

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025757.D
 Acq On : 31 Jul 2018 22:25
 Operator : MD/SY
 Sample : VU0801WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:41:07 AM

Quant Time: Aug 01 06:01:18 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	174323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	265030	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	254157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157628	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	137609	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
35) Dibromofluoromethane	4.89	113	113271	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	7.57	98	398923	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	10.31	95	153329	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	59568	22.609	ug/l	95
3) Chloromethane	1.33	50	48279	19.171	ug/l	98
4) Vinyl Chloride	1.40	62	49807	21.017	ug/l	100
5) Bromomethane	1.63	94	25283	21.843	ug/l	99
6) Chloroethane	1.70	64	28369	20.472	ug/l	95
7) Trichlorofluoromethane	1.89	101	72144	21.055	ug/l	97
8) Diethyl Ether	2.10	74	25686	20.718	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43364	21.869	ug/l	100
10) Methyl Iodide	2.41	142	31266	22.594	ug/l	99
11) Tert butyl alcohol	2.82	59	57479	96.658	ug/l	100
12) 1,1-Dichloroethene	2.28	96	40113	21.431	ug/l	94
13) Acrolein	2.19	56	27153	125.066	ug/l	99
14) Allyl chloride	2.59	41	65797	19.561	ug/l	97
15) Acrylonitrile	2.94	53	122091	102.831	ug/l	97
16) Acetone	2.32	43	113765	85.910	ug/l	95
17) Carbon Disulfide	2.48	76	118364	19.540	ug/l	99
18) Methyl Acetate	2.62	43	78300	24.567	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	145684	21.478	ug/l	99
20) Methylene Chloride	2.70	84	47379	20.188	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	45439	21.001	ug/l	100
22) Diisopropyl ether	3.57	45	141994	21.422	ug/l	96
23) Vinyl Acetate	3.53	43	591486	102.396	ug/l	98
24) 1,1-Dichloroethane	3.45	63	85447	21.475	ug/l	98
25) 2-Butanone	4.26	43	178041	98.767	ug/l	100
26) 2,2-Dichloropropane	4.23	77	63631	17.595	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	50460	20.685	ug/l	97
28) Bromochloromethane	4.55	49	37302	20.968	ug/l	98
29) Tetrahydrofuran	4.64	42	111283	103.041	ug/l	99
30) Chloroform	4.68	83	87213	20.766	ug/l	99
31) Cyclohexane	5.00	56	74275	20.666	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	81367	21.519	ug/l	99
36) 1,1-Dichloropropene	5.14	75	66054	21.326	ug/l	99
37) Ethyl Acetate	4.38	43	65699	20.457	ug/l	98
38) Carbon Tetrachloride	5.14	117	72576	20.688	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	71343	20.103	ug/l	99
40) Benzene	5.39	78	186756	20.628	ug/l	98
41) Methacrylonitrile	4.54	41	37094	20.795	ug/l	99
42) 1,2-Dichloroethane	5.41	62	72146	20.695	ug/l	100
43) Isopropyl Acetate	5.55	43	109563	20.645	ug/l	99
44) Trichloroethene	6.19	130	52665	20.888	ug/l	97
45) 1,2-Dichloropropane	6.44	63	48542	20.558	ug/l	99
46) Dibromomethane	6.56	93	35323	20.646	ug/l	99
47) Bromodichloromethane	6.76	83	66600	20.407	ug/l	96
48) Methyl methacrylate	6.63	41	55022	21.153	ug/l	99
49) 1,4-Dioxane	6.62	88	24476	386.688	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	342817	103.178	ug/l	100
52) Toluene	7.64	92	118909	21.141	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	73544	20.070	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	77887	20.692	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	47629	20.377	ug/l	99
56) Ethyl methacrylate	8.02	69	69595	20.839	ug/l	98
57) 1,3-Dichloropropane	8.25	76	82053	20.874	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	135357	94.044	ug/l	99
59) 2-Hexanone	8.36	43	261659	100.464	ug/l	98
60) Dibromochloromethane	8.48	129	54955	19.937	ug/l	100
61) 1,2-Dibromoethane	8.59	107	53357	20.526	ug/l	98
64) Tetrachloroethene	8.23	164	48736	21.785	ug/l	98
65) Chlorobenzene	9.12	112	137511	20.985	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	49343	20.816	ug/l	97
67) Ethyl Benzene	9.25	91	225830	20.806	ug/l	99
68) m/p-Xylenes	9.38	106	179437	43.060	ug/l	98
69) o-Xylene	9.78	106	85803	21.068	ug/l	99
70) Styrene	9.80	104	138471	21.049	ug/l	99
71) Bromoform	9.96	173	42684	20.766	ug/l #	99
73) Isopropylbenzene	10.17	105	231474	21.516	ug/l	100
74) N-amyl acetate	10.01	43	94640	21.548	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	78282	21.041	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	68488m	19.720	ug/l	
77) Bromobenzene	10.45	156	62625	21.104	ug/l	98
78) n-propylbenzene	10.59	91	269731	21.481	ug/l	99
79) 2-Chlorotoluene	10.66	91	159686	21.712	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	197956	21.666	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	19766m	14.271	ug/l	
82) 4-Chlorotoluene	10.78	91	188923	21.791	ug/l	98
83) tert-Butylbenzene	11.10	119	194578	21.434	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	203848	22.016	ug/l	98
85) sec-Butylbenzene	11.33	105	234880	21.192	ug/l	100
86) p-Isopropyltoluene	11.48	119	210069	21.167	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	116605	21.170	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	121074	21.087	ug/l	99
89) n-Butylbenzene	11.89	91	187287	20.450	ug/l	99
90) Hexachloroethane	12.15	117	34476	19.538	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	116435	21.566	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19024	21.569	ug/l	97

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QLast Update : Tue Jul 31 16:07:47 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	77909	21.381	ug/l	98
94) Hexachlorobutadiene	13.70	225	35474	18.468	ug/l	99
95) Naphthalene	13.74	128	236397	20.943	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	80668	22.192	ug/l	100

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

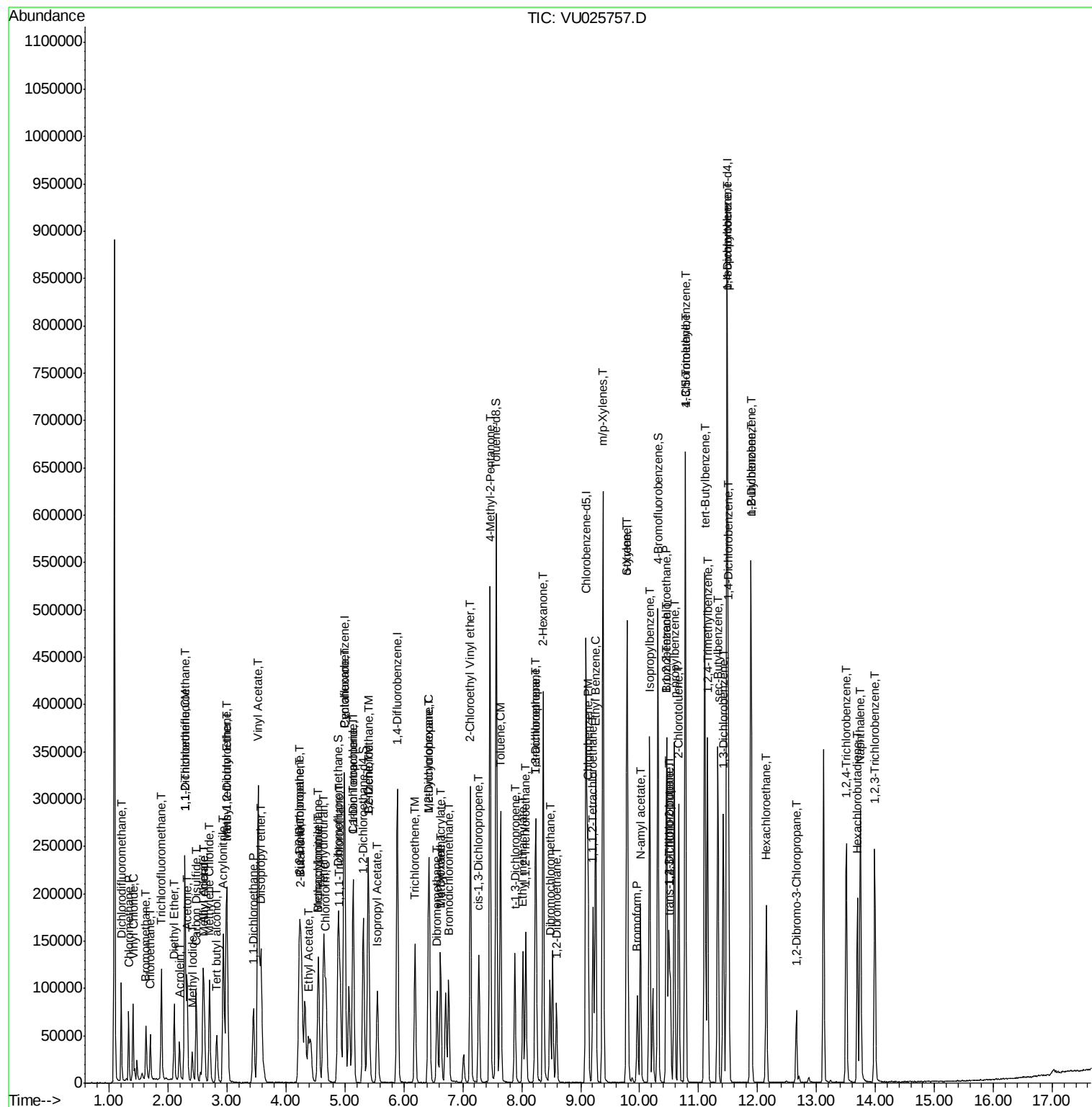
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Data File : VU025757.D
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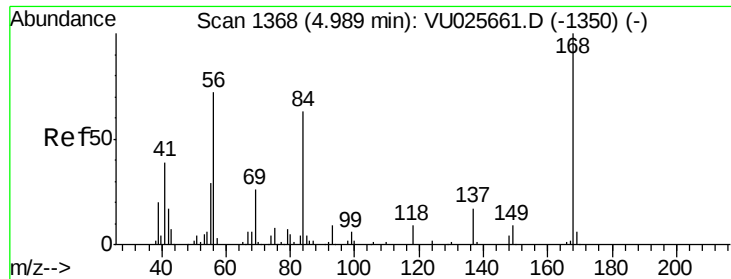
Instrument :
MSVOA_U
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD01

Tot Ion:168 Resp: 174323

Ion Ratio Lower Upper

168 100

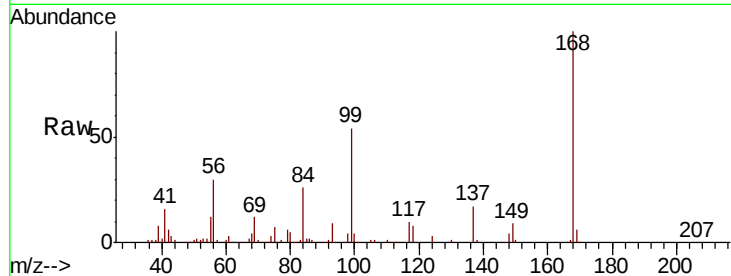
99 53.7 42.8 64.2

Manual Integrations

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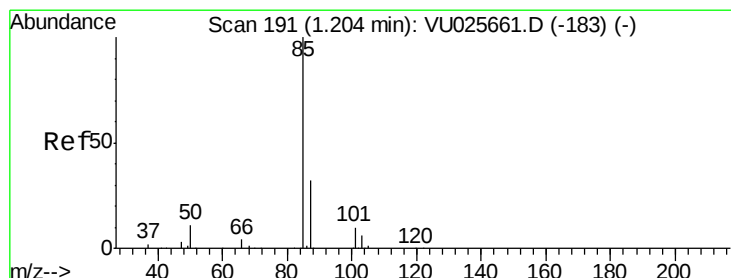
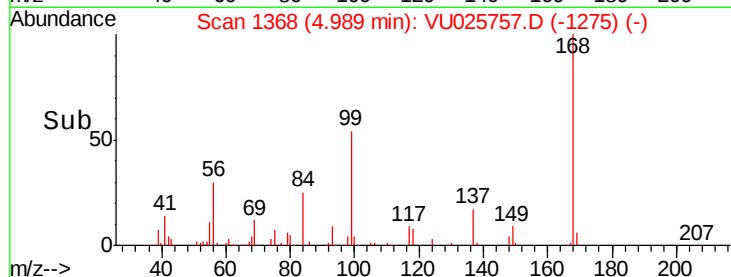
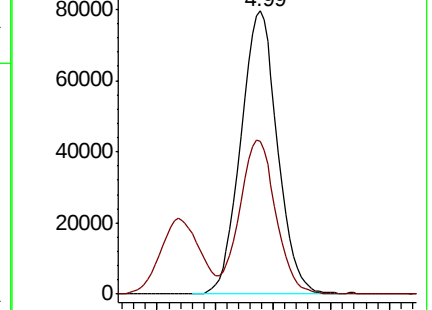
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Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

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



#2

Dichlorodifluoromethane

Concen: 22.609 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025757.D

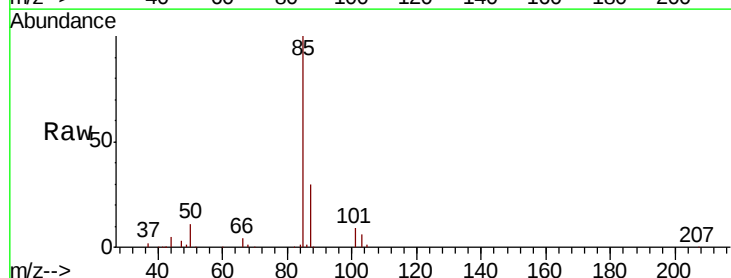
Acq: 31 Jul 2018 22:25

Tgt Ion: 85 Resp: 59568

Ion Ratio Lower Upper

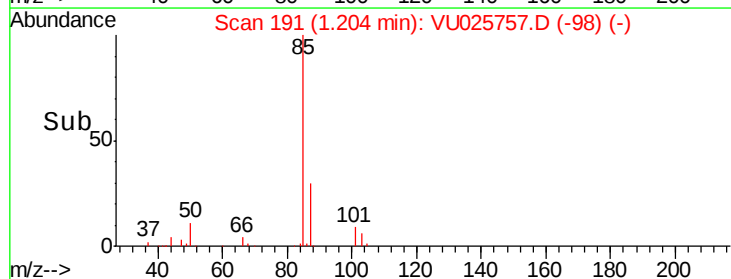
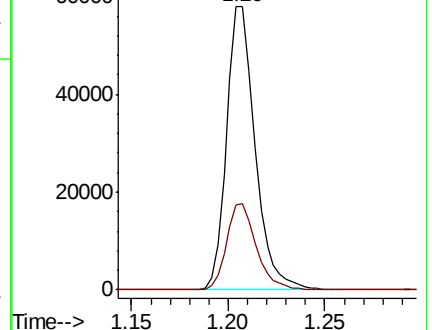
85 100

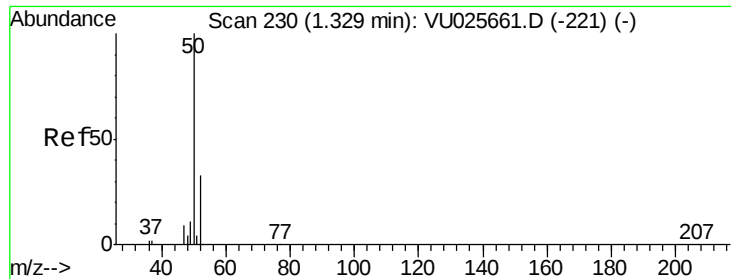
87 30.1 16.5 49.5



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

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





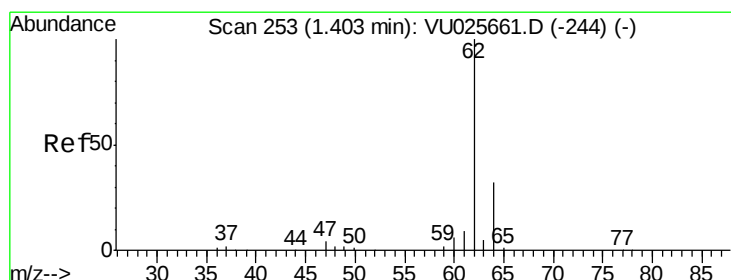
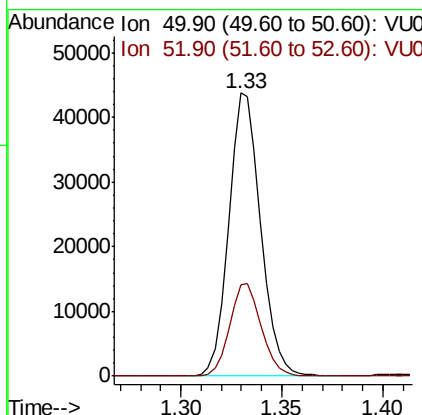
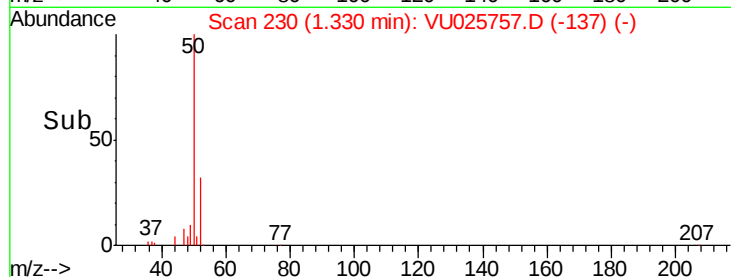
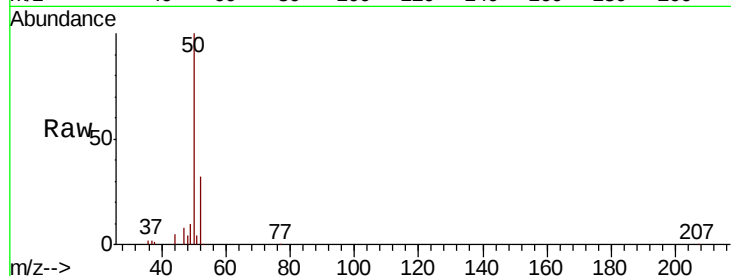
#3
Chloromethane
Concen: 19.171 ug/l
RT: 1.33 min Scan# 230
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion: 50 Resp: 48279
Ion Ratio Lower Upper
50 100
52 32.2 26.5 39.7

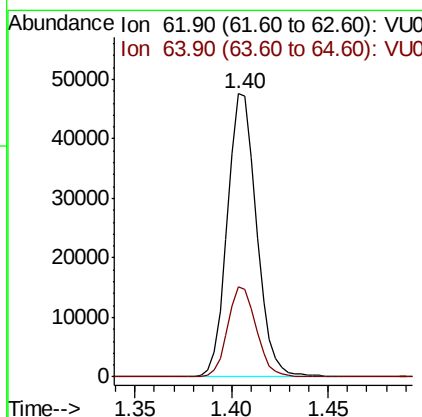
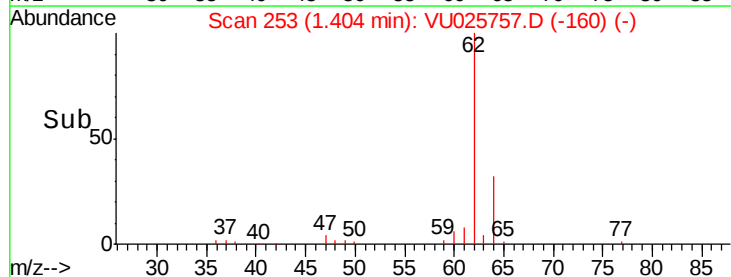
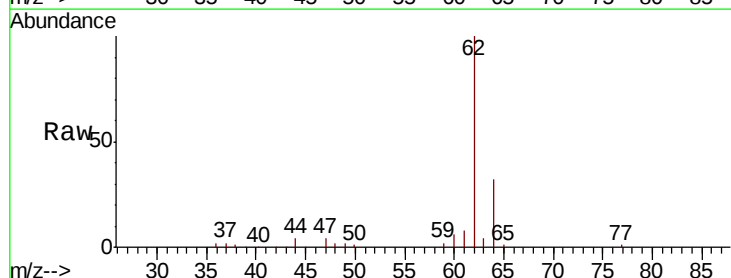
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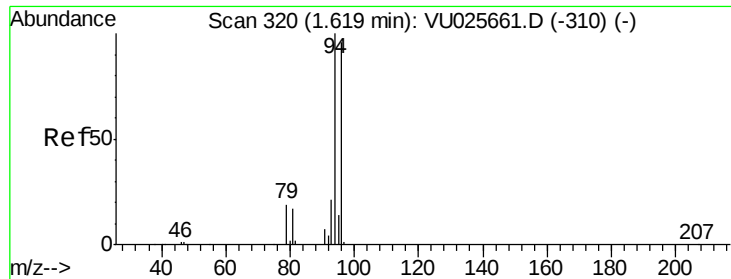
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#4
Vinyl Chloride
Concen: 21.017 ug/l
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion: 62 Resp: 49807
Ion Ratio Lower Upper
62 100
64 31.8 25.4 38.0





#5

Bromomethane

Concen: 21.843 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD01

Tot Ion: 94 Resp: 25283

Ion Ratio Lower Upper

94 100

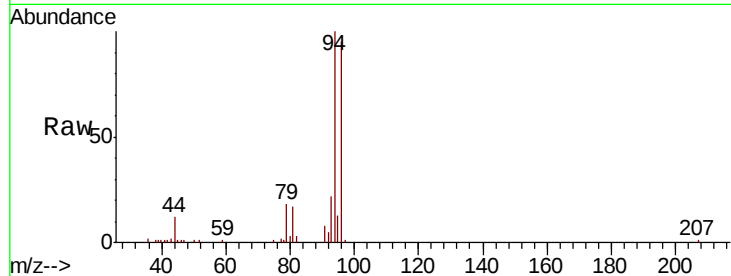
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Manual Integrations

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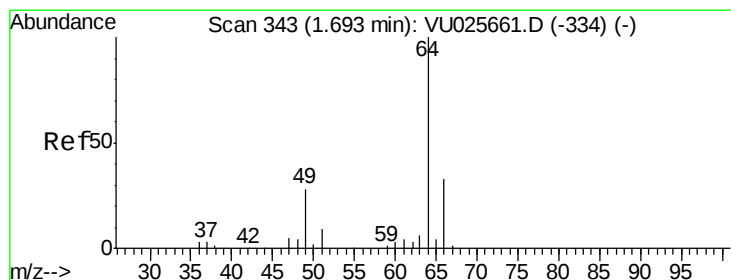
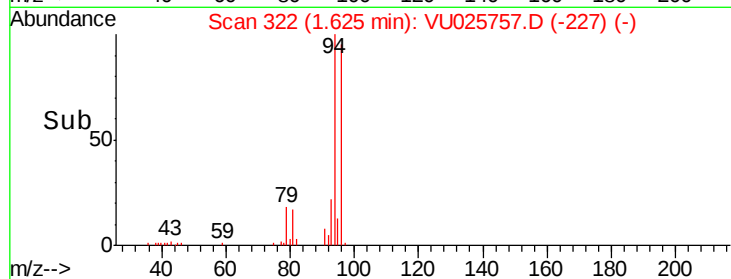
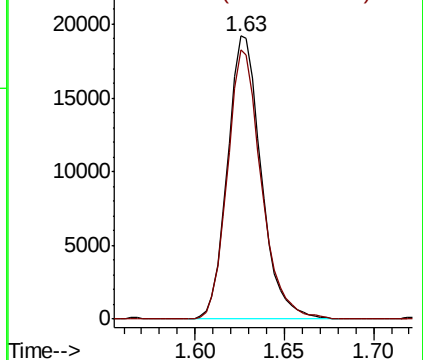
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.472 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025757.D

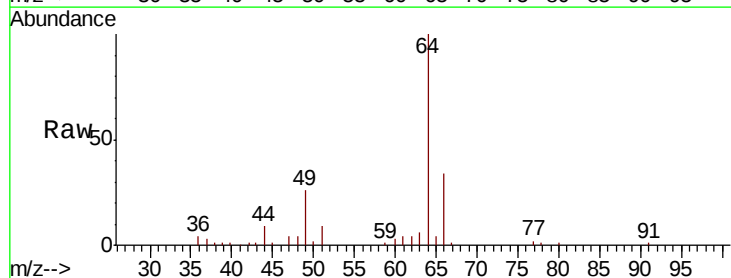
Acq: 31 Jul 2018 22:25

Tgt Ion: 64 Resp: 28369

Ion Ratio Lower Upper

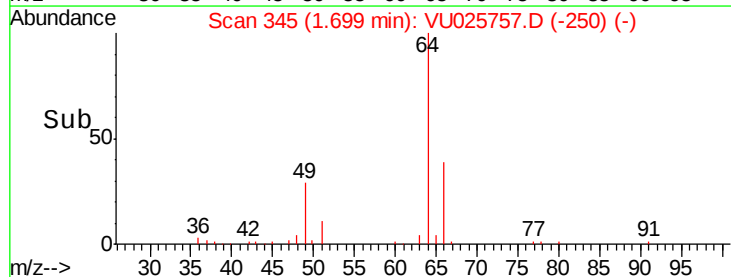
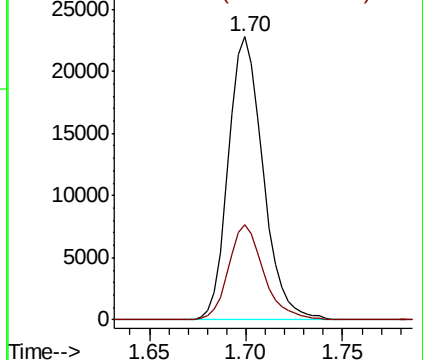
64 100

66 33.8 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

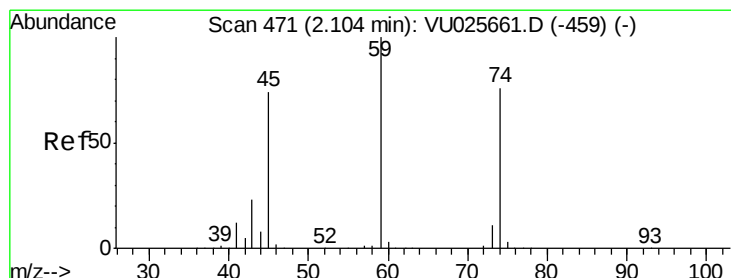
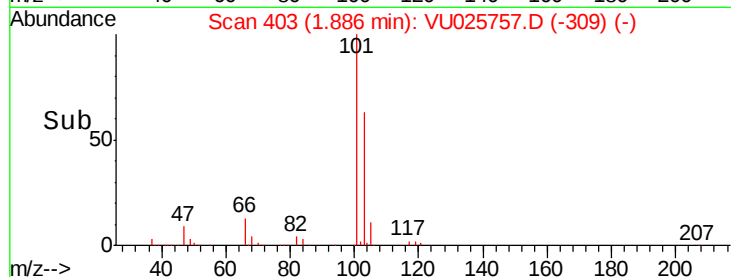
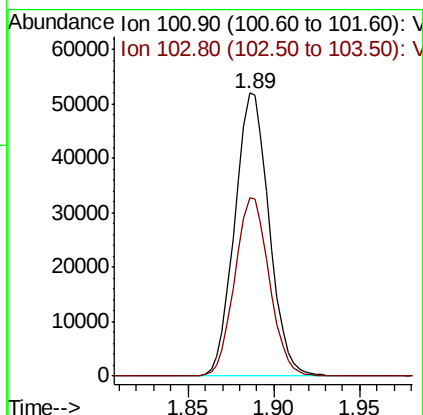
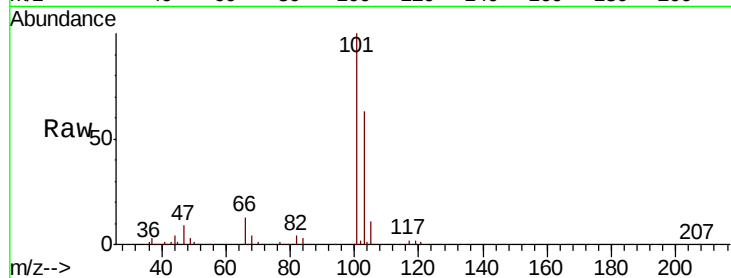
Trichlorofluoromethane
Concen: 21.055 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.2	78.2

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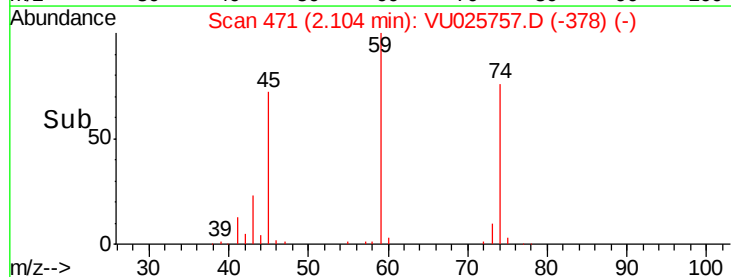
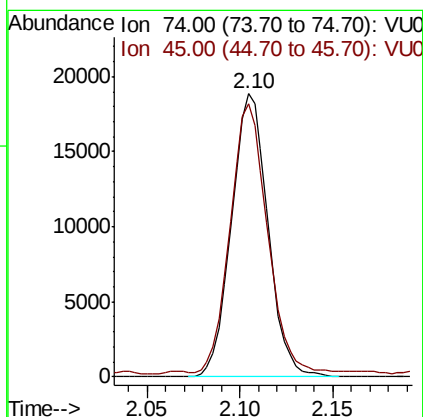
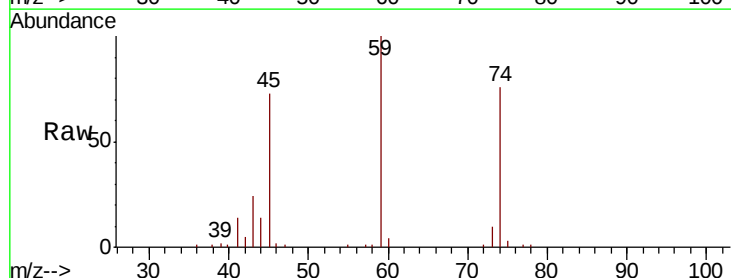
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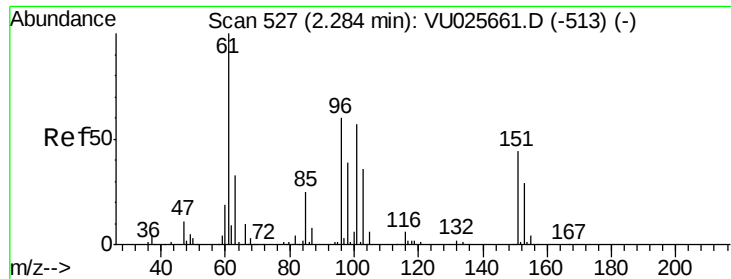


#8

Diethyl Ether
Concen: 20.718 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.869 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

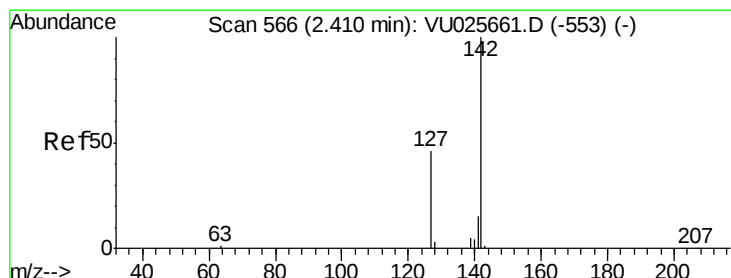
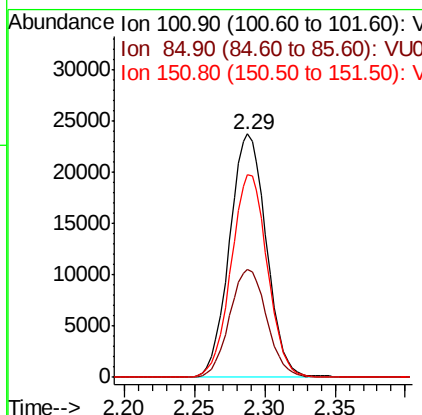
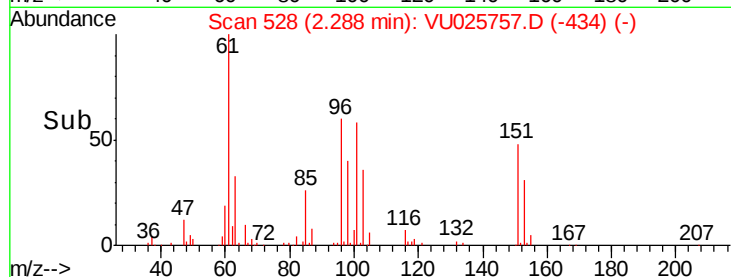
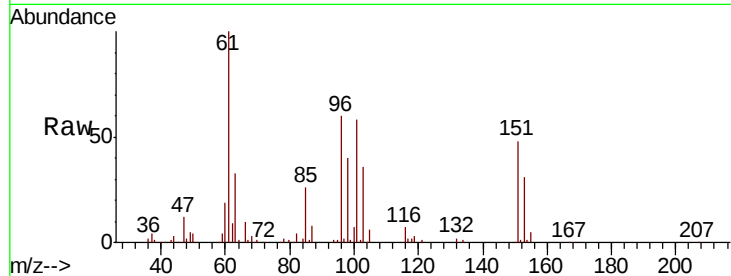
ClientSampleId :

VU0801WBSD01

Tot Ion:	101	Resp:	43364
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.0	54.0
151	82.1	65.6	98.4

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#10

Methyl Iodide

Concen: 22.594 ug/l

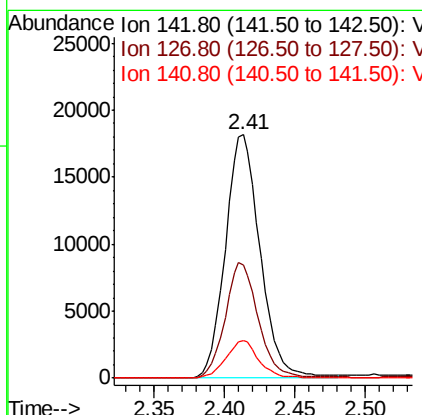
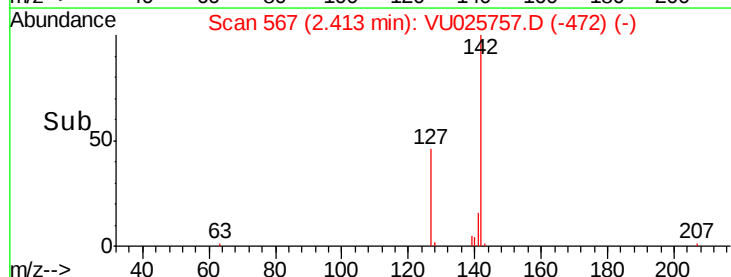
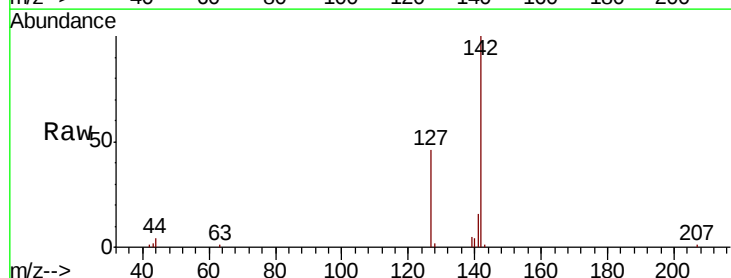
RT: 2.41 min Scan# 567

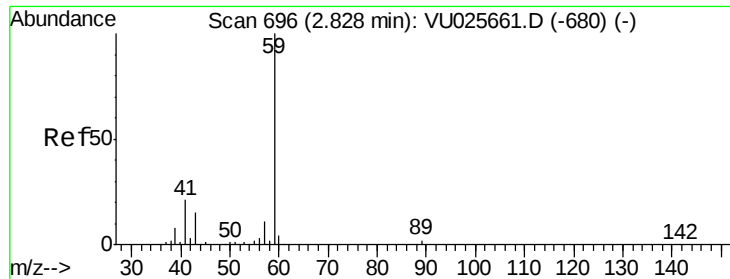
Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Tgt Ion:	142	Resp:	31266
Ion Ratio	Lower	Upper	
142	100		
127	44.8	36.5	54.7
141	14.4	11.4	17.2





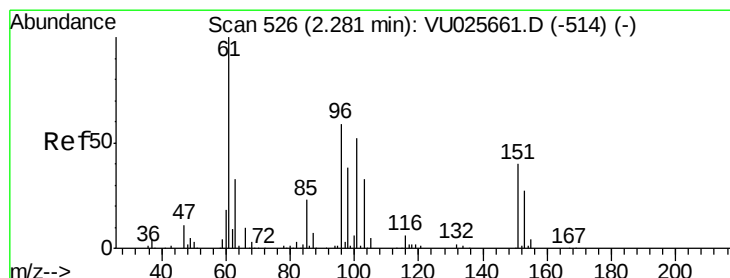
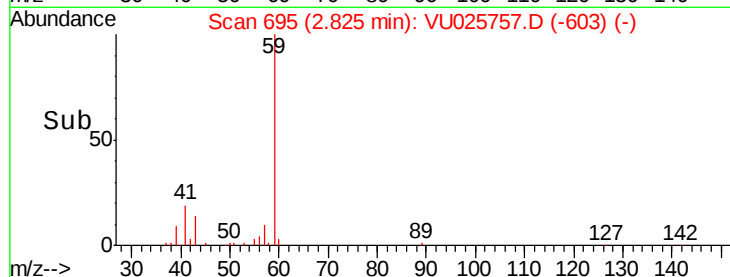
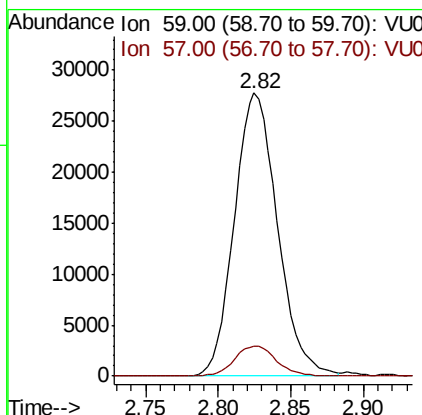
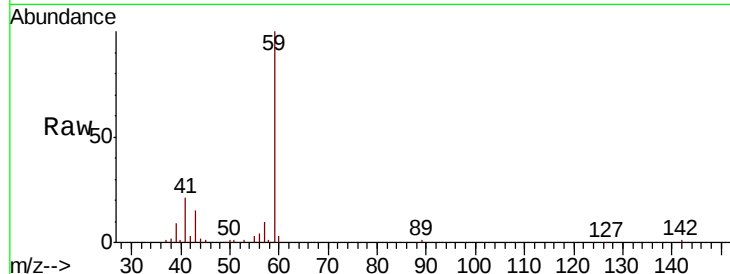
#11
Tert butyl alcohol
Concen: 96.658 ug/l
RT: 2.82 min Scan# 695
Delta R.T. -0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion	59	Resp	57479
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.2

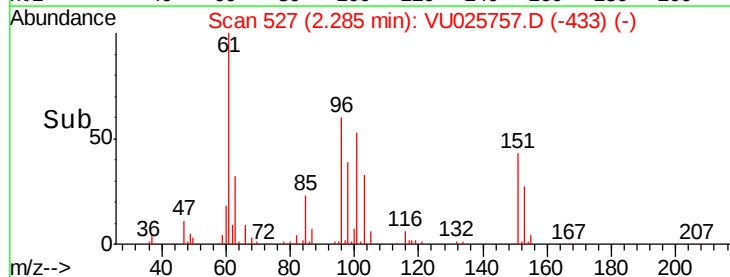
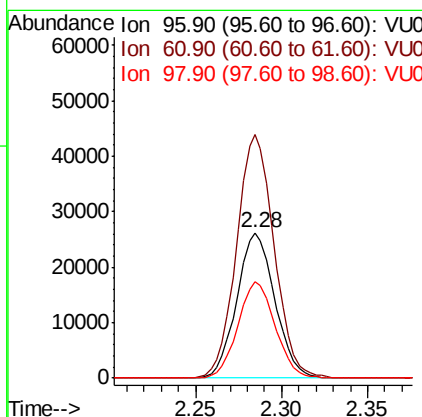
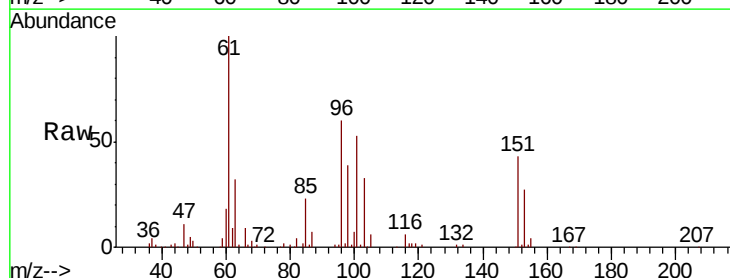
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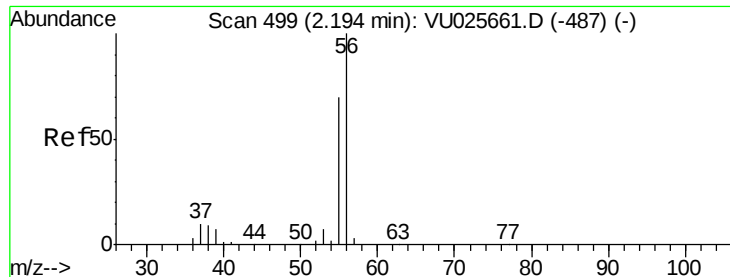
MMDadoda
8/2/2018 9:41:07 AM



#12
1,1-Dichloroethene
Concen: 21.431 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion	96	Resp	40113
Ion Ratio	100	Lower	Upper
61	167.5	140.2	210.4
98	66.1	49.3	73.9





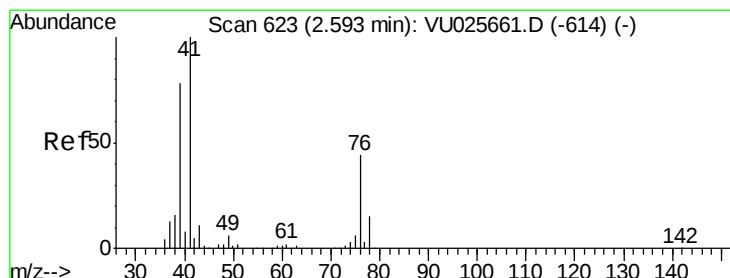
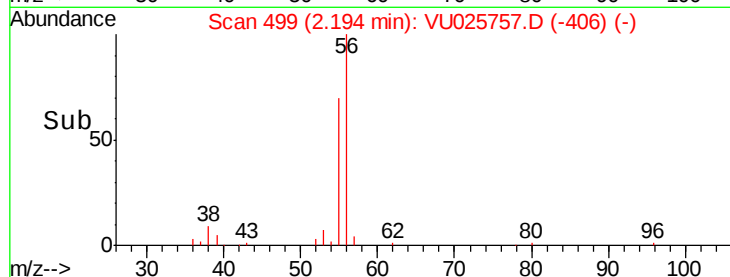
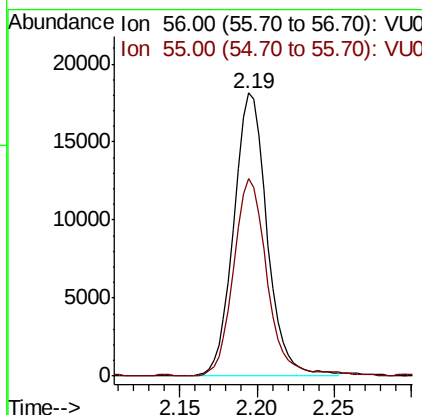
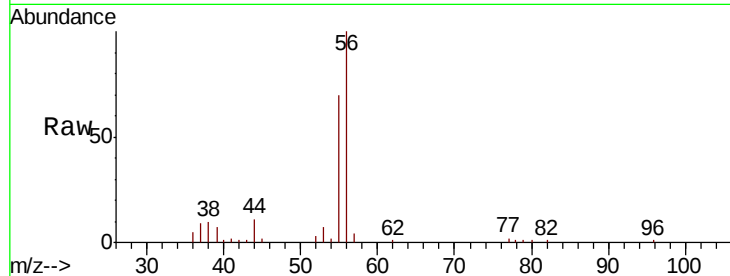
#13
Acrolein
Concen: 125.066 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.2	85.8

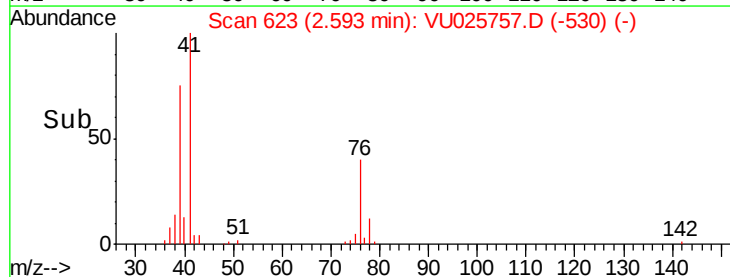
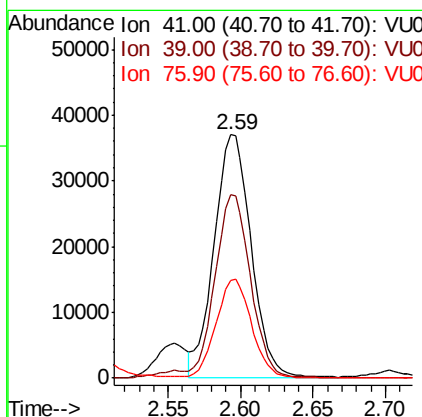
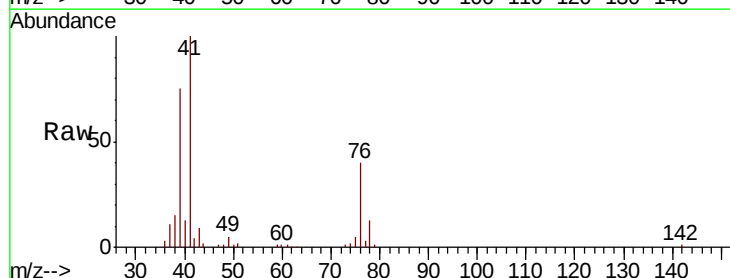
Manual Integrations
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8/2/2018 9:41:07 AM



#14
Allyl chloride
Concen: 19.561 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.1	60.6	91.0
76	38.9	30.5	45.7





#15

Acrylonitrile

Concen: 102.831 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

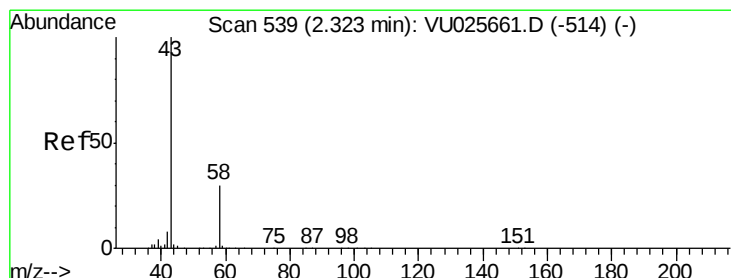
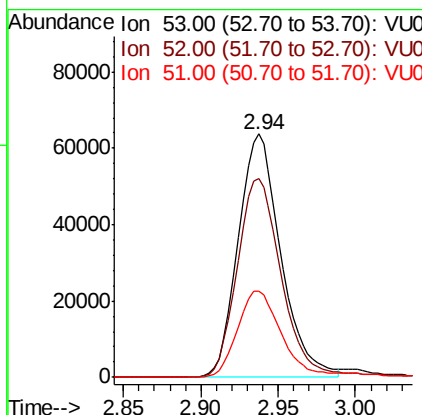
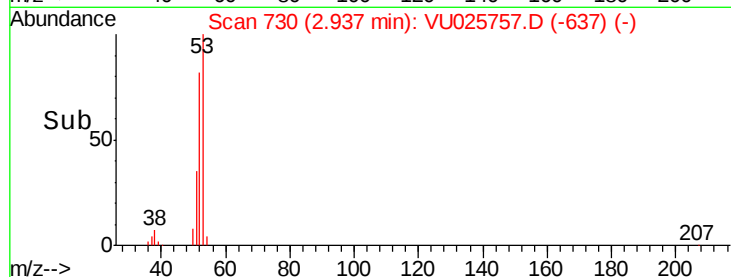
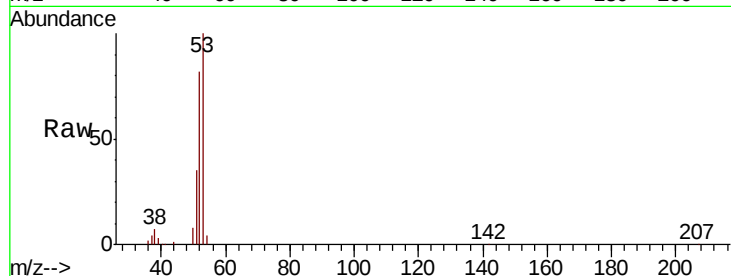
ClientSampleId :

VU0801WBSD01

Tot Ion:	53	Resp:	122091
Ion	Ratio	Lower	Upper
53	100		
52	85.7	66.6	99.8
51	38.1	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 85.910 ug/l

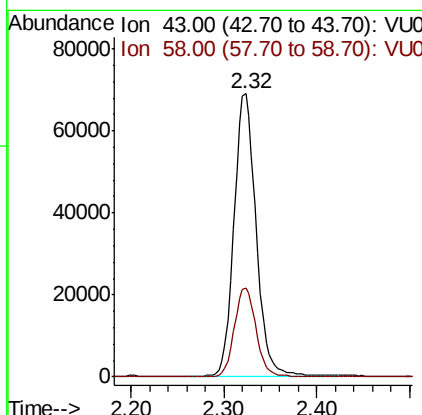
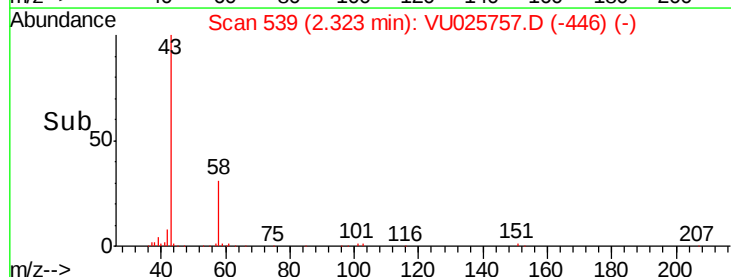
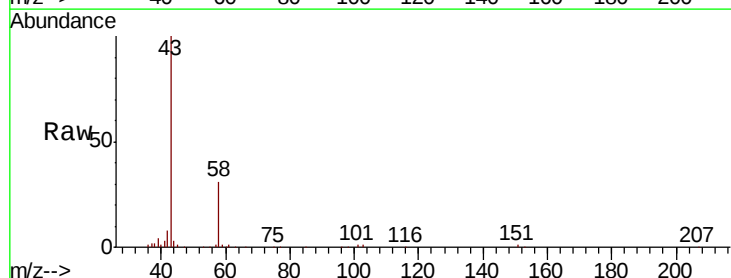
RT: 2.32 min Scan# 539

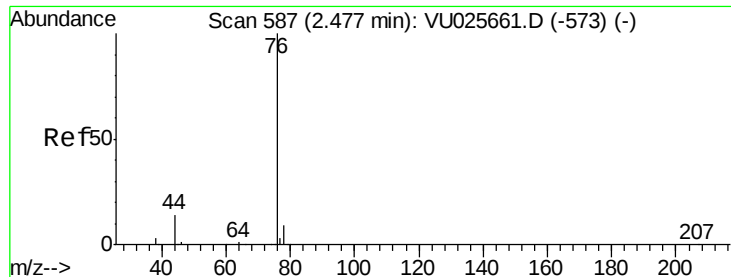
Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Tgt Ion:	43	Resp:	113765
Ion	Ratio	Lower	Upper
43	100		
58	31.4	23.1	34.7





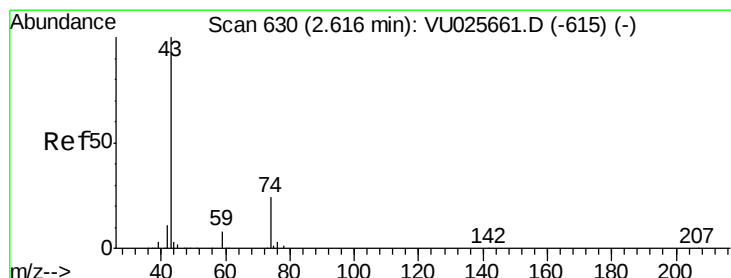
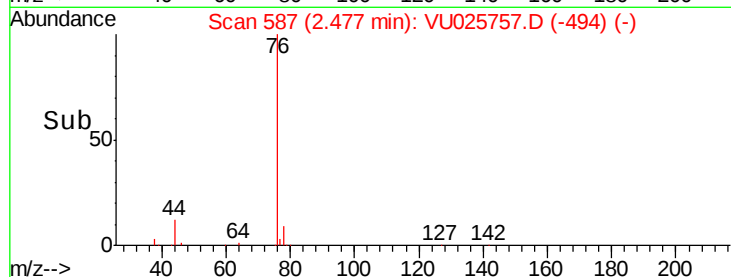
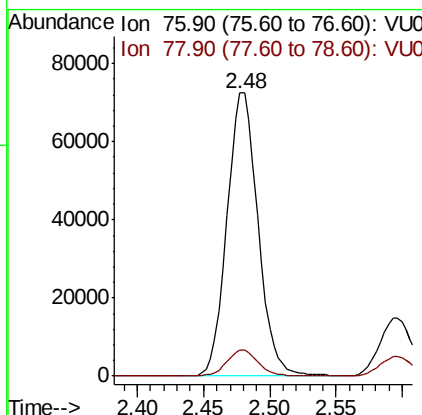
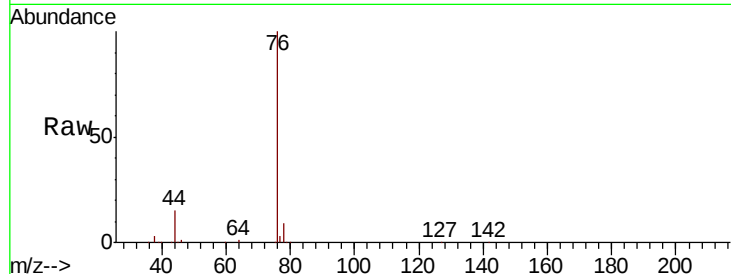
#17
Carbon Disulfide
Concen: 19.540 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

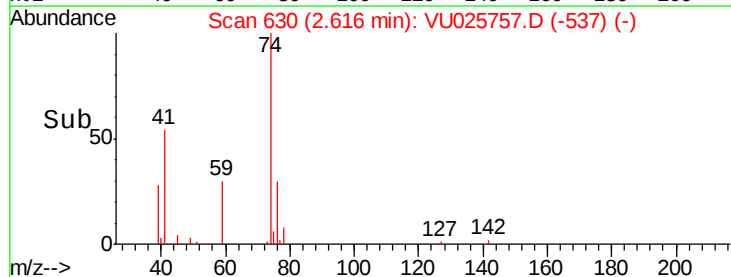
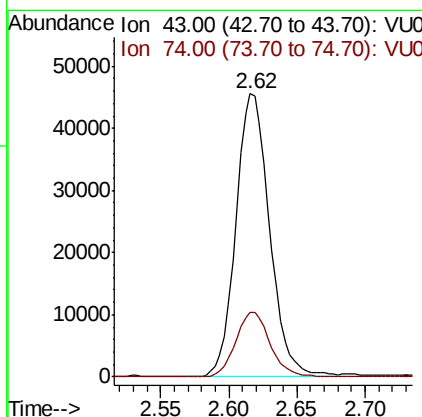
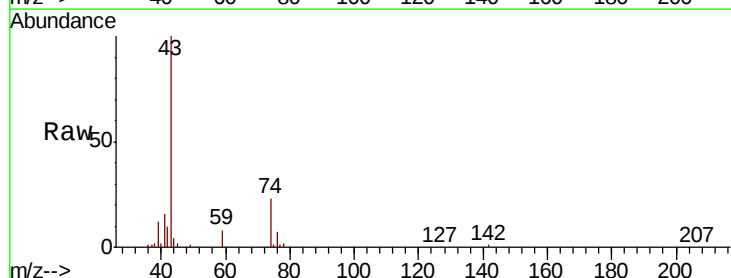
Manual Integrations
APPROVED

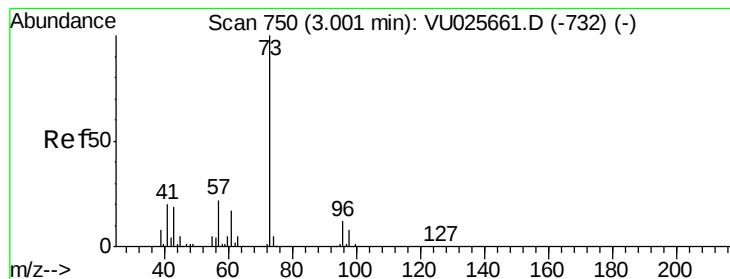
MMDadoda
8/2/2018 9:41:07 AM



#18
Methyl Acetate
Concen: 24.567 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.5	27.7





#19

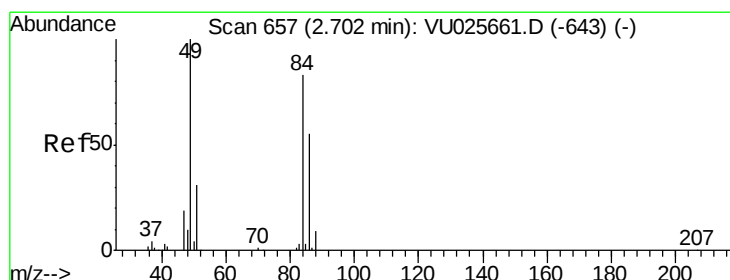
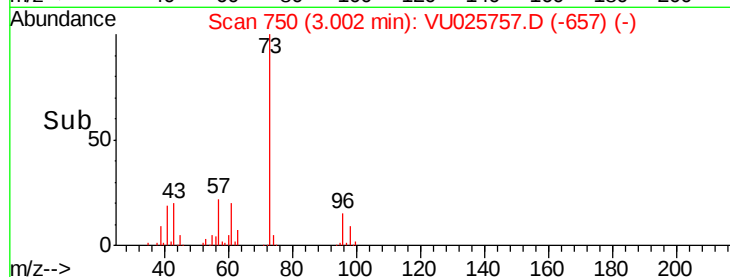
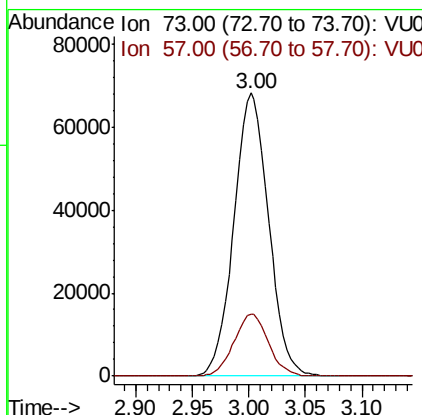
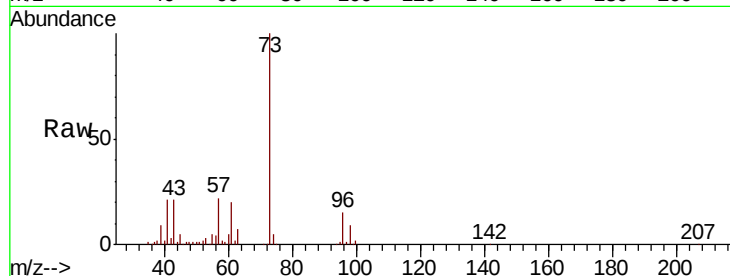
Methyl tert-butyl Ether
 Concen: 21.478 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU025757.D
 Acq: 31 Jul 2018 22:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.4	26.2

Manual Integrations
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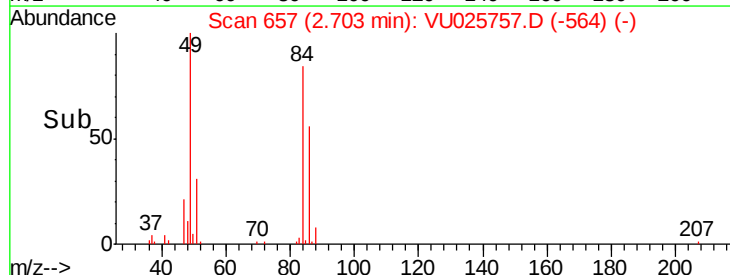
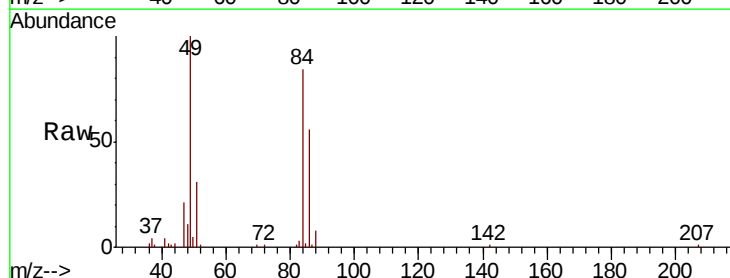
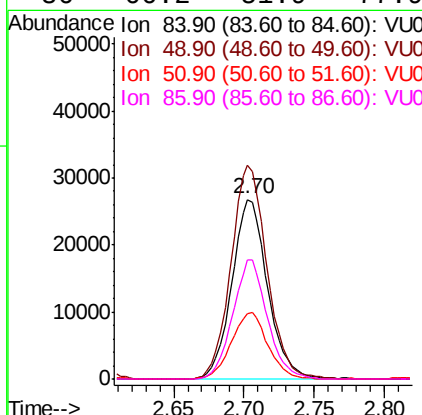
MMDadoda
 8/2/2018 9:41:07 AM

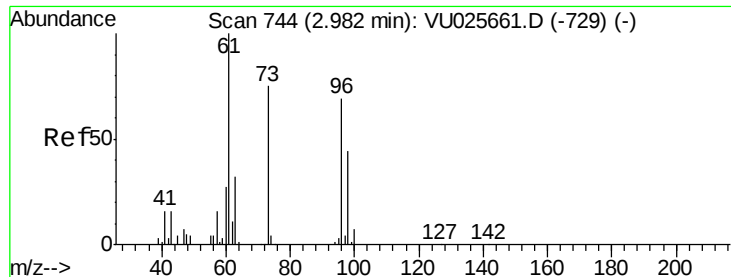


#20

Methylene Chloride
 Concen: 20.188 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VU025757.D
 Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.1	101.8	152.6
51	36.4	30.8	46.2
86	66.2	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 21.001 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

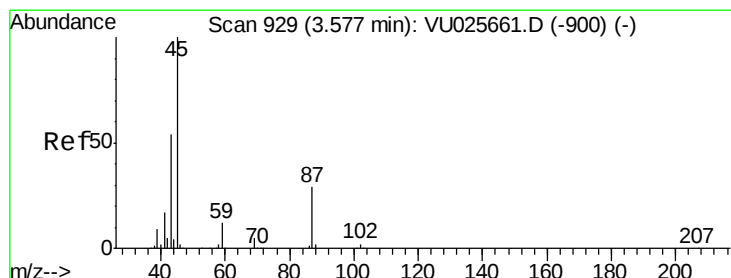
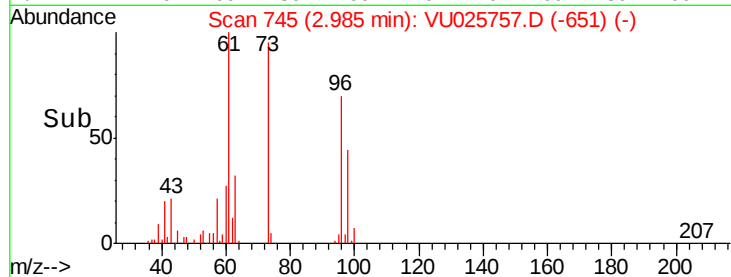
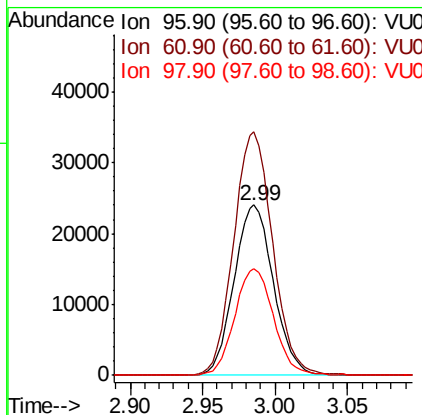
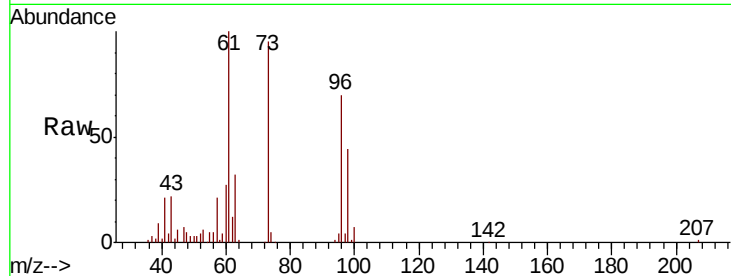
ClientSampleId :

VU0801WBSD01

Tot Ion:	96	Resp:	45439
Ion	Ratio	Lower	Upper
96	100		
61	143.1	114.5	171.7
98	62.5	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.422 ug/l

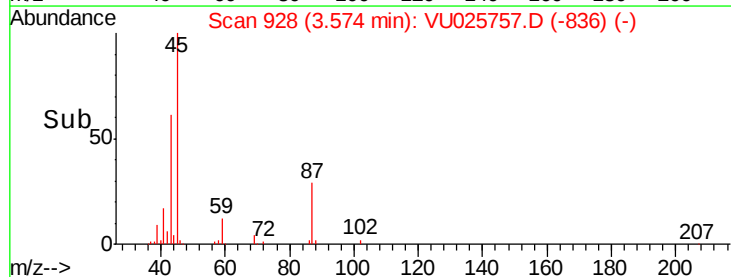
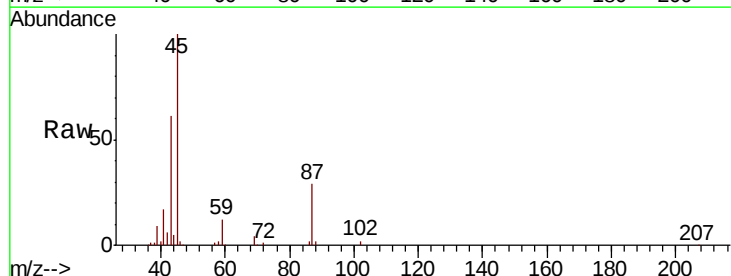
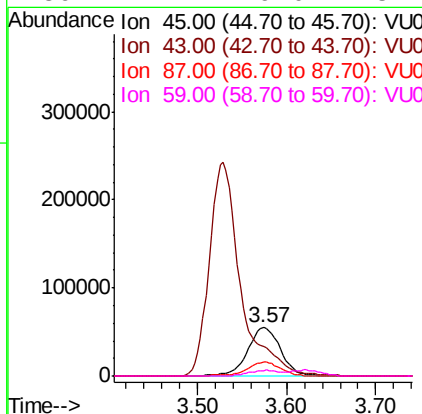
RT: 3.57 min Scan# 928

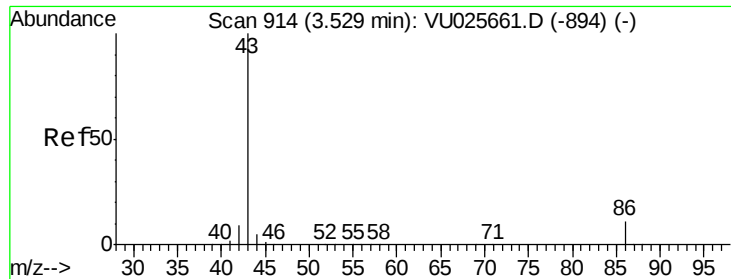
Delta R.T. -0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Tgt Ion:	45	Resp:	141994
Ion	Ratio	Lower	Upper
45	100		
43	59.6	50.9	76.3
87	28.8	23.8	35.8
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 102.396 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD01

Tot Ion: 43 Resp: 591486

Ion Ratio Lower Upper

43 100

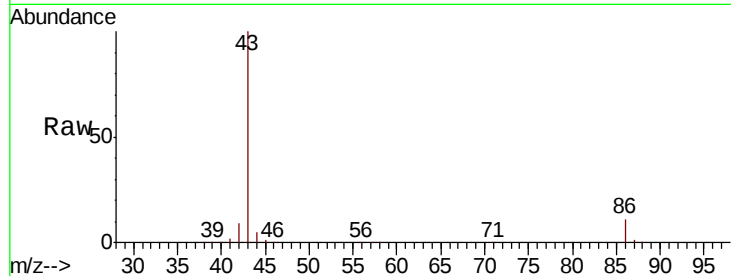
86 11.0 8.2 12.2

Manual Integrations

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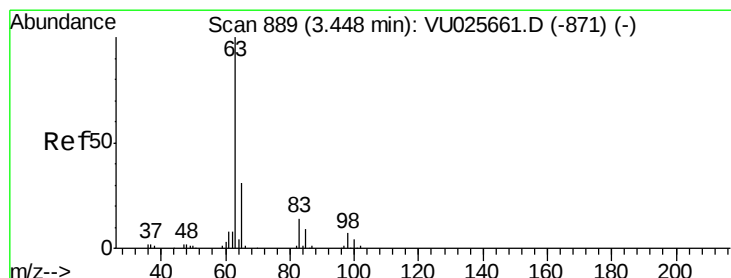
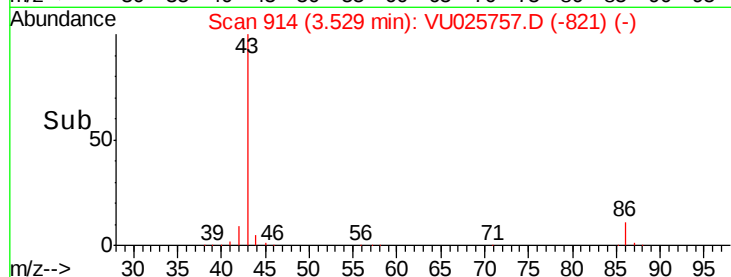
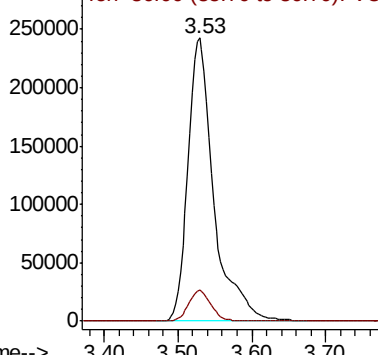
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 21.475 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

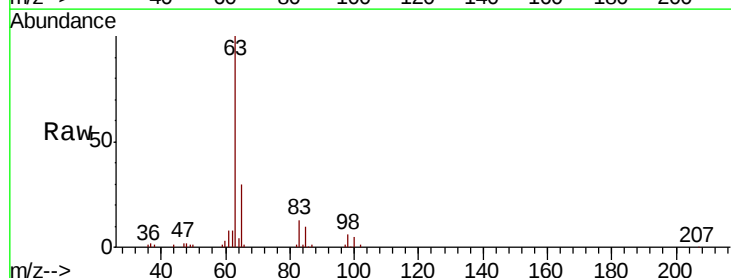
Tgt Ion: 63 Resp: 85447

Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.1

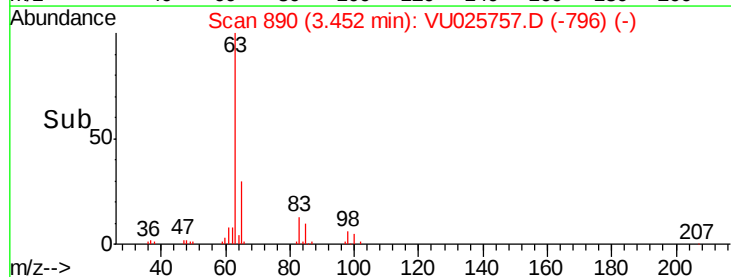
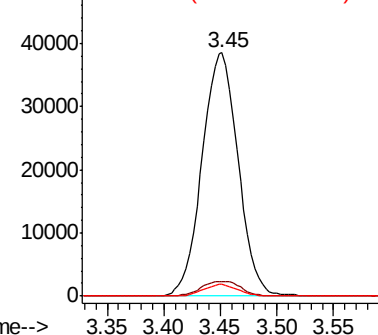
100 4.8 2.0 6.0

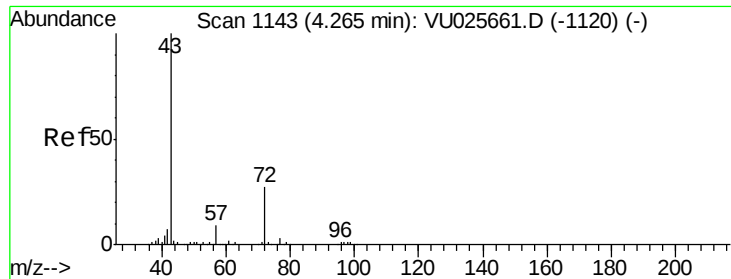


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





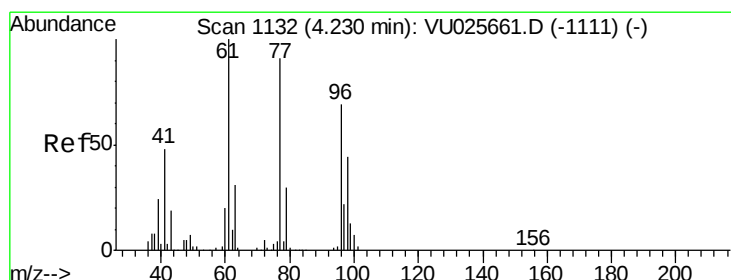
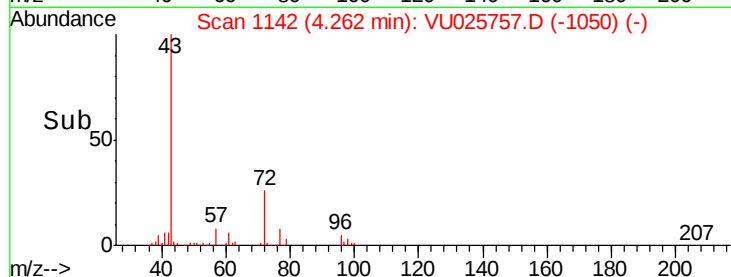
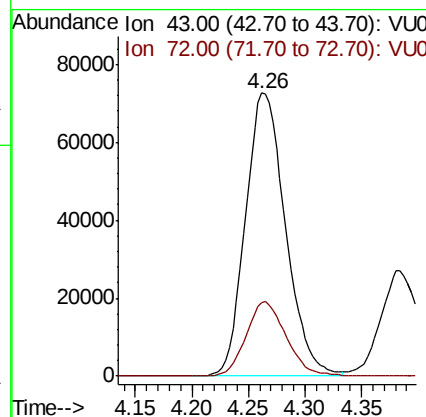
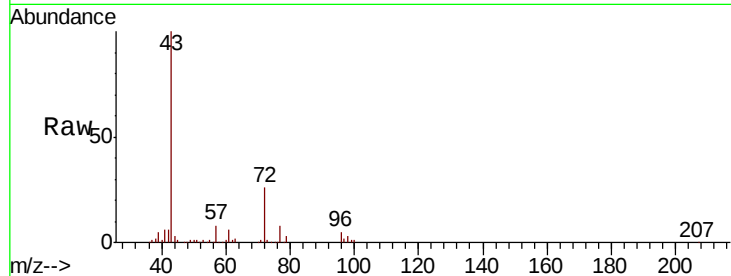
#25
2-Butanone
Concen: 98.767 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion: 43 Resp: 178041
Ion Ratio Lower Upper
43 100
72 26.0 21.0 31.4

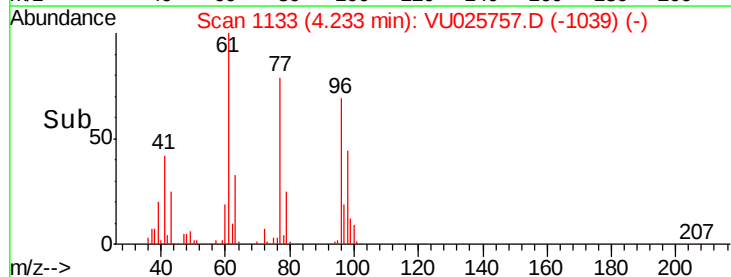
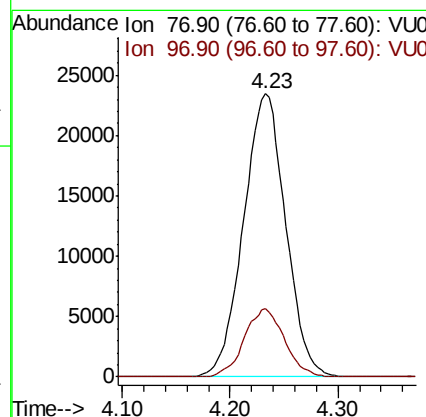
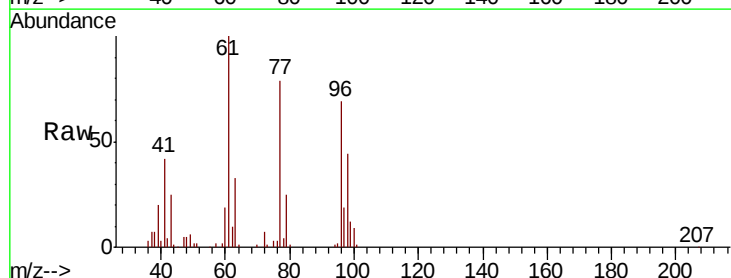
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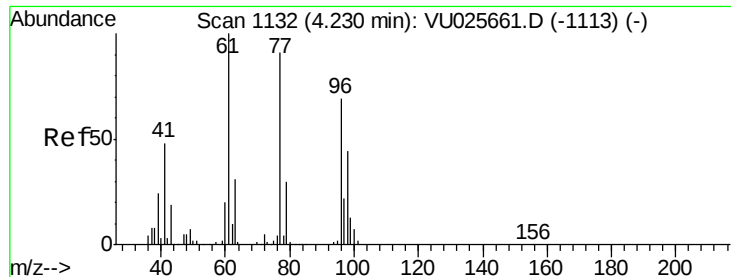
MMDadoda
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#26
2,2-Dichloropropane
Concen: 17.595 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion: 77 Resp: 63631
Ion Ratio Lower Upper
77 100
97 23.0 11.2 33.5





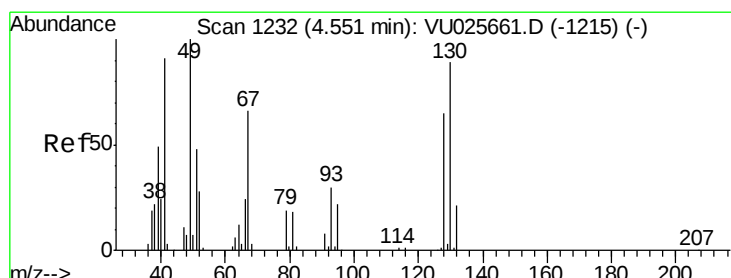
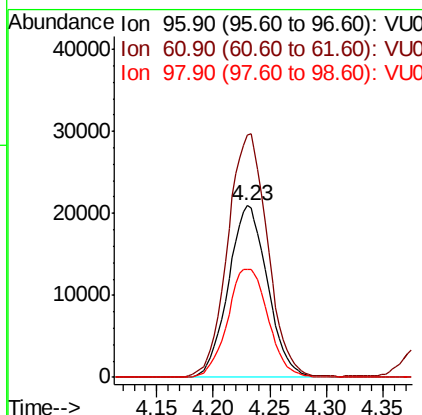
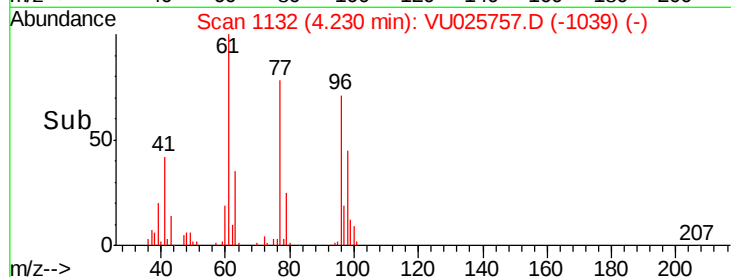
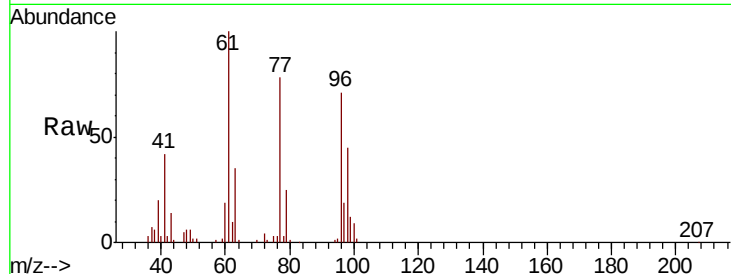
#27
 cis-1,2-Dichloroethene
 Concen: 20.685 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025757.D
 Acq: 31 Jul 2018 22:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.3	0.0	299.8	
98	65.0	0.0	128.6	

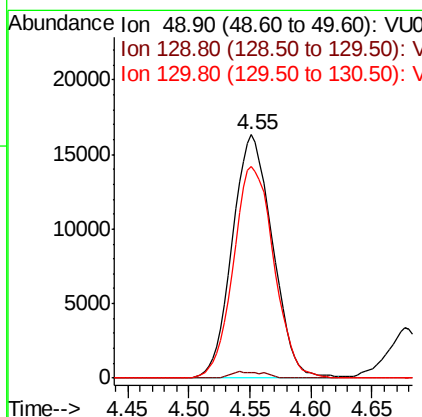
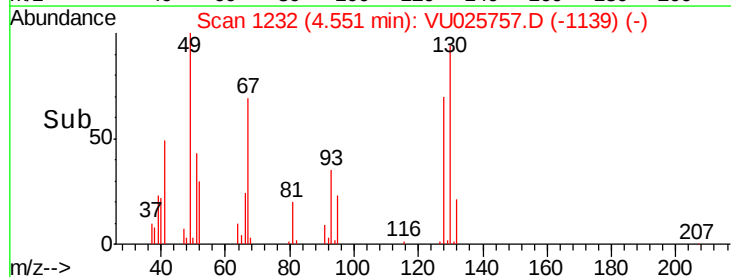
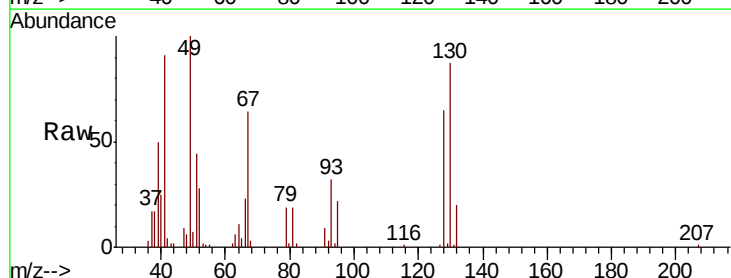
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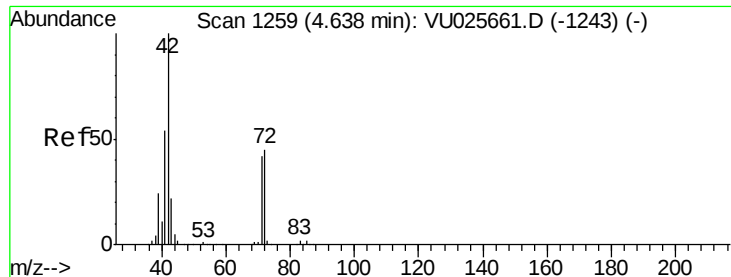
MMDadoda
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#28
 Bromochloromethane
 Concen: 20.968 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025757.D
 Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.6	
130	87.6	68.6	102.8	





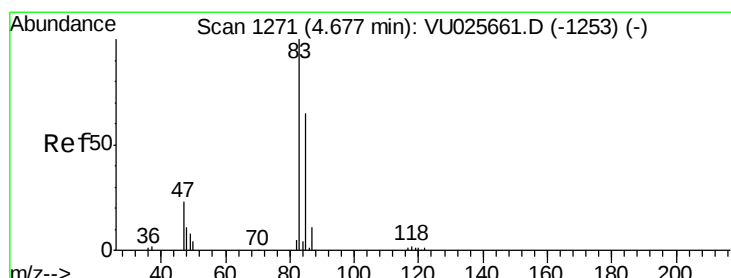
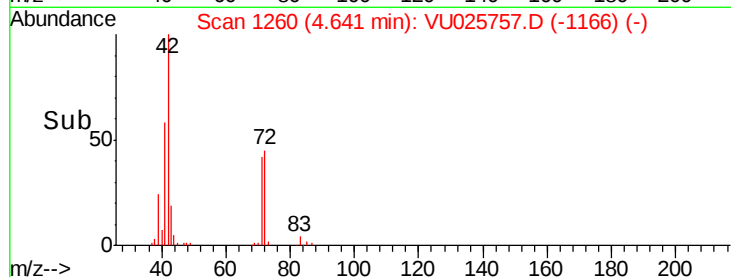
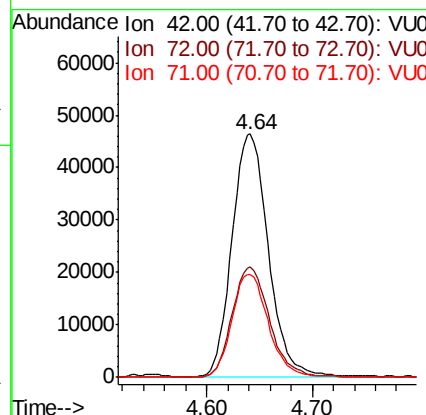
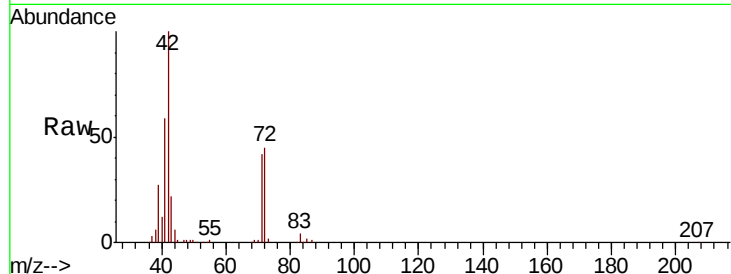
#29
Tetrahydrofuran
Concen: 103.041 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	36.7	55.1
71	42.3	33.9	50.9

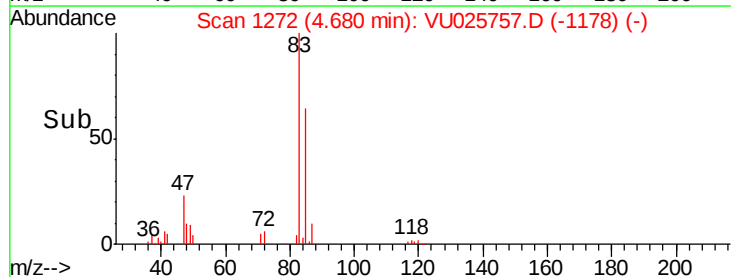
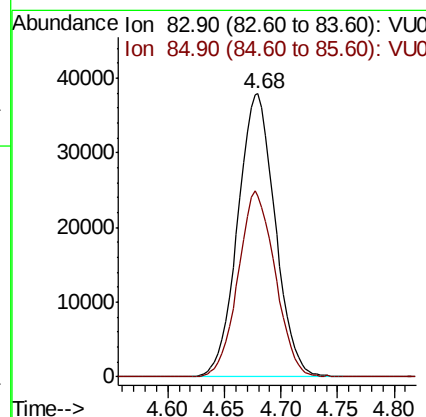
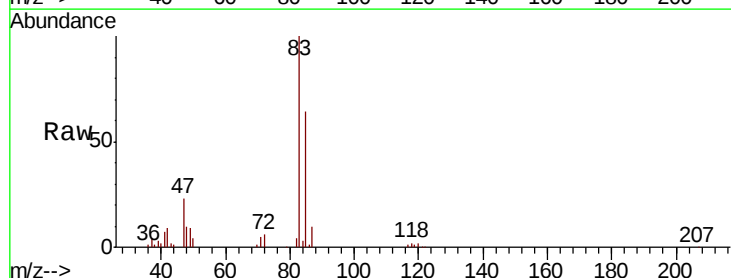
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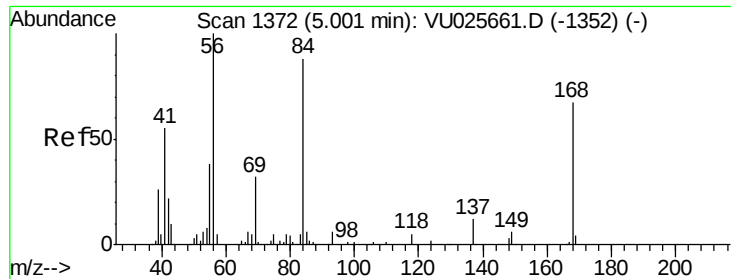
MMDadoda
8/2/2018 9:41:07 AM



#30
Chloroform
Concen: 20.766 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3





#31

Cyclohexane

Concen: 20.666 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD01

Tot Ion: 56 Resp: 74275

Ion Ratio Lower Upper

56 100

69 34.3 26.8 40.2

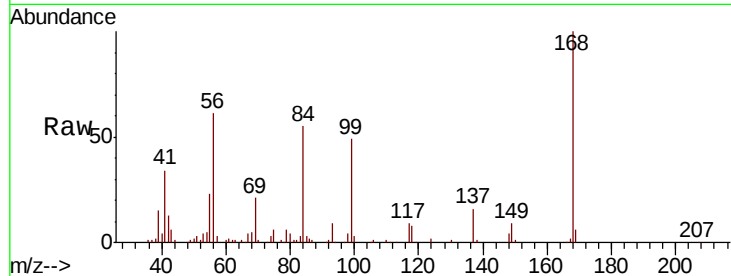
84 88.6 69.7 104.5

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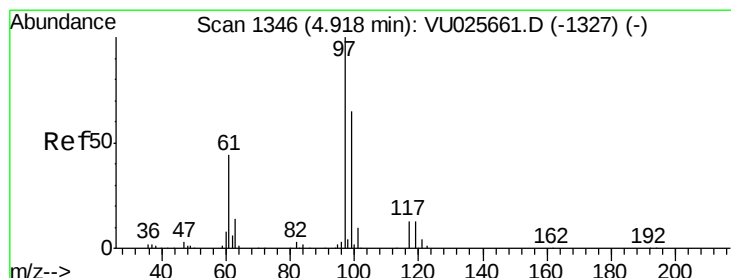
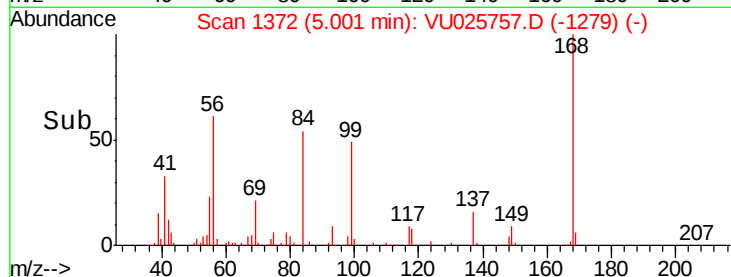
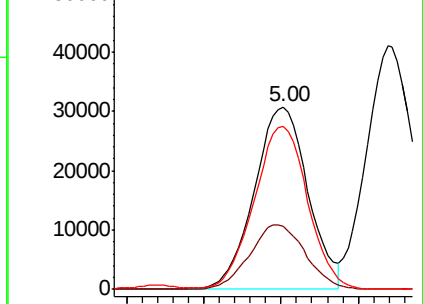
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 21.519 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

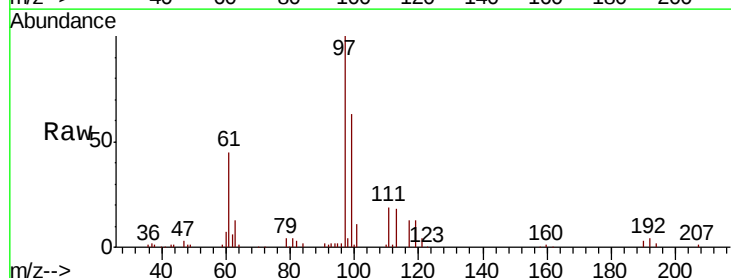
Tgt Ion: 97 Resp: 81367

Ion Ratio Lower Upper

97 100

99 63.0 50.8 76.2

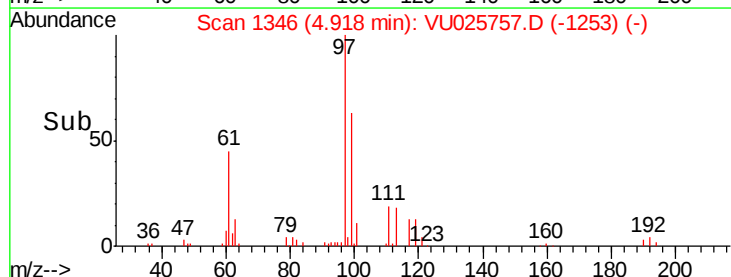
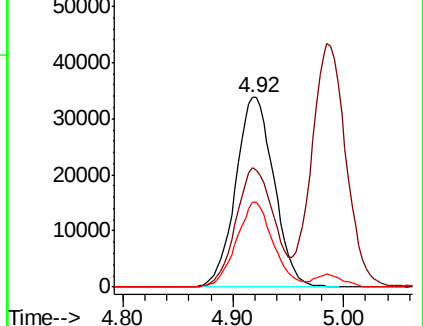
61 43.0 35.2 52.8

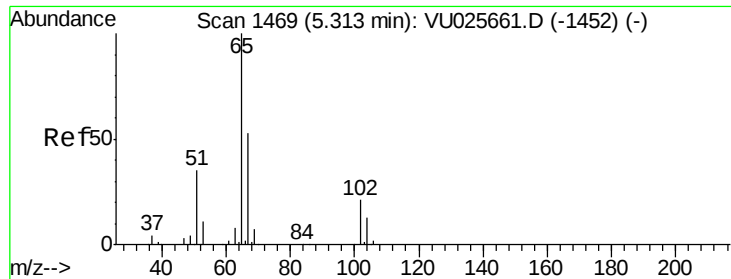


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 50.663 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD01

Tot Ion: 65 Resp: 137609

Ion Ratio Lower Upper

65 100

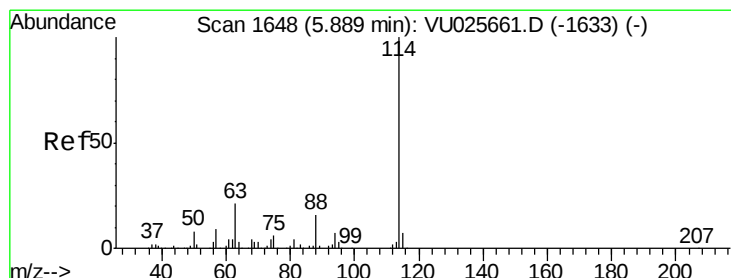
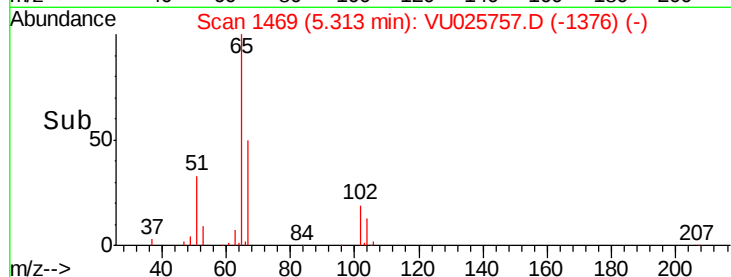
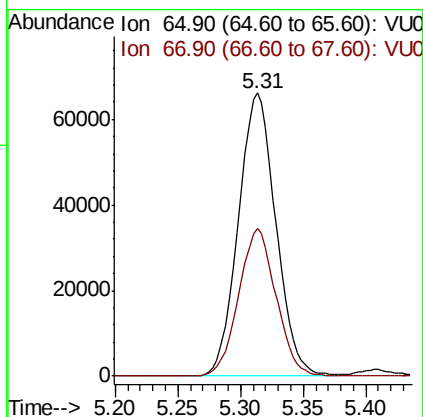
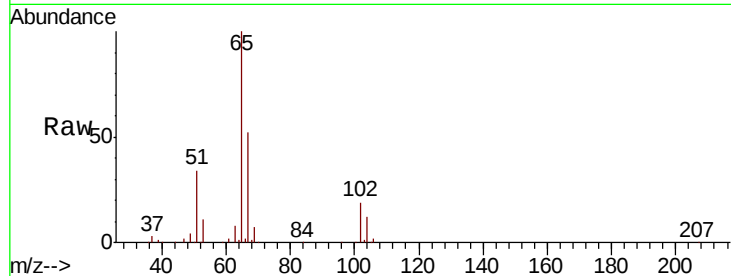
67 52.1 0.0 103.6

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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: VU025757.D

Acq: 31 Jul 2018 22:25

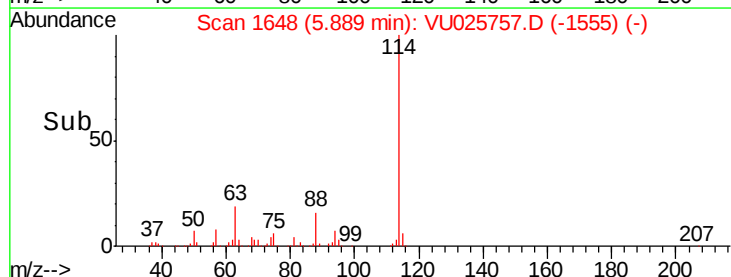
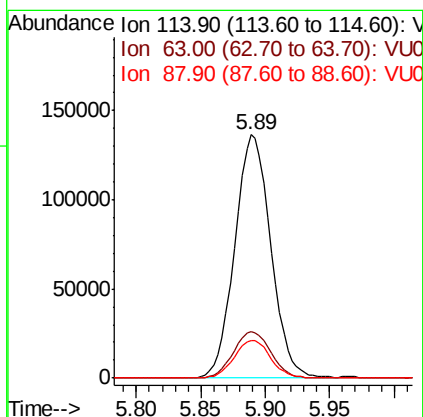
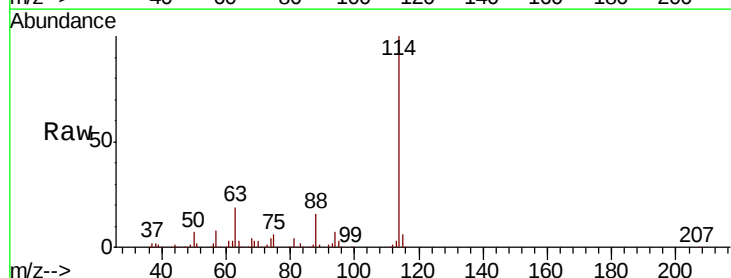
Tgt Ion: 114 Resp: 265030

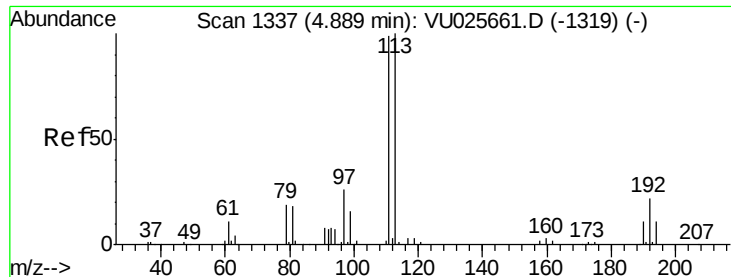
Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.6

88 15.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.139 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

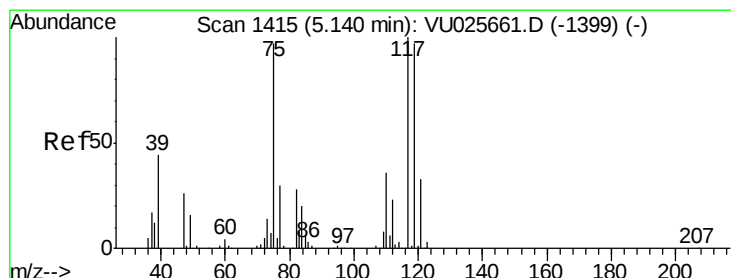
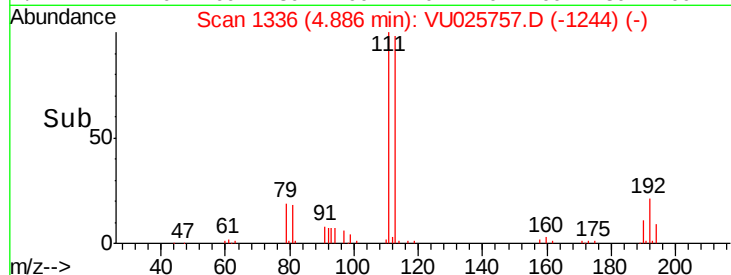
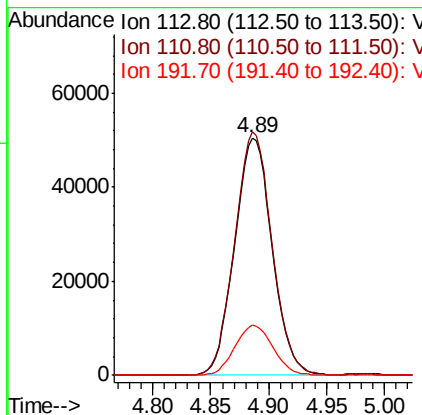
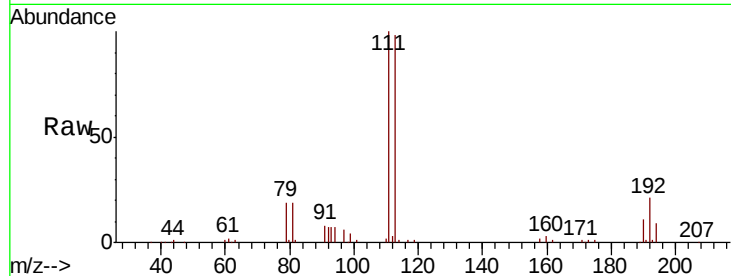
ClientSampleId :

VU0801WBSD01

Tot Ion:	113	Resp:	113271
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.7	122.5
192	21.5	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 21.326 ug/l

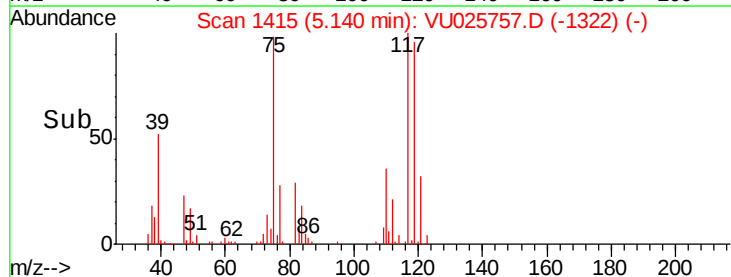
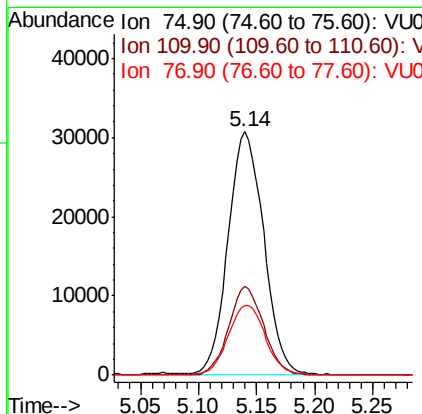
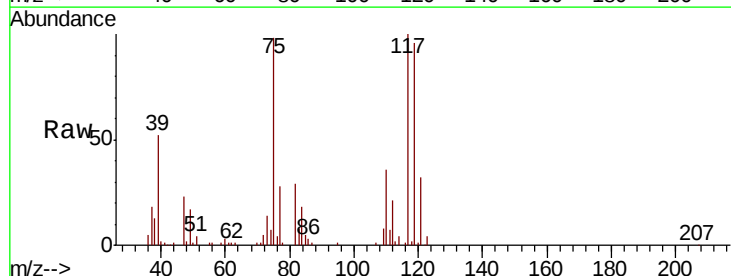
RT: 5.14 min Scan# 1415

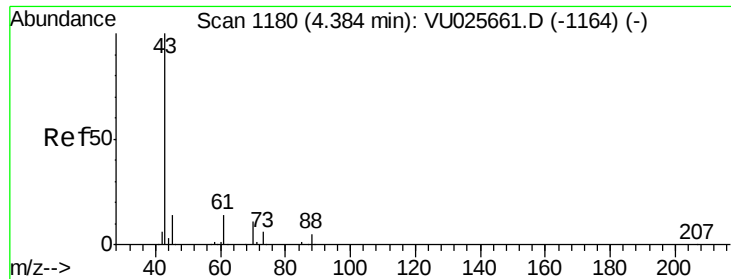
Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Tgt Ion:	75	Resp:	66054
Ion Ratio	Lower	Upper	
75	100		
110	35.4	17.6	52.9
77	29.9	24.4	36.6





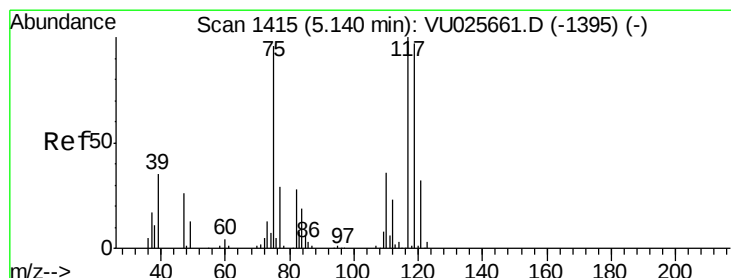
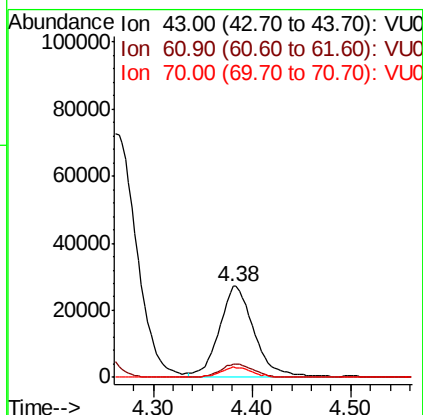
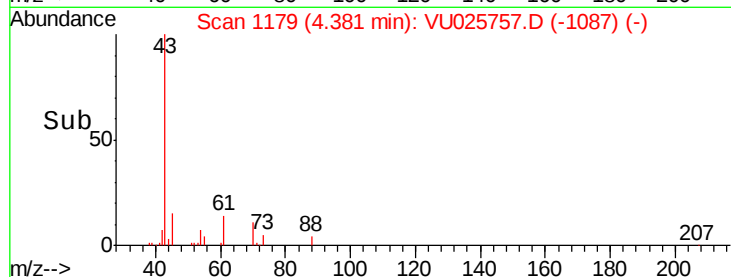
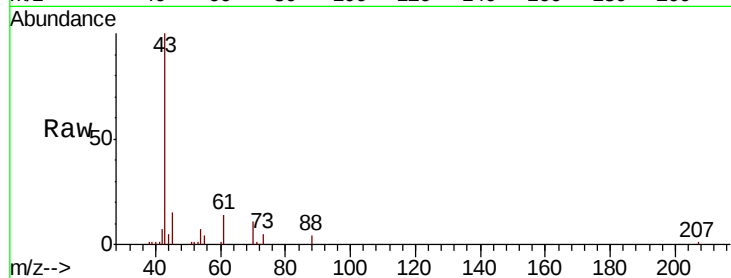
#37
Ethyl Acetate
Concen: 20.457 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.7	16.1
70	10.4	8.4	12.6

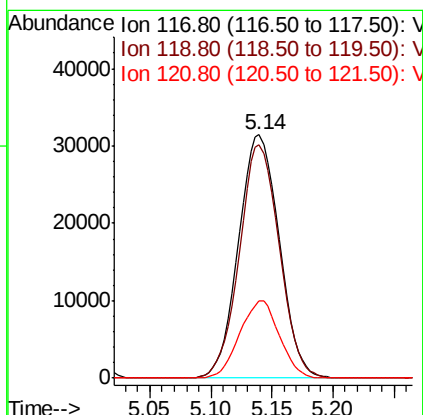
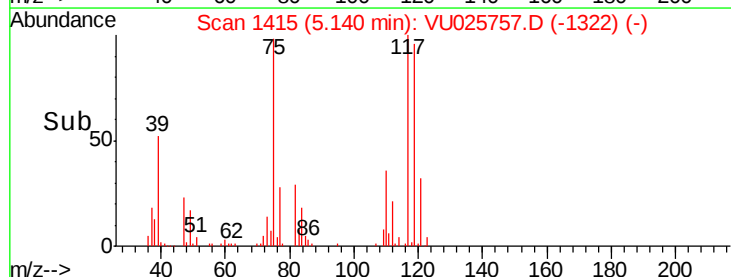
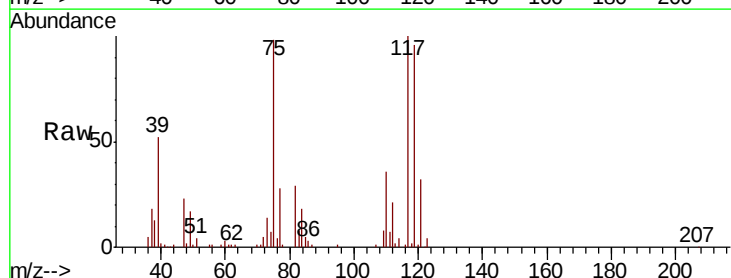
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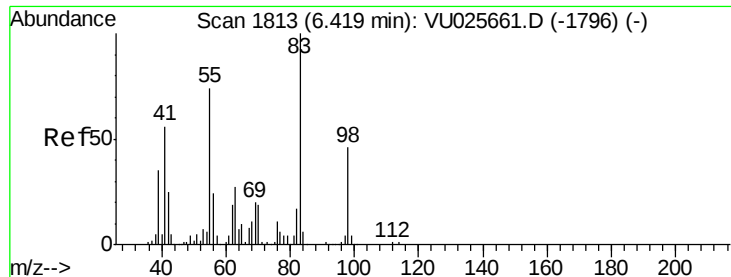
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#38
Carbon Tetrachloride
Concen: 20.688 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.7	113.5
121	31.7	24.6	36.8





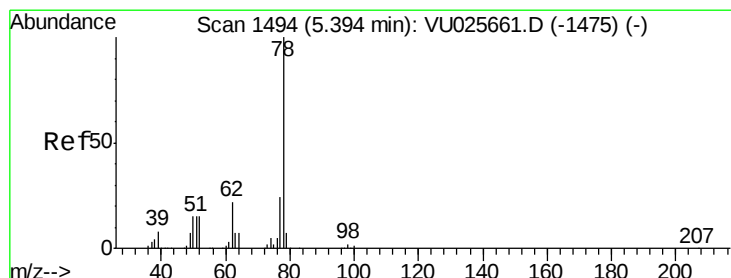
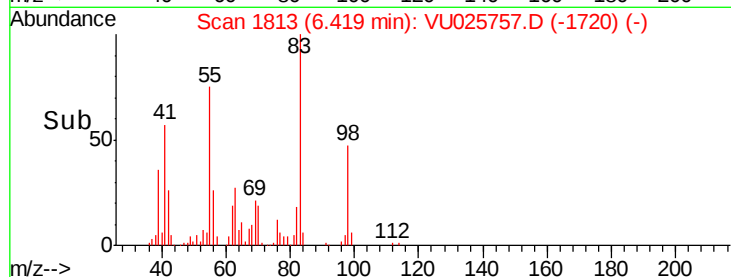
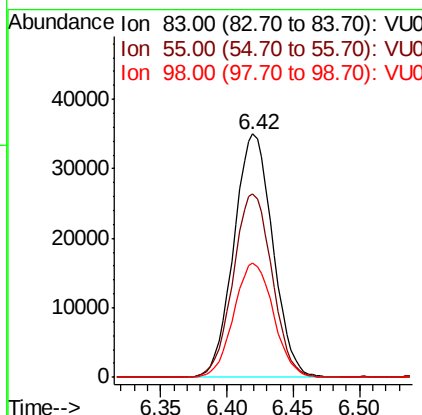
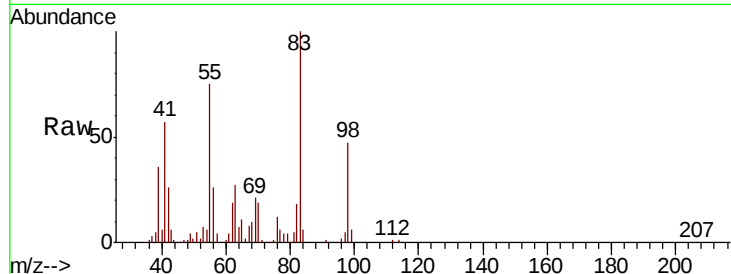
#39
Methvlcvclohexane
Concen: 20.103 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	60.0	90.0
98	46.8	36.1	54.1

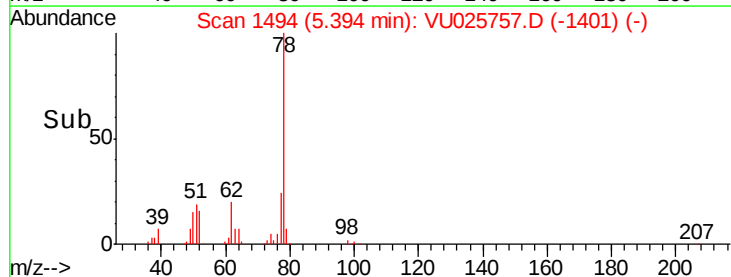
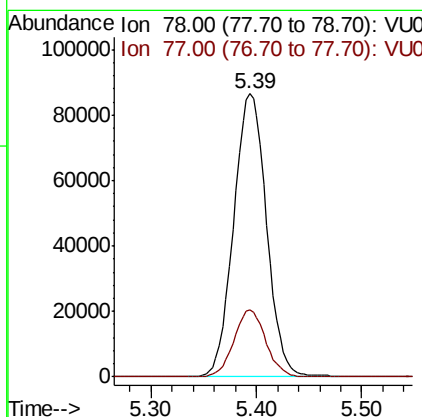
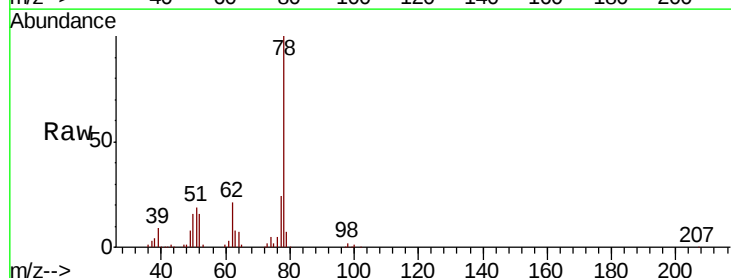
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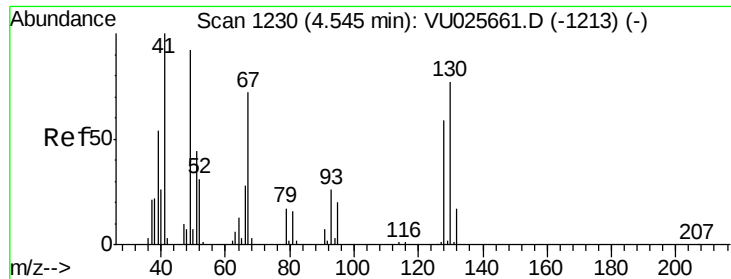
MMDadoda
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#40
Benzene
Concen: 20.628 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.8	29.6





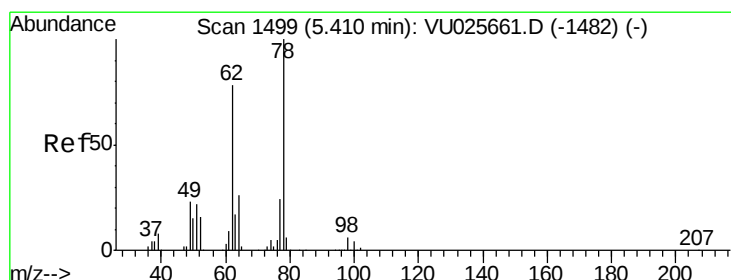
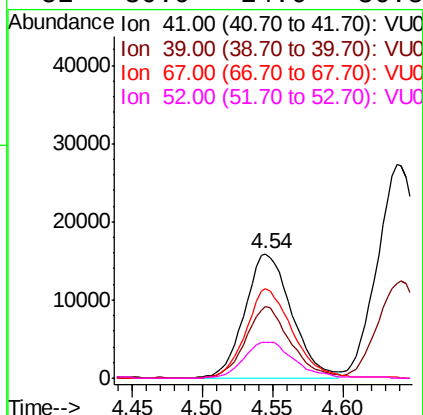
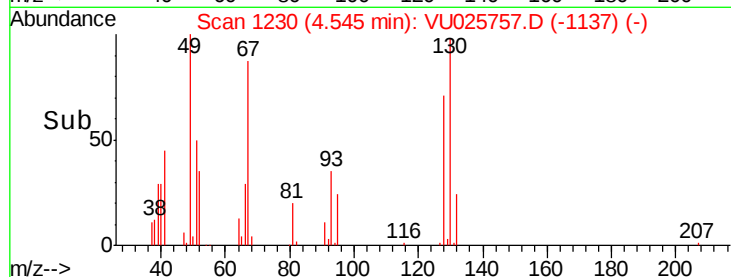
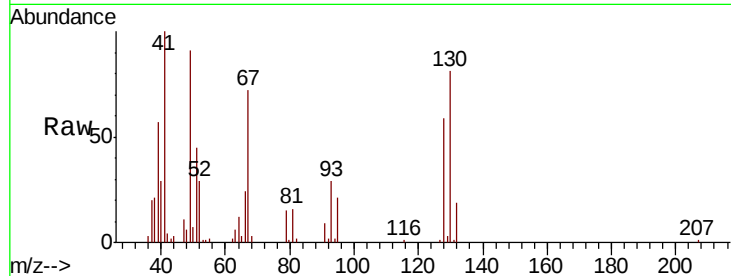
#41
Methacrylonitrile
Concen: 20.795 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.4	66.6
67	71.9	56.0	84.0
52	30.9	24.6	36.8

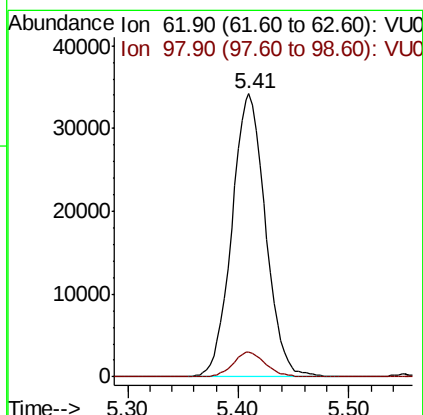
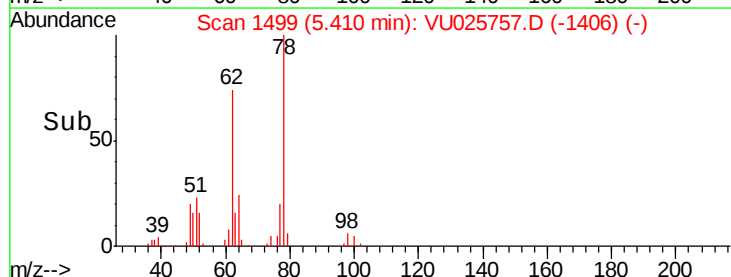
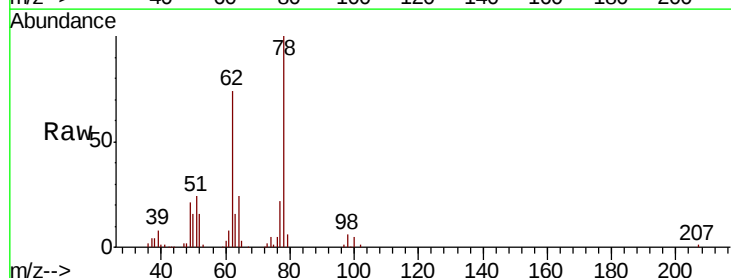
Manual Integrations
APPROVED

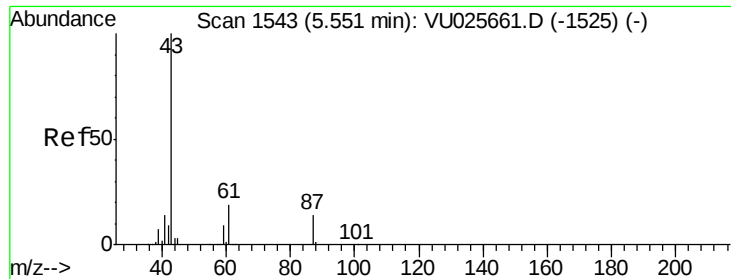
MMDadoda
8/2/2018 9:41:07 AM



#42
1,2-Dichloroethane
Concen: 20.695 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4





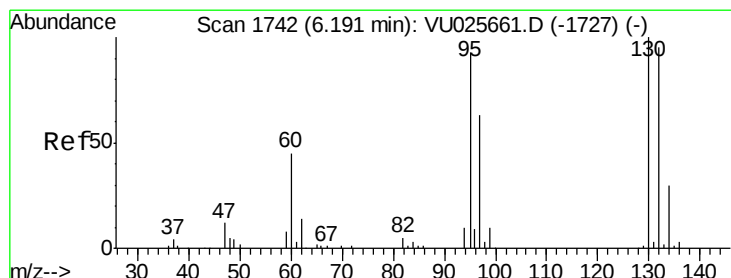
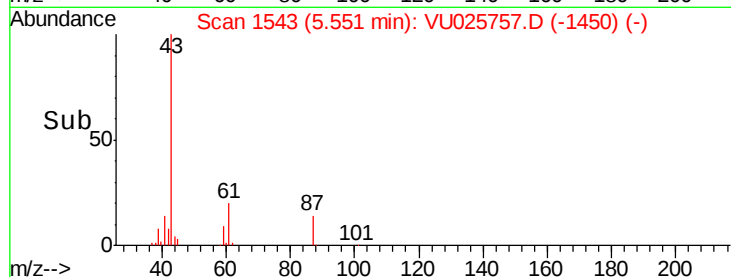
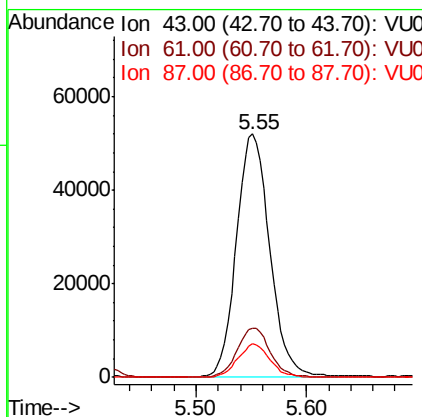
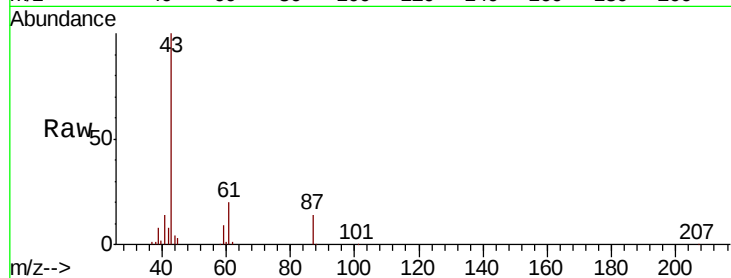
#43
Isopropyl Acetate
Concen: 20.645 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.5	23.3
87	13.2	10.6	16.0

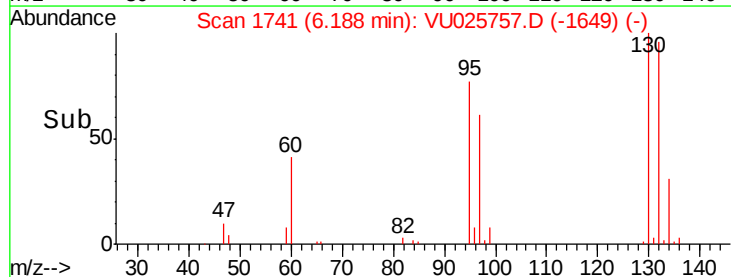
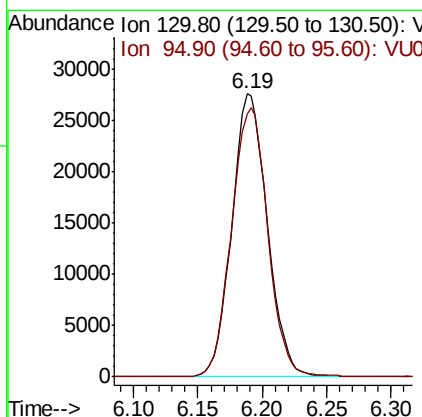
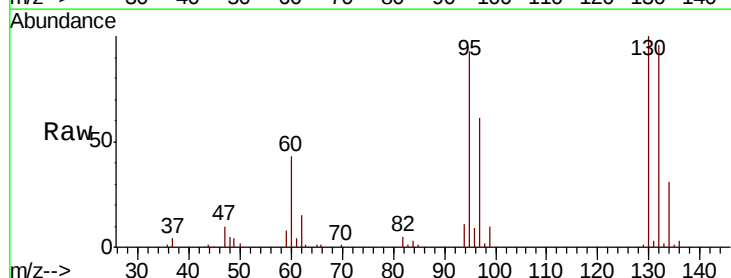
Manual Integrations
APPROVED

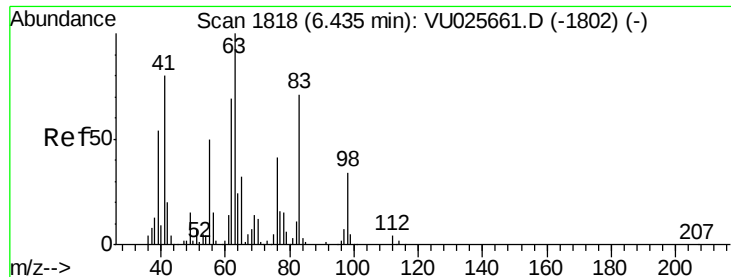
MMDadoda
8/2/2018 9:41:07 AM



#44
Trichloroethene
Concen: 20.888 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	192.2





#45

1,2-Dichloropropane

Concen: 20.558 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD01

Tot Ion: 63 Resp: 48542

Ion Ratio Lower Upper

63 100

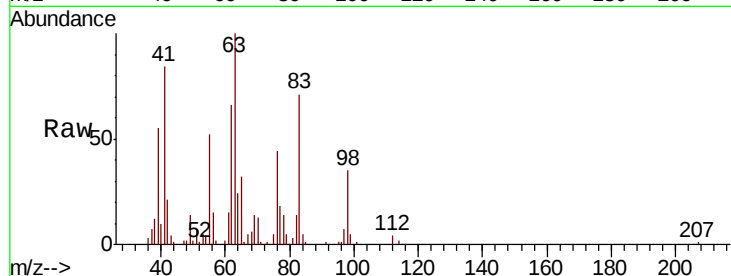
65 31.9 26.1 39.1

Manual Integrations

APPROVED

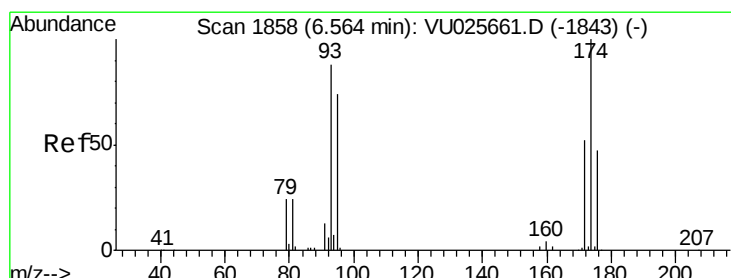
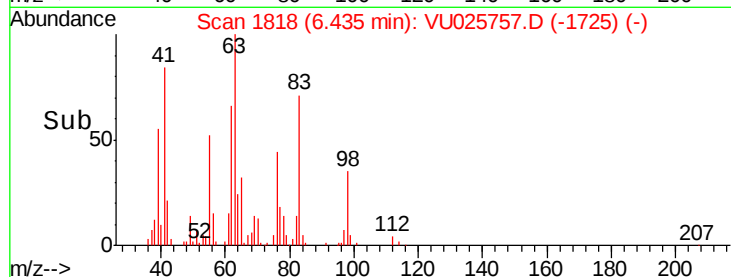
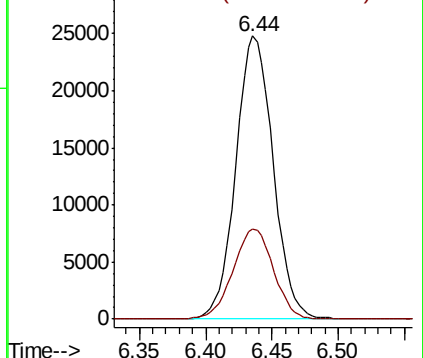
MMDadoda

8/2/2018 9:41:07 AM



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 20.646 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

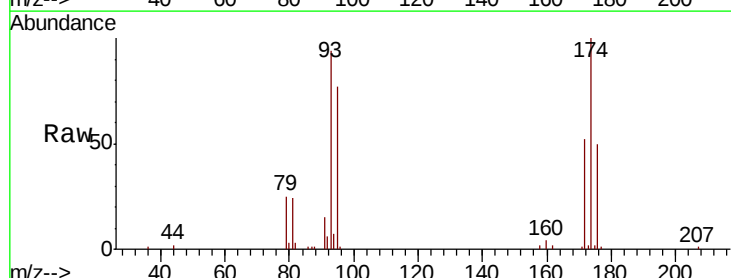
Tgt Ion: 93 Resp: 35323

Ion Ratio Lower Upper

93 100

95 82.7 66.6 100.0

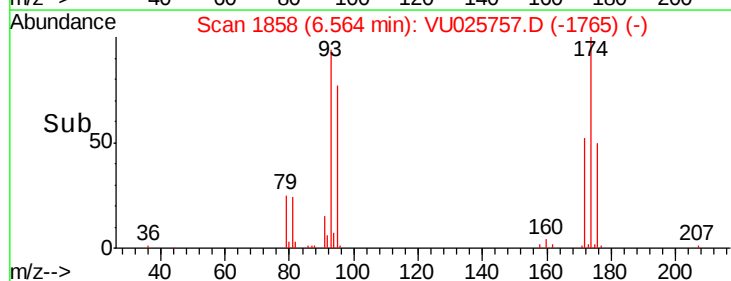
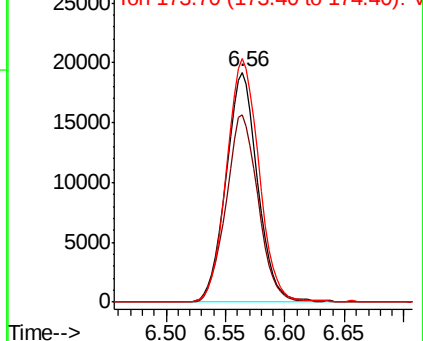
174 108.3 85.8 128.8

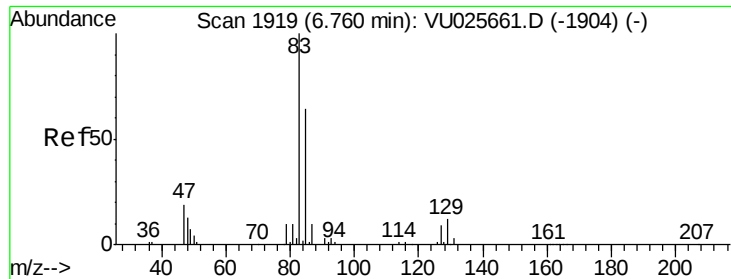


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





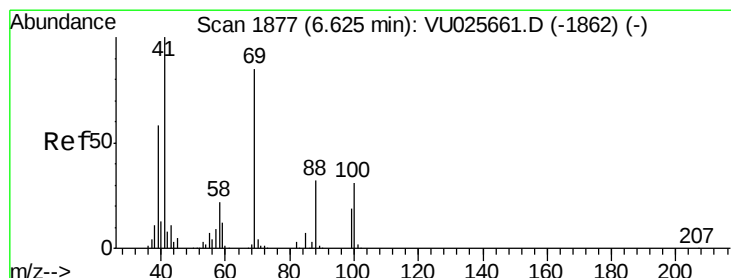
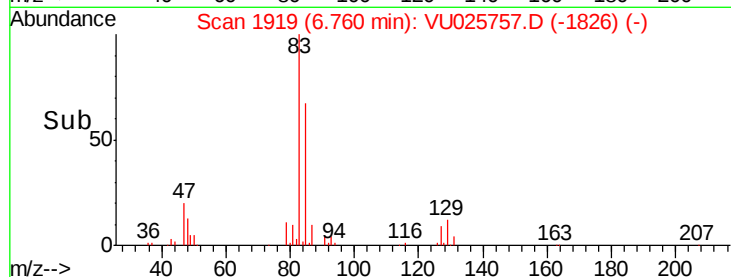
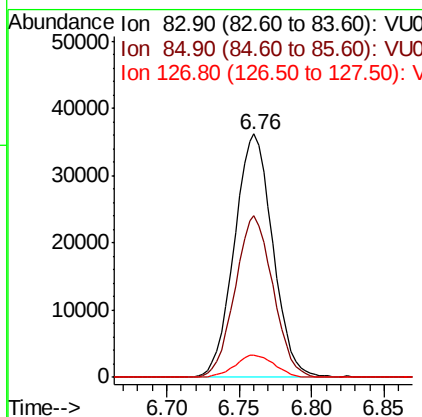
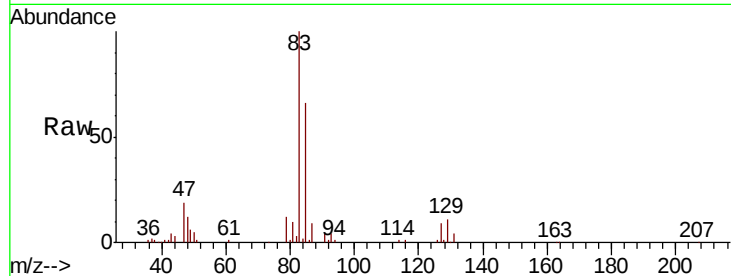
#47
Bromodichloromethane
Concen: 20.407 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion	83	Resp	66600
Ion Ratio	100	Lower	Upper
85	66.2	50.2	75.4
127	9.0	7.2	10.8

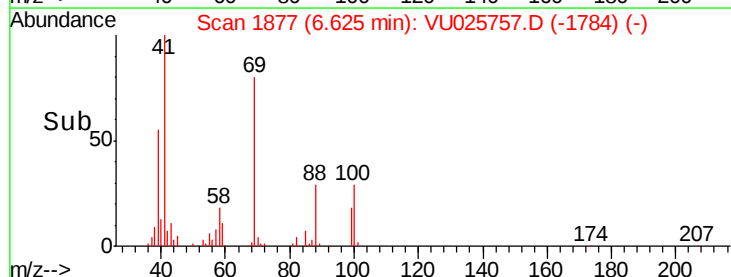
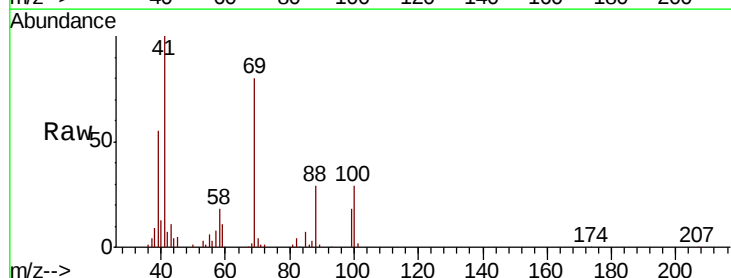
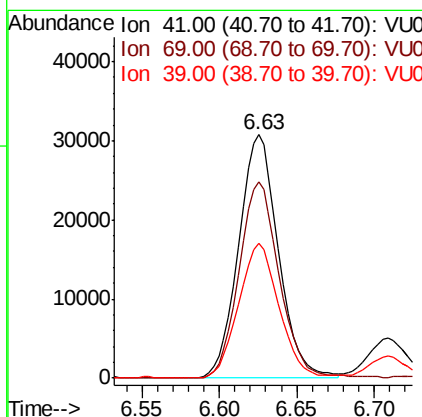
Manual Integrations
APPROVED

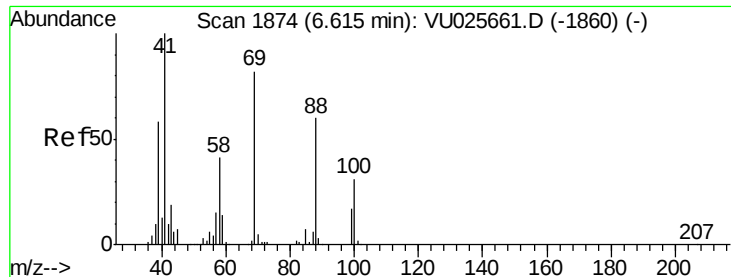
MMDadoda
8/2/2018 9:41:07 AM



#48
Methyl methacrylate
Concen: 21.153 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion	41	Resp	55022
Ion Ratio	100	Lower	Upper
69	81.7	65.0	97.4
39	56.4	46.4	69.6





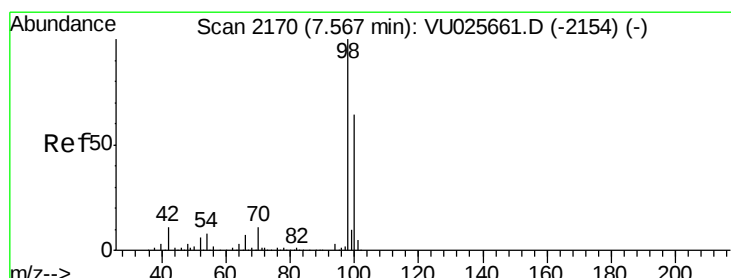
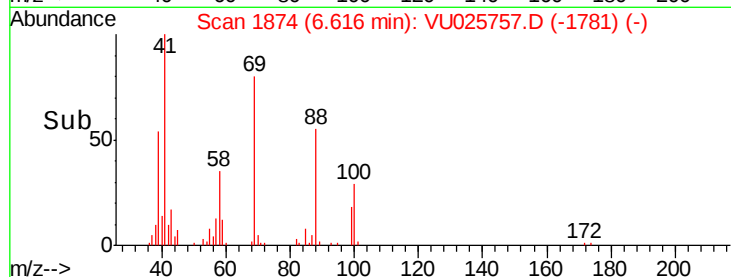
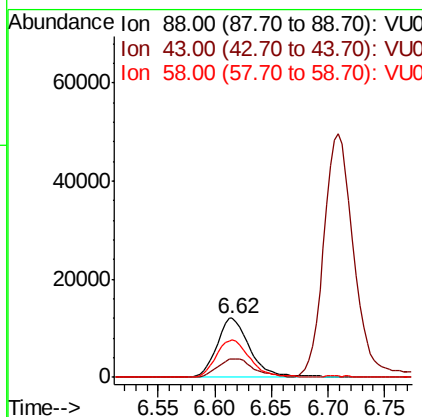
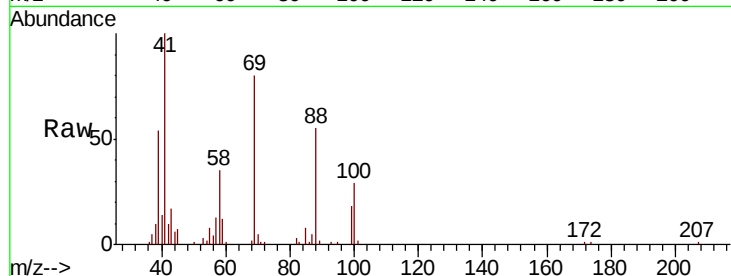
#49
1,4-Dioxane
Concen: 386.688 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	27.3	40.9
58	64.7	57.6	86.4

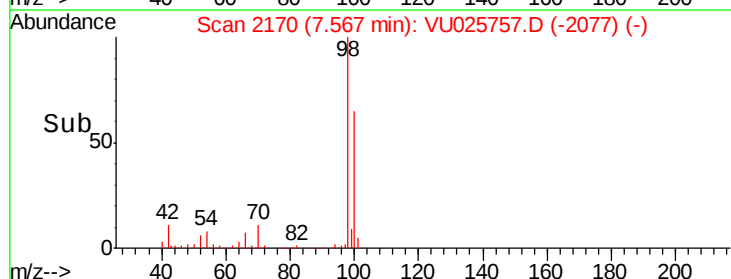
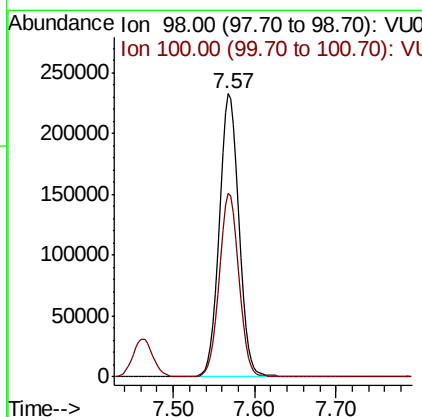
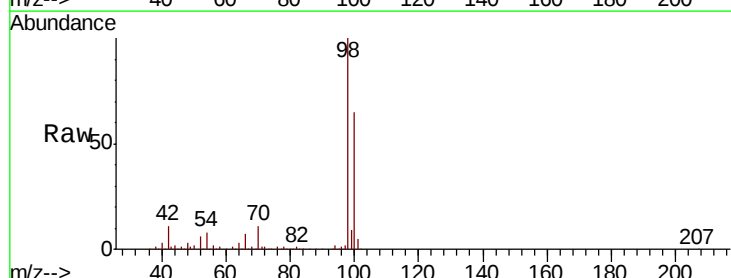
Manual Integrations
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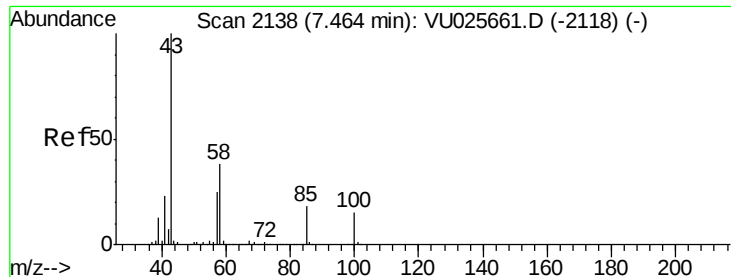
MMDadoda
8/2/2018 9:41:07 AM



#50
Toluene-d8
Concen: 49.455 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 103.178 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD01

Tot Ion: 43 Resp: 342817

Ion Ratio Lower Upper

43 100

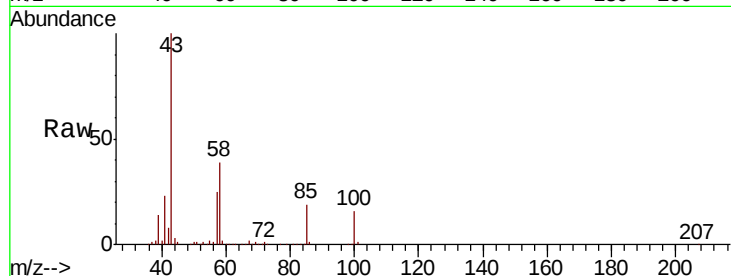
58 38.8 31.0 46.4

Manual Integrations

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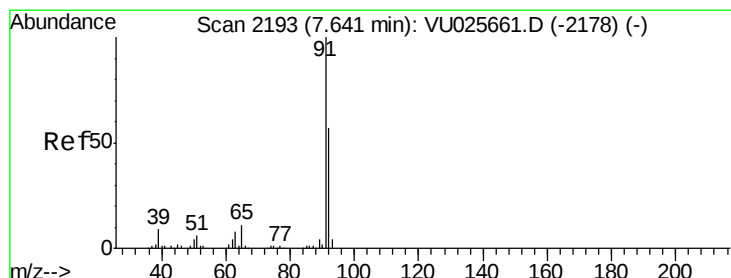
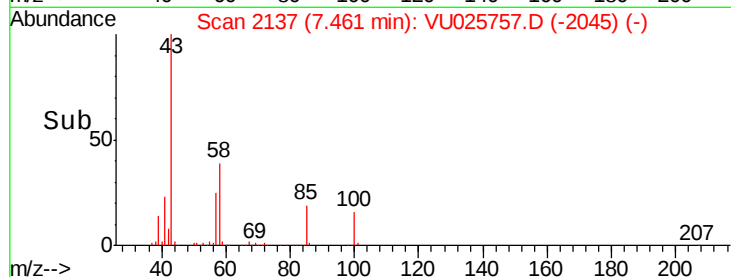
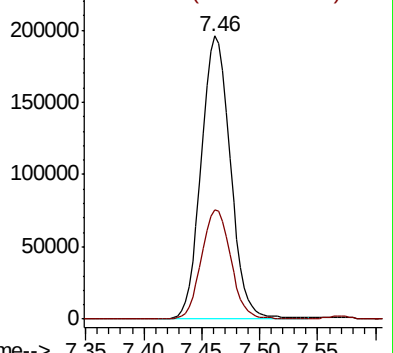
MMDadoda

8/2/2018 9:41:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 21.141 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025757.D

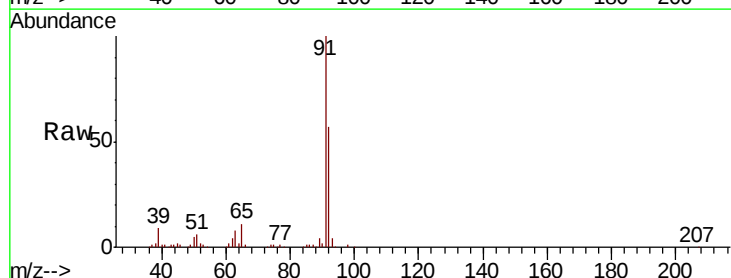
Acq: 31 Jul 2018 22:25

Tgt Ion: 92 Resp: 118909

Ion Ratio Lower Upper

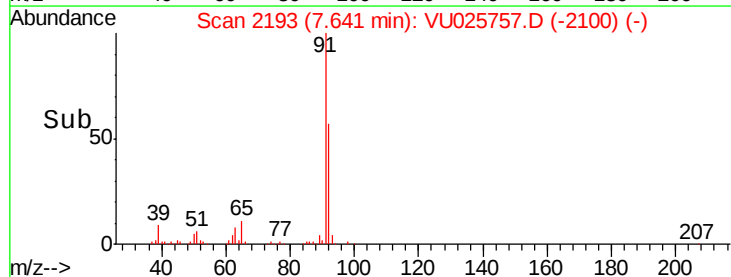
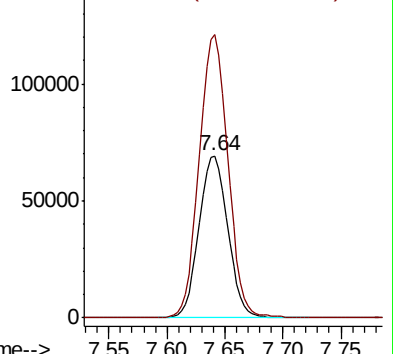
92 100

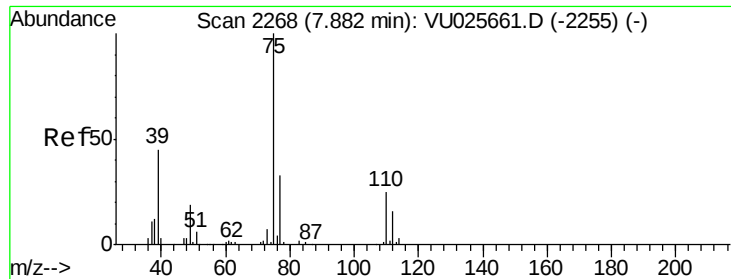
91 174.1 139.2 208.8



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: 20.070 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD01

Tot Ion: 75 Resp: 73544

Ion Ratio Lower Upper

75 100

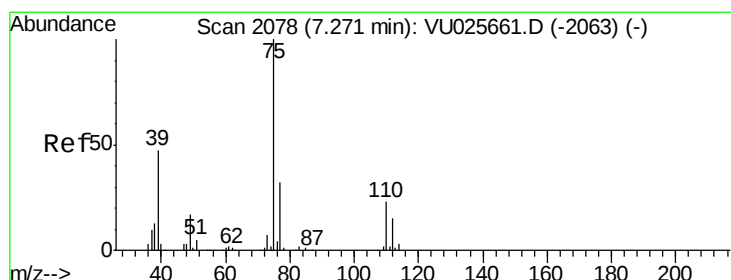
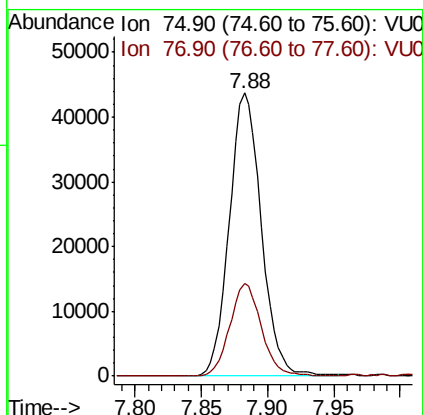
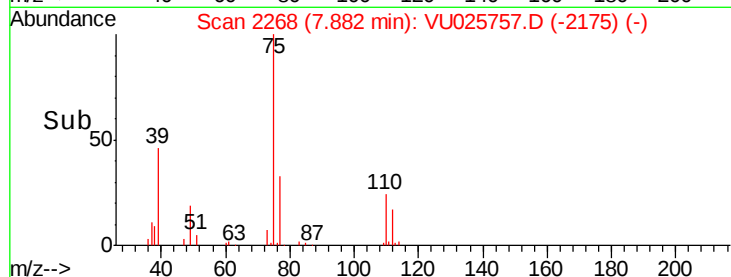
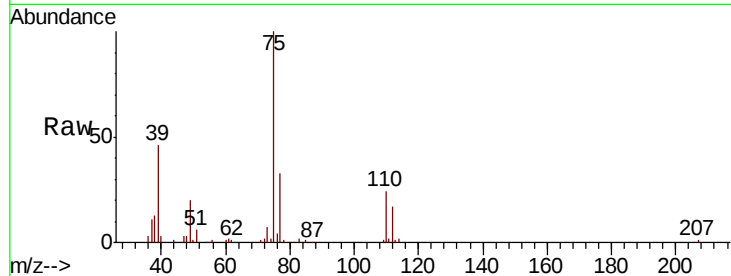
77 32.8 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.692 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

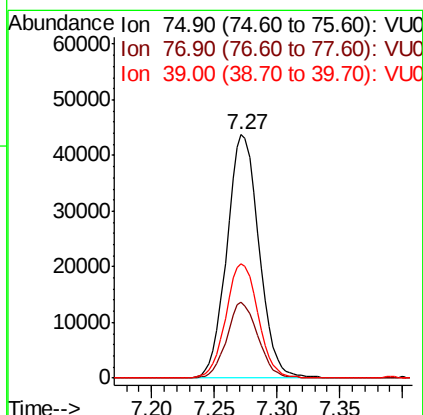
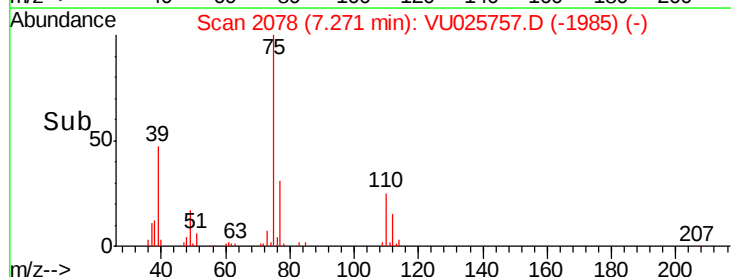
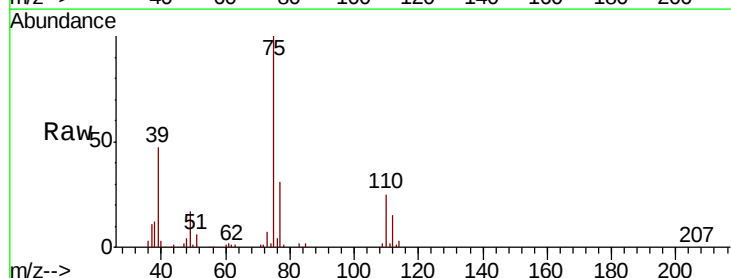
Tgt Ion: 75 Resp: 77887

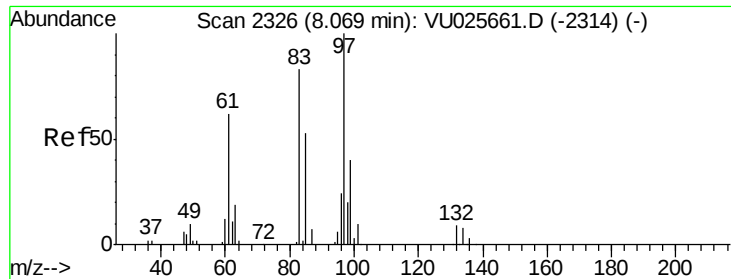
Ion Ratio Lower Upper

75 100

77 30.9 25.6 38.4

39 47.0 40.0 60.0





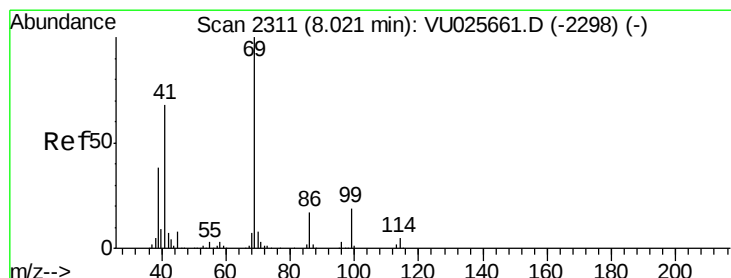
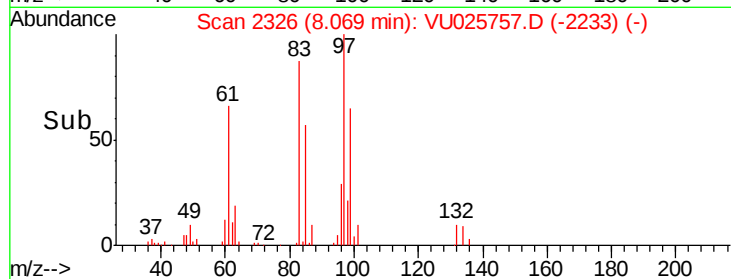
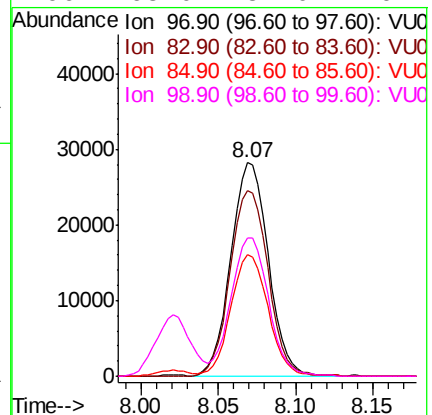
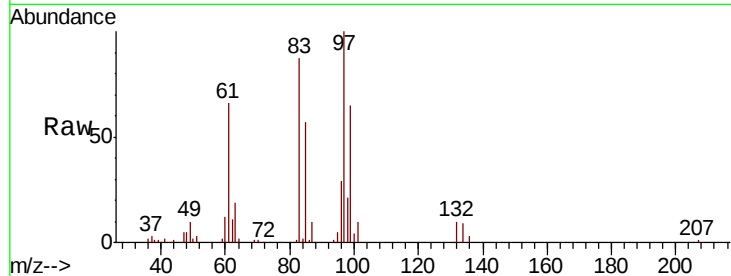
#55
 1,1,2-Trichloroethane
 Concen: 20.377 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025757.D
 Acq: 31 Jul 2018 22:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD01

Tot Ion:	97	Resp:	47629
Ion	Ratio	Lower	Upper
97	100		
83	87.1	68.9	103.3
85	56.7	44.4	66.6
99	65.0	51.0	76.4

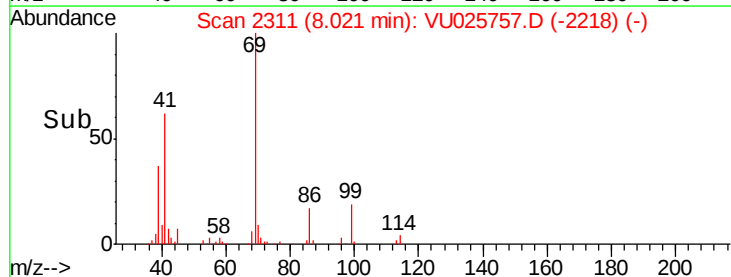
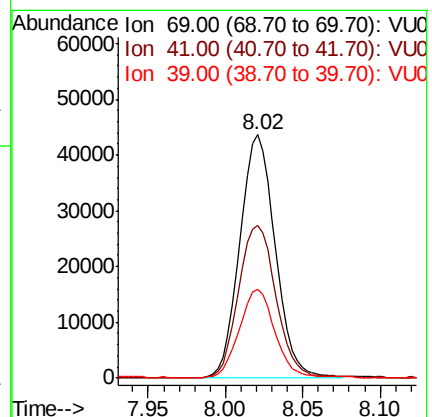
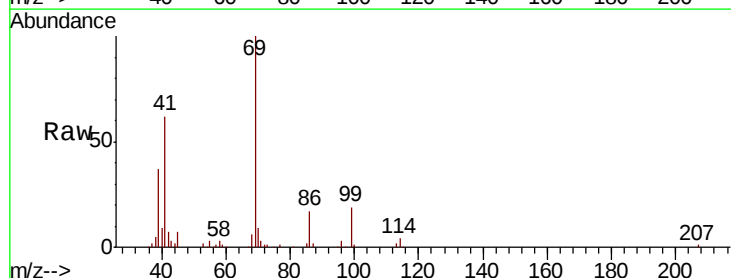
Manual Integrations
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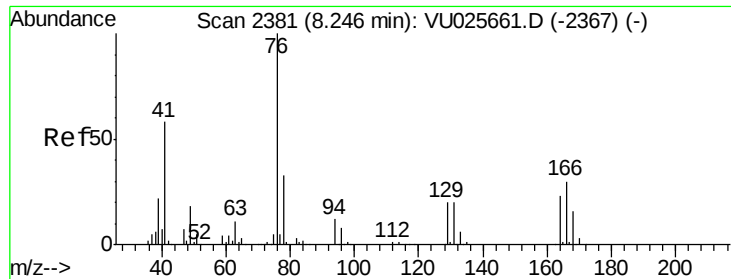
MMDadoda
 8/2/2018 9:41:07 AM



#56
 Ethyl methacrylate
 Concen: 20.839 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025757.D
 Acq: 31 Jul 2018 22:25

Tgt Ion:	69	Resp:	69595
Ion	Ratio	Lower	Upper
69	100		
41	66.9	54.8	82.2
39	37.3	31.1	46.7





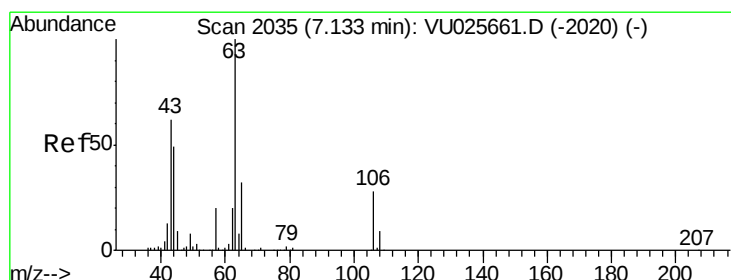
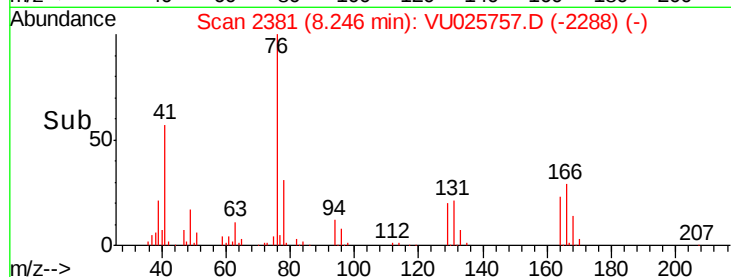
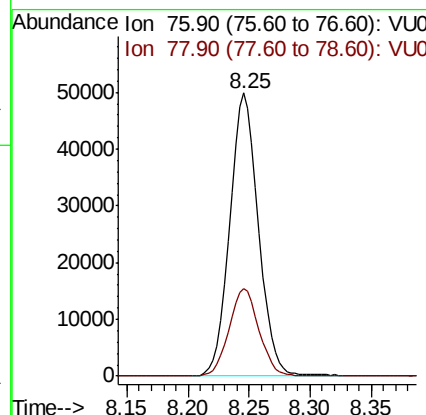
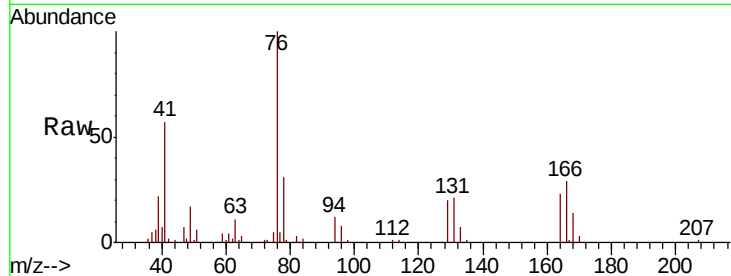
#57
 1,3-Dichloropropane
 Concen: 20.874 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025757.D
 Acq: 31 Jul 2018 22:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD01

Tot Ion: 76 Resp: 82053
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1

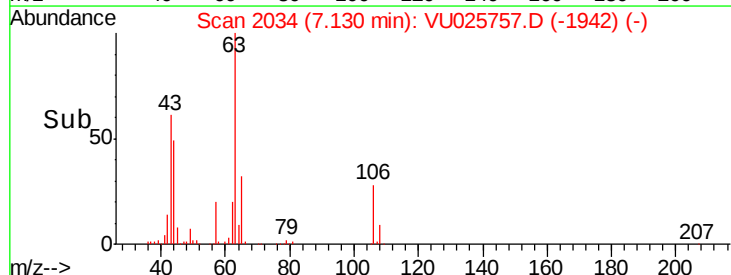
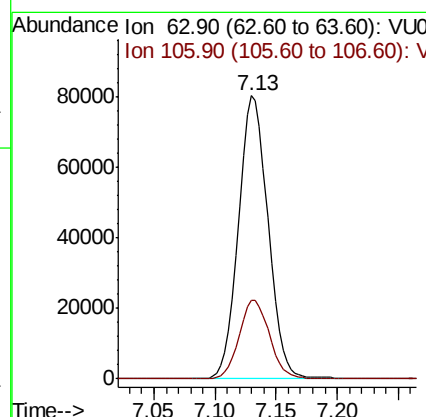
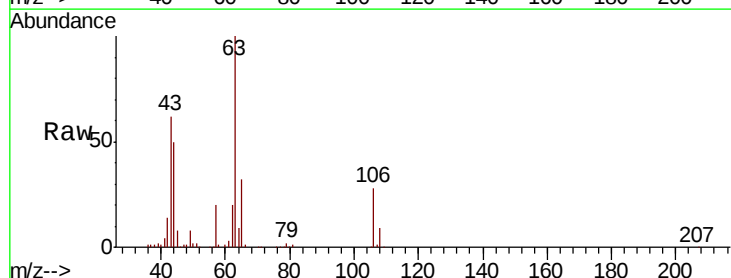
Manual Integrations
 APPROVED

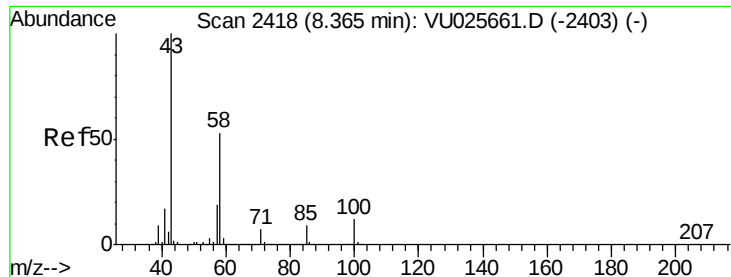
MMDadoda
 8/2/2018 9:41:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.044 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025757.D
 Acq: 31 Jul 2018 22:25

Tgt Ion: 63 Resp: 135357
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.3 33.5





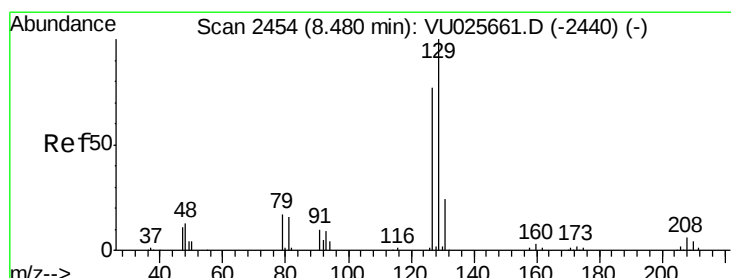
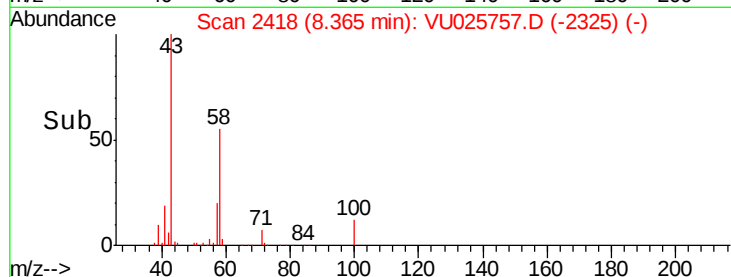
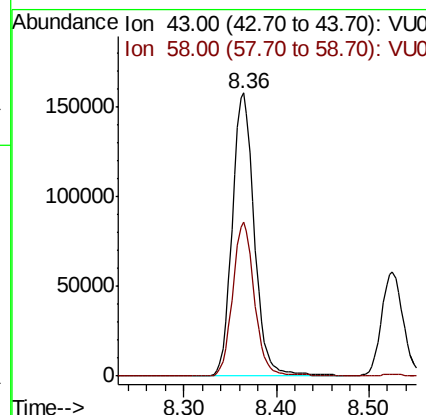
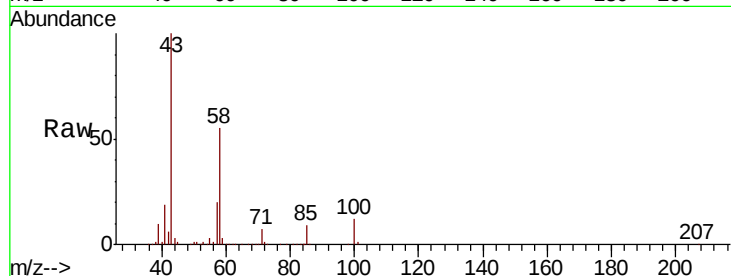
#59
2-Hexanone
Concen: 100.464 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion: 43 Resp: 261659
Ion Ratio Lower Upper
43 100
58 53.6 26.2 78.5

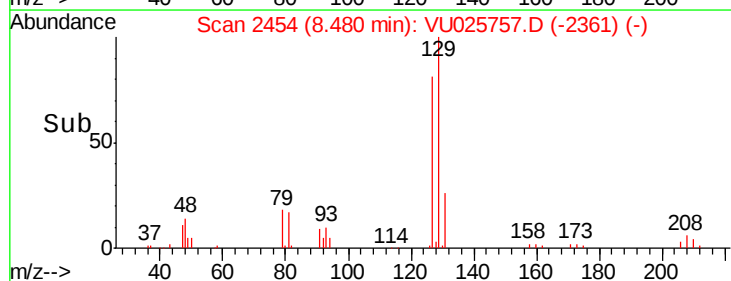
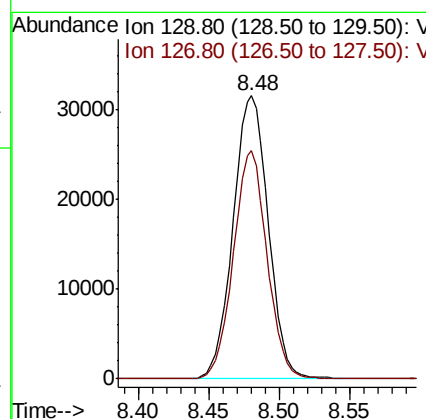
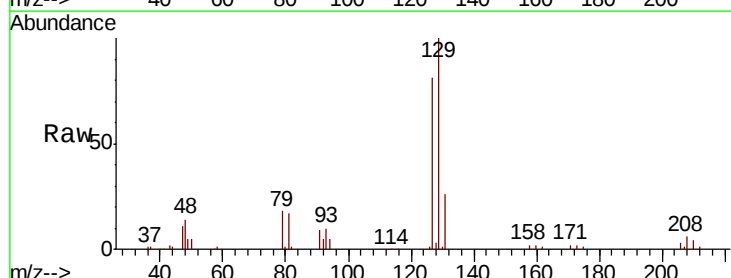
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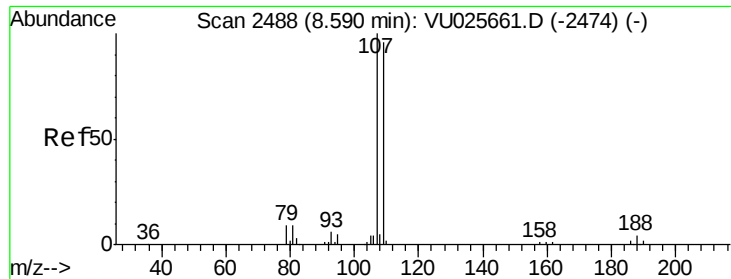
MMDadoda
8/2/2018 9:41:07 AM



#60
Dibromochloromethane
Concen: 19.937 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion: 129 Resp: 54955
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





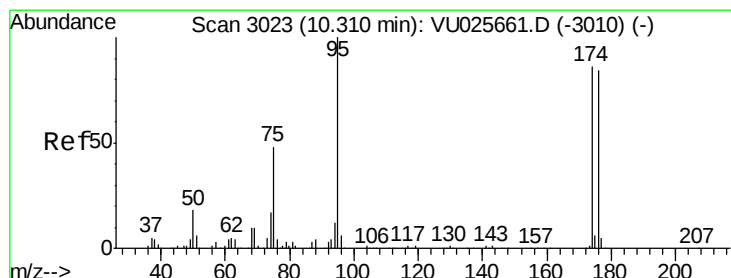
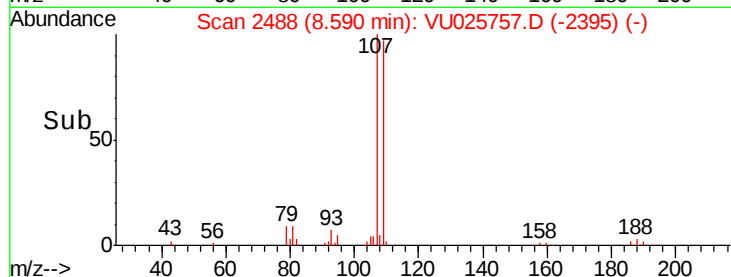
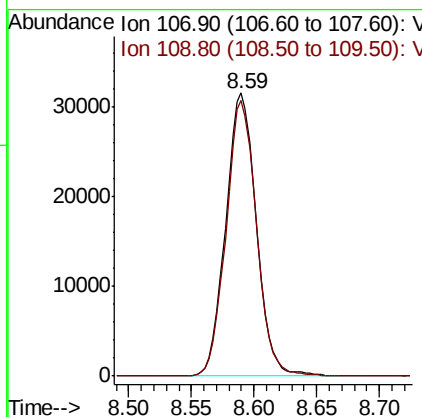
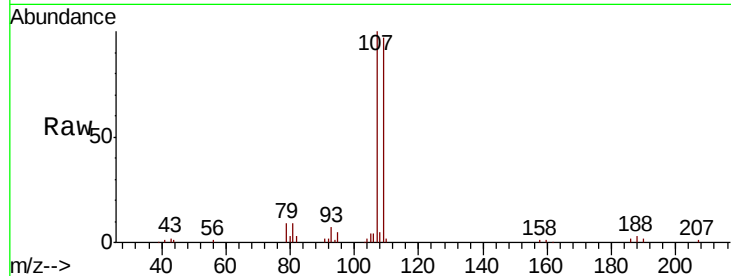
#61
 1,2-Dibromoethane
 Concen: 20.526 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025757.D
 Acq: 31 Jul 2018 22:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.8	75.8	113.8

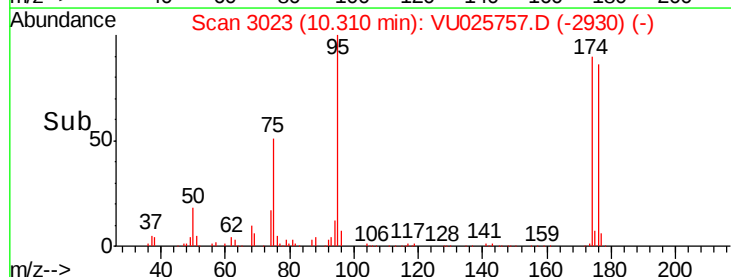
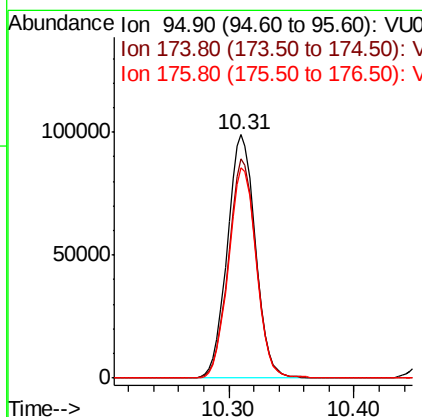
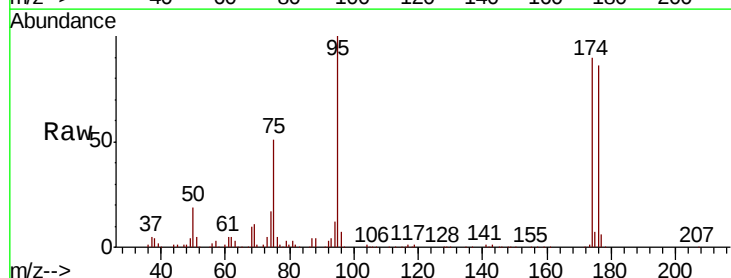
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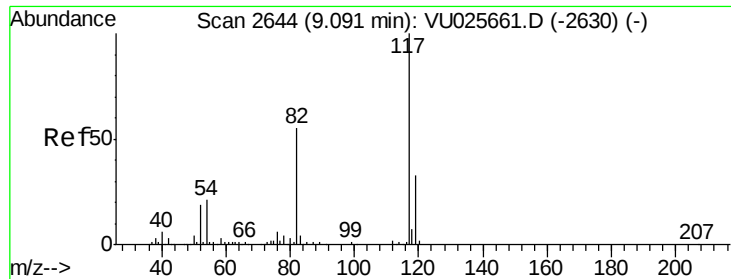
MMDadoda
 8/2/2018 9:41:07 AM



#62
 4-Bromofluorobenzene
 Concen: 48.973 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025757.D
 Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	172.2
176	86.1	0.0	162.6





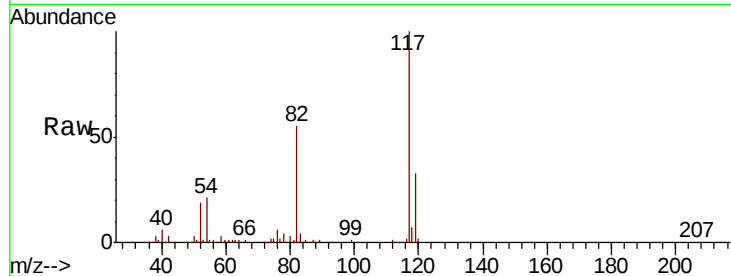
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	254157		
82	54.9	46.0	69.0	
119	33.2	26.0	39.0	

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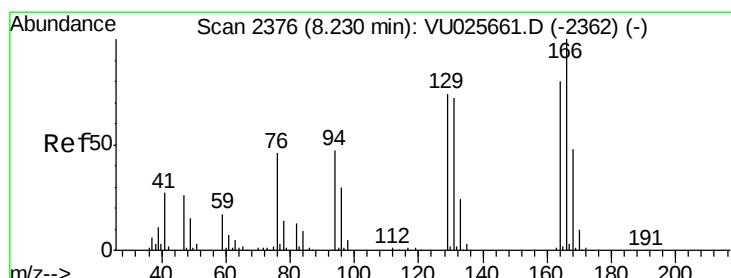
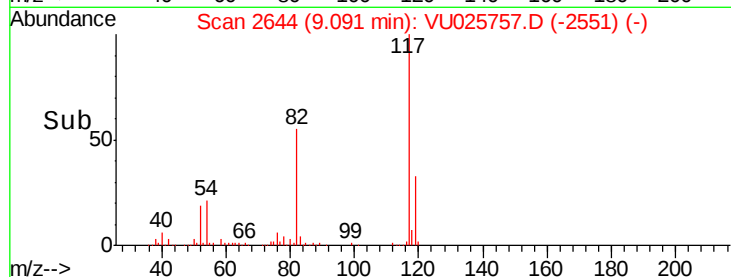
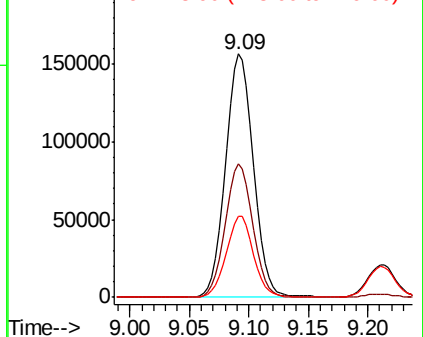


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.785 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48736		
166	123.3	101.1	151.7	
129	93.1	73.0	109.6	
131	89.7	72.1	108.1	

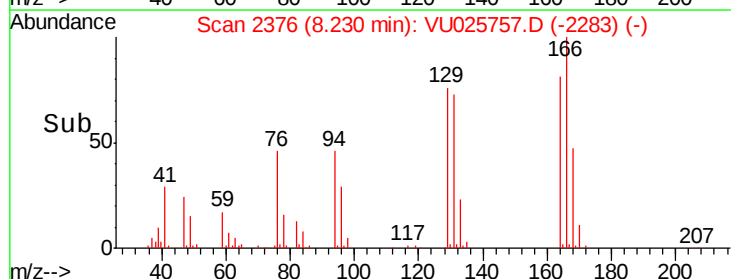
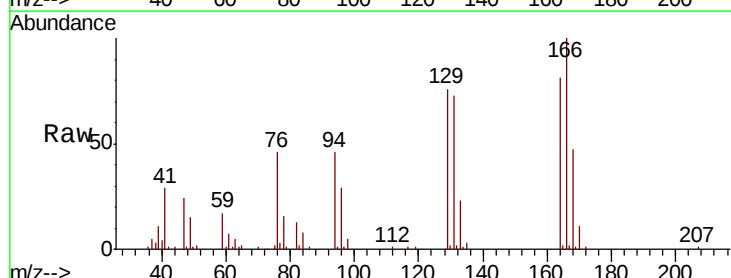
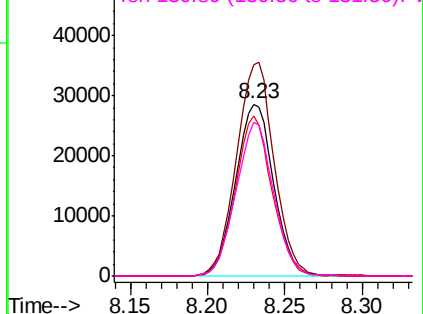
Abundance

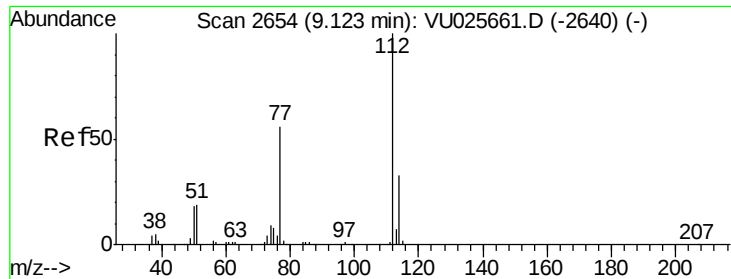
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





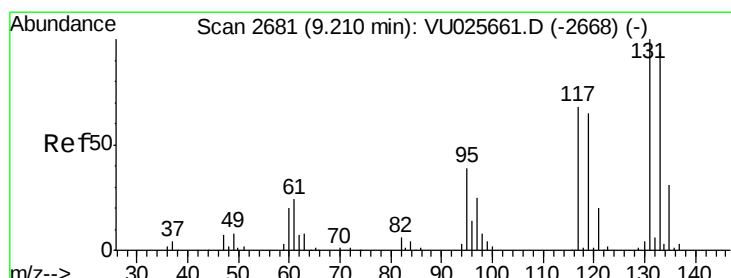
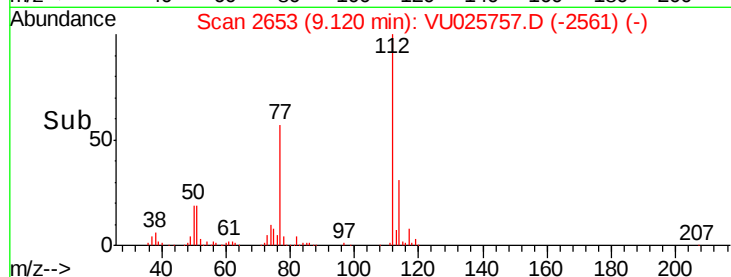
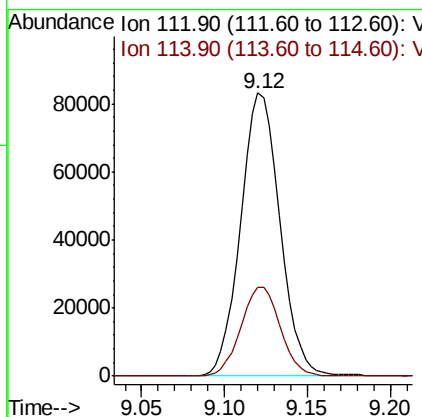
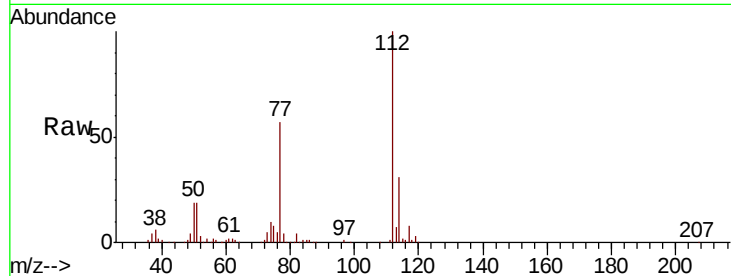
#65
Chlorobenzene
Concen: 20.985 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.8	38.8

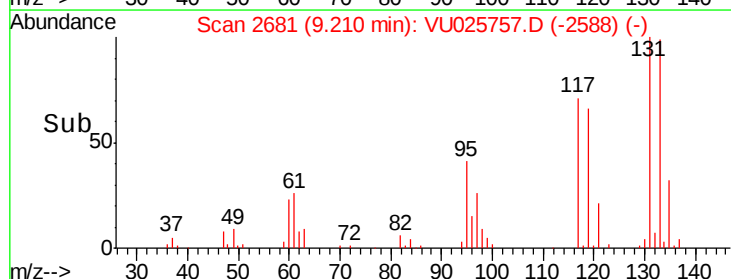
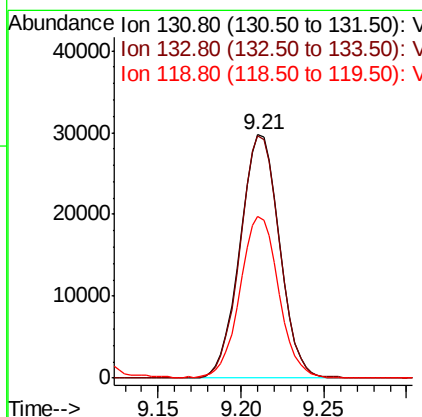
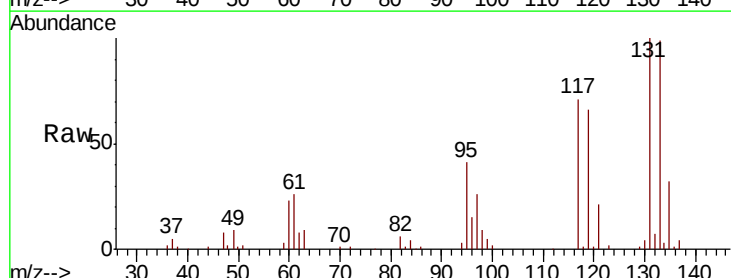
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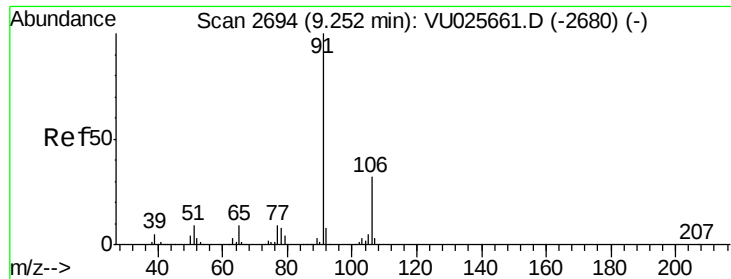
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.816 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.2	47.8	143.3
119	65.2	31.6	95.0





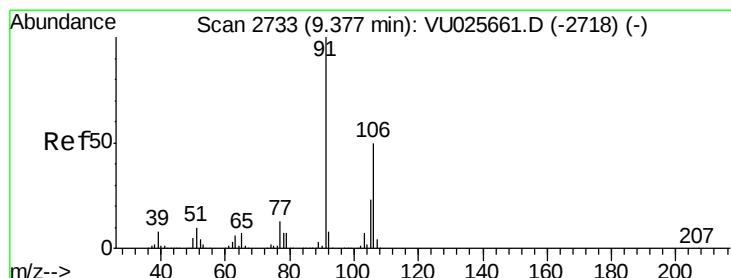
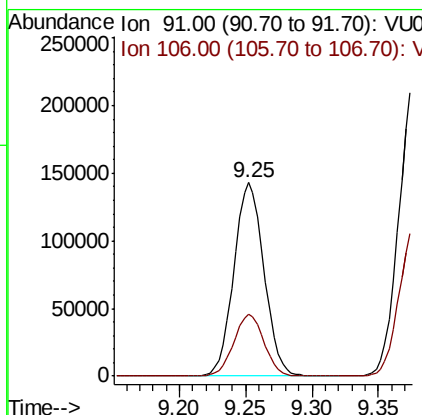
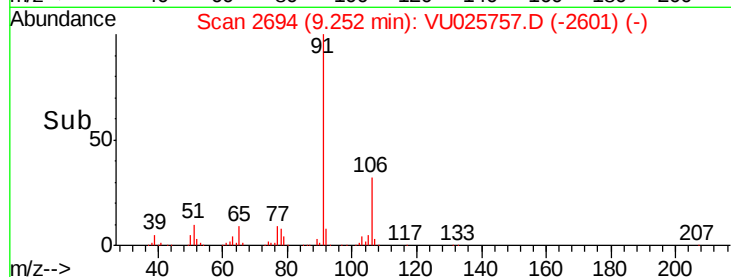
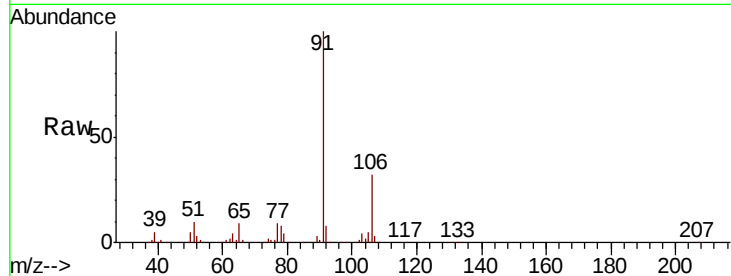
#67
Ethyl Benzene
Concen: 20.806 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion: 91 Resp: 225830
Ion Ratio Lower Upper
91 100
106 32.3 25.3 37.9

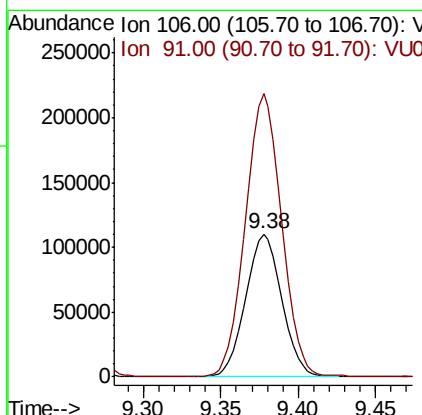
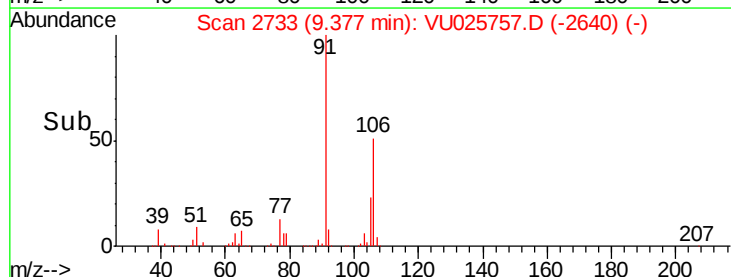
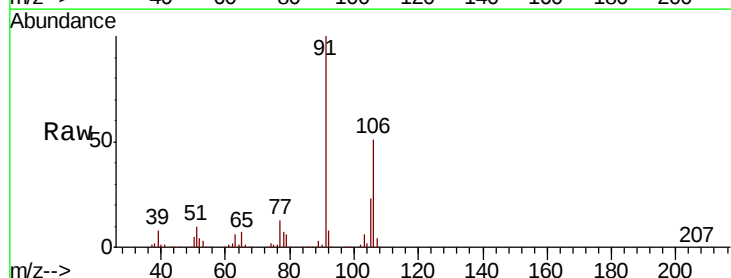
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#68
m/p-Xylenes
Concen: 43.060 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion: 106 Resp: 179437
Ion Ratio Lower Upper
106 100
91 199.6 162.3 243.5





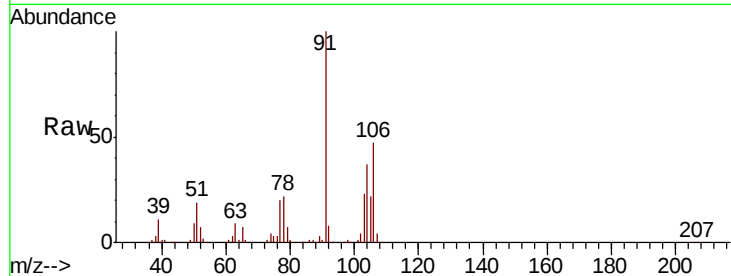
#69
o-Xylene
Concen: 21.068 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

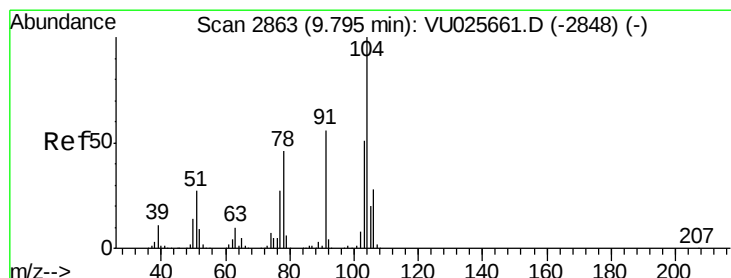
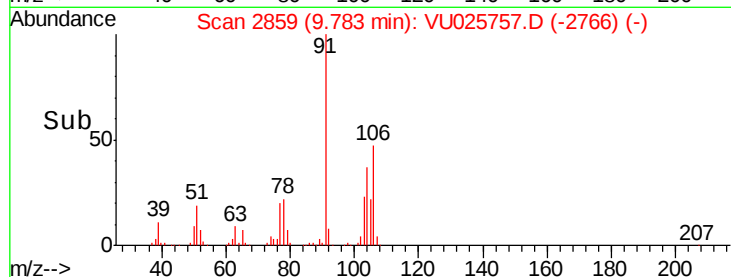
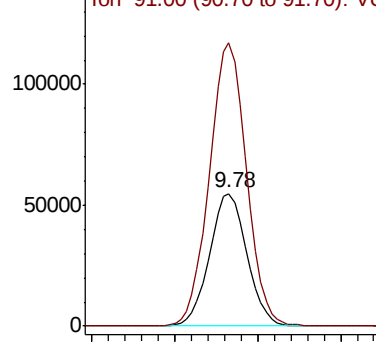
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		85803		
91	212.7	105.3	315.8		

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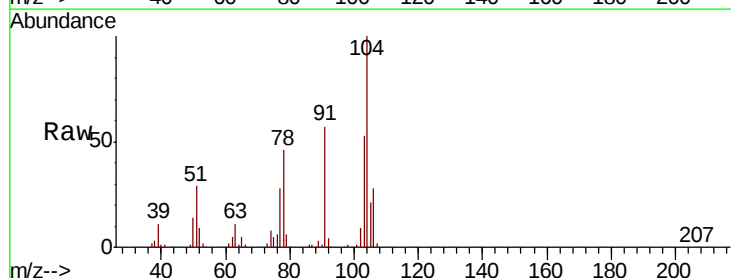


Abundance Ion 106.00 (105.70 to 106.70): V

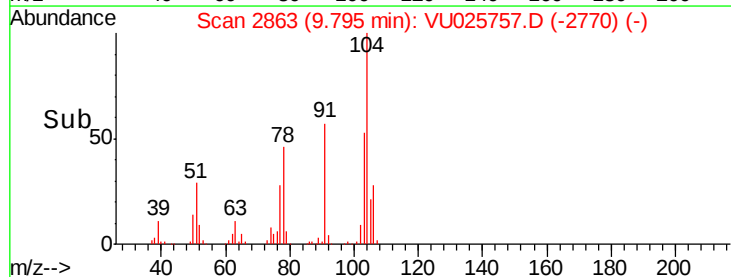
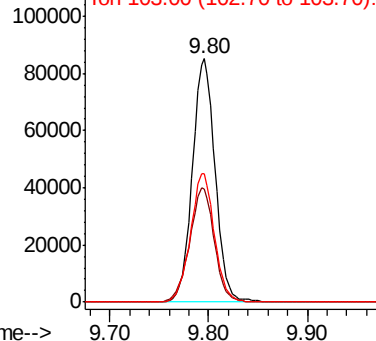


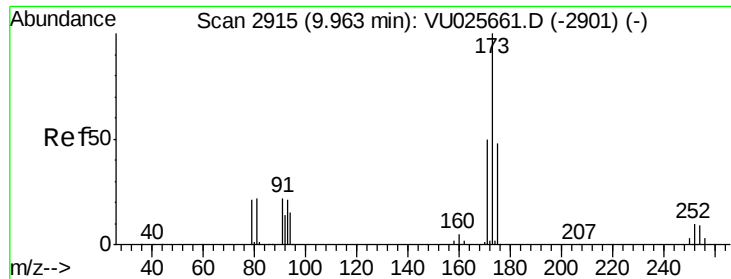
#70
Styrene
Concen: 21.049 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		138471		
78	50.6	41.6	62.4		
103	55.6	44.6	66.8		



Abundance Ion 104.00 (103.70 to 104.70): V





#71

Bromoform

Concen: 20.766 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD01

Tot Ion:173 Resp: 42684

Ion Ratio Lower Upper

173 100

175 48.5 24.0 72.0

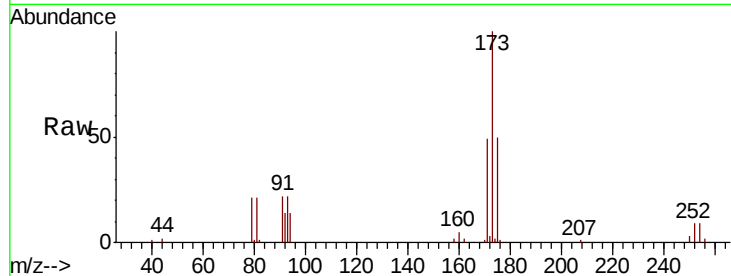
254 0.0 0.0 0.0

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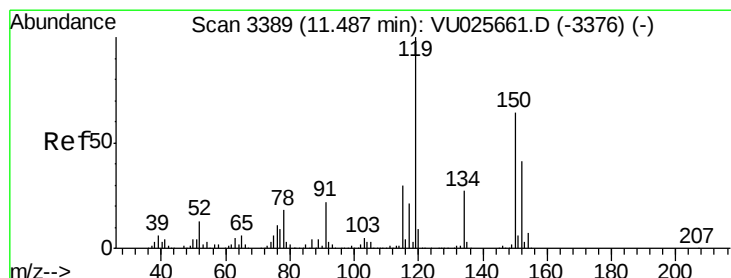
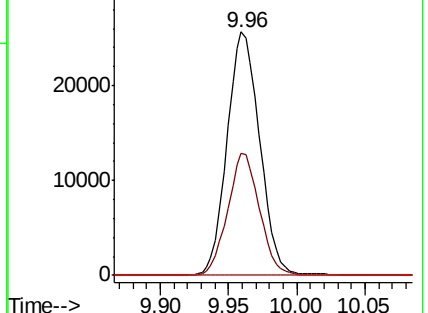
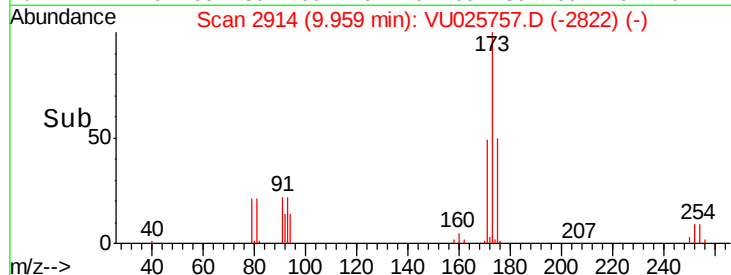
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

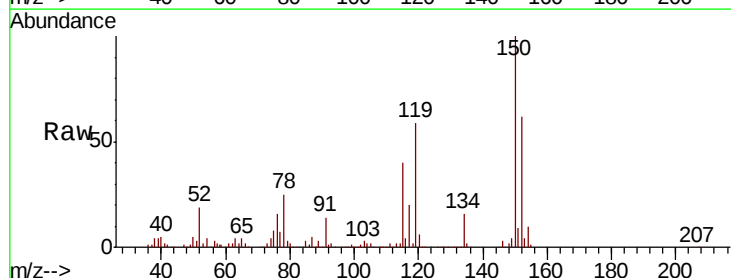
Tgt Ion:152 Resp: 157628

Ion Ratio Lower Upper

152 100

115 67.3 40.1 120.3

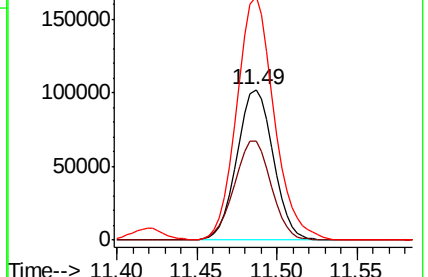
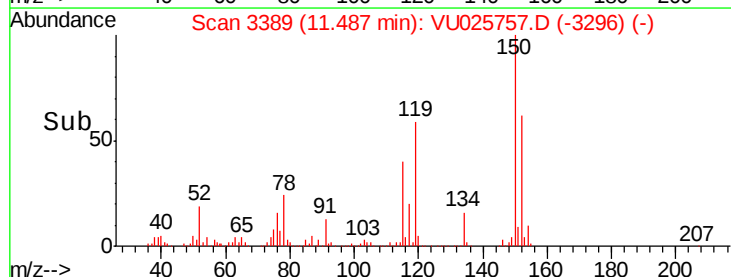
150 166.5 0.0 351.4

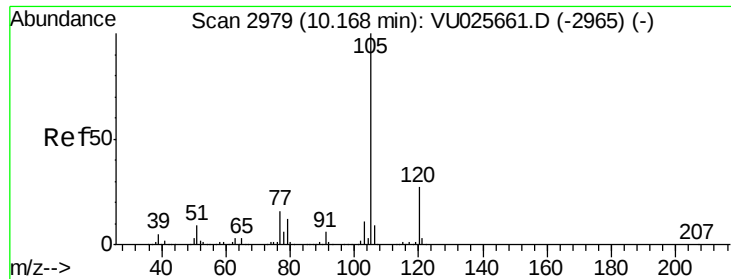


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.516 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD01

Tot Ion: 105 Resp: 231474

Ion Ratio Lower Upper

105 100

120 27.1

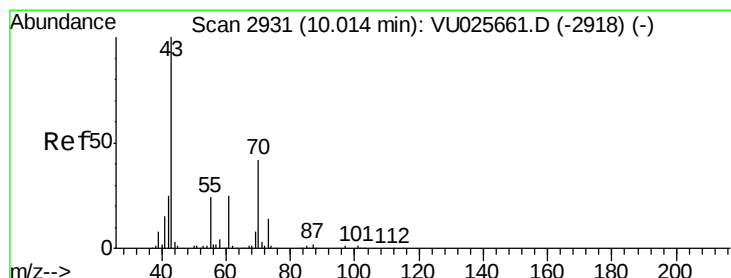
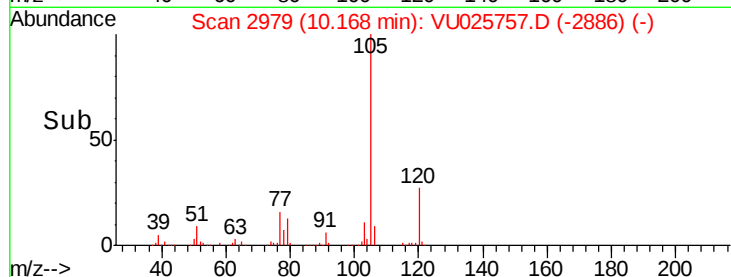
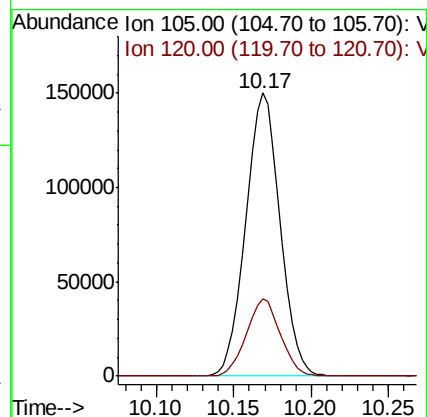
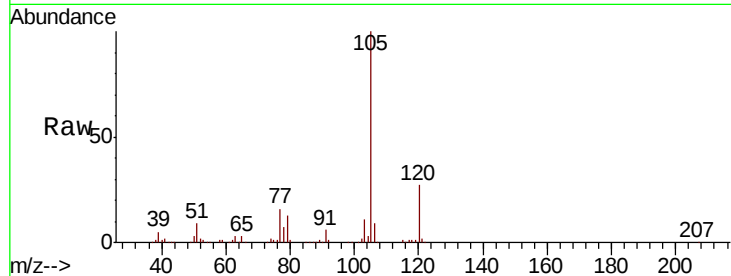
13.5 40.5

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#74

N-ethyl acetate

Concen: 21.548 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Tgt Ion: 43 Resp: 94640

Ion Ratio Lower Upper

43 100

70 41.6

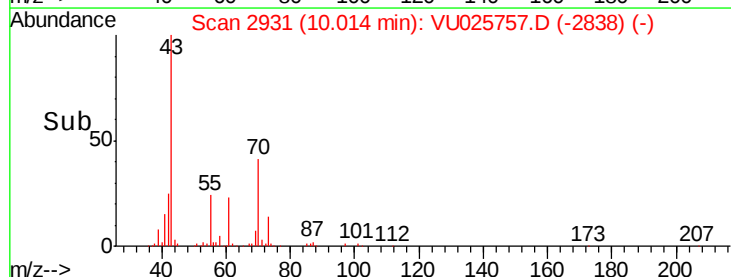
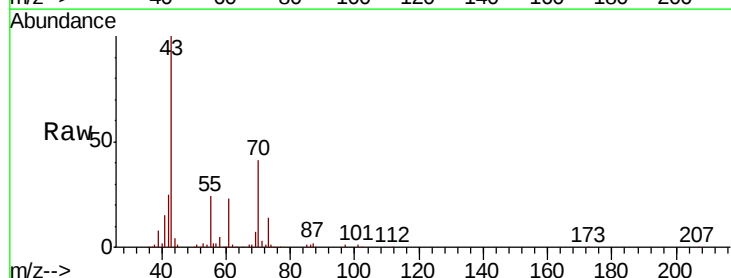
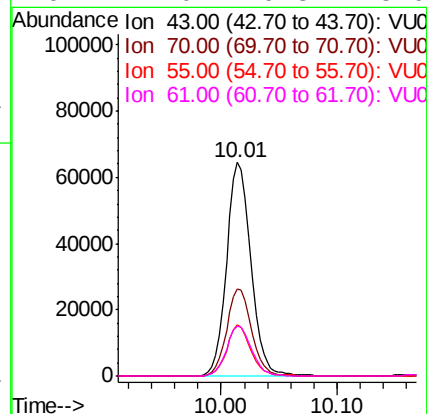
33.4 50.2

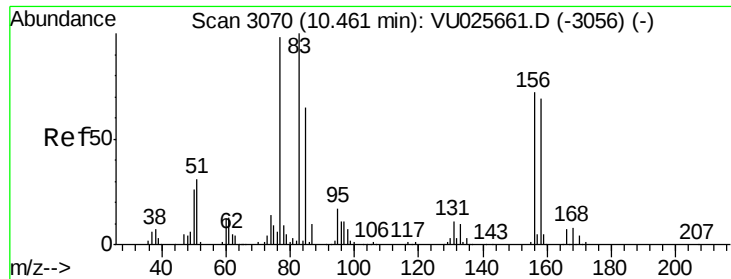
55 23.5

19.0 28.6

61 24.0

19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.041 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD01

Tot Ion: 83 Resp: 78282

Ion Ratio Lower Upper

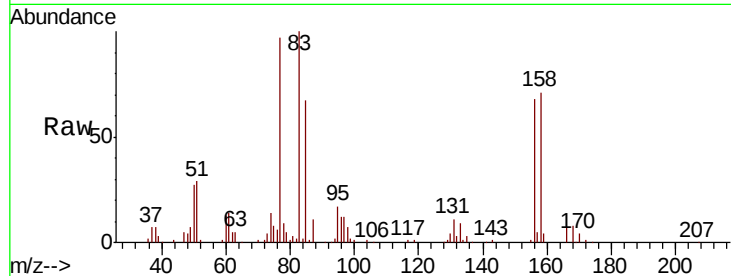
83 100

131 10.8 5.5 16.4

85 65.2 31.6 94.8

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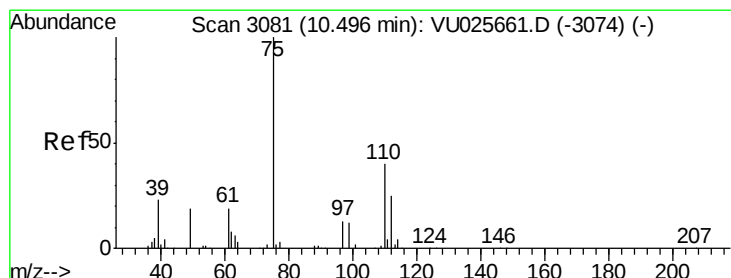
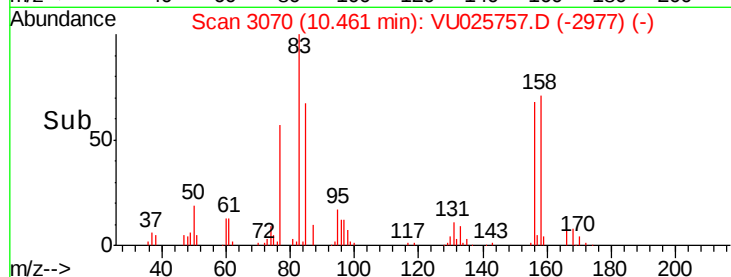
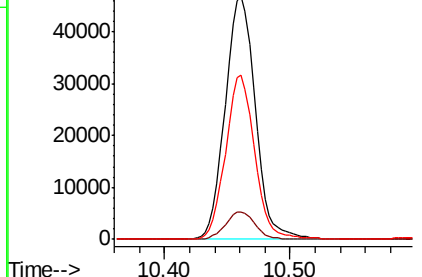
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VU025661.D (-3056) (-)

Ion 130.80 (130.50 to 131.50): VU025661.D (-3056) (-)

Ion 84.90 (84.60 to 85.60): VU025661.D (-3056) (-)



#76

1,2,3-Trichloropropane

Concen: 19.720 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025757.D

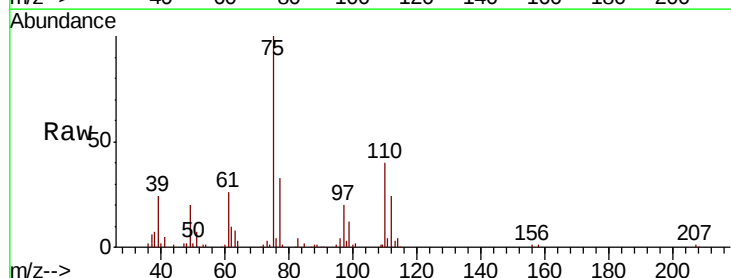
Acq: 31 Jul 2018 22:25

Tgt Ion: 75 Resp: 68488

Ion Ratio Lower Upper

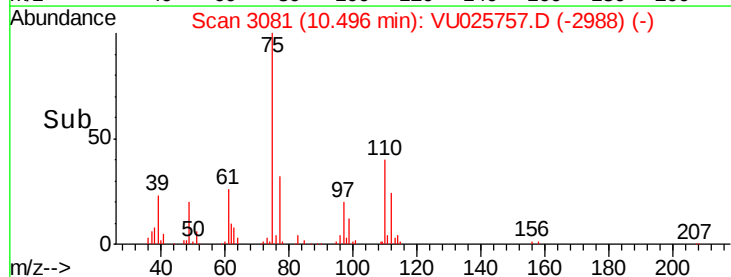
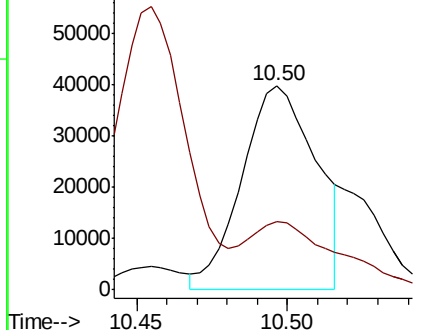
75 100

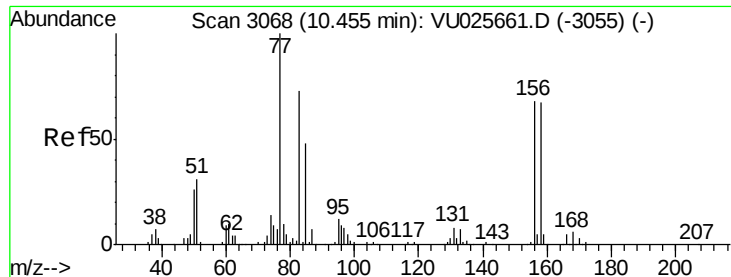
77 39.8 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025661.D (-3074) (-)

Ion 77.00 (76.70 to 77.70): VU025661.D (-3074) (-)





#77

Bromobenzene

Concen: 21.104 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD01

Tot Ion:156 Resp: 62625

Ion Ratio Lower Upper

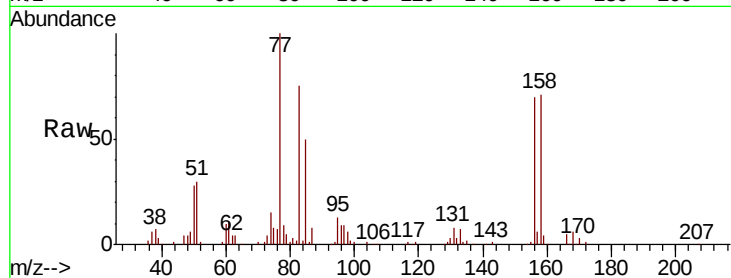
156 100

77 146.2 73.8 221.4

158 99.4 48.0 144.0

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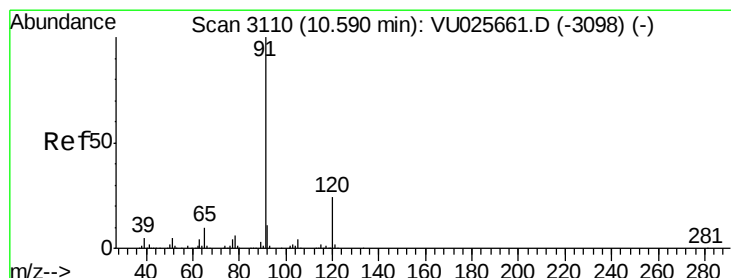
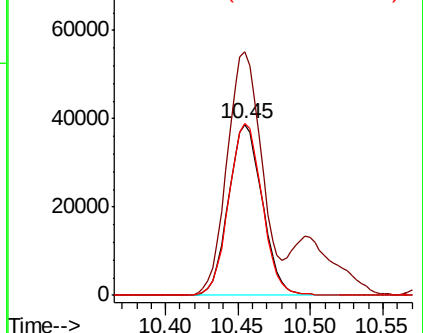
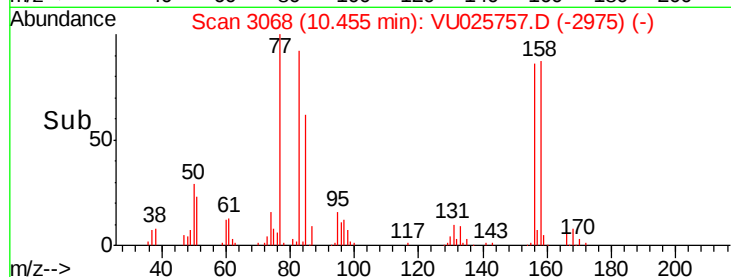
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.481 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025757.D

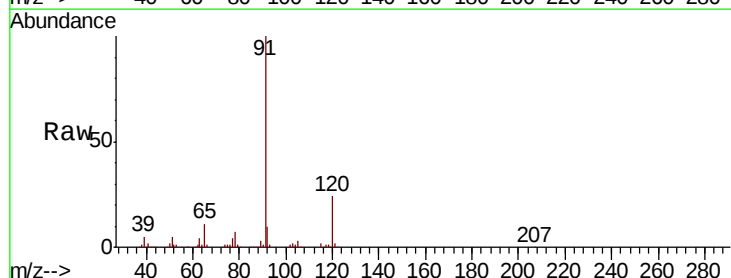
Acq: 31 Jul 2018 22:25

Tgt Ion: 91 Resp: 269731

Ion Ratio Lower Upper

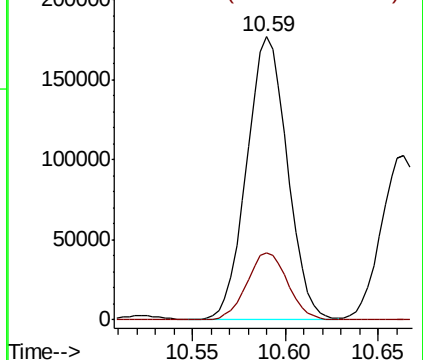
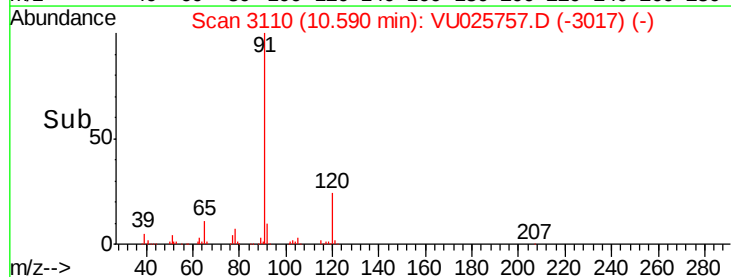
91 100

120 24.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.712 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD01

Tot Ion: 91 Resp: 159686

Ion Ratio Lower Upper

91 100

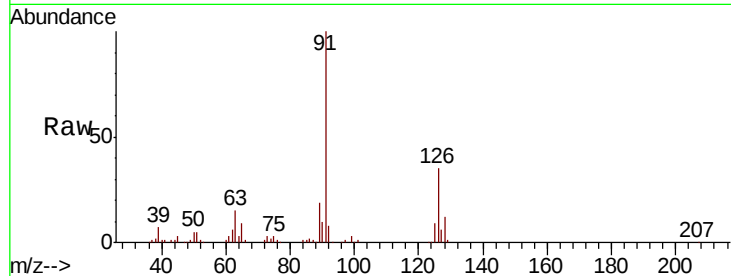
126 35.3 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025661.D (-3122) (-)

200000

150000

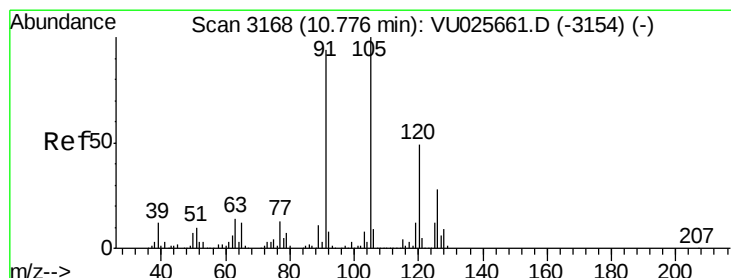
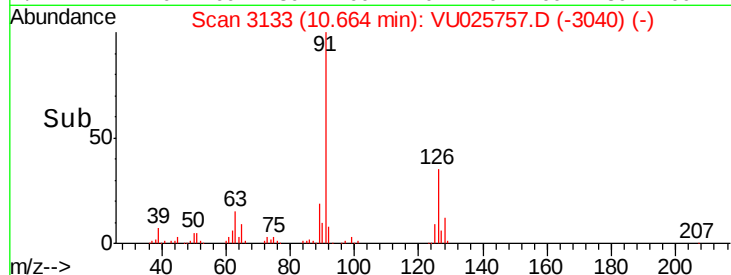
100000

50000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.666 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025757.D

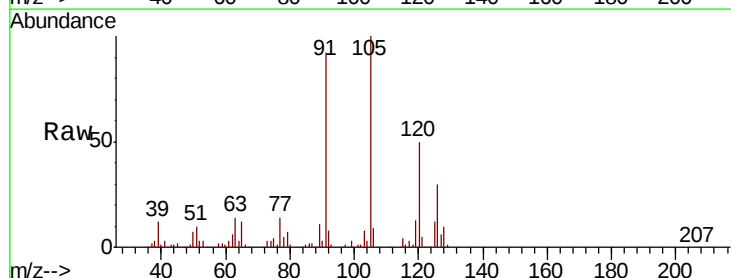
Acq: 31 Jul 2018 22:25

Tgt Ion: 105 Resp: 197956

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025661.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025661.D (-3154) (-)

150000

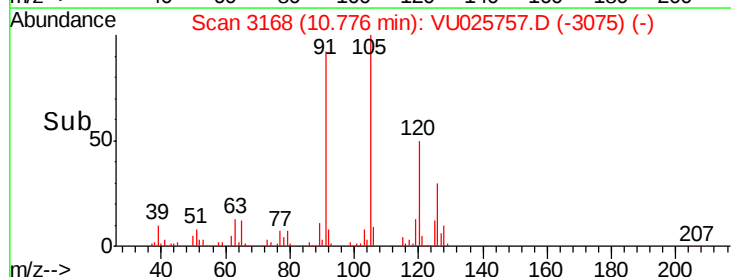
100000

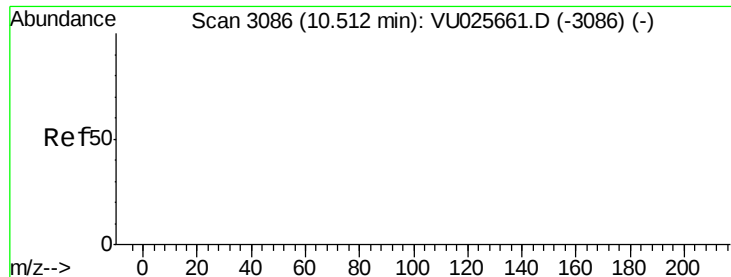
50000

0

10.70 10.80

Time-->





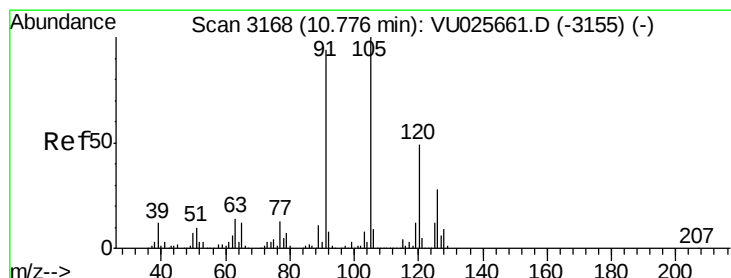
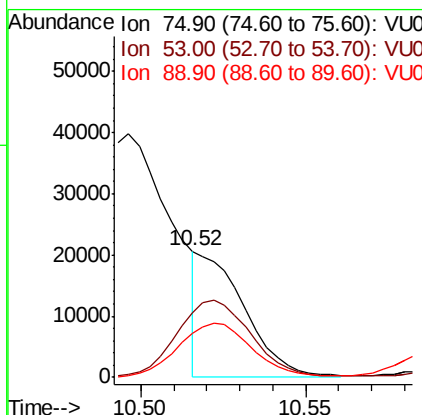
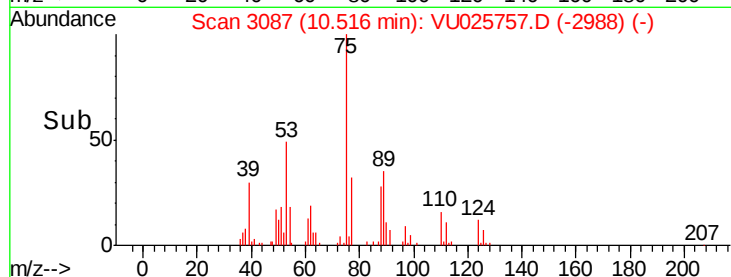
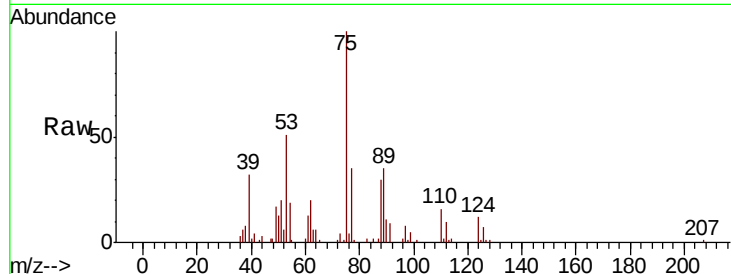
#81
trans-1,4-Dichloro-2-butene
Concen: 14.271 ug/l m
RT: 10.52 min Scan# 3087
Delta R.T. 0.02 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

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

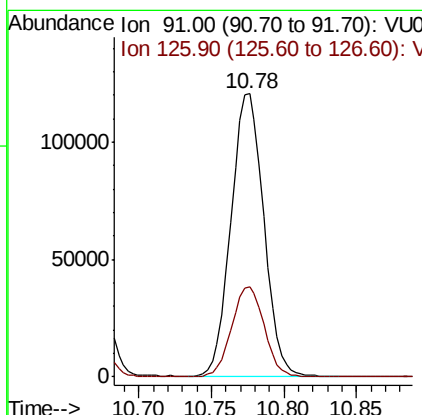
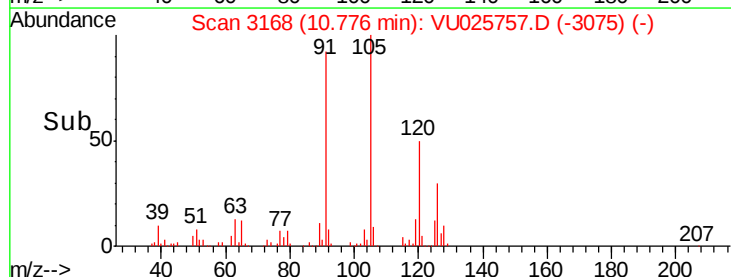
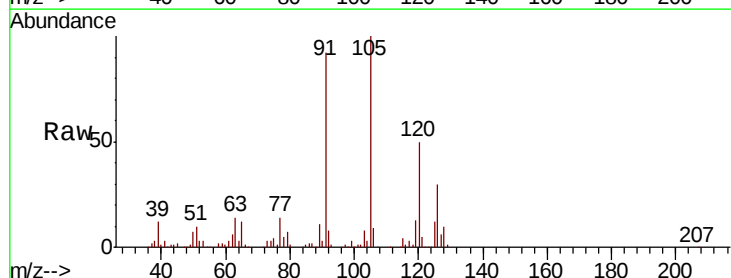
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#82
4-Chlorotoluene
Concen: 21.791 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.3	45.9





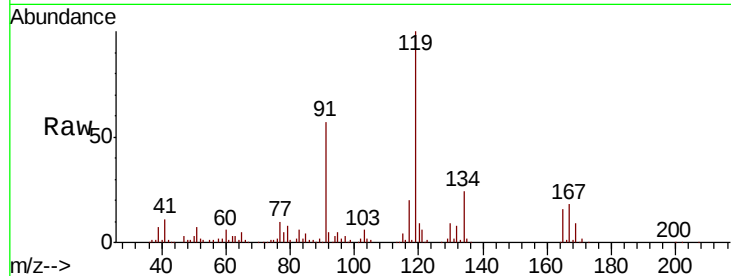
#83
 tert-Butylbenzene
 Concen: 21.434 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025757.D
 Acq: 31 Jul 2018 22:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD01

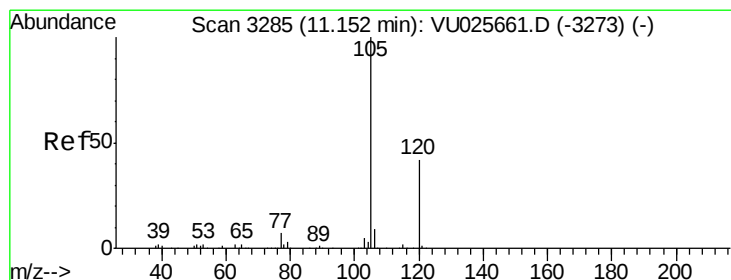
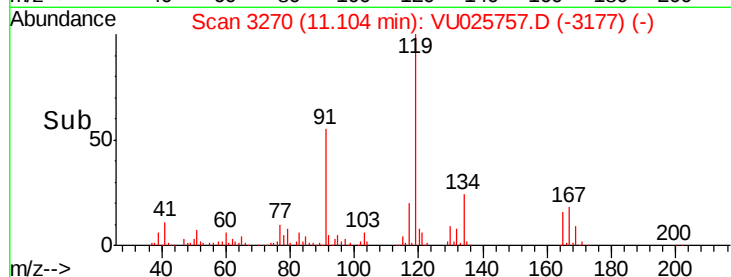
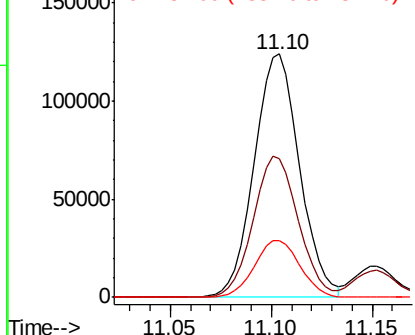
Tot Ion	Ratio	Resp	Lower	Upper
119	100	194578		
91	57.5	29.7	89.1	
134	23.5	11.5	34.5	

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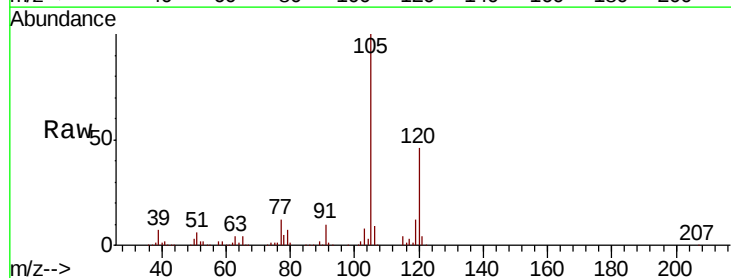


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

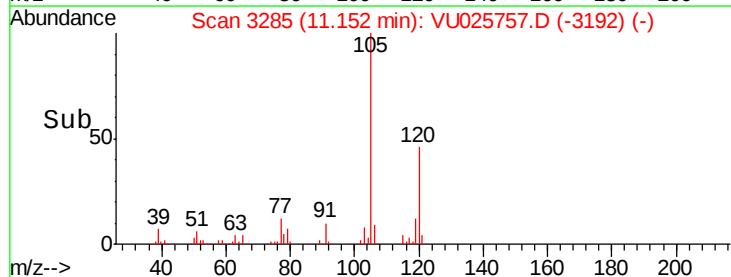
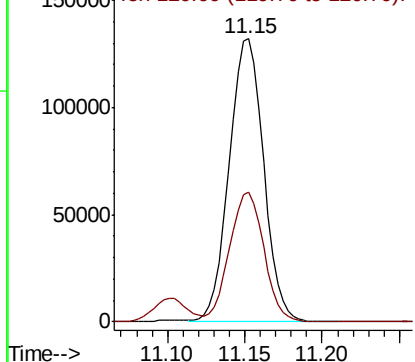


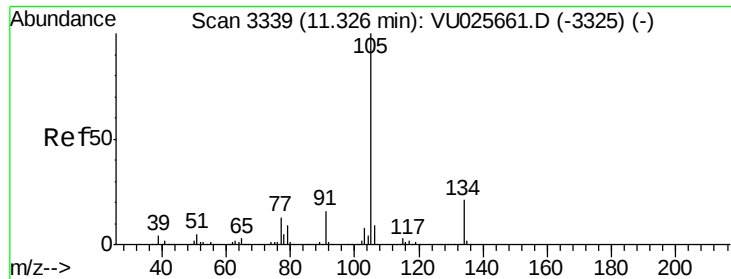
#84
 1,2,4-Trimethylbenzene
 Concen: 22.016 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025757.D
 Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	203848		
120	45.6	22.3	66.8	



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.192 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

ClientSampled :

VU0801WBSD01

Tot Ion:105 Resp: 234880

Ion Ratio Lower Upper

105 100

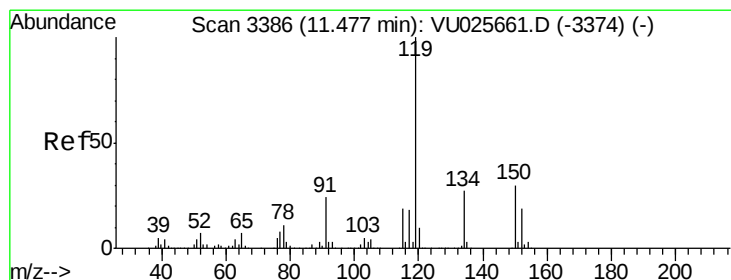
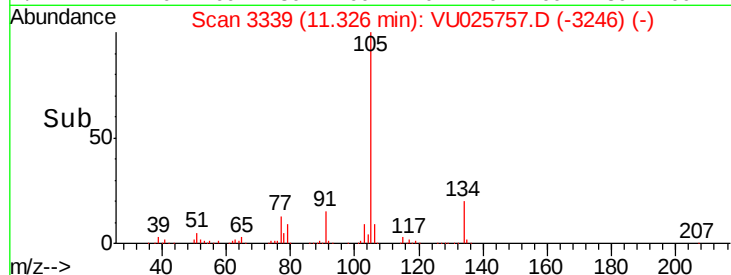
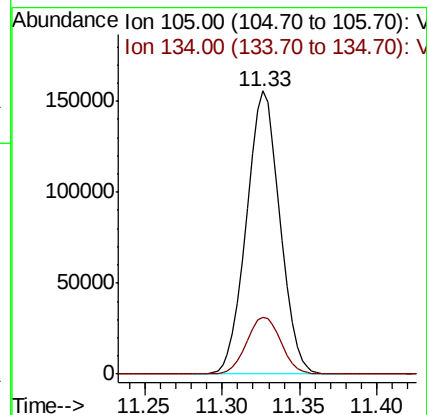
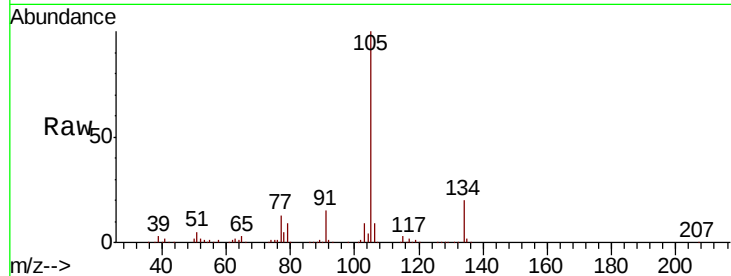
134 20.6 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 21.167 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

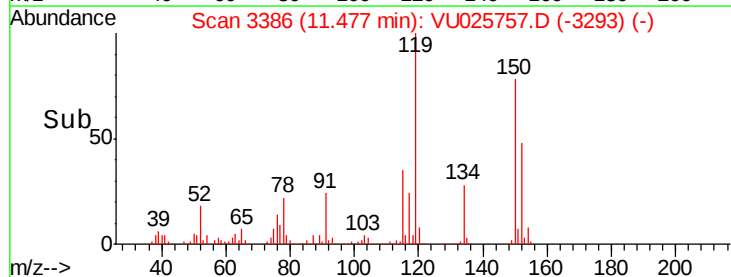
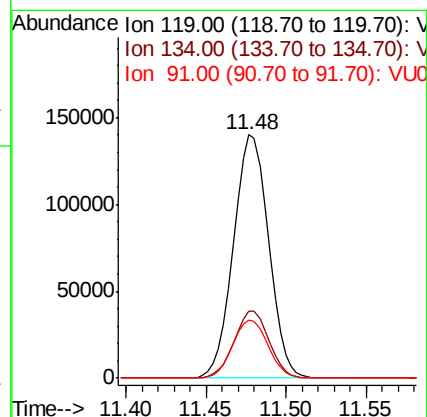
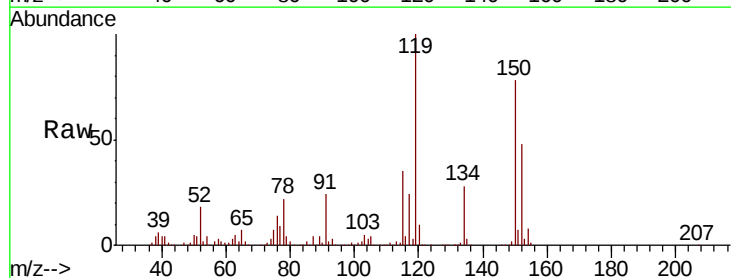
Tgt Ion:119 Resp: 210069

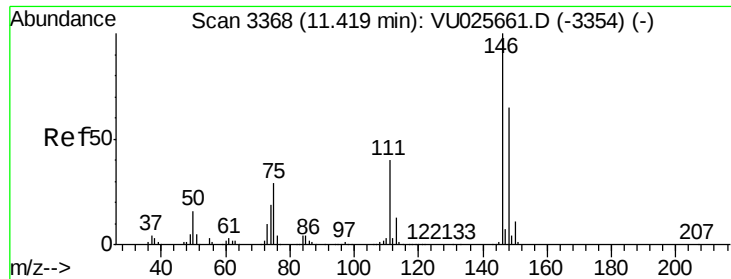
Ion Ratio Lower Upper

119 100

134 27.1 13.2 39.5

91 24.1 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 21.170 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

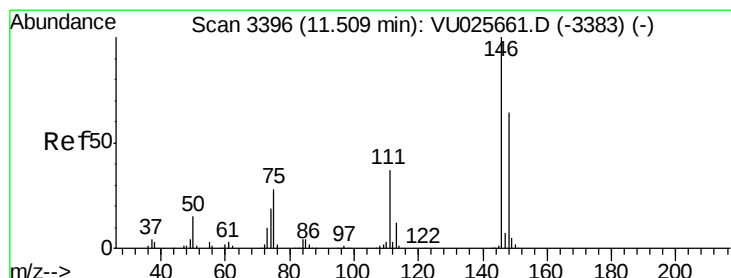
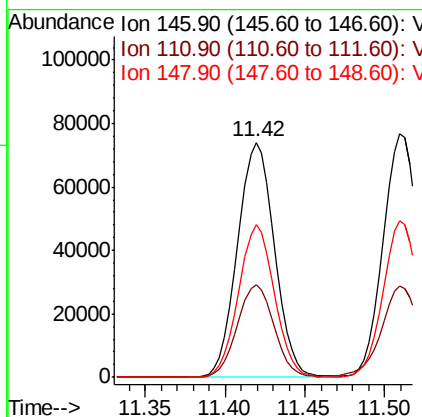
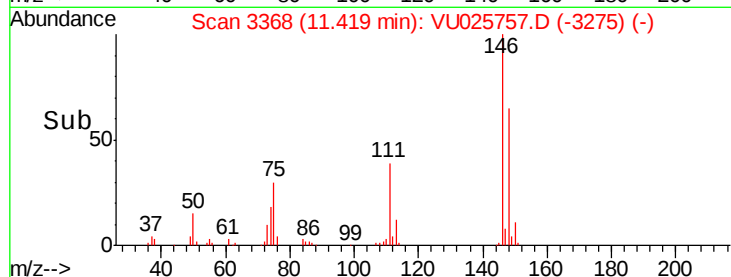
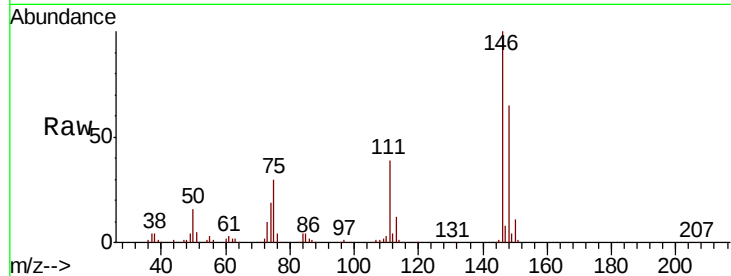
ClientSampleId :

VU0801WBSD01

Tot Ion:	146	Resp:	116605
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.7	59.1
148	63.1	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 21.087 ug/l

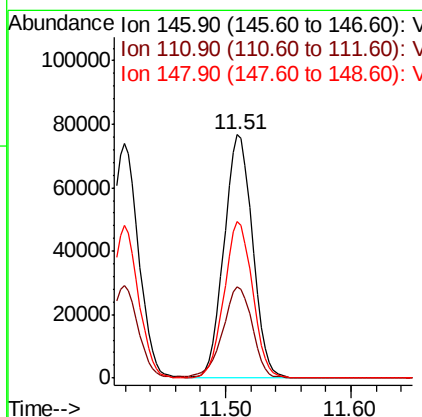
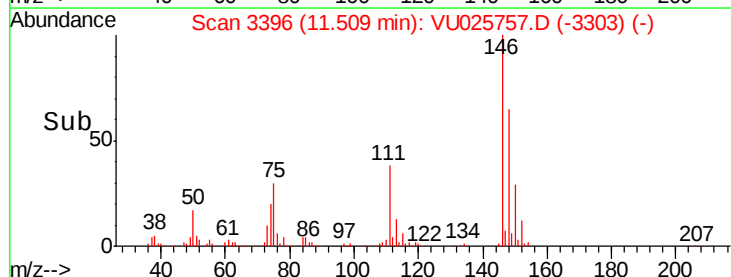
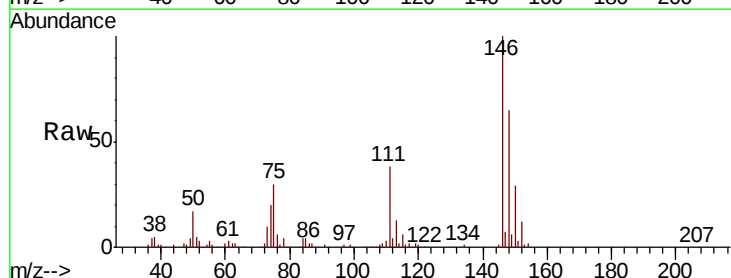
RT: 11.51 min Scan# 3396

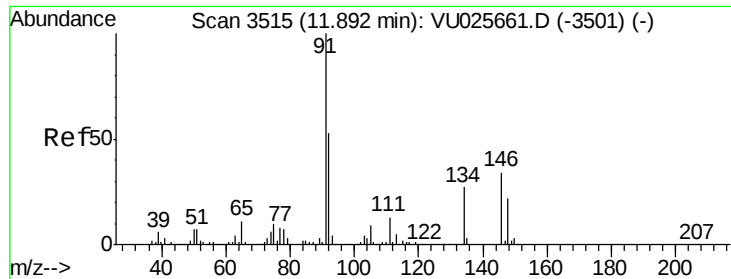
Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Tgt Ion:	146	Resp:	121074
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.4	58.1
148	64.2	31.7	95.1





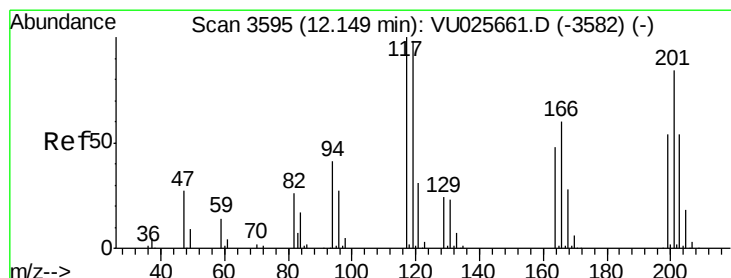
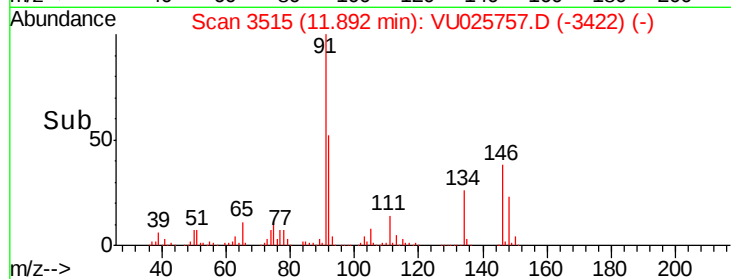
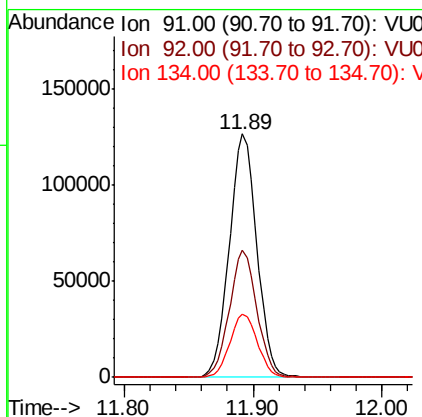
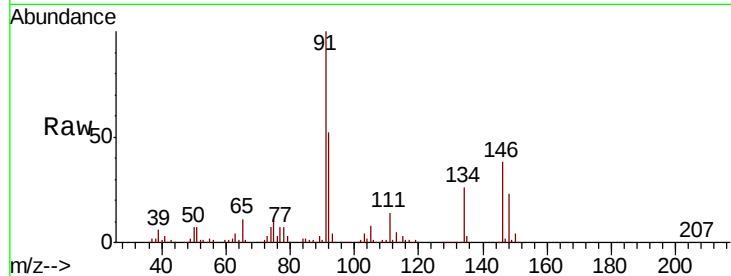
#89
n-Butylbenzene
Concen: 20.450 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.5	79.5
134	26.2	13.6	40.7

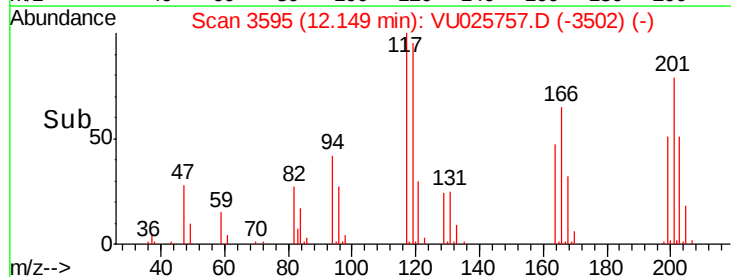
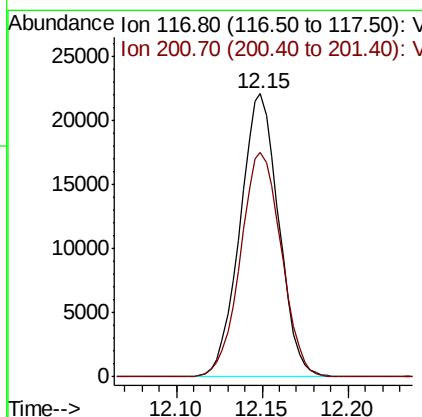
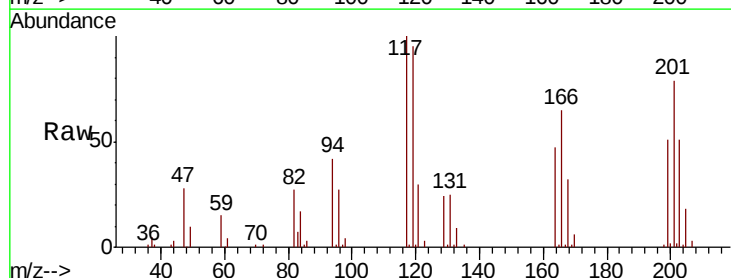
Manual Integrations
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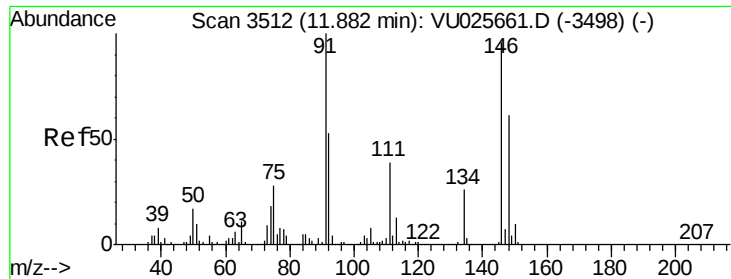
MMDadoda
8/2/2018 9:41:07 AM



#90
Hexachloroethane
Concen: 19.538 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025757.D
Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.9	42.5	127.6





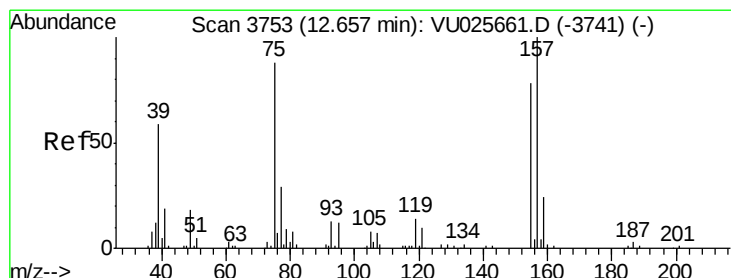
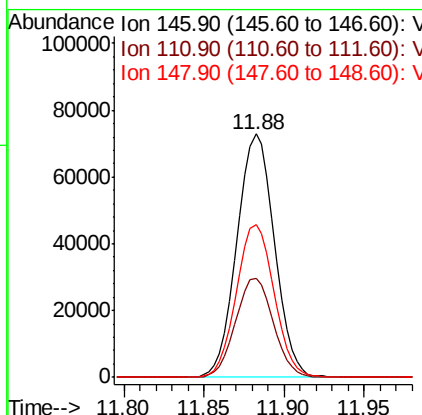
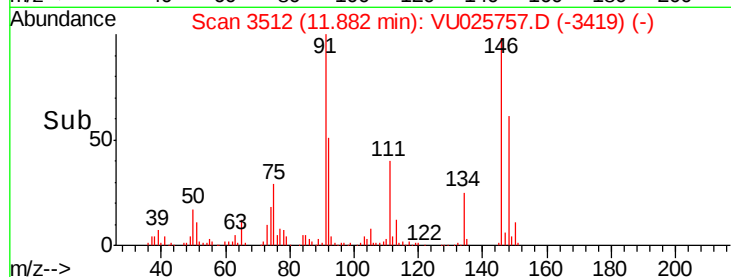
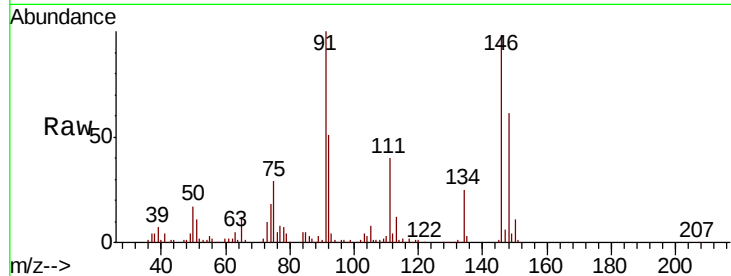
#91
 1,2-Dichlorobenzene
 Concen: 21.566 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025757.D
 Acq: 31 Jul 2018 22:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.6	61.8
148	63.0	31.5	94.5

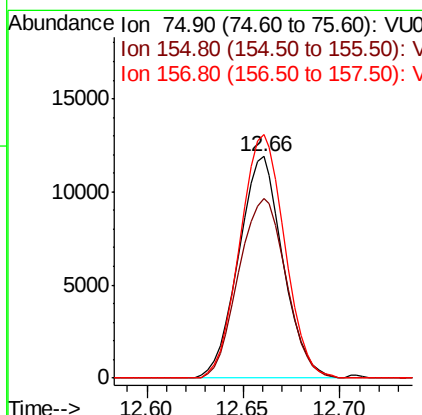
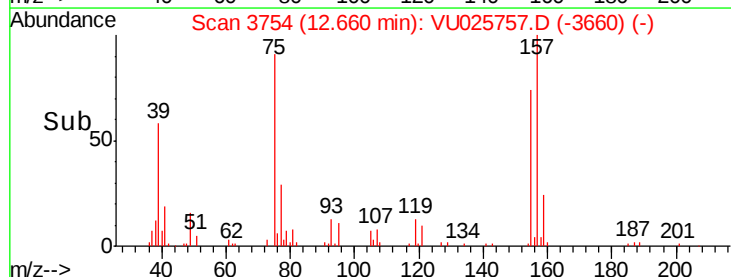
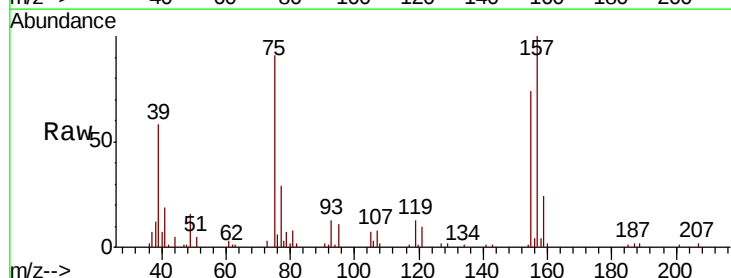
Manual Integrations
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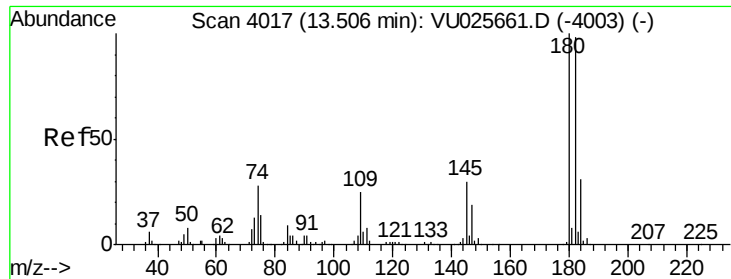
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.569 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025757.D
 Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	44.5	133.3
157	110.4	57.0	170.8





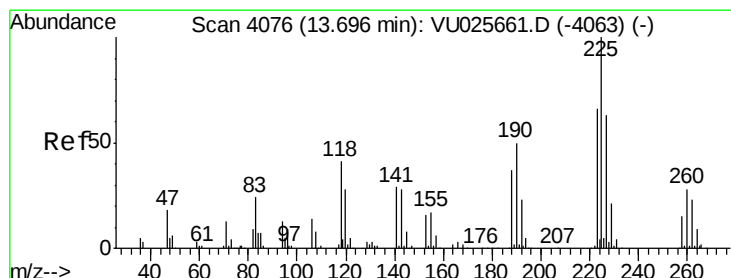
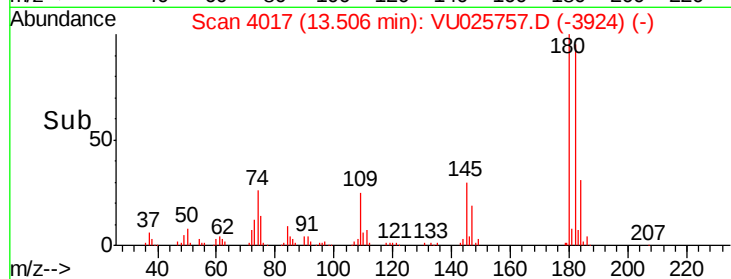
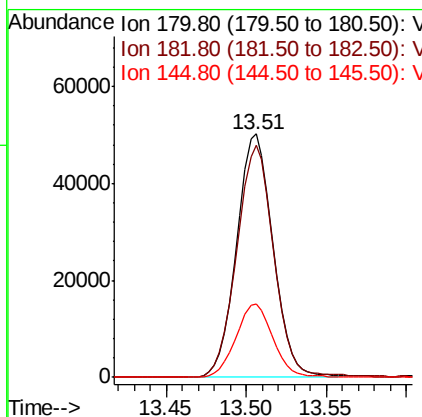
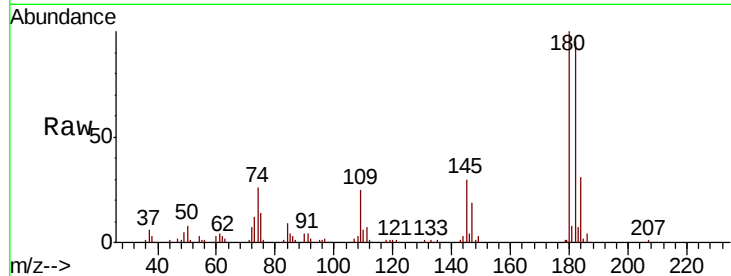
#93
 1,2,4-Trichlorobenzene
 Concen: 21.381 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025757.D
 Acq: 31 Jul 2018 22:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.3	141.9
145	30.3	14.9	44.7

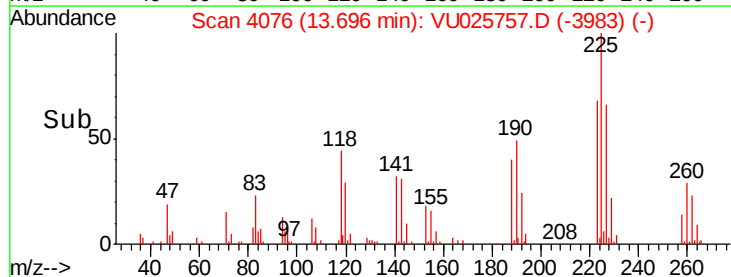
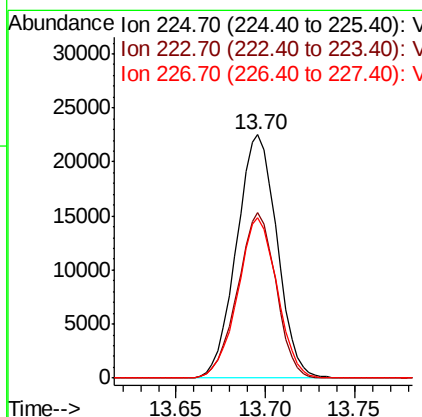
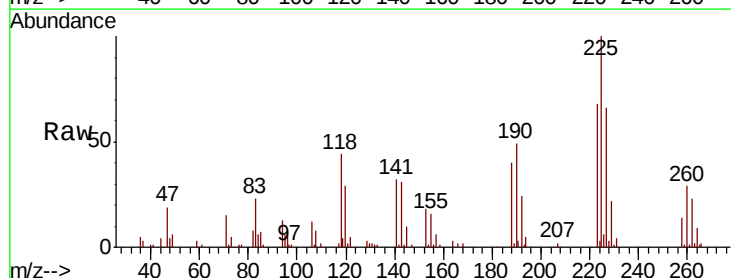
Manual Integrations
 APPROVED

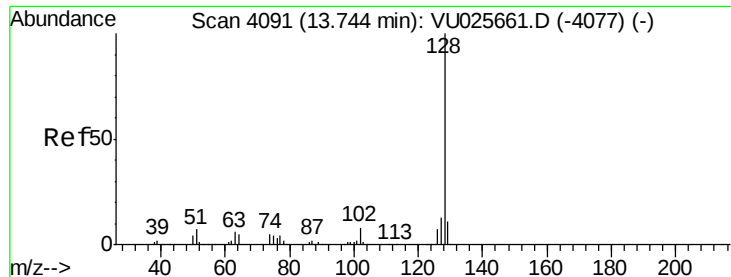
MMDadoda
 8/2/2018 9:41:07 AM



#94
 Hexachlorobutadiene
 Concen: 18.468 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025757.D
 Acq: 31 Jul 2018 22:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.9	95.7
227	63.9	32.3	96.9





#95

Naphthalene

Concen: 20.943 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Instrument :

MSVOA_U

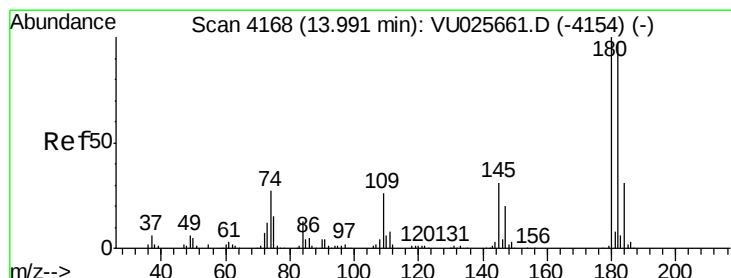
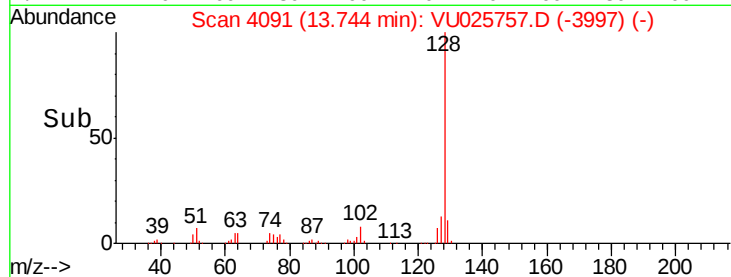
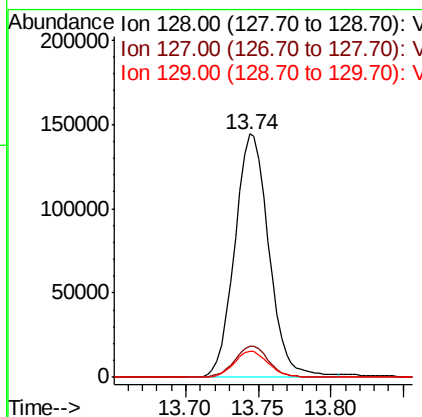
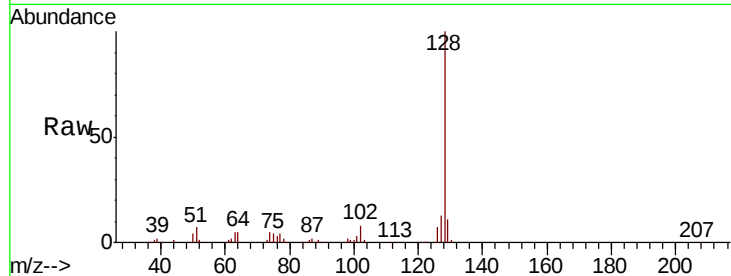
ClientSampleId :

VU0801WBSD01

Tot Ion:	128	Resp:	236397
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	10.5	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
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#96

1,2,3-Trichlorobenzene

Concen: 22.192 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025757.D

Acq: 31 Jul 2018 22:25

Tgt Ion:	180	Resp:	80668
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.8	143.3
145	31.6	15.6	46.8

