

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025770.D
 Acq On : 01 Aug 2018 12:30
 Operator : MD/SY
 Sample : VU0801MBSD02
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:44:57 AM

Quant Time: Aug 02 04:10:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	171436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	260294	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	251442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155954	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138128	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
35) Dibromofluoromethane	4.89	113	113211	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	7.57	98	403771	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	10.31	95	153044	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	58273	22.490	ug/l	96
3) Chloromethane	1.33	50	50327	20.321	ug/l	97
4) Vinyl Chloride	1.40	62	48678	20.886	ug/l	99
5) Bromomethane	1.63	94	24407	21.441	ug/l	98
6) Chloroethane	1.70	64	27897	20.470	ug/l	99
7) Trichlorofluoromethane	1.89	101	70485	20.917	ug/l	97
8) Diethyl Ether	2.10	74	24415	20.025	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	42347	21.716	ug/l	98
10) Methyl Iodide	2.41	142	33381	23.793	ug/l	97
11) Tert butyl alcohol	2.83	59	63704	108.930	ug/l	100
12) 1,1-Dichloroethene	2.28	96	39210	21.301	ug/l	96
13) Acrolein	2.19	56	23574	110.170	ug/l	99
14) Allyl chloride	2.59	41	65476	19.794	ug/l	98
15) Acrylonitrile	2.94	53	126065	107.966	ug/l	99
16) Acetone	2.32	43	128703	98.827	ug/l	98
17) Carbon Disulfide	2.48	76	118432	19.880	ug/l	99
18) Methyl Acetate	2.62	43	79962	25.510	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	141111	21.155	ug/l	98
20) Methylene Chloride	2.70	84	45838	19.861	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	43952	20.656	ug/l	100
22) Diisopropyl ether	3.57	45	141902	21.769	ug/l	93
23) Vinyl Acetate	3.53	43	590794	103.998	ug/l	99
24) 1,1-Dichloroethane	3.45	63	83104	21.238	ug/l	99
25) 2-Butanone	4.27	43	186509	105.206	ug/l	99
26) 2,2-Dichloropropane	4.23	77	75897	21.340	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	49513	20.639	ug/l	98
28) Bromochloromethane	4.55	49	35887	20.512	ug/l	99
29) Tetrahydrofuran	4.64	42	113940	107.278	ug/l	100
30) Chloroform	4.68	83	86945	21.050	ug/l	99
31) Cyclohexane	5.00	56	72360	20.459	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	80601	21.675	ug/l	98
36) 1,1-Dichloropropene	5.14	75	61465	20.206	ug/l	98
37) Ethyl Acetate	4.38	43	65487	20.762	ug/l	98
38) Carbon Tetrachloride	5.14	117	70623	20.497	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	72389	20.769	ug/l	98
40) Benzene	5.39	78	181409	20.402	ug/l	99
41) Methacrylonitrile	4.54	41	38020	21.702	ug/l	98
42) 1,2-Dichloroethane	5.41	62	71508	20.885	ug/l	100
43) Isopropyl Acetate	5.55	43	107721	20.667	ug/l	99
44) Trichloroethene	6.19	130	50955	20.577	ug/l	100
45) 1,2-Dichloropropane	6.44	63	48056	20.723	ug/l	99
46) Dibromomethane	6.56	93	34996	20.827	ug/l	97
47) Bromodichloromethane	6.76	83	66536	20.759	ug/l	98
48) Methyl methacrylate	6.63	41	54277	21.247	ug/l	97
49) 1,4-Dioxane	6.61	88	27487	442.159	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	344143	105.462	ug/l	100
52) Toluene	7.64	92	114437	20.716	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	74516	20.705	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	77766	21.036	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	47448	20.668	ug/l	99
56) Ethyl methacrylate	8.02	69	68754	20.961	ug/l	97
57) 1,3-Dichloropropane	8.25	76	80552	20.865	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	135966	96.025	ug/l	100
59) 2-Hexanone	8.36	43	269600	105.397	ug/l	99
60) Dibromochloromethane	8.48	129	55666	20.562	ug/l	99
61) 1,2-Dibromoethane	8.59	107	51535	20.185	ug/l	97
64) Tetrachloroethene	8.23	164	45961	20.767	ug/l	98
65) Chlorobenzene	9.12	112	131279	20.251	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	49845	21.254	ug/l	97
67) Ethyl Benzene	9.25	91	221695	20.645	ug/l	99
68) m/p-Xylenes	9.38	106	174983	42.444	ug/l	98
69) o-Xylene	9.78	106	84241	20.908	ug/l	99
70) Styrene	9.80	104	133549	20.520	ug/l	100
71) Bromoform	9.96	173	41918	20.614	ug/l #	98
73) Isopropylbenzene	10.17	105	225499	21.185	ug/l	98
74) N-amyl acetate	10.01	43	93805	21.587	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	76659	20.826	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	67091m	19.525	ug/l	
77) Bromobenzene	10.45	156	61935	21.095	ug/l	98
78) n-propylbenzene	10.59	91	262980	21.168	ug/l	99
79) 2-Chlorotoluene	10.66	91	157616	21.660	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	194900	21.560	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	29608m	21.606	ug/l	
82) 4-Chlorotoluene	10.78	91	185192	21.590	ug/l	100
83) tert-Butylbenzene	11.10	119	192149	21.394	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	198708	21.692	ug/l	97
85) sec-Butylbenzene	11.33	105	230818	21.049	ug/l	100
86) p-Isopropyltoluene	11.48	119	210077	21.395	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	113527	20.832	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	113582	19.994	ug/l	98
89) n-Butylbenzene	11.89	91	186719	20.607	ug/l	98
90) Hexachloroethane	12.15	117	34697	19.874	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	110456	20.678	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18023	20.653	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	76311	21.167	ug/l	99
94) Hexachlorobutadiene	13.70	225	37534	19.750	ug/l	98
95) Naphthalene	13.74	128	228093	20.455	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	77459	21.538	ug/l	100

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

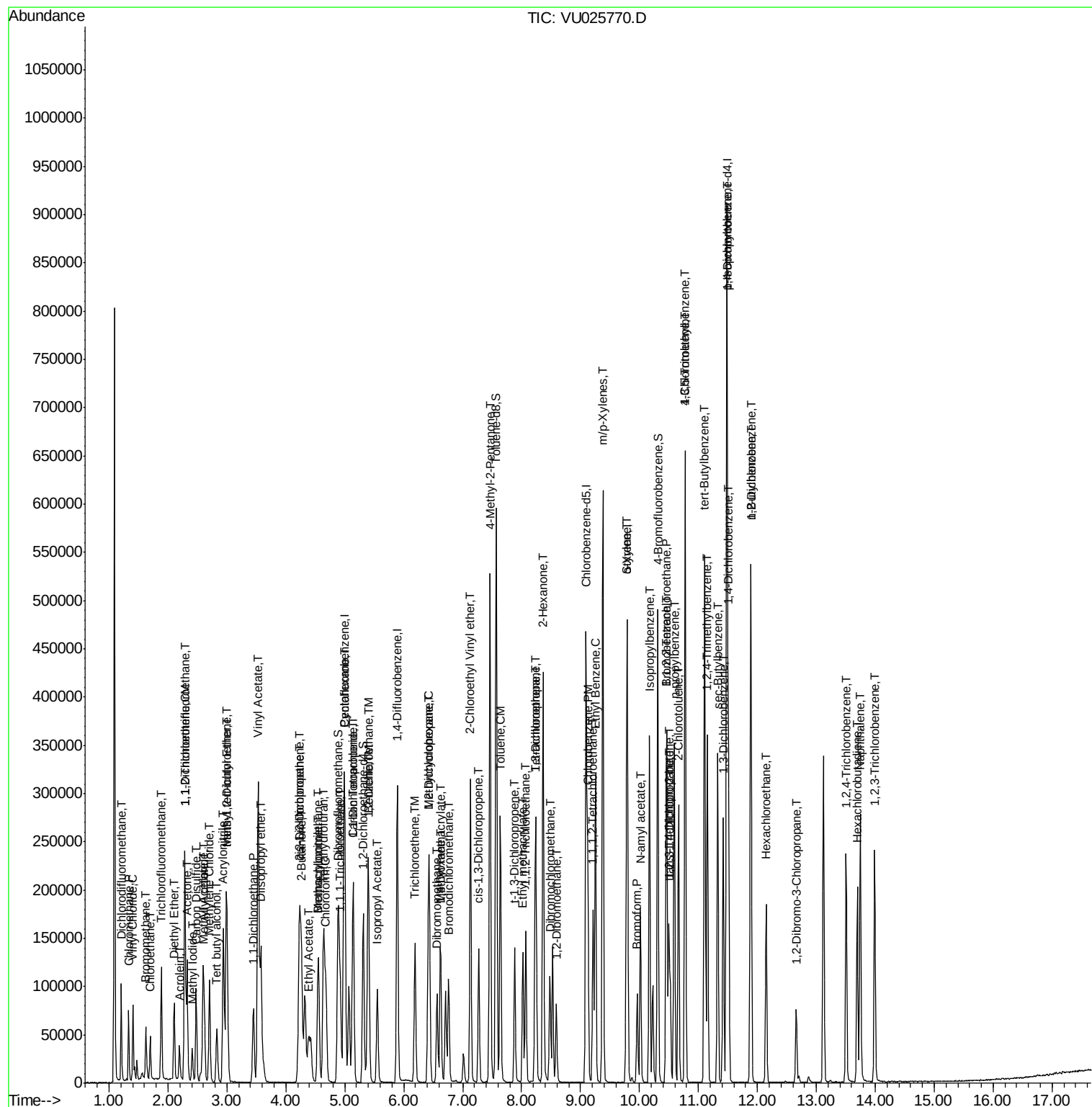
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Data File : VU025770.D
Acq On : 01 Aug 2018 12:30
Operator : MD/SY
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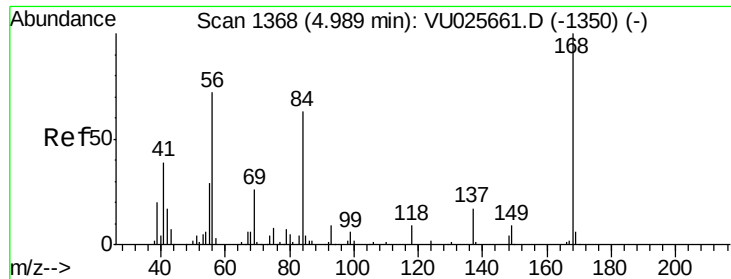
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD02

Tot Ion:168 Resp: 171436

Ion Ratio Lower Upper

168 100

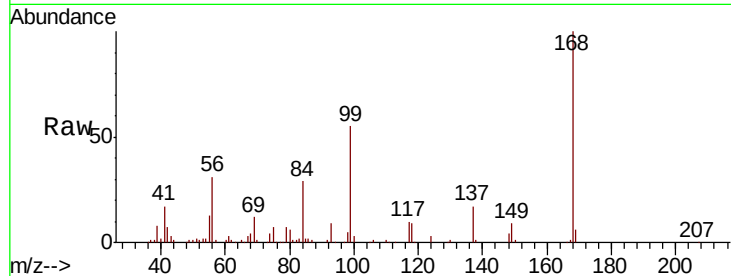
99 54.7 42.8 64.2

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): VU025770.D (-1275) (-)

4.99

80000

60000

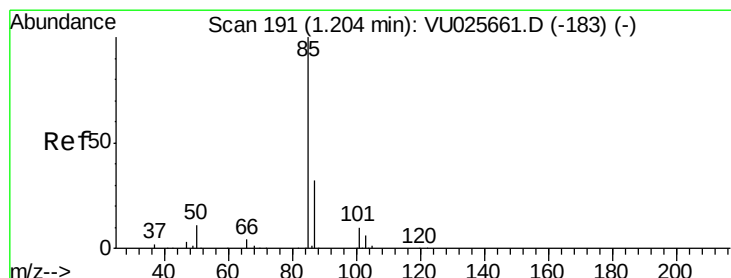
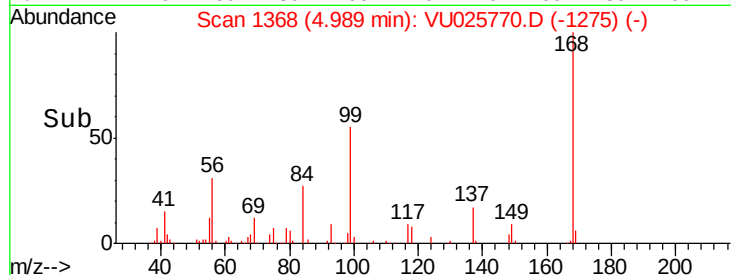
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.490 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025770.D

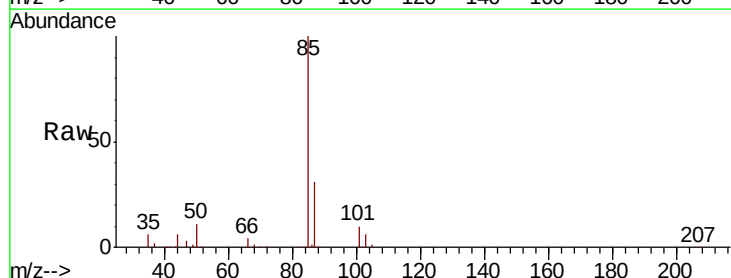
Acq: 01 Aug 2018 12:30

Tgt Ion: 85 Resp: 58273

Ion Ratio Lower Upper

85 100

87 30.9 16.5 49.5



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

Ion 86.90 (86.60 to 87.60): VU025770.D (-98) (-)

1.21

60000

50000

40000

30000

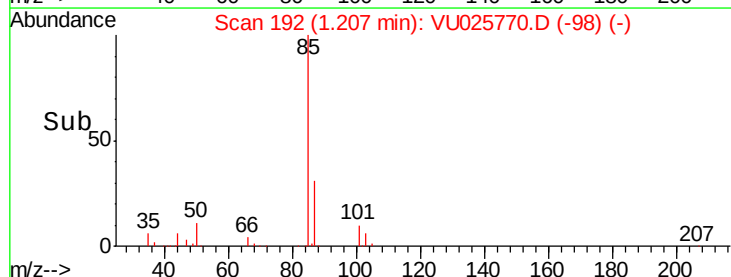
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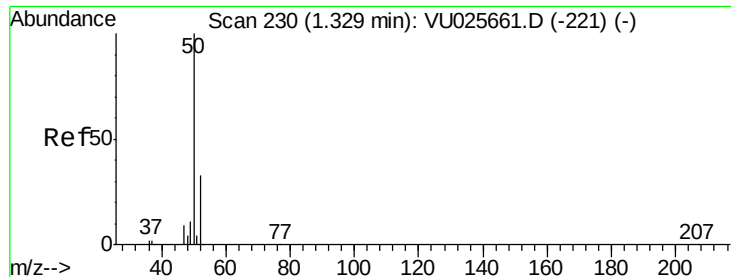
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.321 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD02

Tot Ion: 50 Resp: 50327

Ion Ratio Lower Upper

50 100

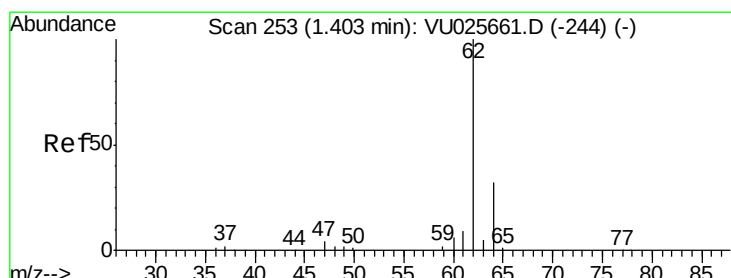
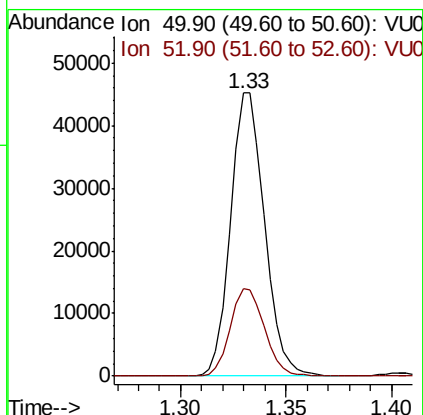
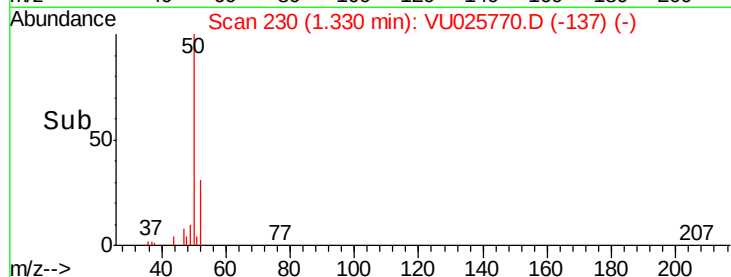
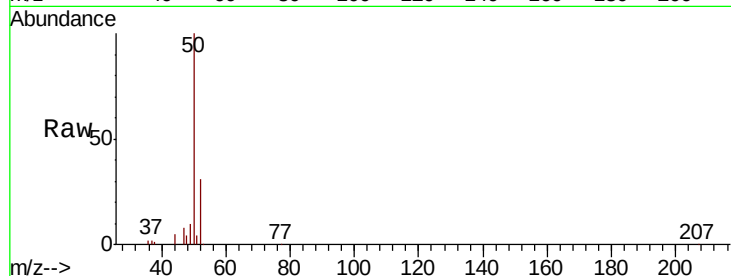
52 31.1 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.886 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025770.D

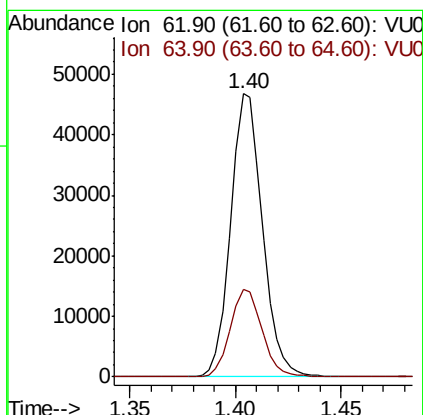
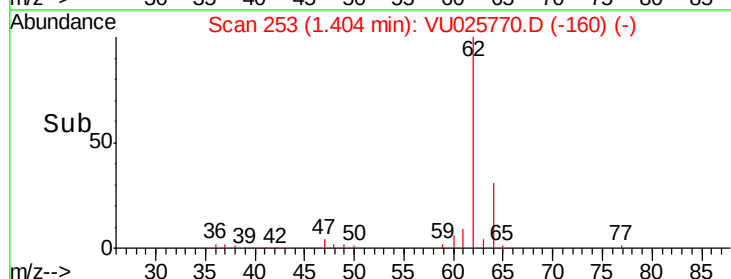
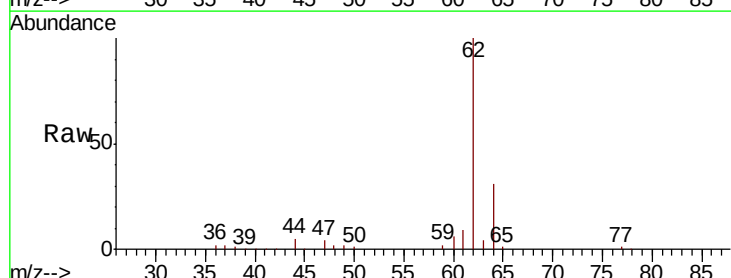
Acq: 01 Aug 2018 12:30

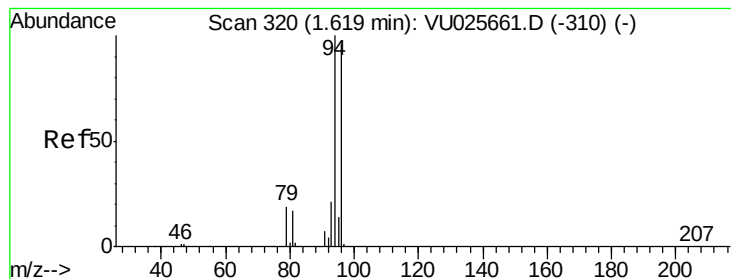
Tgt Ion: 62 Resp: 48678

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.0





#5

Bromomethane

Concen: 21.441 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD02

Tot Ion: 94 Resp: 24407

Ion Ratio Lower Upper

94 100

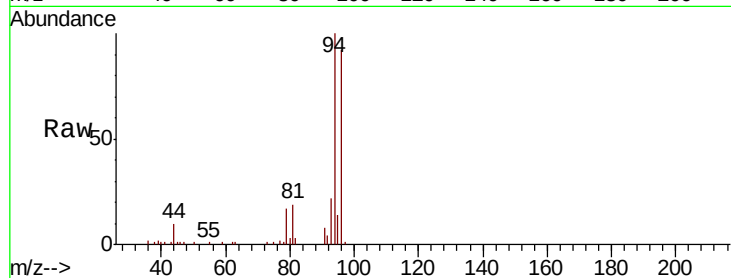
96 91.9 75.0 112.4

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

20000

15000

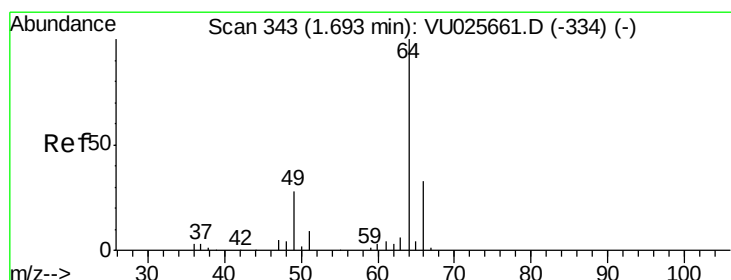
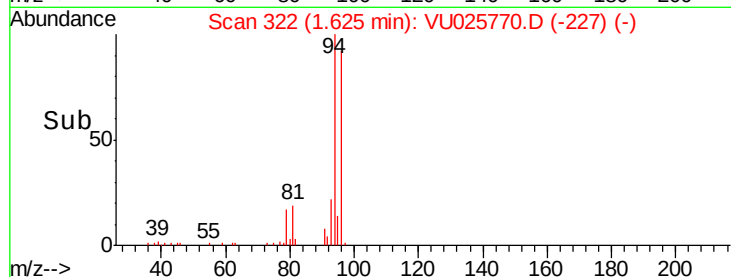
10000

5000

0

Time--> 1.55 1.60 1.65 1.70

1.63



#6

Chloroethane

Concen: 20.470 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025770.D

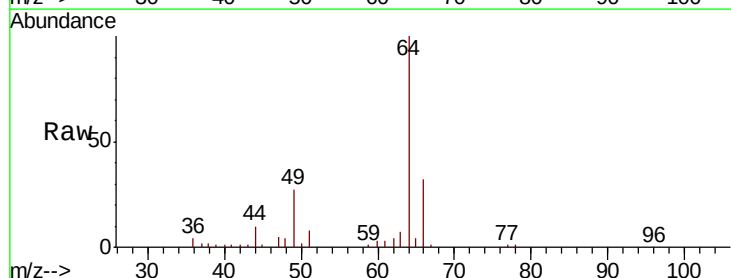
Acq: 01 Aug 2018 12:30

Tgt Ion: 64 Resp: 27897

Ion Ratio Lower Upper

64 100

66 32.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

25000

20000

15000

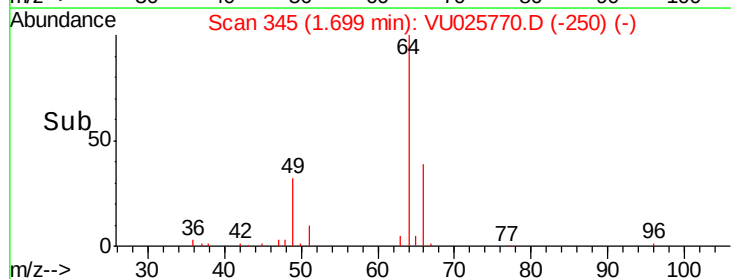
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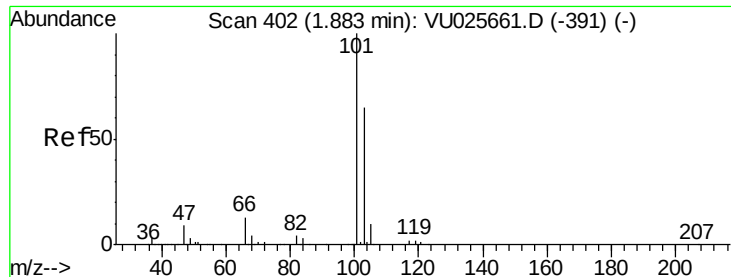
5000

0

Time--> 1.65 1.70 1.75

1.70





#7

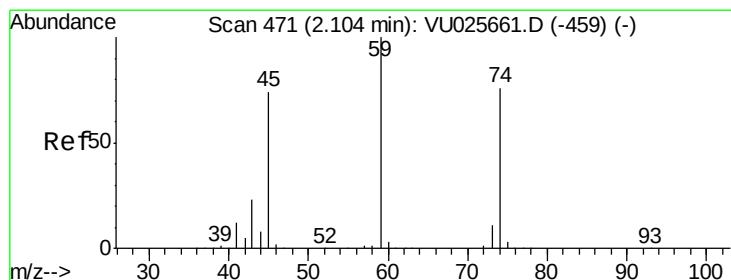
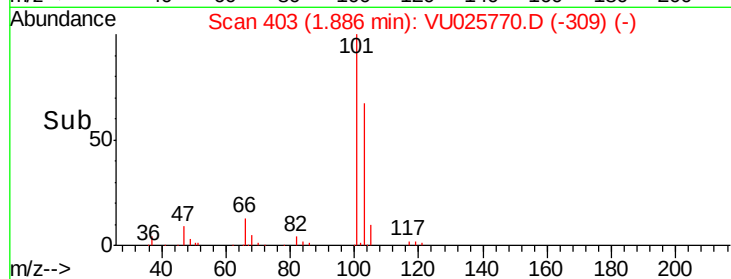
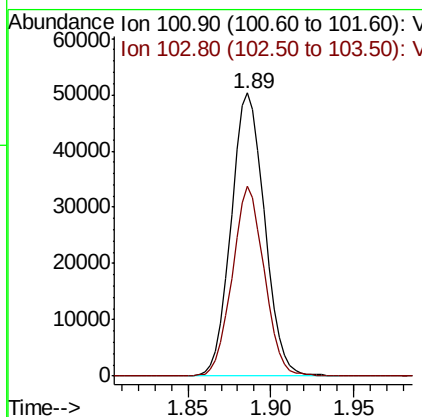
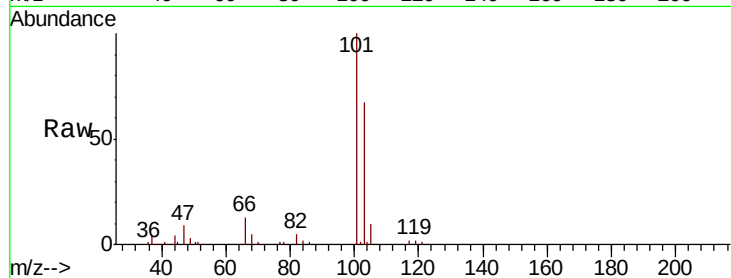
Trichlorofluoromethane
 Concen: 20.917 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	52.2	78.2

Manual Integrations
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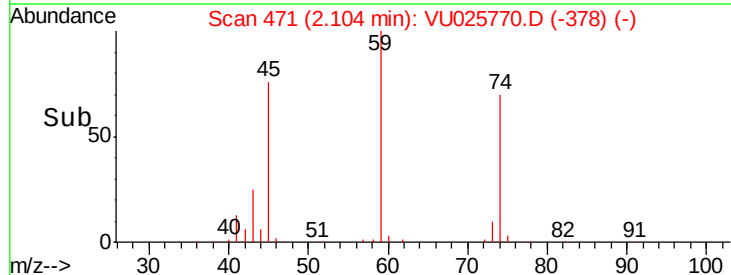
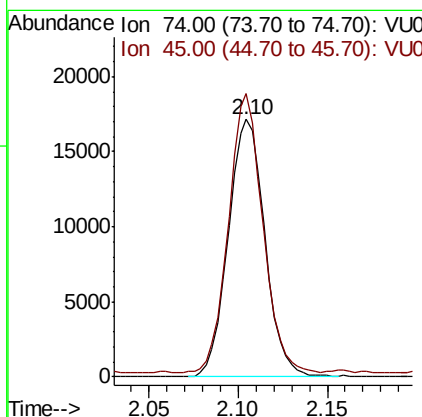
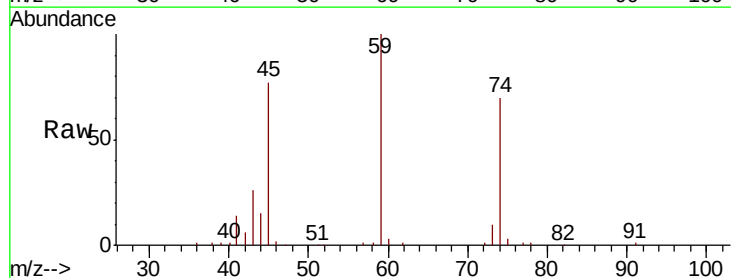
MMDadoda
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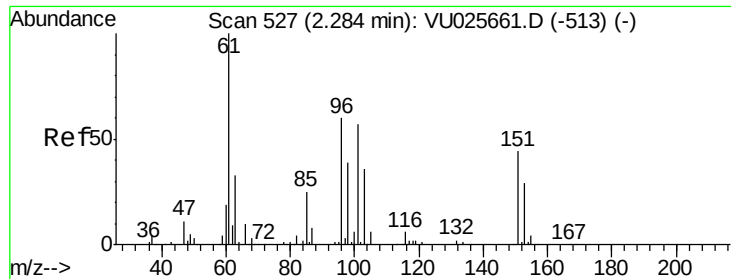


#8

Diethyl Ether
 Concen: 20.025 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.6	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.716 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

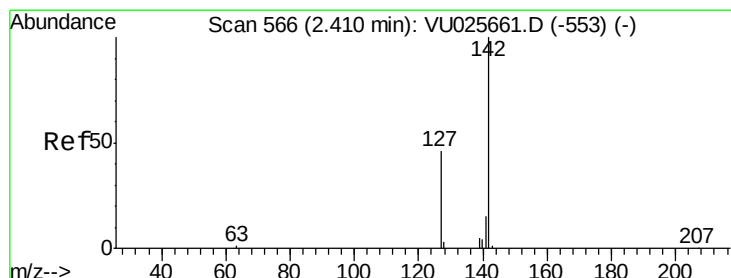
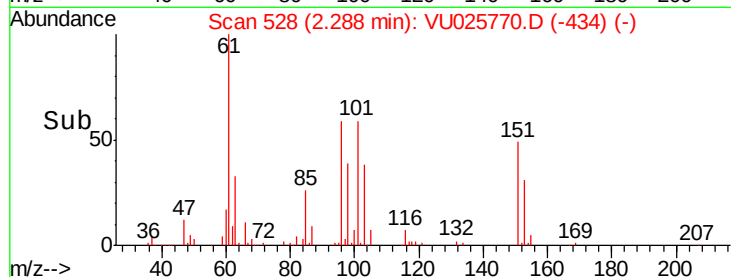
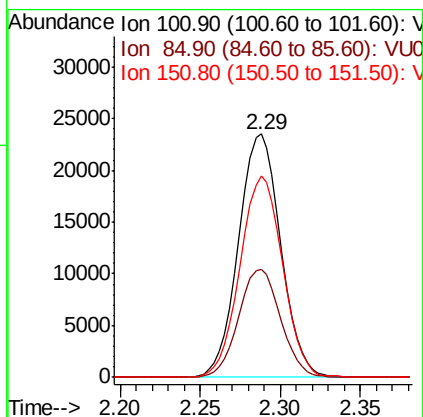
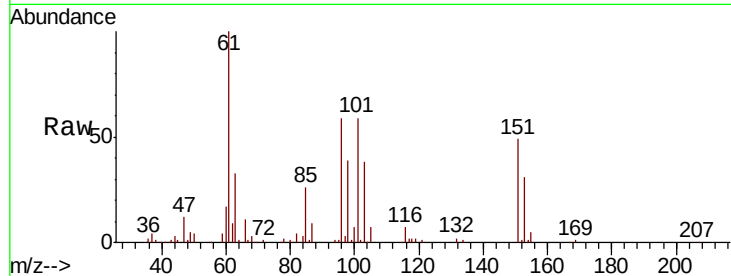
ClientSampleId :

VU0801MBSD02

Tot Ion:	101	Resp:	42347
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.0	54.0
151	83.5	65.6	98.4

Manual Integrations
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8/2/2018 9:44:57 AM



#10

Methyl Iodide

Concen: 23.793 ug/l

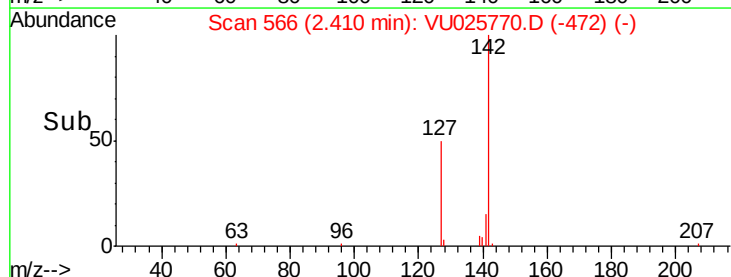
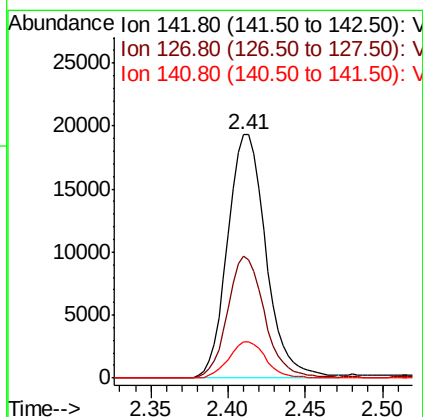
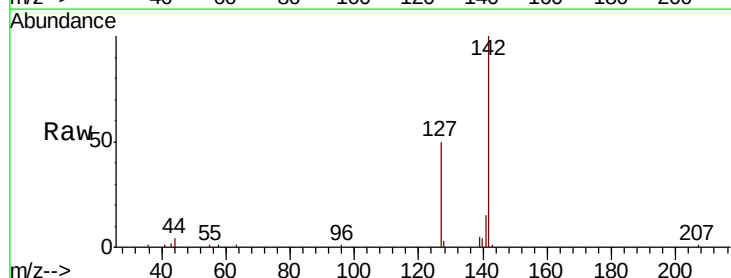
RT: 2.41 min Scan# 566

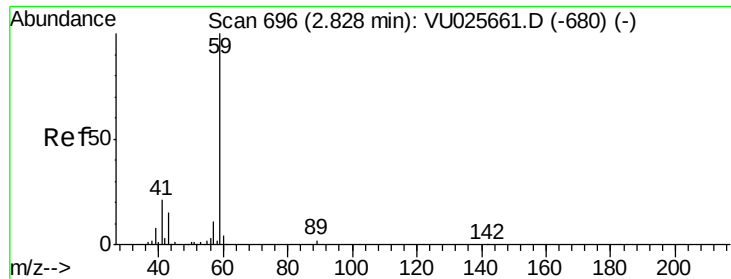
Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Tgt Ion:	142	Resp:	33381
Ion Ratio	Lower	Upper	
142	100		
127	48.1	36.5	54.7
141	14.3	11.4	17.2





#11

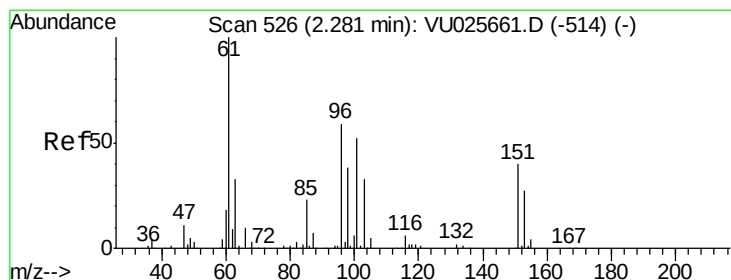
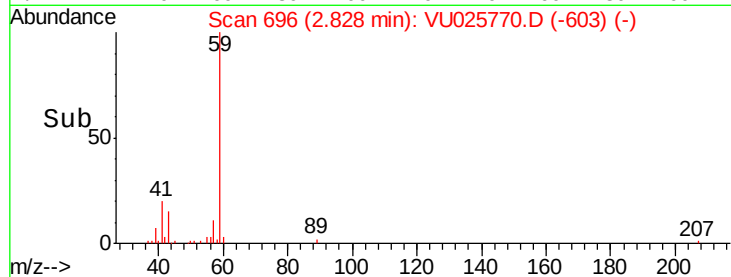
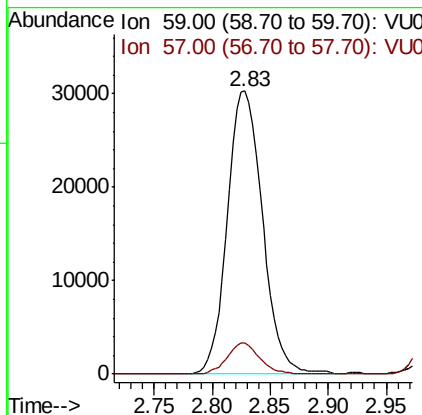
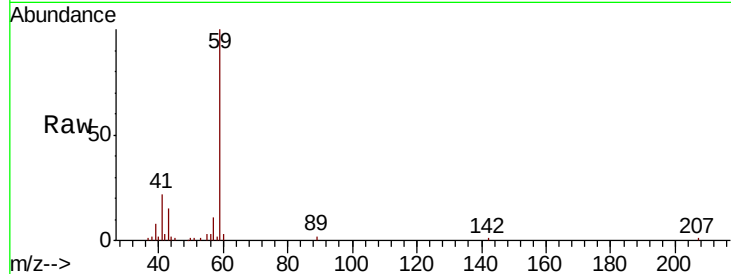
Tert butyl alcohol
 Concen: 108.930 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

Tot Ion	59	Resp	63704
Ion Ratio	100	Lower	Upper
57	10.1	8.2	12.2

Manual Integrations
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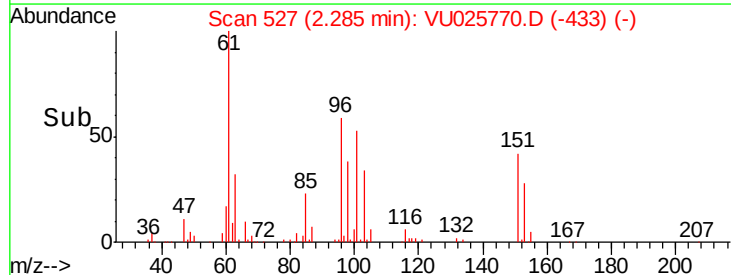
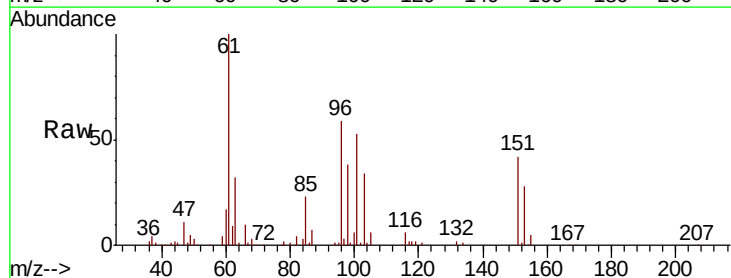
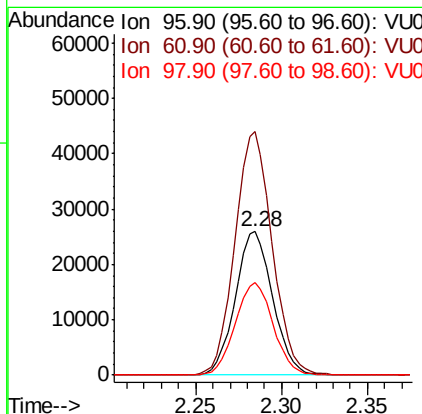
MMDadoda
 8/2/2018 9:44:57 AM

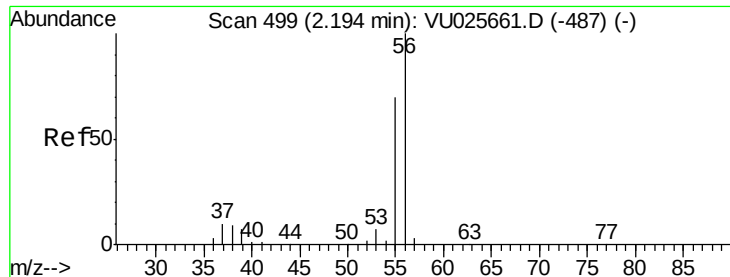


#12

1,1-Dichloroethene
 Concen: 21.301 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion	96	Resp	39210
Ion Ratio	100	Lower	Upper
61	169.6	140.2	210.4
98	64.4	49.3	73.9





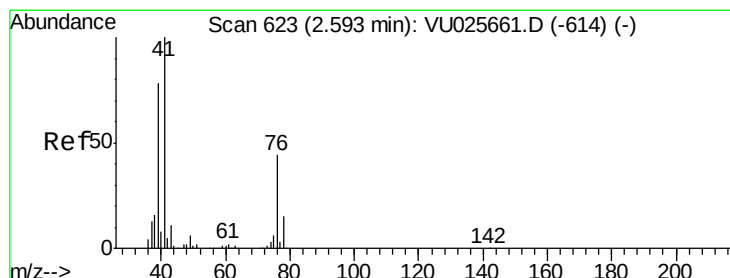
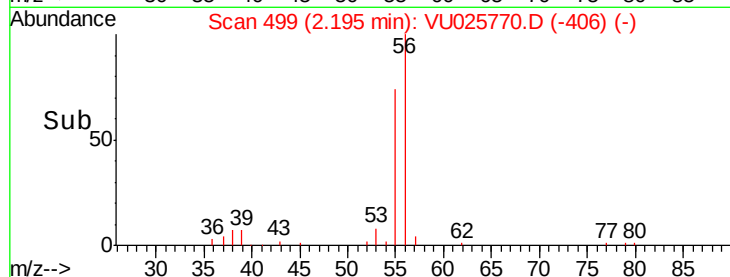
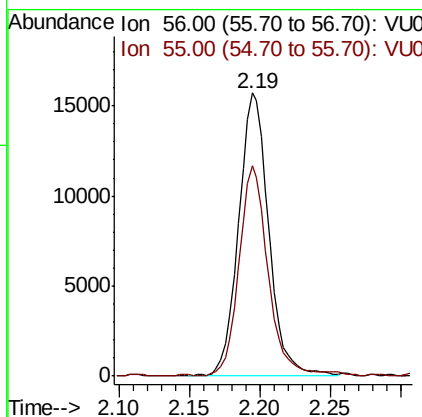
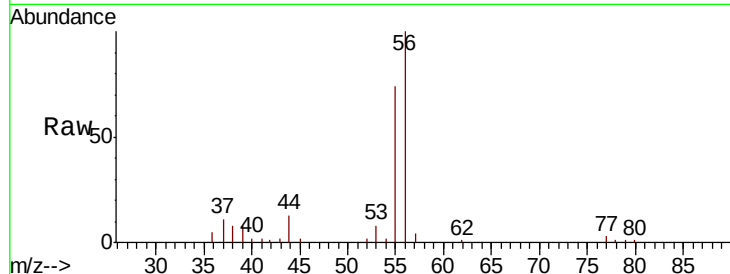
#13
Acrolein
Concen: 110.170 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampled :
VU0801MBSD02

Tot Ion	56	55	Ratio	100	Resp	23574	Lower	Upper
56	100							
55	72.5				57.2		85.8	

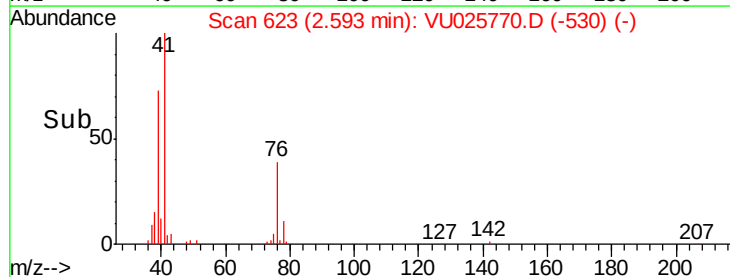
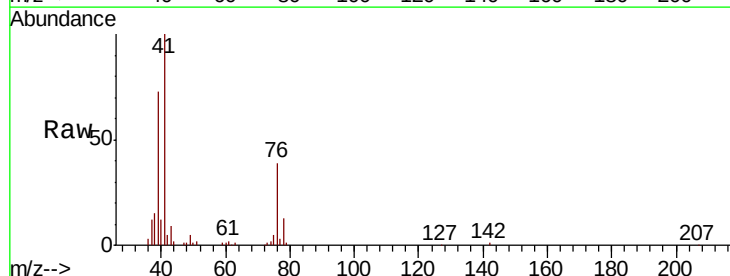
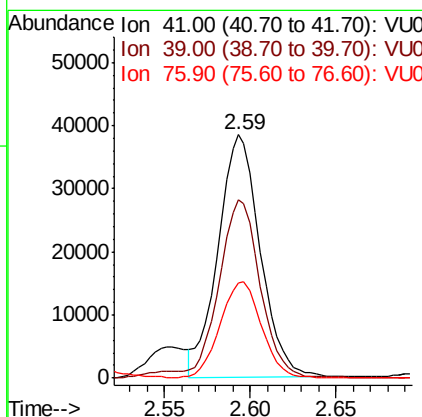
Manual Integrations
APPROVED

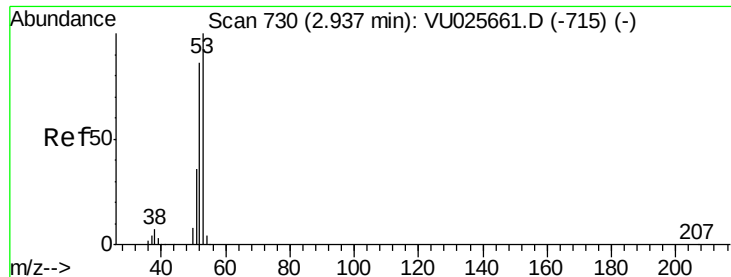
MMDadoda
8/2/2018 9:44:57 AM



#14
Allyl chloride
Concen: 19.794 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion	41	39	76	Ratio	100	Resp	65476	Lower	Upper
41	100								
39	74.5				60.6		91.0		
76	39.0				30.5		45.7		





#15

Acrylonitrile

Concen: 107.966 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

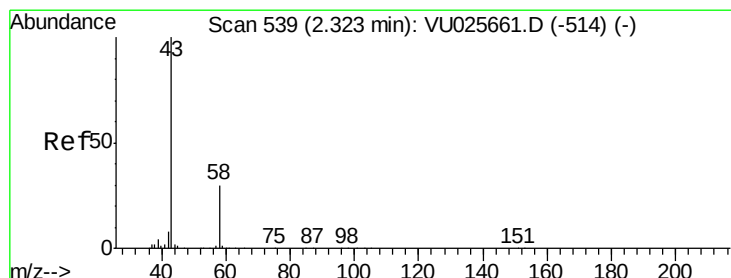
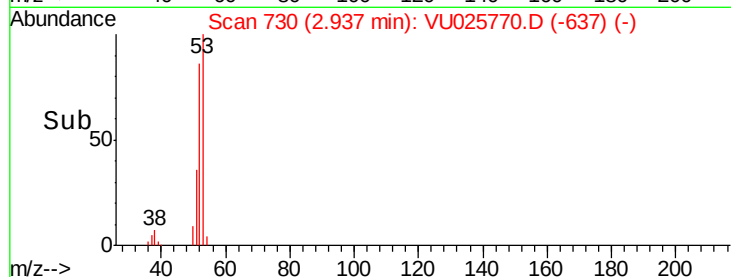
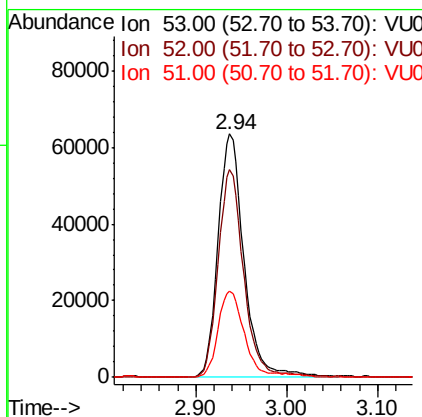
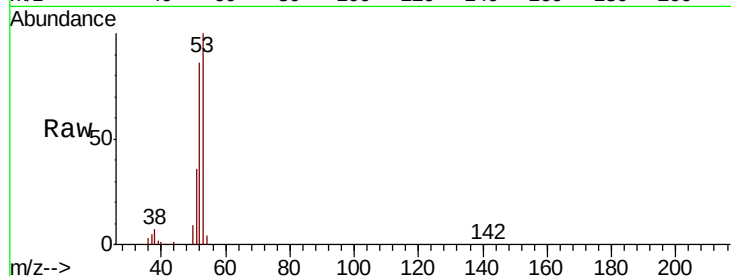
ClientSampleId :

VU0801MBSD02

Tot Ion:	53	Resp:	126065
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.6	99.8
51	36.7	29.4	44.2

Manual Integrations
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8/2/2018 9:44:57 AM



#16

Acetone

Concen: 98.827 ug/l

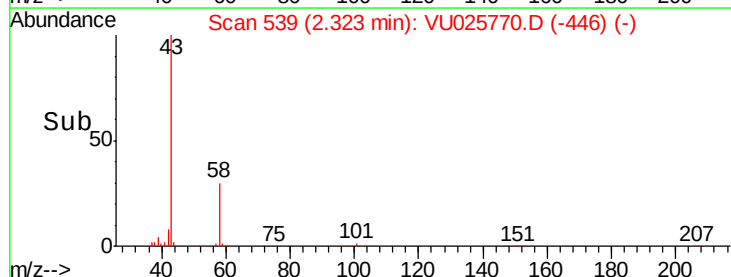
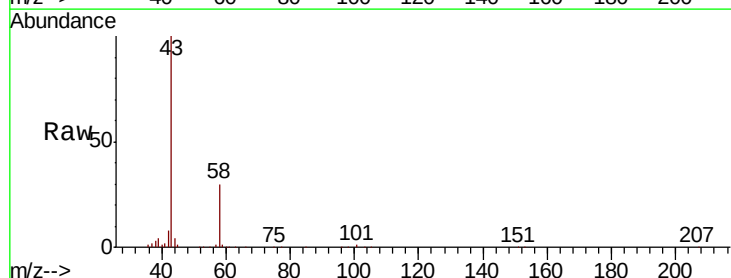
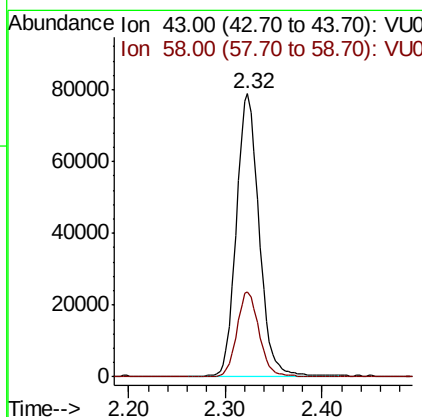
RT: 2.32 min Scan# 539

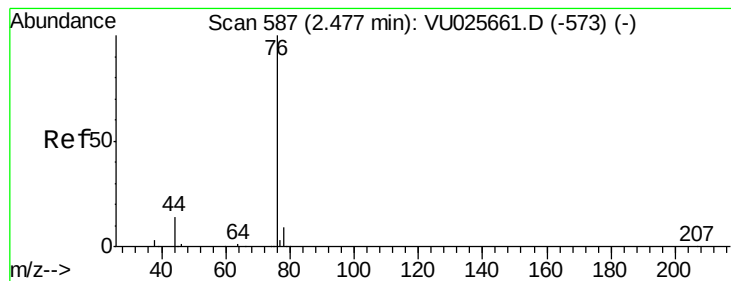
Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Tgt Ion:	43	Resp:	128703
Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.1	34.7





#17

Carbon Disulfide

Concen: 19.880 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD02

Tot Ion: 76 Resp: 118432

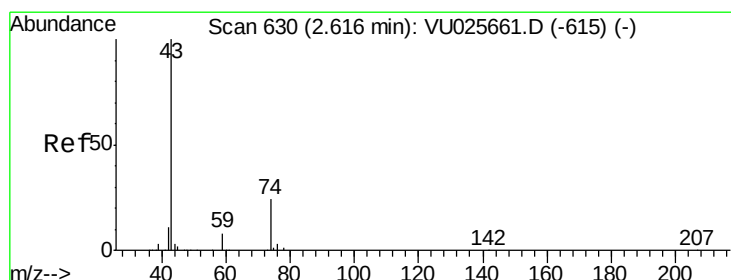
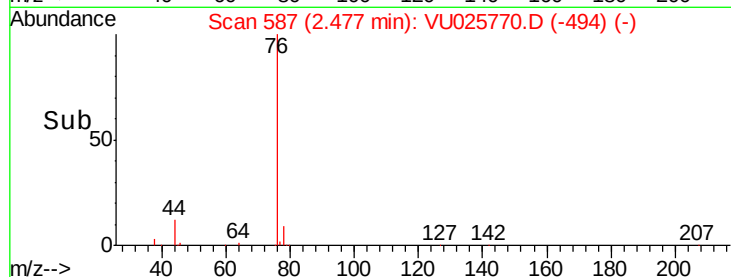
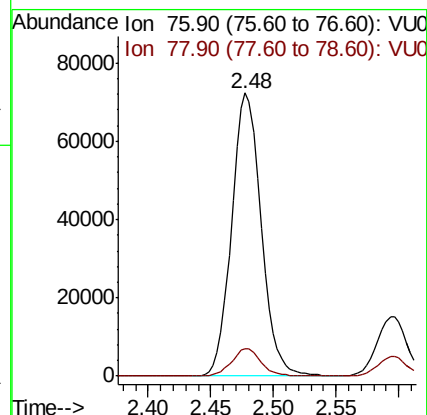
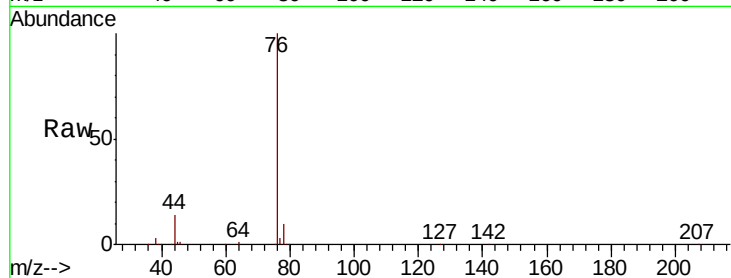
Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.2

Manual Integrations
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#18

Methyl Acetate

Concen: 25.510 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025770.D

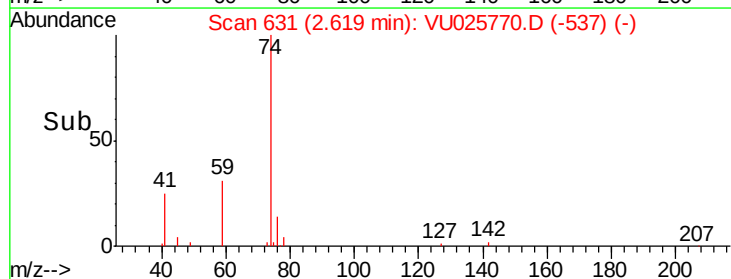
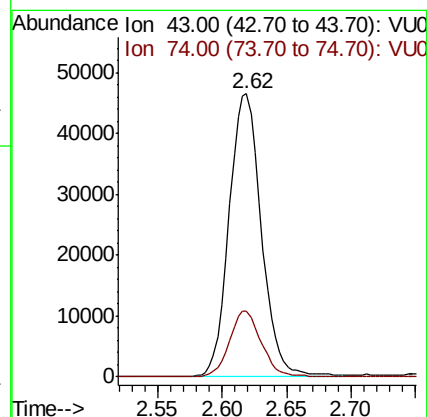
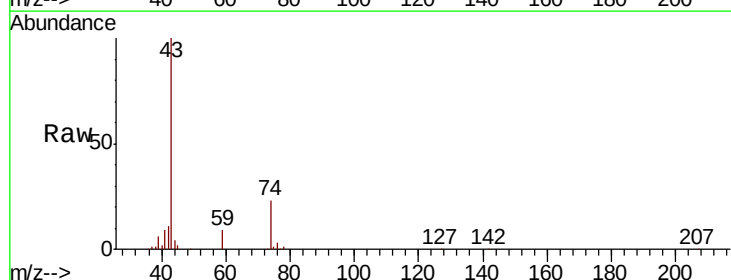
Acq: 01 Aug 2018 12:30

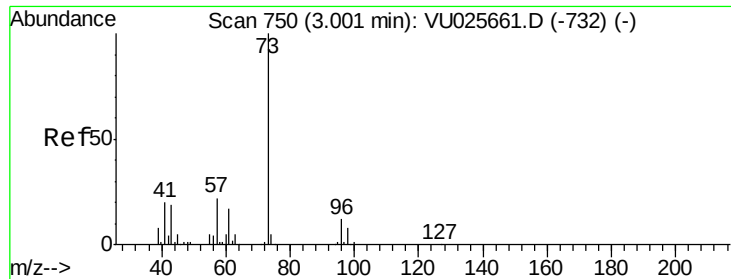
Tgt Ion: 43 Resp: 79962

Ion Ratio Lower Upper

43 100

74 23.3 18.5 27.7





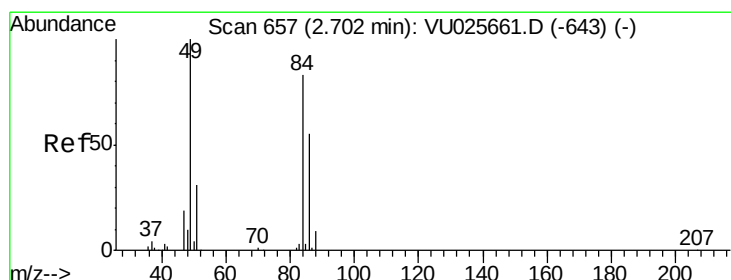
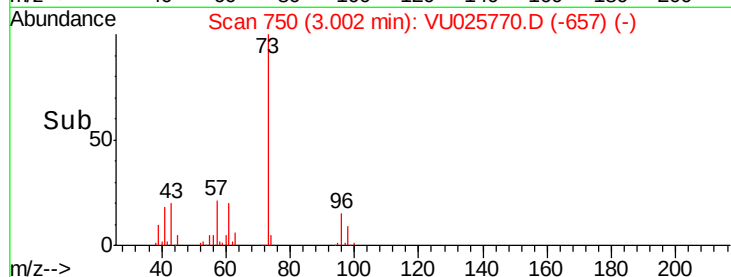
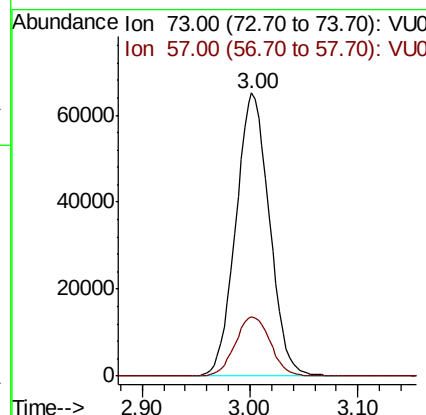
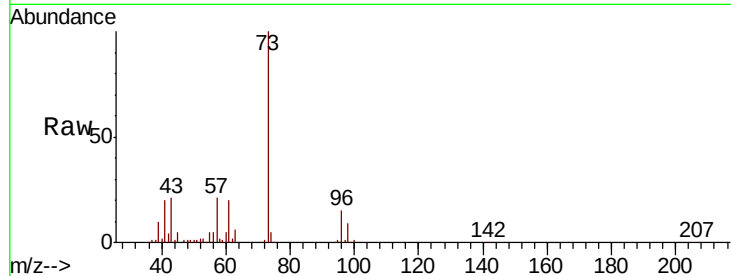
#19
Methvl tert-butvl Ether
Concen: 21.155 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.4	26.2

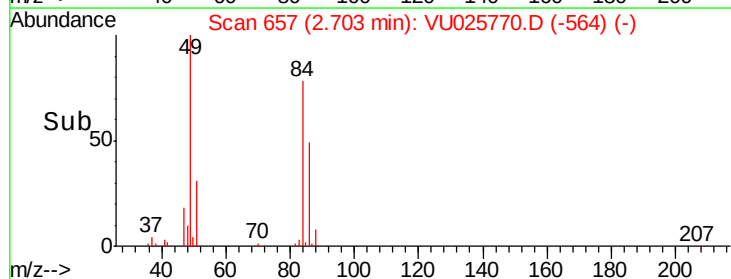
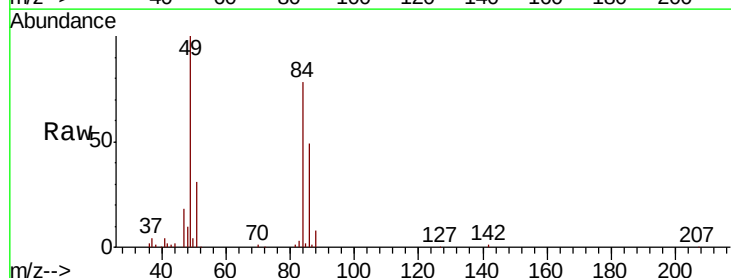
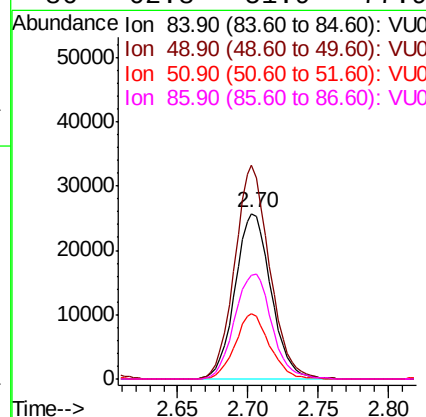
Manual Integrations
APPROVED

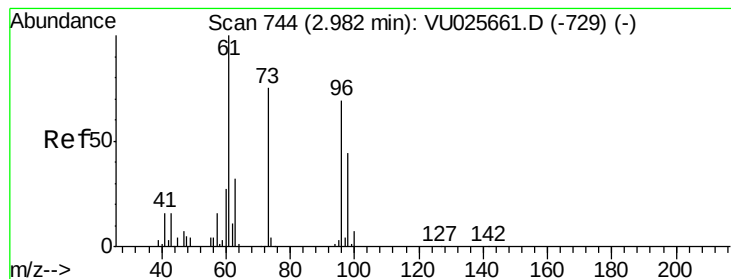
MMDadoda
8/2/2018 9:44:57 AM



#20
Methylene Chloride
Concen: 19.861 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.0	101.8	152.6
51	39.7	30.8	46.2
86	62.8	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 20.656 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD02

Tot Ion: 96 Resp: 43952

Ion Ratio Lower Upper

96 100

61 142.9 114.5 171.7

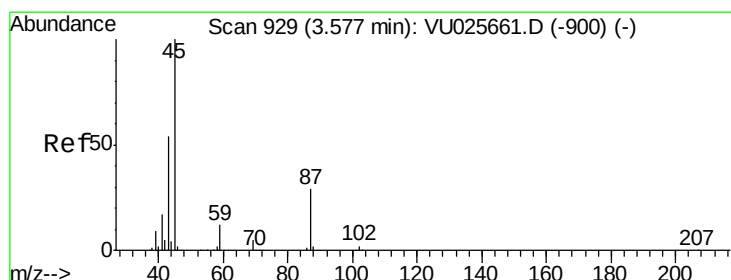
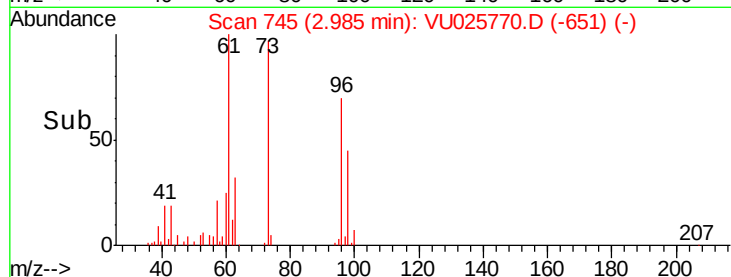
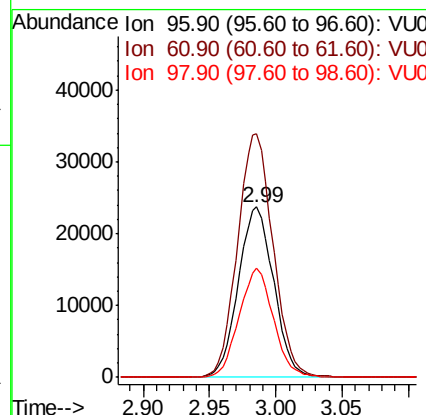
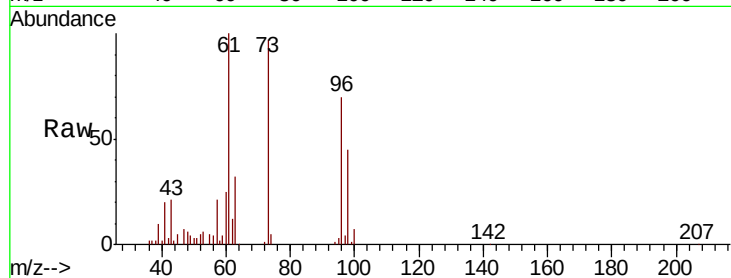
98 63.8 50.5 75.7

Manual Integrations

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8/2/2018 9:44:57 AM



#22

Diisopropyl ether

Concen: 21.769 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Tgt Ion: 45 Resp: 141902

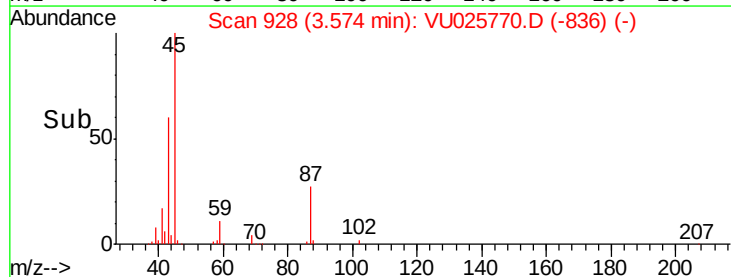
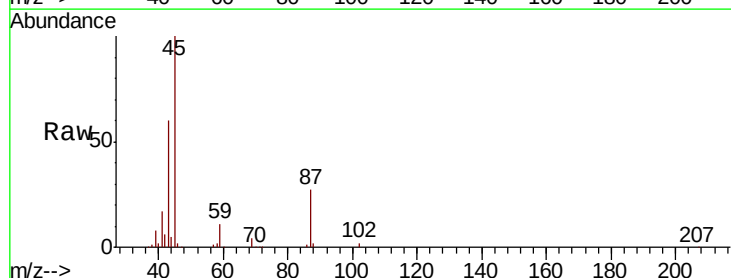
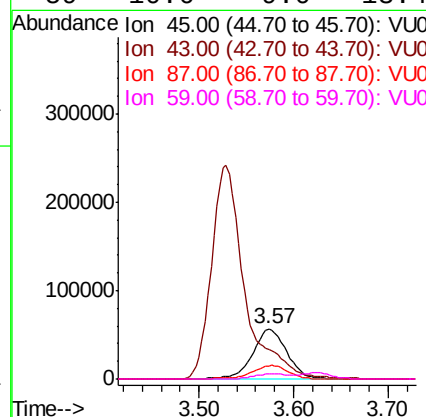
Ion Ratio Lower Upper

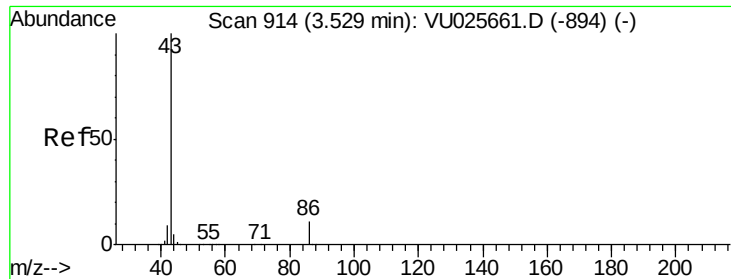
45 100

43 57.1 50.9 76.3

87 26.7 23.8 35.8

59 10.6 9.0 13.4





#23

Vinyl Acetate

Concen: 103.998 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD02

Tot Ion: 43 Resp: 590794

Ion Ratio Lower Upper

43 100

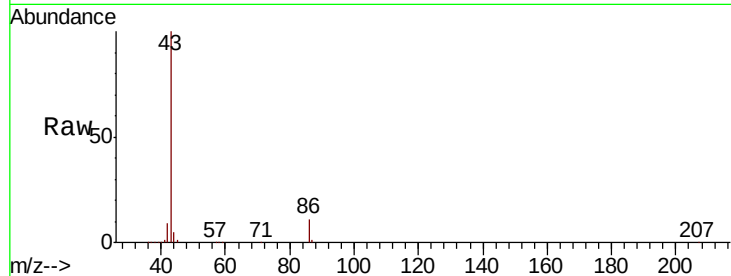
86 10.6 8.2 12.2

Manual Integrations

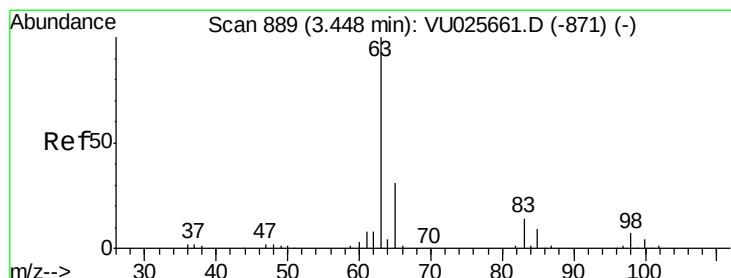
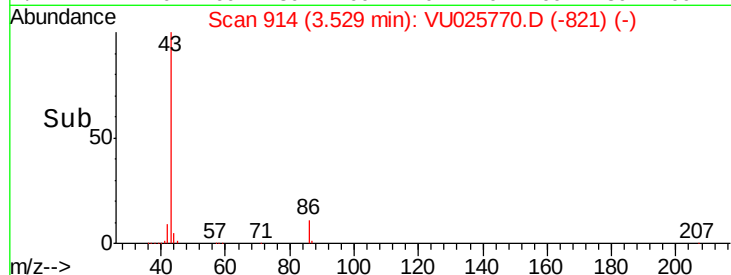
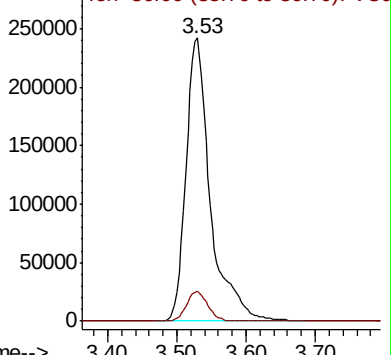
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Abundance Ion 43.00 (42.70 to 43.70): VU025770.D (-821) (-)



#24

1,1-Dichloroethane

Concen: 21.238 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

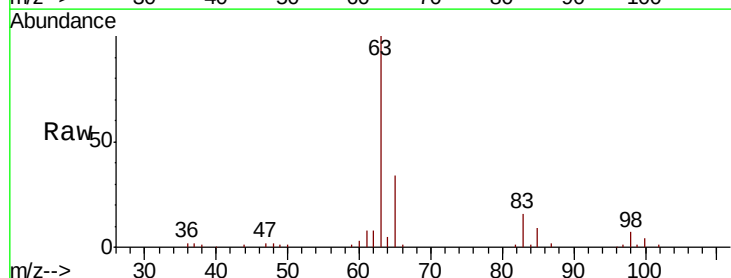
Tgt Ion: 63 Resp: 83104

Ion Ratio Lower Upper

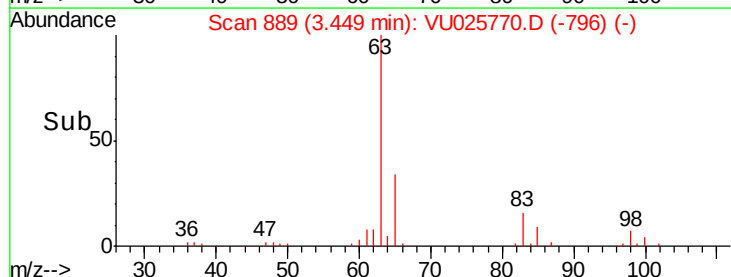
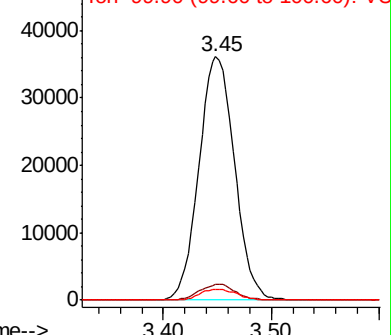
63 100

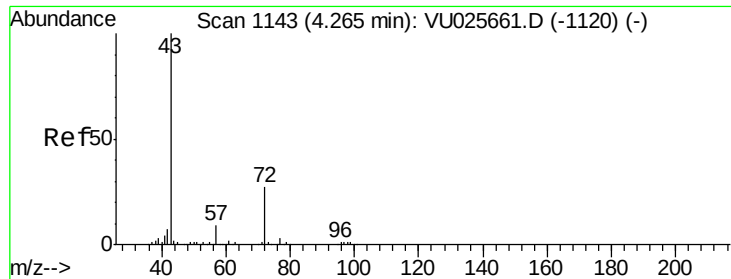
98 6.5 3.4 10.1

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU025770.D (-796) (-)





#25

2-Butanone

Concen: 105.206 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD02

Tot Ion: 43 Resp: 186509

Ion Ratio Lower Upper

43 100

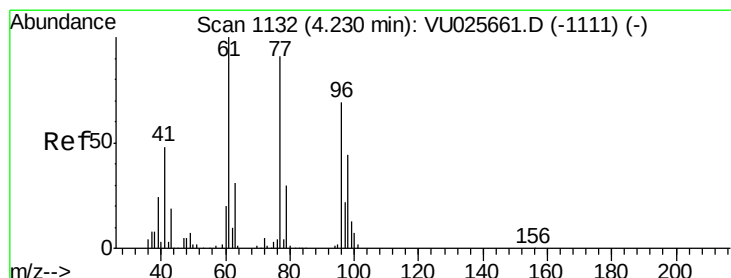
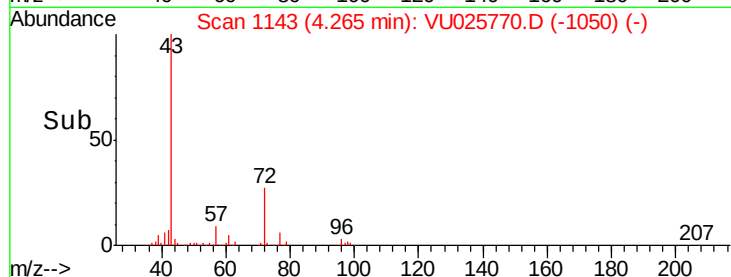
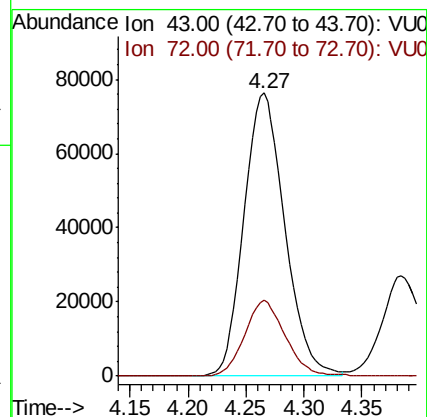
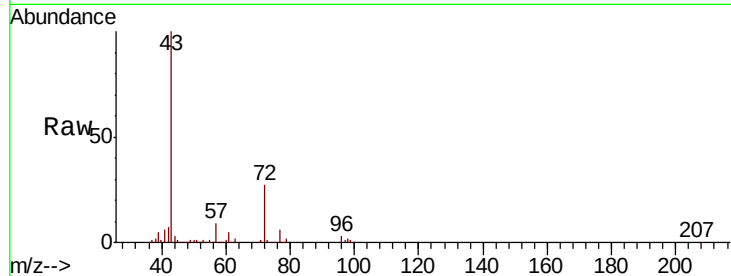
72 26.7 21.0 31.4

Manual Integrations

APPROVED

MMDadoda

8/2/2018 9:44:57 AM



#26

2,2-Dichloropropane

Concen: 21.340 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025770.D

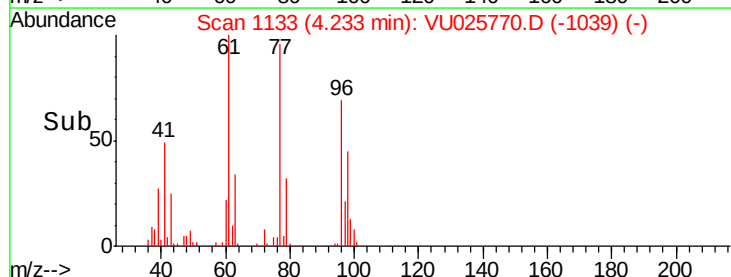
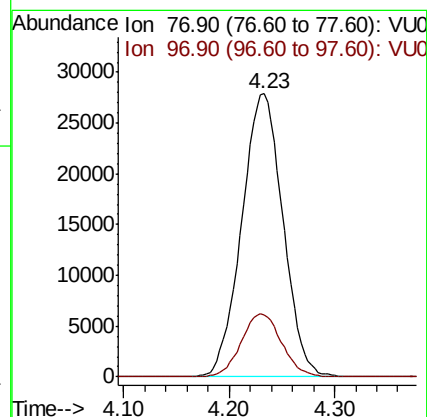
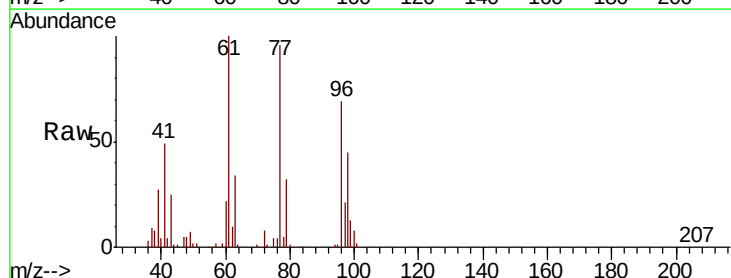
Acq: 01 Aug 2018 12:30

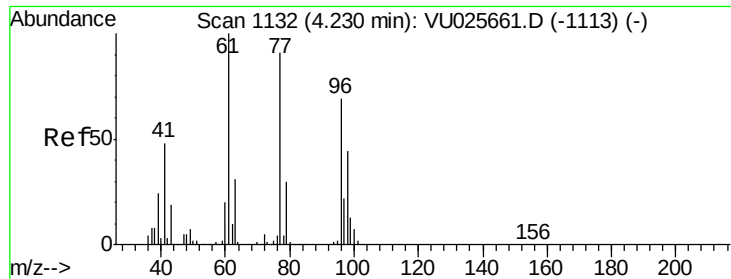
Tgt Ion: 77 Resp: 75897

Ion Ratio Lower Upper

77 100

97 21.6 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 20.639 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

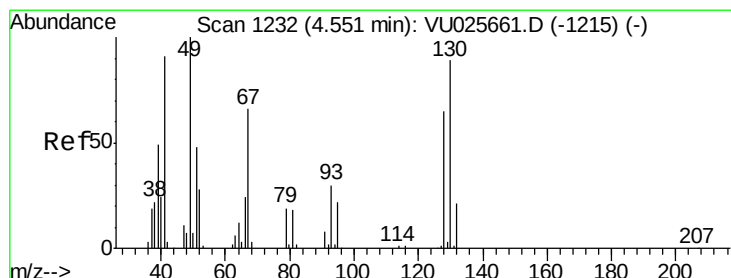
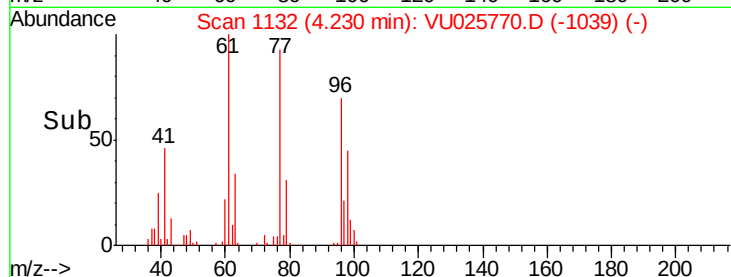
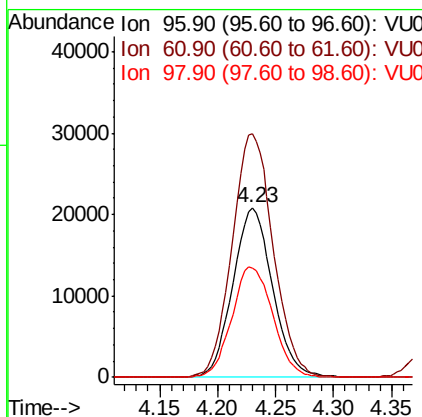
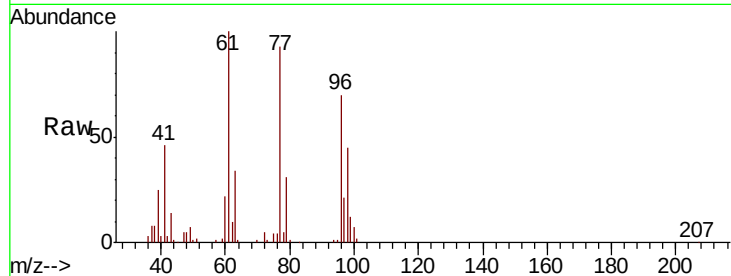
ClientSampleId :

VU0801MBSD02

Tot Ion:	96	Resp:	49513
Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	299.8
98	67.4	0.0	128.6

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#28

Bromochloromethane

Concen: 20.512 ug/l

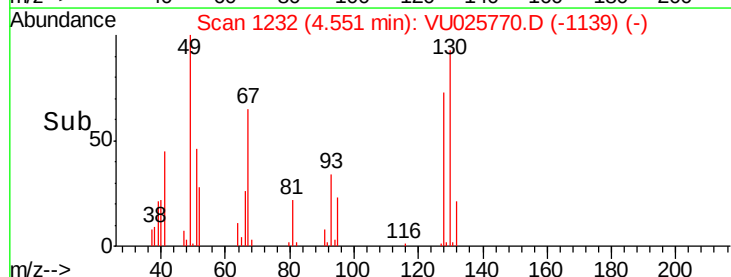
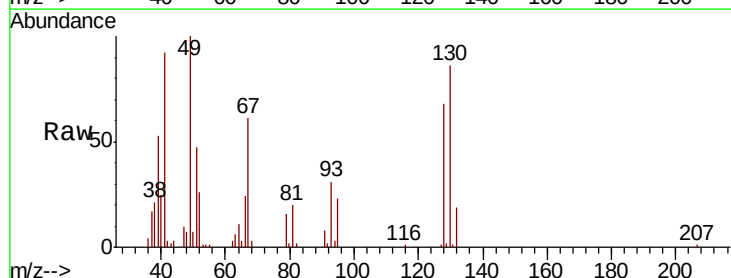
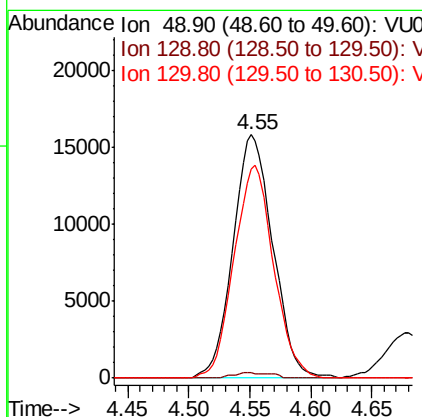
RT: 4.55 min Scan# 1232

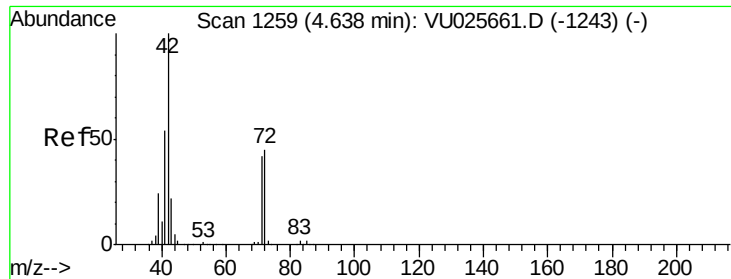
Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Tgt Ion:	49	Resp:	35887
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	86.5	68.6	102.8





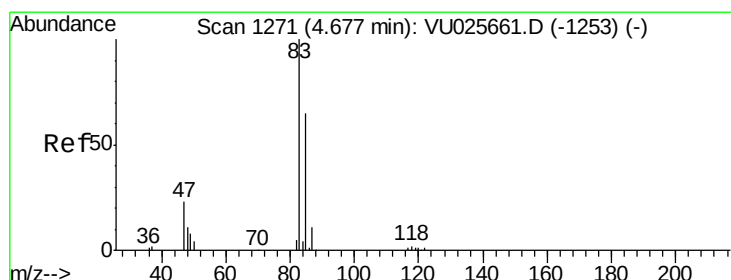
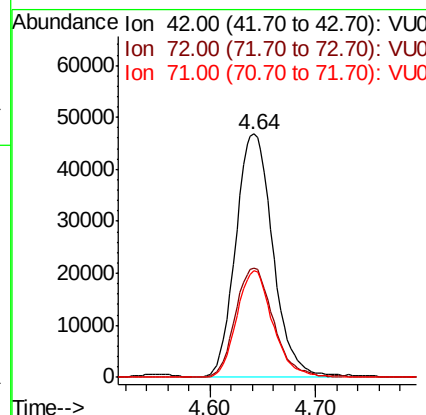
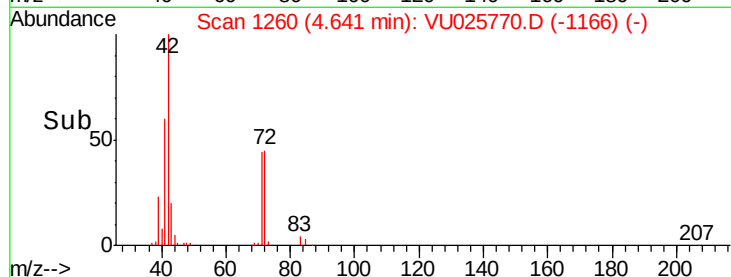
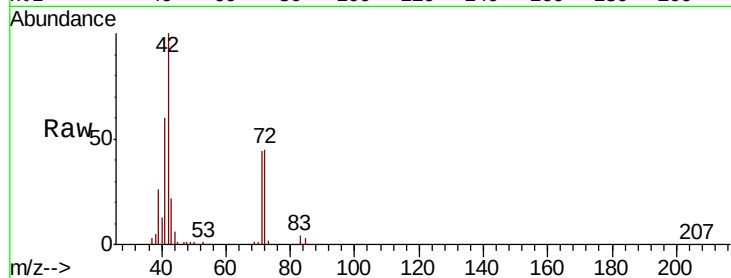
#29
Tetrahydrofuran
Concen: 107.278 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	36.7	55.1
71	42.8	33.9	50.9

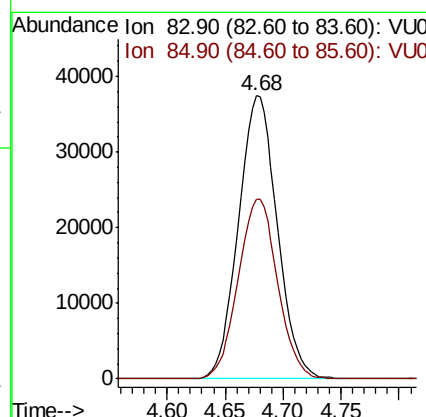
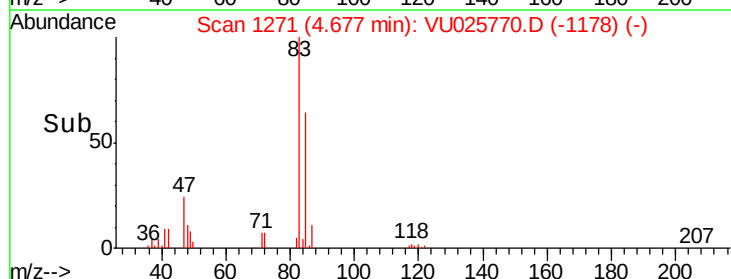
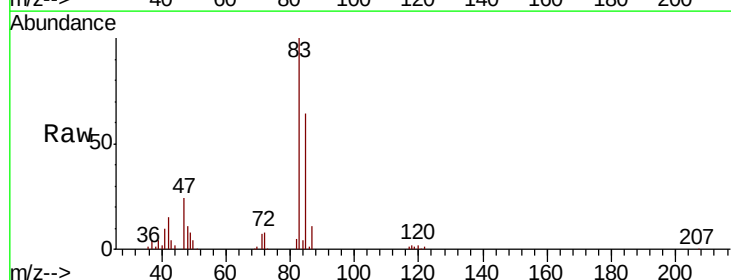
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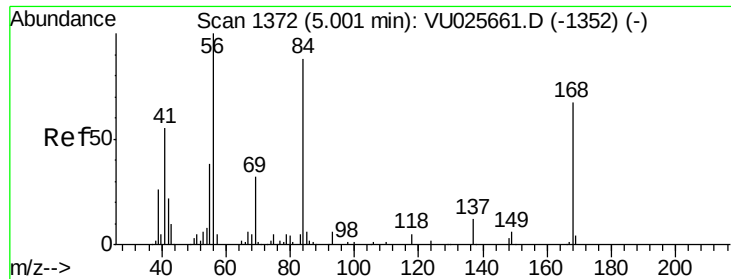
MMDadoda
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#30
Chloroform
Concen: 21.050 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.5	77.3





#31

Cyclohexane

Concen: 20.459 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

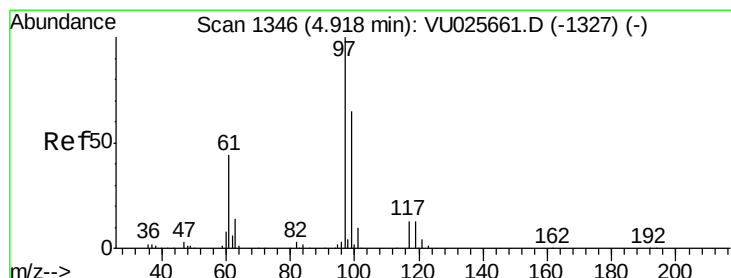
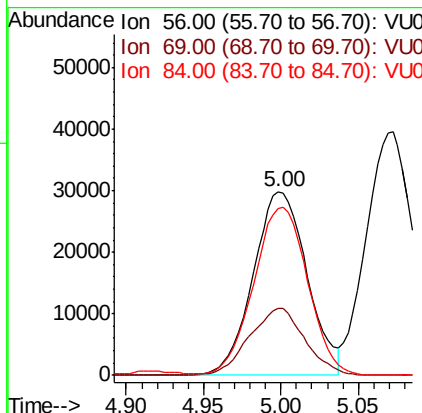
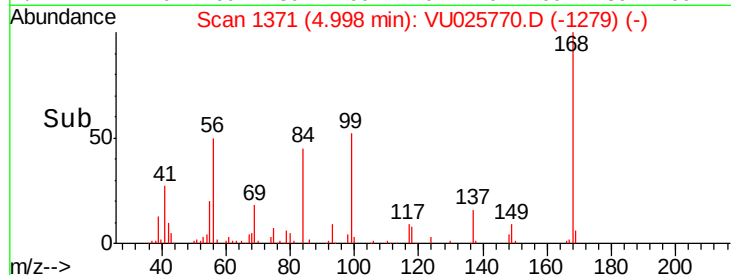
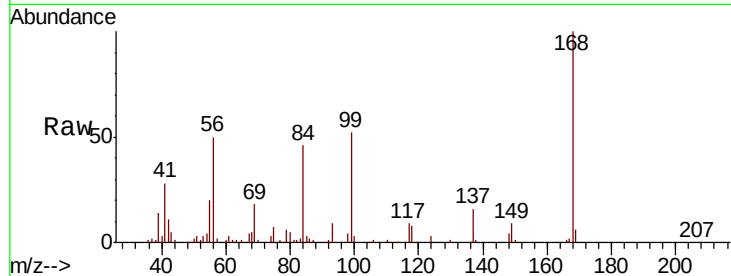
ClientSampleId :

VU0801MBSD02

Tot Ion:	56	Resp:	72360
Ion	Ratio	Lower	Upper
56	100		
69	36.4	26.8	40.2
84	89.8	69.7	104.5

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#32

1,1,1-Trichloroethane

Concen: 21.675 ug/l

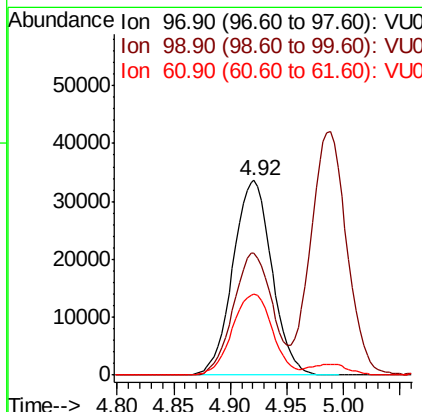
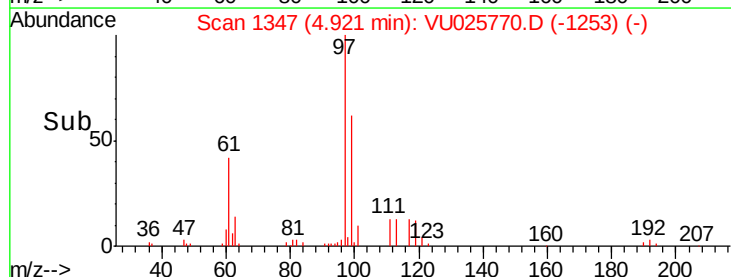
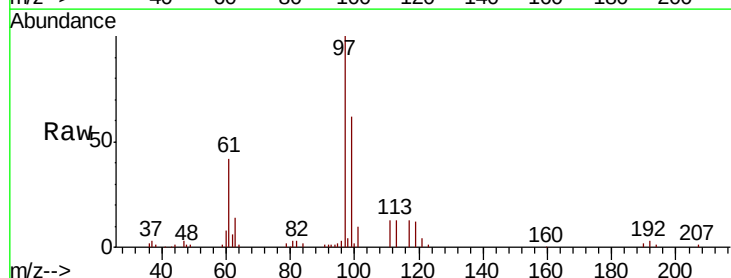
RT: 4.92 min Scan# 1347

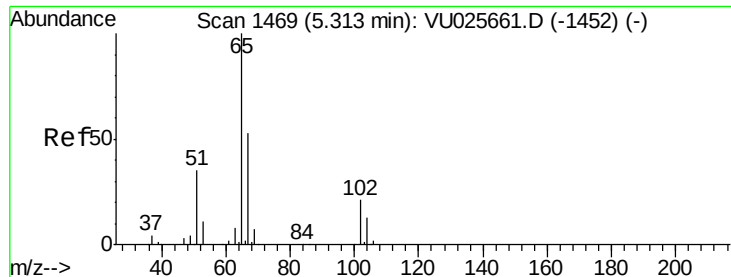
Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Tgt Ion:	97	Resp:	80601
Ion	Ratio	Lower	Upper
97	100		
99	62.2	50.8	76.2
61	42.8	35.2	52.8





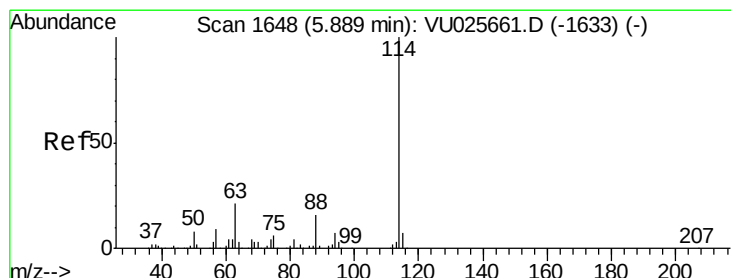
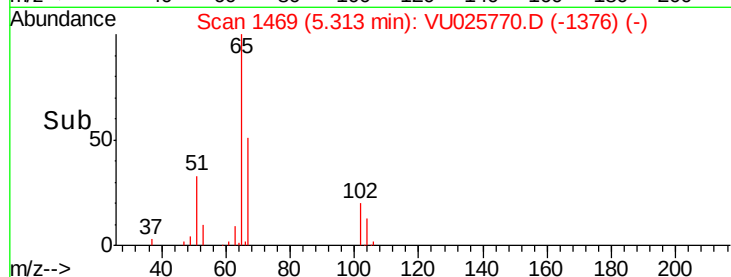
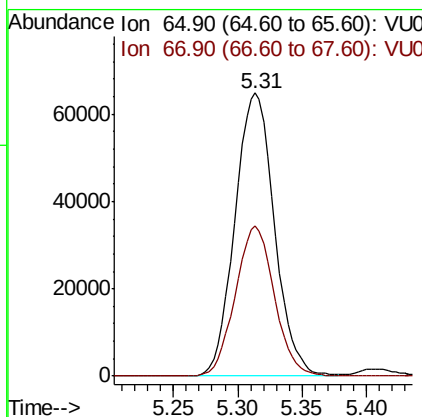
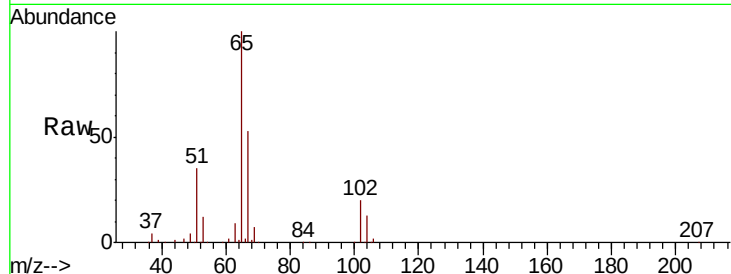
#33
 1,2-Dichloroethane-d4
 Concen: 51.711 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.3	0.0	103.6	

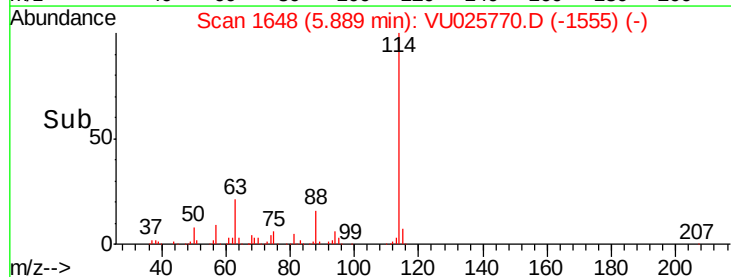
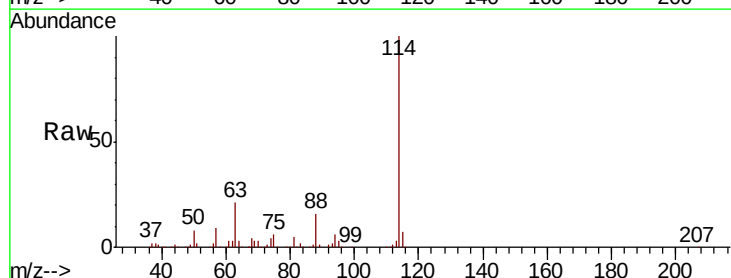
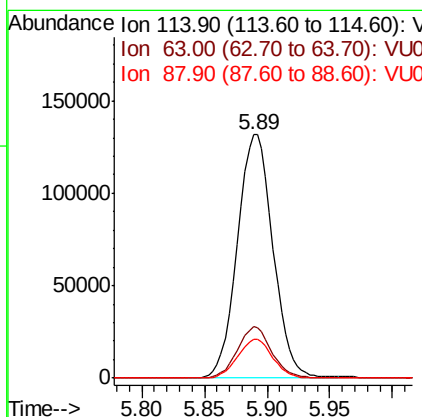
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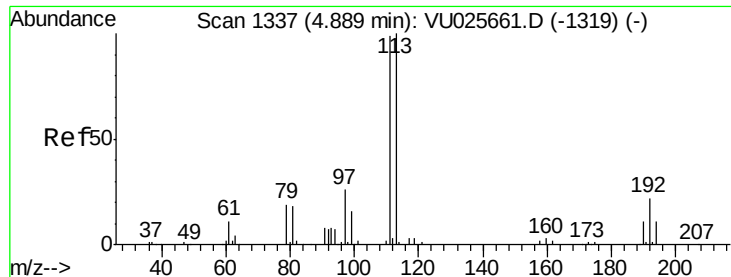
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.0	0.0	41.6	
88	16.1	0.0	32.4	





#35

Dibromofluoromethane

Concen: 50.007 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

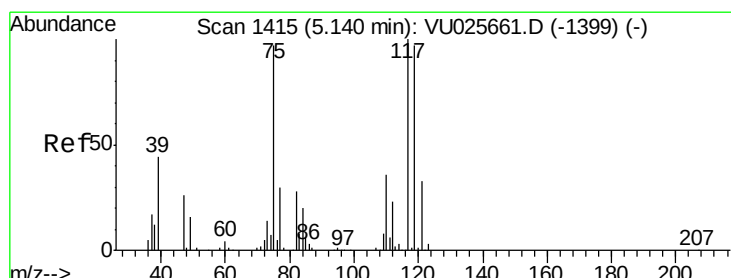
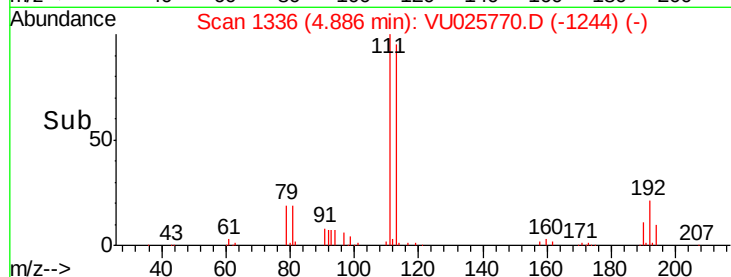
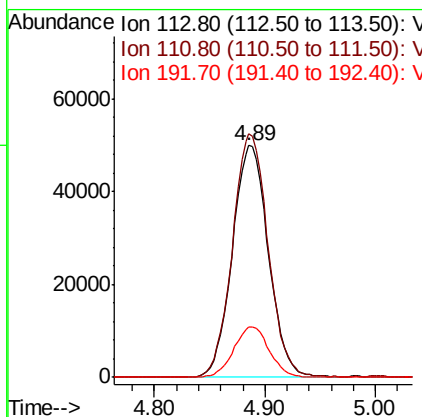
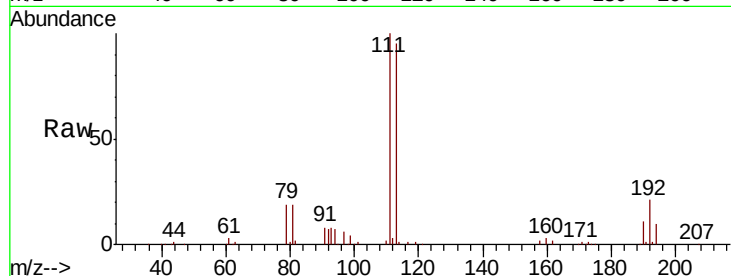
ClientSampleID :

VU0801MBSD02

Tot Ion:	113	Resp:	113211
Ion Ratio	Lower	Upper	
113	100		
111	103.7	81.7	122.5
192	21.4	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.206 ug/l

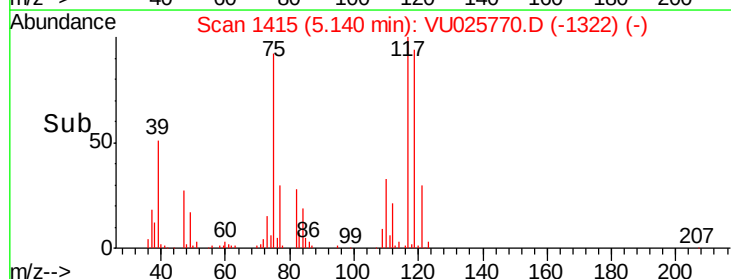
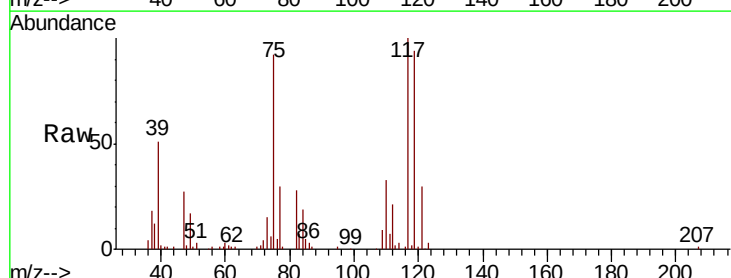
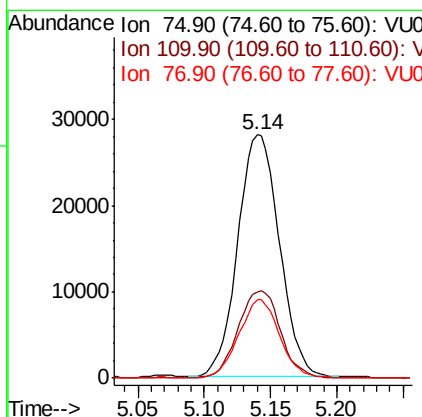
RT: 5.14 min Scan# 1415

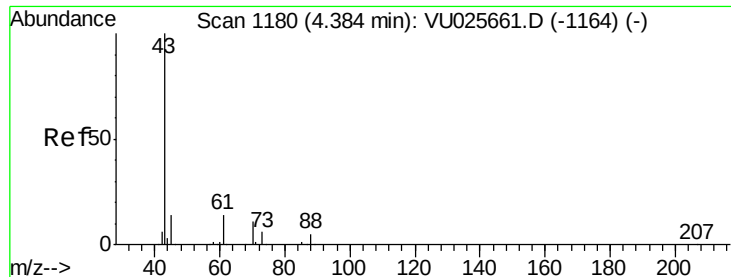
Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Tgt Ion:	75	Resp:	61465
Ion Ratio	Lower	Upper	
75	100		
110	36.5	17.6	52.9
77	31.9	24.4	36.6





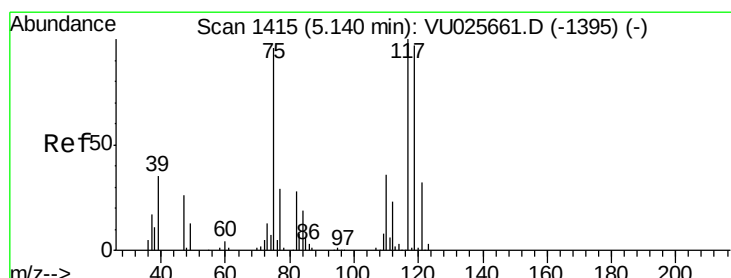
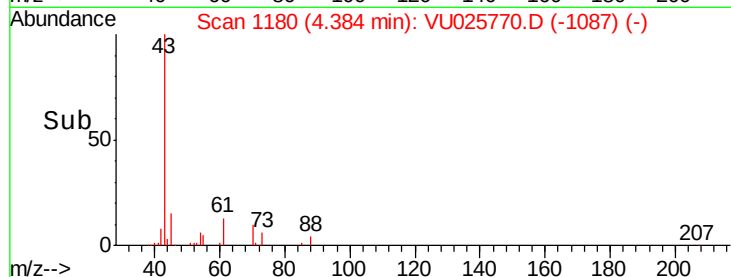
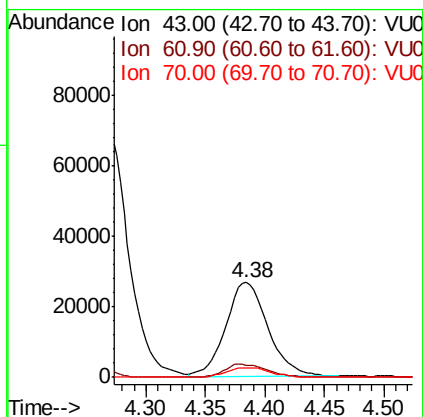
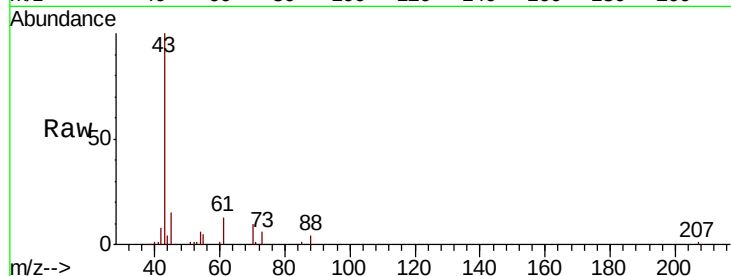
#37
Ethyl Acetate
Concen: 20.762 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

Tot Ion:	43	Resp:	65487
Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.7	16.1
70	10.6	8.4	12.6

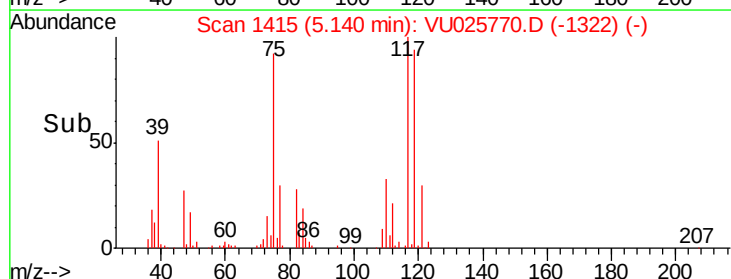
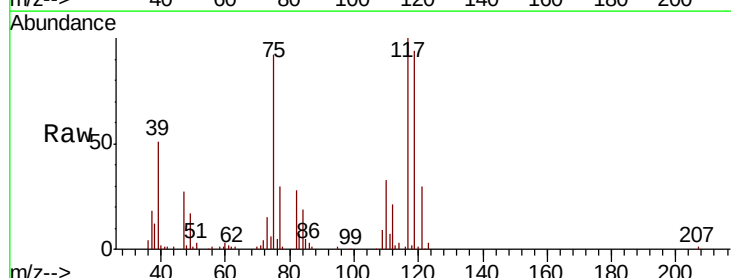
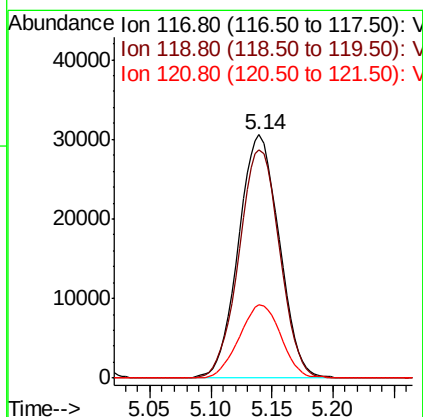
Manual Integrations
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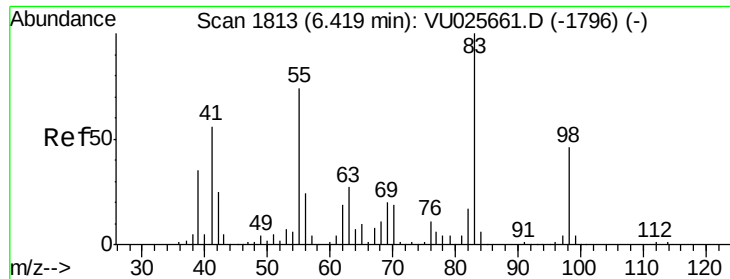
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#38
Carbon Tetrachloride
Concen: 20.497 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion:	117	Resp:	70623
Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.7	113.5
121	30.0	24.6	36.8





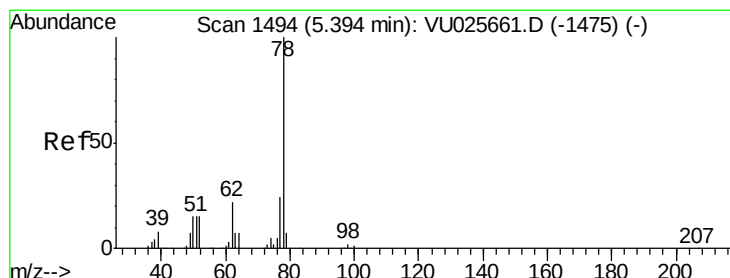
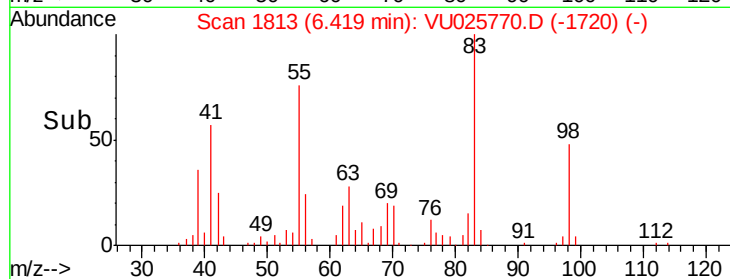
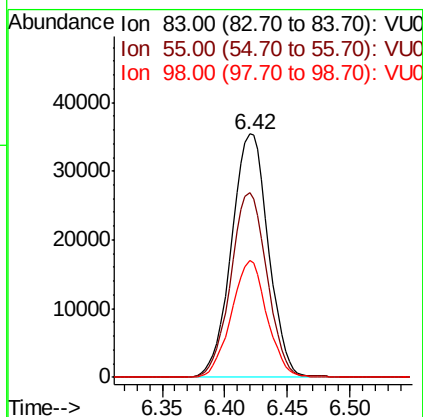
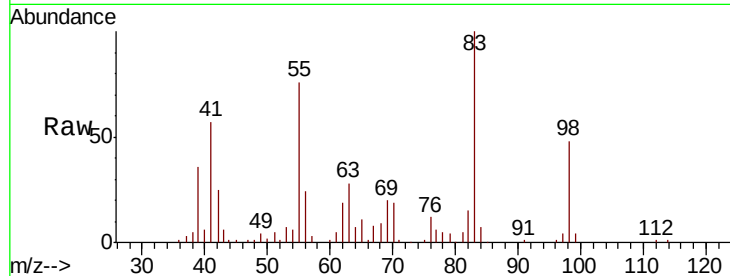
#39
Methylvlcyclohexane
Concen: 20.769 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.0	90.0
98	48.0	36.1	54.1

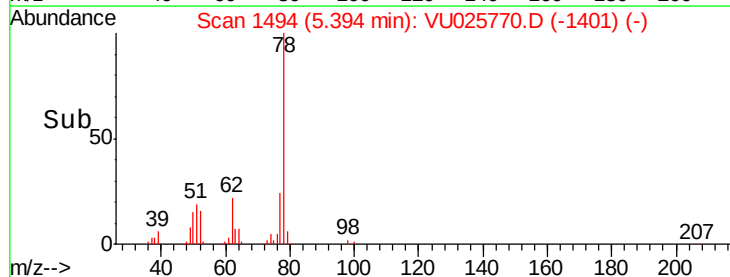
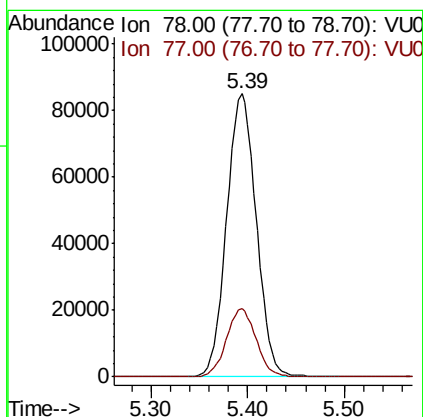
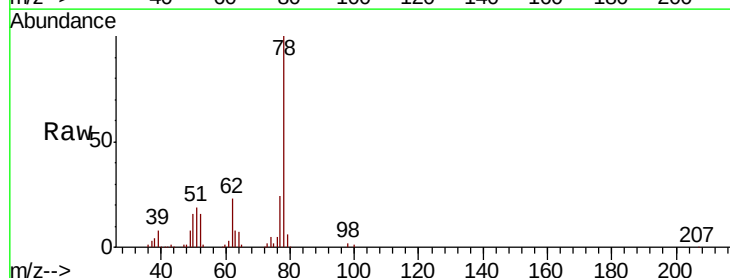
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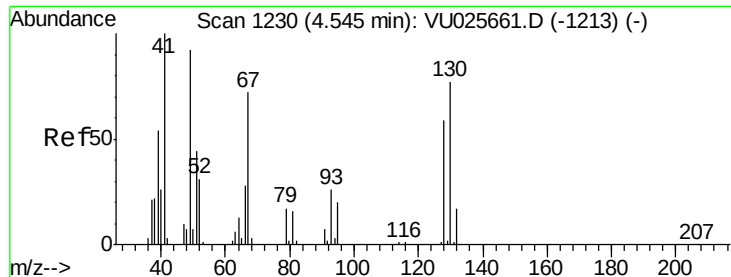
MMDadoda
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#40
Benzene
Concen: 20.402 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.8	29.6





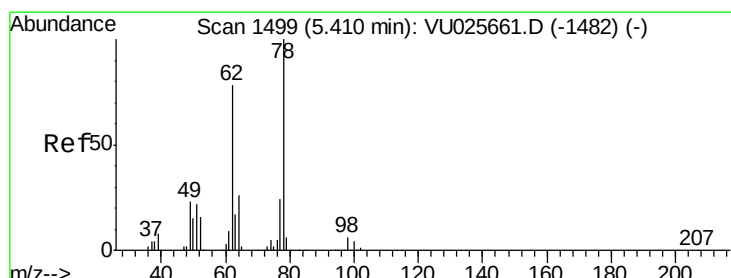
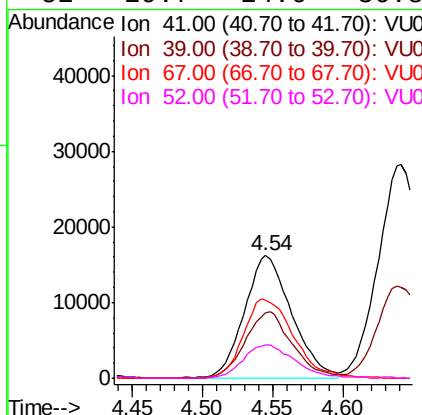
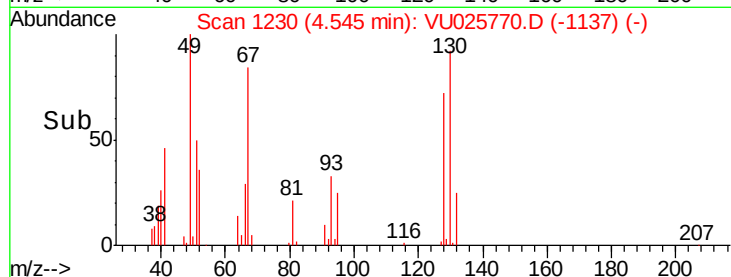
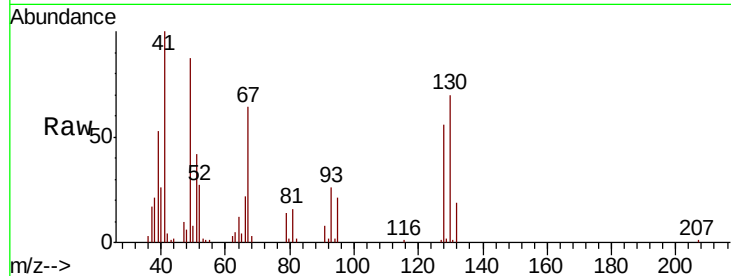
#41
Methacrylonitrile
Concen: 21.702 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	44.4	66.6	
67	68.5	56.0	84.0	
52	29.7	24.6	36.8	

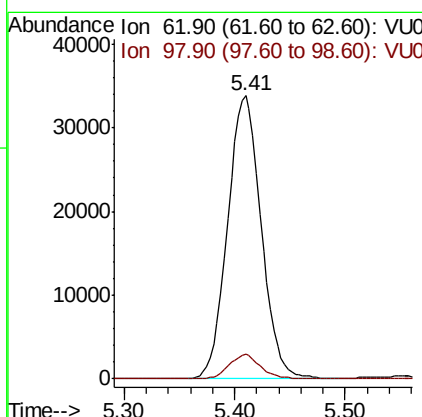
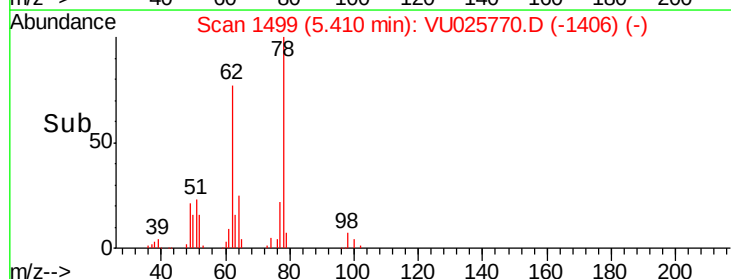
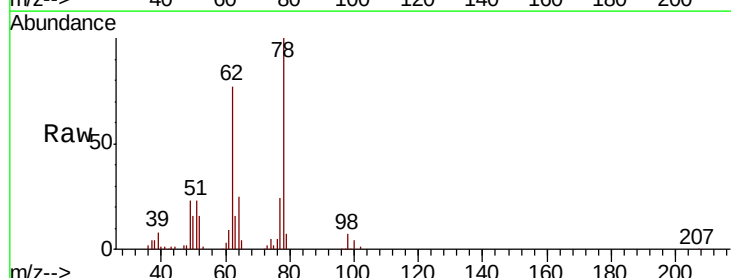
Manual Integrations
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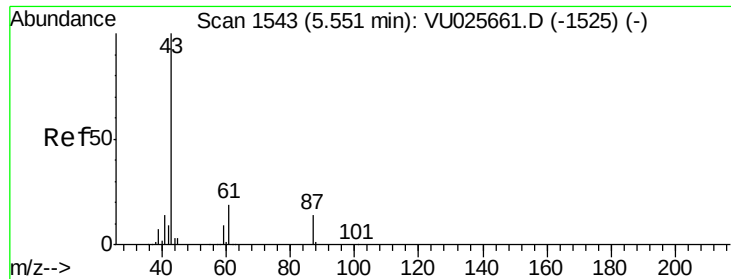
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.885 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	16.4	





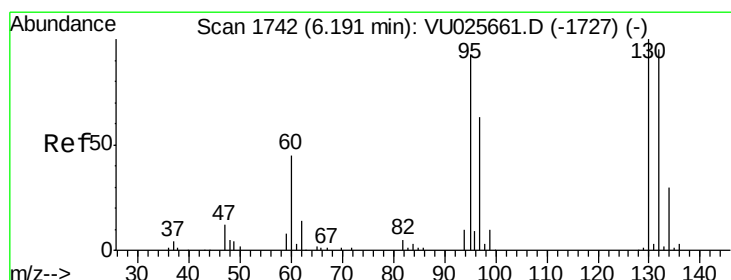
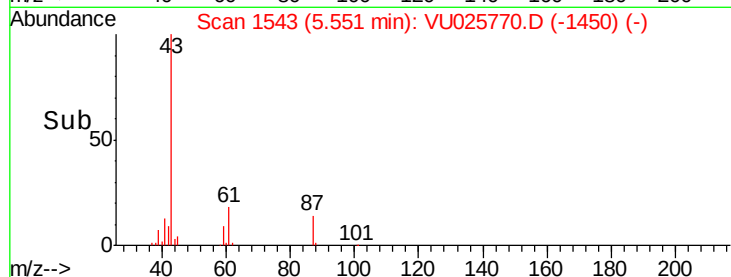
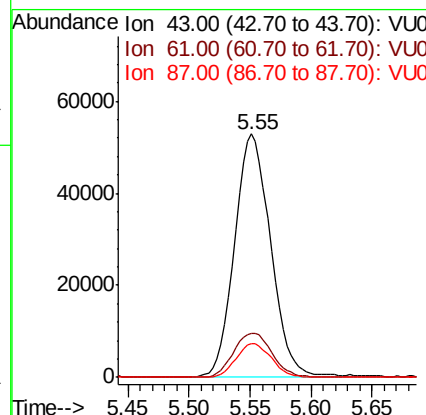
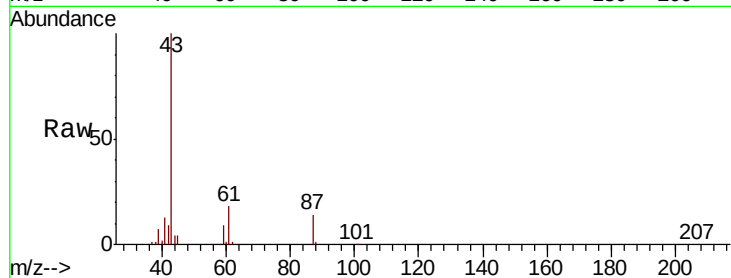
#43
Isopropyl Acetate
Concen: 20.667 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampled :
VU0801MBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.5	23.3
87	13.8	10.6	16.0

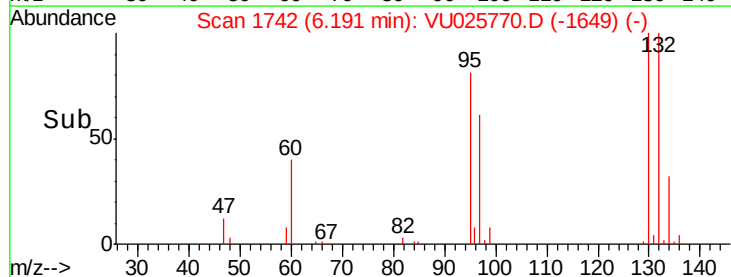
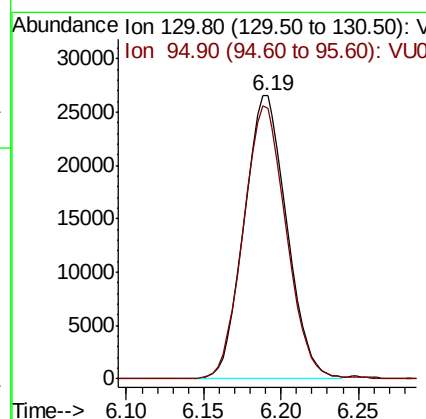
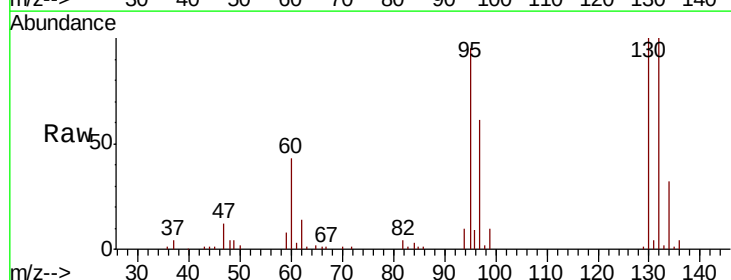
Manual Integrations
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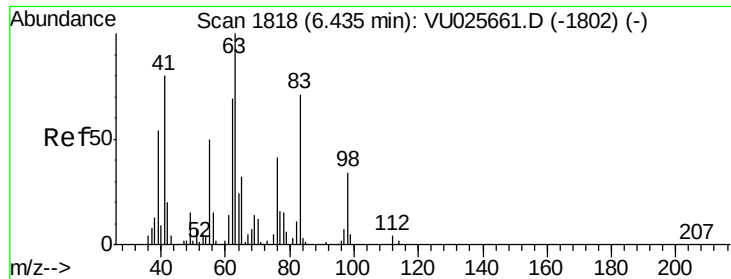
MMDadoda
8/2/2018 9:44:57 AM



#44
Trichloroethene
Concen: 20.577 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	192.2





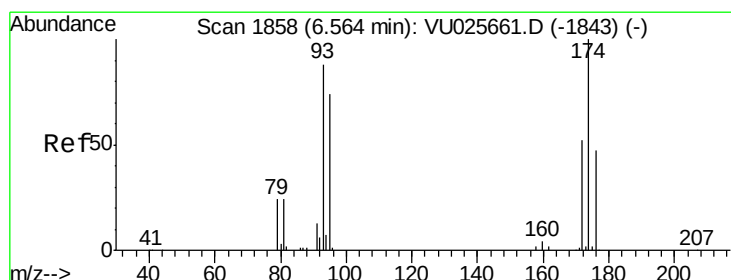
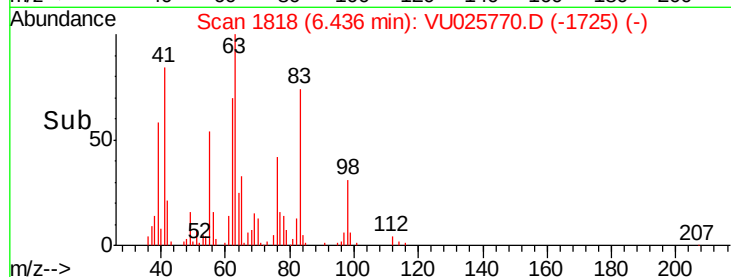
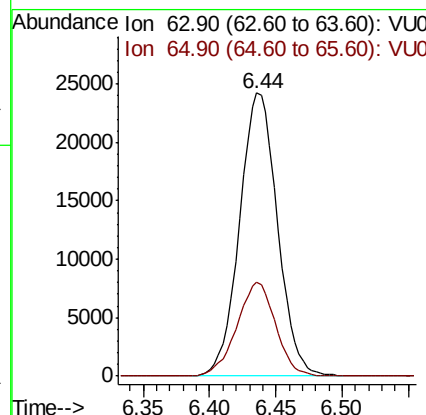
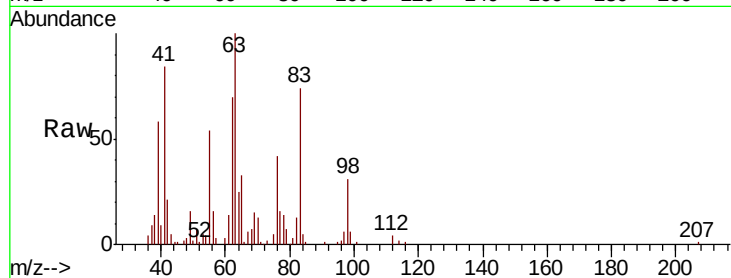
#45
 1,2-Dichloropropane
 Concen: 20.723 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

Tot Ion: 63 Resp: 48056
 Ion Ratio Lower Upper
 63 100
 65 33.4 26.1 39.1

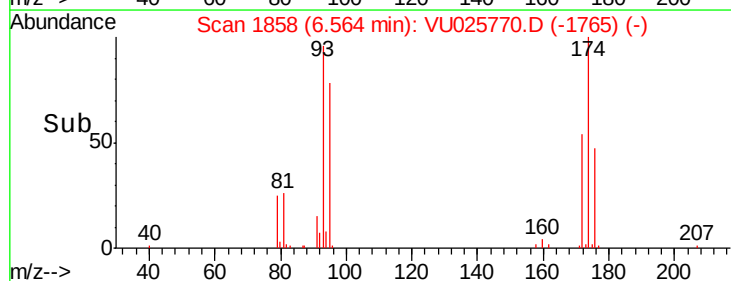
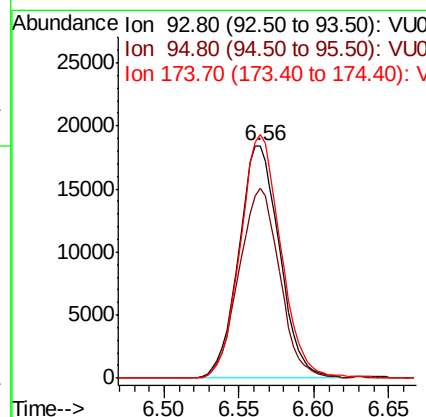
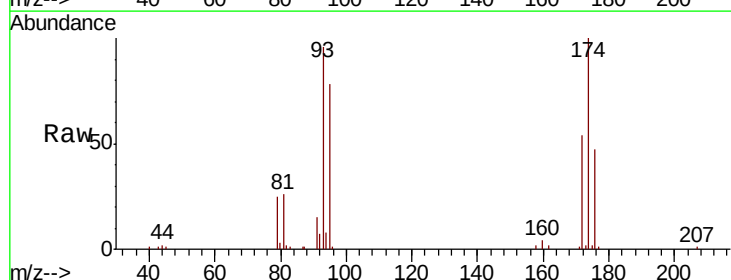
Manual Integrations
 APPROVED

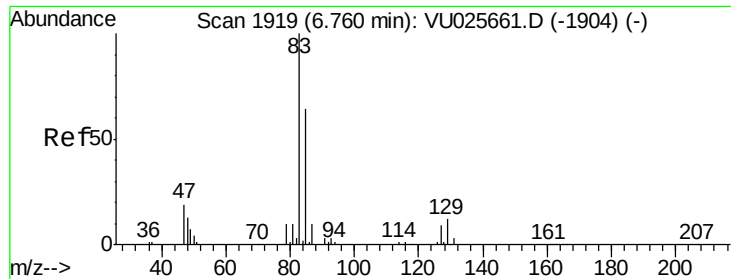
MMDadoda
 8/2/2018 9:44:57 AM



#46
 Dibromomethane
 Concen: 20.827 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion: 93 Resp: 34996
 Ion Ratio Lower Upper
 93 100
 95 81.1 66.6 100.0
 174 104.5 85.8 128.8





#47

Bromodichloromethane

Concen: 20.759 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

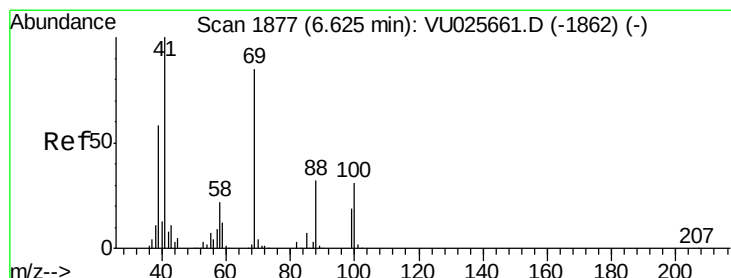
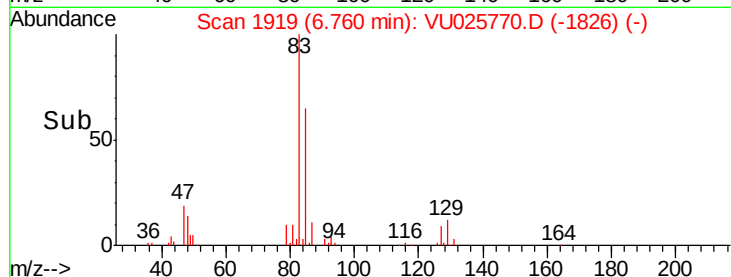
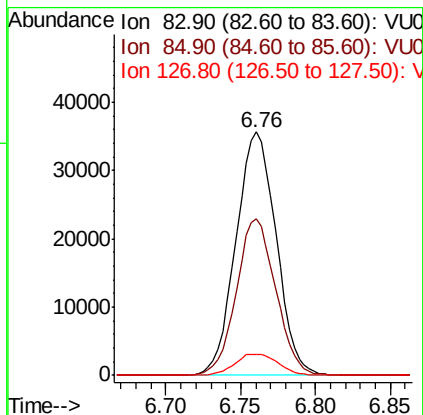
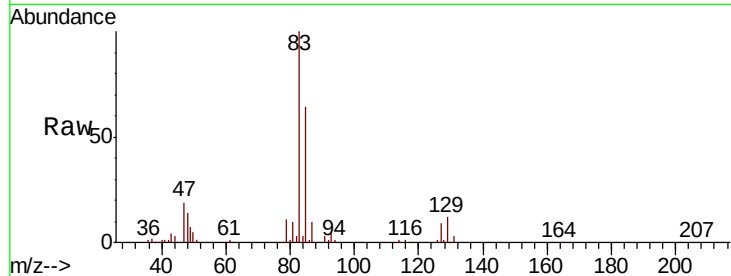
ClientSampleId :

VU0801MBSD02

Tot Ion:	83	Resp:	66536
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.2	75.4
127	8.8	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:44:57 AM



#48

Methyl methacrylate

Concen: 21.247 ug/l

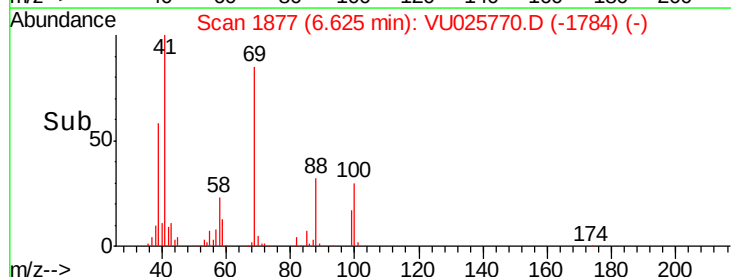
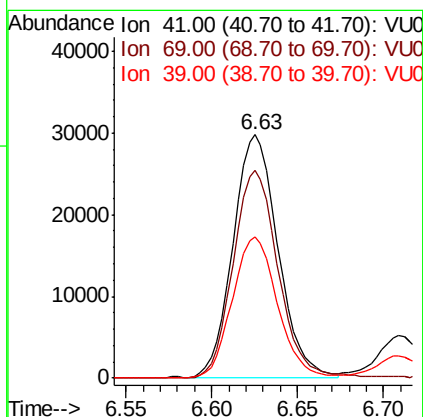
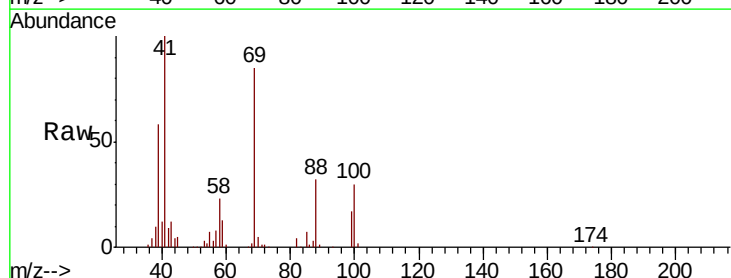
RT: 6.63 min Scan# 1877

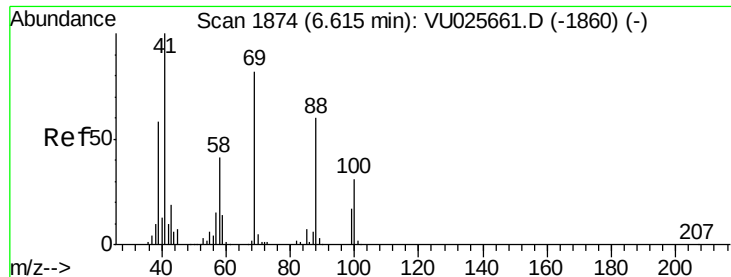
Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Tgt Ion:	41	Resp:	54277
Ion	Ratio	Lower	Upper
41	100		
69	85.3	65.0	97.4
39	58.1	46.4	69.6





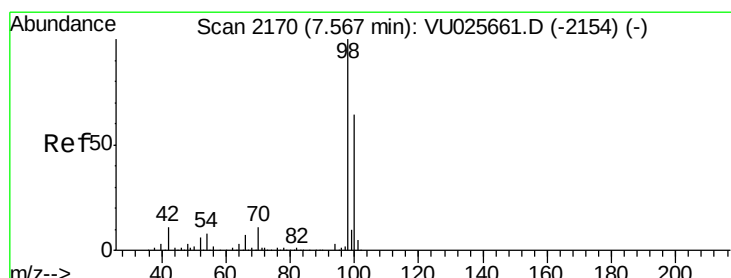
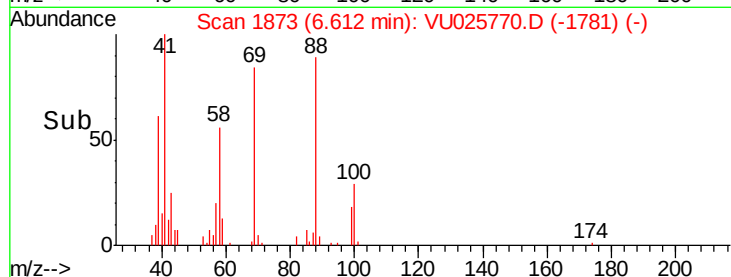
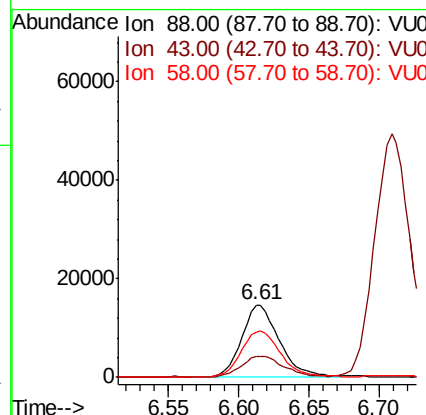
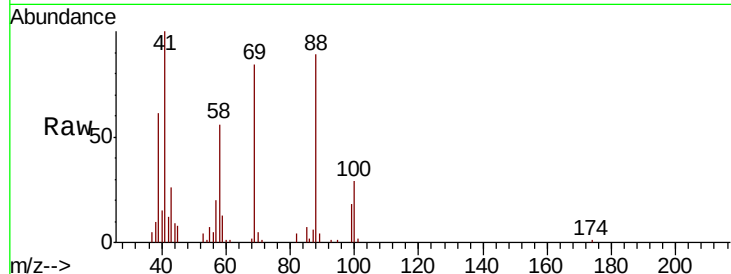
#49
1,4-Dioxane
Concen: 442.159 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	27.3	40.9
58	67.7	57.6	86.4

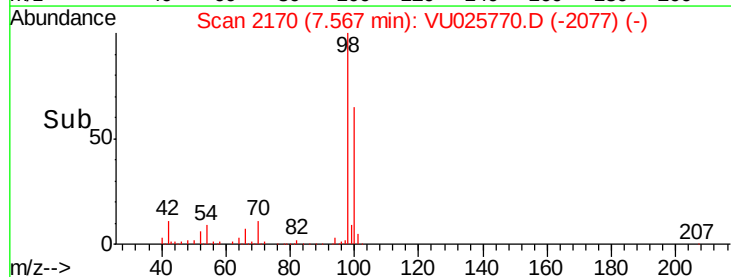
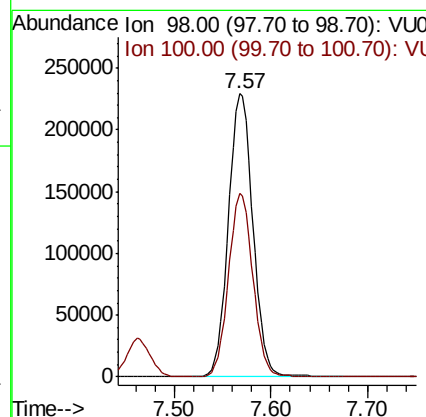
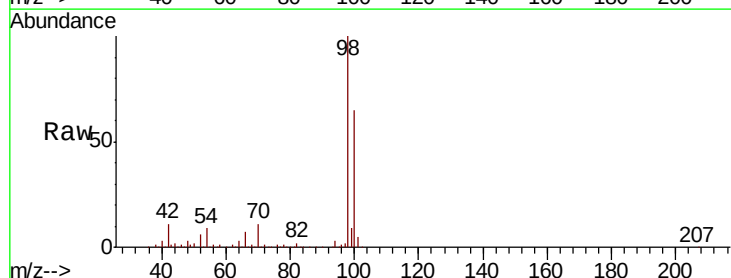
Manual Integrations
APPROVED

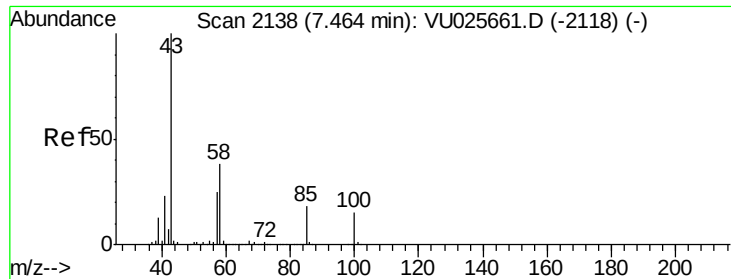
MMDadoda
8/2/2018 9:44:57 AM



#50
Toluene-d8
Concen: 50.967 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 105.462 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD02

Tot Ion: 43 Resp: 344143

Ion Ratio Lower Upper

43 100

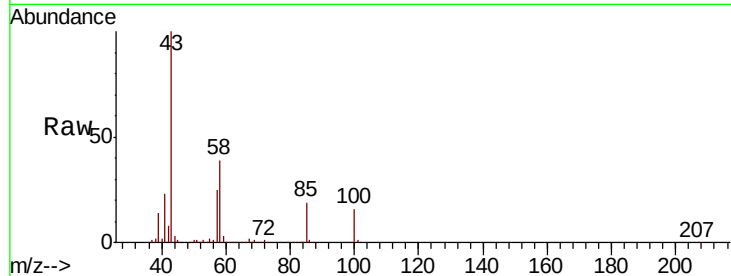
58 38.7 31.0 46.4

Manual Integrations

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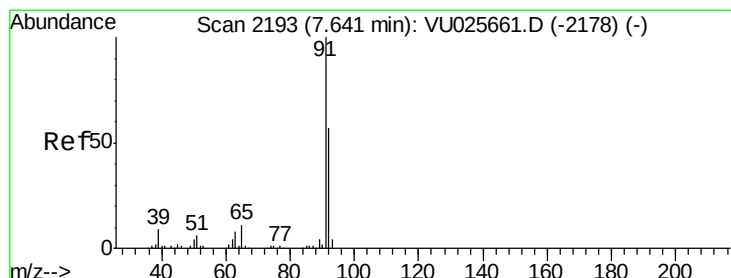
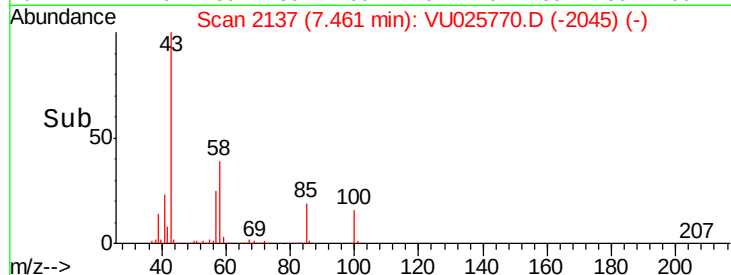
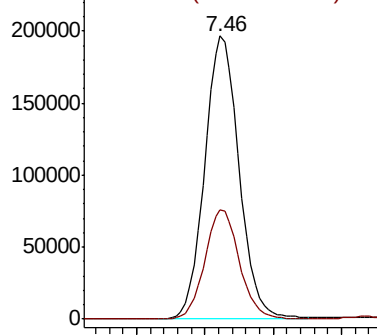
MMDadoda

8/2/2018 9:44:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 20.716 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025770.D

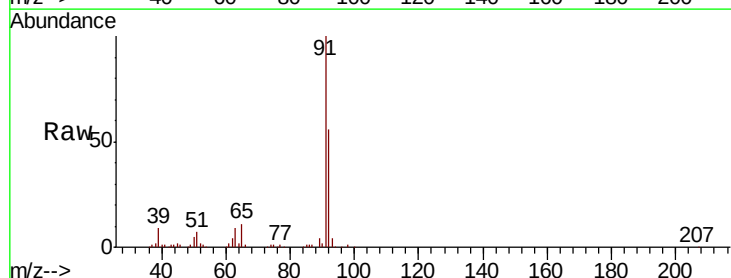
Acq: 01 Aug 2018 12:30

Tgt Ion: 92 Resp: 114437

Ion Ratio Lower Upper

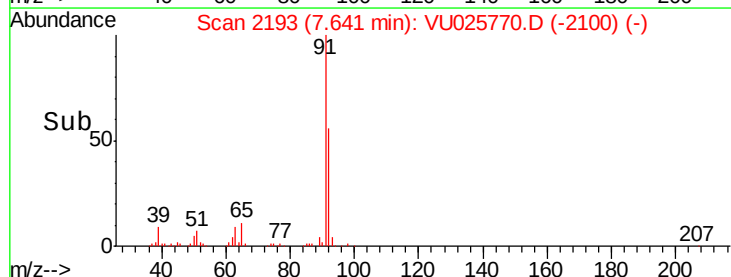
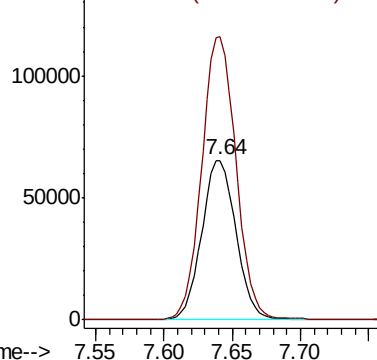
92 100

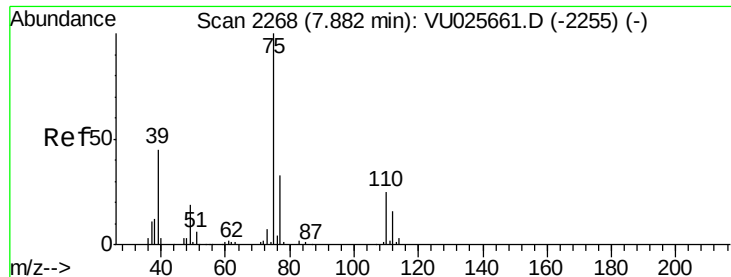
91 176.9 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 20.705 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleID :

VU0801MBSD02

Tot Ion: 75 Resp: 74516

Ion Ratio Lower Upper

75 100

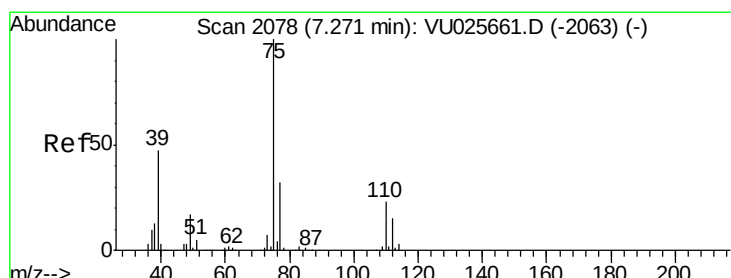
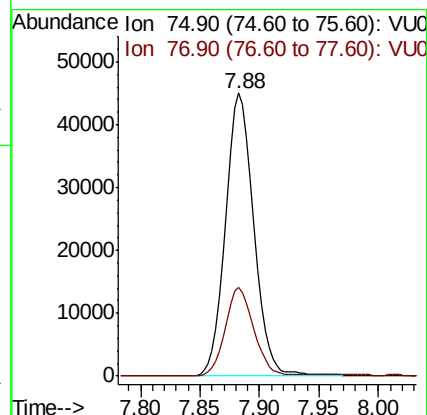
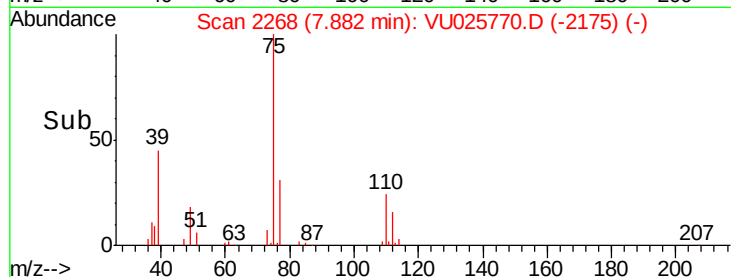
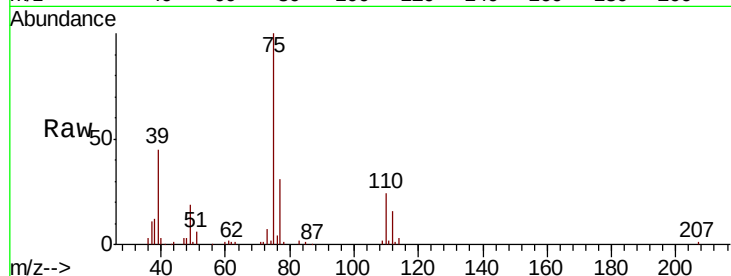
77 31.2 24.5 36.7

Manual Integrations

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8/2/2018 9:44:57 AM



#54

cis-1,3-Dichloropropene

Concen: 21.036 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

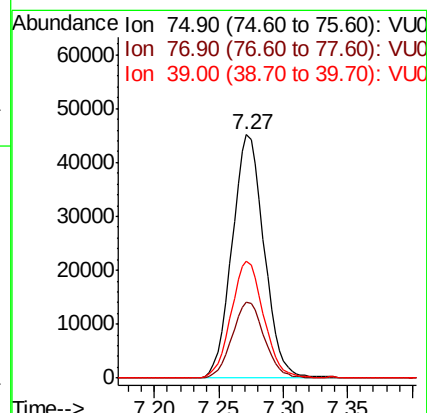
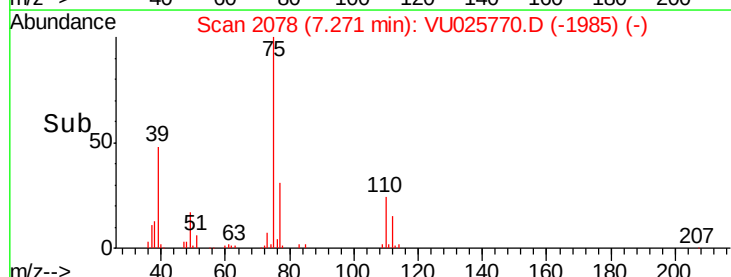
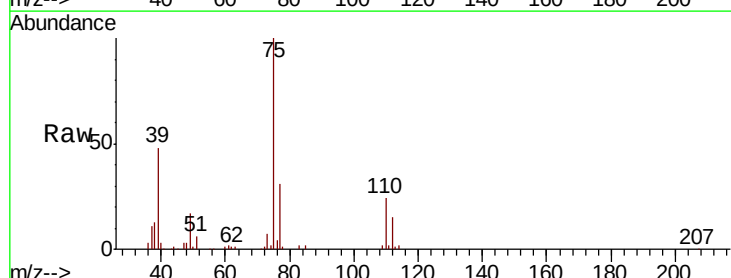
Tgt Ion: 75 Resp: 77766

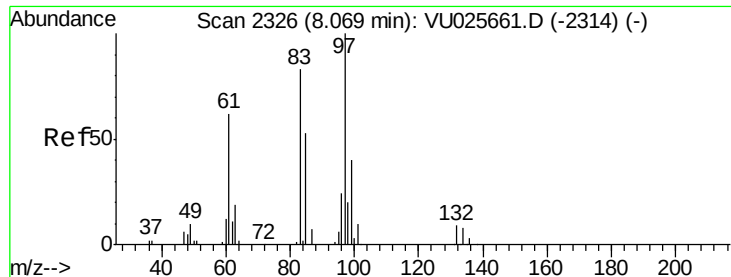
Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

39 47.8 40.0 60.0





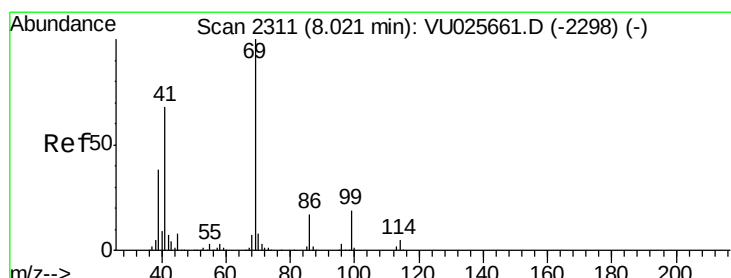
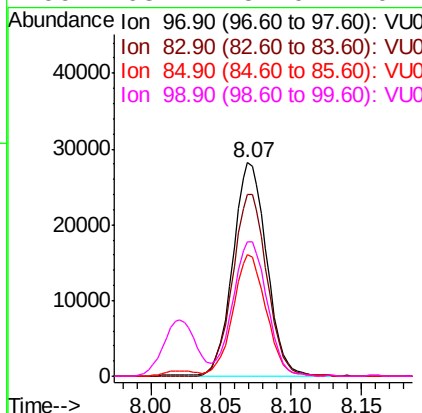
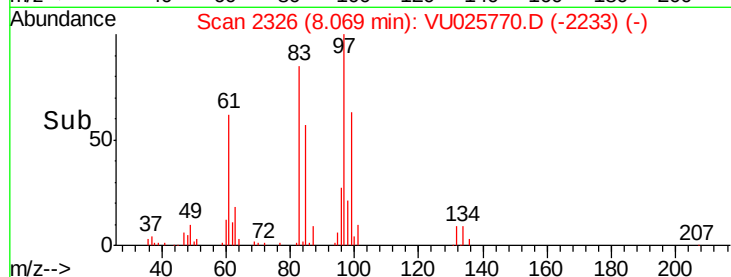
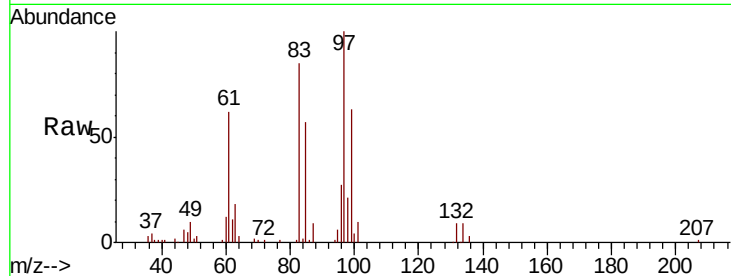
#55
 1,1,2-Trichloroethane
 Concen: 20.668 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

Tot Ion:	97	Resp:	47448
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.9	103.3
85	57.2	44.4	66.6
99	63.1	51.0	76.4

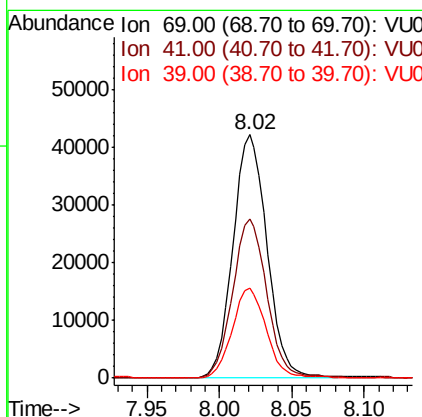
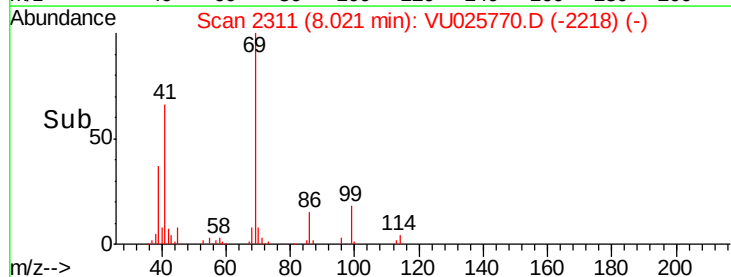
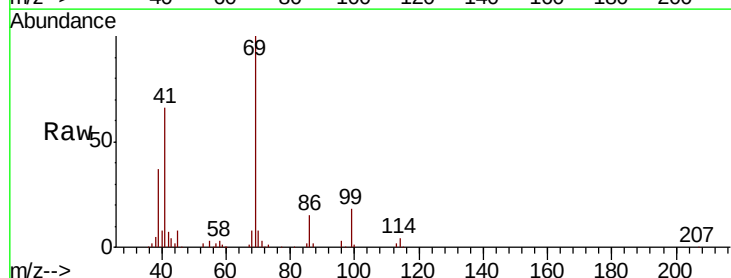
Manual Integrations
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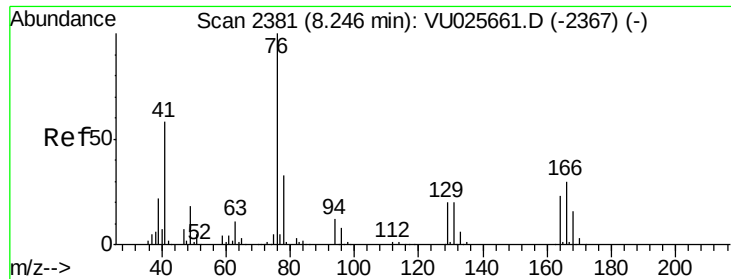
MMDadoda
 8/2/2018 9:44:57 AM



#56
 Ethyl methacrylate
 Concen: 20.961 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion:	69	Resp:	68754
Ion	Ratio	Lower	Upper
69	100		
41	66.0	54.8	82.2
39	37.1	31.1	46.7





#57

1,3-Dichloropropane

Concen: 20.865 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD02

Tot Ion: 76 Resp: 80552

Ion Ratio Lower Upper

76 100

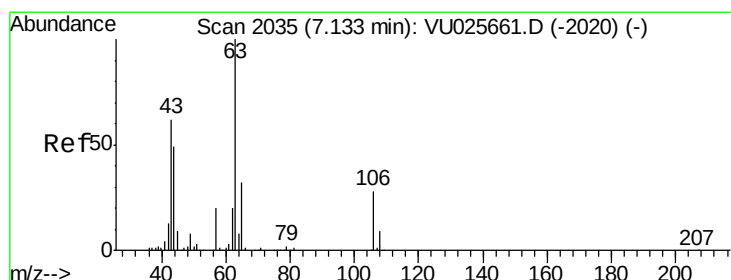
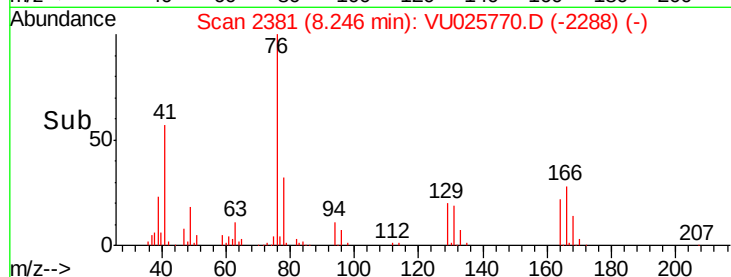
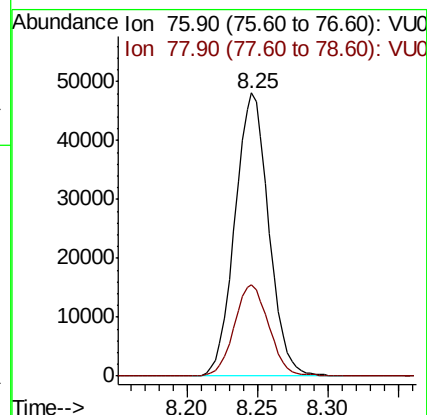
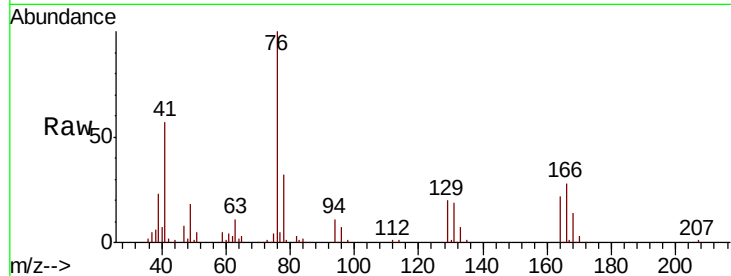
78 33.0 26.1 39.1

Manual Integrations

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MMDadoda

8/2/2018 9:44:57 AM



#58

2-Chloroethyl Vinyl ether

Concen: 96.025 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025770.D

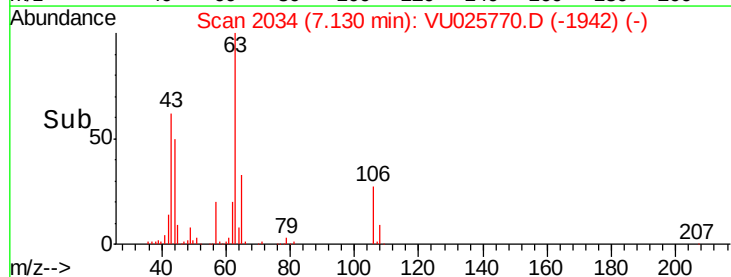
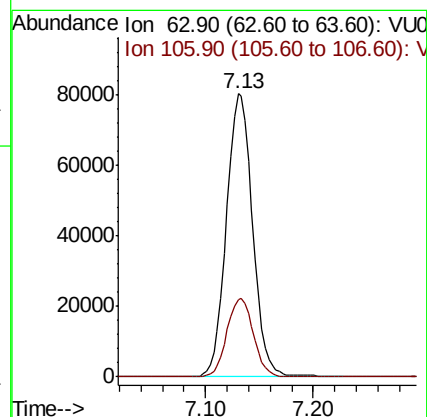
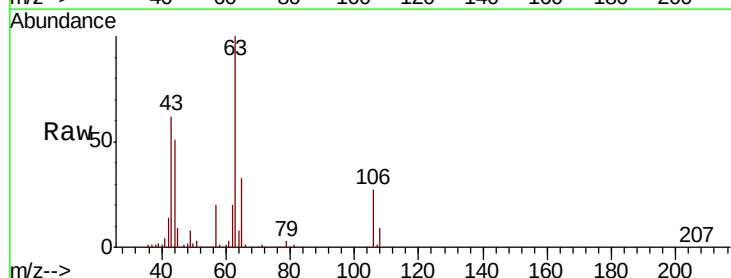
Acq: 01 Aug 2018 12:30

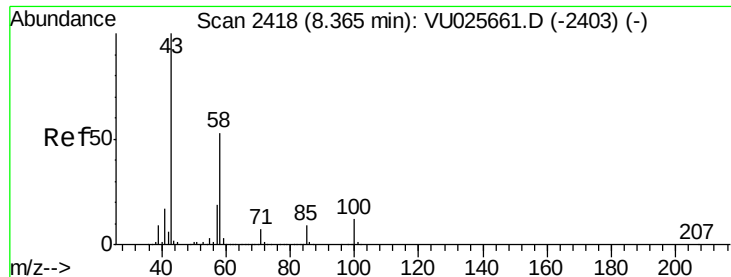
Tgt Ion: 63 Resp: 135966

Ion Ratio Lower Upper

63 100

106 28.0 22.3 33.5





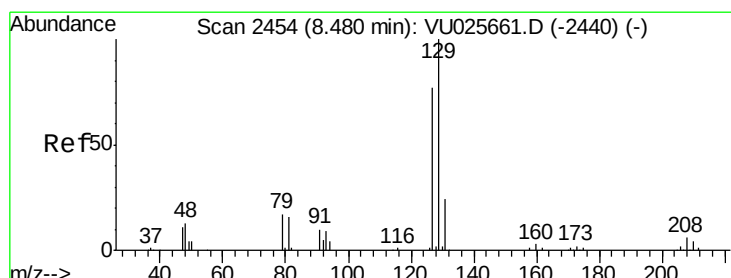
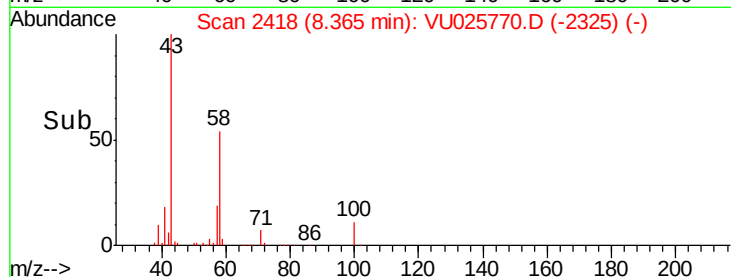
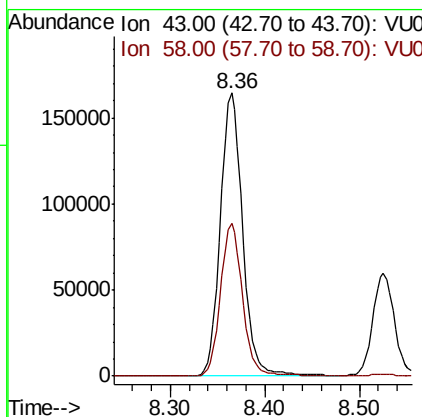
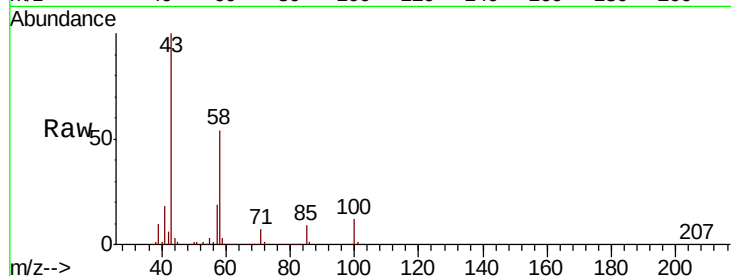
#59
2-Hexanone
Concen: 105.397 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampled :
VU0801MBSD02

Tot Ion	43	Resp	269600
Ion Ratio	100	Lower	Upper
43	100		
58	53.2	26.2	78.5

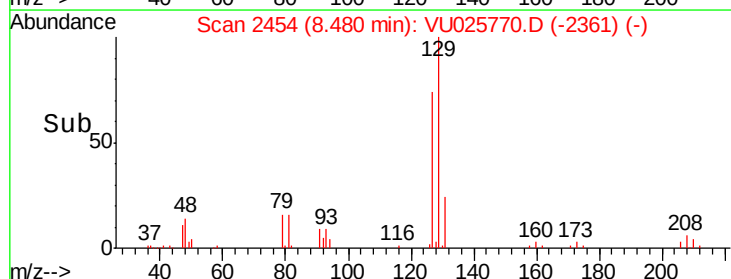
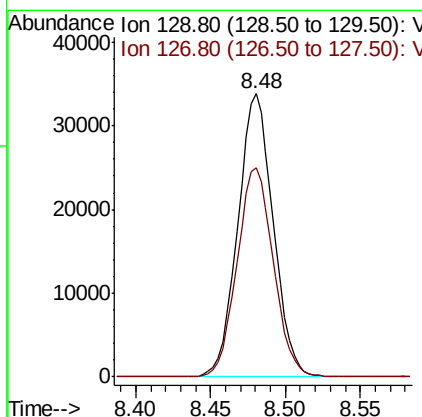
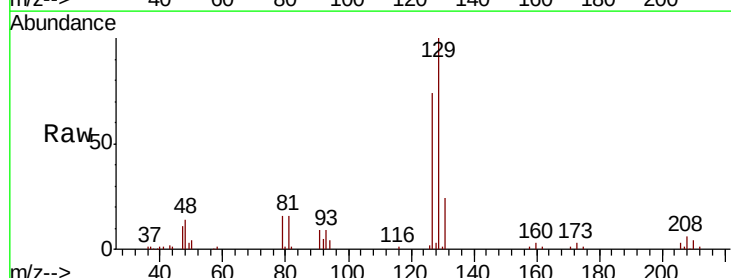
Manual Integrations
APPROVED

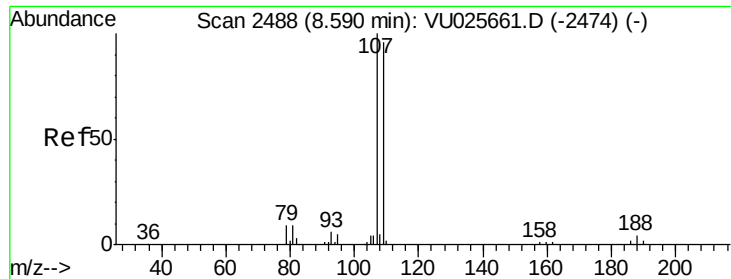
MMDadoda
8/2/2018 9:44:57 AM



#60
Dibromochloromethane
Concen: 20.562 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion	129	Resp	55666
Ion Ratio	100	Lower	Upper
129	100		
127	75.9	38.6	115.8





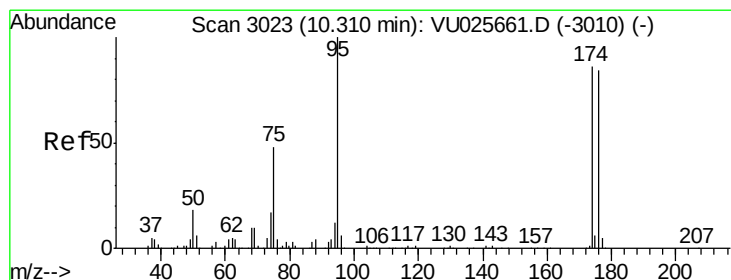
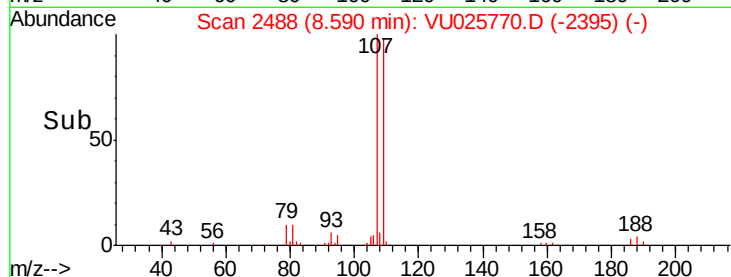
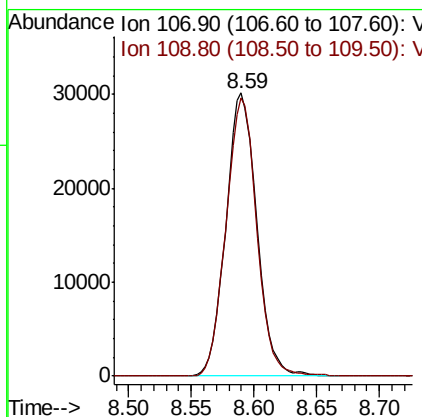
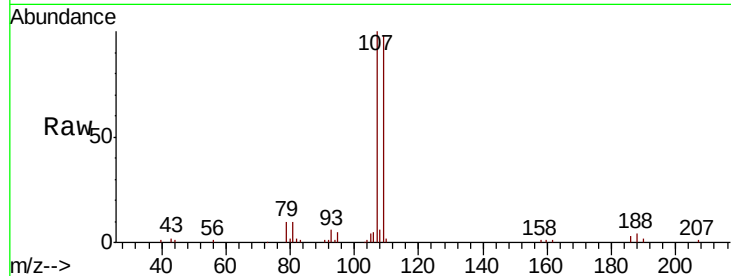
#61
 1,2-Dibromoethane
 Concen: 20.185 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.8	113.8

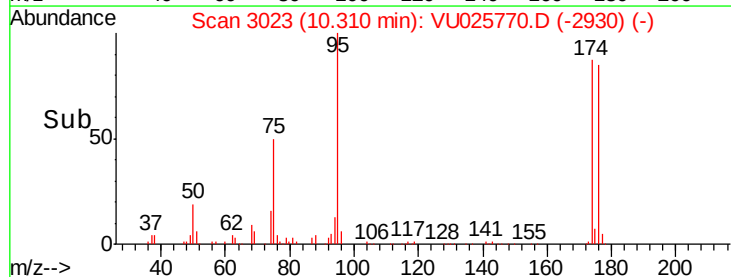
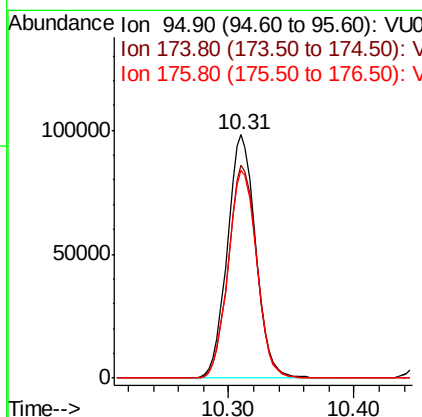
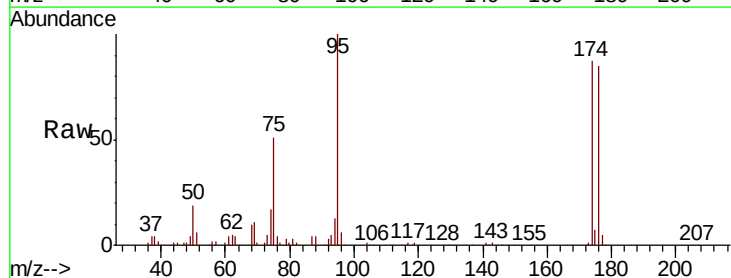
Manual Integrations
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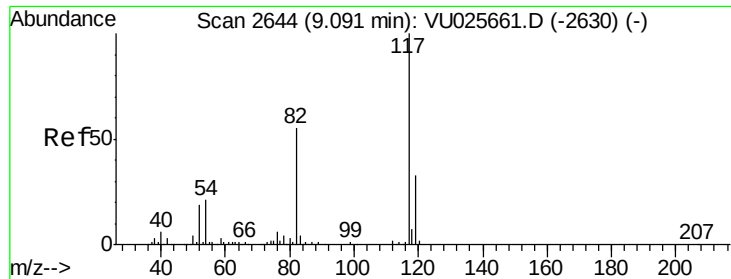
MMDadoda
 8/2/2018 9:44:57 AM



#62
 4-Bromofluorobenzene
 Concen: 49.771 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	172.2
176	86.4	0.0	162.6





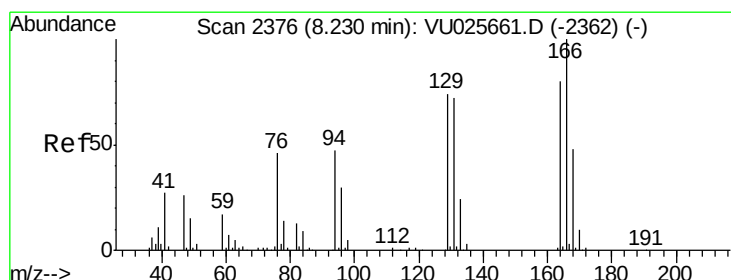
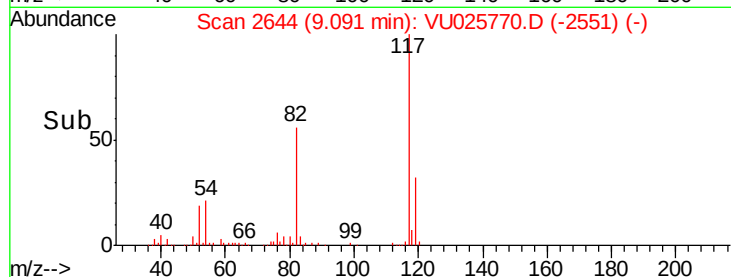
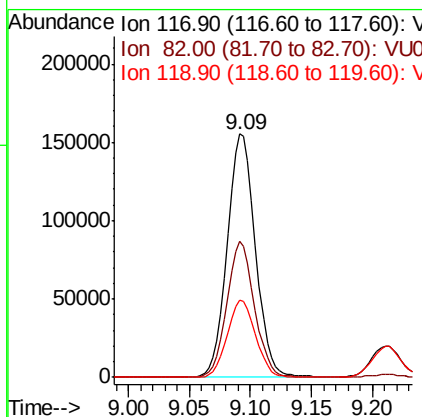
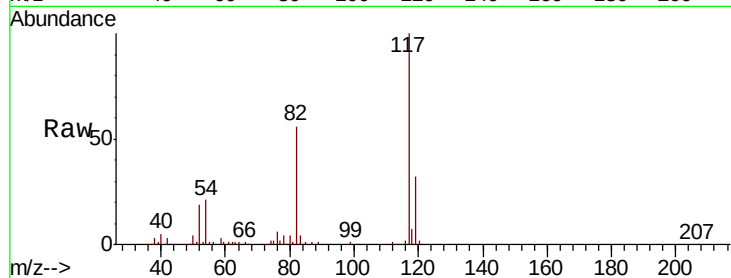
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	251442		
82	55.7	46.0	69.0	
119	31.6	26.0	39.0	

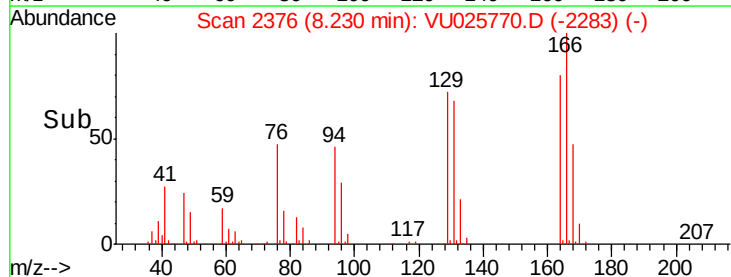
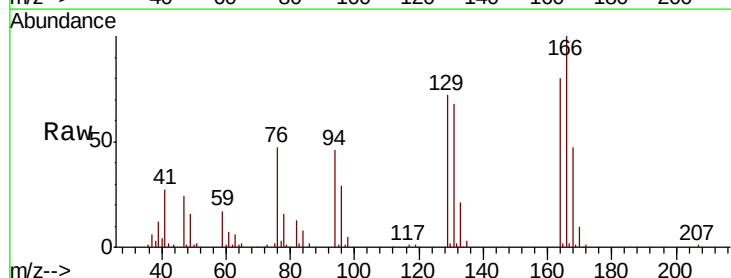
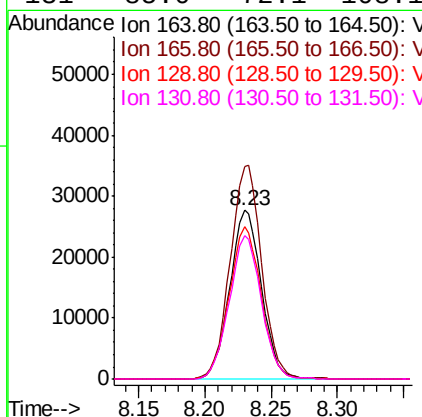
Manual Integrations
APPROVED

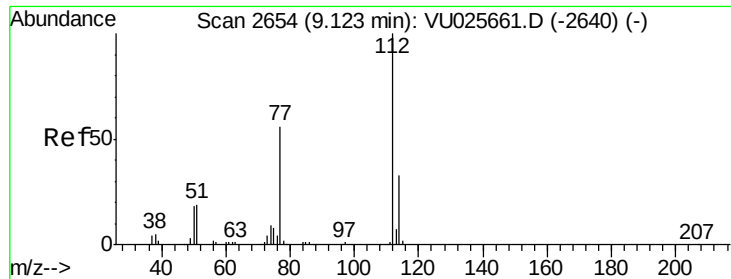
MMDadoda
8/2/2018 9:44:57 AM



#64
Tetrachloroethene
Concen: 20.767 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45961		
166	125.6	101.1	151.7	
129	89.9	73.0	109.6	
131	85.0	72.1	108.1	





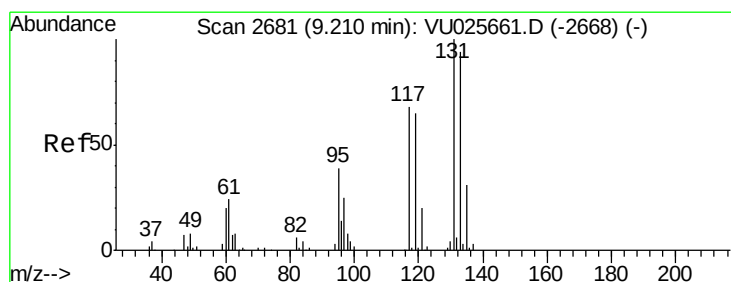
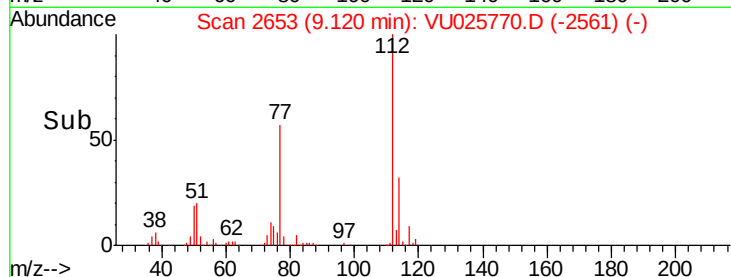
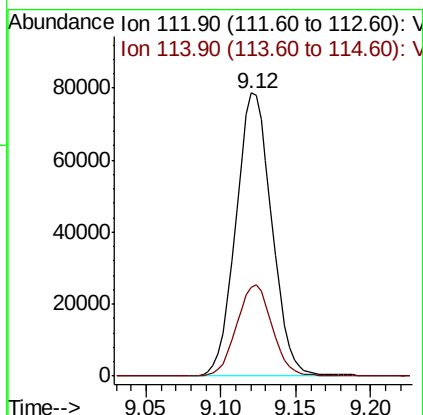
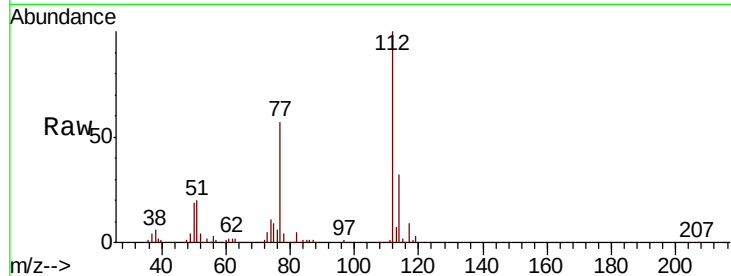
#65
Chlorobenzene
Concen: 20.251 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.8	38.8

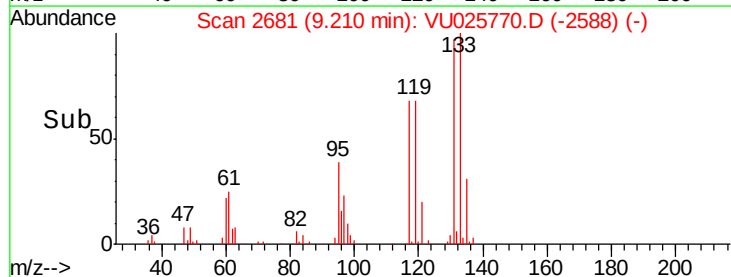
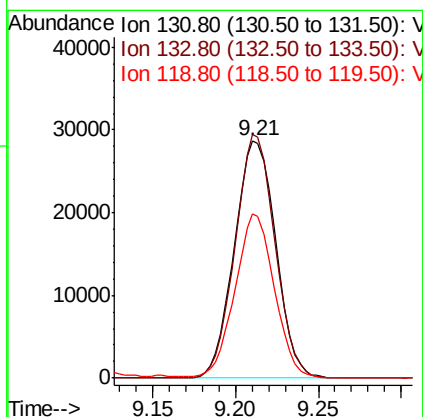
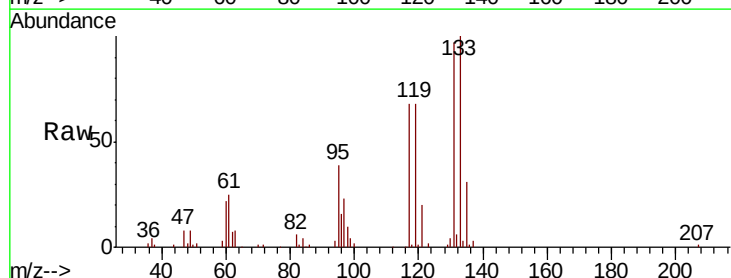
Manual Integrations
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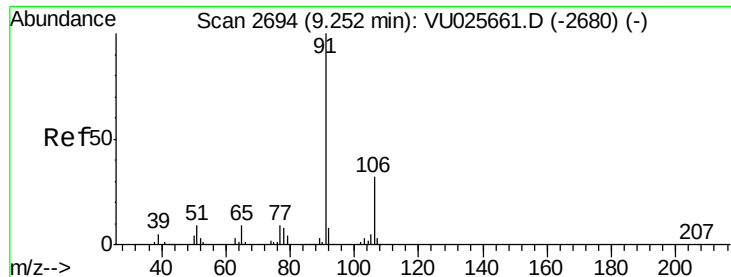
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.254 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.8	47.8	143.3
119	65.9	31.6	95.0





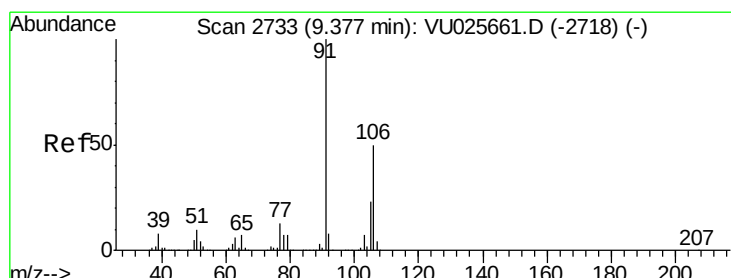
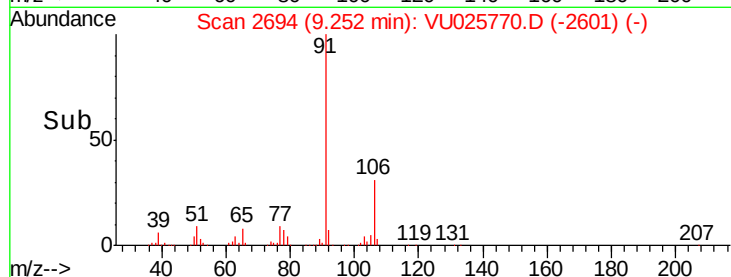
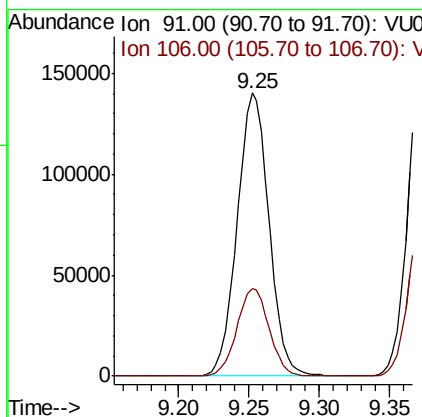
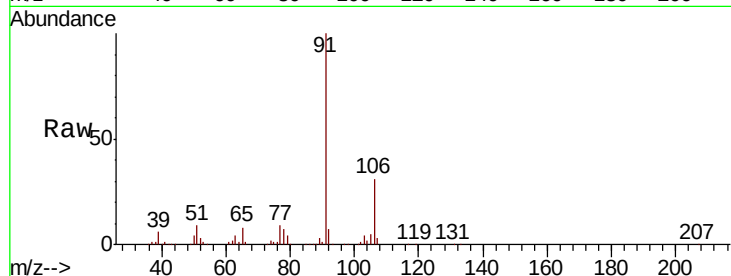
#67
Ethyl Benzene
Concen: 20.645 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

Tot Ion: 91 Resp: 221695
Ion Ratio Lower Upper
91 100
106 31.1 25.3 37.9

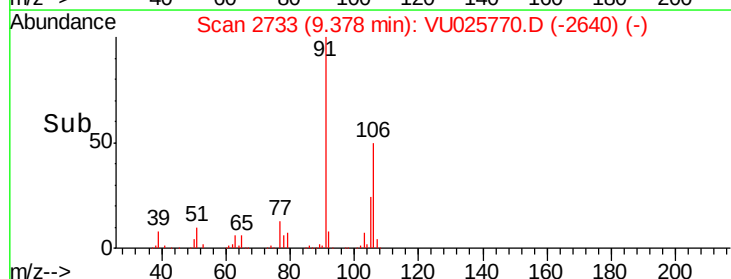
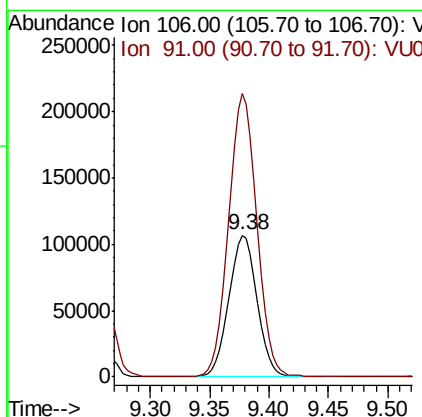
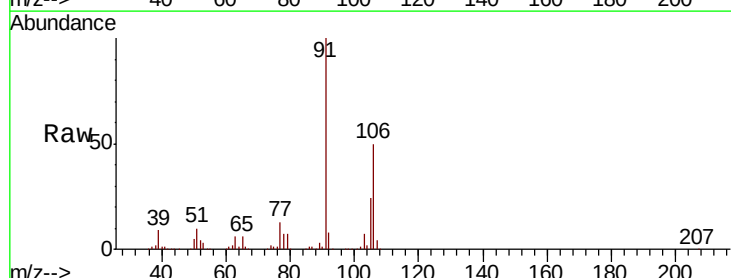
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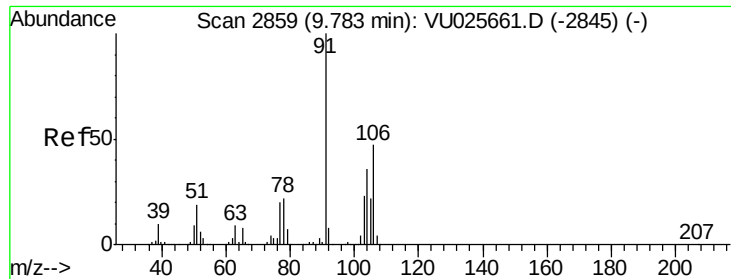
MMDadoda
8/2/2018 9:44:57 AM



#68
m/p-Xylenes
Concen: 42.444 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion: 106 Resp: 174983
Ion Ratio Lower Upper
106 100
91 199.6 162.3 243.5





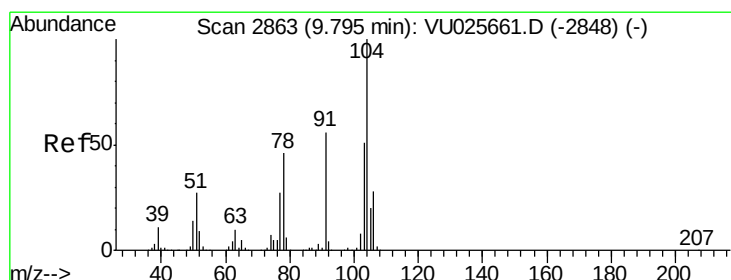
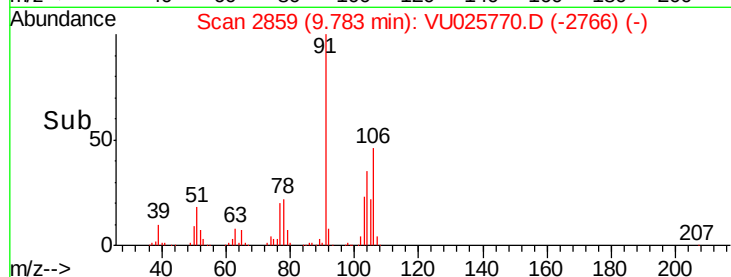
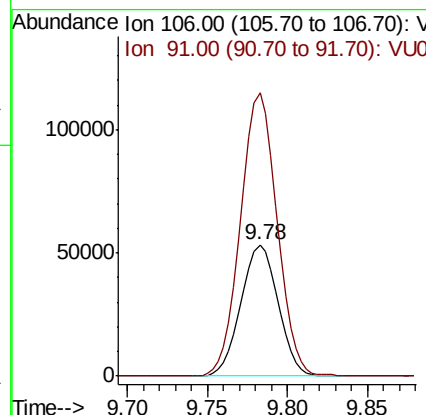
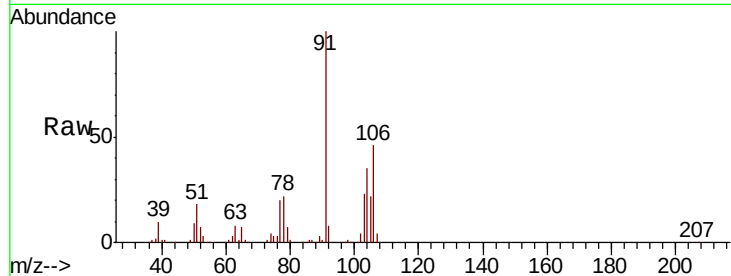
#69
o-Xylene
Concen: 20.908 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		84241		
91	212.3	105.3	315.8		

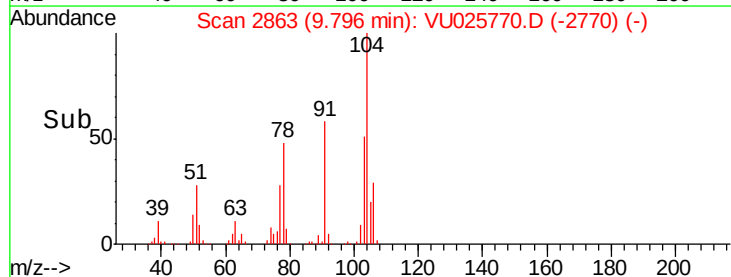
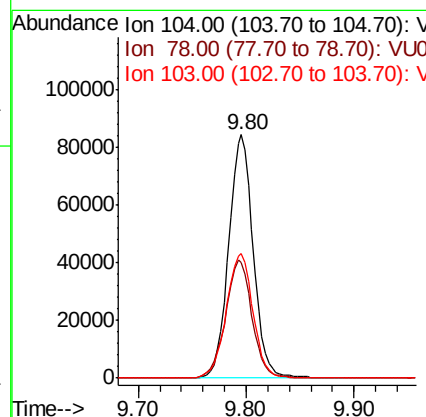
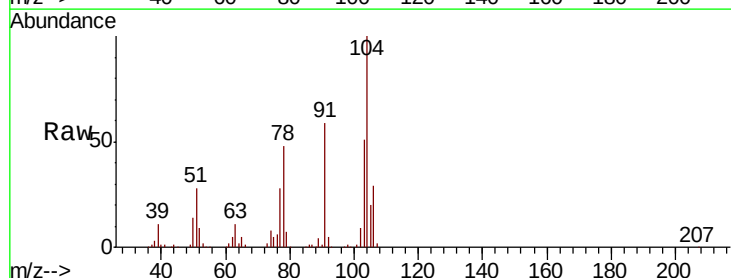
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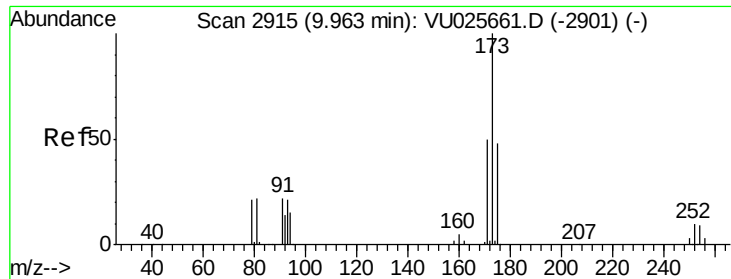
MMDadoda
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#70
Styrene
Concen: 20.520 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		133549		
78	52.2	41.6	62.4		
103	55.7	44.6	66.8		





#71

Bromoform

Concen: 20.614 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD02

Tot Ion:173 Resp: 41918

Ion Ratio Lower Upper

173 100

175 49.3 24.0 72.0

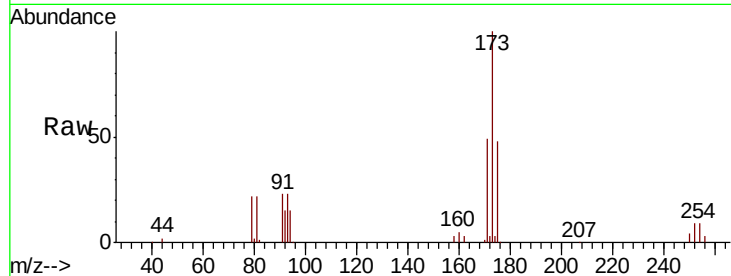
254 0.0 0.0 0.0

Manual Integrations

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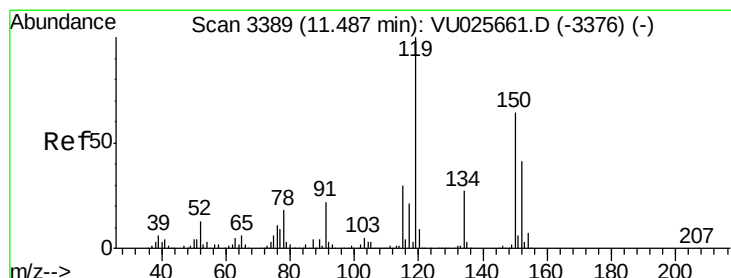
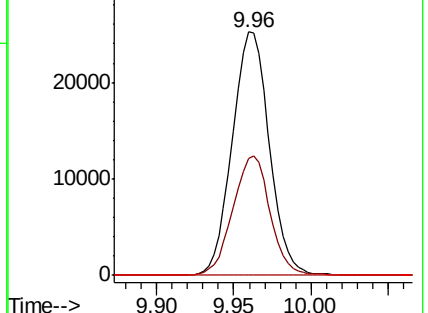
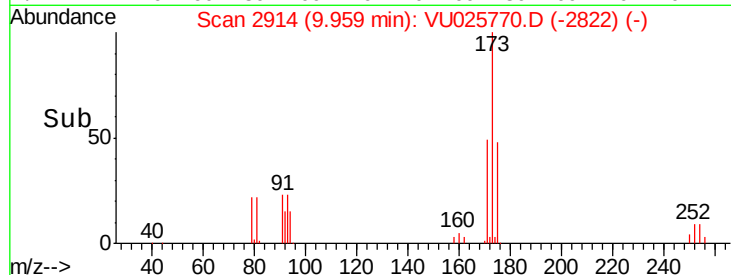
8/2/2018 9:44:57 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

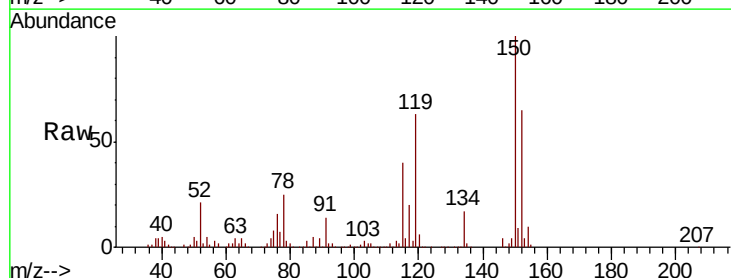
Tgt Ion:152 Resp: 155954

Ion Ratio Lower Upper

152 100

115 66.0 40.1 120.3

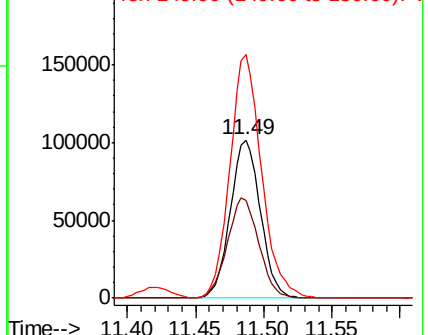
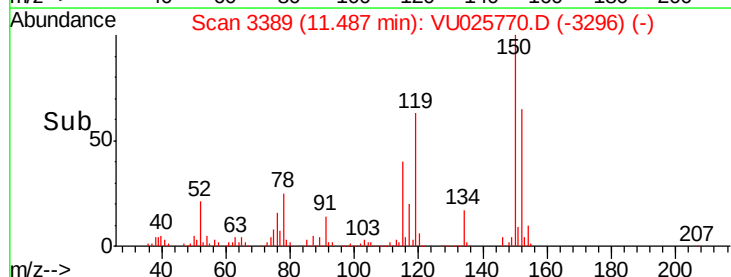
150 161.4 0.0 351.4

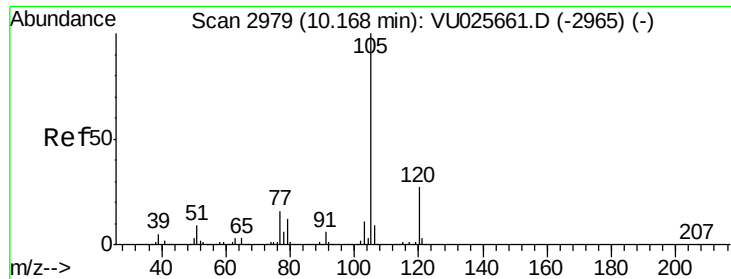


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.185 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD02

Tot Ion:105 Resp: 225499

Ion Ratio Lower Upper

105 100

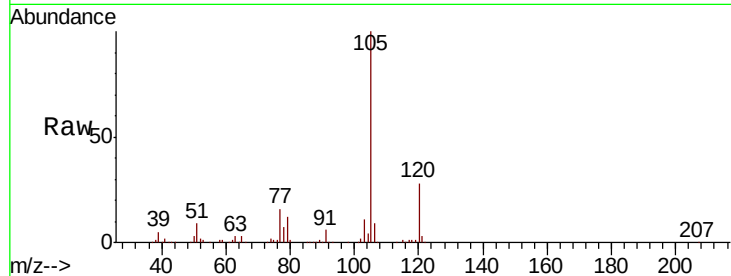
120 28.0 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

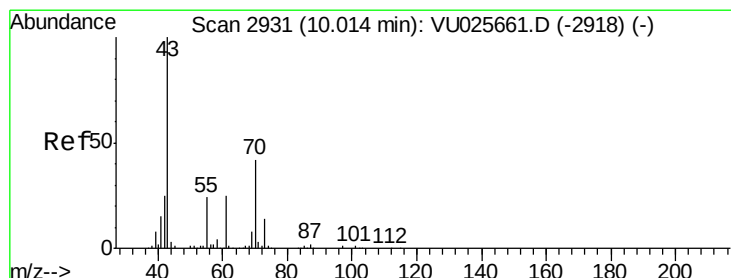
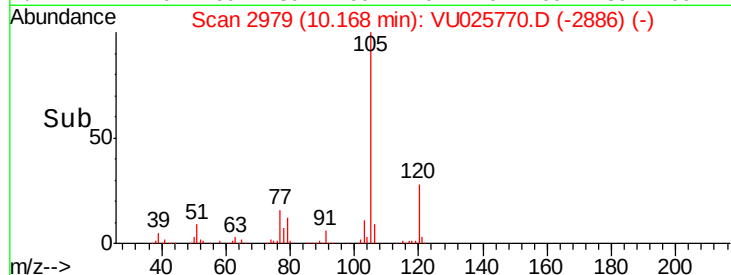
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.587 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Tgt Ion: 43 Resp: 93805

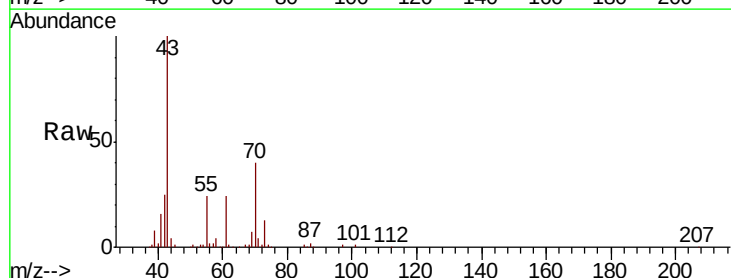
Ion Ratio Lower Upper

43 100

70 41.3 33.4 50.2

55 24.3 19.0 28.6

61 23.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

10.01

80000

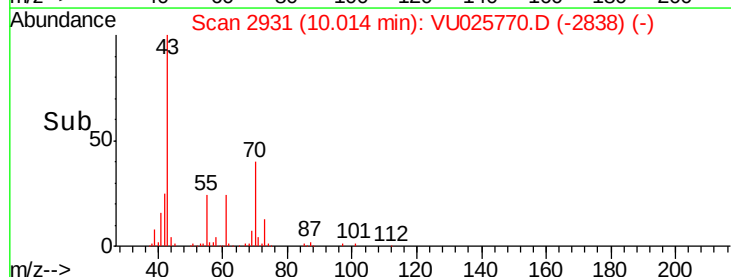
60000

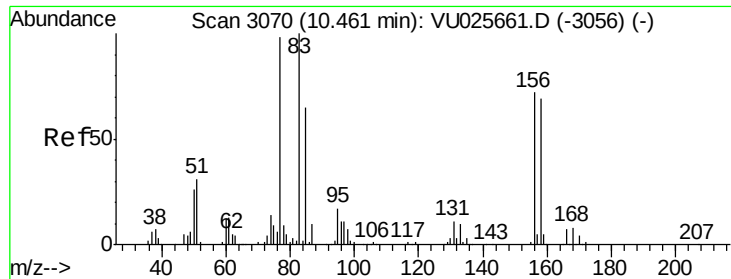
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.826 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBSD02

Tot Ion: 83 Resp: 76659

Ion Ratio Lower Upper

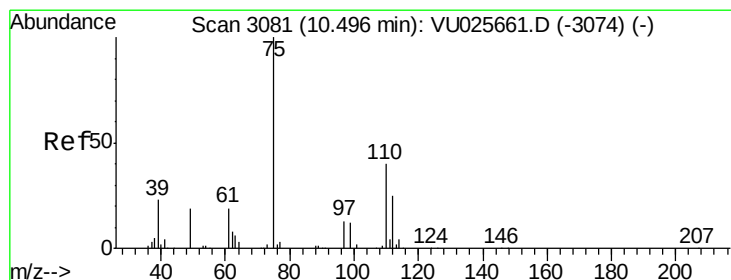
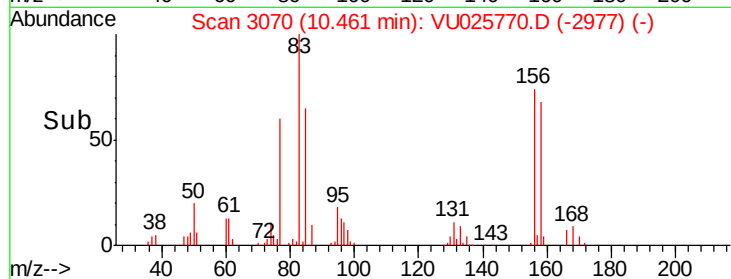
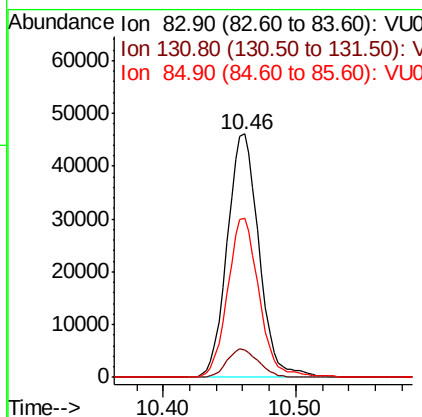
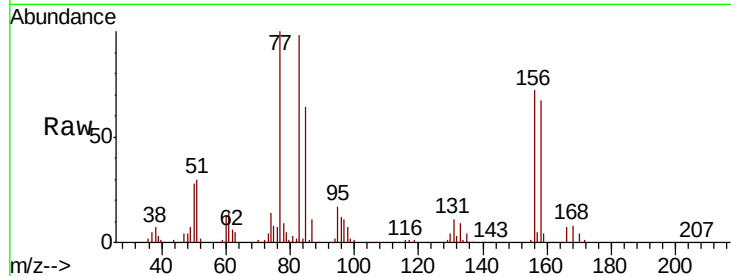
83 100

131 11.4 5.5 16.4

85 64.7 31.6 94.8

Manual Integrations
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8/2/2018 9:44:57 AM



#76

1,2,3-Trichloropropane

Concen: 19.525 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025770.D

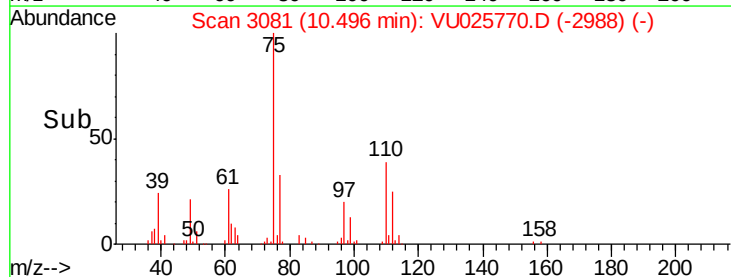
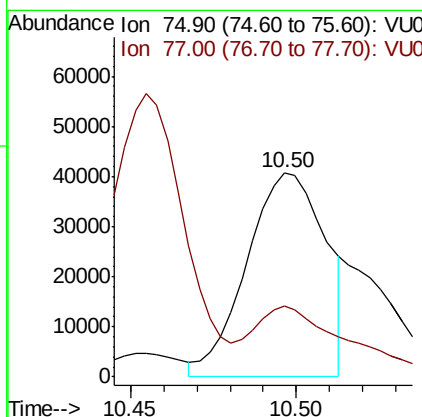
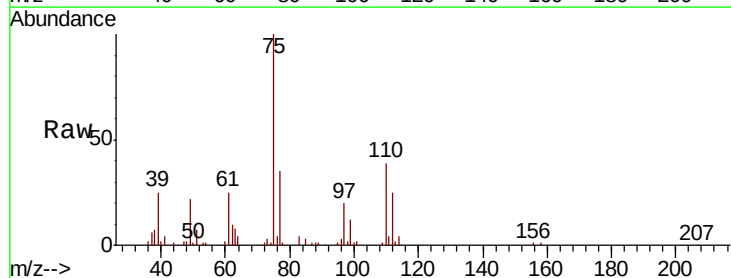
Acq: 01 Aug 2018 12:30

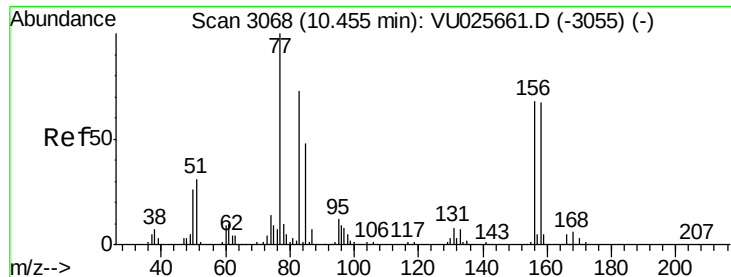
Tgt Ion: 75 Resp: 67091

Ion Ratio Lower Upper

75 100

77 42.7 20.4 61.3





#77

Bromobenzene

Concen: 21.095 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

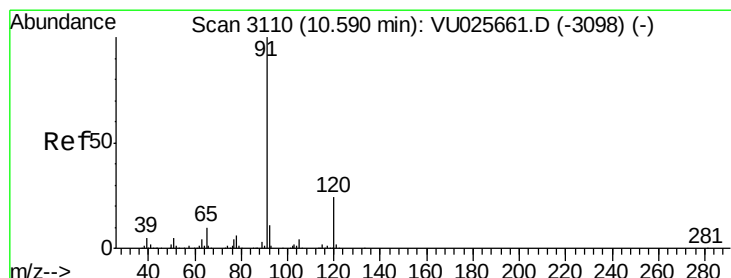
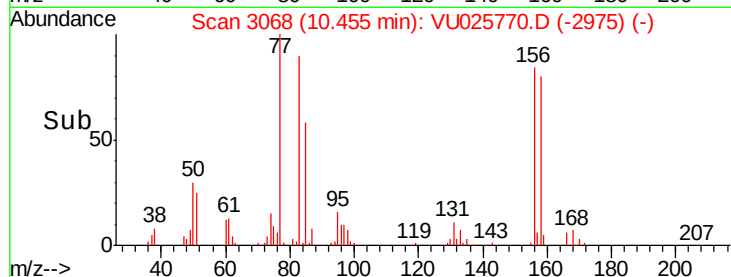
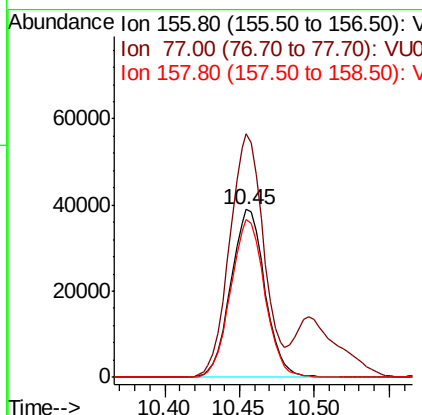
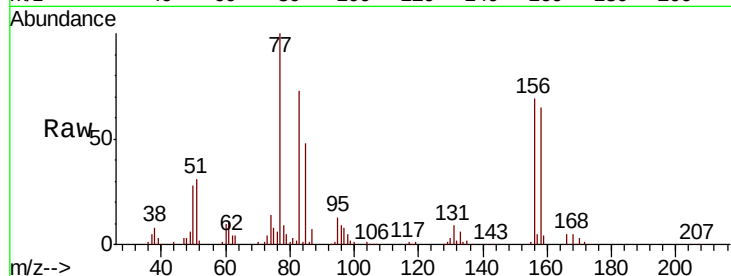
ClientSampleId :

VU0801MBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.1	73.8	221.4
158	94.0	48.0	144.0

Manual Integrations
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#78

n-propylbenzene

Concen: 21.168 ug/l

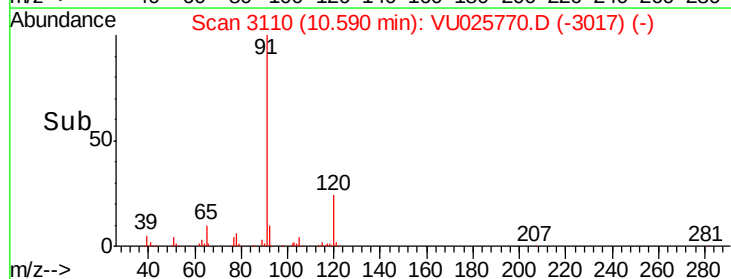
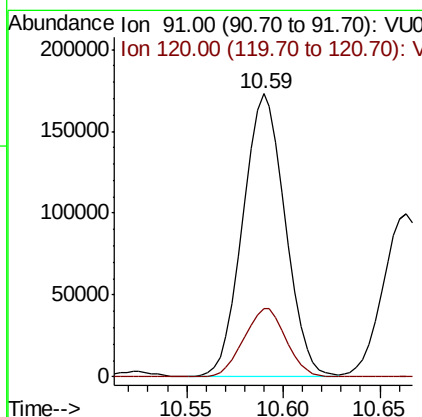
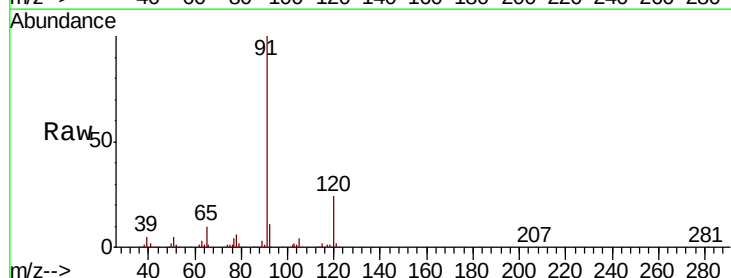
RT: 10.59 min Scan# 3110

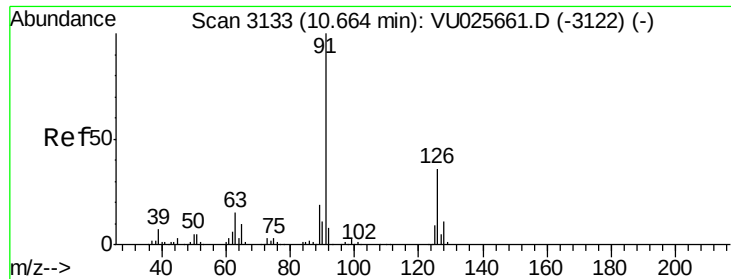
Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.8	35.3





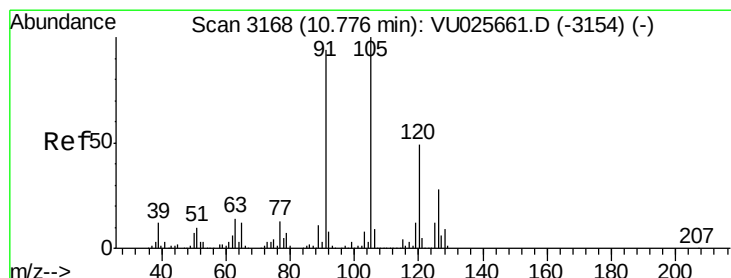
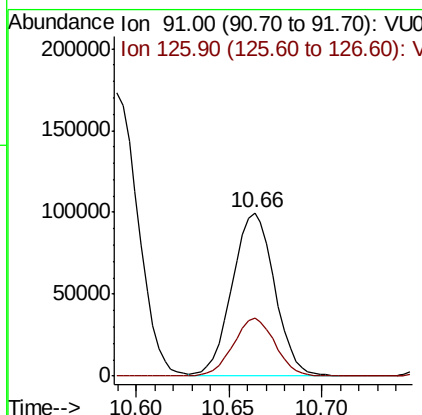
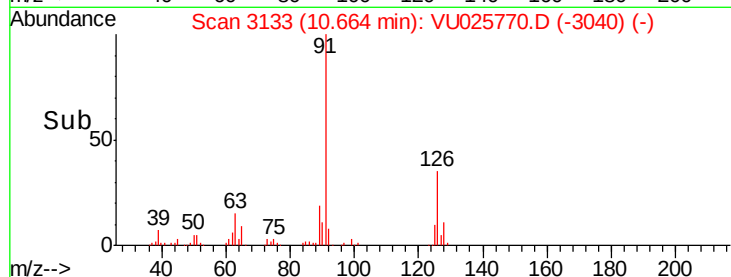
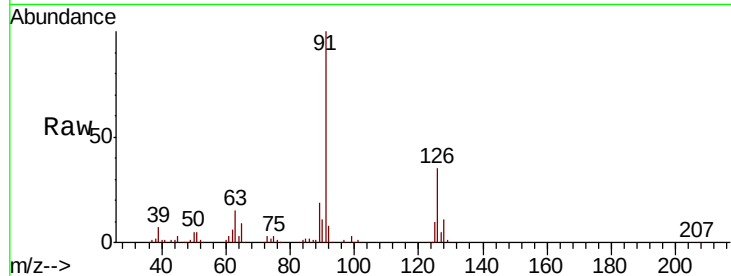
#79
 2-Chlorotoluene
 Concen: 21.660 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.6

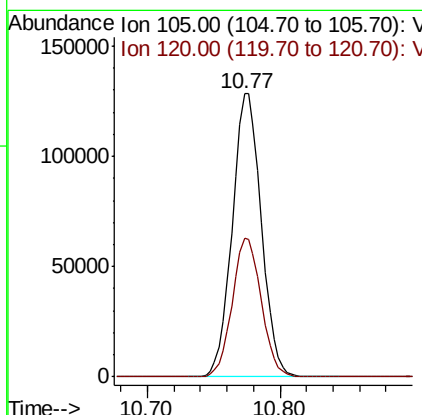
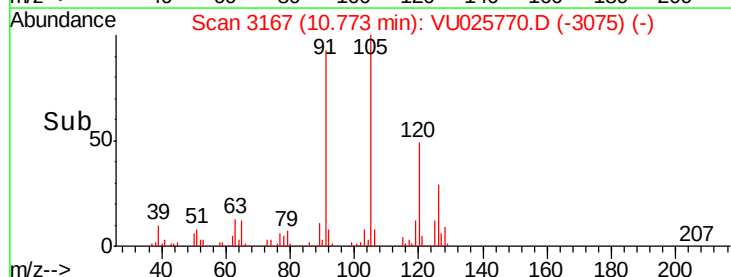
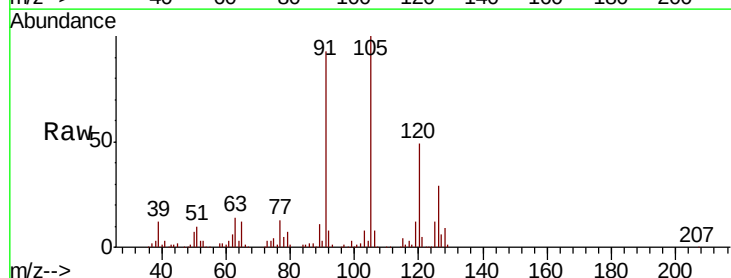
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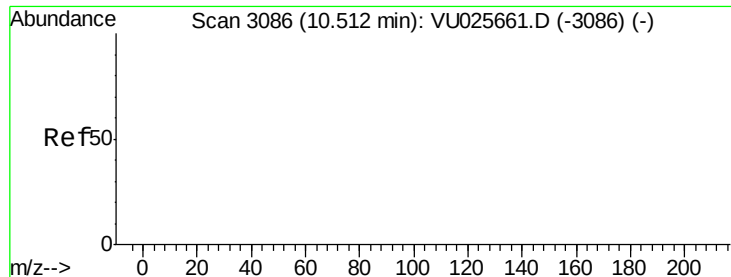
MMDadoda
 8/2/2018 9:44:57 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.560 ug/l
 RT: 10.77 min Scan# 3167
 Delta R.T. -0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.1	72.2





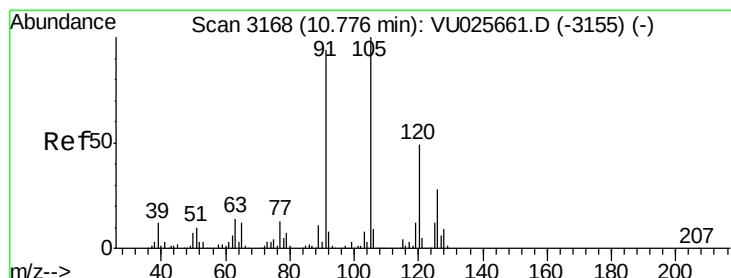
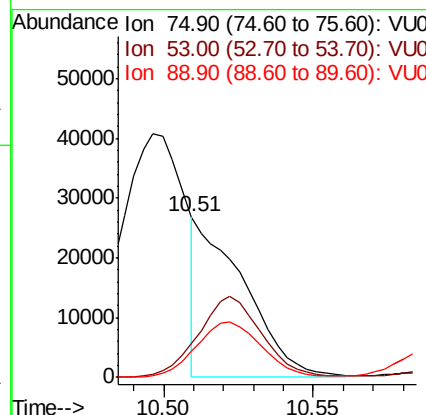
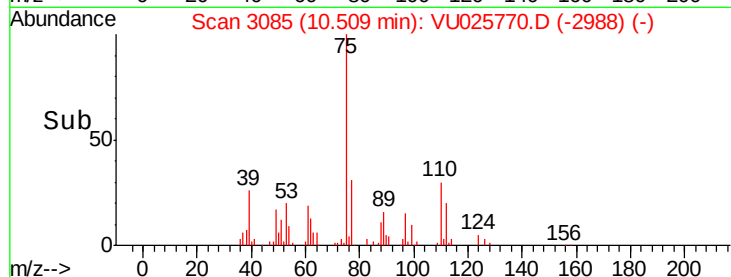
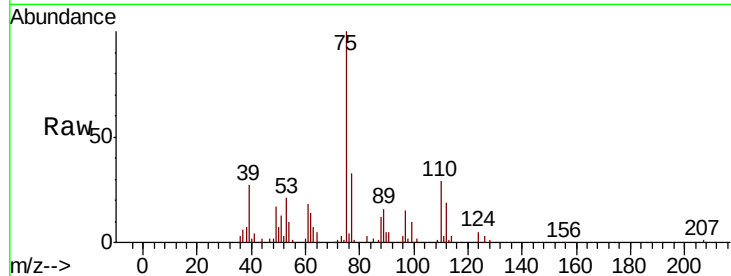
#81
trans-1,4-Dichloro-2-butene
Concen: 21.606 ug/l m
RT: 10.51 min Scan# 3085
Delta R.T. 0.01 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

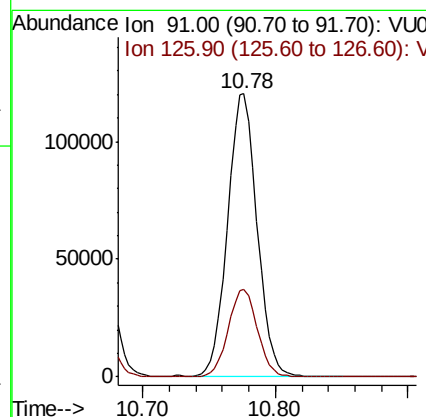
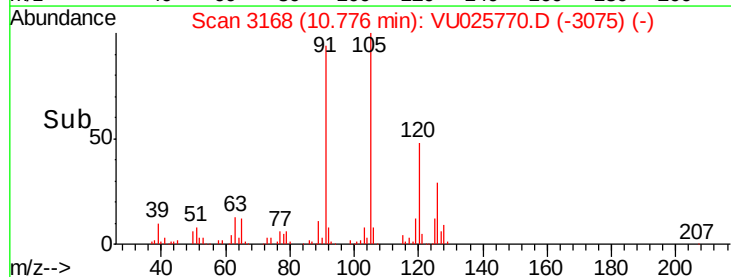
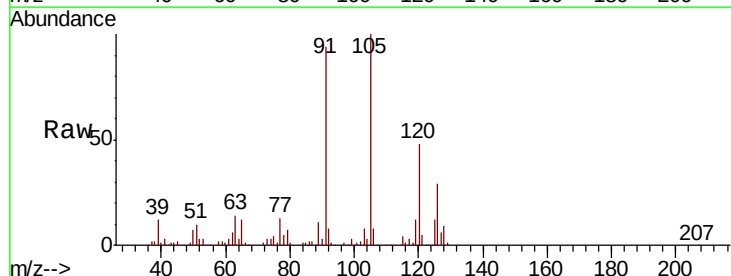
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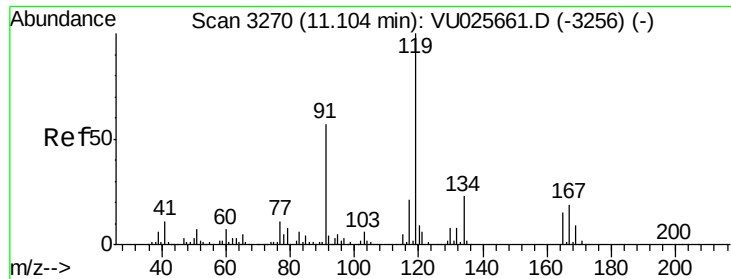
MMDadoda
8/2/2018 9:44:57 AM



#82
4-Chlorotoluene
Concen: 21.590 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.3	45.9





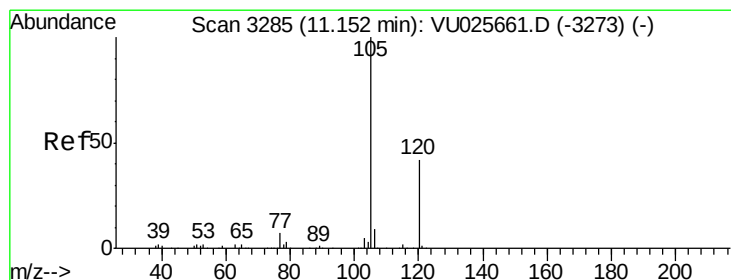
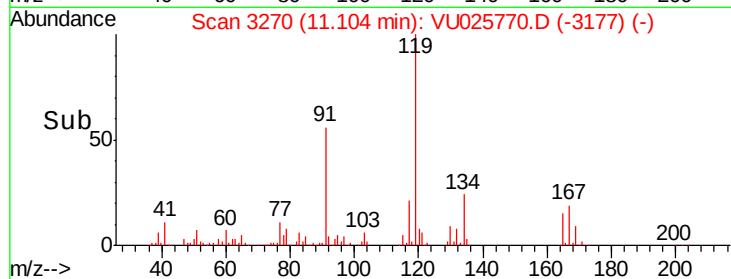
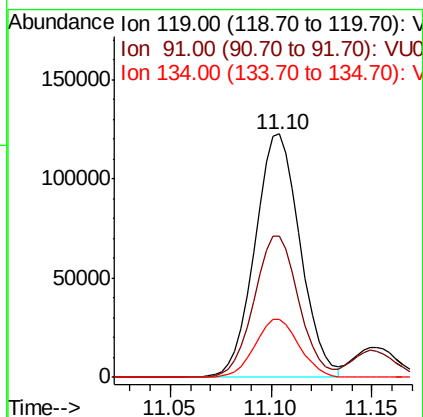
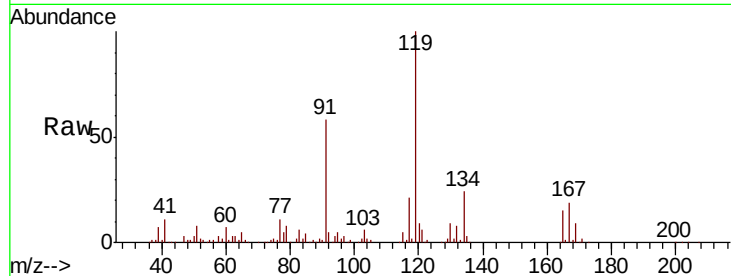
#83
 tert-Butylbenzene
 Concen: 21.394 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	192149		
91	57.4	29.7	89.1	
134	23.4	11.5	34.5	

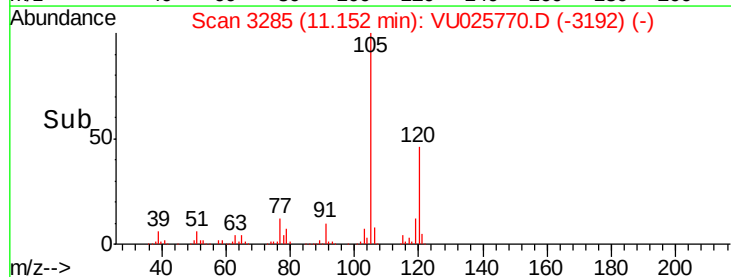
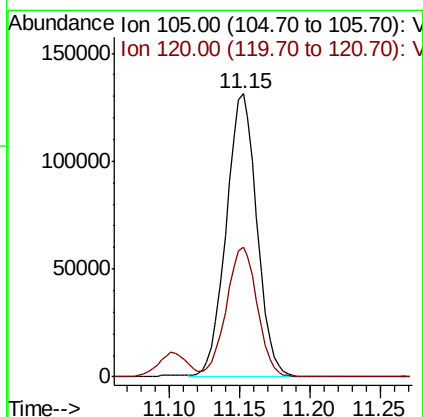
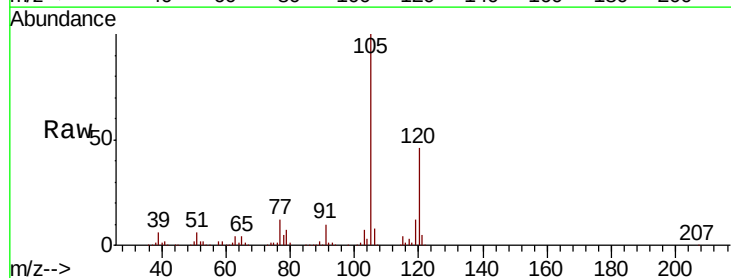
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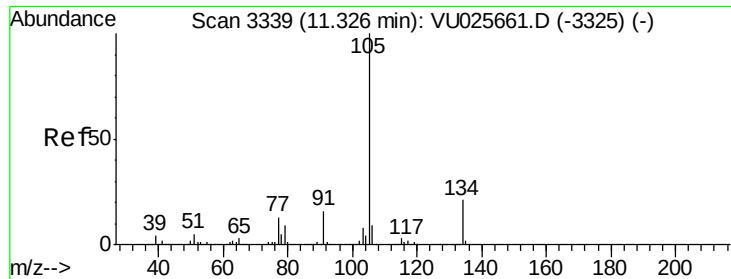
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 8/2/2018 9:44:57 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.692 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	198708		
120	46.3	22.3	66.8	





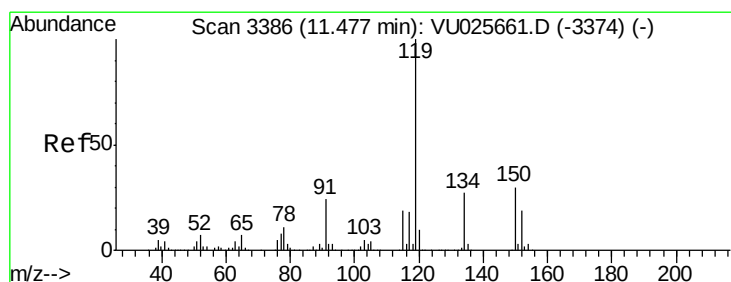
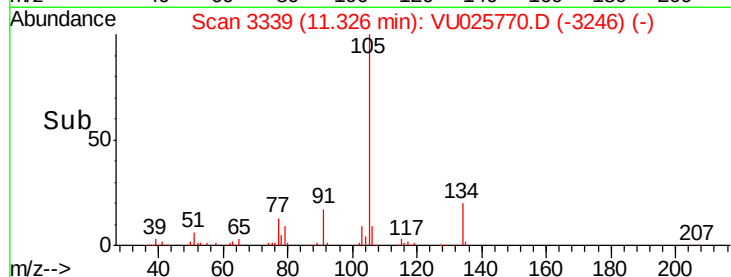
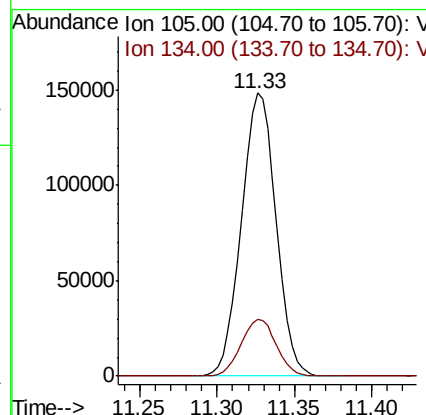
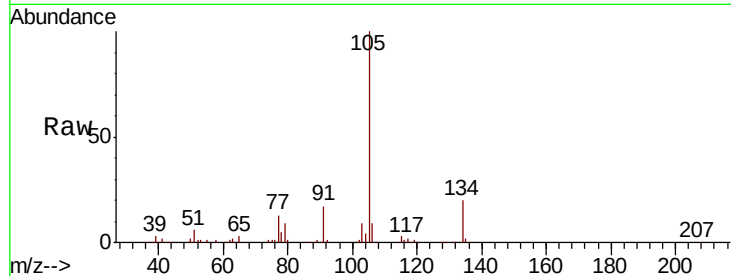
#85
 sec-Butylbenzene
 Concen: 21.049 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	230818		
134	20.4	10.3	30.8	

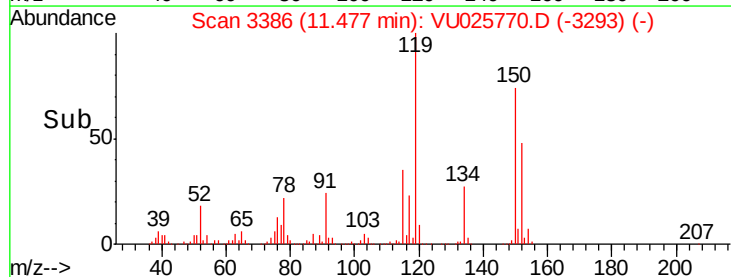
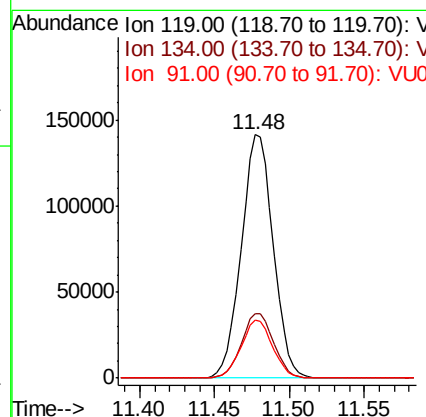
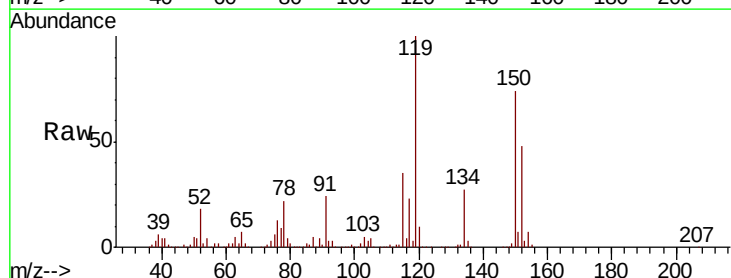
Manual Integrations
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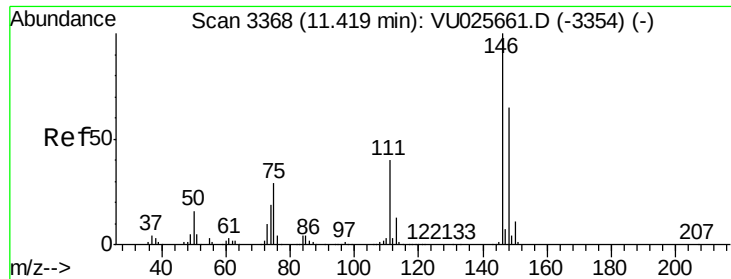
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 8/2/2018 9:44:57 AM



#86
 p-Isopropyltoluene
 Concen: 21.395 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	210077		
134	26.8	13.2	39.5	
91	23.7	12.0	36.1	





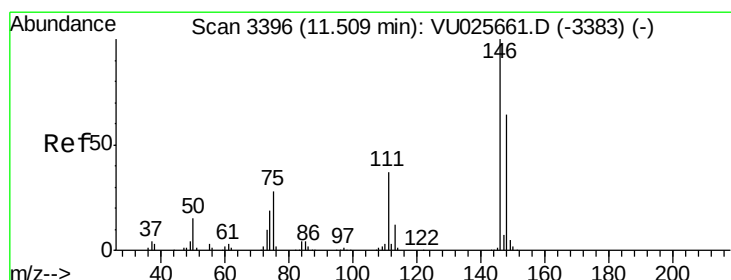
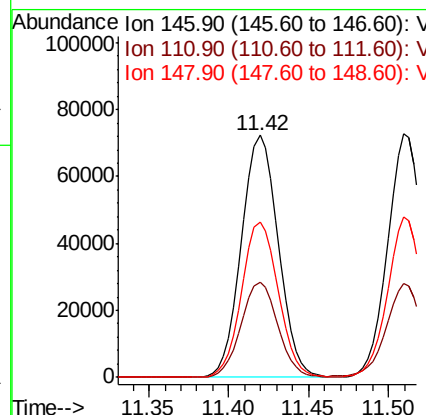
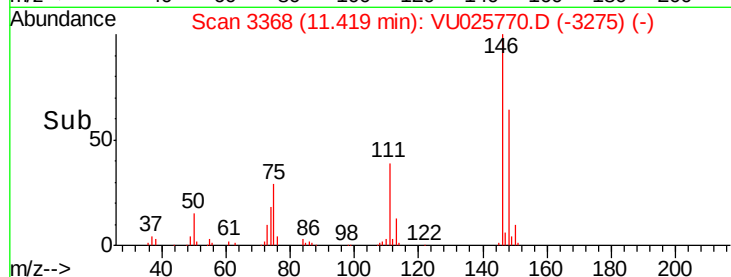
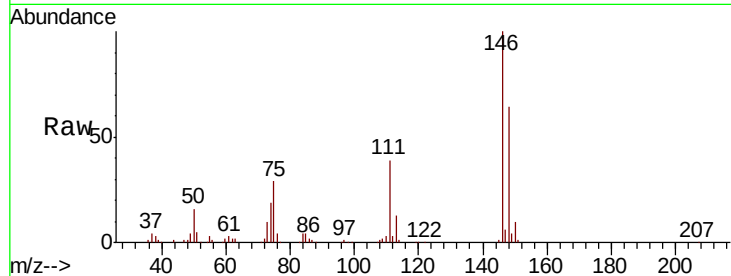
#87
 1,3-Dichlorobenzene
 Concen: 20.832 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	63.7	32.1	96.3

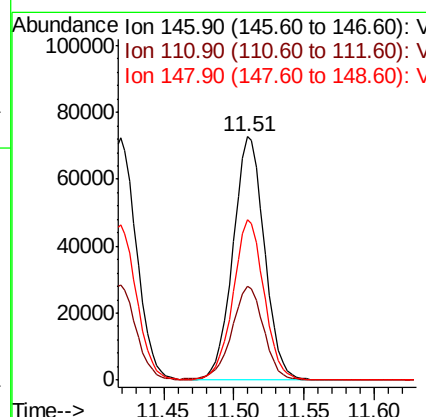
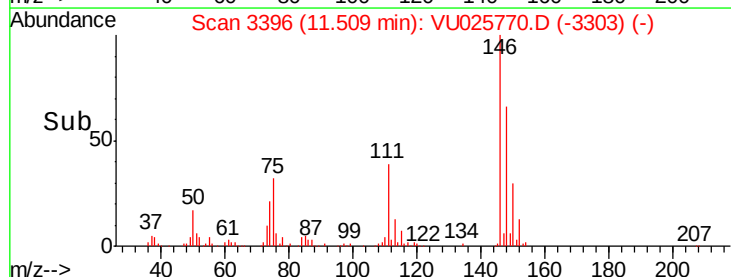
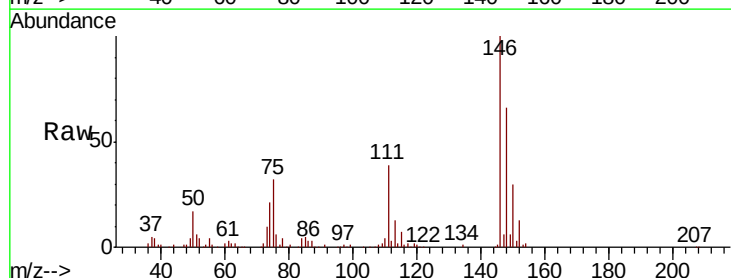
Manual Integrations
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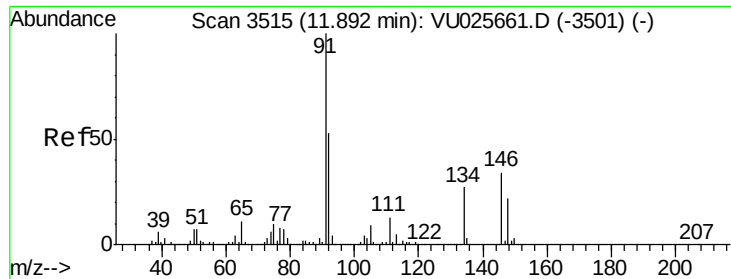
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#88
 1,4-Dichlorobenzene
 Concen: 19.994 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.1
148	65.3	31.7	95.1





#89

n-Butylbenzene

Concen: 20.607 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

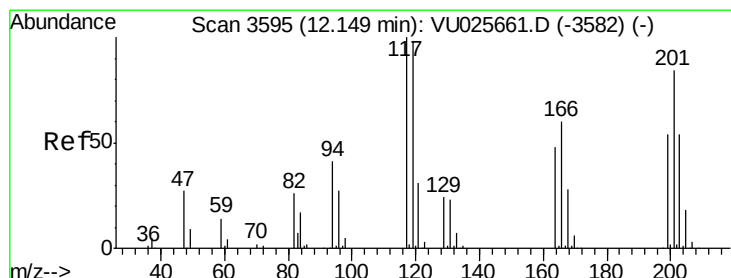
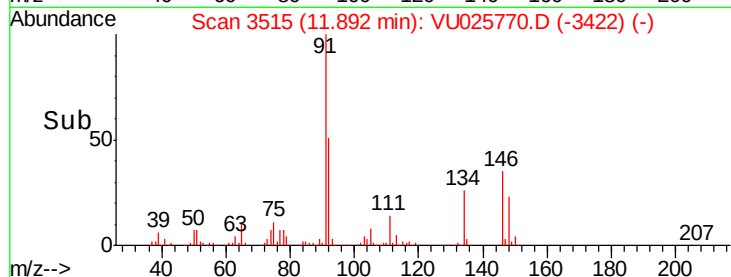
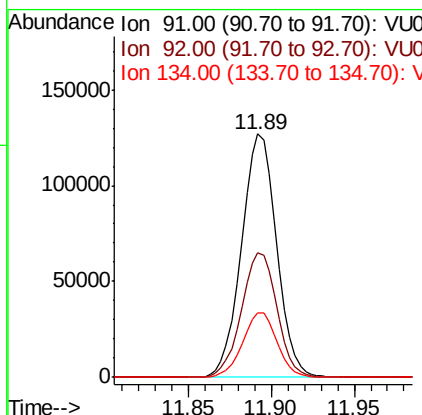
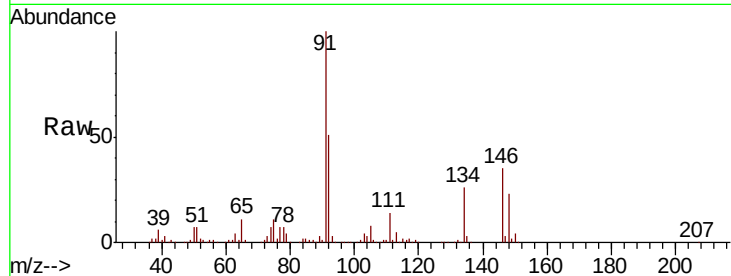
ClientSampleId :

VU0801MBSD02

Tot Ion:	91	Resp:	186719
Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.5	79.5
134	26.2	13.6	40.7

Manual Integrations
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#90

Hexachloroethane

Concen: 19.874 ug/l

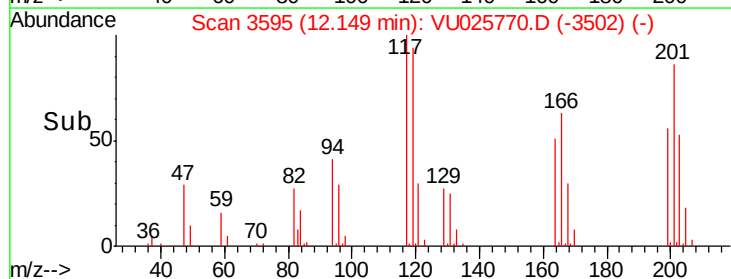
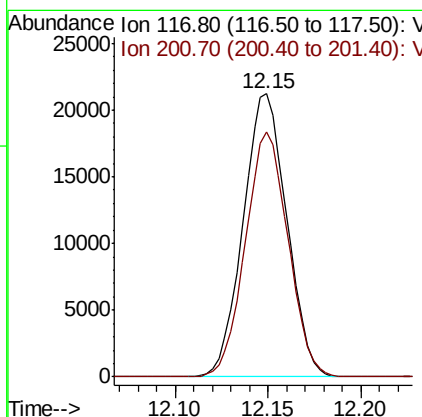
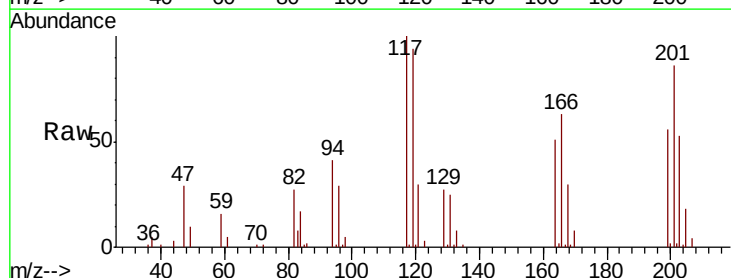
RT: 12.15 min Scan# 3595

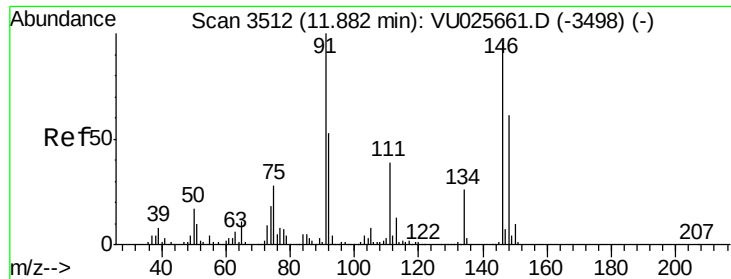
Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Tgt Ion:	117	Resp:	34697
Ion	Ratio	Lower	Upper
117	100		
201	84.7	42.5	127.6





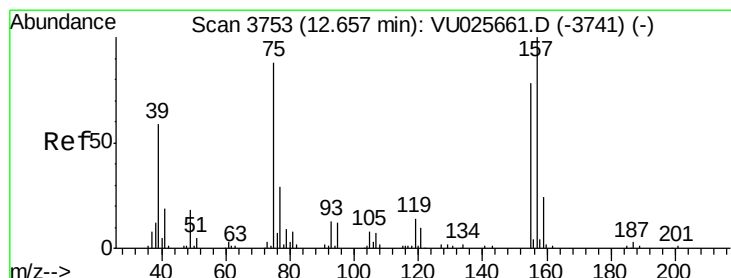
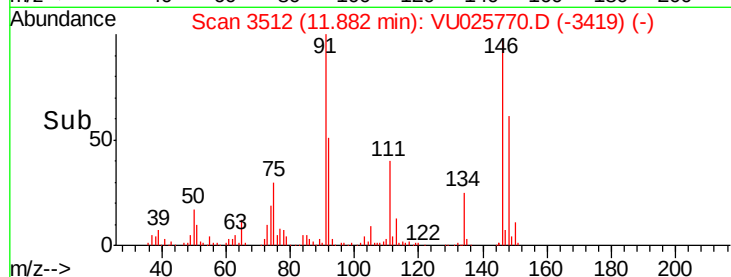
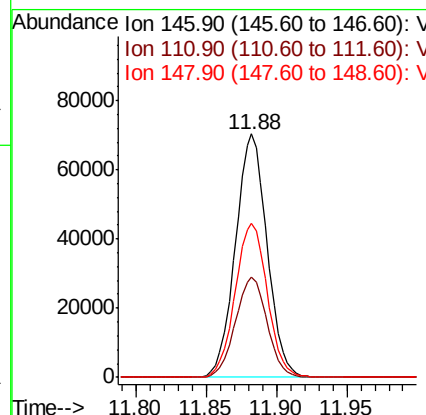
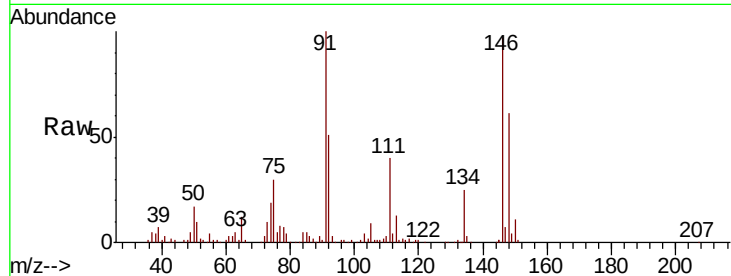
#91
 1,2-Dichlorobenzene
 Concen: 20.678 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	110456		
111	41.1	20.6	61.8	
148	64.2	31.5	94.5	

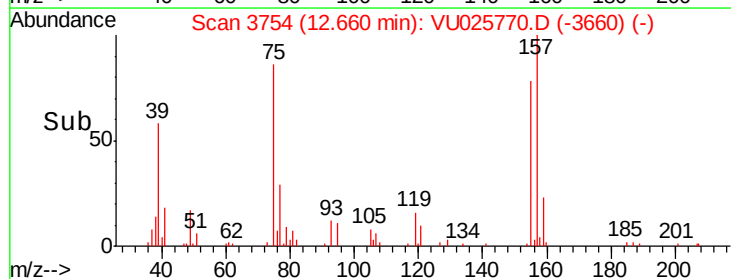
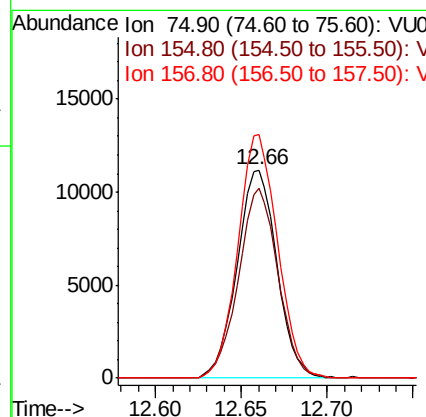
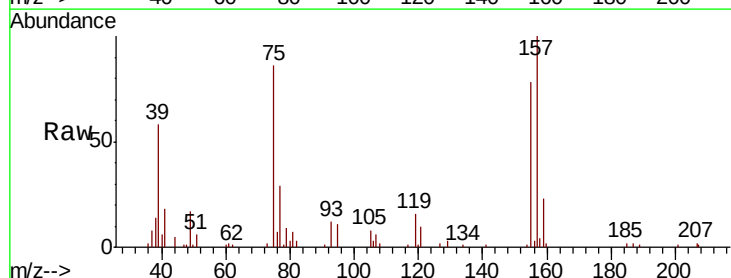
Manual Integrations
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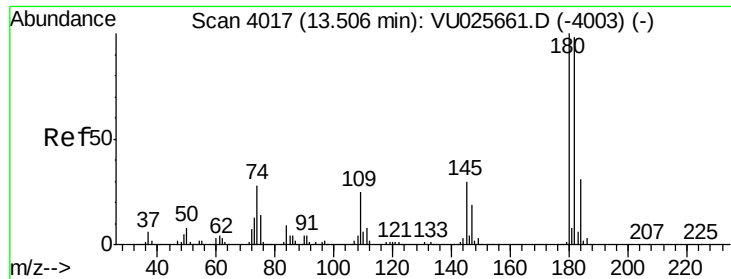
MMDadoda
 8/2/2018 9:44:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.653 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18023		
155	90.3	44.5	133.3	
157	116.6	57.0	170.8	





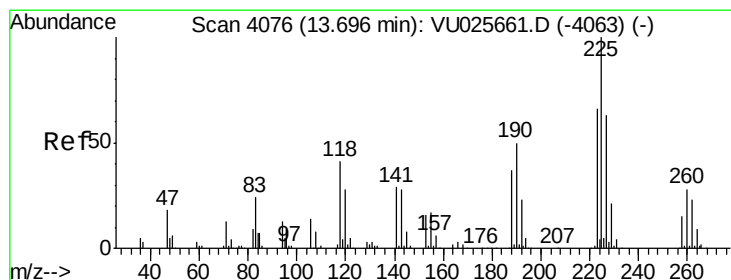
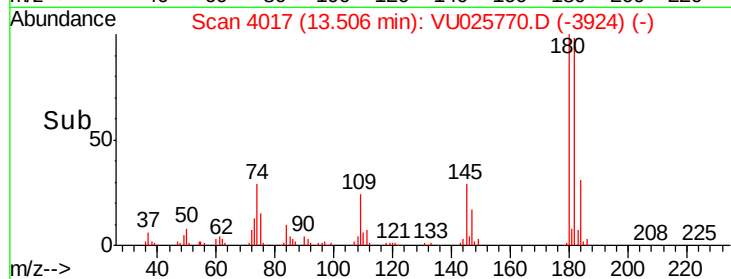
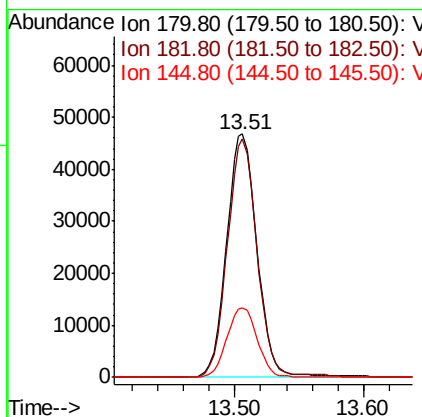
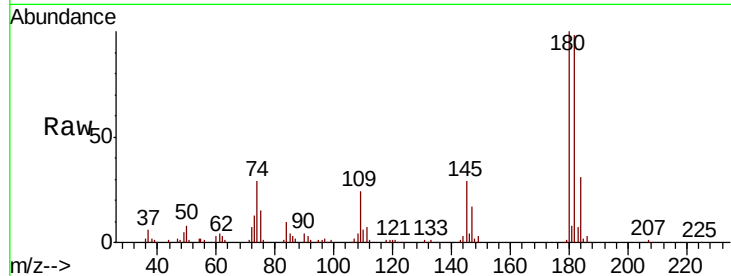
#93
 1,2,4-Trichlorobenzene
 Concen: 21.167 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	28.6	14.9	44.7

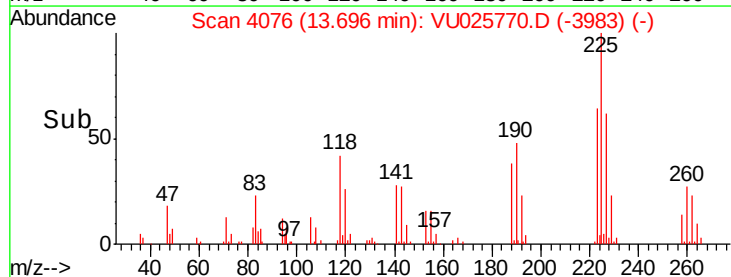
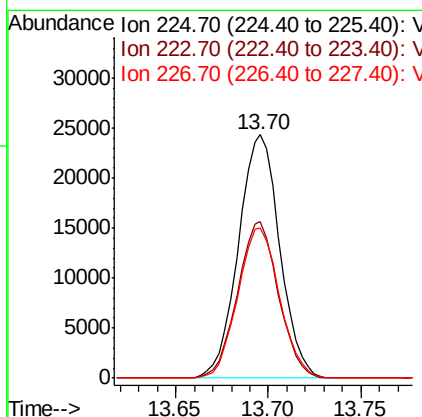
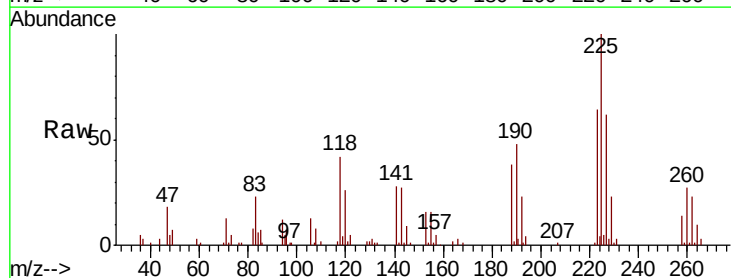
Manual Integrations
 APPROVED

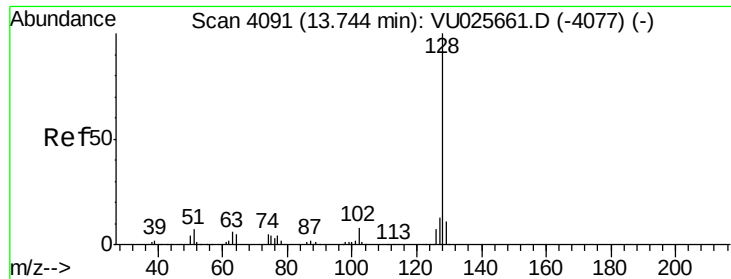
MMDadoda
 8/2/2018 9:44:57 AM



#94
 Hexachlorobutadiene
 Concen: 19.750 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.7
227	62.2	32.3	96.9





#95

Naphthalene

Concen: 20.455 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

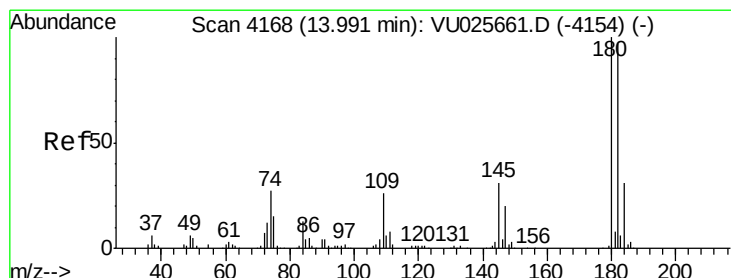
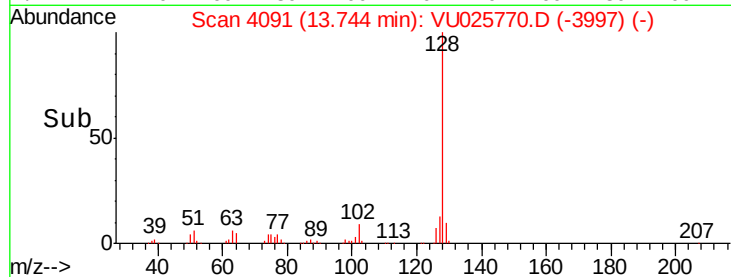
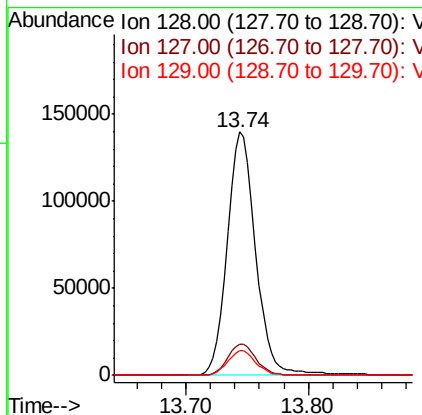
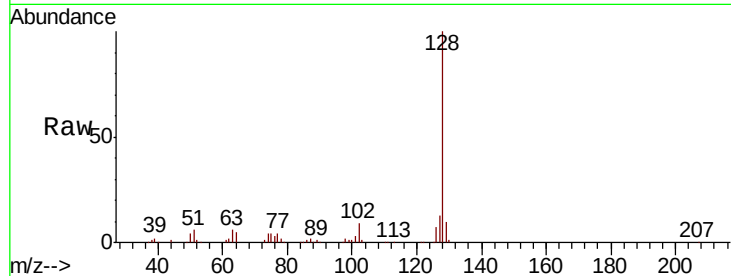
ClientSampleId :

VU0801MBSD02

Tot Ion:	128	Resp:	228093
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	10.0	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:44:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.538 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Tgt Ion:	180	Resp:	77459
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.8	143.3
145	31.2	15.6	46.8

