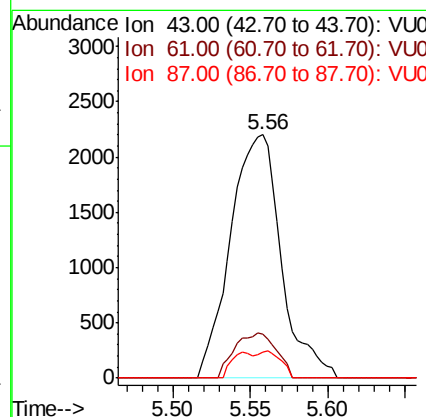
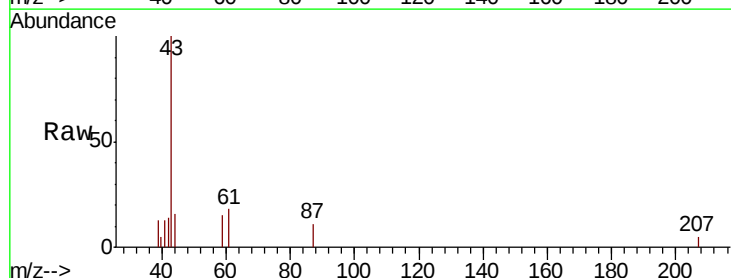
Manual Integrations
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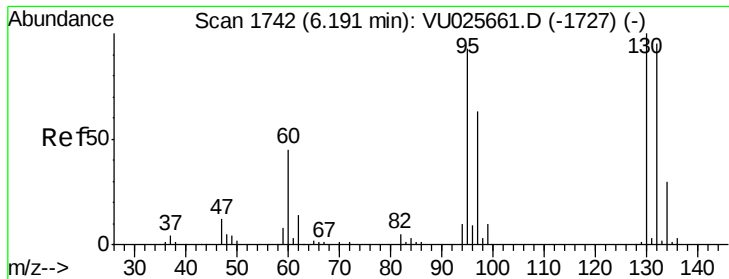
MMDadoda
 7/31/2018 3:47:41 PM



#43
 Isopropyl Acetate
 Concen: 0.95 ug/l
 RT: 5.56 min Scan# 1545
 Delta R.T. 0.01 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	15.2		15.5	23.3#
87	4.4		10.6	16.0#





#44

Trichloroethene

Concen: 1.07 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 2628

Ion Ratio Lower Upper

130 100

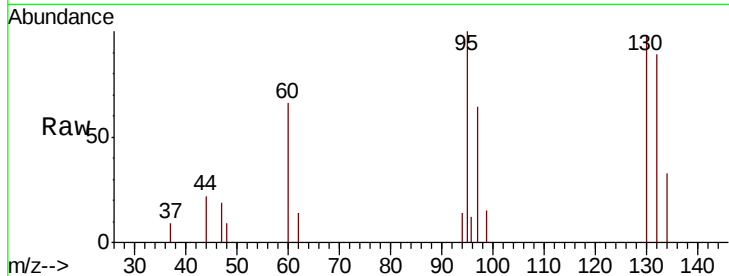
95 102.3 0.0 192.2

Manual Integrations

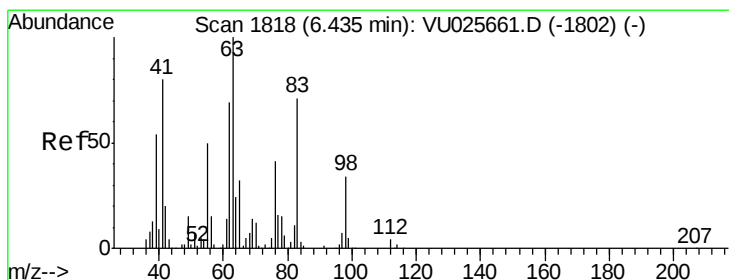
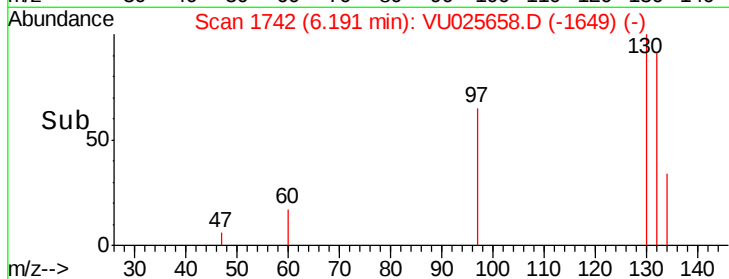
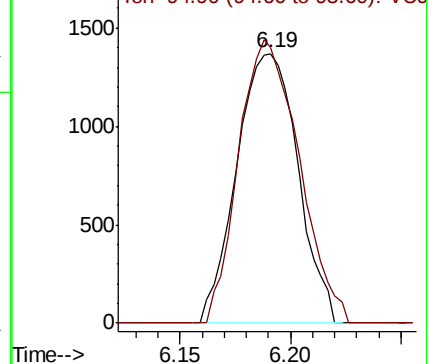
APPROVED

MMDadoda

7/31/2018 3:47:41 PM



Abundance Ion 129.80 (129.50 to 130.50): VU025661.D (-1727) (-)



#45

1,2-Dichloropropane

Concen: 1.05 ug/l

RT: 6.43 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VU025658.D

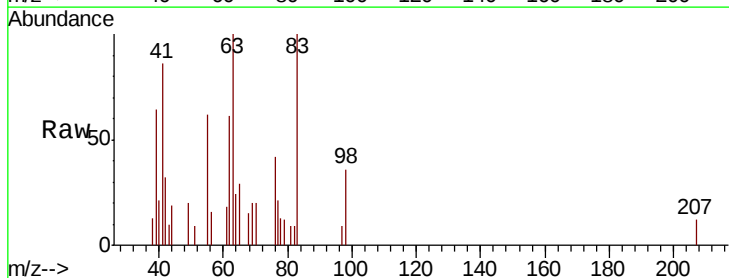
Acq: 27 Jul 2018 09:52

Tgt Ion: 63 Resp: 2351

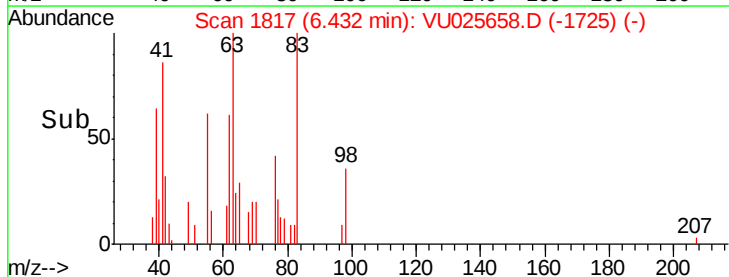
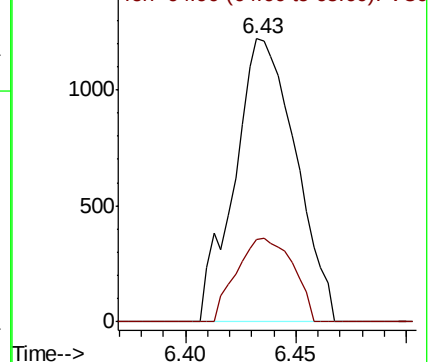
Ion Ratio Lower Upper

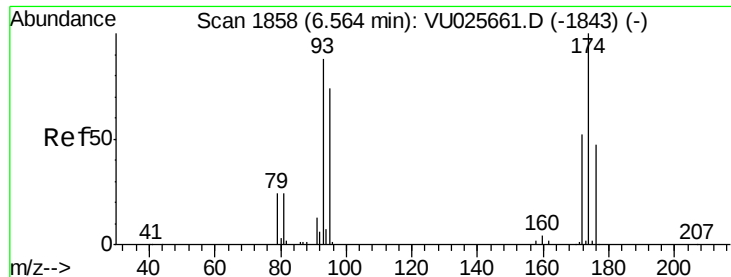
63 100

65 29.2 26.1 39.1



Abundance Ion 62.90 (62.60 to 63.60): VU025661.D (-1802) (-)





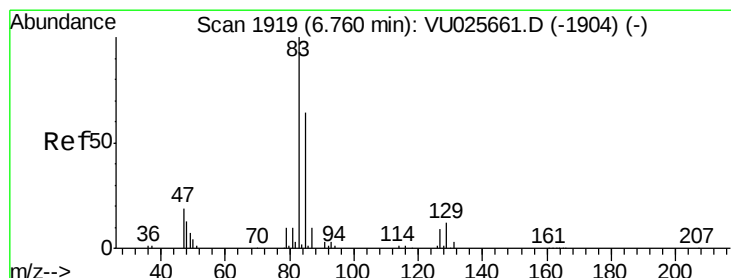
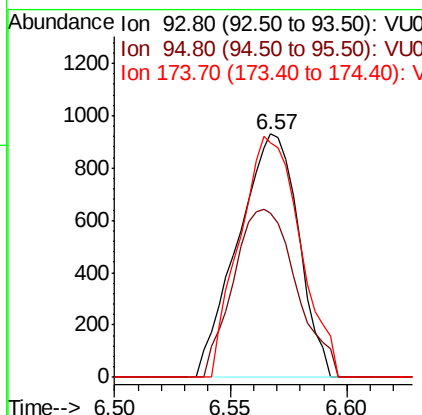
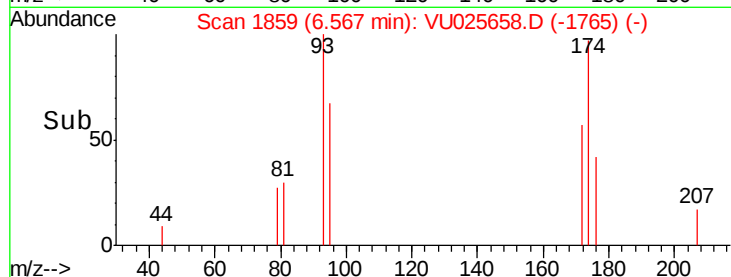
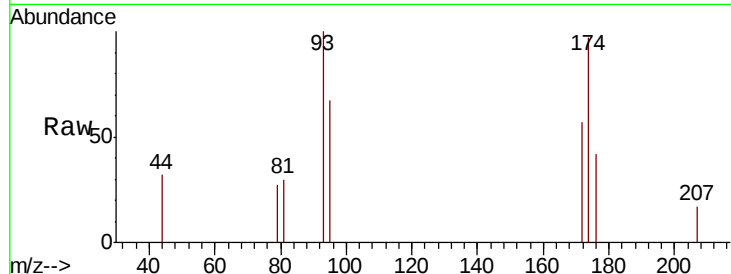
#46
Dibromomethane
Concen: 1.04 ug/l
RT: 6.57 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 93 Resp: 1689
Ion Ratio Lower Upper
93 100
95 71.9 66.6 100.0
174 98.8 85.8 128.8

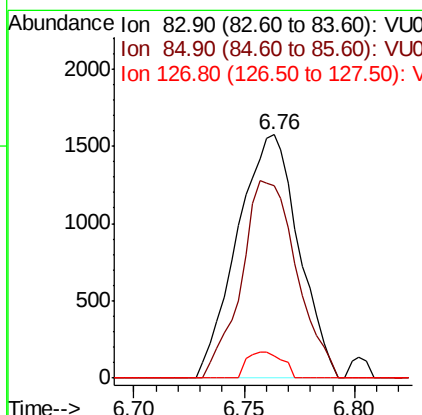
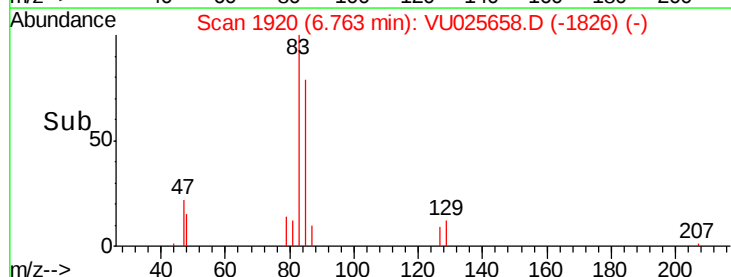
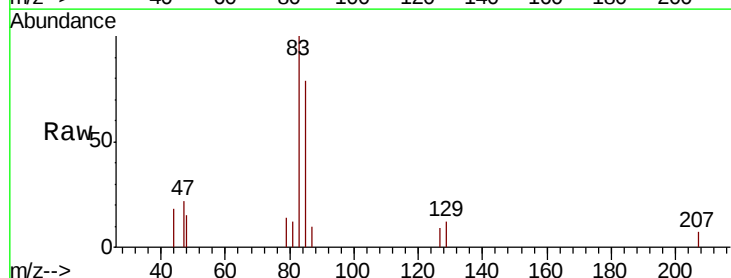
Manual Integrations
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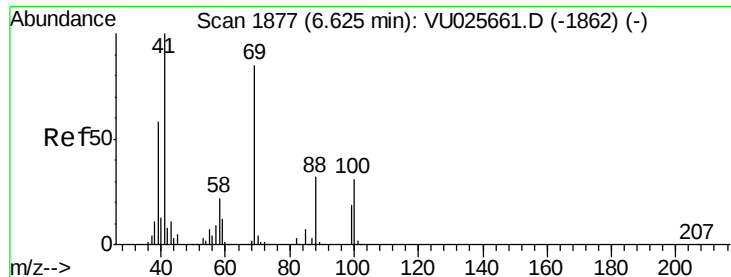
MMDadoda
7/31/2018 3:47:41 PM



#47
Bromodichloromethane
Concen: 1.00 ug/l
RT: 6.76 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Tgt Ion: 83 Resp: 3037
Ion Ratio Lower Upper
83 100
85 78.9 50.2 75.4#
127 9.3 7.2 10.8





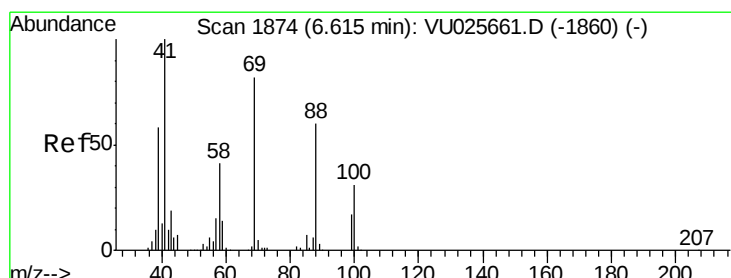
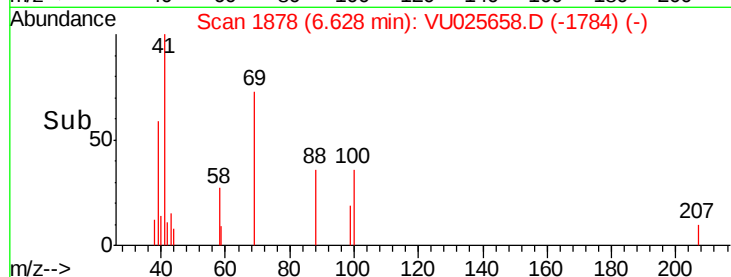
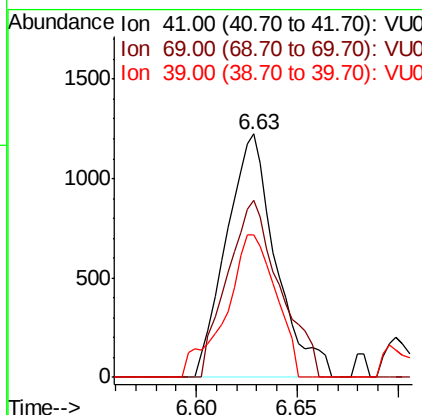
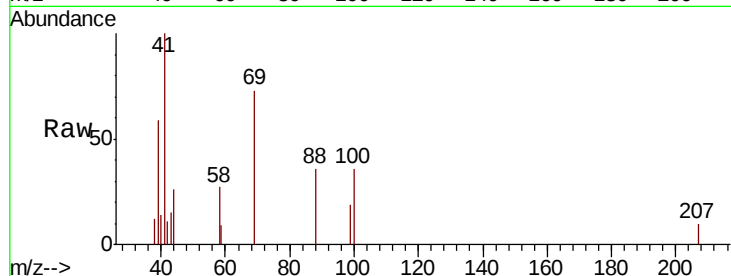
#48
Methvl methacrylate
Concen: 0.79 ug/l
RT: 6.63 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	76.6	65.0	97.4
39	59.4	46.4	69.6

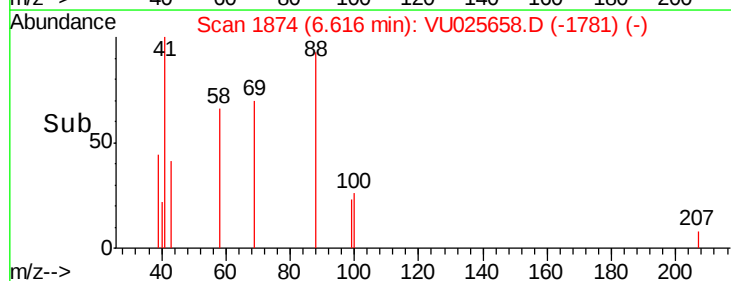
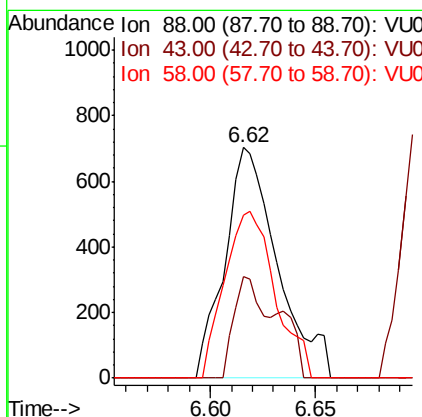
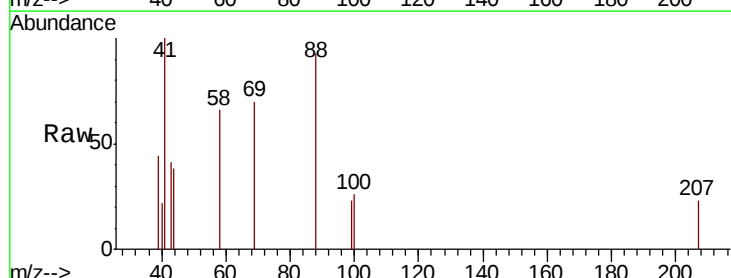
Manual Integrations
APPROVED

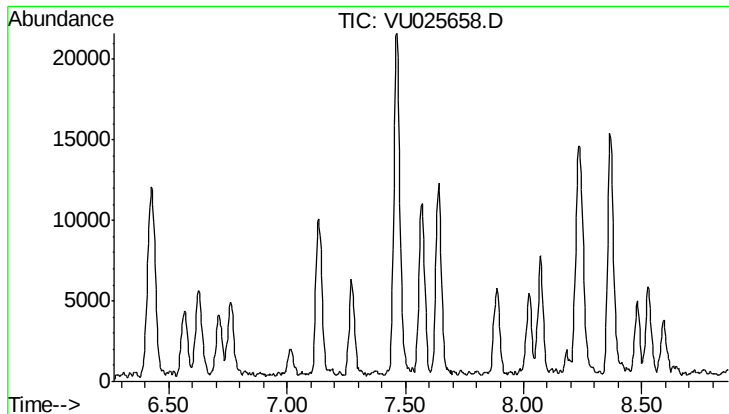
MMDadoda
7/31/2018 3:47:41 PM



#49
1,4-Dioxane
Concen: 19.20 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Tgt Ion	Ratio	Lower	Upper
88	100		
43	24.6	27.3	40.9#
58	69.1	57.6	86.4





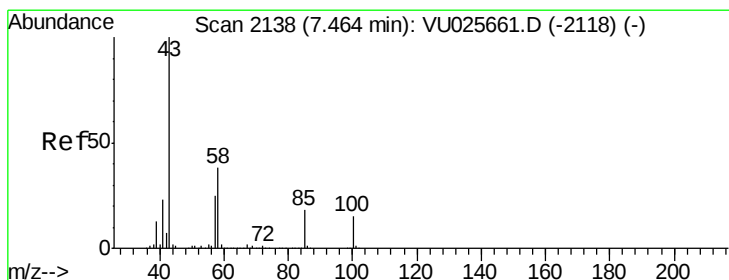
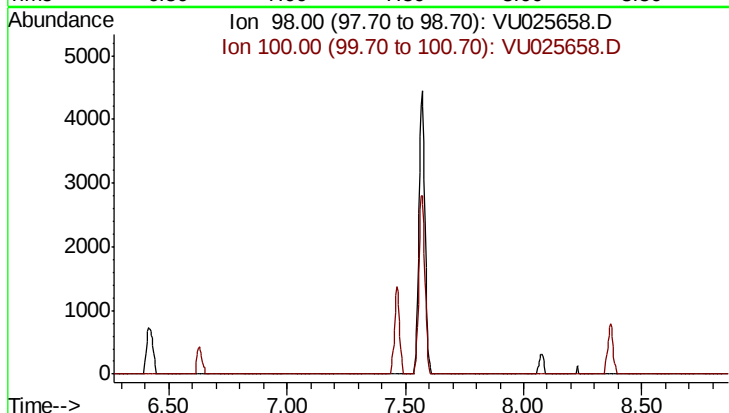
#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 7.57 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 63.9

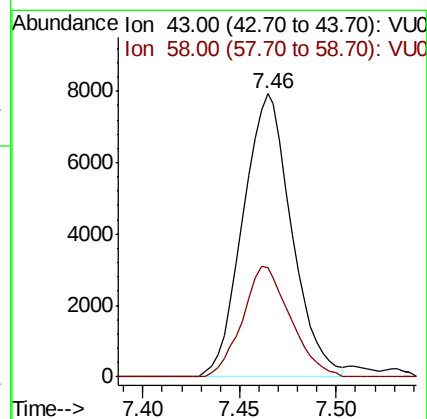
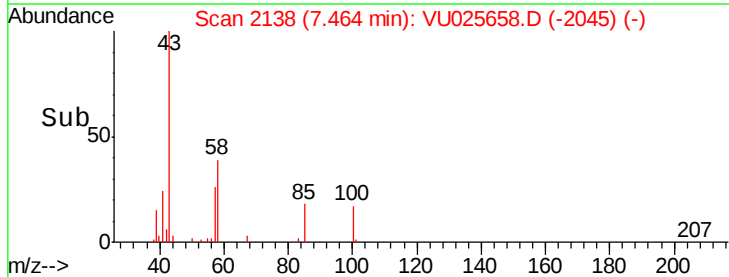
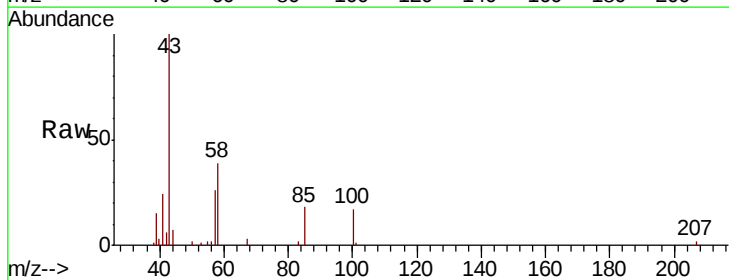
Manual Integrations
APPROVED

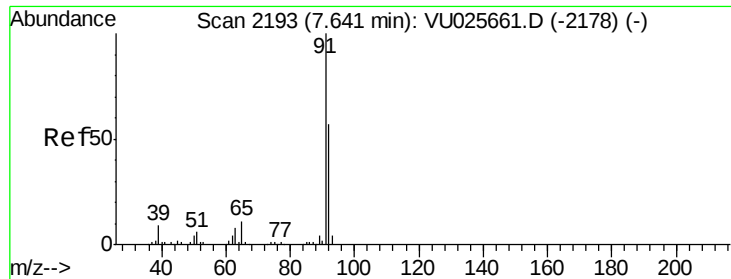
MMDadoda
7/31/2018 3:47:41 PM



#51
4-Methyl-2-Pentanone
Concen: 4.04 ug/l
RT: 7.46 min Scan# 2138
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Tgt Ion: 43 Resp: 13917
Ion Ratio Lower Upper
43 100
58 38.4 31.0 46.4





#52

Toluene

Concen: 0.96 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 5204

Ion Ratio Lower Upper

92 100

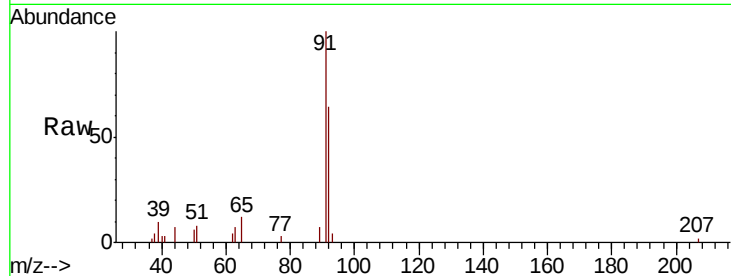
91 173.3 139.2 208.8

Manual Integrations

APPROVED

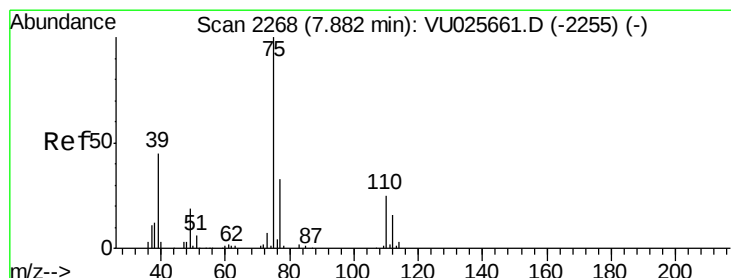
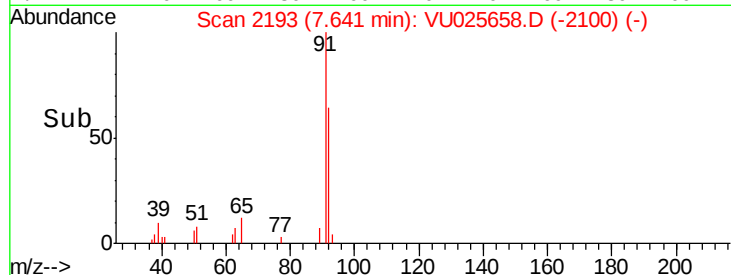
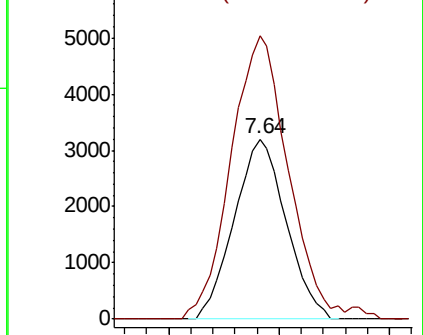
MMDadoda

7/31/2018 3:47:41 PM



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

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



#53

t-1,3-Dichloropropene

Concen: 0.99 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025658.D

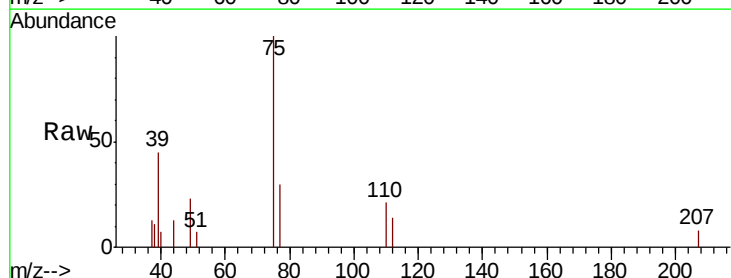
Acq: 27 Jul 2018 09:52

Tgt Ion: 75 Resp: 3310

Ion Ratio Lower Upper

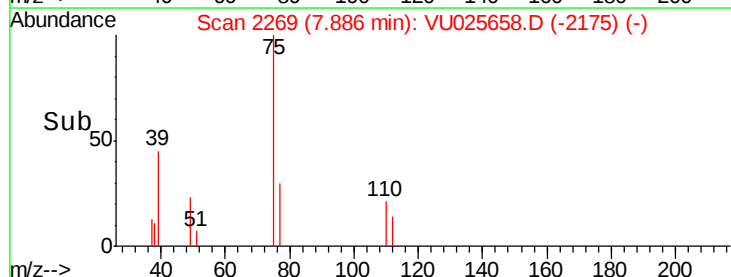
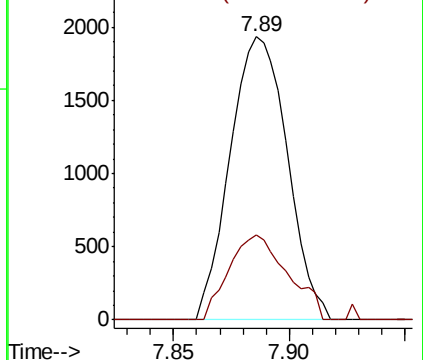
75 100

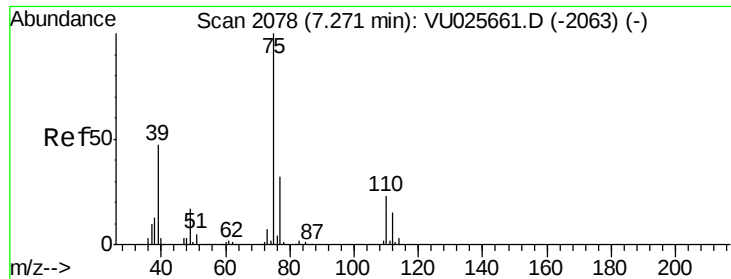
77 29.9 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VU025661.D (-2255) (-)

Ion 76.90 (76.60 to 77.60): VU025661.D (-2255) (-)





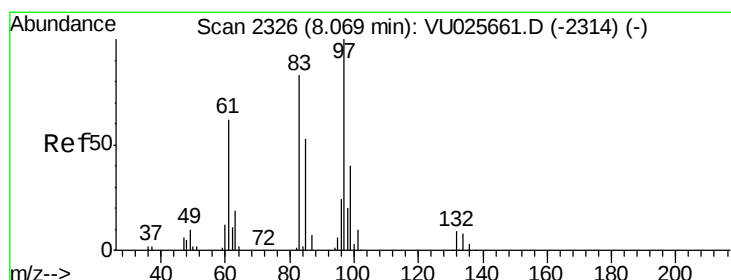
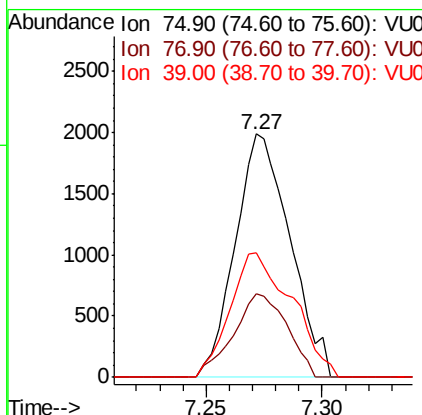
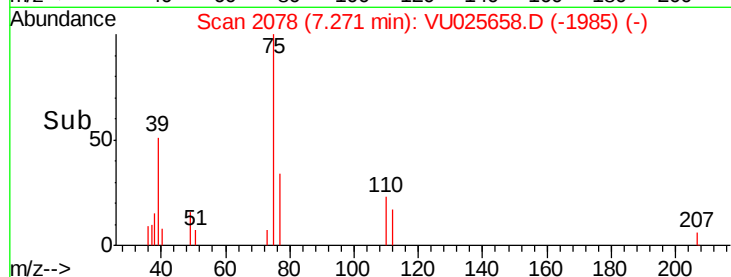
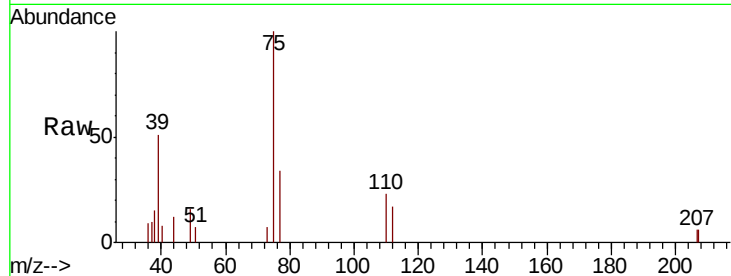
#54
 cis-1,3-Dichloropropene
 Concen: 0.92 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.1	25.6	38.4
39	50.9	40.0	60.0

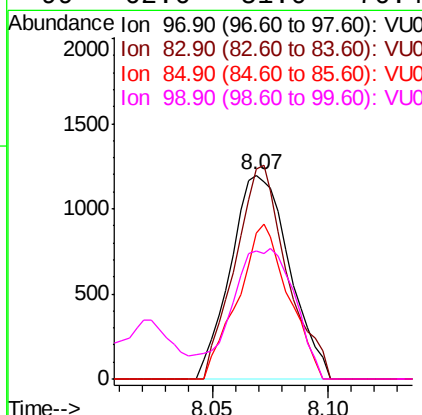
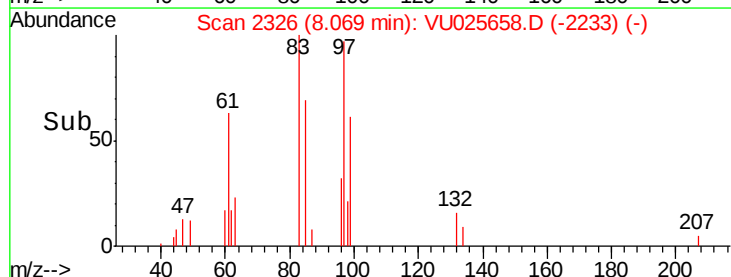
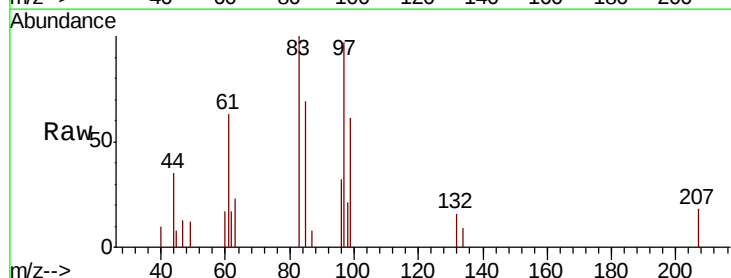
Manual Integrations
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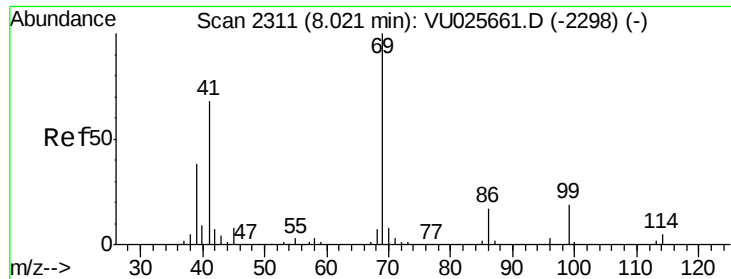
MMDadoda
 7/31/2018 3:47:41 PM



#55
 1,1,2-Trichloroethane
 Concen: 0.93 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Tgt Ion	Ratio	Lower	Upper
97	100		
83	102.7	68.9	103.3
85	71.2	44.4	66.6#
99	62.6	51.0	76.4





#56

Ethyl methacrylate

Concen: 0.77 ug/l

RT: 8.02 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

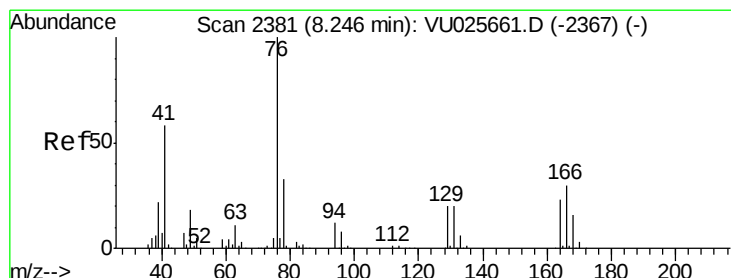
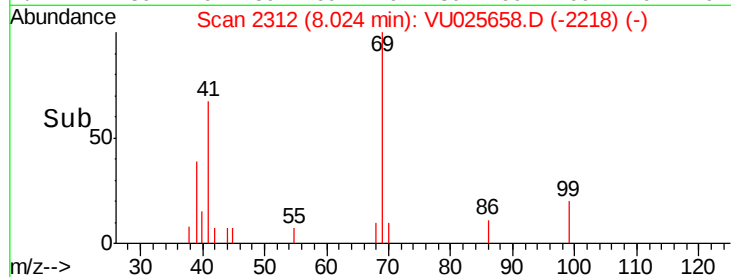
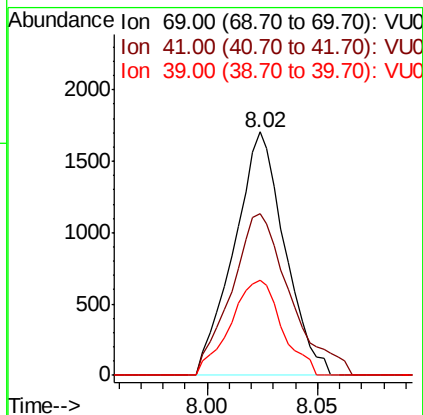
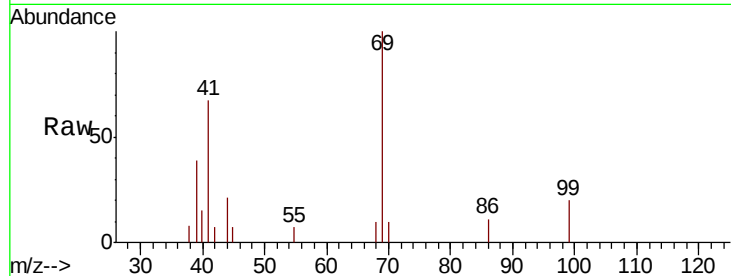
ClientSampleId :

VSTDIC001

Tot Ion:	69.00	Resp:	2722
Ion	Ratio	Lower	Upper
69	100		
41	76.9	54.8	82.2
39	39.6	31.1	46.7

Manual Integrations
APPROVED

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7/31/2018 3:47:41 PM



#57

1,3-Dichloropropane

Concen: 1.01 ug/l

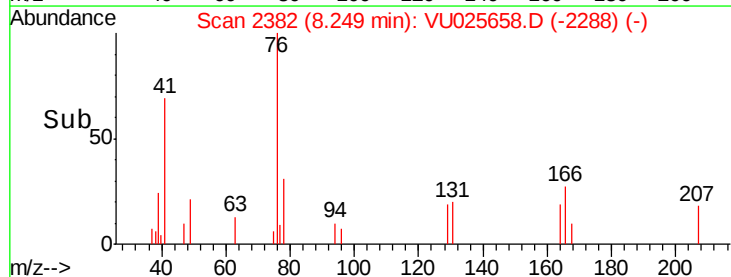
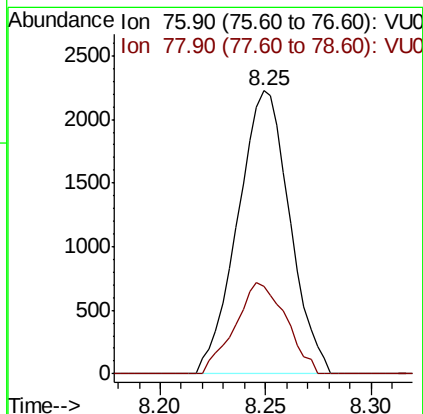
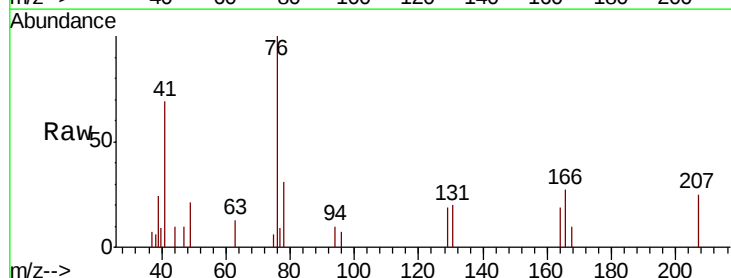
RT: 8.25 min Scan# 2382

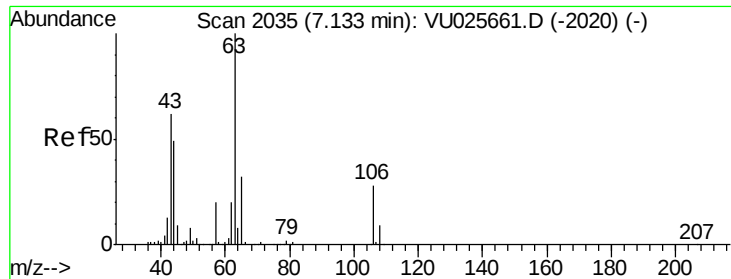
Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Tgt Ion:	76	Resp:	3814
Ion	Ratio	Lower	Upper
76	100		
78	31.5	26.1	39.1





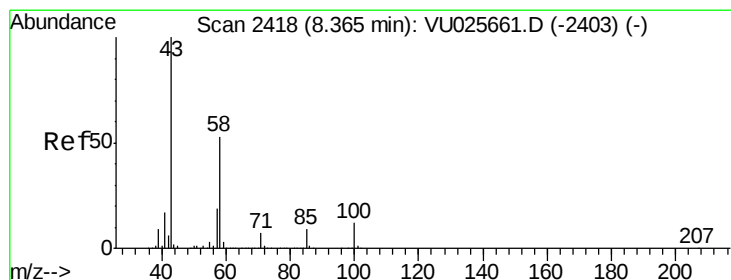
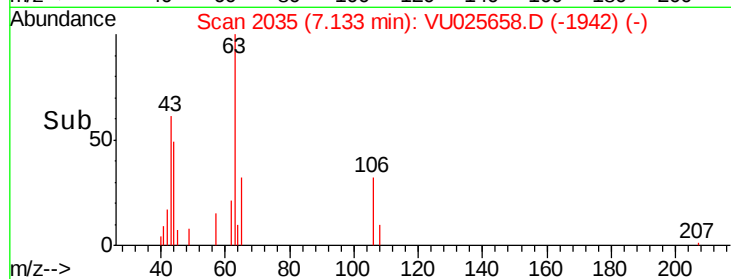
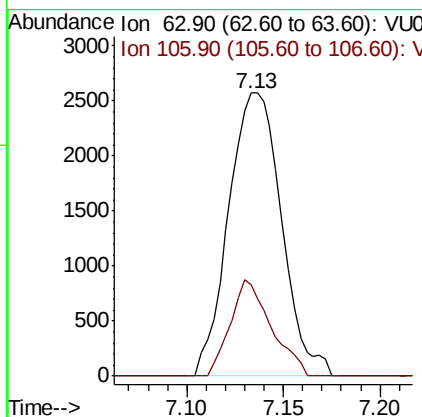
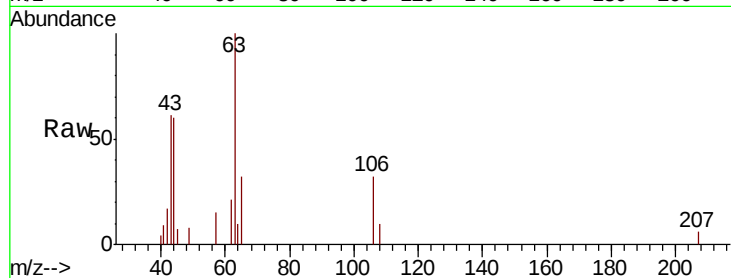
#58
2-Chloroethyl Vinyl ether
Concen: 3.92 ug/l
RT: 7.13 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 4898
Ion Ratio Lower Upper
63 100
106 26.1 22.3 33.5

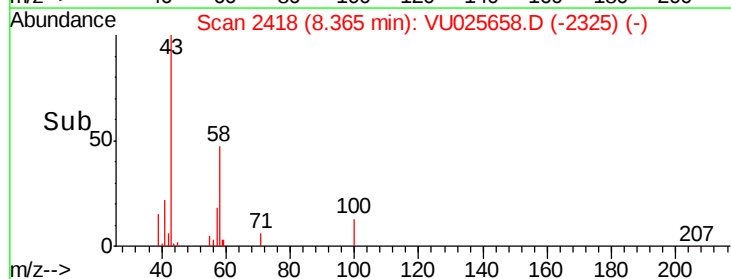
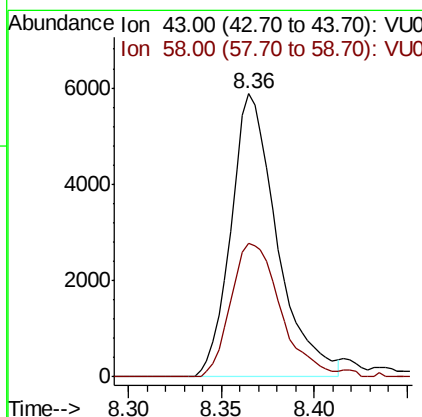
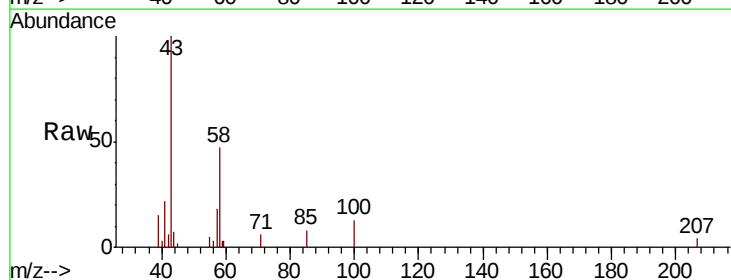
Manual Integrations
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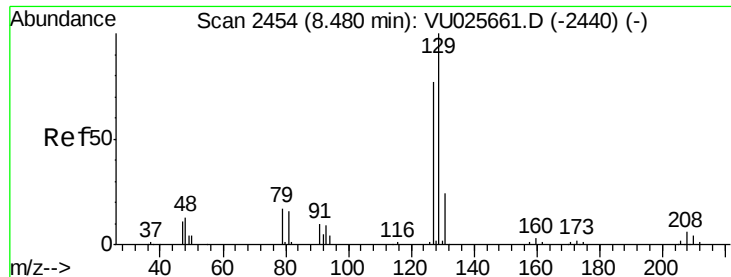
MMDadoda
7/31/2018 3:47:41 PM



#59
2-Hexanone
Concen: 3.64 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Tgt Ion: 43 Resp: 10182
Ion Ratio Lower Upper
43 100
58 50.8 26.2 78.5





#60

Dibromochloromethane

Concen: 1.09 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 2661

Ion Ratio Lower Upper

129 100

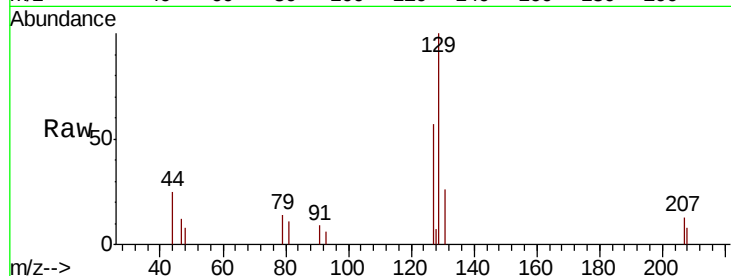
127 62.6 38.6 115.8

Manual Integrations

APPROVED

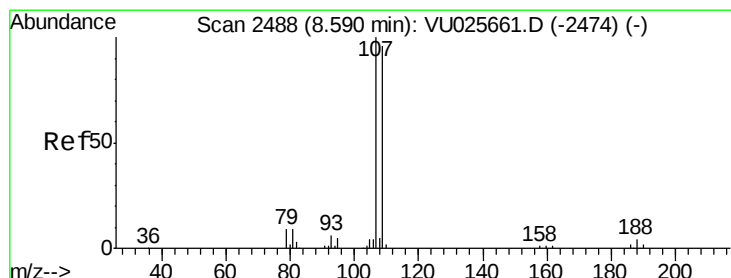
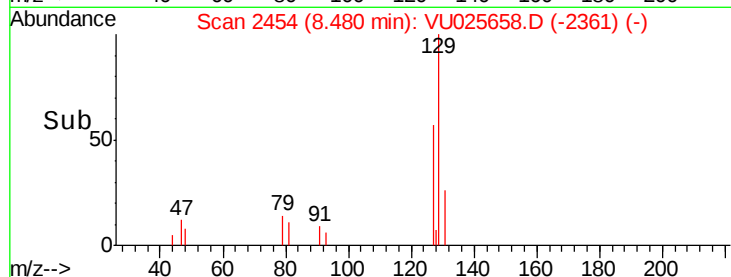
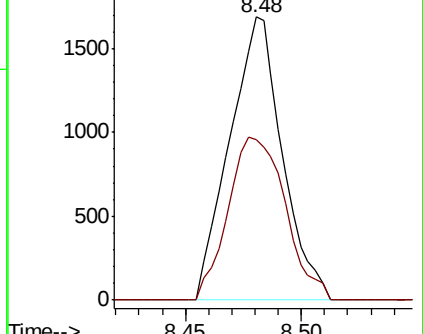
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.99 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU025658.D

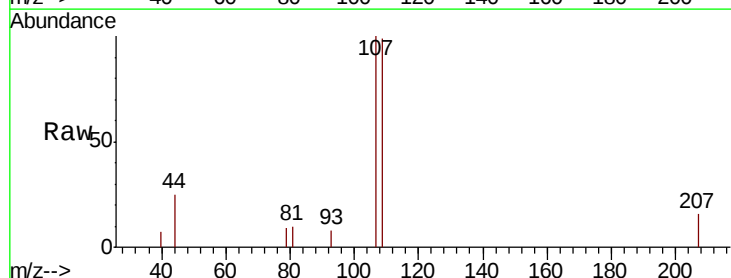
Acq: 27 Jul 2018 09:52

Tgt Ion:107 Resp: 2398

Ion Ratio Lower Upper

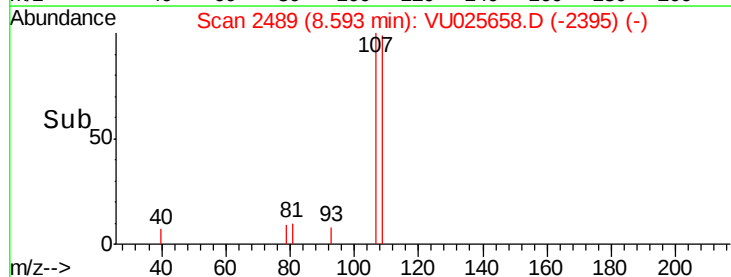
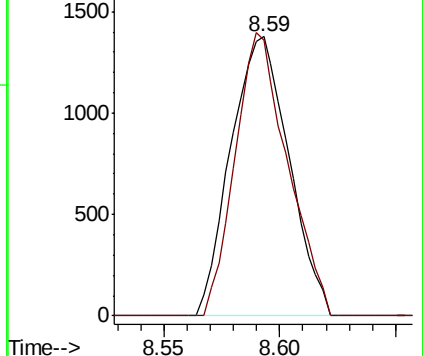
107 100

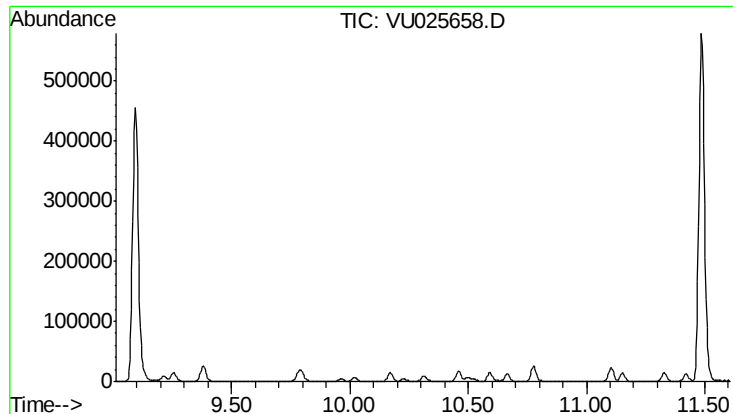
109 91.2 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





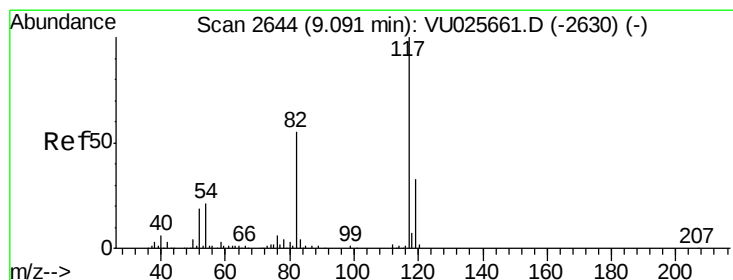
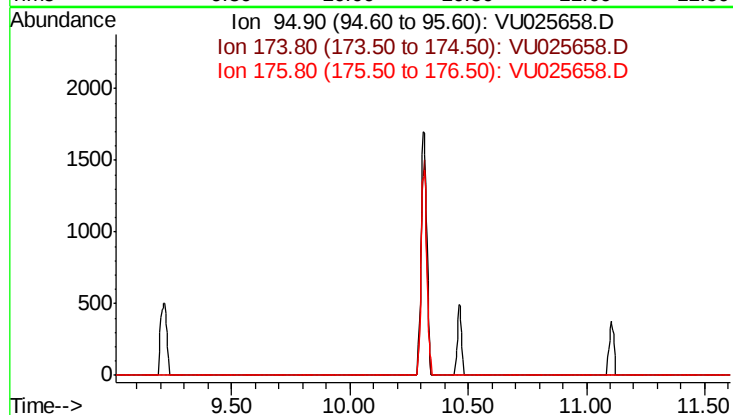
#62
 4-Bromofluorobenzene
 Concen: 0.00 ug/l
 Expected RT: 10.31 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	86.1
176	81.3

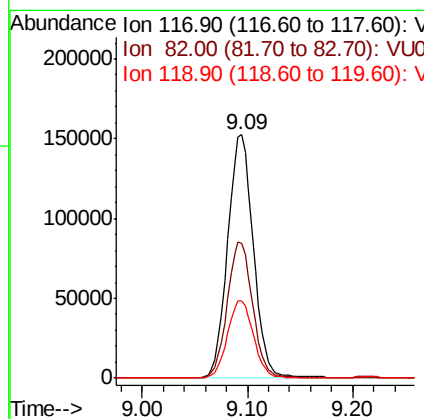
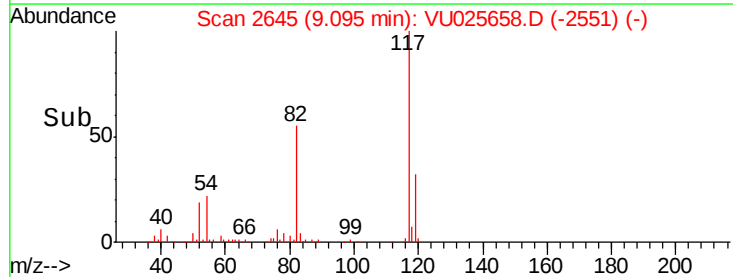
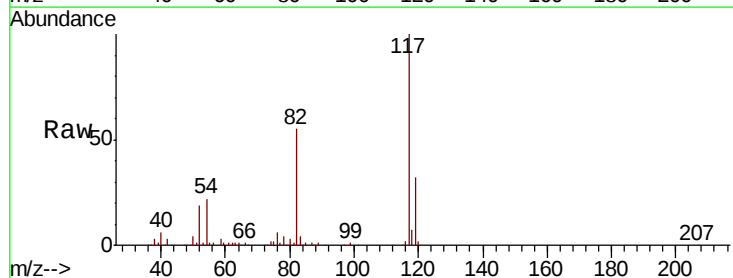
Manual Integrations
 APPROVED

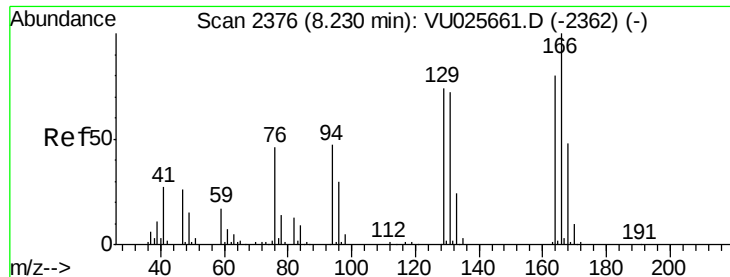
MMDadoda
 7/31/2018 3:47:41 PM



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Tgt Ion	117	Resp	256694
Ion Ratio	Lower	Upper	
117	100		
82	55.3	46.0	69.0
119	31.8	26.0	39.0





#64

Tetrachloroethene

Concen: 0.99 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 2323

Ion Ratio Lower Upper

164 100

166 127.5 101.1 151.7

129 103.3 73.0 109.6

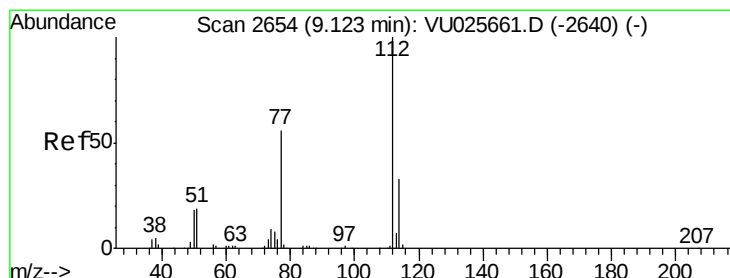
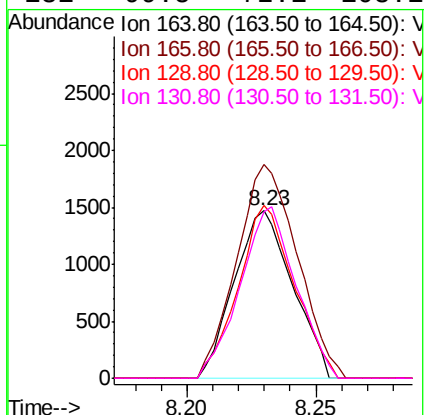
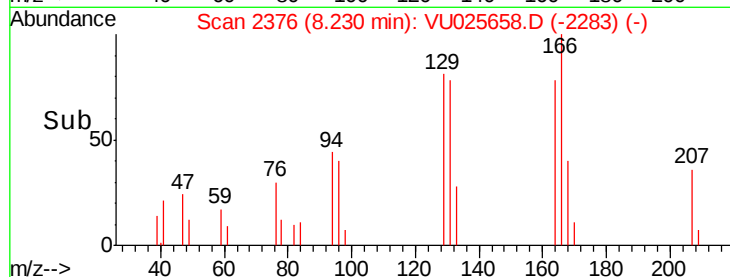
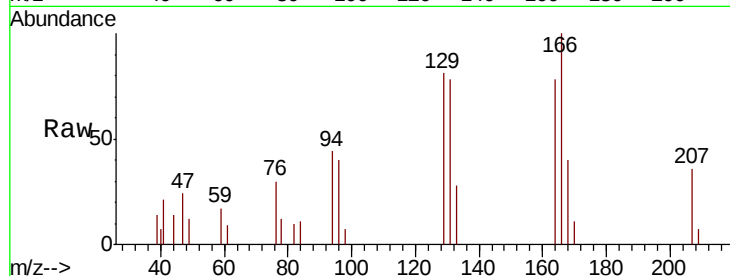
131 99.5 72.1 108.1

Manual Integrations

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#65

Chlorobenzene

Concen: 1.03 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025658.D

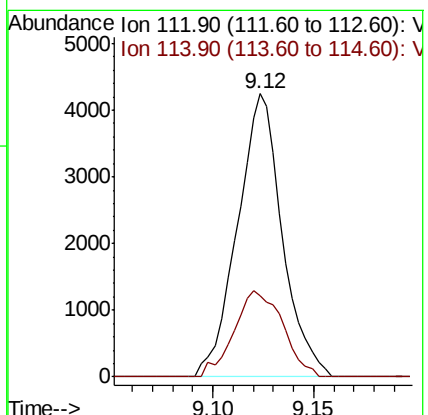
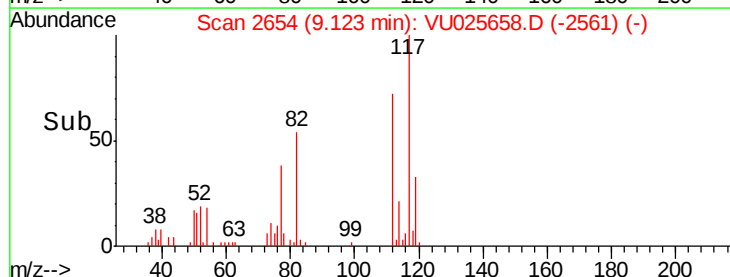
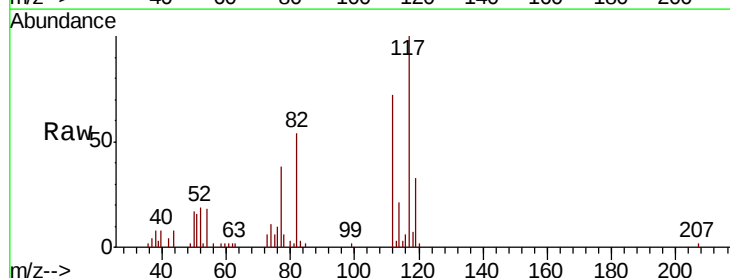
Acq: 27 Jul 2018 09:52

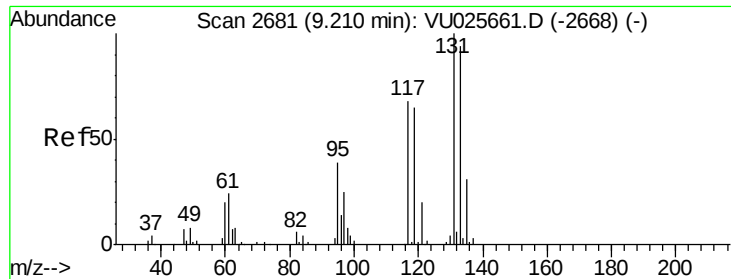
Tgt Ion:112 Resp: 6588

Ion Ratio Lower Upper

112 100

114 28.7 25.8 38.8





#66

1,1,1,2-Tetrachloroethane

Concen: 0.87 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

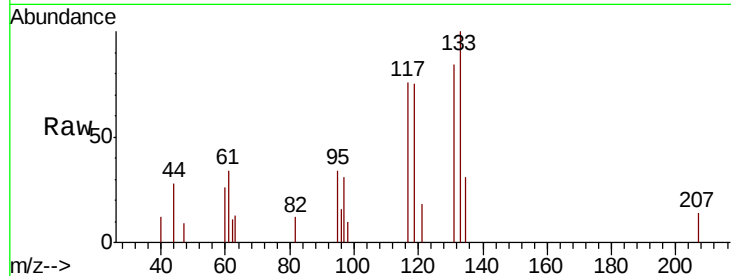
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	109.6	47.8	143.3
119	0.0	31.6	95.0#

Manual Integrations
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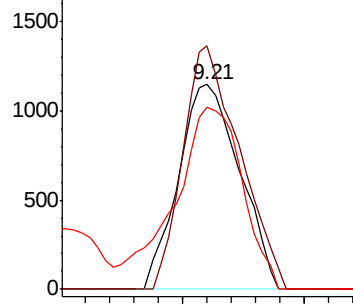
MMDadoda
7/31/2018 3:47:41 PM



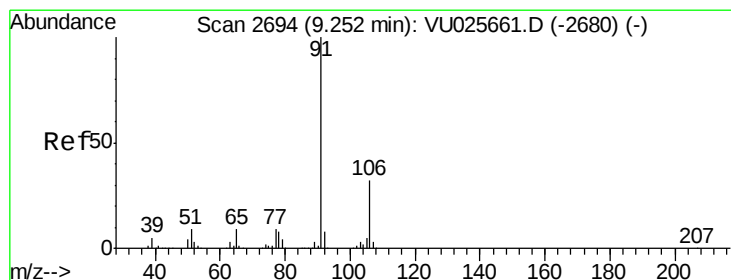
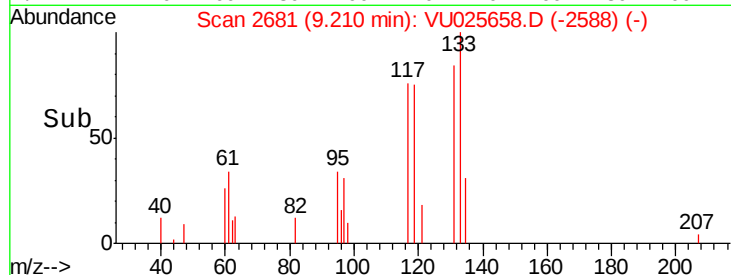
Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->



#67

Ethyl Benzene

Concen: 0.96 ug/l

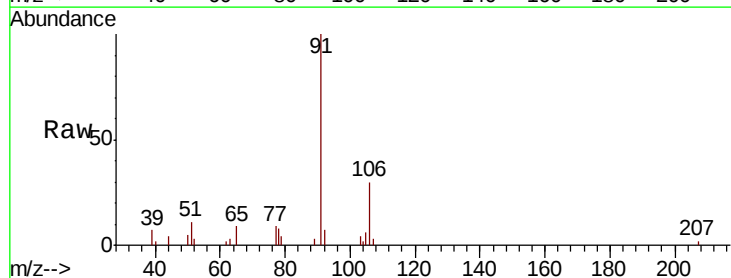
RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025658.D

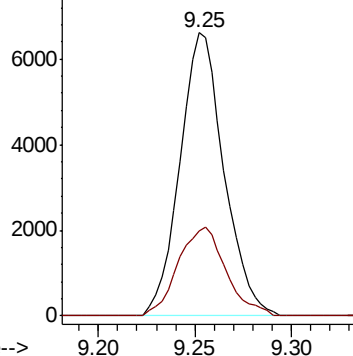
Acq: 27 Jul 2018 09:52

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	25.3	37.9

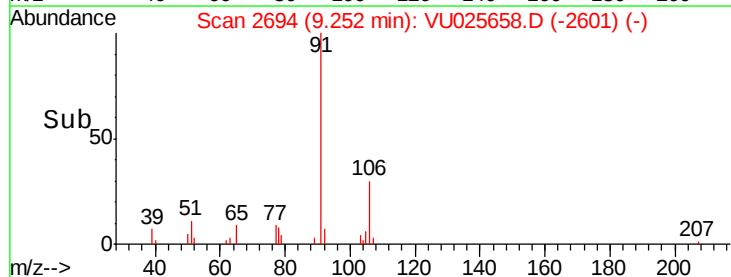


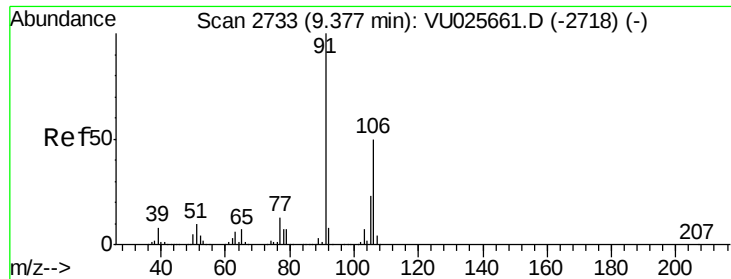
Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



Time-->





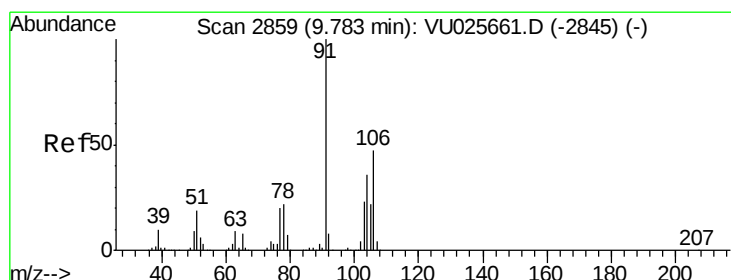
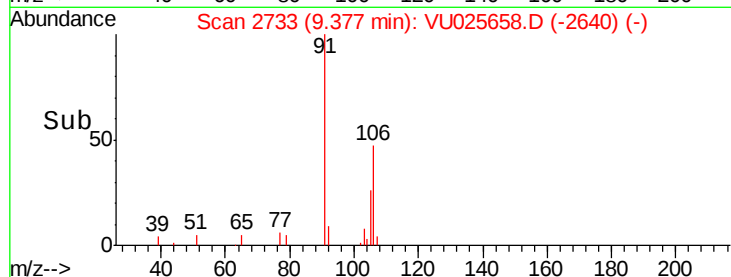
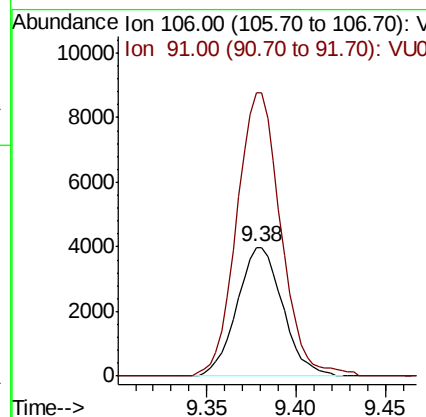
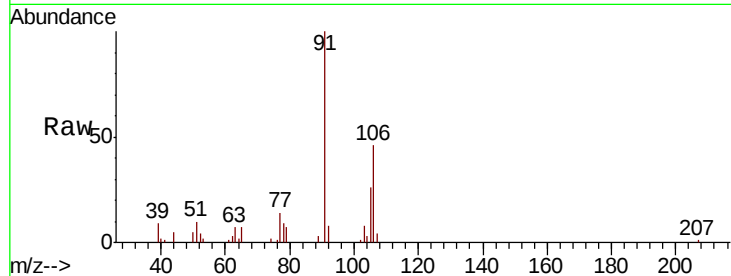
#68
m/p-Xylenes
Concen: 1.68 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.0	162.3	243.5	

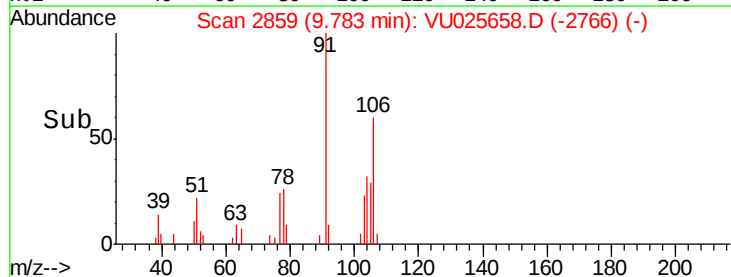
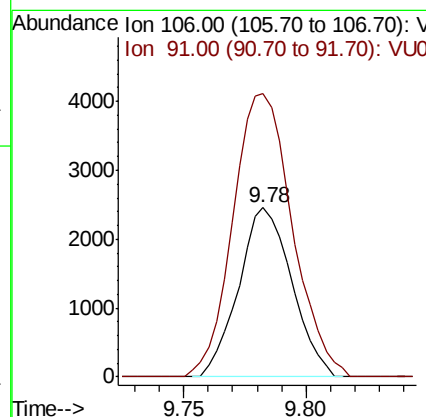
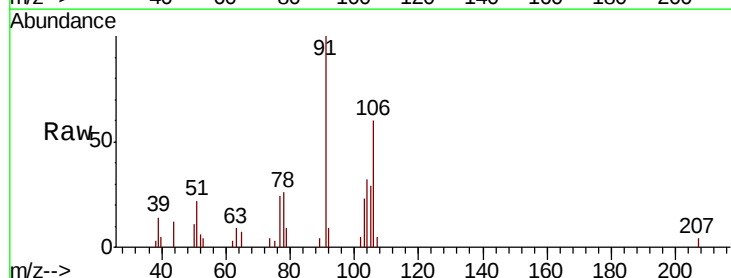
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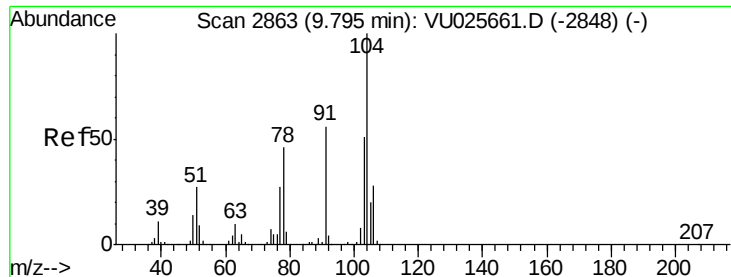
MMDadoda
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#69
o-Xylene
Concen: 0.88 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	186.9	105.3	315.8	





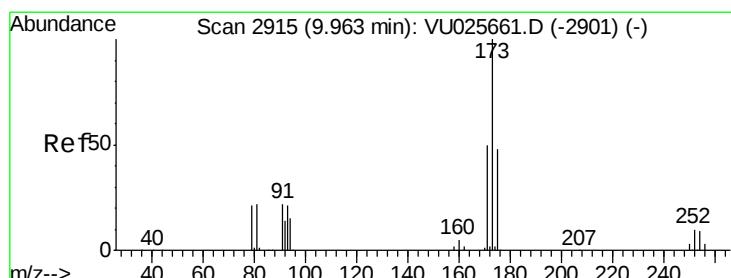
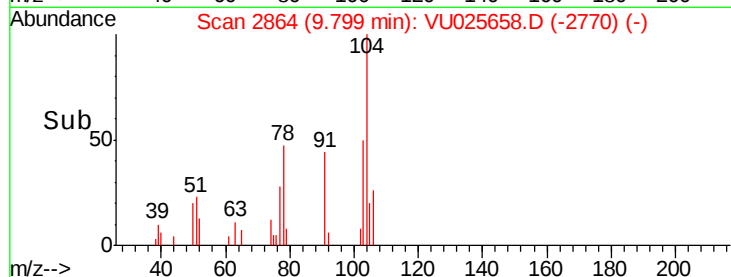
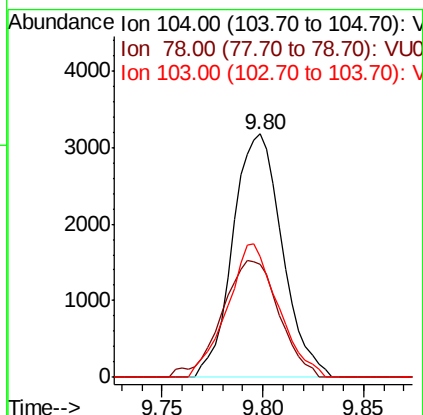
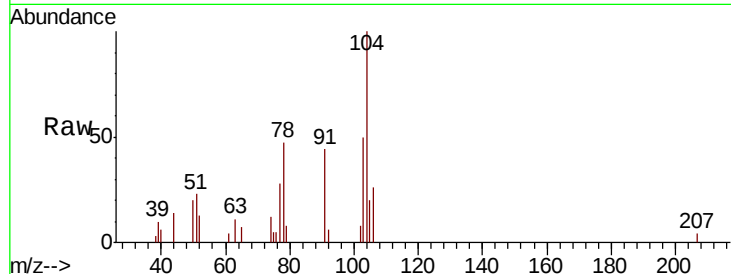
#70
Stvrene
Concen: 0.81 ug/l
RT: 9.80 min Scan# 2864
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.5	41.6	62.4
103	56.4	44.6	66.8

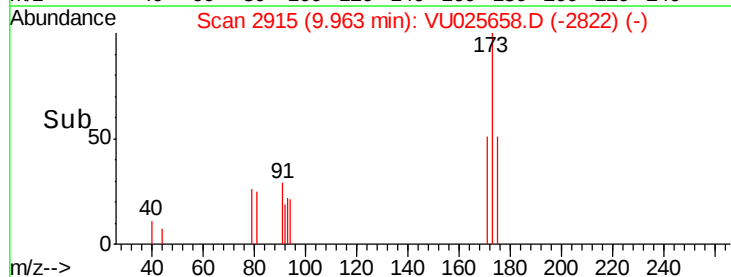
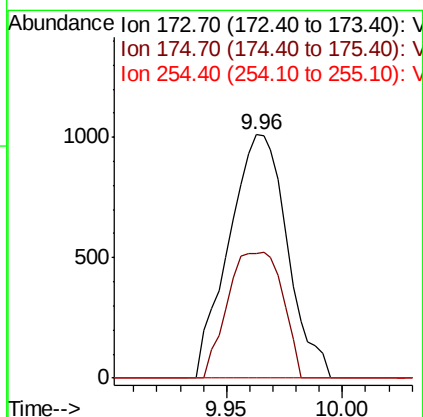
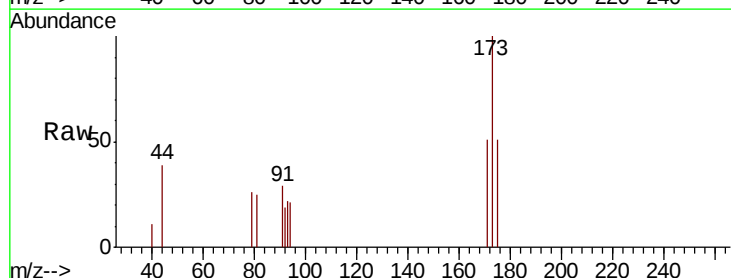
Manual Integrations
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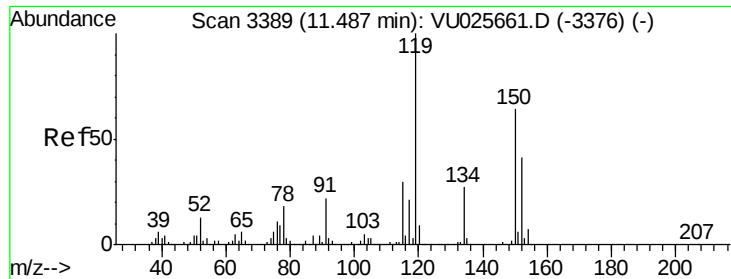
MMDadoda
7/31/2018 3:47:41 PM



#71
Bromoform
Concen: 0.89 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.0	72.0
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

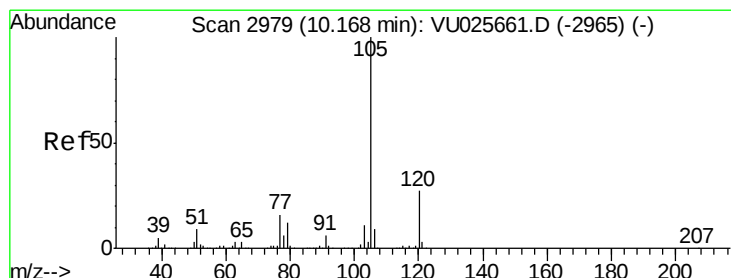
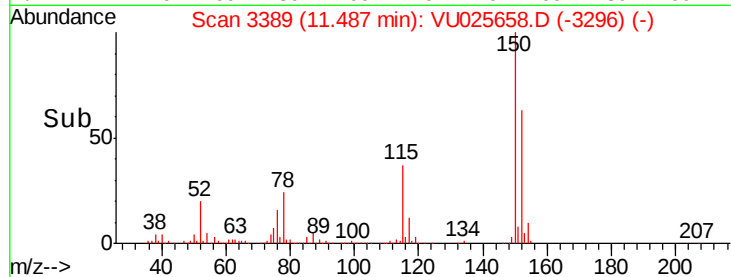
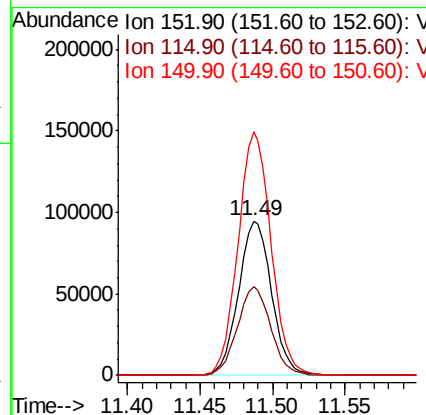
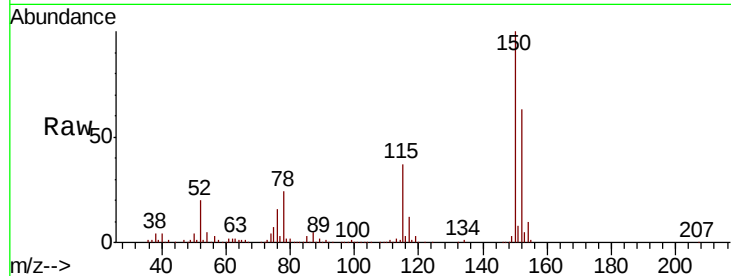
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.0	40.1	120.3
150	158.0	0.0	351.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 0.86 ug/l

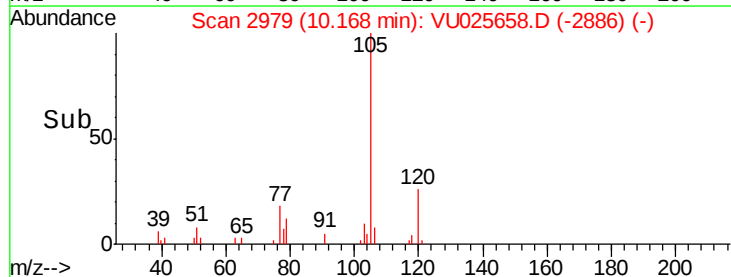
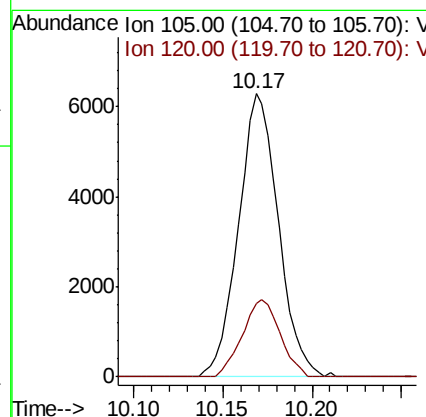
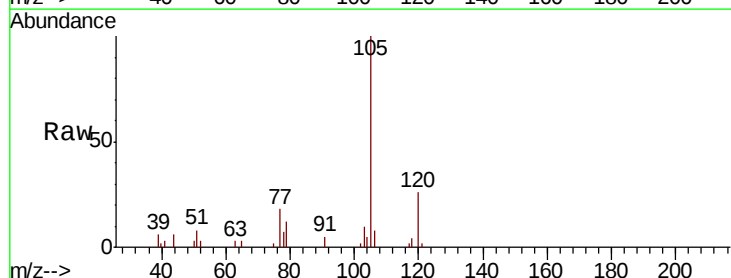
RT: 10.17 min Scan# 2979

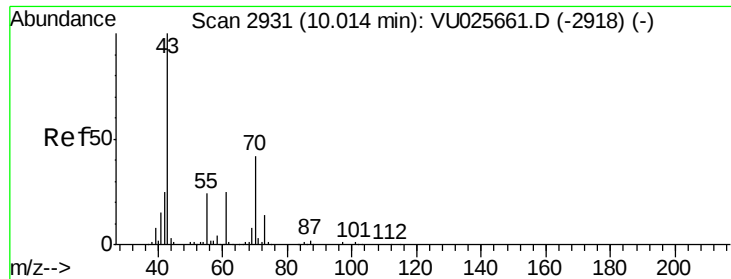
Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.5	40.5





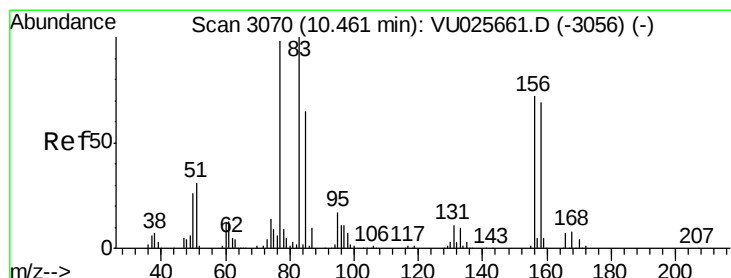
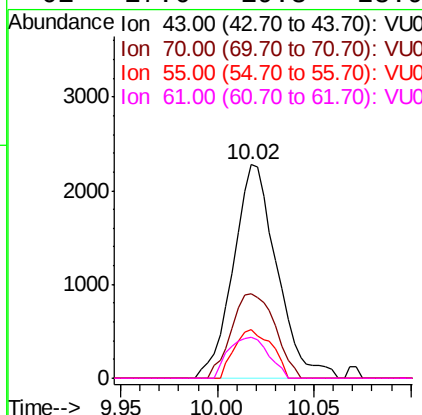
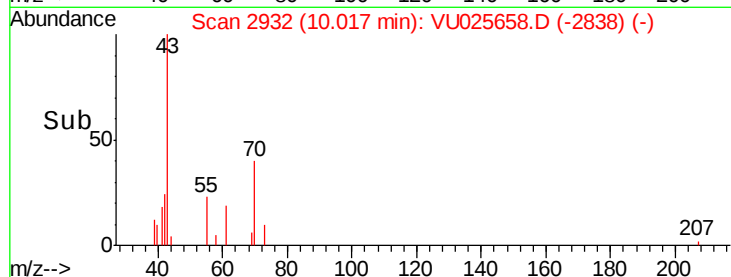
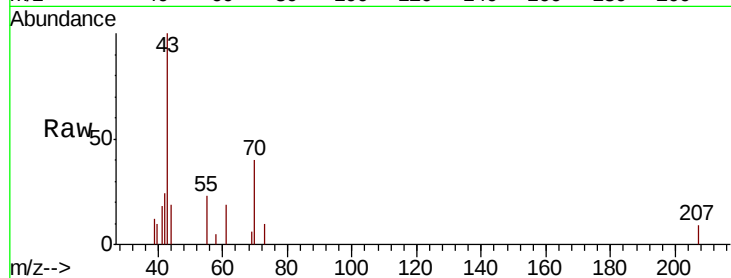
#74
N-amvl acetate
Concen: 0.72 ug/l
RT: 10.02 min Scan# 2932
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
70	39.5	33.4	50.2
55	19.4	19.0	28.6
61	17.6	19.3	28.9

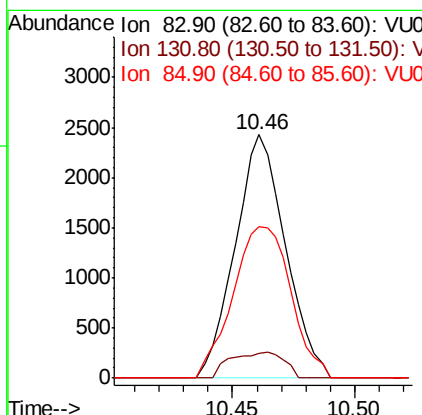
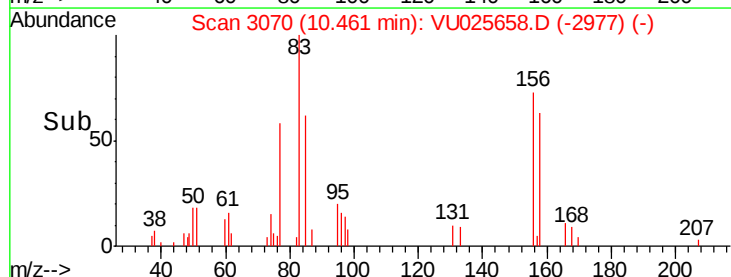
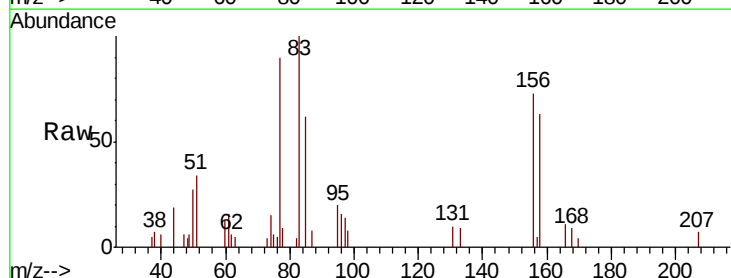
Manual Integrations
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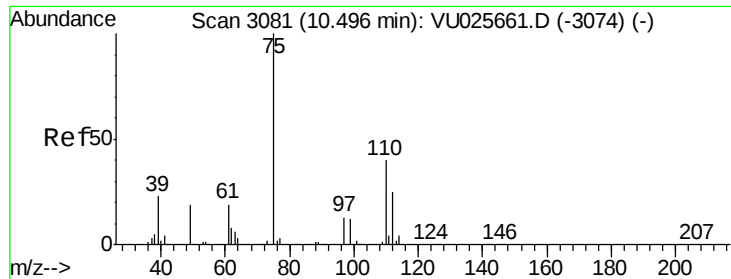
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#75
1,1,2,2-Tetrachloroethane
Concen: 0.93 ug/l
RT: 10.46 min Scan# 3070
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.5	16.4
85	71.7	31.6	94.8





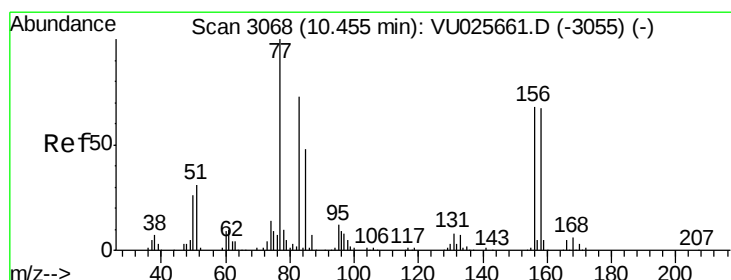
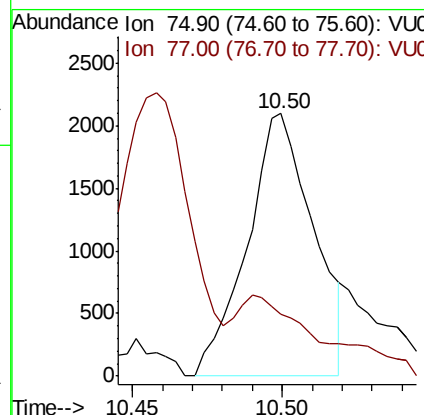
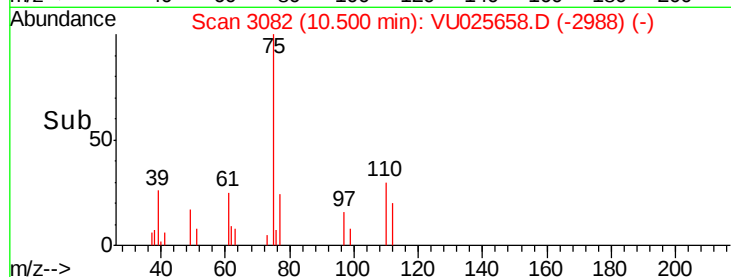
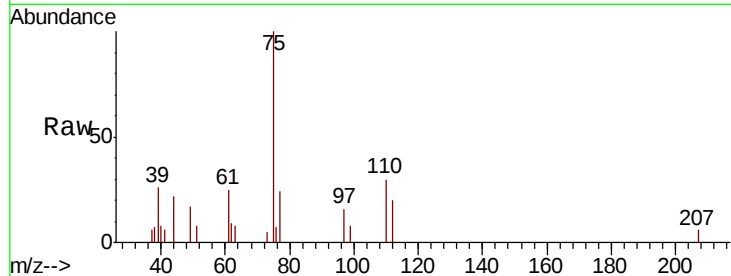
#76
 1,2,3-Trichloropropane
 Concen: 0.95 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 3237
 Ion Ratio Lower Upper
 75 100
 77 40.1 20.4 61.3

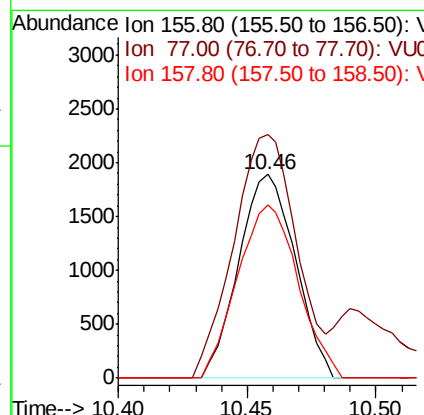
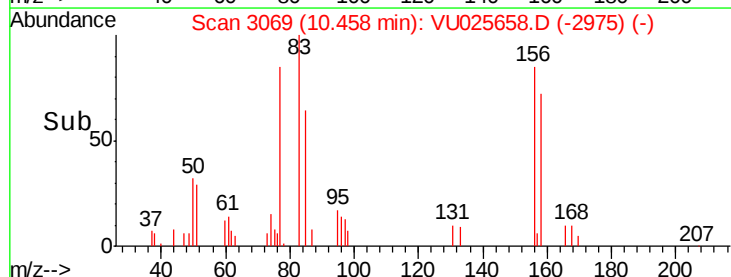
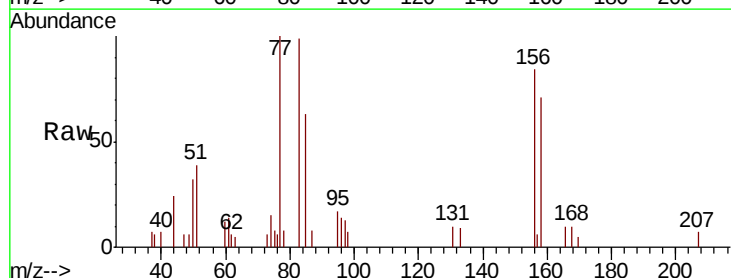
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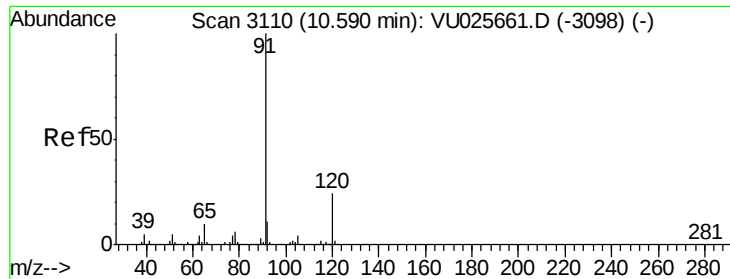
MMDadoda
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#77
 Bromobenzene
 Concen: 0.99 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Tgt Ion: 156 Resp: 2897
 Ion Ratio Lower Upper
 156 100
 77 133.1 73.8 221.4
 158 90.9 48.0 144.0





#78

n-propylbenzene

Concen: 0.88 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 11192

Ion Ratio Lower Upper

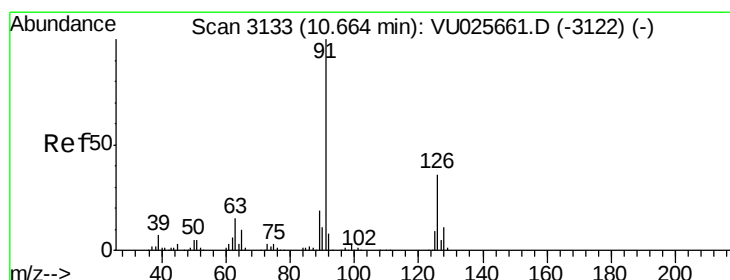
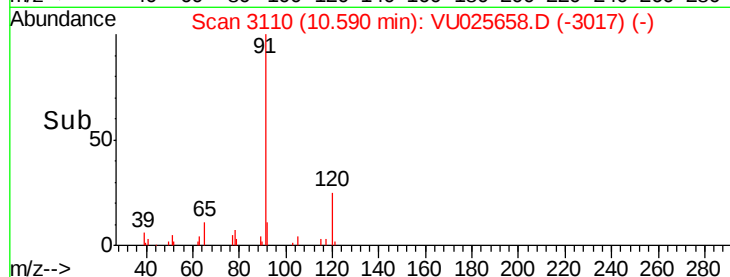
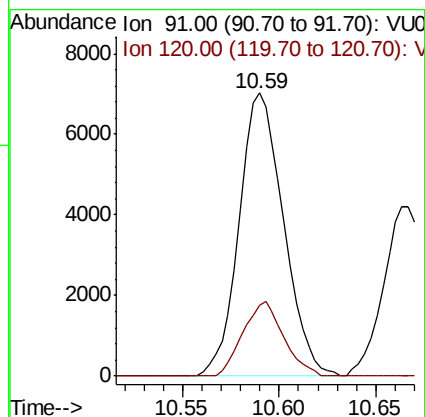
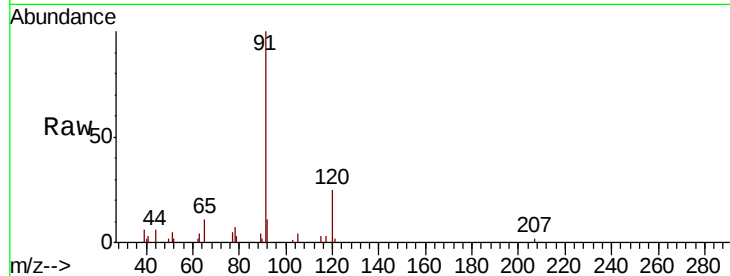
91 100

120 24.2 11.8 35.3

Manual Integrations
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#79

2-Chlorotoluene

Concen: 0.84 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025658.D

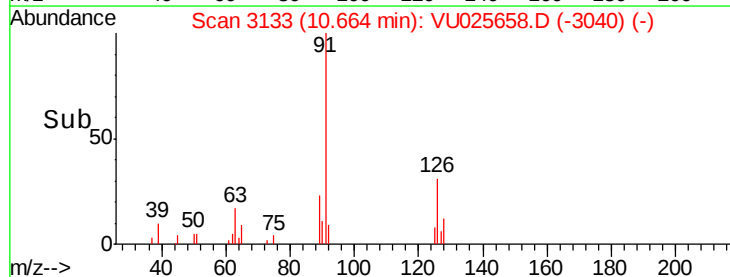
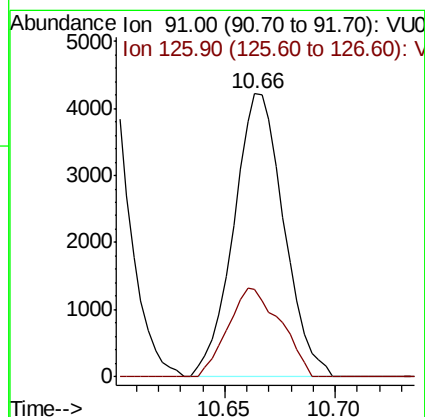
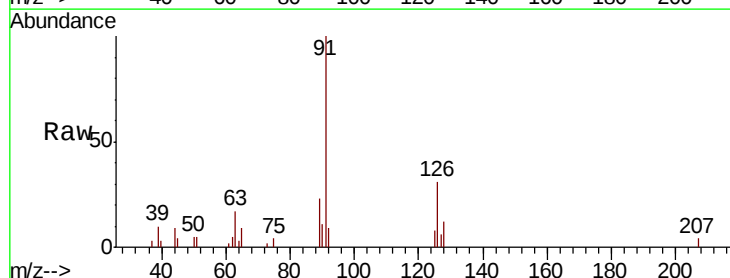
Acq: 27 Jul 2018 09:52

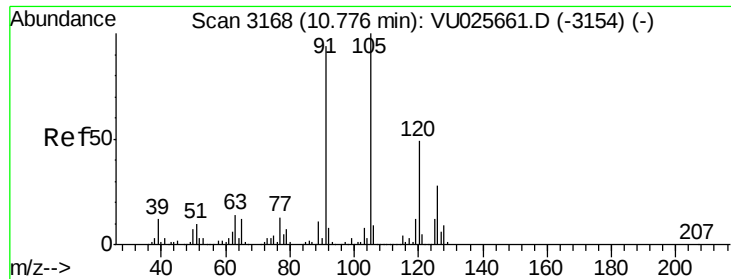
Tgt Ion: 91 Resp: 6683

Ion Ratio Lower Upper

91 100

126 32.8 17.5 52.6





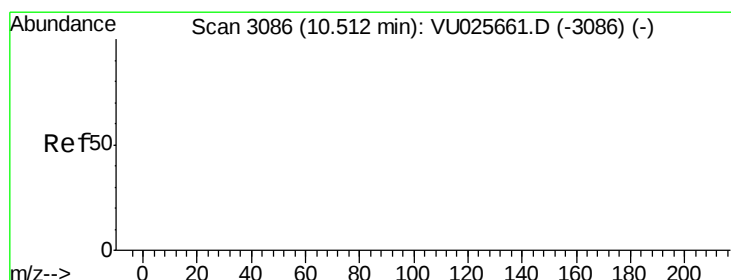
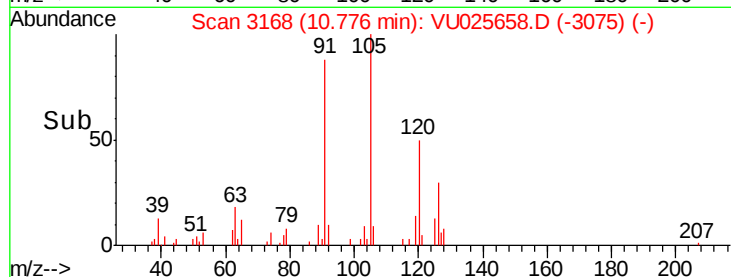
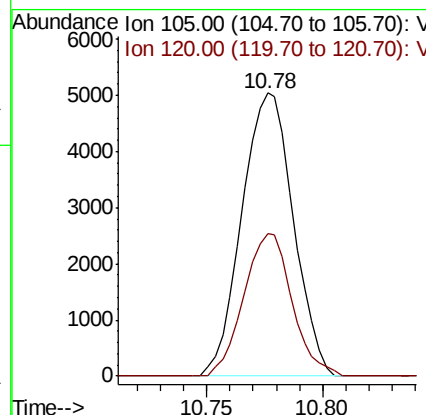
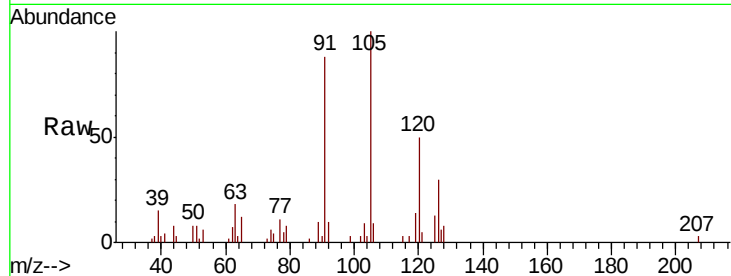
#80
 1,3,5-Trimethylbenzene
 Concen: 0.81 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 7767
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.1 72.2

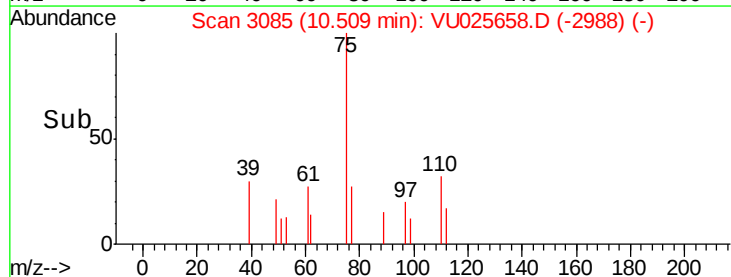
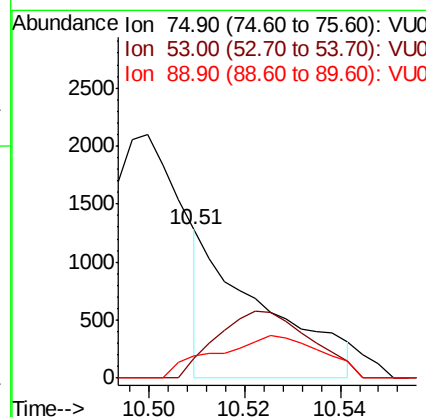
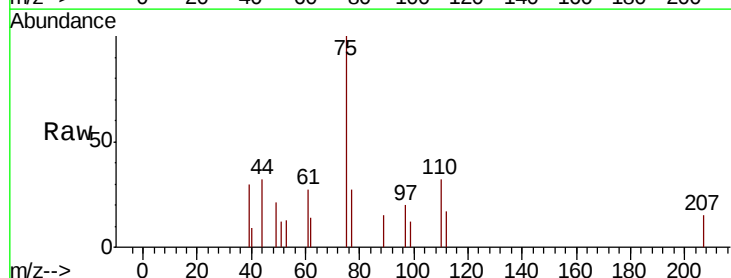
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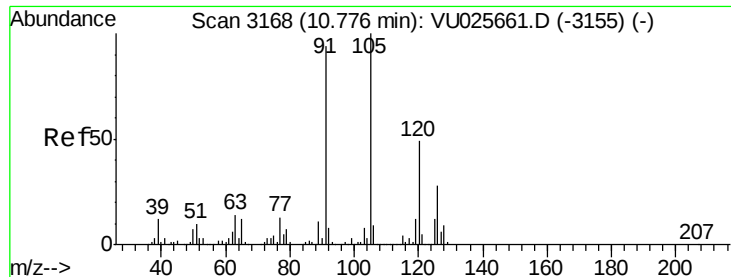
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.96 ug/l m
 RT: 10.51 min Scan# 3085
 Delta R.T. 0.01 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Tgt Ion: 75 Resp: 1142
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





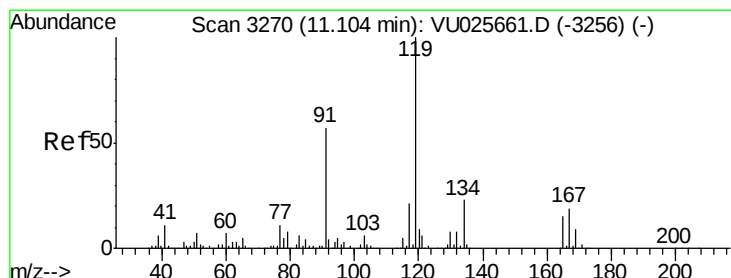
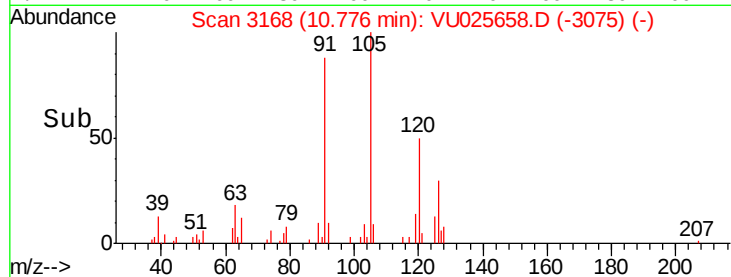
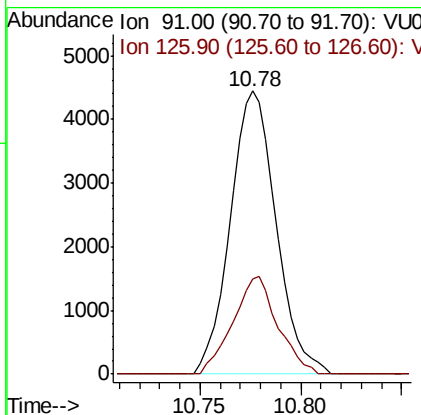
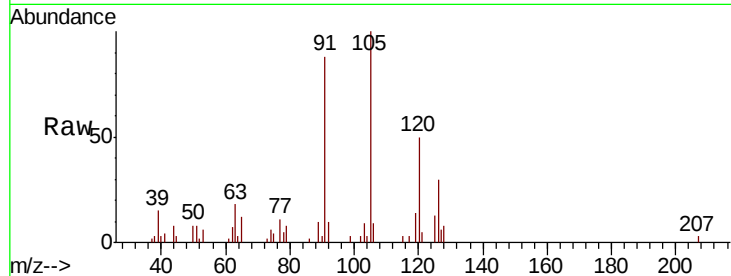
#82
4-Chlorotoluene
Concen: 0.79 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.7	15.3	45.9

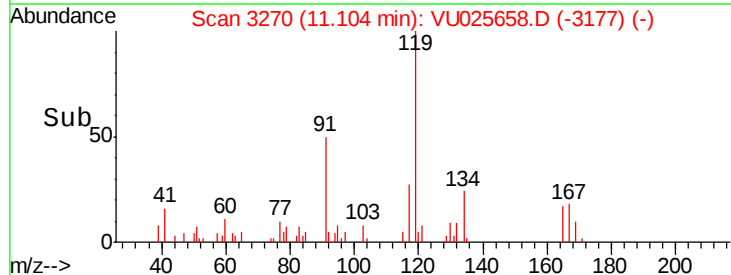
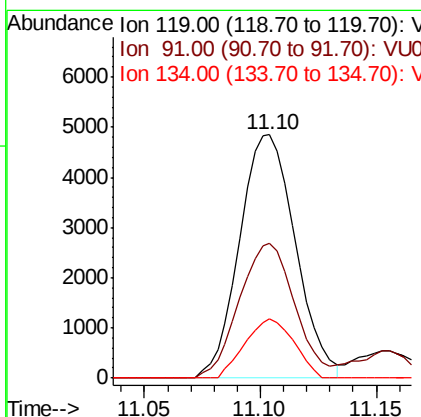
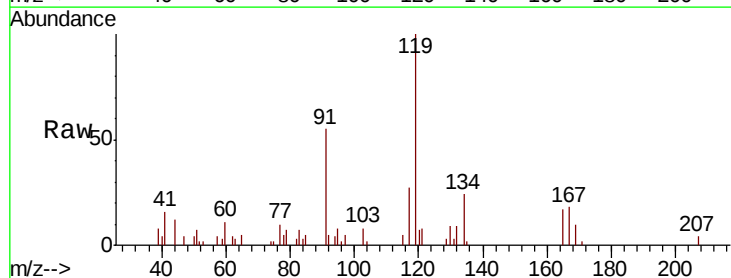
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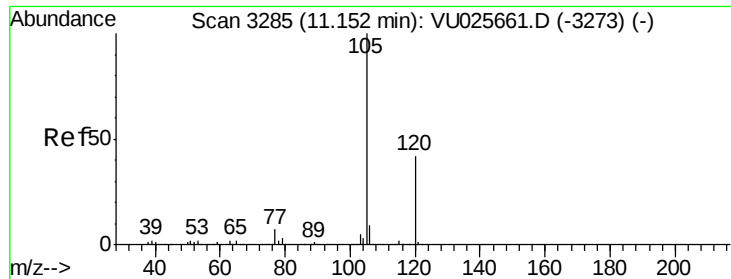
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#83
tert-Butylbenzene
Concen: 0.84 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025658.D
Acq: 27 Jul 2018 09:52

Tgt Ion	Ratio	Lower	Upper
119	100		
91	54.7	29.7	89.1
134	21.2	11.5	34.5





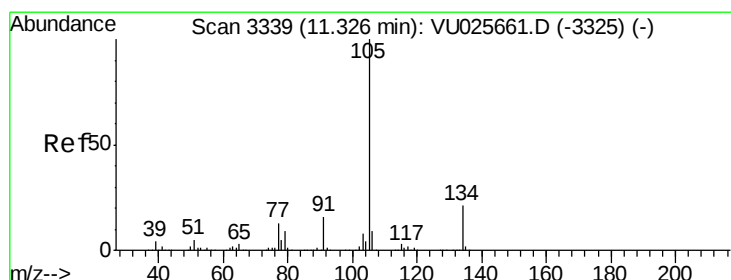
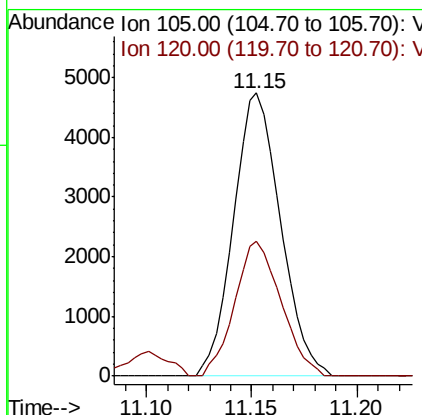
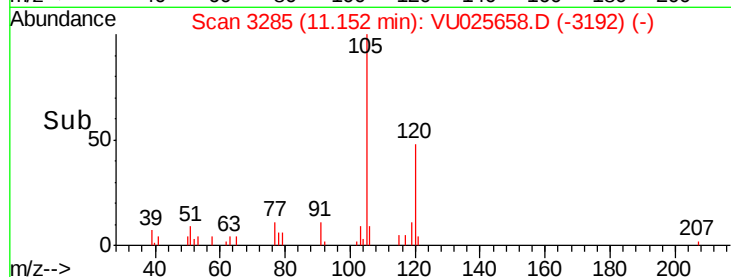
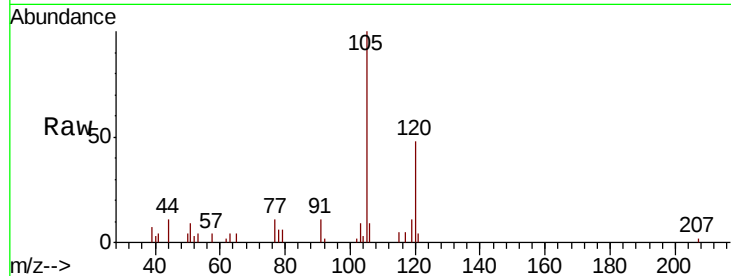
#84
 1,2,4-Trimethylbenzene
 Concen: 0.75 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 7362
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.3 66.8

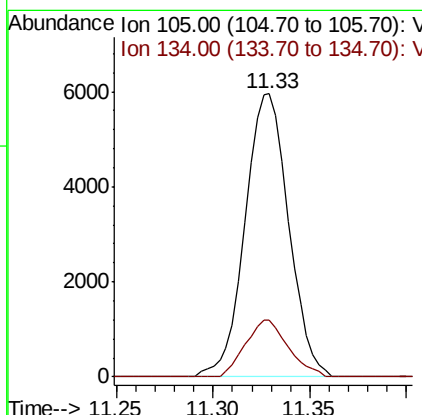
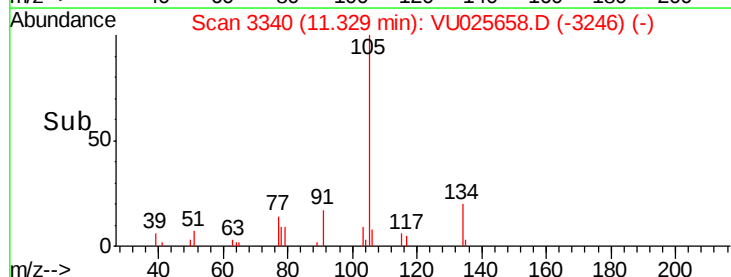
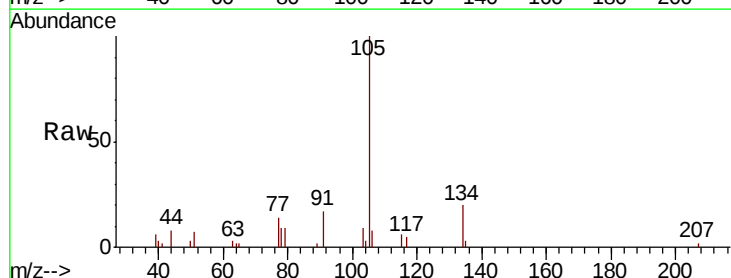
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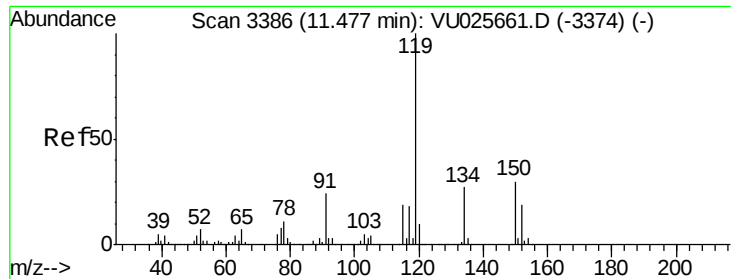
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#85
 sec-Butylbenzene
 Concen: 0.82 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Tgt Ion:105 Resp: 9360
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.3 30.8





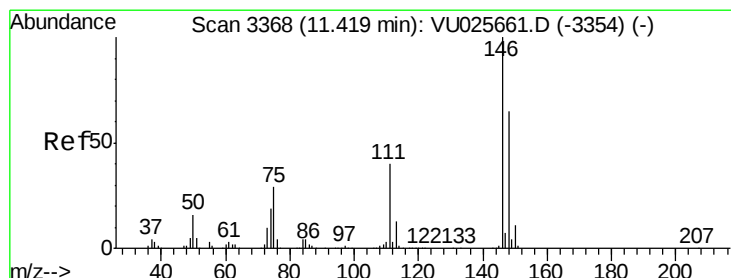
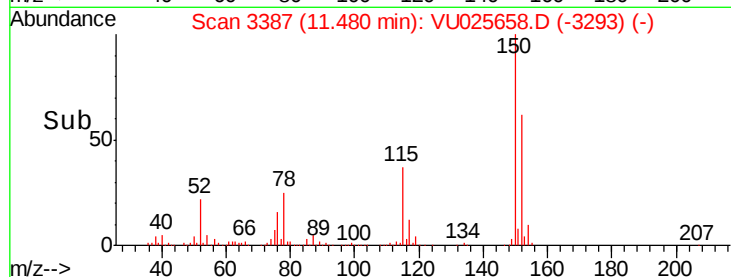
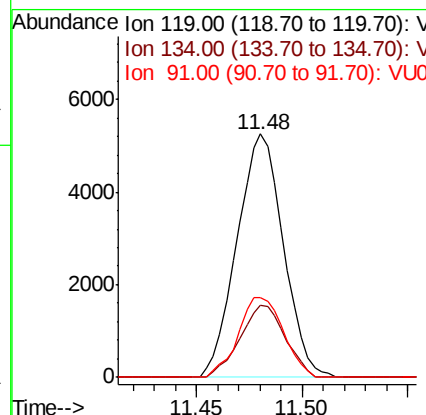
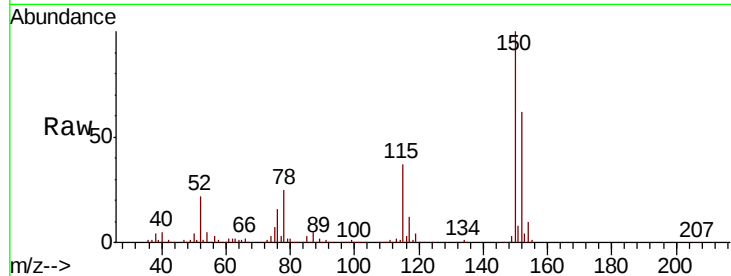
#86
 p-Isopropyltoluene
 Concen: 0.79 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.9	13.2	39.5
91	32.1	12.0	36.1

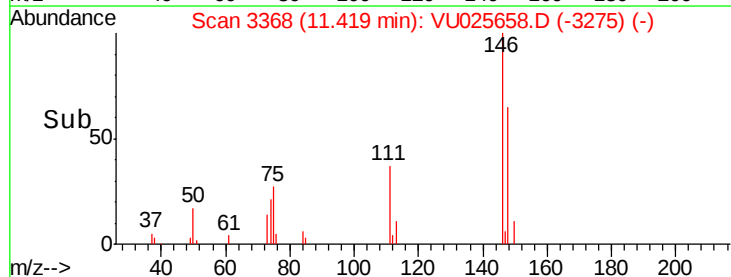
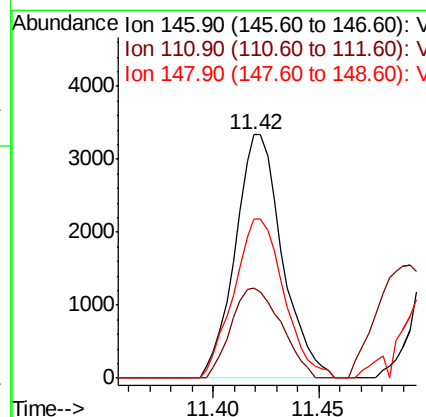
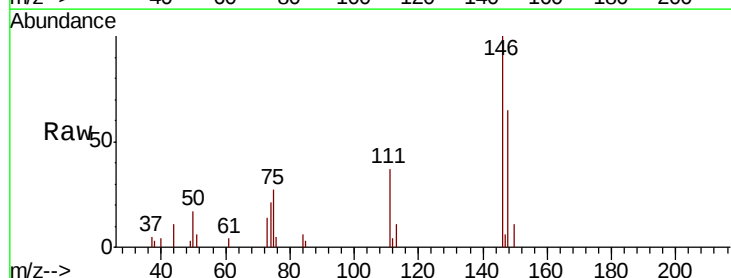
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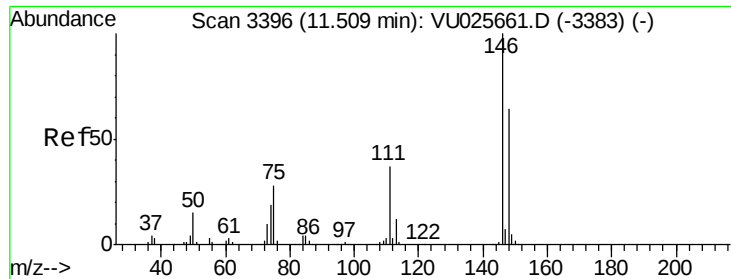
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#87
 1,3-Dichlorobenzene
 Concen: 0.97 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	69.7	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 1.07 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

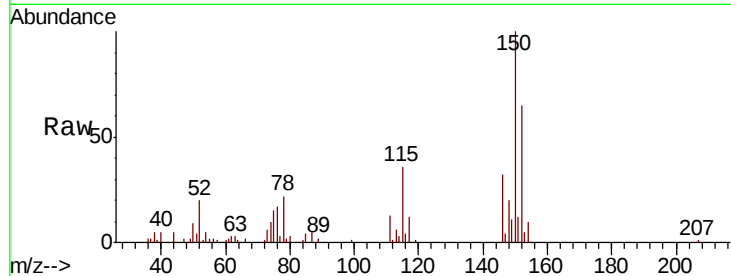
ClientSampleId :

VSTDIC001

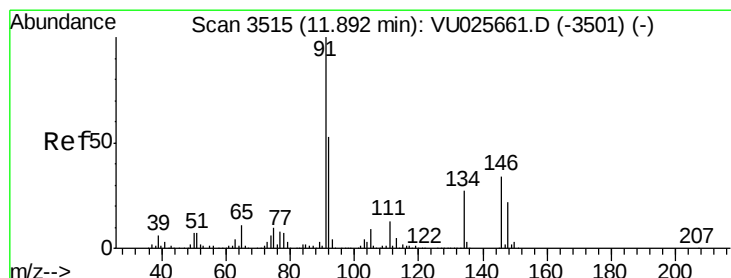
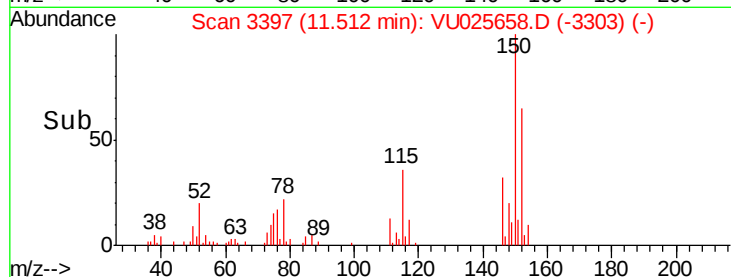
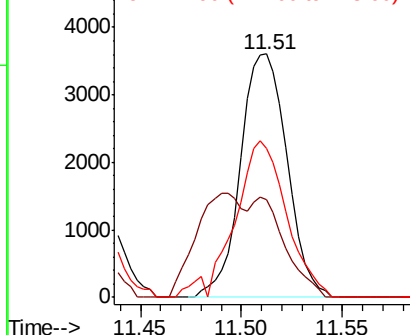
Tot Ion:	146	Resp:	5843
Ion	Ratio	Lower	Upper
146	100		
111	43.9	19.4	58.1
148	71.2	31.7	95.1

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.91 ug/l

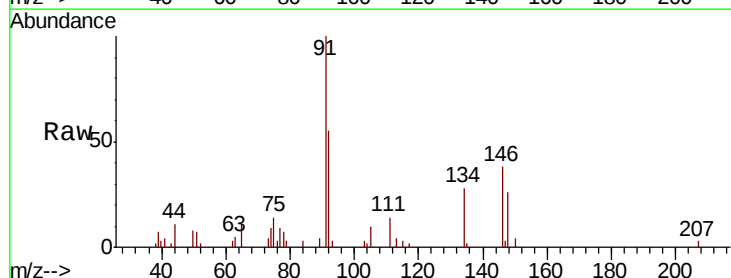
RT: 11.90 min Scan# 3516

Delta R.T. 0.00 min

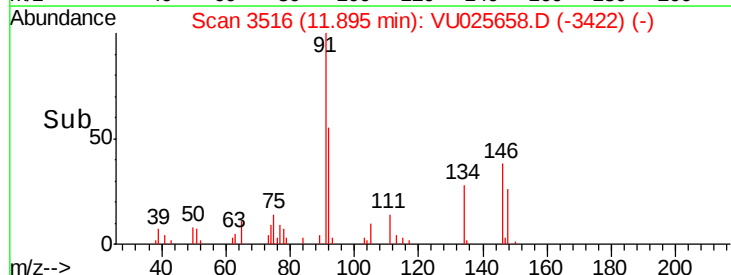
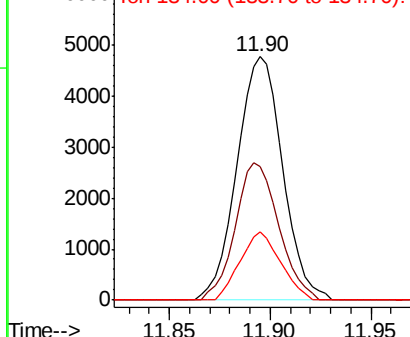
Lab File: VU025658.D

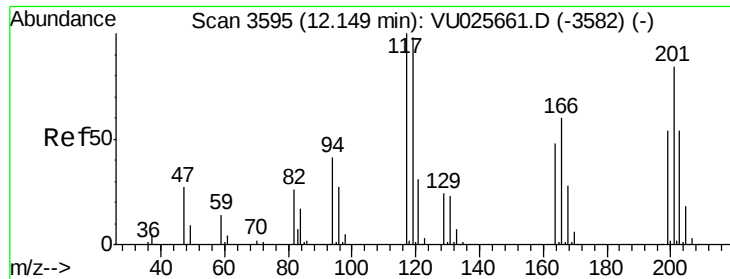
Acq: 27 Jul 2018 09:52

Tgt Ion:	91	Resp:	7587
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.5	79.5
134	25.0	13.6	40.7



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.87 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:117 Resp: 1495

Ion Ratio Lower Upper

117 100

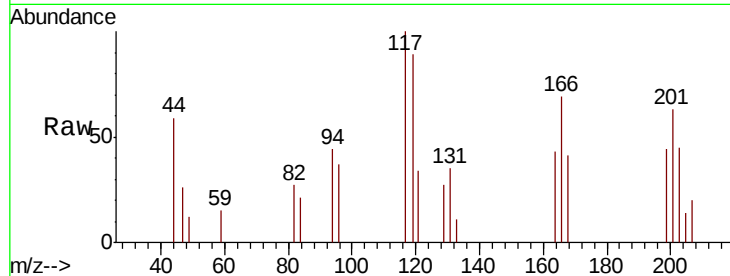
201 79.9 42.5 127.6

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.15

1200

1000

800

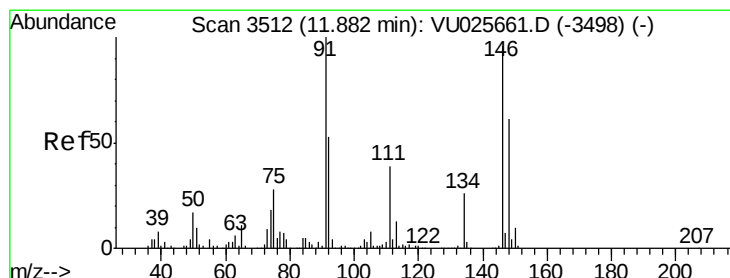
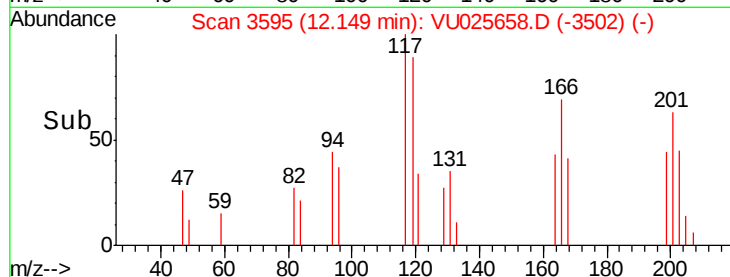
600

400

200

0

Time--> 12.10 12.15



#91

1,2-Dichlorobenzene

Concen: 0.90 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

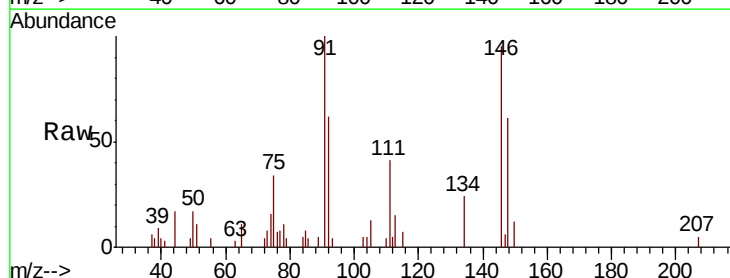
Tgt Ion:146 Resp: 4849

Ion Ratio Lower Upper

146 100

111 41.6 20.6 61.8

148 68.8 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

11.89

4000

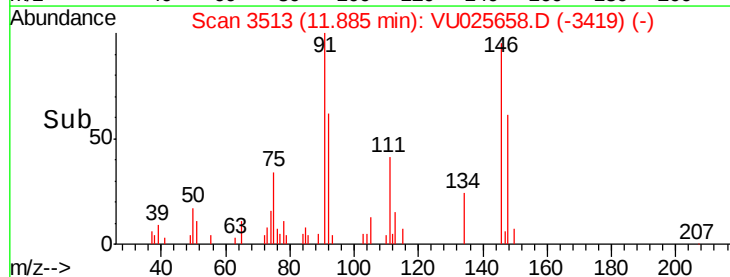
3000

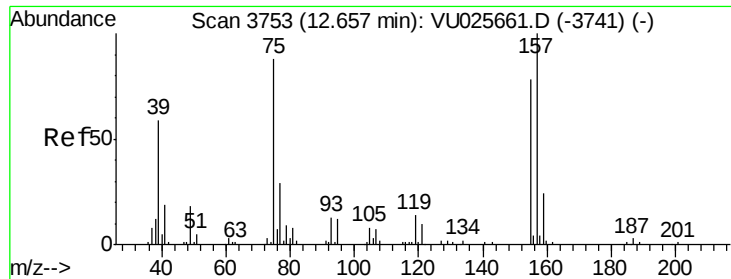
2000

1000

0

Time--> 11.85 11.90





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.88 ug/l m

RT: 12.67 min Scan# 3756

Delta R.T. 0.01 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

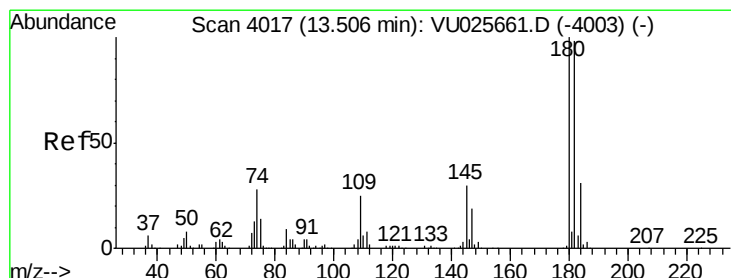
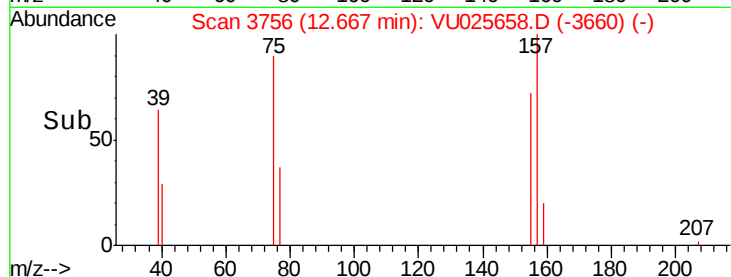
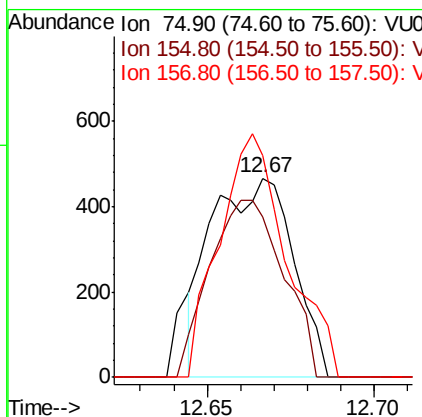
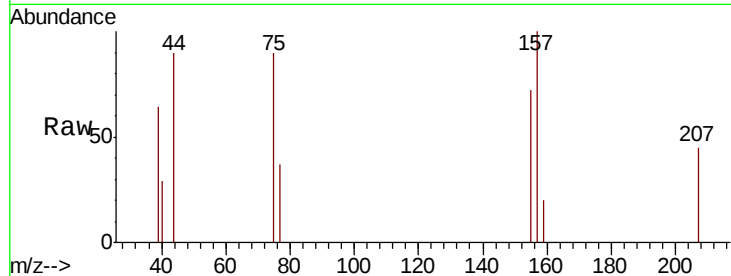
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	795
Ion	Ratio	Lower	Upper
75	100		
155	80.8	44.5	133.3
157	100.9	57.0	170.8

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#93

1,2,4-Trichlorobenzene

Concen: 0.80 ug/l

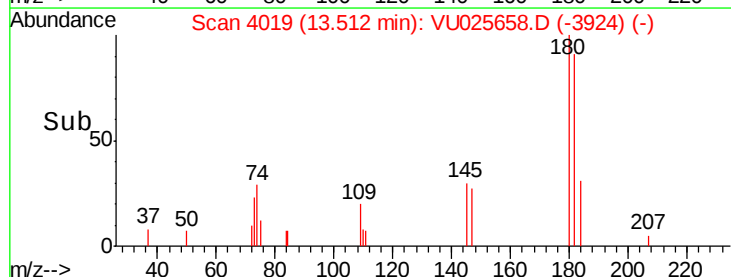
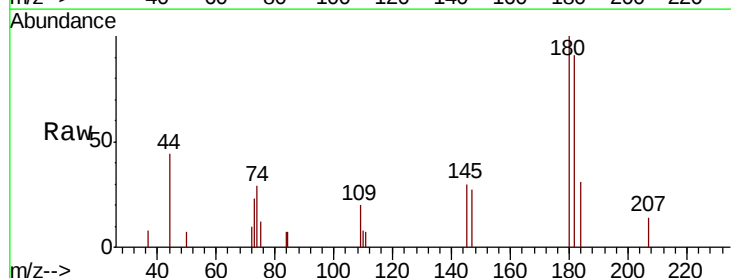
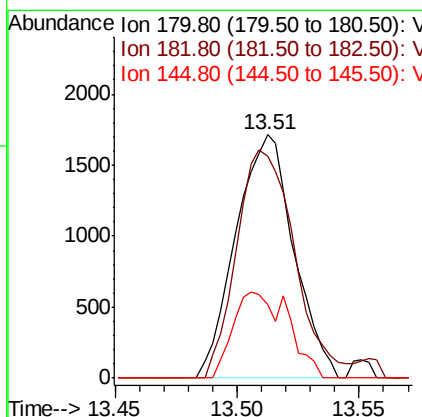
RT: 13.51 min Scan# 4019

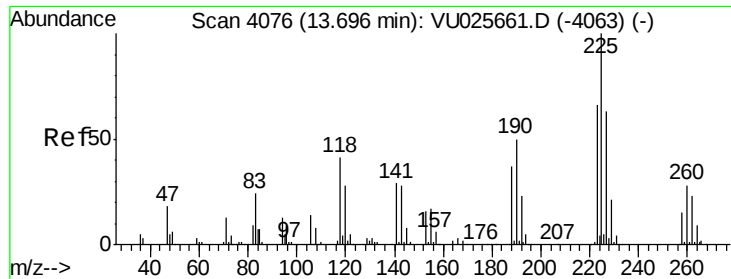
Delta R.T. 0.01 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Tgt Ion:	180	Resp:	2819
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.9
145	33.8	14.9	44.7





#94

Hexachlorobutadiene

Concen: 0.95 ug/l

RT: 13.70 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VU025658.D

Acq: 27 Jul 2018 09:52

Instrument :

MSVOA_U

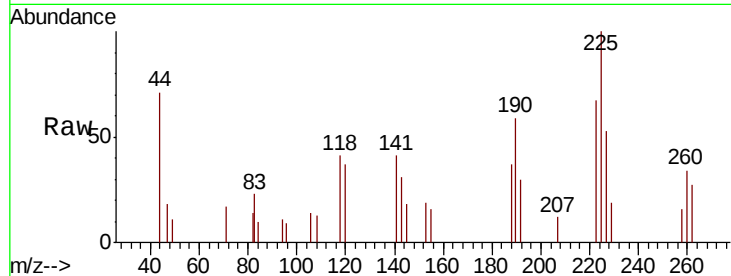
ClientSampleId :

VSTDIC001

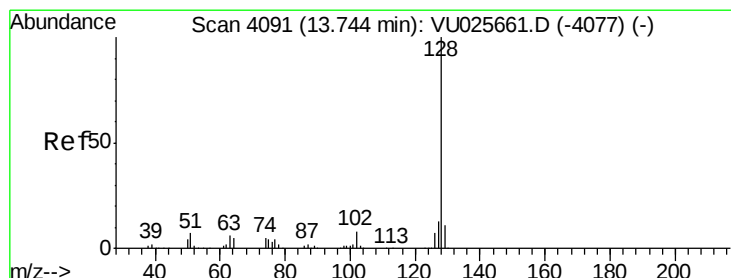
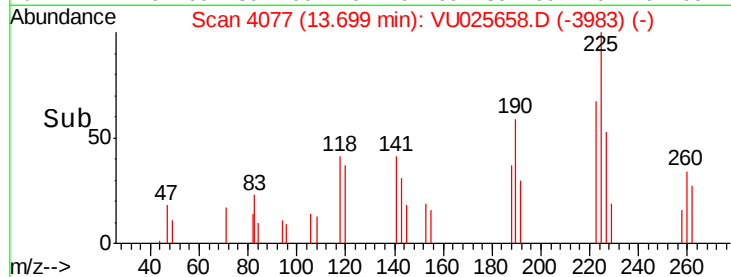
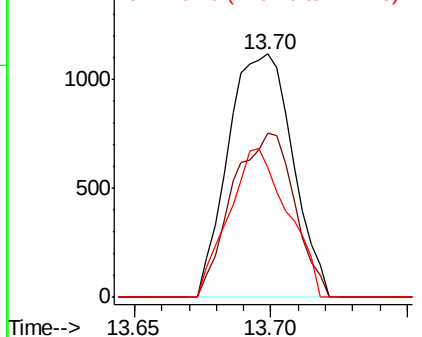
Tot Ion:	225	Resp:	1834
Ion Ratio	Lower	Upper	
225	100		
223	65.0	31.9	95.7
227	55.8	32.3	96.9

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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: 0.53 ug/l

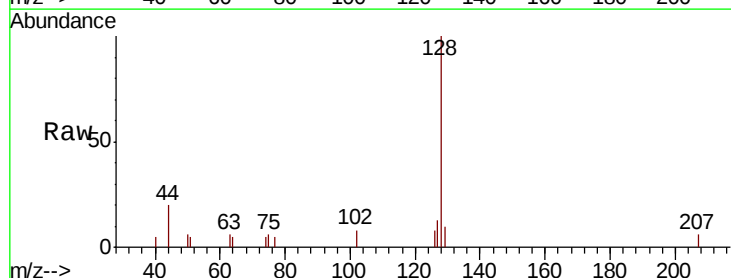
RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

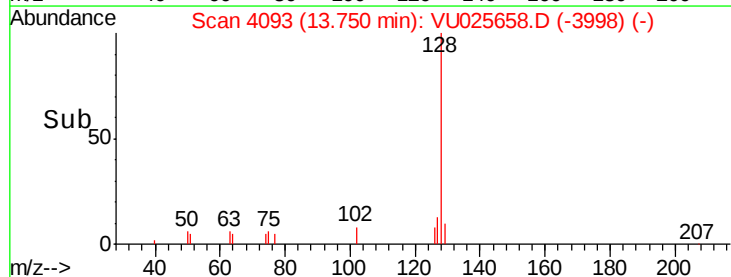
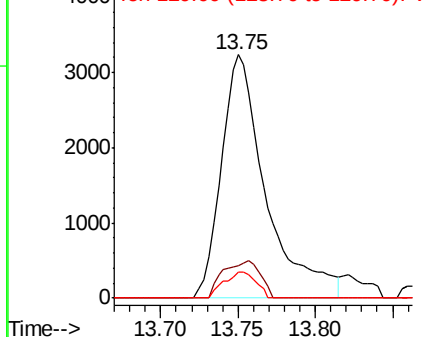
Lab File: VU025658.D

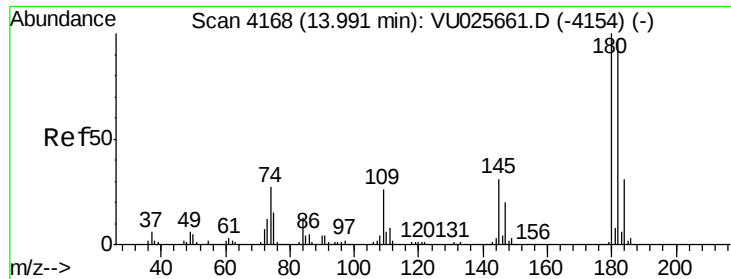
Acq: 27 Jul 2018 09:52

Tgt Ion:	128	Resp:	6449
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	7.7	8.3	12.5#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.72 ug/l
 RT: 14.00 min Scan# 4170
 Delta R.T. 0.01 min
 Lab File: VU025658.D
 Acq: 27 Jul 2018 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	110.9	47.8	143.3
145	29.8	15.6	46.8

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