

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120318\
 Data File : VU028430.D
 Acq On : 03 Dec 2018 10:53
 Operator : MD/SY
 Sample : VU1203WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 11:18:28 AM

Quant Time: Dec 04 07:09:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	312415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	540269	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	500378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	244271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	238712	45.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.44%	
35) Dibromofluoromethane	4.88	113	177098	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	7.56	98	683040	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
62) 4-Bromofluorobenzene	10.30	95	257195	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	76256	18.195	ug/l	96
3) Chloromethane	1.33	50	136617	16.818	ug/l	98
4) Vinyl Chloride	1.40	62	102238	17.988	ug/l	99
5) Bromomethane	1.62	94	43522	19.798	ug/l	99
6) Chloroethane	1.70	64	59463	18.182	ug/l	96
7) Trichlorofluoromethane	1.89	101	111983	18.968	ug/l	100
8) Diethyl Ether	2.10	74	52541	19.144	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	68298	19.859	ug/l	97
10) Methyl Iodide	2.41	142	50226	15.487	ug/l	98
11) Tert butyl alcohol	2.82	59	114845	96.820	ug/l	97
12) 1,1-Dichloroethene	2.28	96	65018	19.481	ug/l	91
13) Acrolein	2.19	56	79417	75.311	ug/l	100
14) Allyl chloride	2.59	41	149674	17.164	ug/l	96
15) Acrylonitrile	2.93	53	285029	90.841	ug/l	99
16) Acetone	2.32	43	301158	94.290	ug/l	99
17) Carbon Disulfide	2.48	76	226786	17.703	ug/l	100
18) Methyl Acetate	2.61	43	159147	17.896	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	254148	18.574	ug/l	98
20) Methylene Chloride	2.70	84	83959	18.590	ug/l	94
21) trans-1,2-Dichloroethene	2.98	96	73831	19.074	ug/l	95
22) Diisopropyl ether	3.57	45	312364	18.195	ug/l	96
23) Vinyl Acetate	3.52	43	1276020	89.419	ug/l	99
24) 1,1-Dichloroethane	3.45	63	157464	18.603	ug/l	99
25) 2-Butanone	4.26	43	417844	91.283	ug/l	100
26) 2,2-Dichloropropane	4.22	77	128262	19.080	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	86864	18.976	ug/l	95
28) Bromochloromethane	4.55	49	79098	18.689	ug/l	91
29) Tetrahydrofuran	4.64	42	266958	89.825	ug/l	96
30) Chloroform	4.67	83	143688	18.391	ug/l	99
31) Cyclohexane	4.99	56	156975	17.818	ug/l	94
32) 1,1,1-Trichloroethane	4.91	97	118554	18.911	ug/l	99
36) 1,1-Dichloropropene	5.14	75	109824	18.576	ug/l	99
37) Ethyl Acetate	4.38	43	146650	18.202	ug/l	98
38) Carbon Tetrachloride	5.13	117	94040	19.370	ug/l	99

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	136282	19.551	ug/l	96
40) Benzene	5.39	78	336837	19.237	ug/l	97
41) Methacrylonitrile	4.54	41	82146	18.359	ug/l	93
42) 1,2-Dichloroethane	5.40	62	116920	18.535	ug/l	98
43) Isopropyl Acetate	5.55	43	240391	18.829	ug/l	99
44) Trichloroethene	6.19	130	75378	20.083	ug/l	100
45) 1,2-Dichloropropane	6.43	63	94632	18.455	ug/l	100
46) Dibromomethane	6.56	93	55696	18.910	ug/l	96
47) Bromodichloromethane	6.76	83	110364	18.838	ug/l	99
48) Methyl methacrylate	6.62	41	117176	17.619	ug/l	97
49) 1,4-Dioxane	6.61	88	45224	425.665	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	737038	90.387	ug/l	98
52) Toluene	7.64	92	197818	19.618	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	135167	19.295	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	141714	18.883	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	77267	18.412	ug/l	97
56) Ethyl methacrylate	8.02	69	134650	18.861	ug/l	98
57) 1,3-Dichloropropane	8.24	76	143346	18.627	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	344253	89.815	ug/l	97
59) 2-Hexanone	8.36	43	573754	90.837	ug/l	98
60) Dibromochloromethane	8.48	129	78120	19.573	ug/l	98
61) 1,2-Dibromoethane	8.58	107	85195	19.822	ug/l	99
64) Tetrachloroethene	8.23	164	64240	19.517	ug/l	98
65) Chlorobenzene	9.12	112	206006	19.827	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	69504	19.516	ug/l	98
67) Ethyl Benzene	9.25	91	375610	19.194	ug/l	99
68) m/p-Xylenes	9.37	106	277696	39.426	ug/l	99
69) o-Xylene	9.78	106	133949	19.130	ug/l	98
70) Styrene	9.79	104	221292	19.596	ug/l	99
71) Bromoform	9.96	173	57893	19.340	ug/l #	98
73) Isopropylbenzene	10.16	105	364486	19.185	ug/l	98
74) N-amyl acetate	10.01	43	202675	17.027	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	139479	17.853	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	122418m	18.072	ug/l	
77) Bromobenzene	10.45	156	84060	18.778	ug/l	95
78) n-propylbenzene	10.58	91	443496	18.923	ug/l	100
79) 2-Chlorotoluene	10.66	91	258263	18.693	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	301605	18.839	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	45377m	17.782	ug/l	
82) 4-Chlorotoluene	10.77	91	294875	18.524	ug/l	99
83) tert-Butylbenzene	11.10	119	285674	19.142	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	304850	18.799	ug/l	97
85) sec-Butylbenzene	11.32	105	365151	18.838	ug/l	100
86) p-Isopropyltoluene	11.48	119	307885	19.317	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	152631	18.694	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	153139	18.637	ug/l	97
89) n-Butylbenzene	11.89	91	299435	19.035	ug/l	99
90) Hexachloroethane	12.14	117	45593	18.322	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	150571	18.484	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	31376	18.055	ug/l	98

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Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	101363	19.010	ug/l	99
94) Hexachlorobutadiene	13.69	225	46450	18.449	ug/l	96
95) Naphthalene	13.74	128	354941	19.121	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	106056	19.666	ug/l	98

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

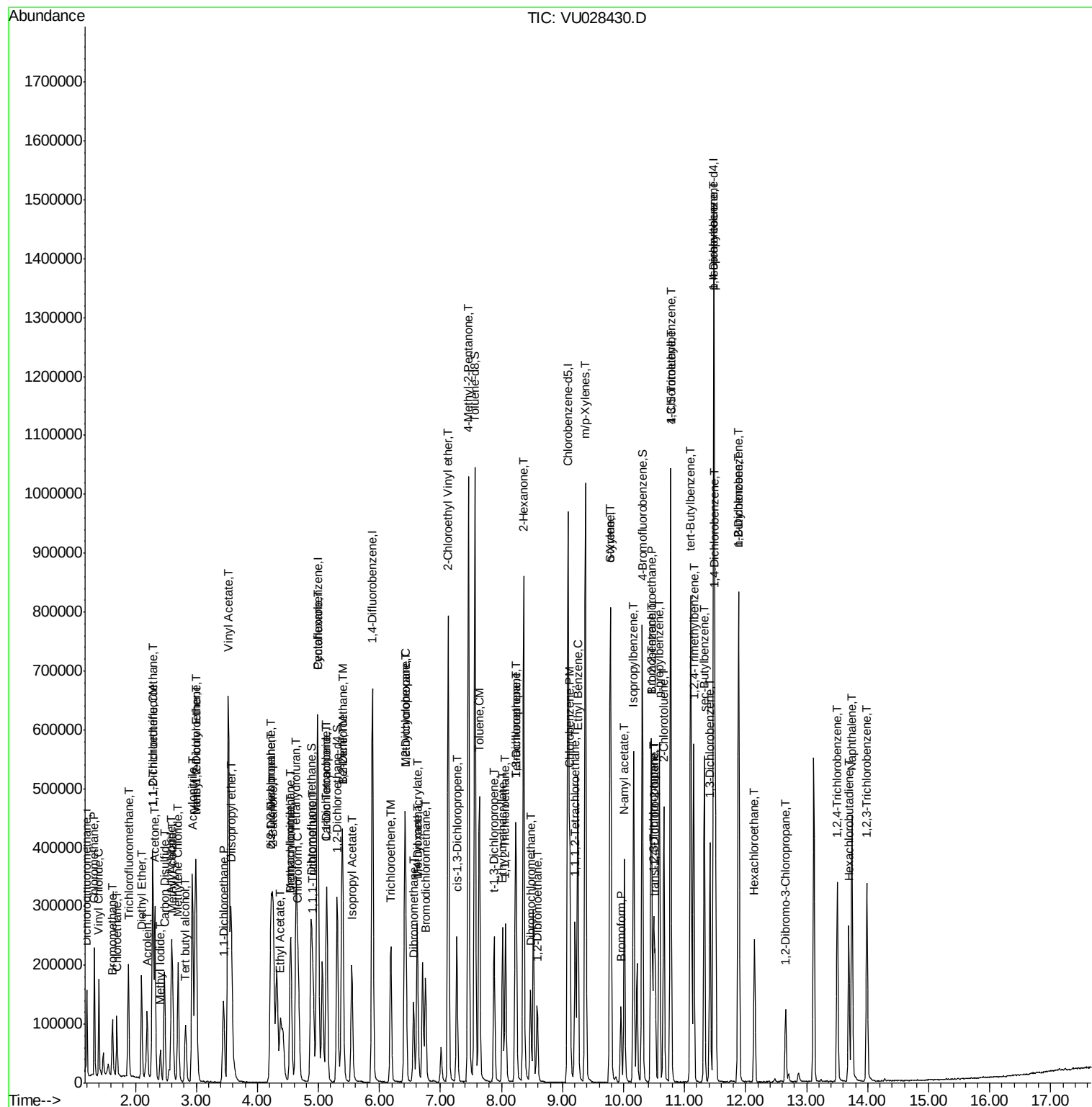
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 Data File : VU028430.D
 Acq On : 03 Dec 2018 10:53
 Operator : MD/SY
 Sample : VU1203WBS01
 Misc : 5.0mL/MSVOA U/WATER
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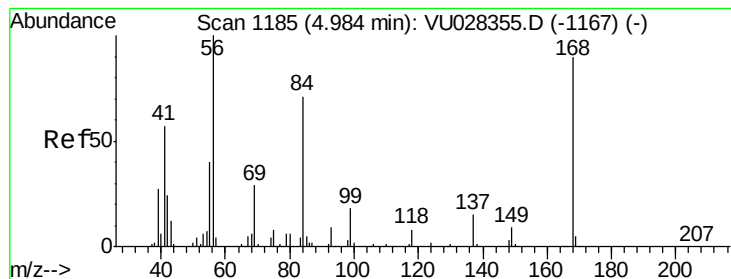
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

Tot Ion:168 Resp: 312415

Ion Ratio Lower Upper

168 100

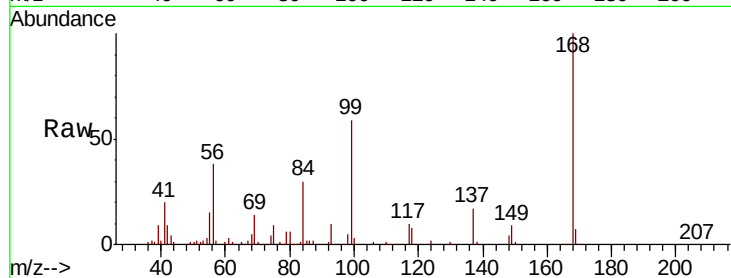
99 58.6 49.6 74.4

Manual Integrations

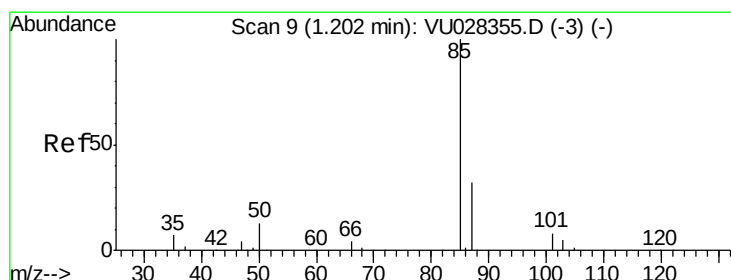
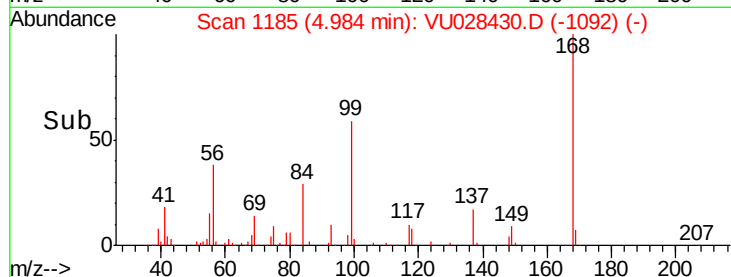
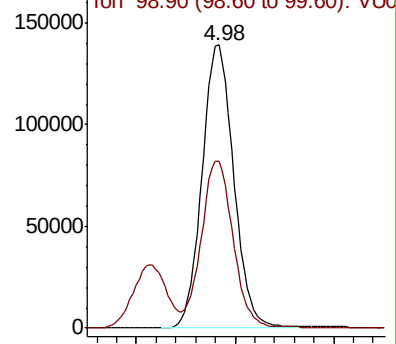
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Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)



#2

Dichlorodifluoromethane

Concen: 18.195 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028430.D

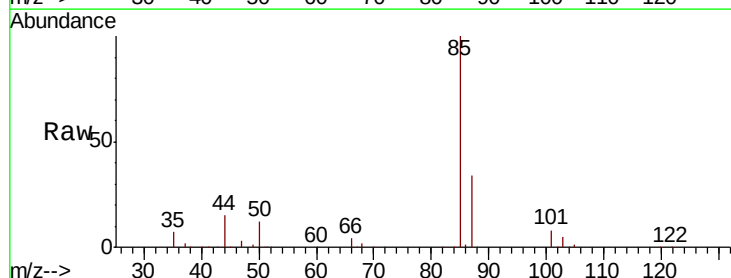
Acq: 03 Dec 2018 10:53

Tgt Ion: 85 Resp: 76256

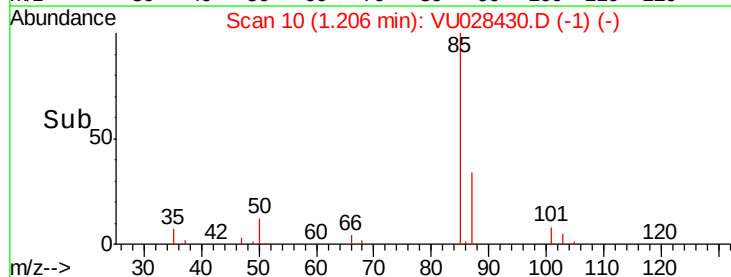
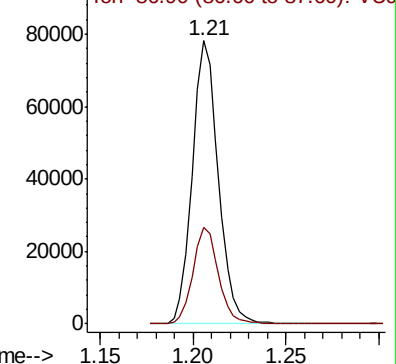
Ion Ratio Lower Upper

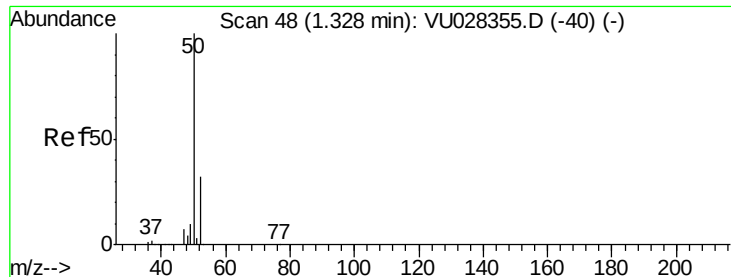
85 100

87 34.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)





#3

Chloromethane

Concen: 16.818 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

Tot Ion: 50 Resp: 136617

Ion Ratio Lower Upper

50 100

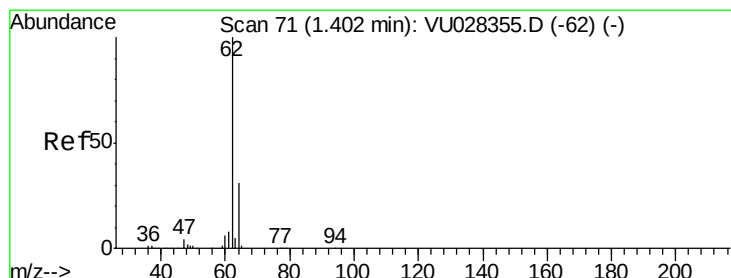
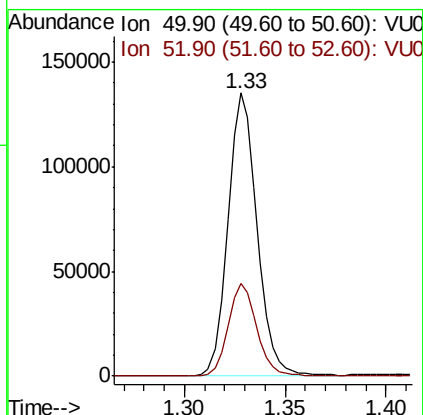
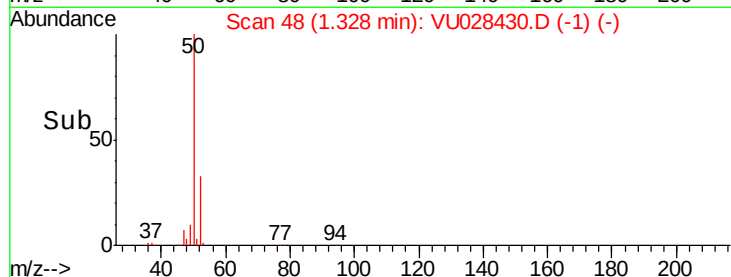
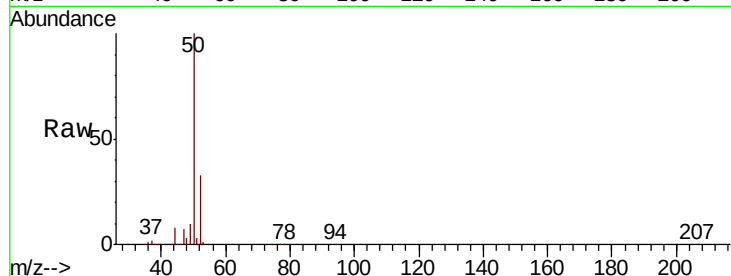
52 32.8 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.988 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028430.D

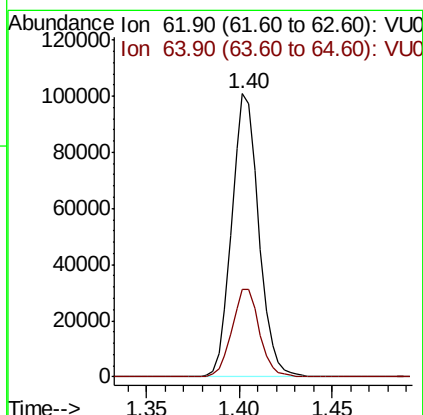
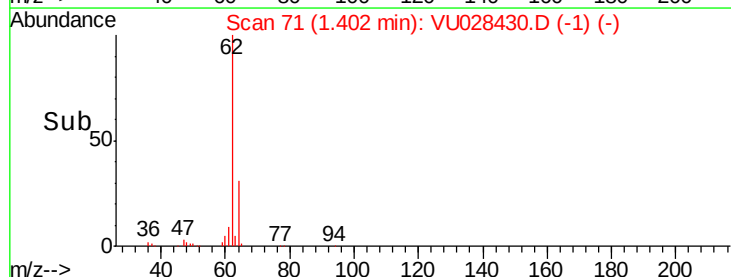
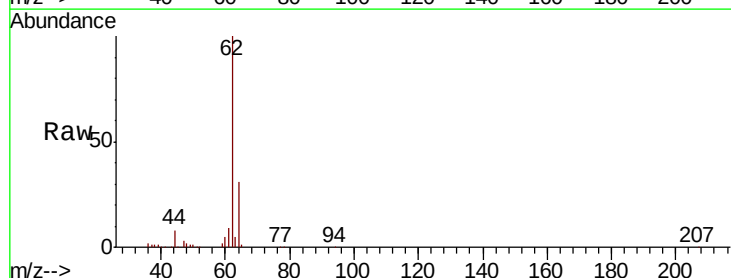
Acq: 03 Dec 2018 10:53

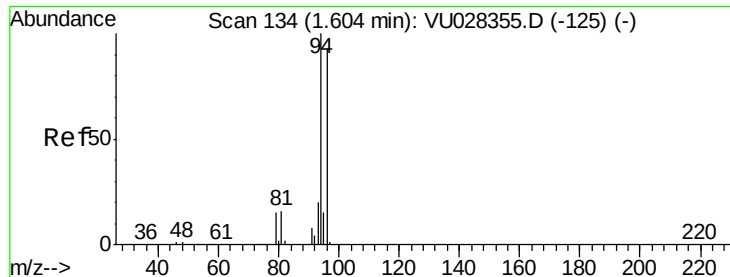
Tgt Ion: 62 Resp: 102238

Ion Ratio Lower Upper

62 100

64 30.8 25.0 37.4





#5

Bromomethane

Concen: 19.798 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.02 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

Tot Ion: 94 Resp: 43522

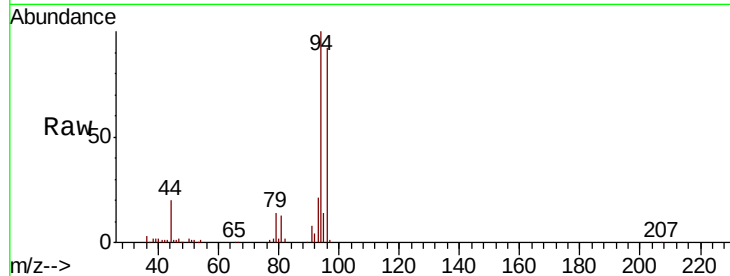
Ion Ratio Lower Upper

94 100

96 92.3 74.6 112.0

Manual Integrations
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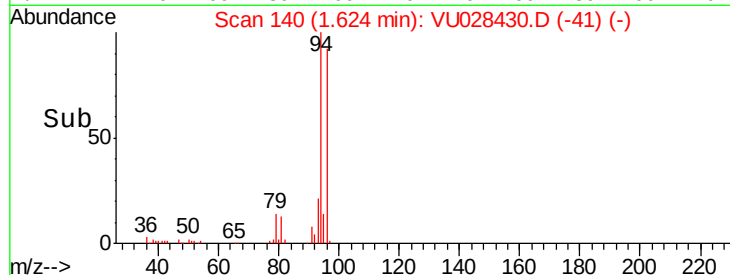


Abundance Ion 93.90 (93.60 to 94.60): VU028355.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VU028355.D (-125) (-)

1.62

Time-->

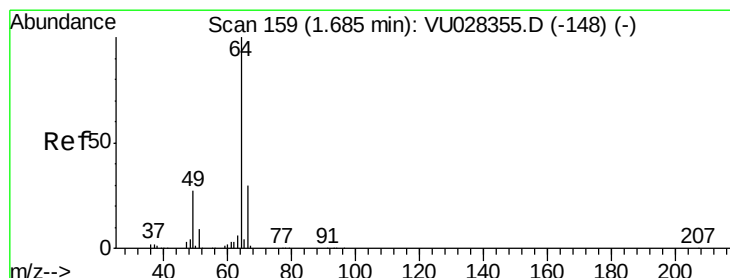


Abundance Ion 93.90 (93.60 to 94.60): VU028430.D (-41) (-)

Ion 95.90 (95.60 to 96.60): VU028430.D (-41) (-)

1.62

Time-->



#6

Chloroethane

Concen: 18.182 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU028430.D

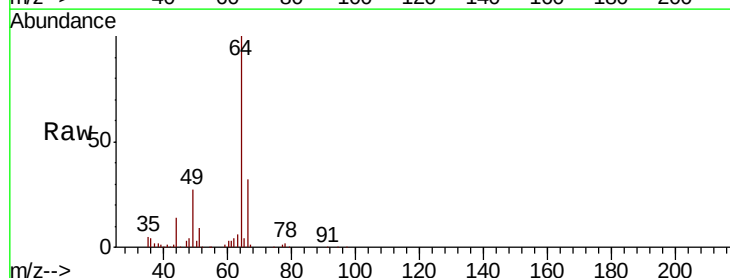
Acq: 03 Dec 2018 10:53

Tgt Ion: 64 Resp: 59463

Ion Ratio Lower Upper

64 100

66 31.6 23.6 35.4

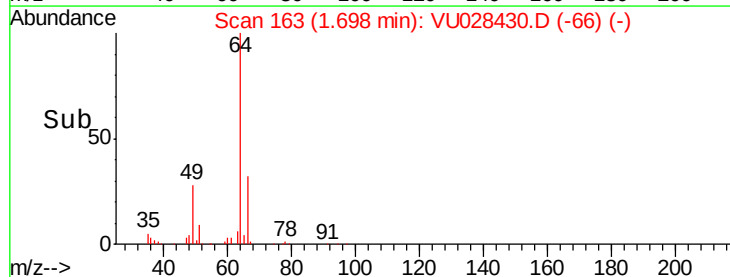


Abundance Ion 63.90 (63.60 to 64.60): VU028355.D (-148) (-)

Ion 65.90 (65.60 to 66.60): VU028355.D (-148) (-)

1.70

Time-->

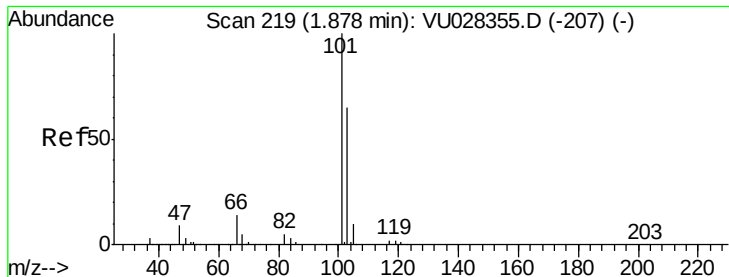


Abundance Ion 63.90 (63.60 to 64.60): VU028430.D (-66) (-)

Ion 65.90 (65.60 to 66.60): VU028430.D (-66) (-)

1.70

Time-->



#7

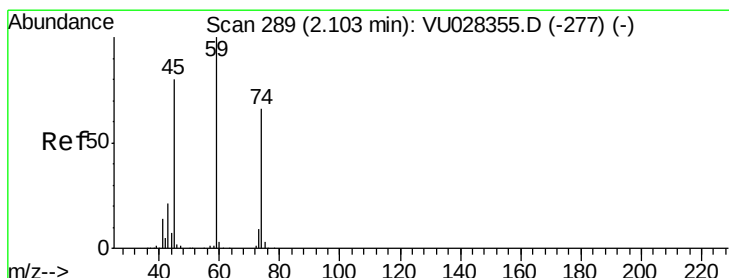
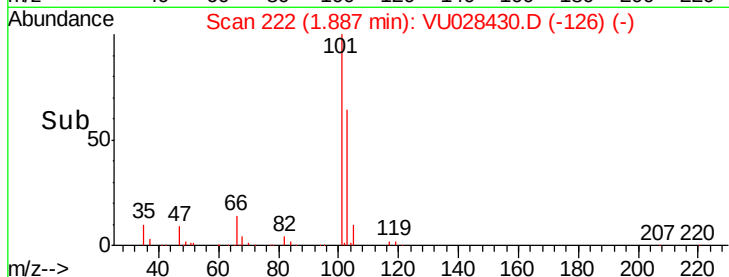
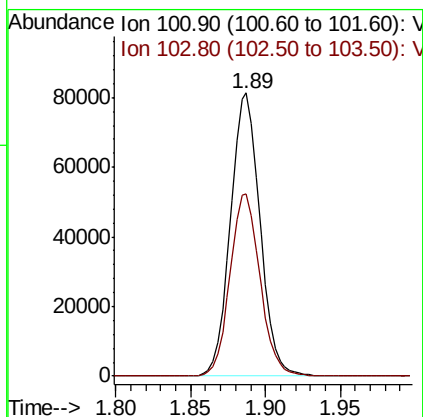
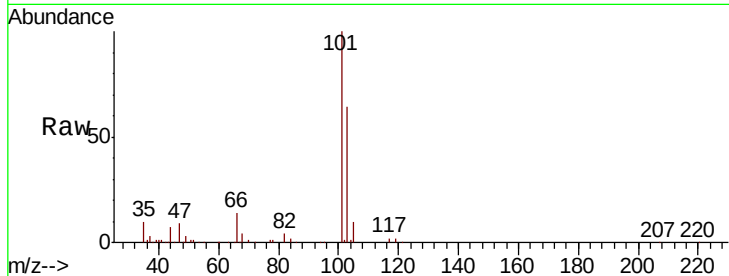
Trichlorofluoromethane
 Concen: 18.968 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.6	77.4

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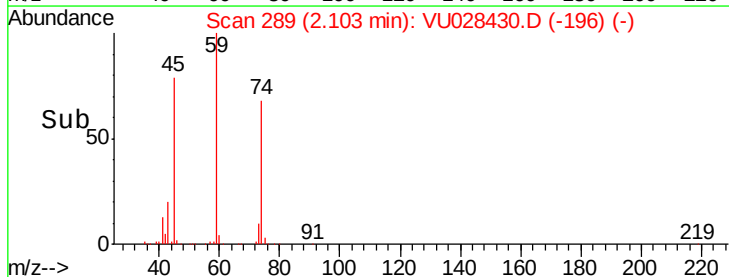
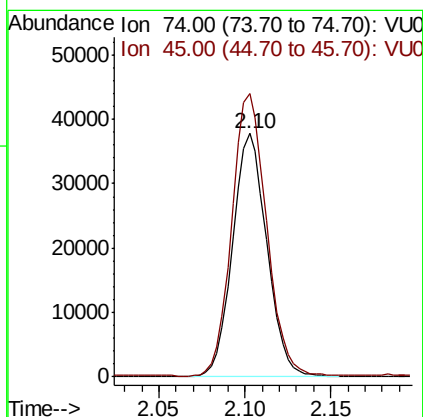
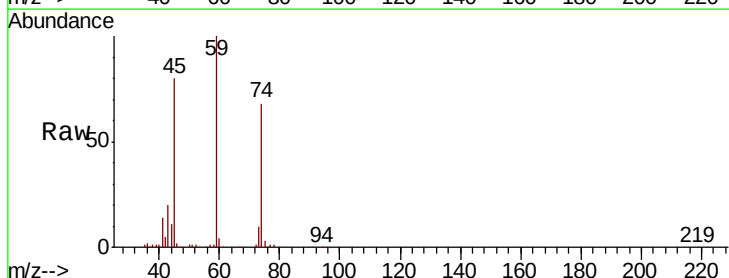
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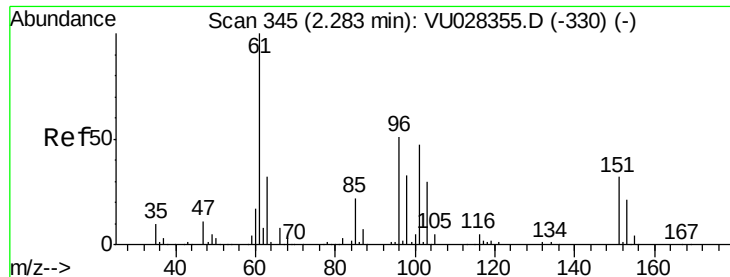


#8

Diethyl Ether
 Concen: 19.144 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.0	63.0	189.1





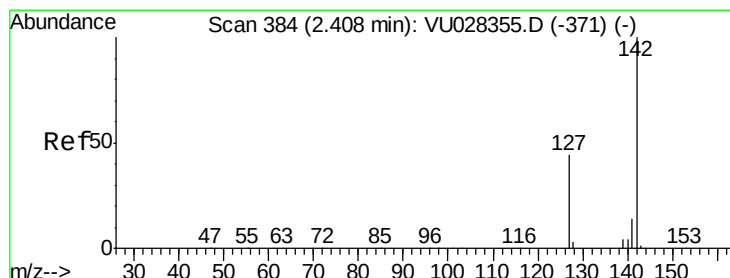
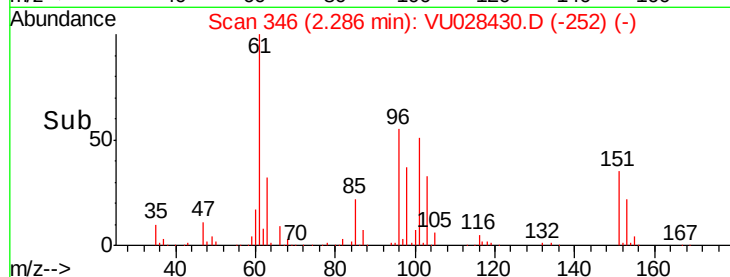
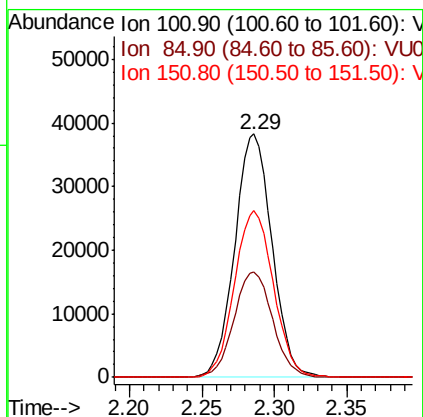
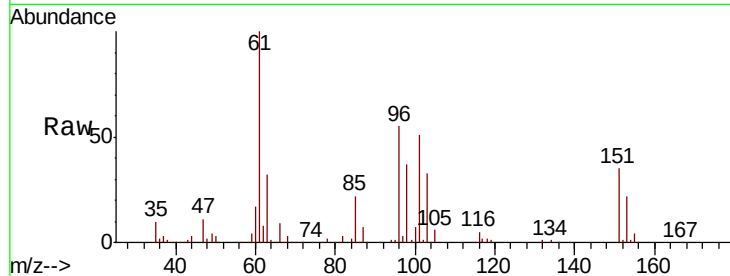
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.859 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.9	37.2	55.8
151	71.4	55.4	83.0

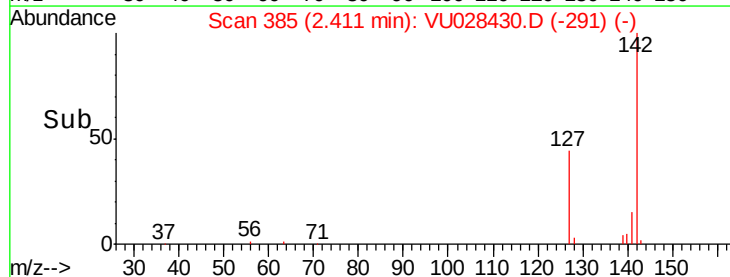
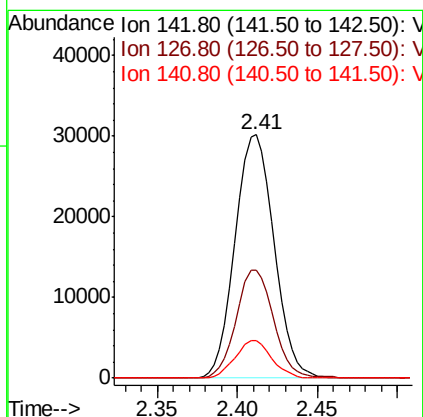
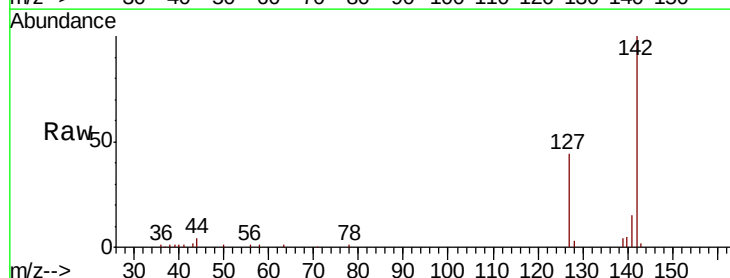
Manual Integrations
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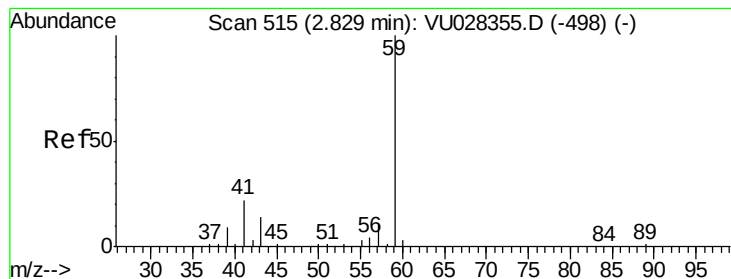
MMDadoda
 12/4/2018 11:18:28 AM



#10
 Methyl Iodide
 Concen: 15.487 ug/l
 RT: 2.41 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.4	35.0	52.6
141	14.4	11.2	16.8





#11

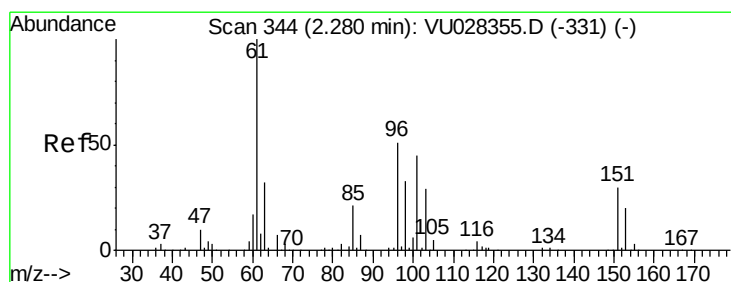
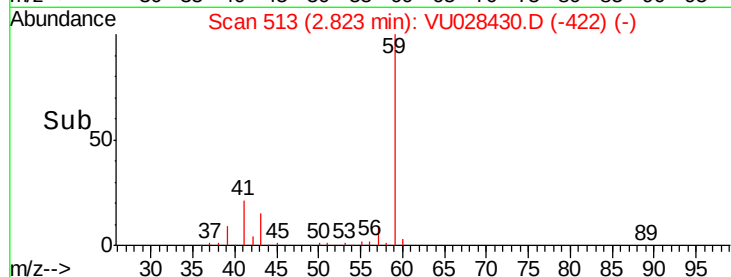
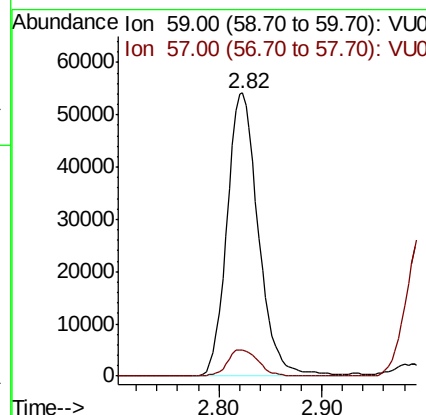
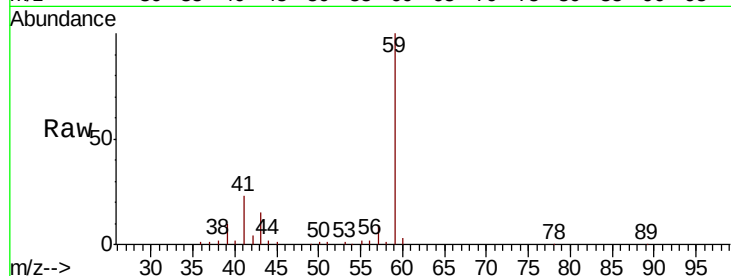
Tert butyl alcohol
 Concen: 96.820 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.3	12.5

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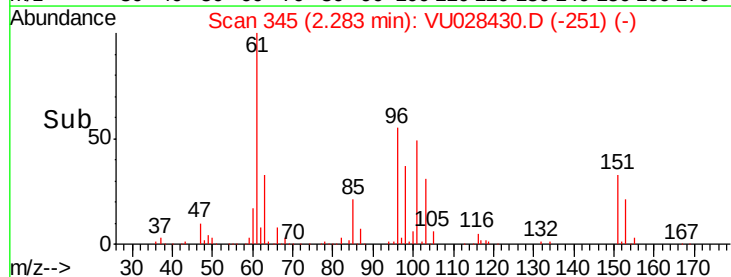
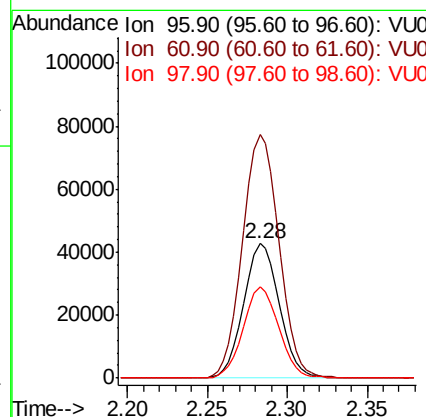
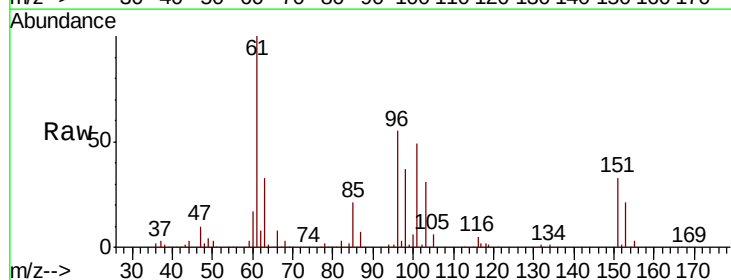
MMDadoda
 12/4/2018 11:18:28 AM

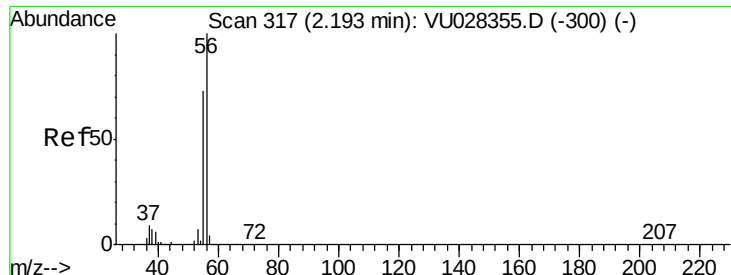


#12

1,1-Dichloroethene
 Concen: 19.481 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.3	158.1	237.1
98	67.9	51.4	77.2





#13

Acrolein

Concen: 75.311 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

Tot Ion: 56 Resp: 79417

Ion Ratio Lower Upper

56 100

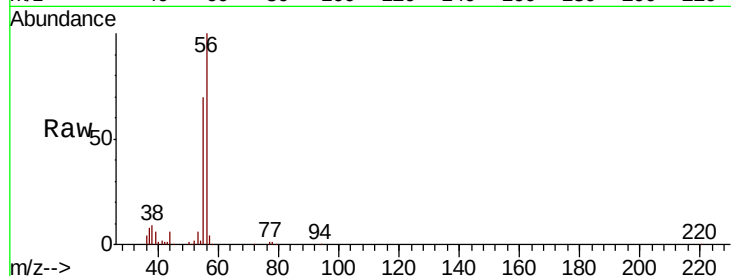
55 70.8 56.6 85.0

Manual Integrations

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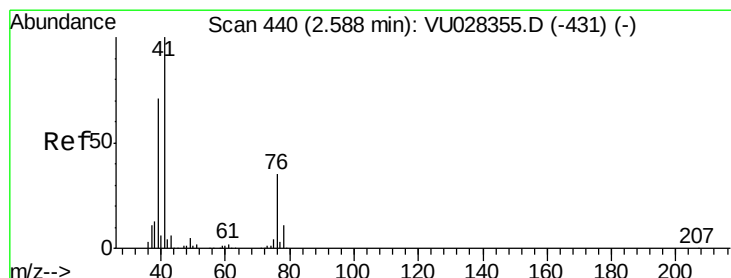
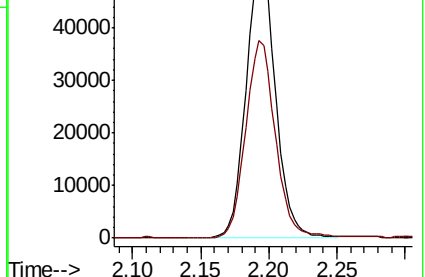
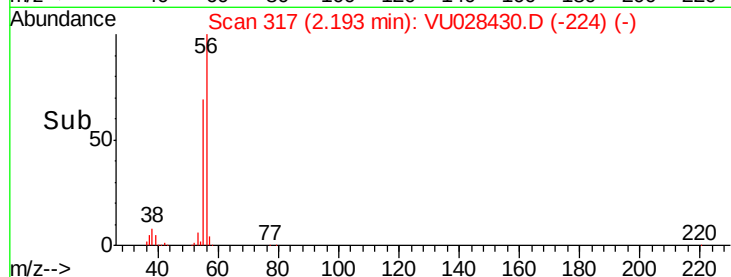


Abundance Ion 56.00 (55.70 to 56.70): VU028355.D (-300) (-)

Ion 55.00 (54.70 to 55.70): VU028355.D (-300) (-)

2.19

Time-->



#14

Allyl chloride

Concen: 17.164 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

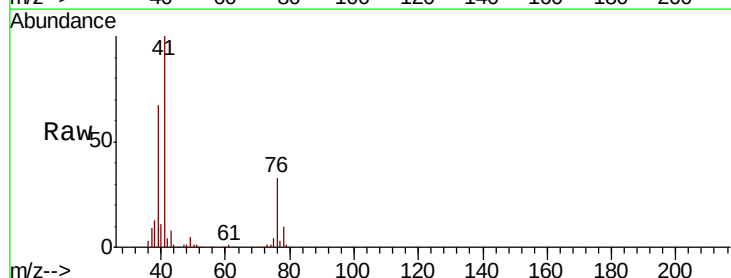
Tgt Ion: 41 Resp: 149674

Ion Ratio Lower Upper

41 100

39 67.4 51.6 77.4

76 32.5 24.4 36.6



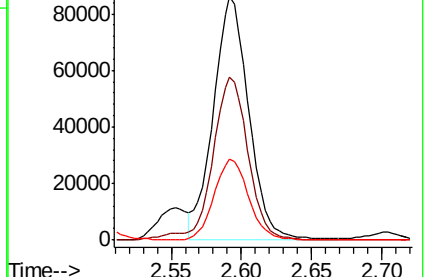
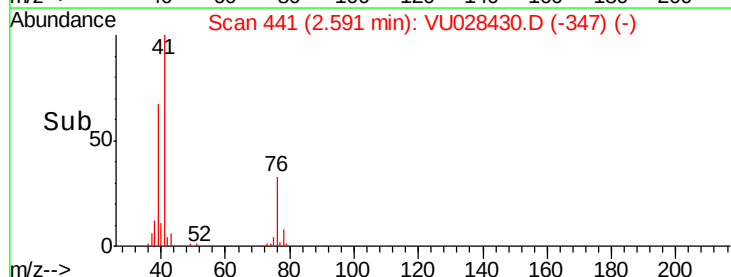
Abundance Ion 41.00 (40.70 to 41.70): VU028355.D (-431) (-)

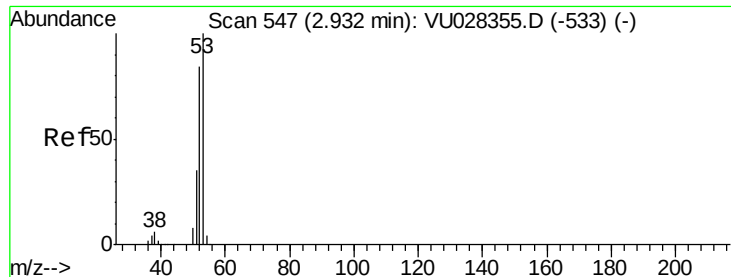
Ion 39.00 (38.70 to 39.70): VU028355.D (-431) (-)

Ion 75.90 (75.60 to 76.60): VU028355.D (-431) (-)

2.59

Time-->





#15

Acrylonitrile

Concen: 90.841 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

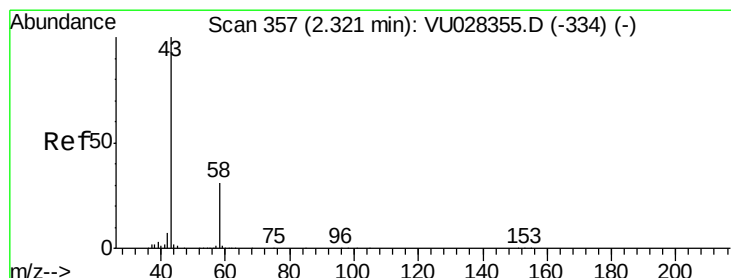
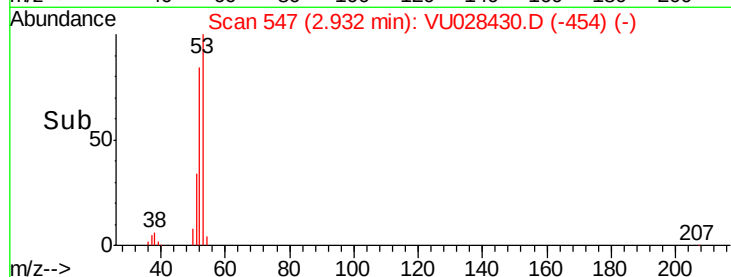
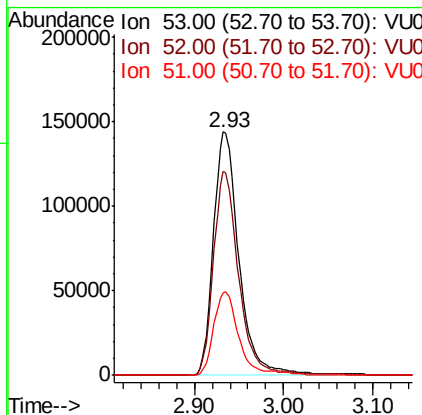
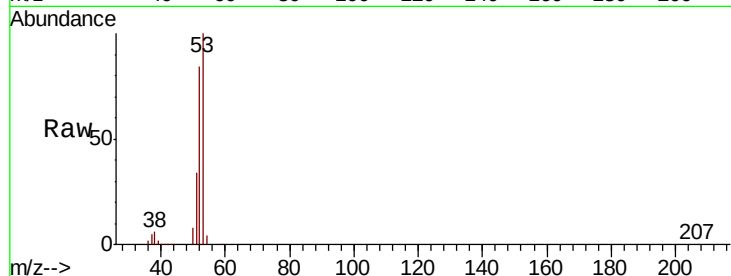
ClientSampleId :

VU1203WBS01

Tot Ion:	53	Resp:	285029
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	34.3	27.8	41.6

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#16

Acetone

Concen: 94.290 ug/l

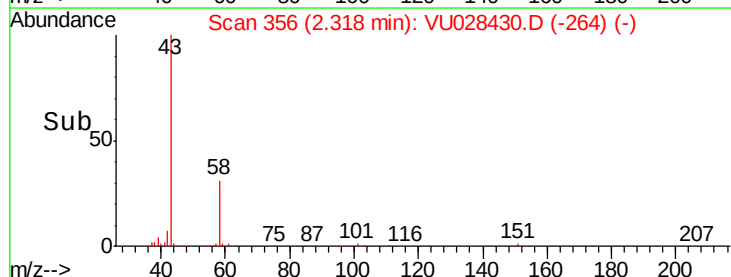
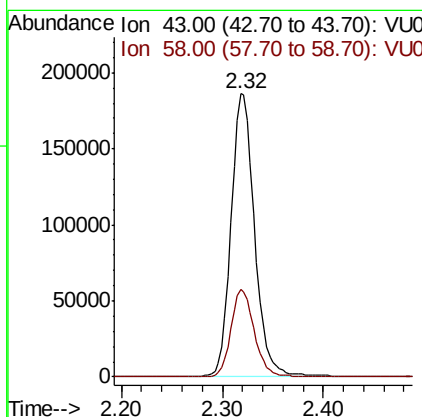
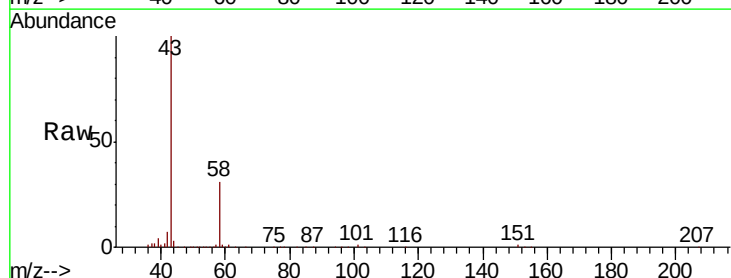
RT: 2.32 min Scan# 356

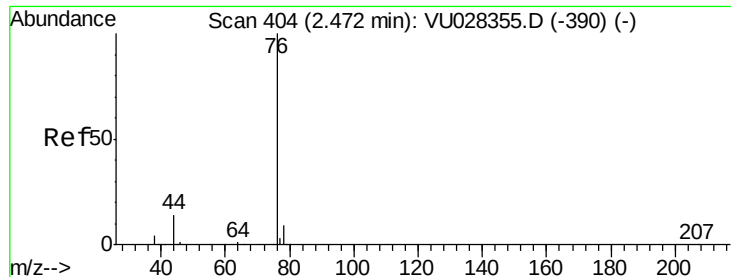
Delta R.T. -0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Tgt Ion:	43	Resp:	301158
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.4	36.6





#17

Carbon Disulfide

Concen: 17.703 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

Tot Ion: 76 Resp: 226786

Ion Ratio Lower Upper

76 100

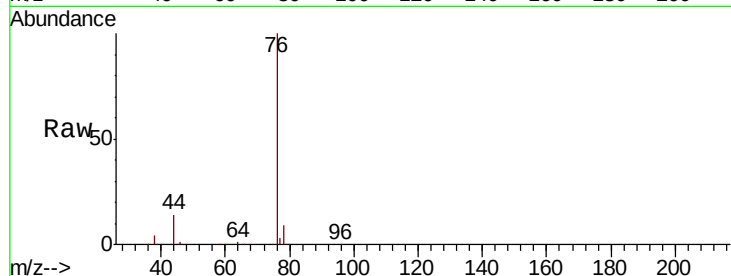
78 9.3 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

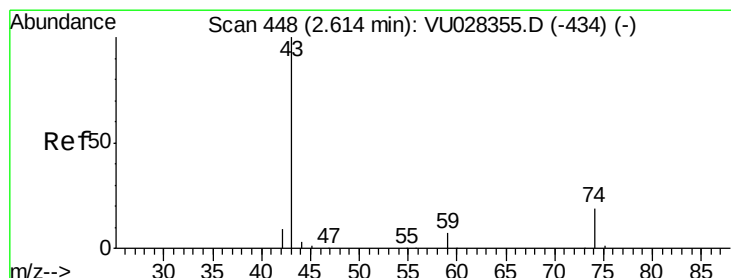
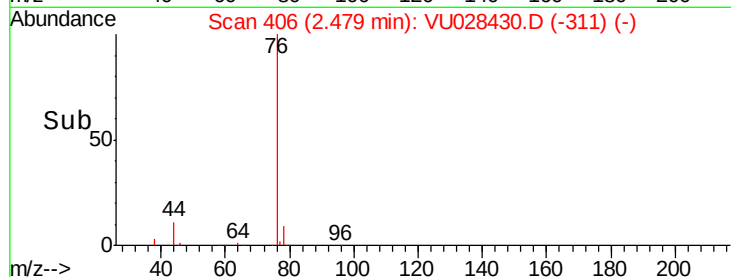
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 17.896 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU028430.D

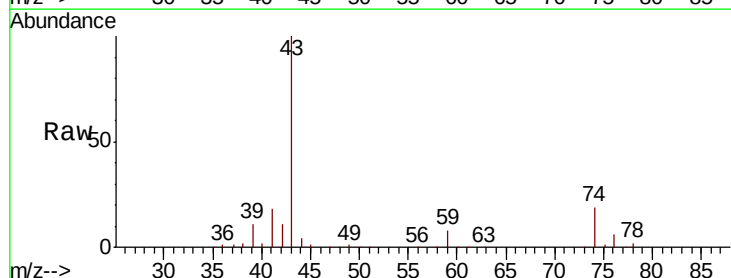
Acq: 03 Dec 2018 10:53

Tgt Ion: 43 Resp: 159147

Ion Ratio Lower Upper

43 100

74 19.9 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.61

100000

80000

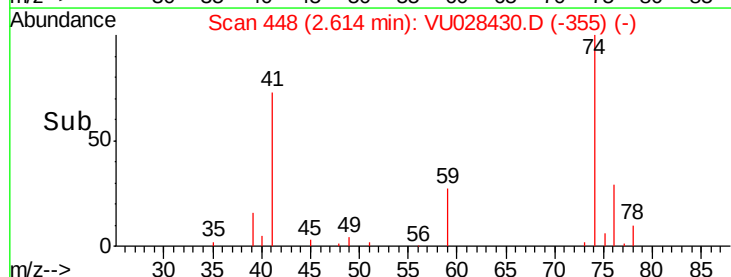
60000

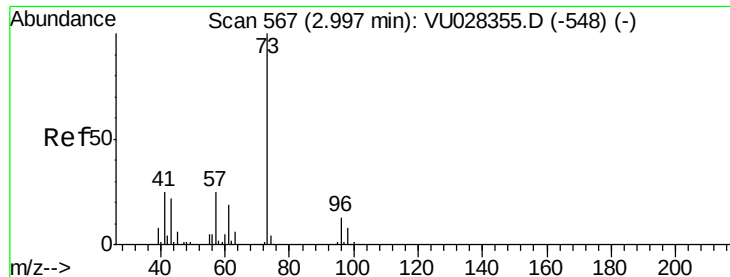
40000

20000

0

Time-->





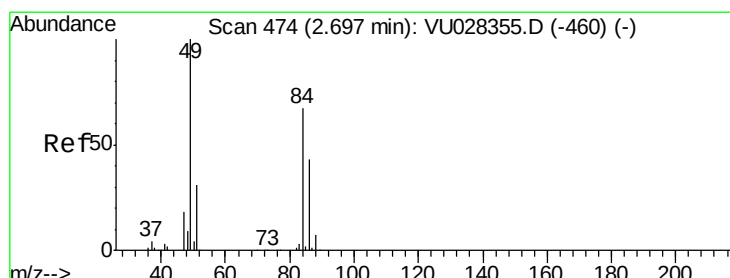
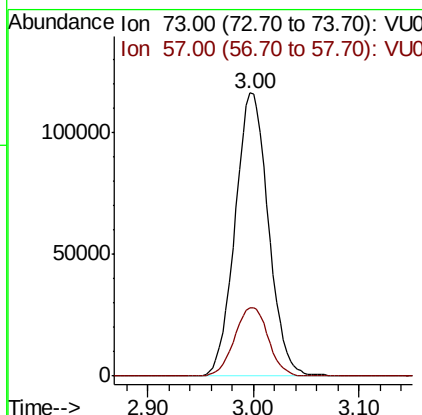
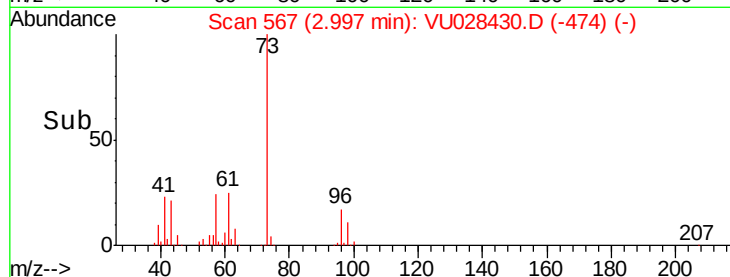
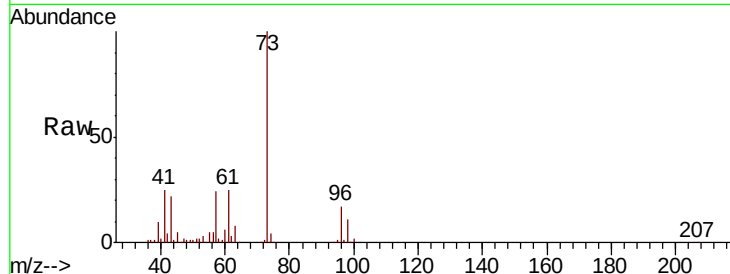
#19
Methyl tert-butyl Ether
Concen: 18.574 ug/l
RT: 3.00 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampled :
VU1203WBS01

Tot Ion: 73 Resp: 254148
Ion Ratio Lower Upper
73 100
57 24.2 20.1 30.1

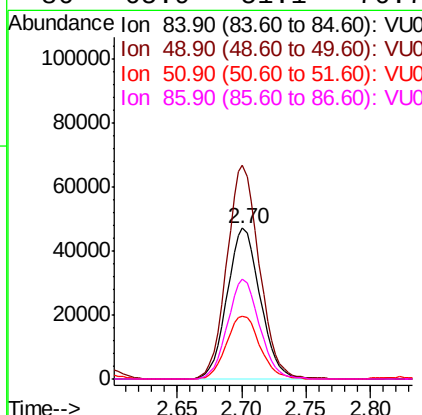
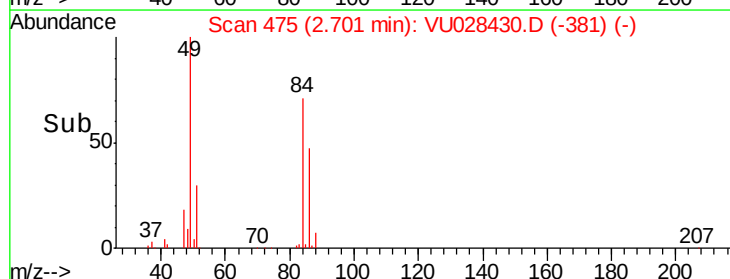
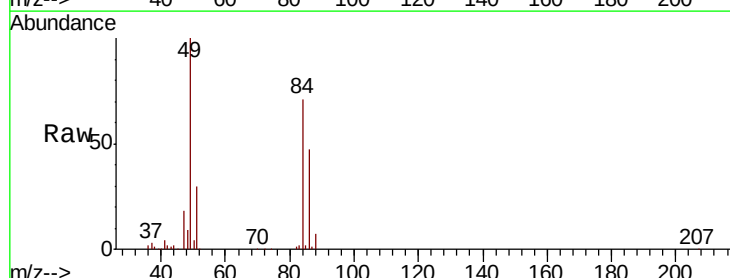
Manual Integrations
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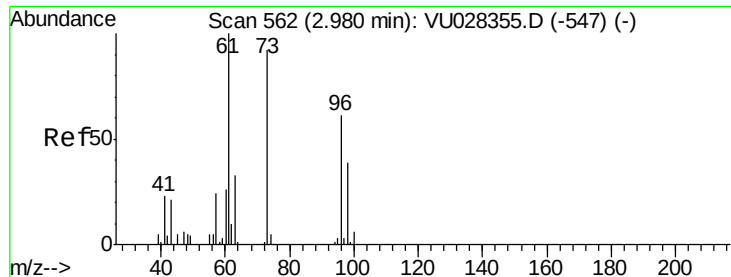
MMDadoda
12/4/2018 11:18:28 AM



#20
Methylene Chloride
Concen: 18.590 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion: 84 Resp: 83959
Ion Ratio Lower Upper
84 100
49 141.5 120.0 180.0
51 41.9 36.9 55.3
86 65.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.074 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

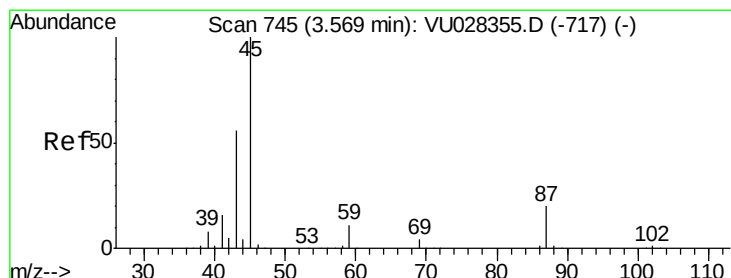
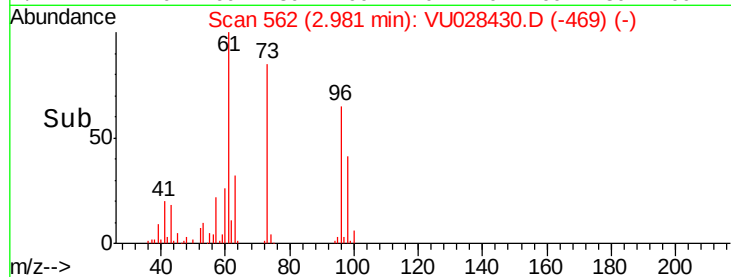
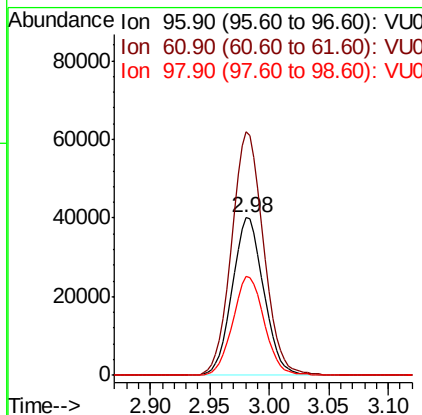
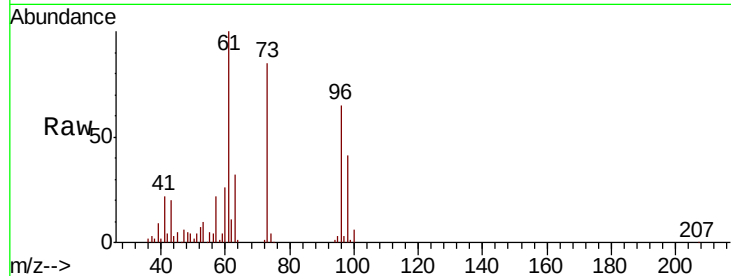
ClientSampleId :

VU1203WBS01

Tot Ion:	96	Resp:	73831
Ion	Ratio	Lower	Upper
96	100		
61	154.8	131.1	196.7
98	63.0	51.7	77.5

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#22

Diisopropyl ether

Concen: 18.195 ug/l

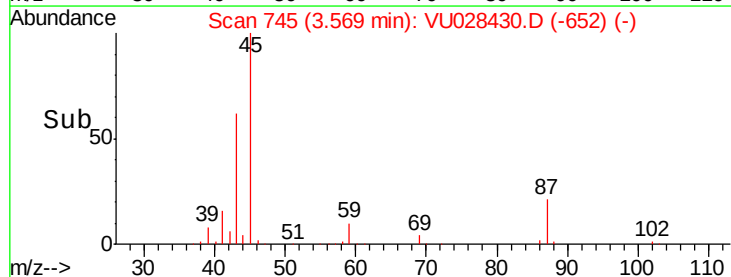
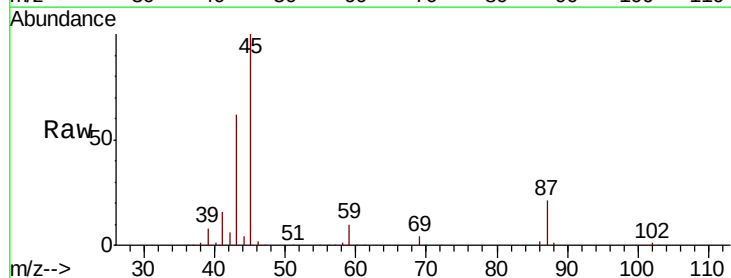
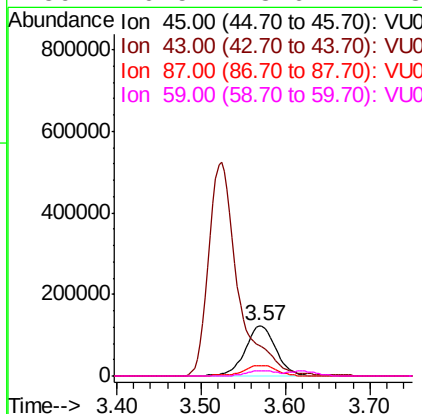
RT: 3.57 min Scan# 745

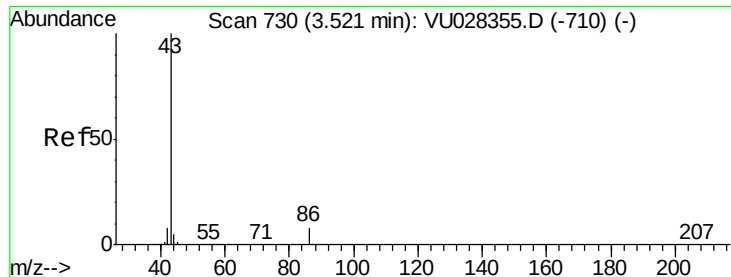
Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Tgt Ion:	45	Resp:	312364
Ion	Ratio	Lower	Upper
45	100		
43	60.3	44.8	67.2
87	21.4	16.3	24.5
59	10.5	8.6	12.8





#23

Vinyl Acetate

Concen: 89.419 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

Tot Ion: 43 Resp: 1276020

Ion Ratio Lower Upper

43 100

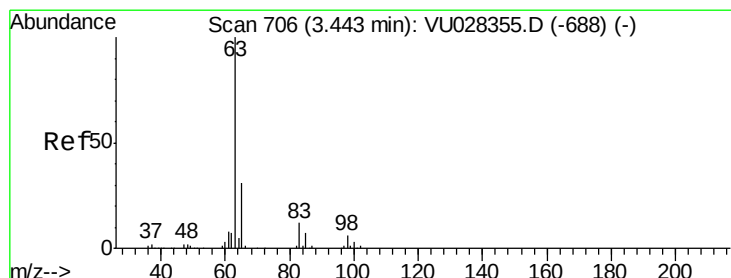
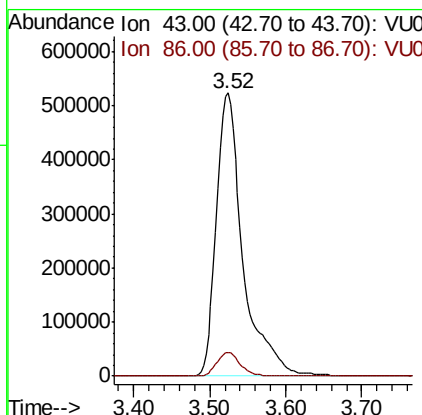
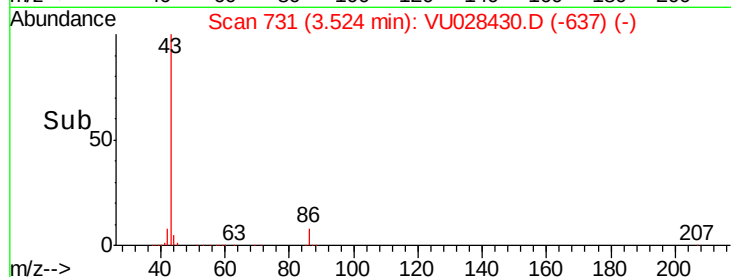
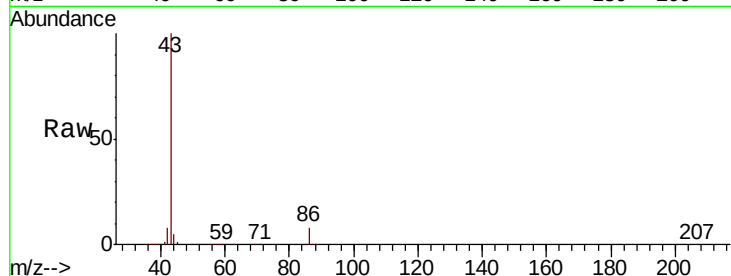
86 8.5 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 18.603 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

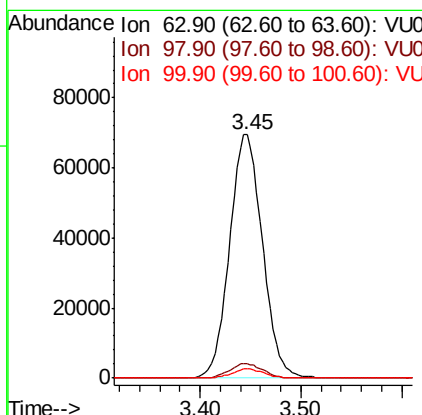
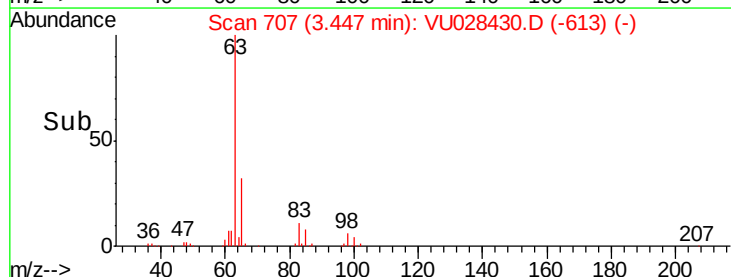
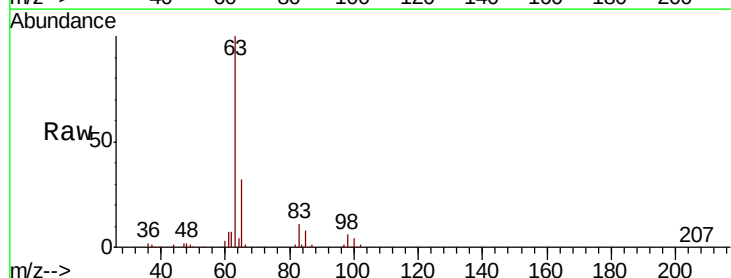
Tgt Ion: 63 Resp: 157464

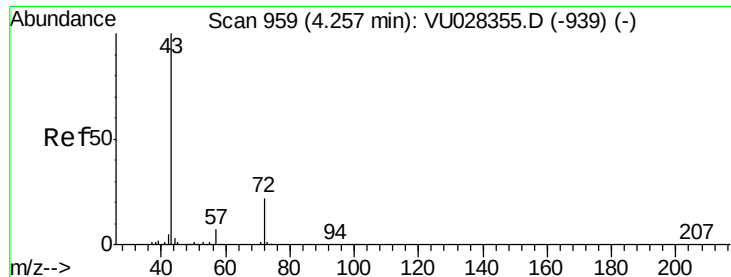
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.8 1.7 5.1





#25

2-Butanone

Concen: 91.283 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

Tot Ion: 43 Resp: 417844

Ion Ratio Lower Upper

43 100

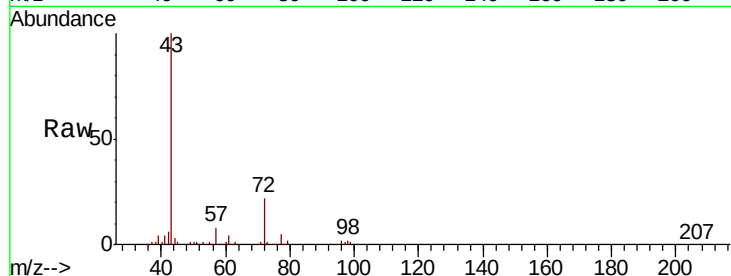
72 22.2 17.7 26.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

200000

150000

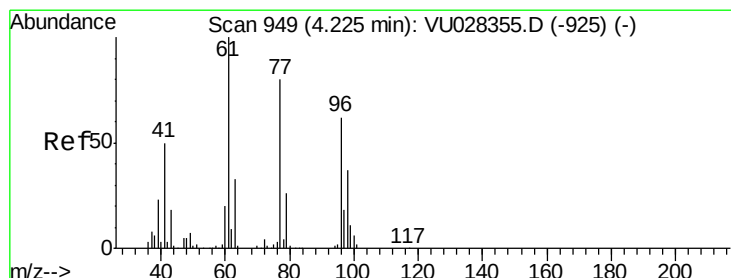
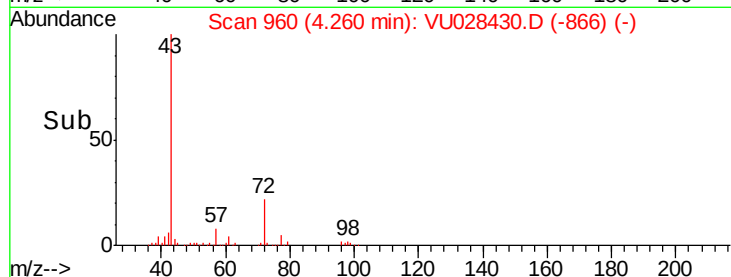
100000

50000

0

4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 19.080 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028430.D

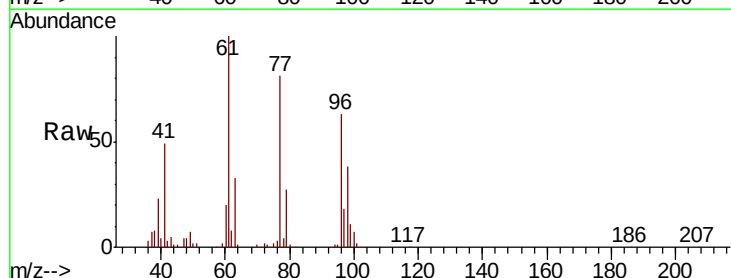
Acq: 03 Dec 2018 10:53

Tgt Ion: 77 Resp: 128262

Ion Ratio Lower Upper

77 100

97 21.8 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

50000

40000

30000

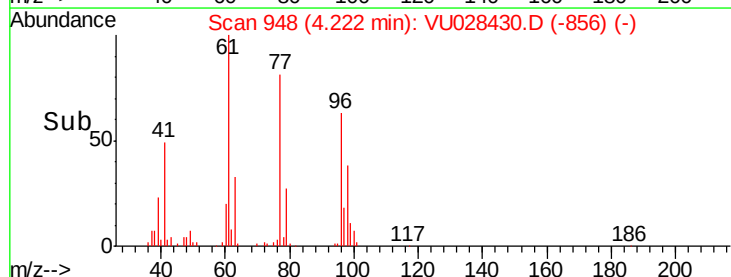
20000

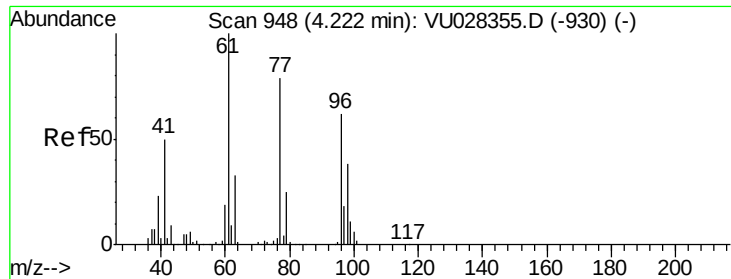
10000

0

4.10 4.20 4.30

Time-->





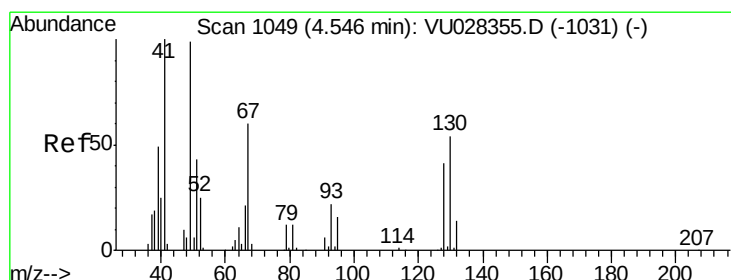
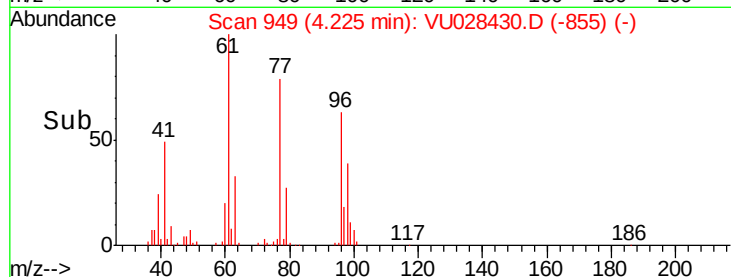
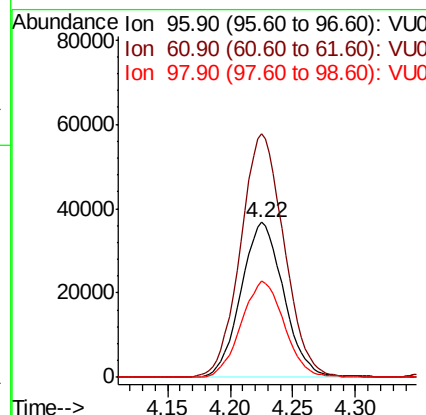
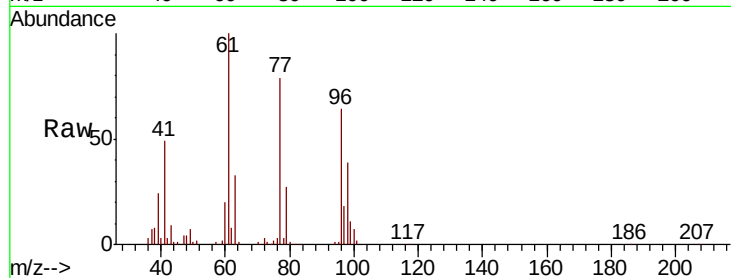
#27
 cis-1,2-Dichloroethene
 Concen: 18.976 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.2	0.0	342.0	
98	62.9	0.0	126.4	

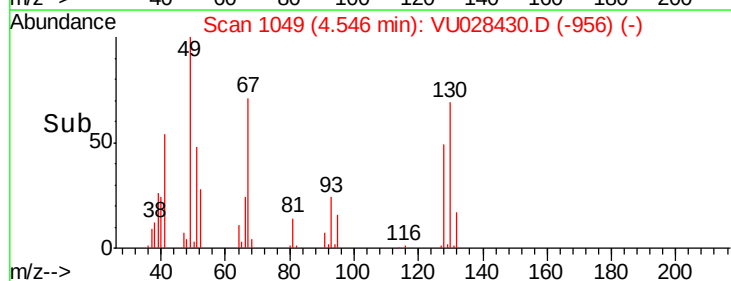
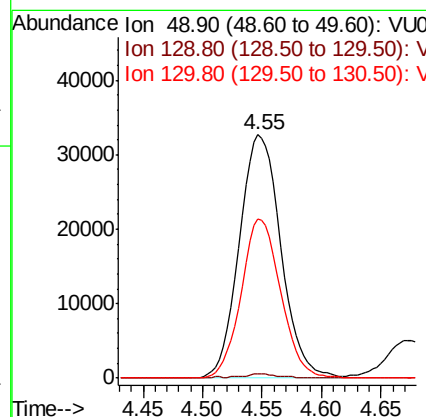
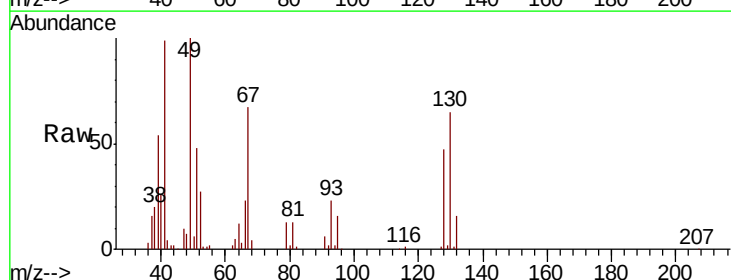
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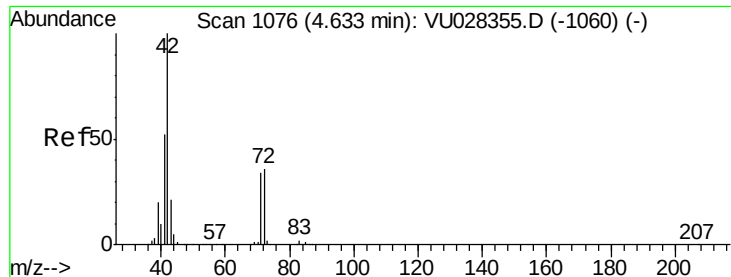
MMDadoda
 12/4/2018 11:18:28 AM



#28
 Bromochloromethane
 Concen: 18.689 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	2.6	
130	62.3	44.5	66.7	





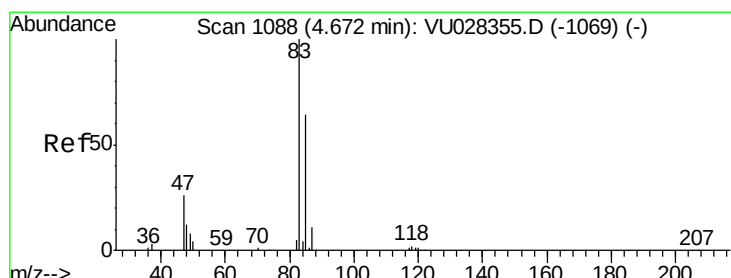
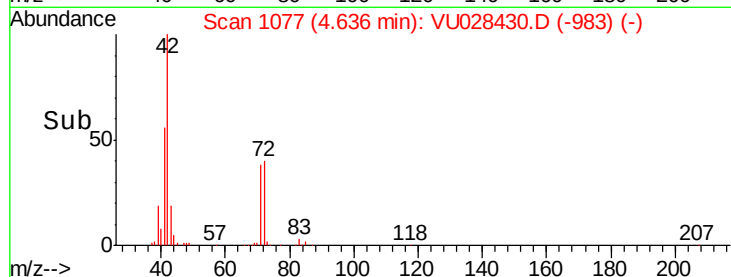
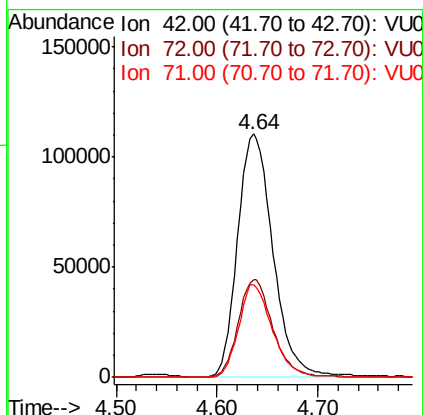
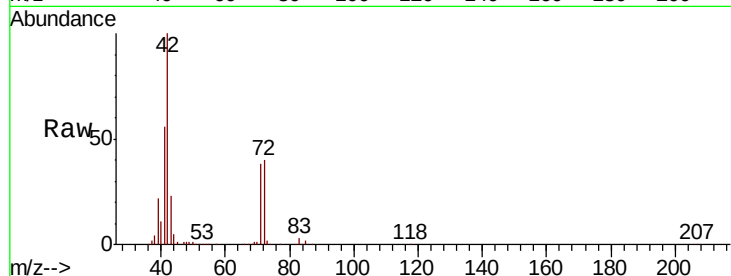
#29
Tetrahydrofuran
Concen: 89.825 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	29.5	44.3
71	36.5	27.7	41.5

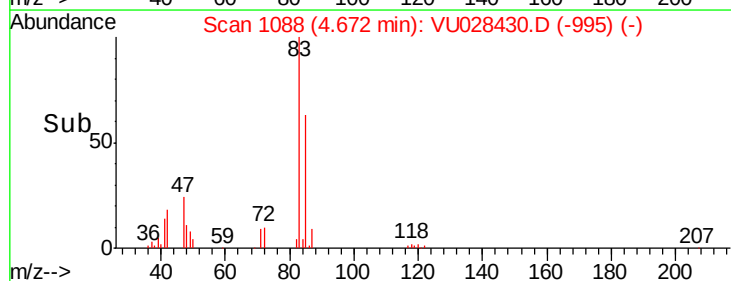
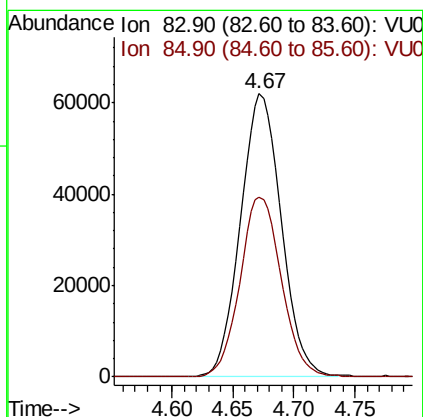
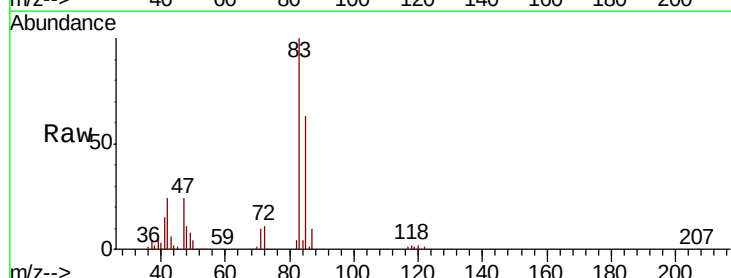
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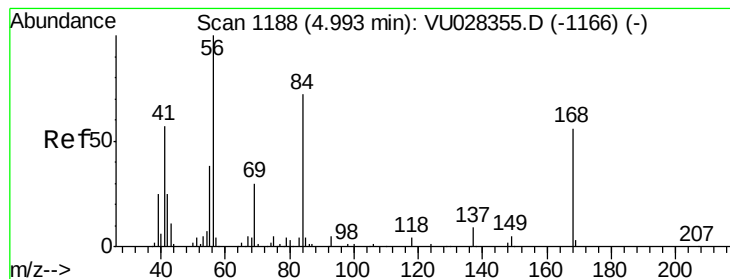
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12/4/2018 11:18:28 AM



#30
Chloroform
Concen: 18.391 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.2	76.8





#31

Cyclohexane

Concen: 17.818 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

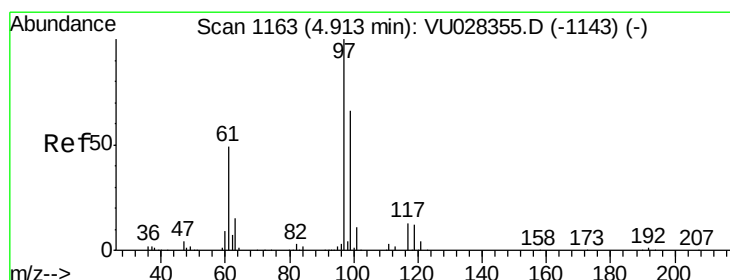
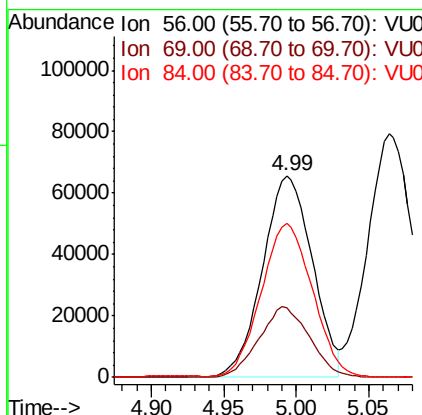
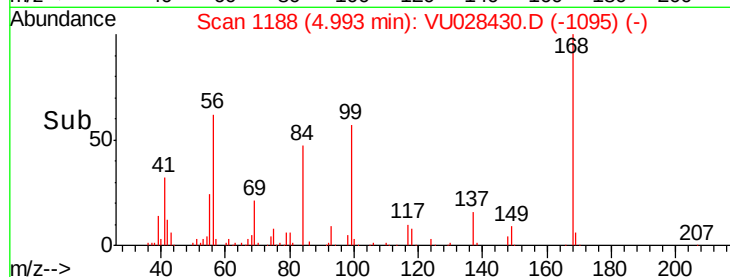
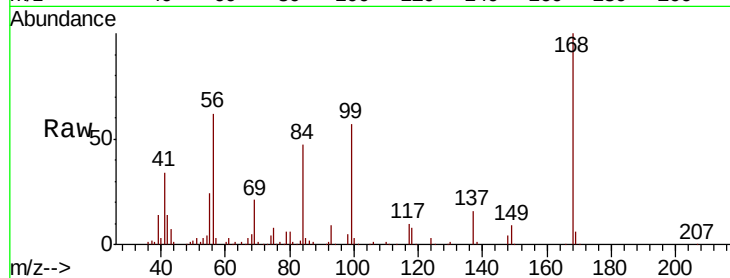
ClientSampleID :

VU1203WBS01

Tot Ion:	56	Resp:	156975
Ion Ratio	Lower	Upper	
56	100		
69	34.4	23.7	35.5
84	75.2	57.3	85.9

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#32

1,1,1-Trichloroethane

Concen: 18.911 ug/l

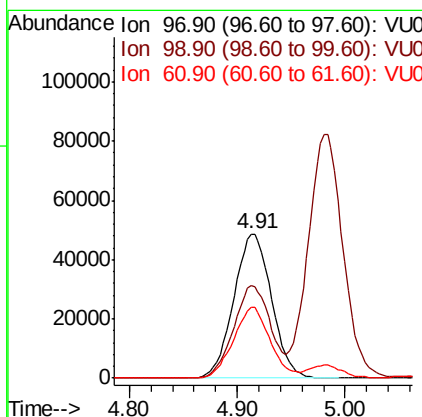
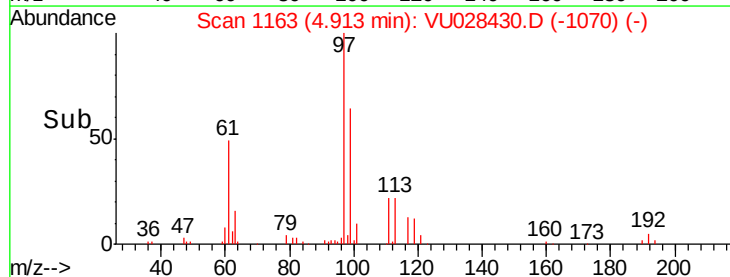
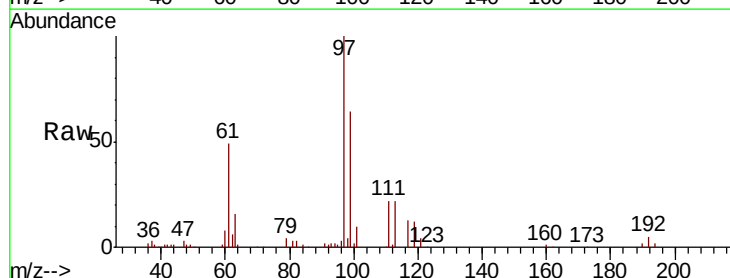
RT: 4.91 min Scan# 1163

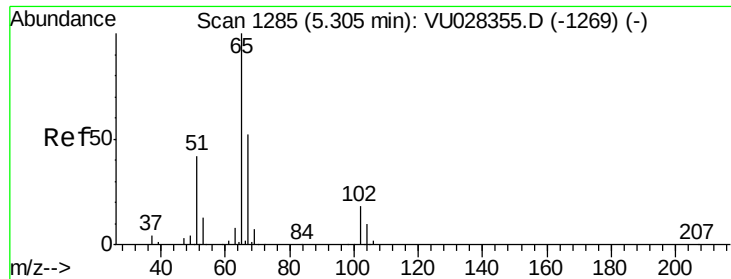
Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Tgt Ion:	97	Resp:	118554
Ion Ratio	Lower	Upper	
97	100		
99	63.0	50.8	76.2
61	47.9	39.1	58.7





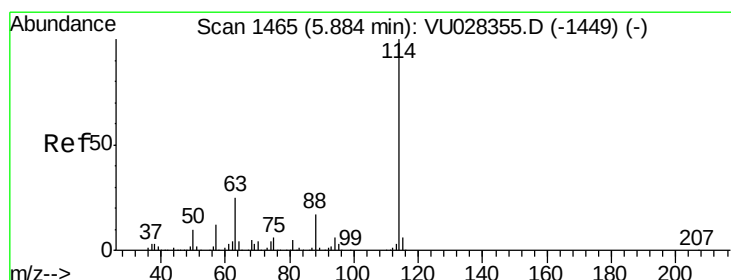
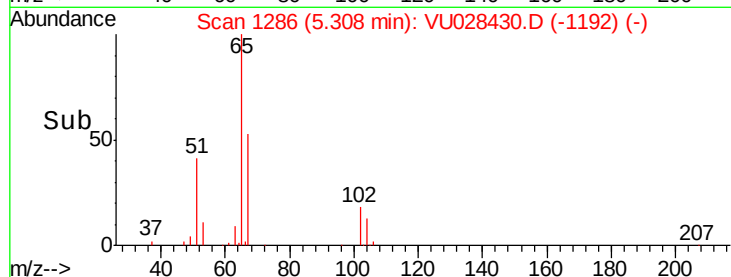
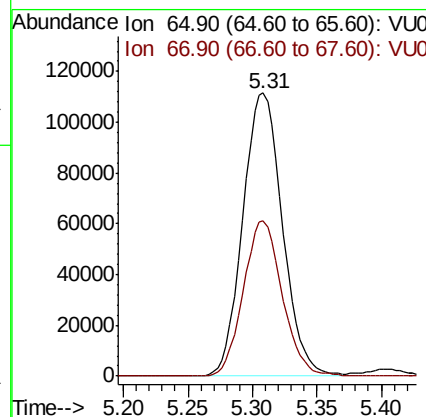
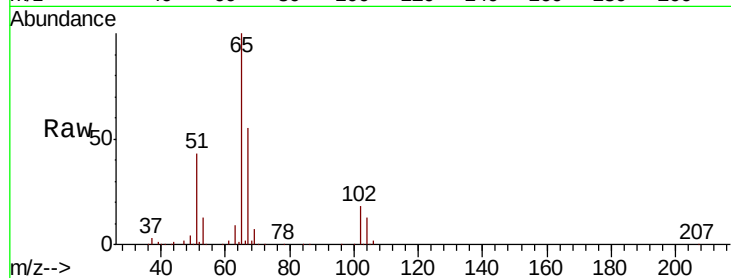
#33
 1,2-Dichloroethane-d4
 Concen: 45.719 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	238712		
67	53.9	0.0	106.8	

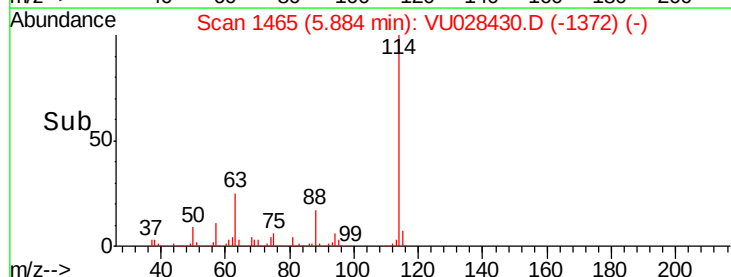
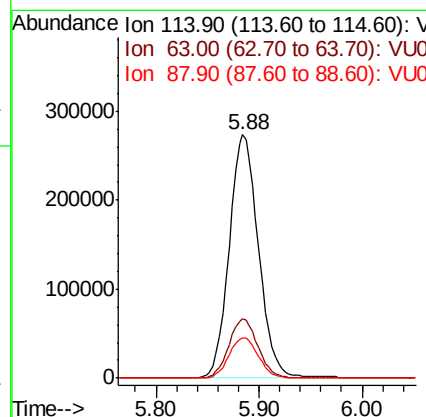
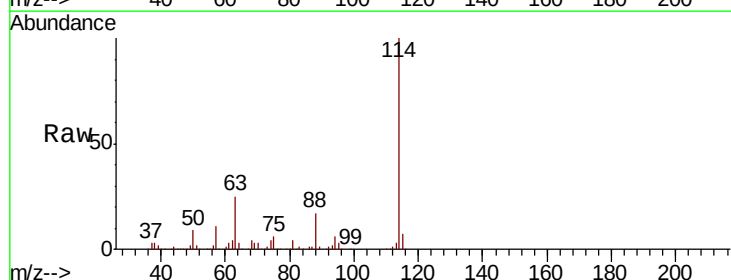
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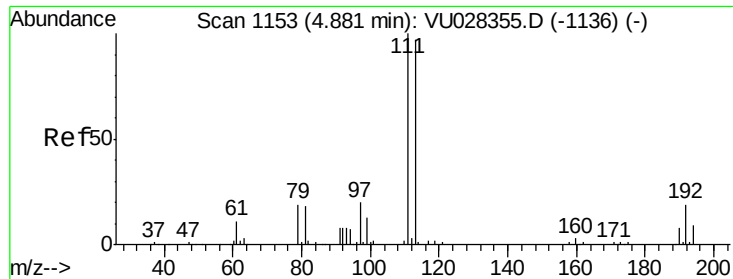
MMDadoda
 12/4/2018 11:18:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	540269		
63	24.6	0.0	50.0	
88	16.7	0.0	34.4	





#35

Dibromofluoromethane

Concen: 49.296 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

Tot Ion:113 Resp: 177098

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

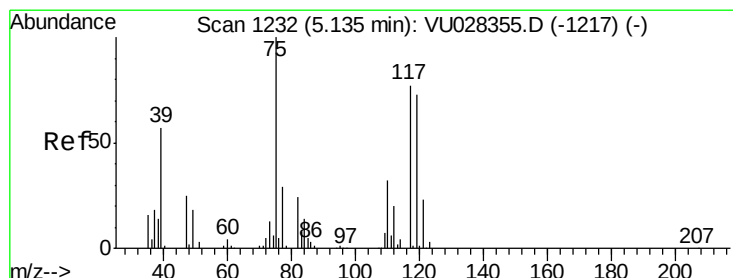
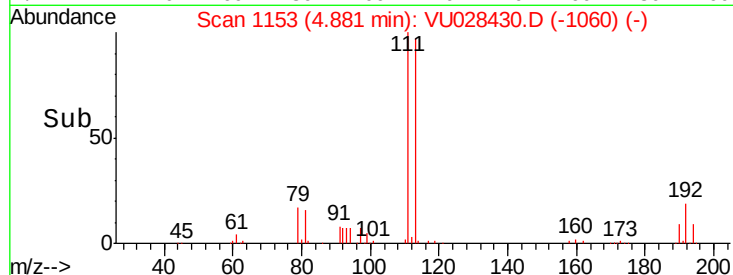
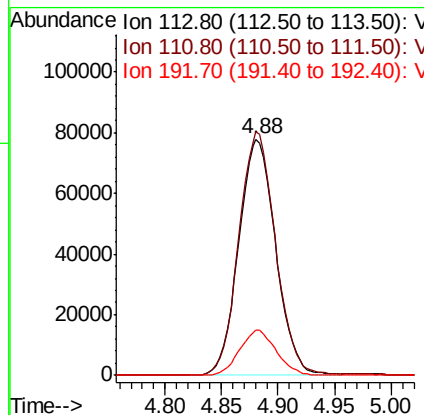
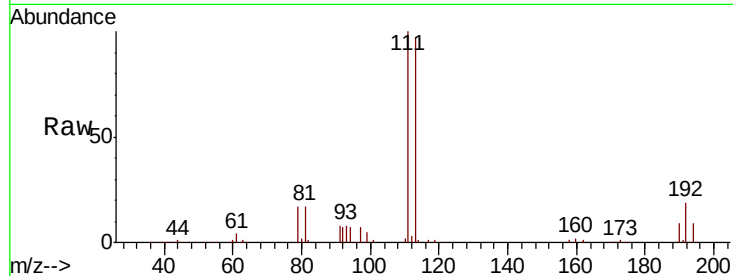
192 18.9 15.4 23.0

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 18.576 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

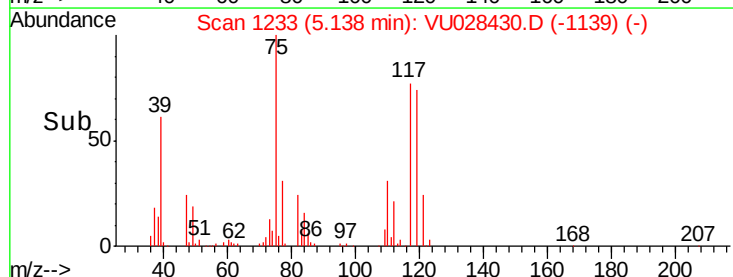
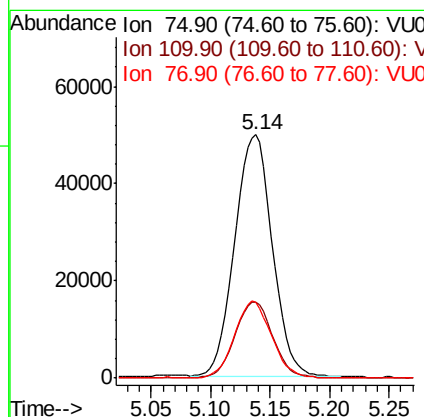
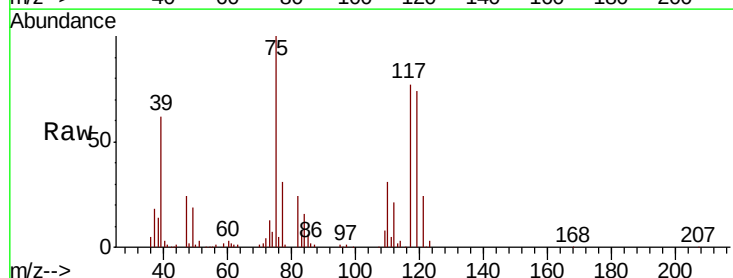
Tgt Ion: 75 Resp: 109824

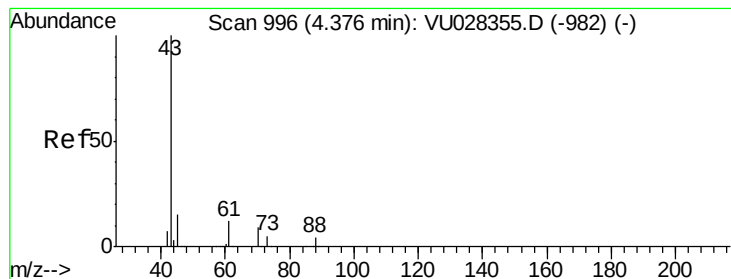
Ion Ratio Lower Upper

75 100

110 31.6 15.8 47.4

77 31.3 24.6 36.8





#37

Ethyl Acetate

Concen: 18.202 ug/l

RT: 4.38 min Scan# 997

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

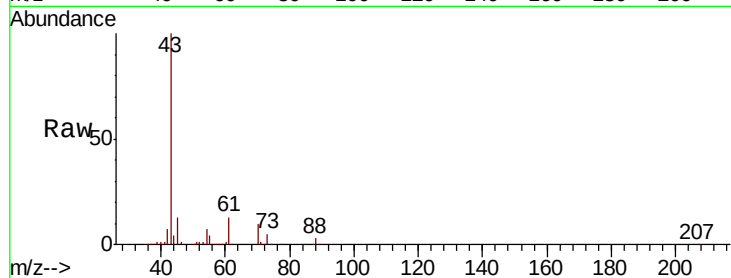
ClientSampleId :

VU1203WBS01

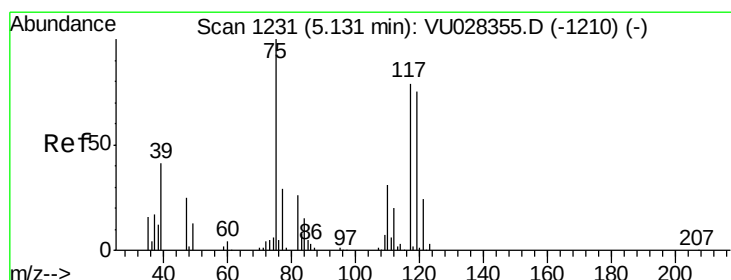
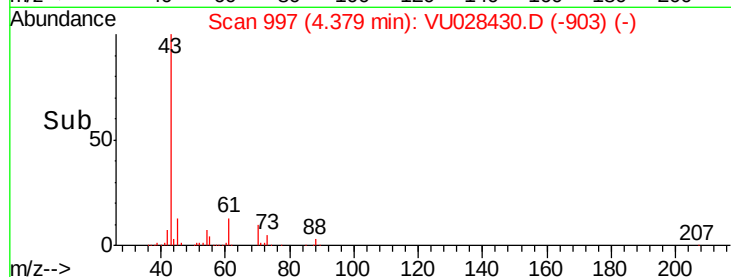
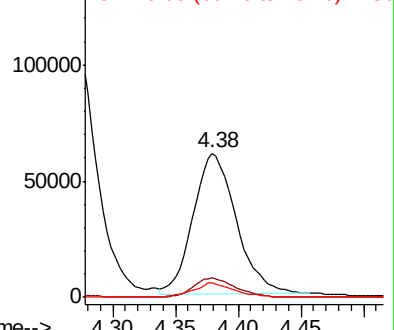
Tot Ion:	43	Resp:	146650
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.4
70	9.5	6.9	10.3

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Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-982) (-)



#38

Carbon Tetrachloride

Concen: 19.370 ug/l

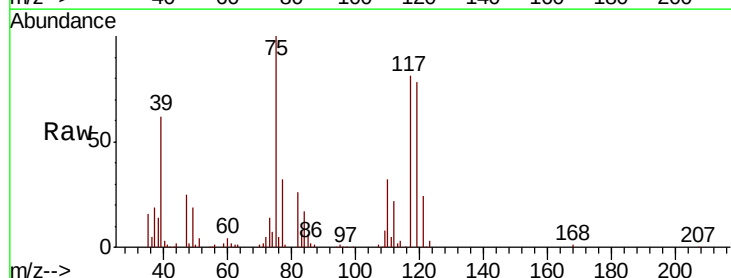
RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

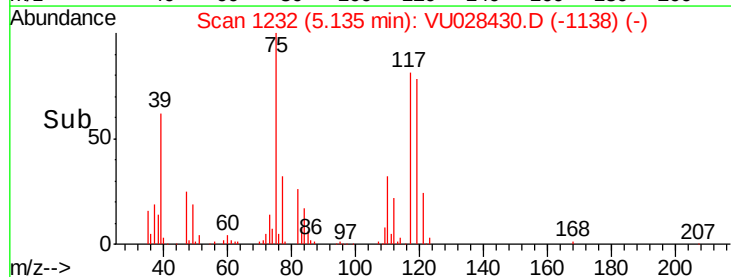
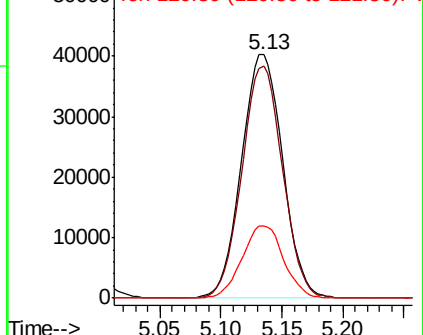
Lab File: VU028430.D

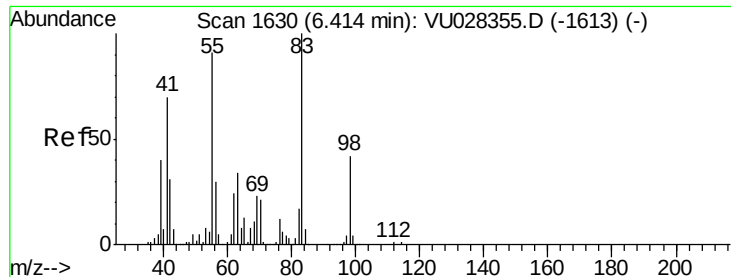
Acq: 03 Dec 2018 10:53

Tgt Ion:	117	Resp:	94040
Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.3	114.5
121	29.9	24.7	37.1



Abundance Ion 116.80 (116.50 to 117.50): VU028355.D (-1210) (-)





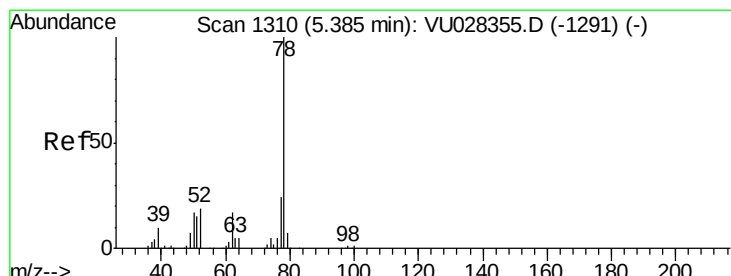
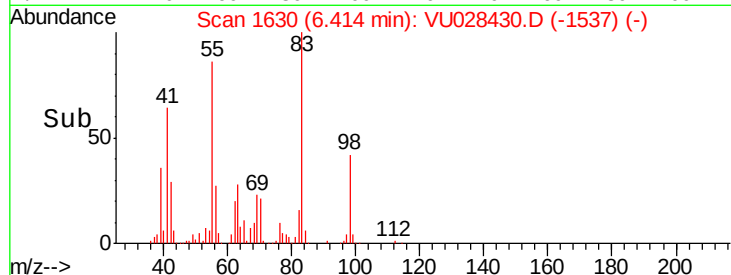
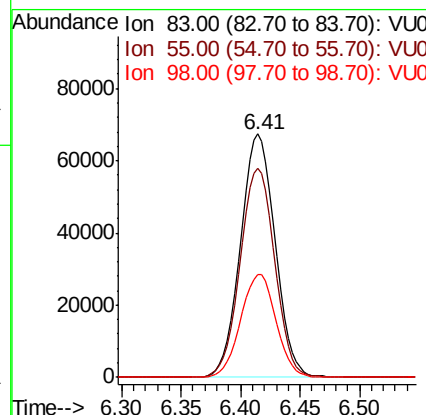
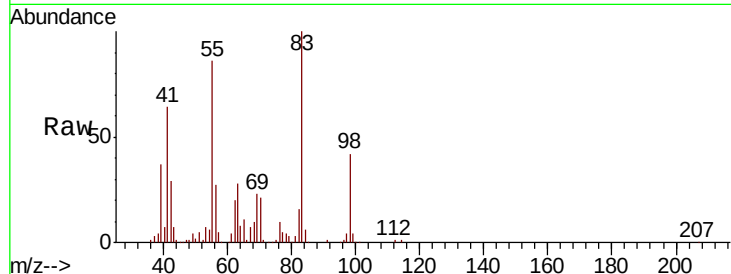
#39
Methylvlcyclohexane
Concen: 19.551 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.8	73.1	109.7
98	42.3	33.9	50.9

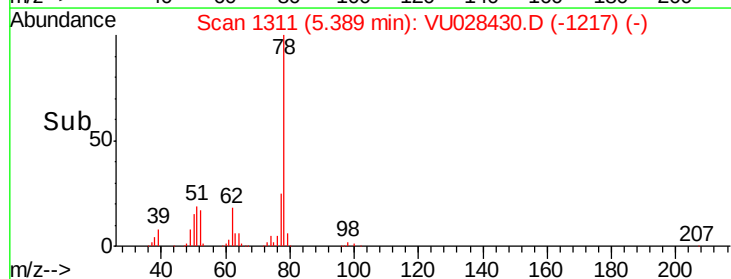
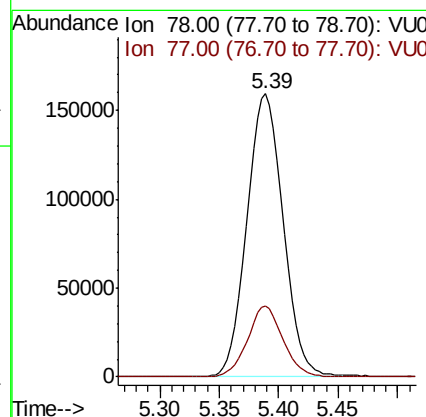
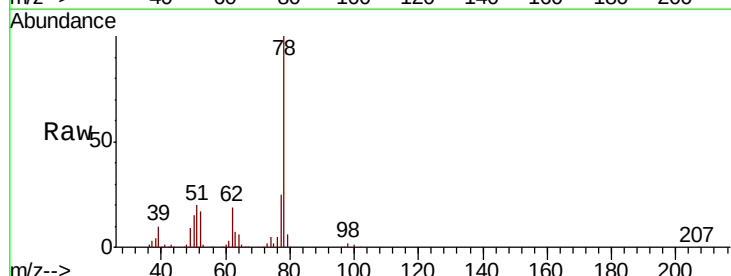
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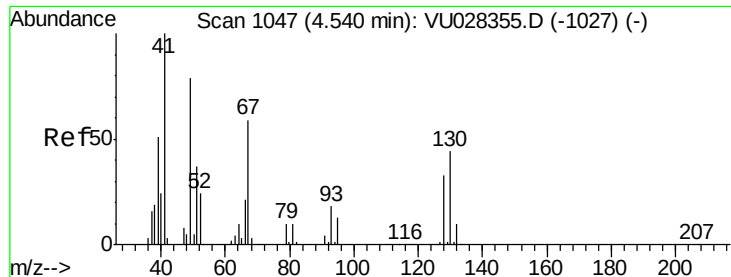
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#40
Benzene
Concen: 19.237 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.0	28.6





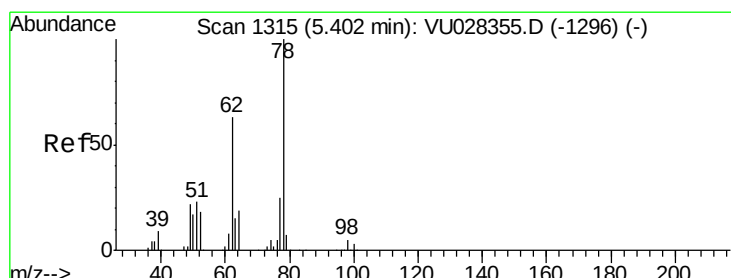
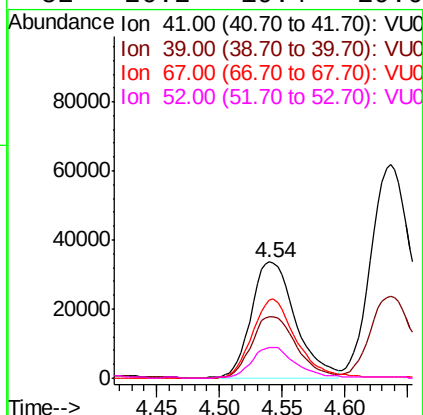
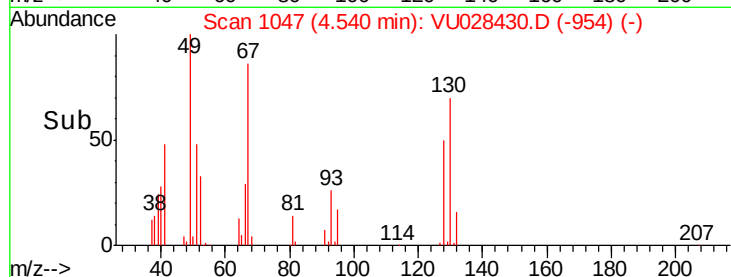
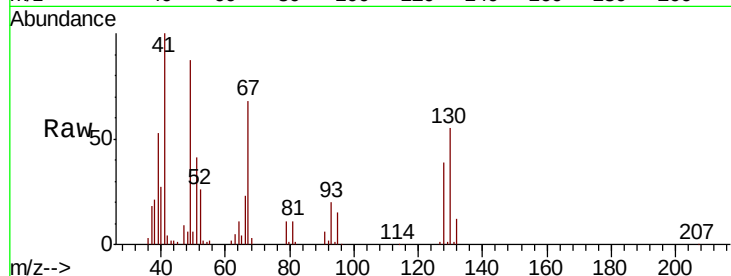
#41
Methacrylonitrile
Concen: 18.359 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	41.3	61.9	
67	68.1	48.6	73.0	
52	26.2	19.4	29.0	

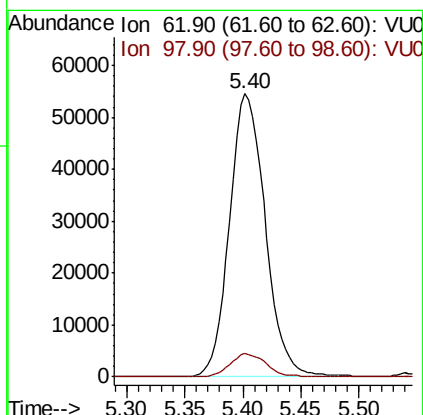
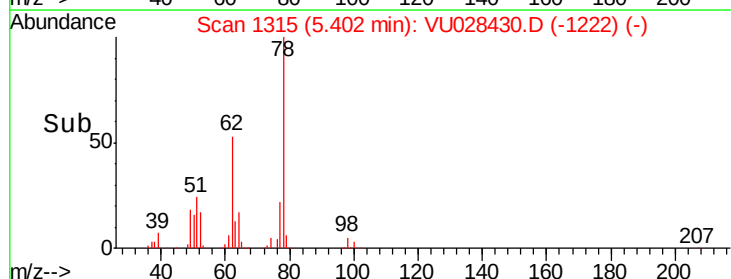
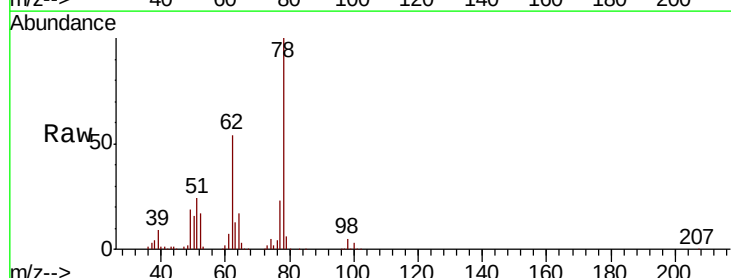
Manual Integrations
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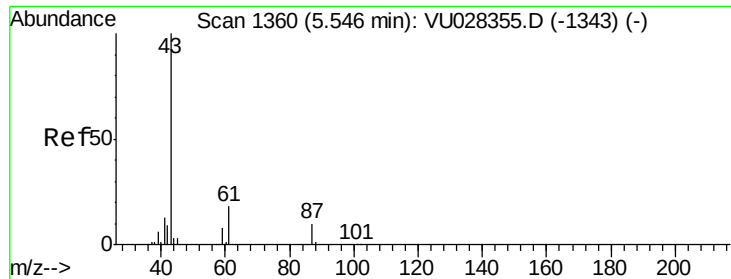
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.535 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	15.4	





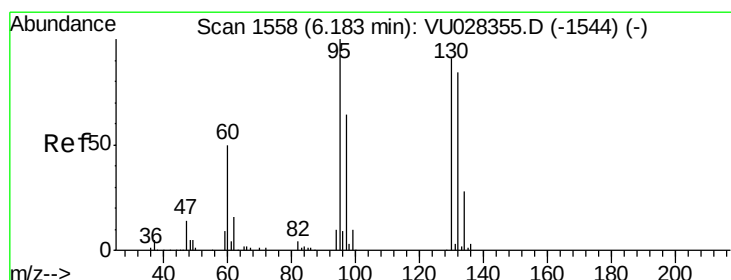
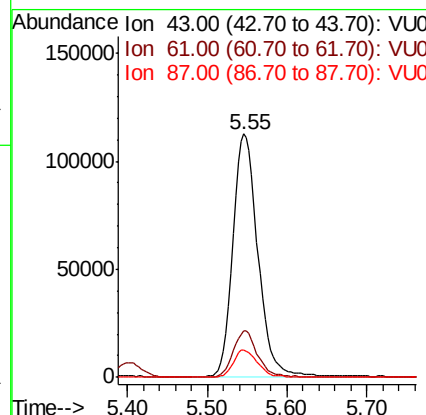
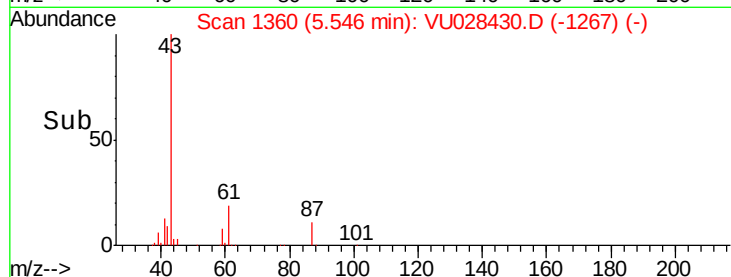
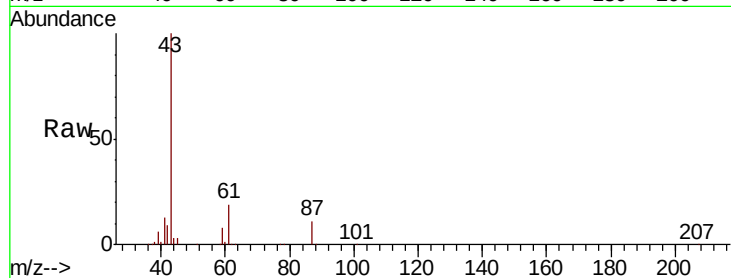
#43
Isopropyl Acetate
Concen: 18.829 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.5	21.7
87	11.0	8.4	12.6

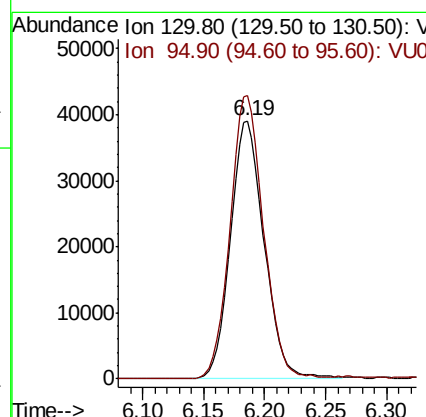
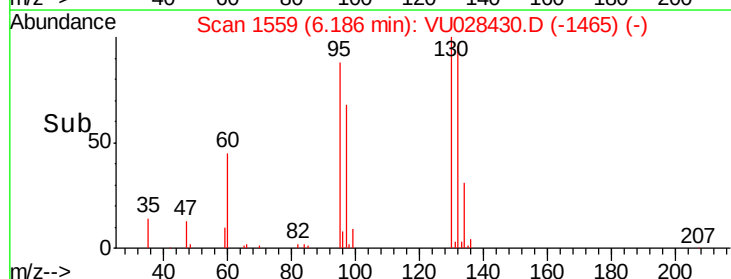
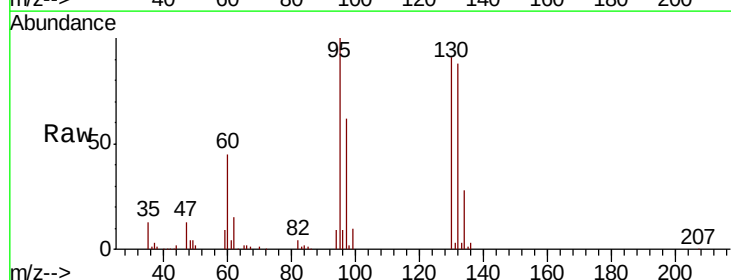
Manual Integrations
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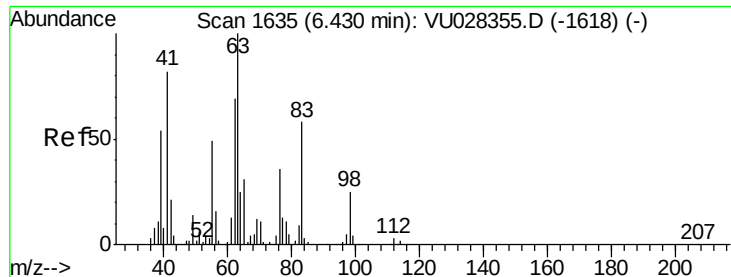
MMDadoda
12/4/2018 11:18:28 AM



#44
Trichloroethene
Concen: 20.083 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	219.8





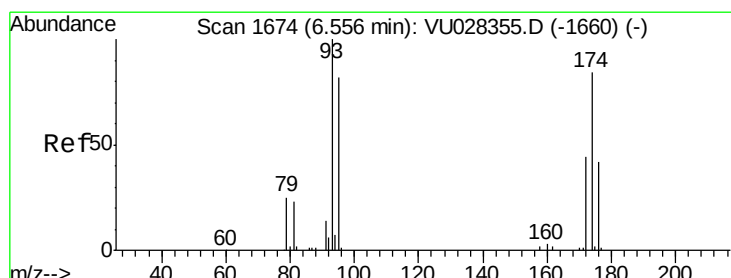
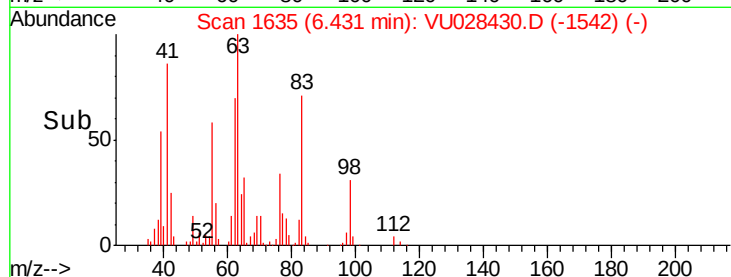
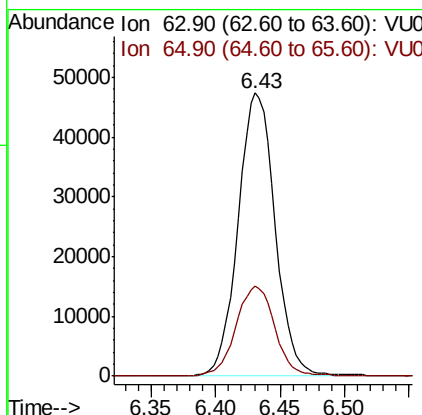
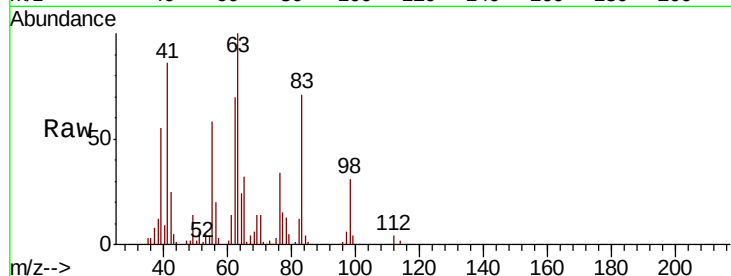
#45
 1,2-Dichloropropane
 Concen: 18.455 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion: 63 Resp: 94632
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.1 37.7

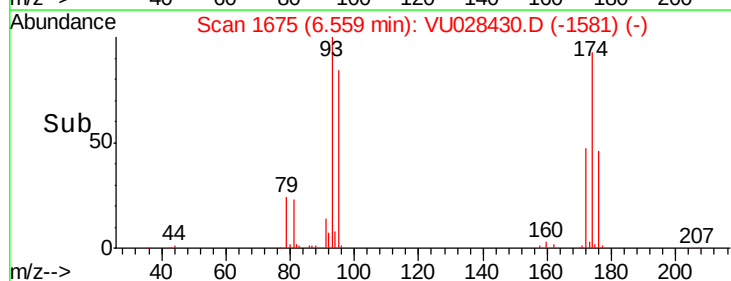
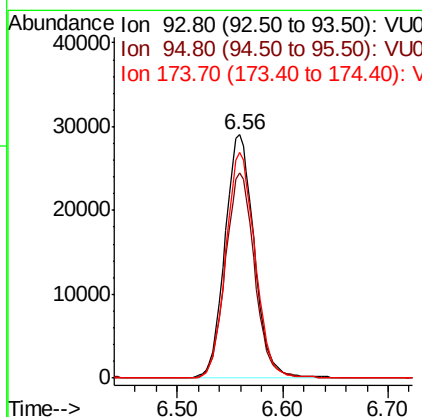
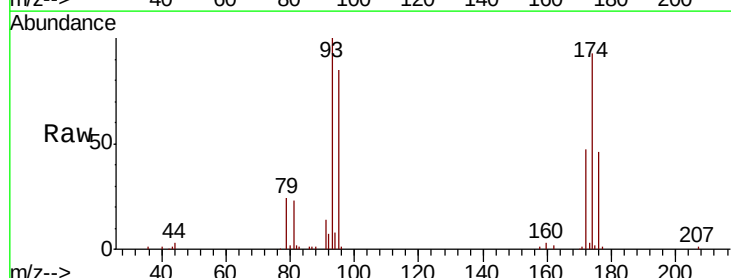
Manual Integrations
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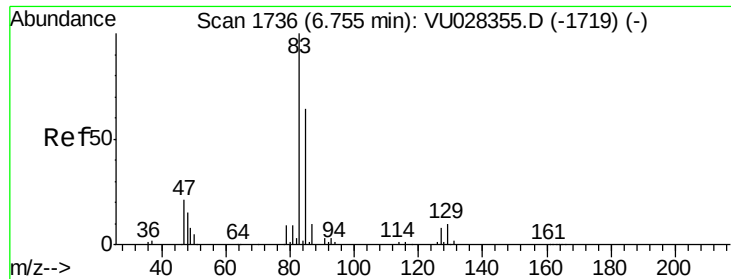
MMDadoda
 12/4/2018 11:18:28 AM



#46
 Dibromomethane
 Concen: 18.910 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion: 93 Resp: 55696
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.1 97.7
 174 92.3 69.9 104.9





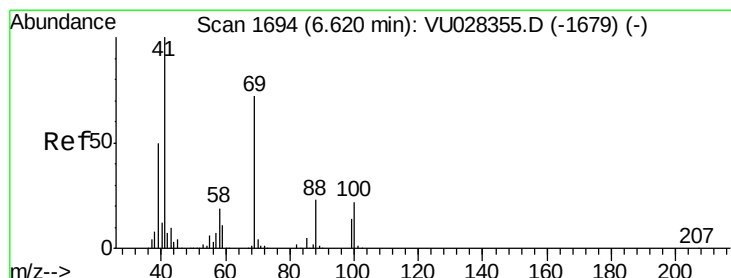
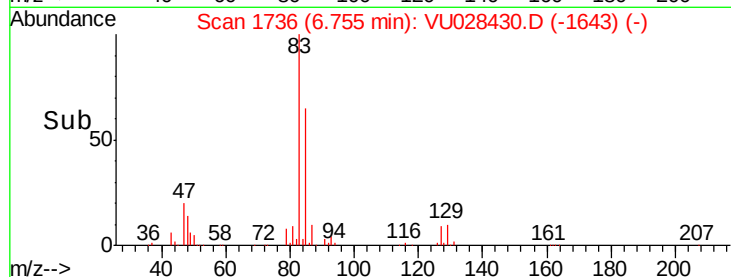
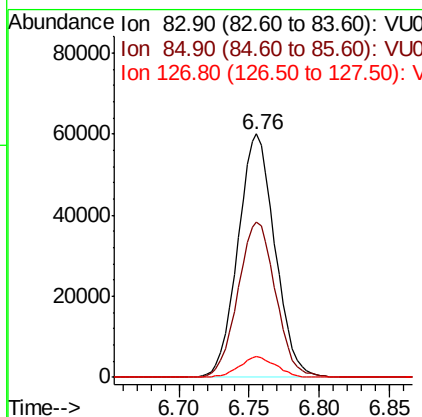
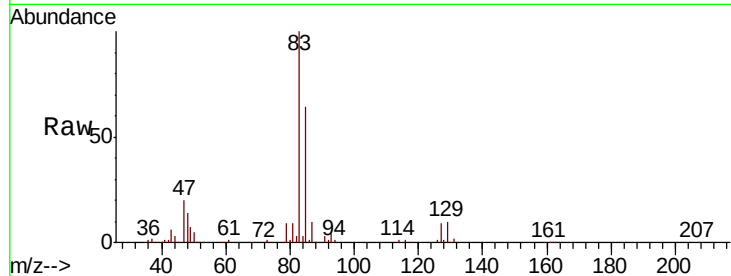
#47
Bromodichloromethane
Concen: 18.838 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion	83	Resp	110364
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	50.9	76.3
127	8.5	6.2	9.4

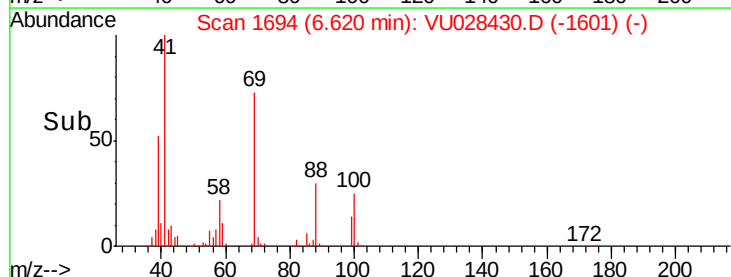
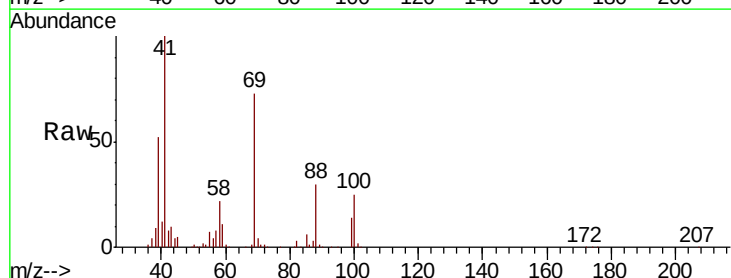
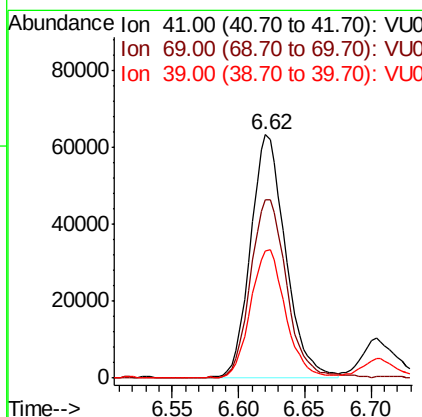
Manual Integrations
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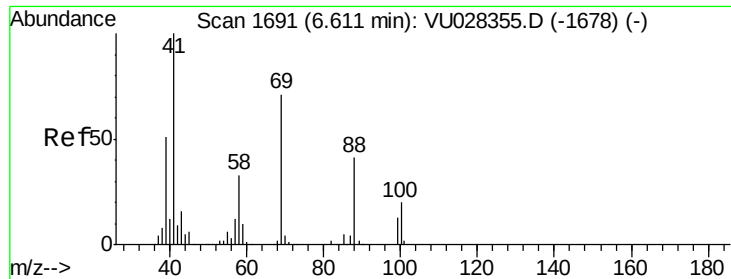
MMDadoda
12/4/2018 11:18:28 AM



#48
Methyl methacrylate
Concen: 17.619 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion	41	Resp	117176
Ion Ratio	100	Lower	Upper
41	100		
69	75.9	59.0	88.4
39	52.7	40.5	60.7





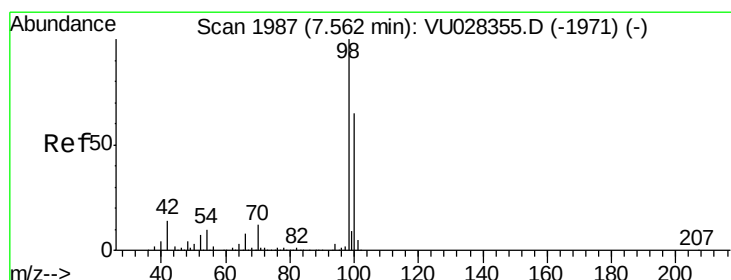
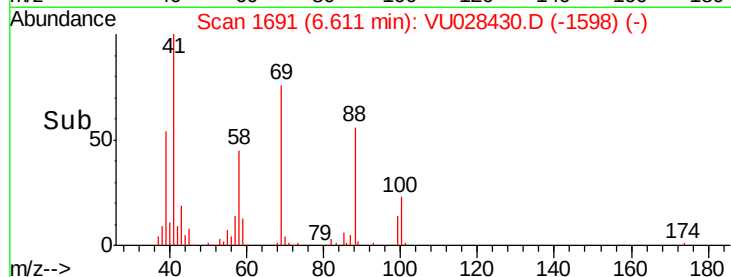
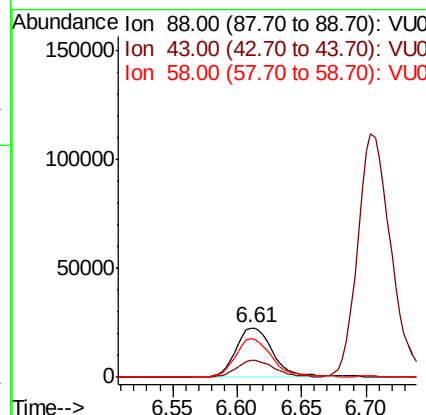
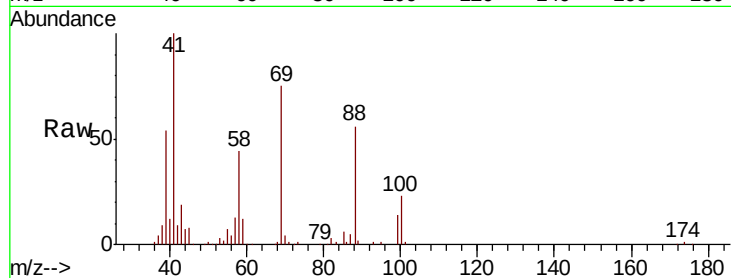
#49
1,4-Dioxane
Concen: 425.665 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	32.6	48.8
58	79.3	68.7	103.1

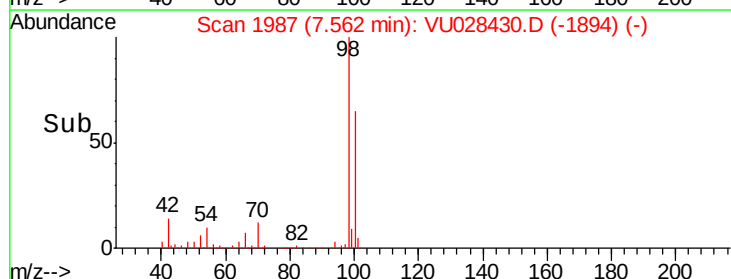
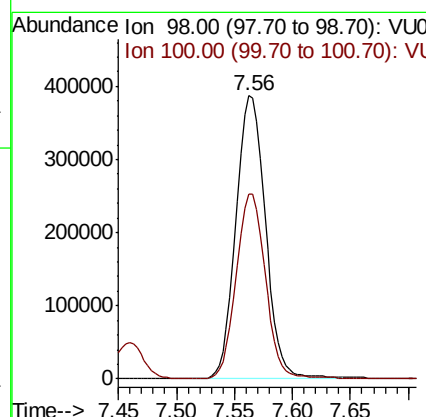
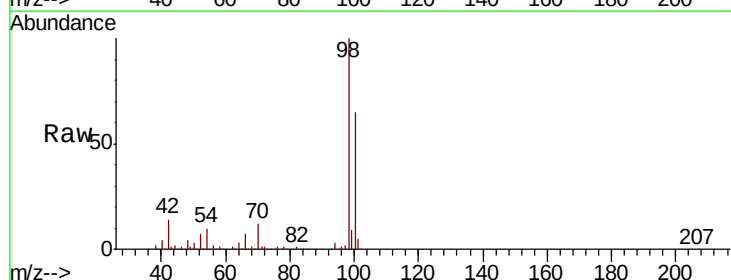
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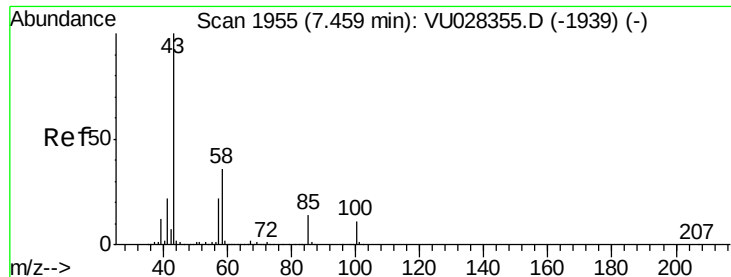
MMDadoda
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#50
Toluene-d8
Concen: 47.540 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.8	76.2





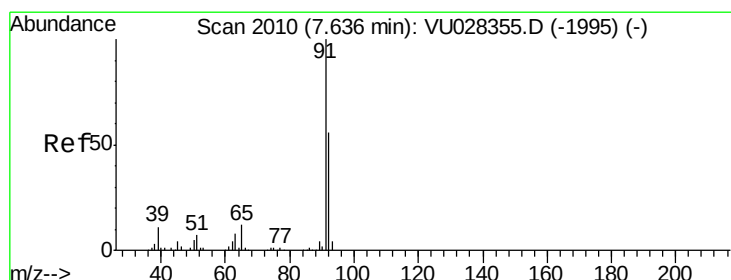
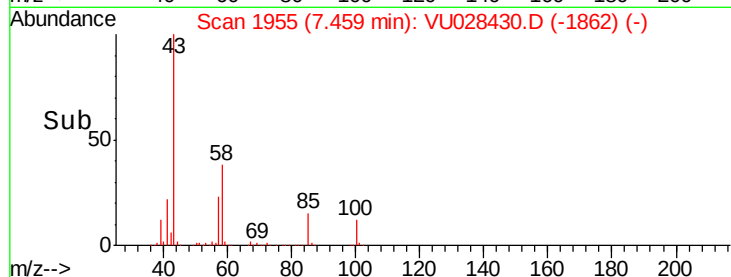
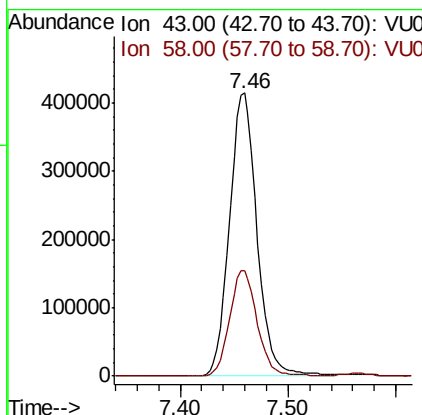
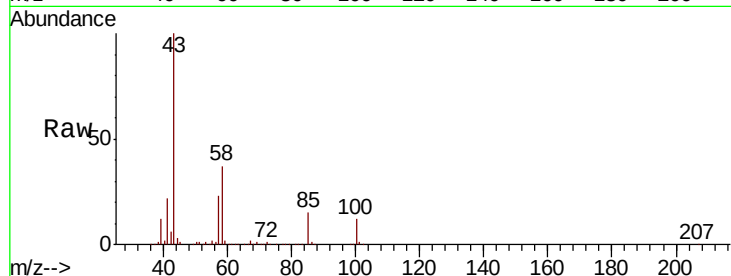
#51
4-Methyl-2-Pentanone
Concen: 90.387 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.4	28.8	43.2

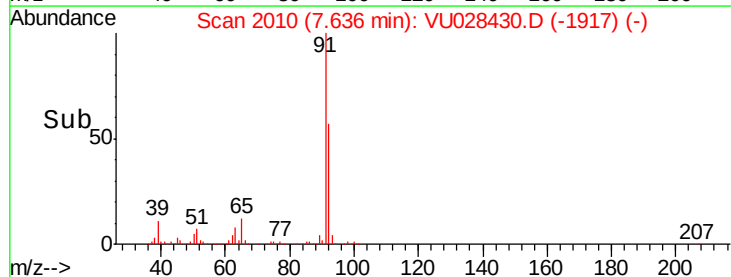
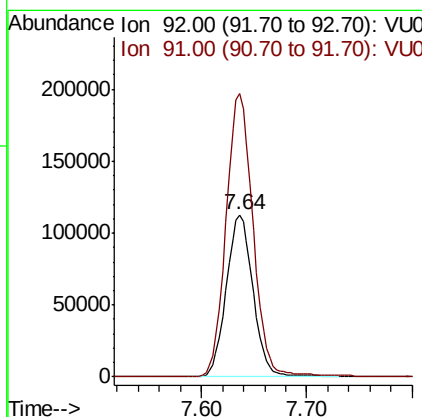
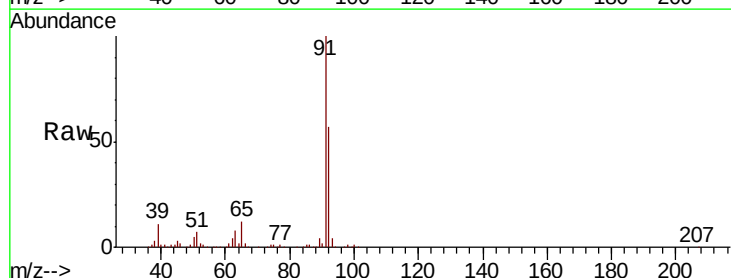
Manual Integrations
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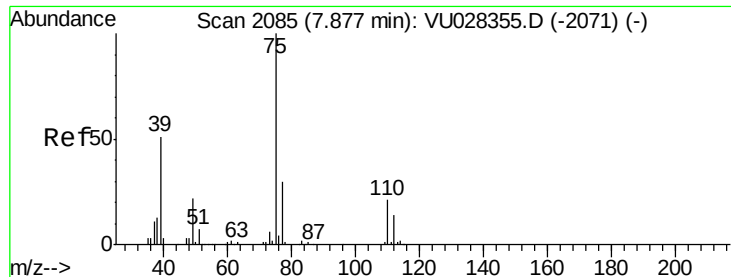
MMDadoda
12/4/2018 11:18:28 AM



#52
Toluene
Concen: 19.618 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.8	141.8	212.6





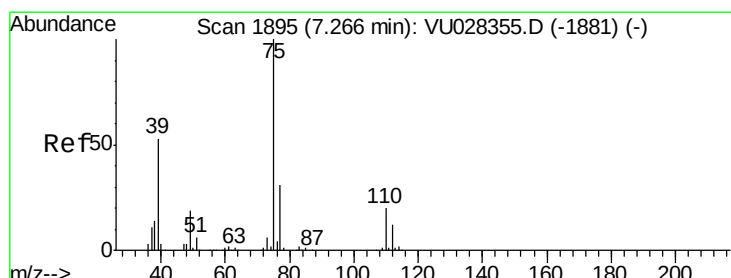
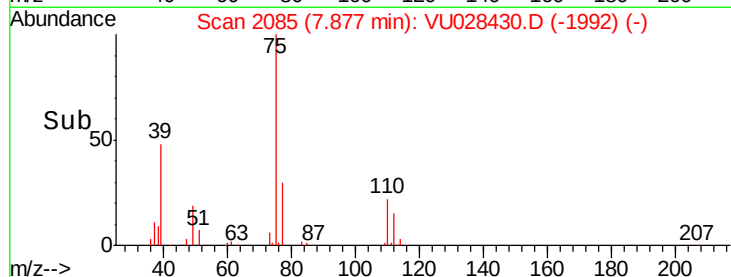
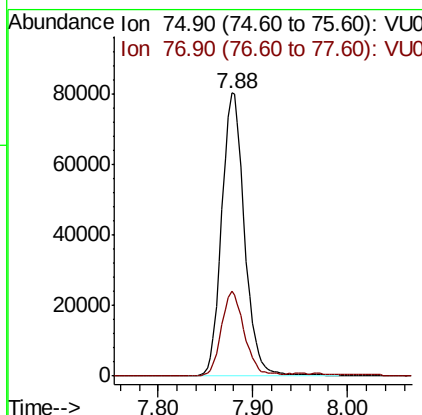
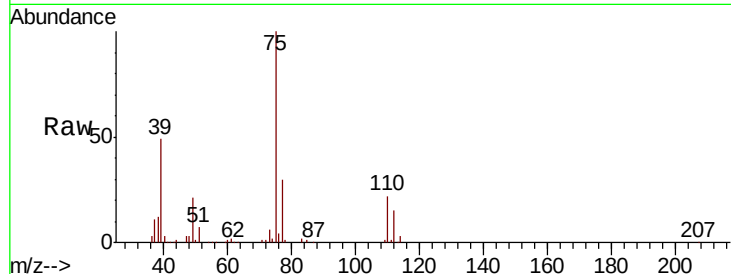
#53
t-1,3-Dichloropropene
Concen: 19.295 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.8	24.1	36.1

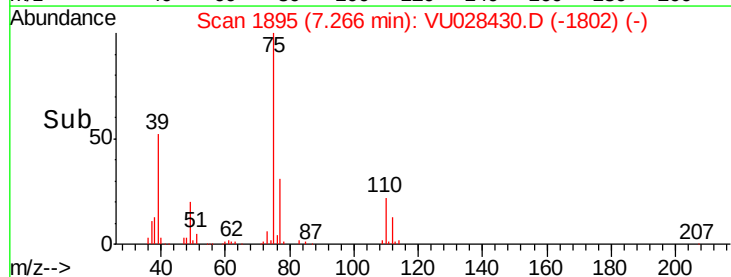
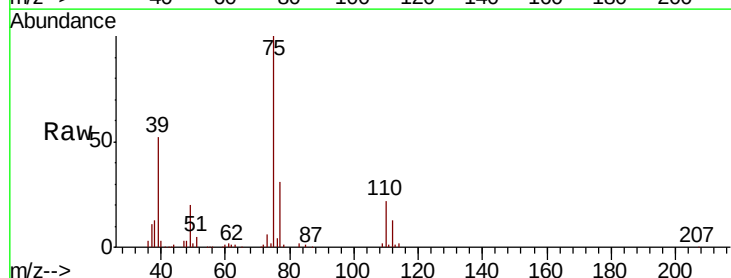
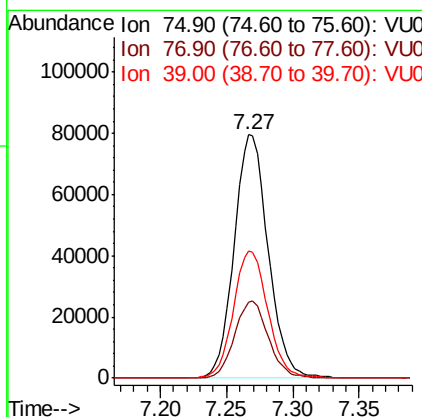
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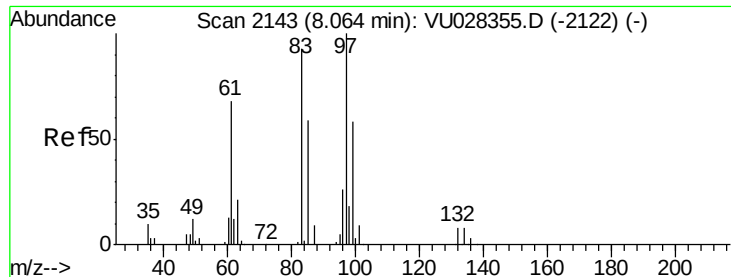
MMDadoda
12/4/2018 11:18:28 AM



#54
cis-1,3-Dichloropropene
Concen: 18.883 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.9	37.3
39	52.1	42.6	64.0





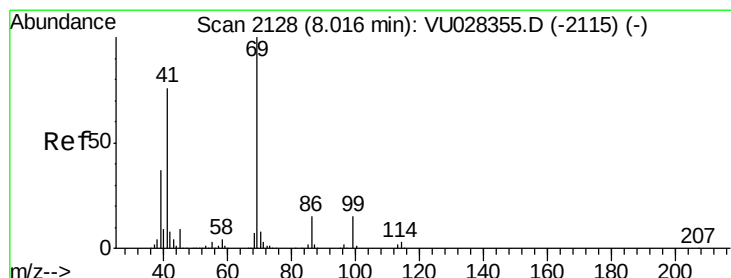
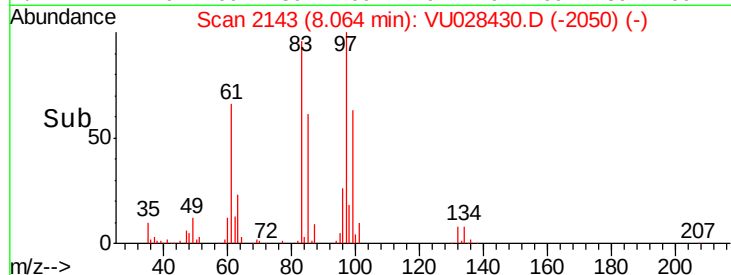
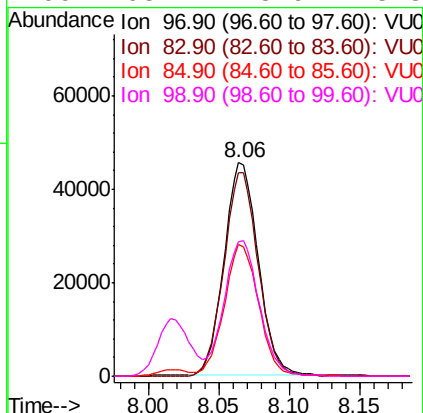
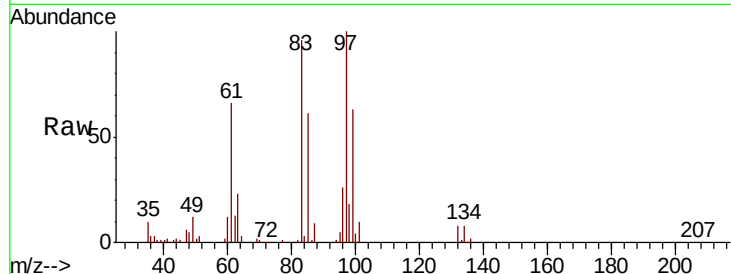
#55
 1,1,2-Trichloroethane
 Concen: 18.412 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion:	97	Resp:	77267
Ion	Ratio	Lower	Upper
97	100		
83	95.6	74.3	111.5
85	61.3	47.2	70.8
99	63.1	48.9	73.3

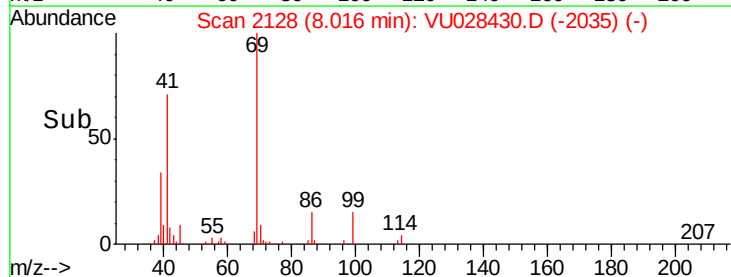
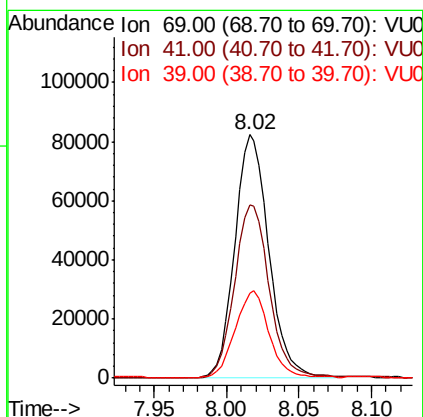
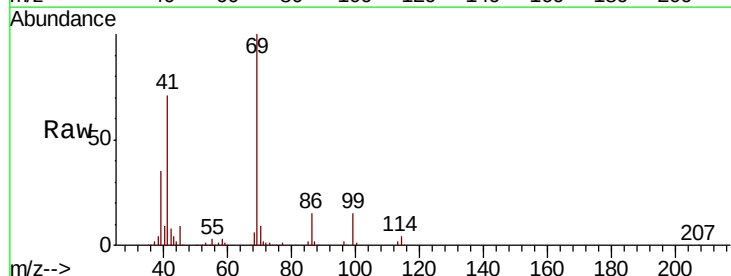
Manual Integrations
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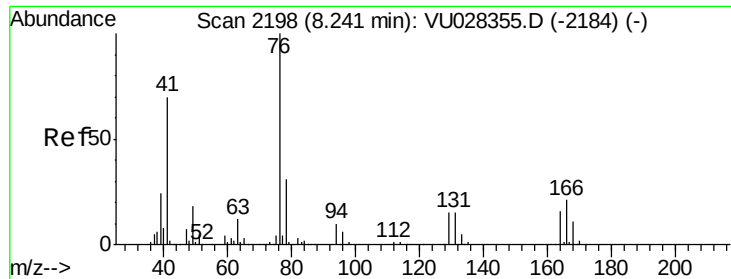
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 12/4/2018 11:18:28 AM



#56
 Ethyl methacrylate
 Concen: 18.861 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion:	69	Resp:	134650
Ion	Ratio	Lower	Upper
69	100		
41	73.1	60.0	90.0
39	35.3	29.0	43.6





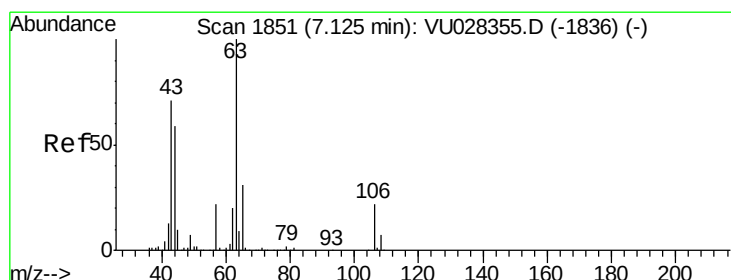
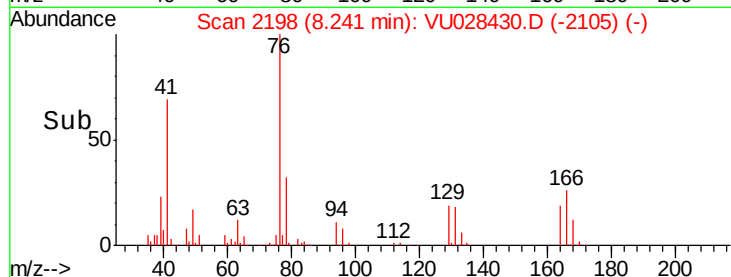
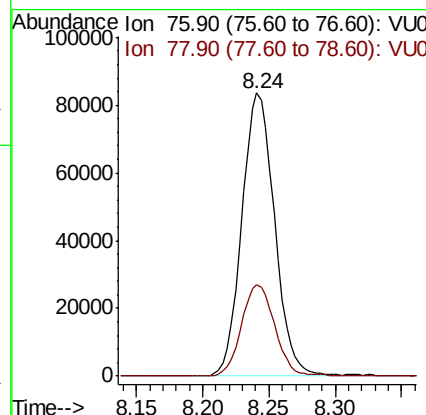
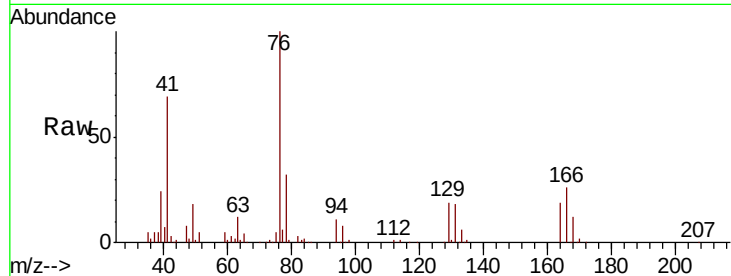
#57
 1,3-Dichloropropane
 Concen: 18.627 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion: 76 Resp: 143346
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.4 38.0

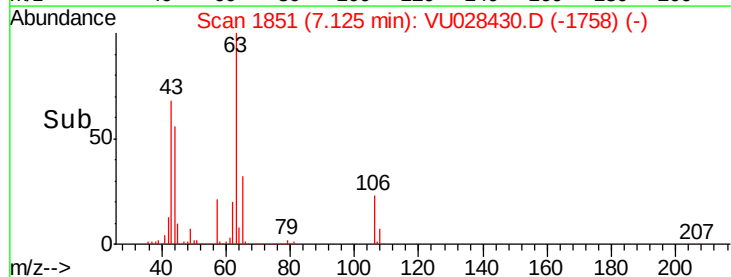
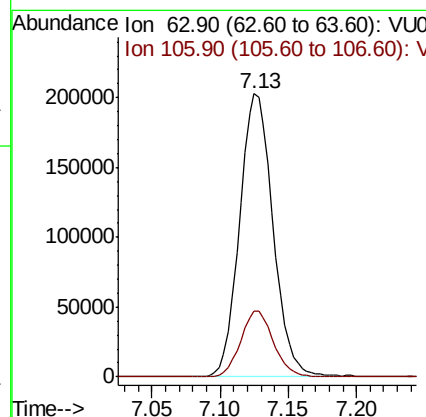
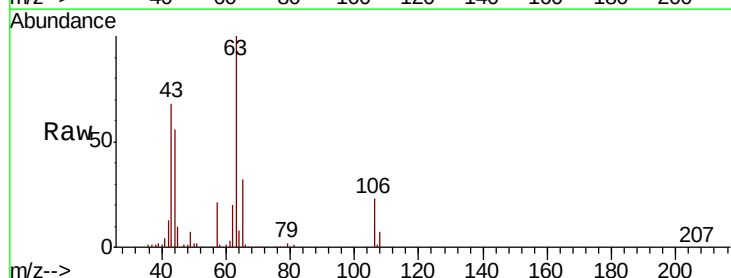
Manual Integrations
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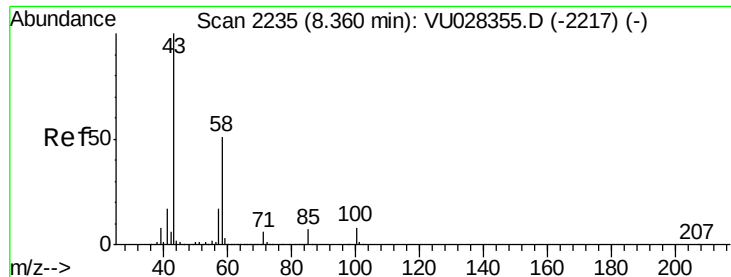
MMDadoda
 12/4/2018 11:18:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.815 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion: 63 Resp: 344253
 Ion Ratio Lower Upper
 63 100
 106 22.8 17.3 25.9





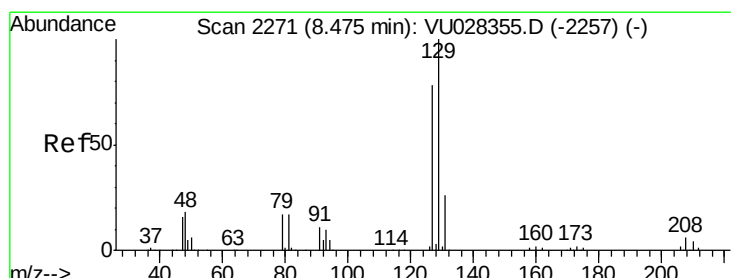
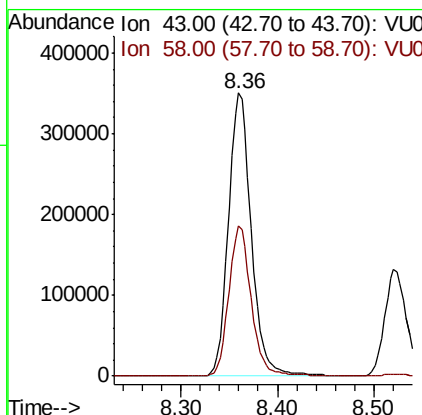
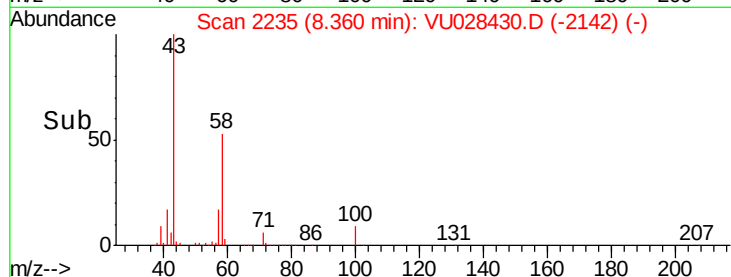
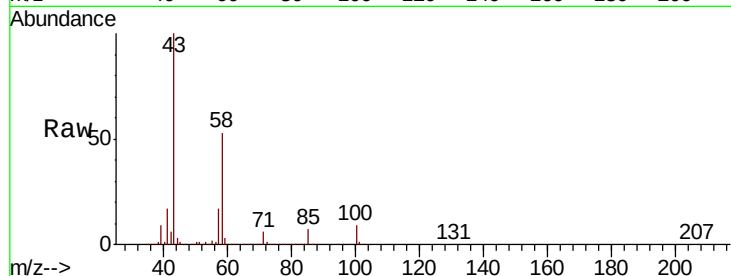
#59
2-Hexanone
Concen: 90.837 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.5	76.5

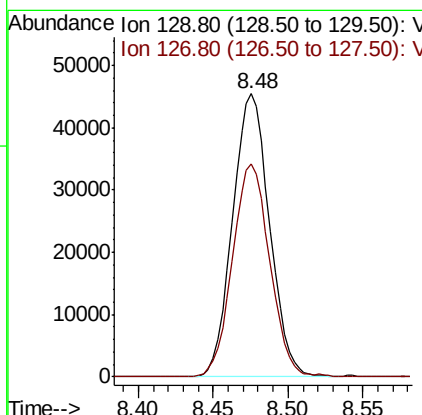
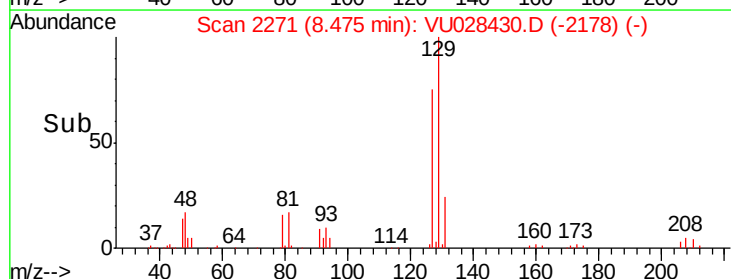
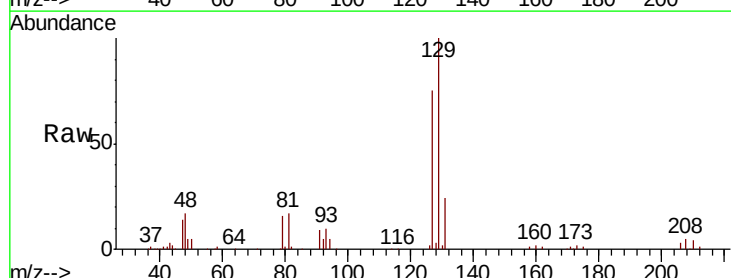
Manual Integrations
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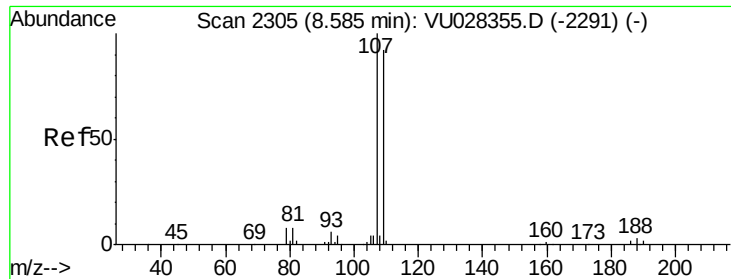
MMDadoda
12/4/2018 11:18:28 AM



#60
Dibromochloromethane
Concen: 19.573 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.9	116.7





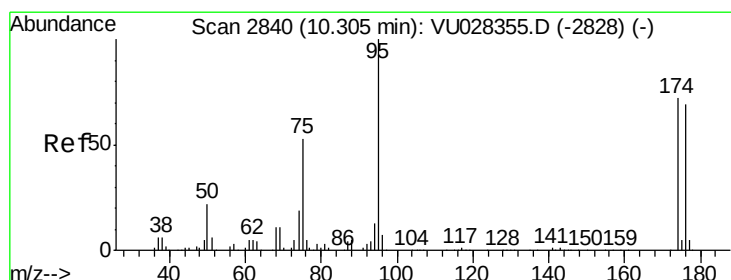
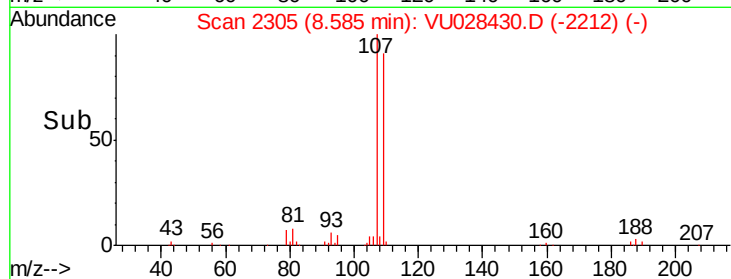
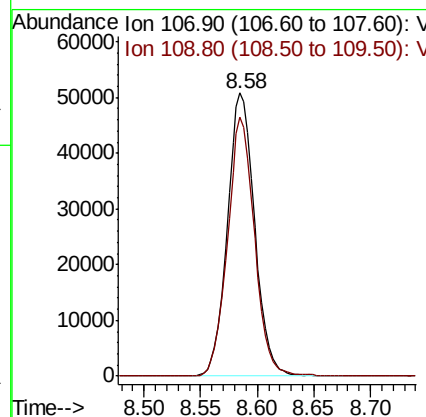
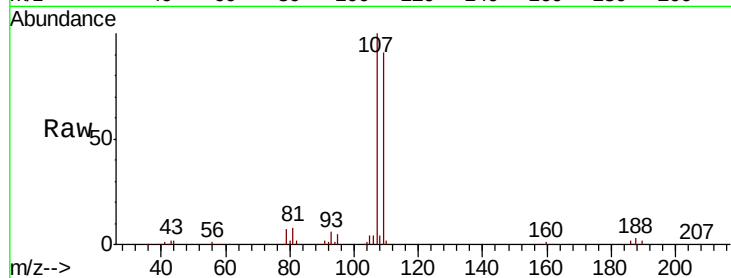
#61
 1,2-Dibromoethane
 Concen: 19.822 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.5	73.2	109.8

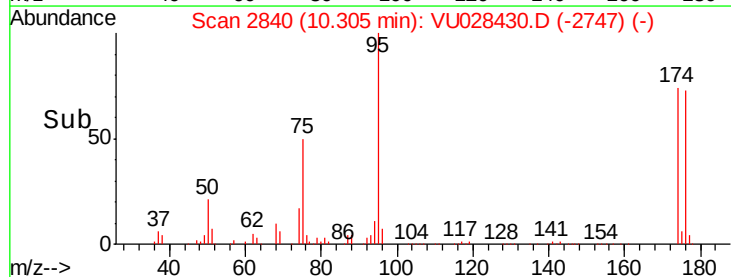
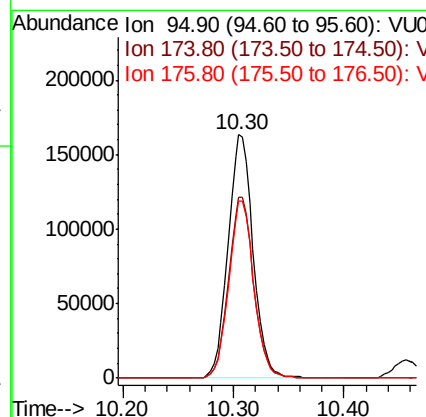
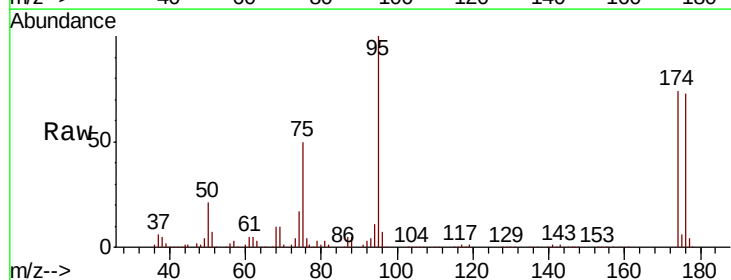
Manual Integrations
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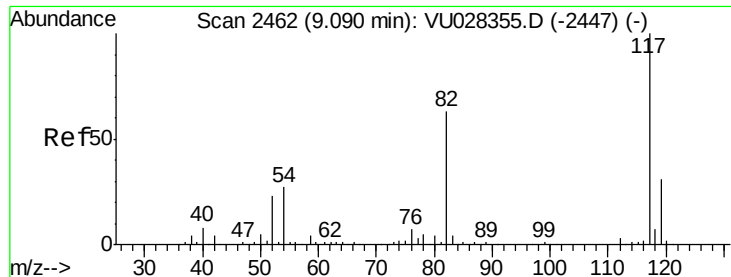
MMDadoda
 12/4/2018 11:18:28 AM



#62
 4-Bromofluorobenzene
 Concen: 49.665 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	145.4
176	72.7	0.0	140.8





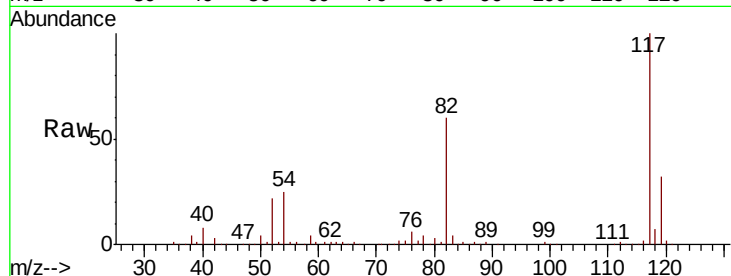
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	50.3	75.5
119	32.2	24.8	37.2

Manual Integrations
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MMDadoda
12/4/2018 11:18:28 AM

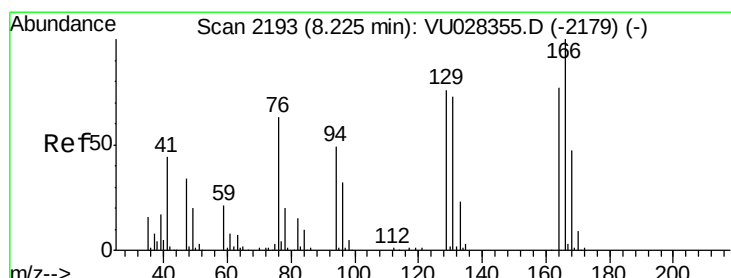
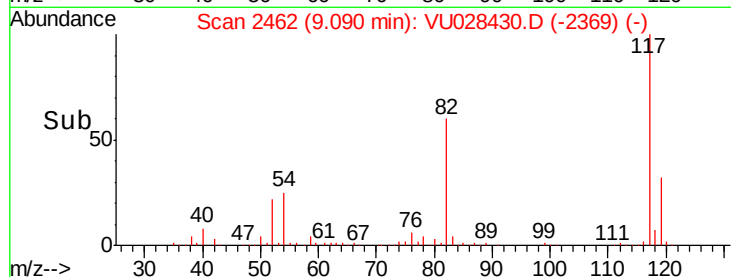
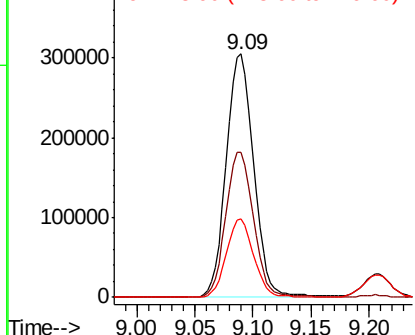


Abundance

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: 19.517 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	104.0	156.0
129	96.5	79.2	118.8
131	94.7	75.7	113.5

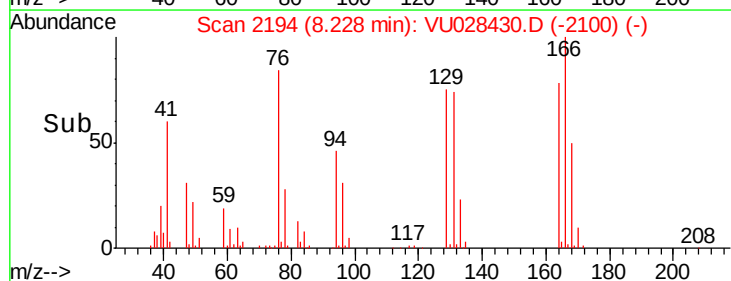
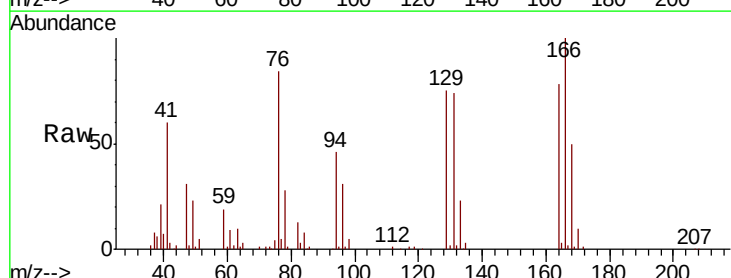
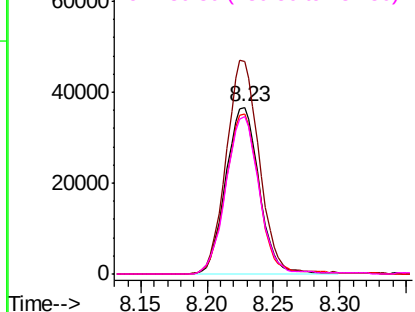
Abundance

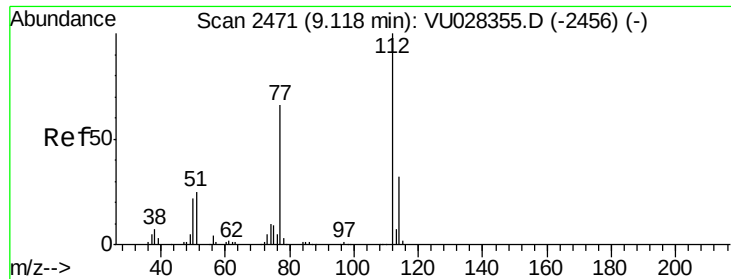
Ion 163.80 (163.50 to 164.50): V

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





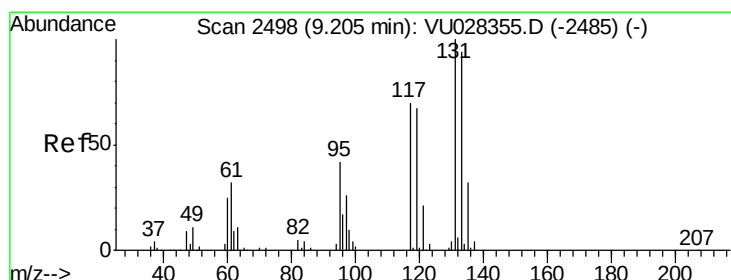
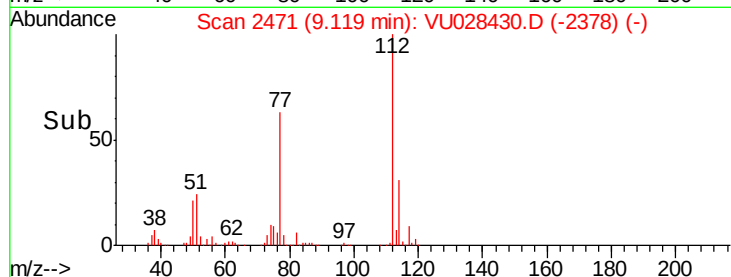
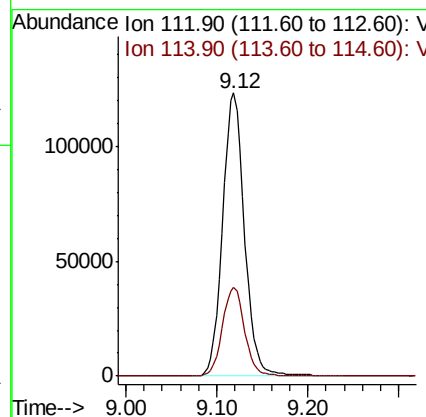
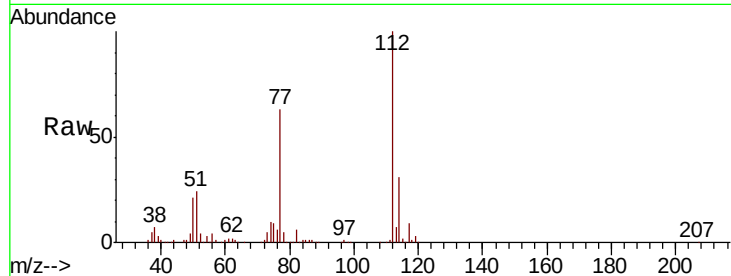
#65
Chlorobenzene
Concen: 19.827 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.7	38.5

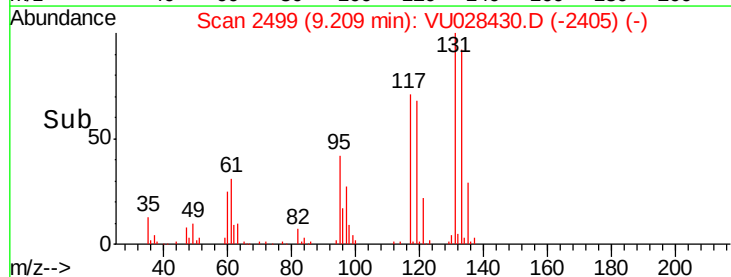
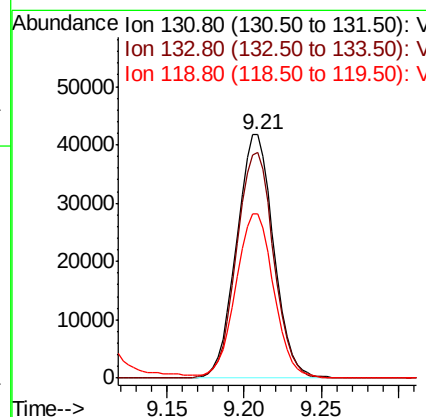
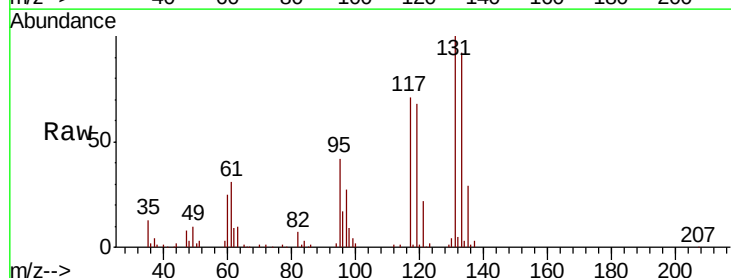
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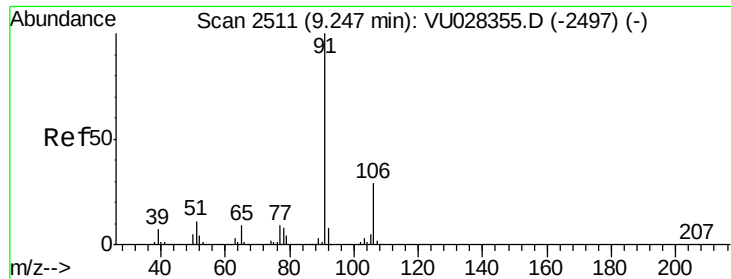
MMDadoda
12/4/2018 11:18:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.516 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.8	47.3	141.8
119	69.1	34.1	102.2





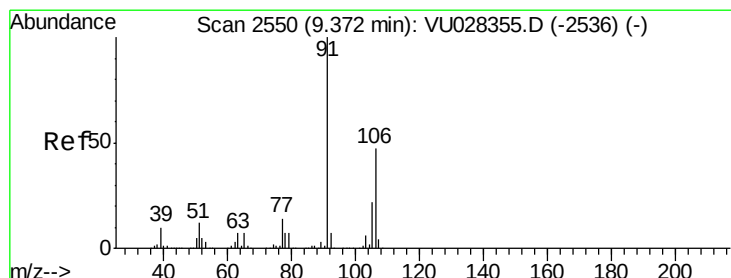
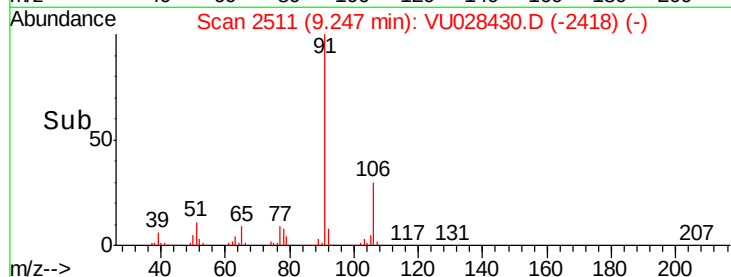
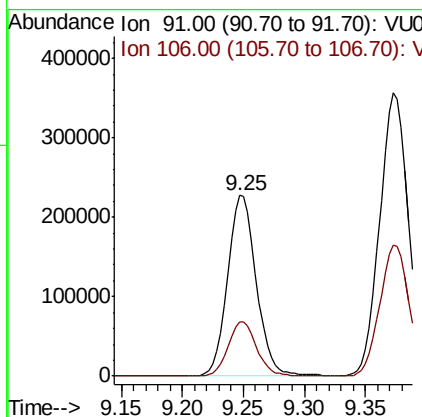
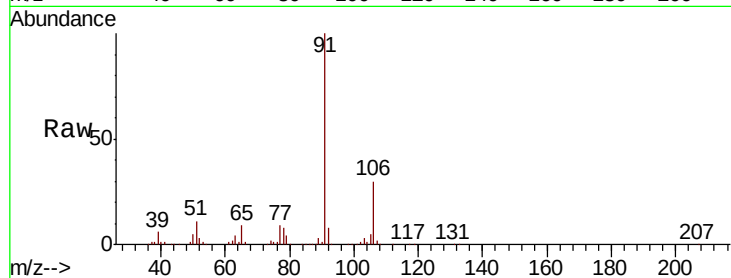
#67
Ethyl Benzene
Concen: 19.194 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.3	34.9

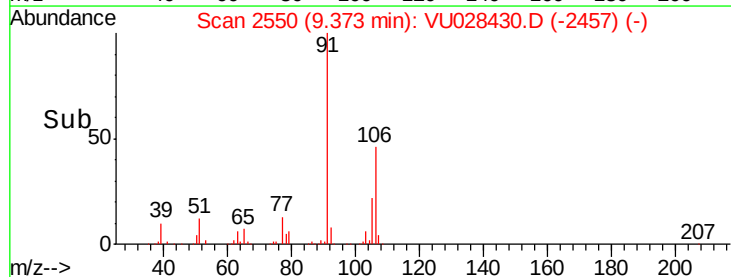
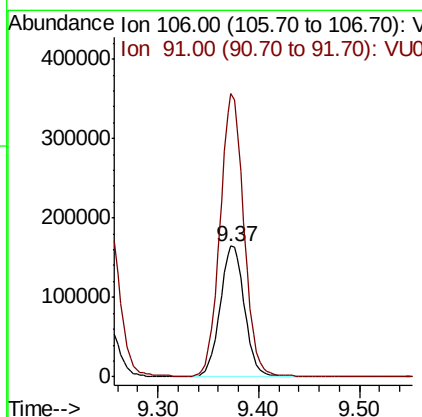
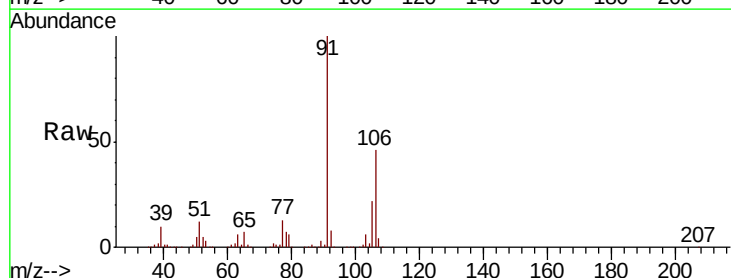
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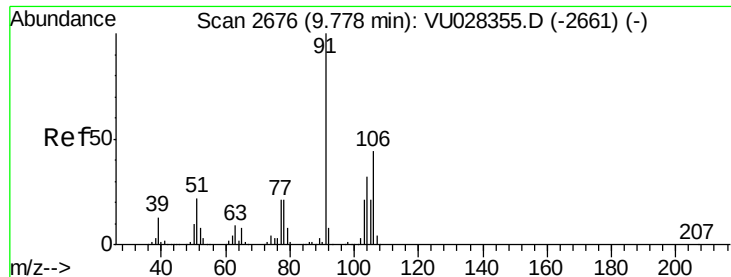
MMDadoda
12/4/2018 11:18:28 AM



#68
m/p-Xylenes
Concen: 39.426 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.2	171.0	256.6





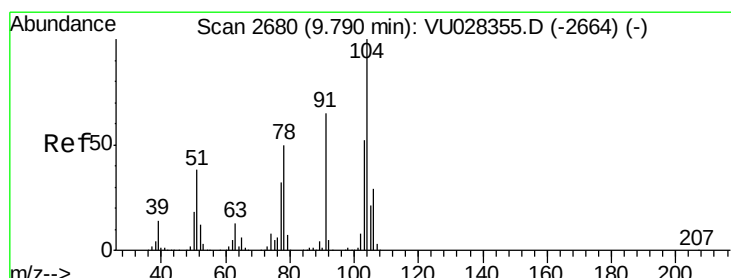
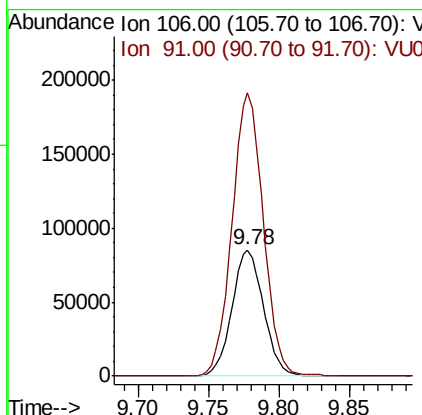
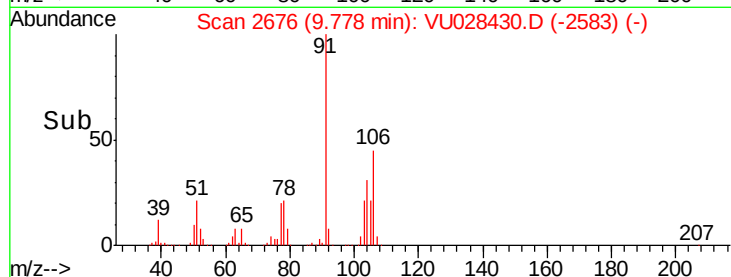
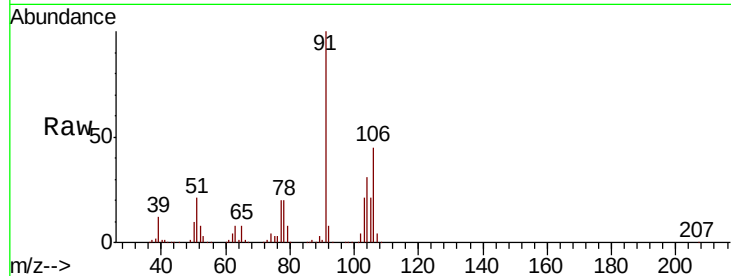
#69
o-Xylene
Concen: 19.130 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		133949		
91	222.6	112.7	338.0		

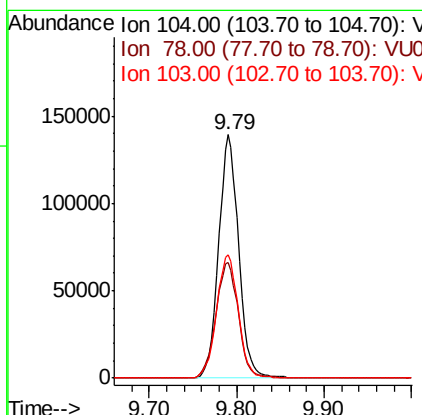
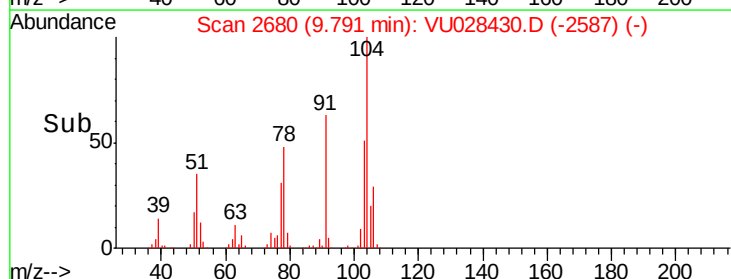
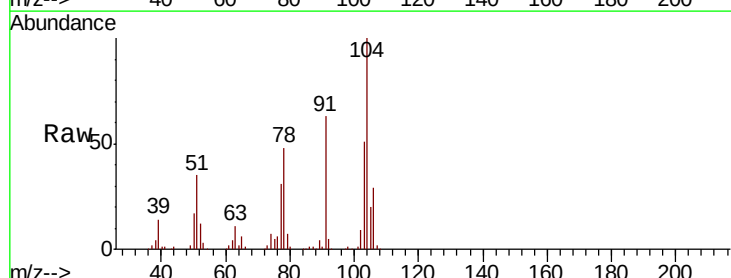
Manual Integrations
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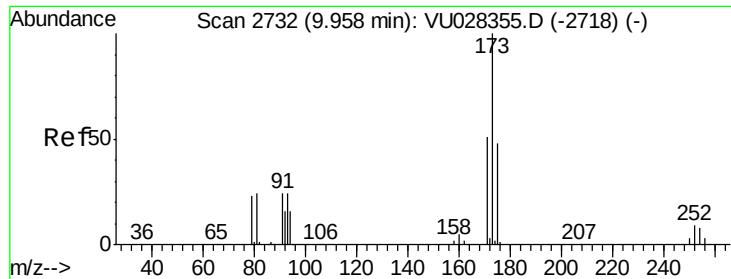
MMDadoda
12/4/2018 11:18:28 AM



#70
Styrene
Concen: 19.596 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		221292		
78	53.6	43.3	64.9		
103	55.1	44.8	67.2		





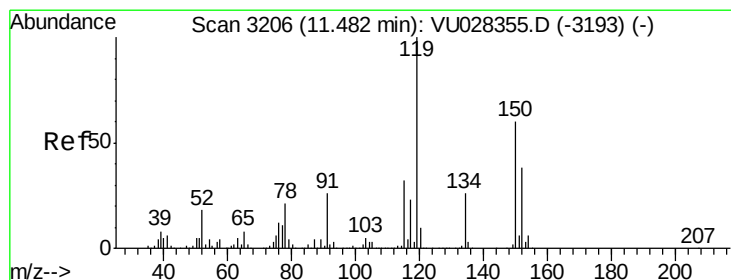
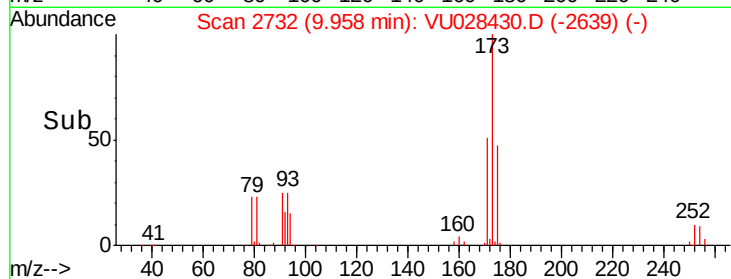
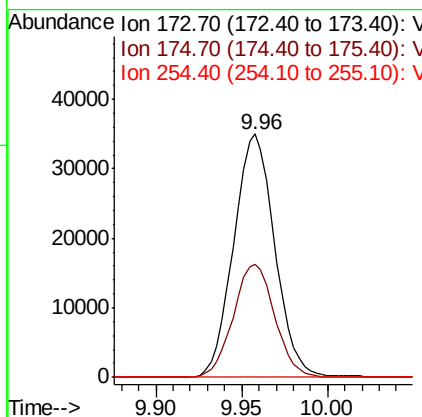
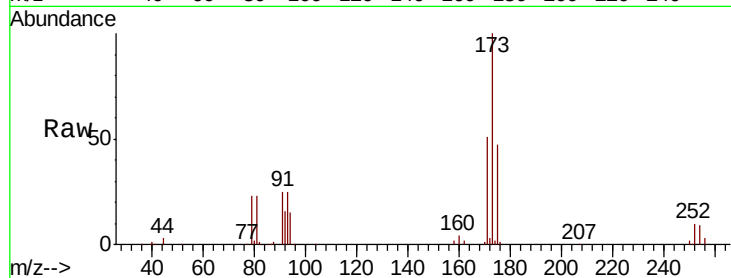
#71
Bromoform
Concen: 19.340 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.1	72.4
254	0.0	0.0	0.0#

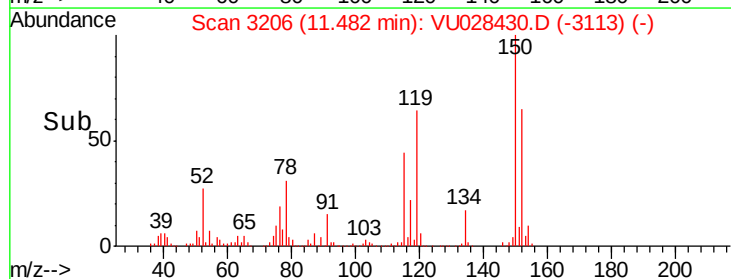
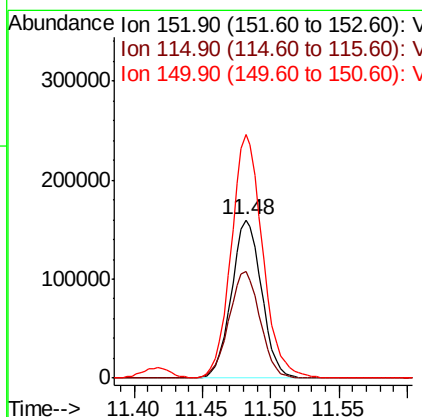
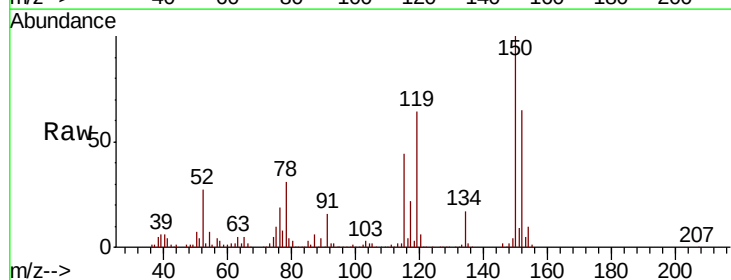
Manual Integrations
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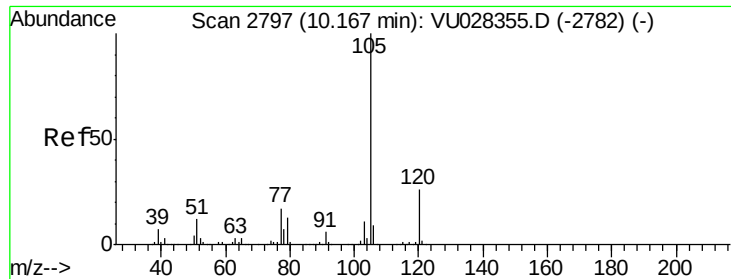
MMDadoda
12/4/2018 11:18:28 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.7	45.0	134.8
150	159.7	0.0	349.2





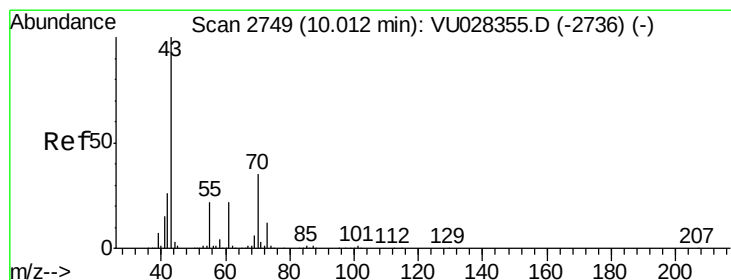
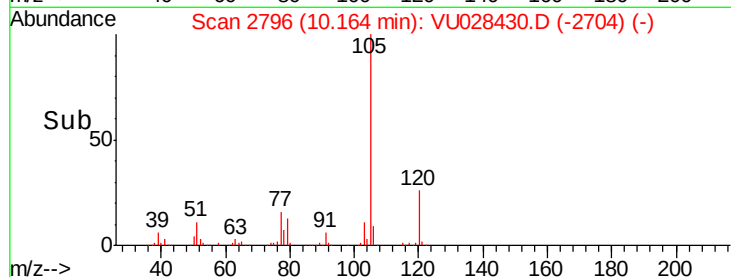
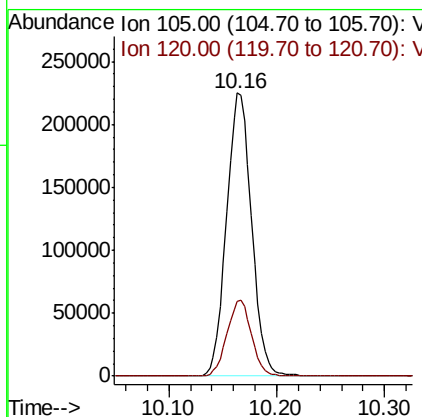
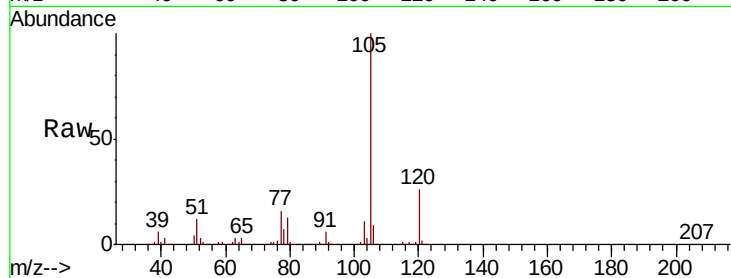
#73
Isopropylbenzene
Concen: 19.185 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. -0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	12.8	38.3

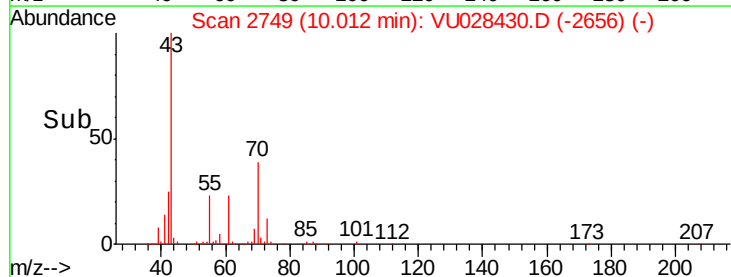
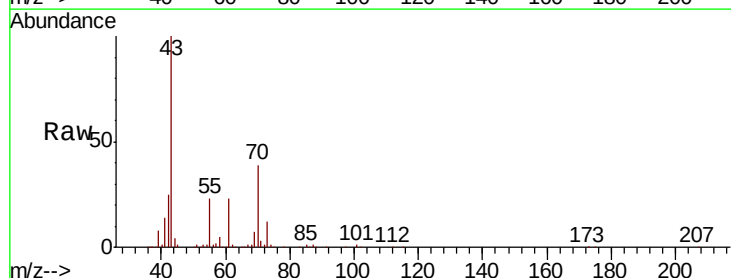
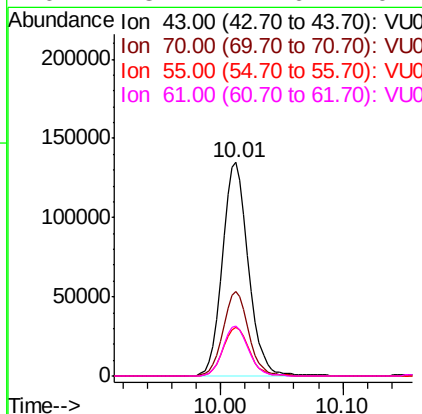
Manual Integrations
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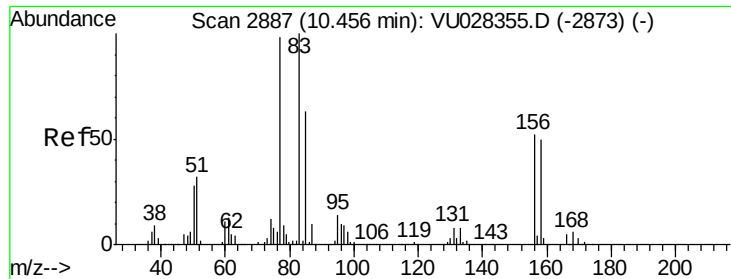
MMDadoda
12/4/2018 11:18:28 AM



#74
N-ethyl acetate
Concen: 17.027 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.0	28.4	42.6
55	23.0	18.0	27.0
61	23.1	17.6	26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 17.853 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

Tot Ion: 83 Resp: 139479

Ion Ratio Lower Upper

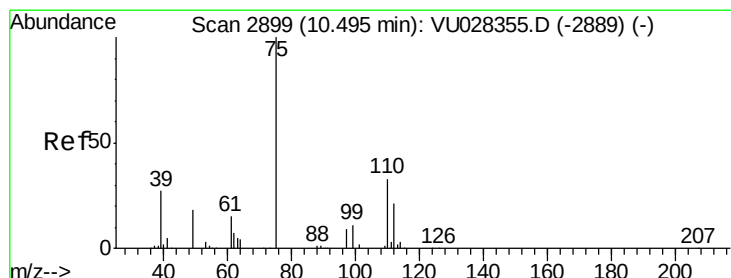
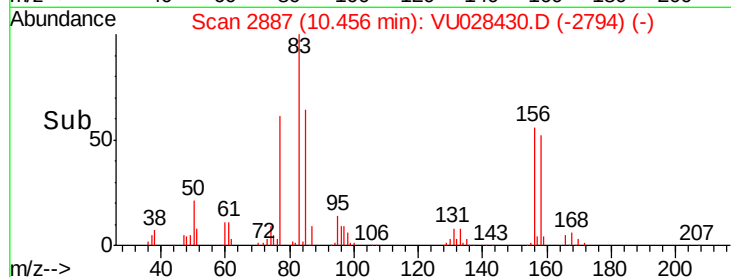
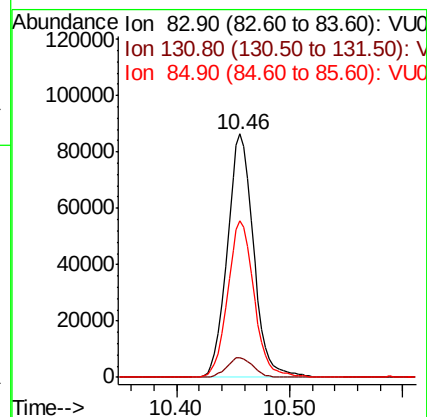
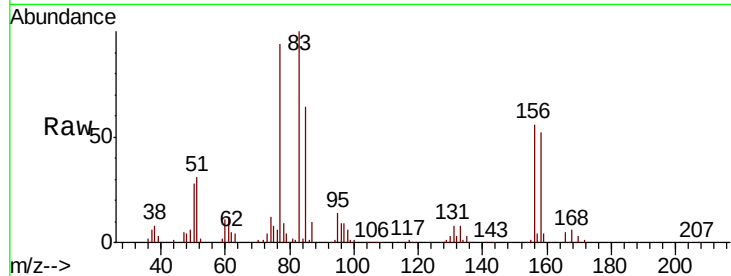
83 100

131 8.1 4.0 12.2

85 64.6 31.8 95.4

Manual Integrations
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12/4/2018 11:18:28 AM



#76

1,2,3-Trichloropropane

Concen: 18.072 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028430.D

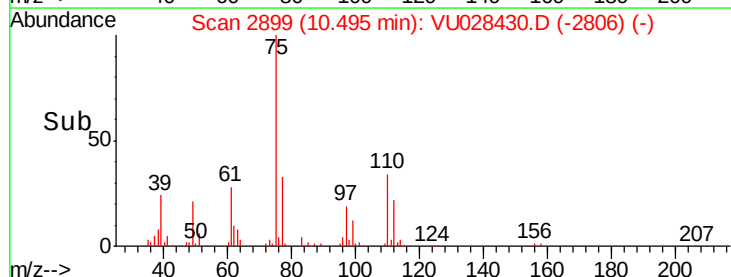
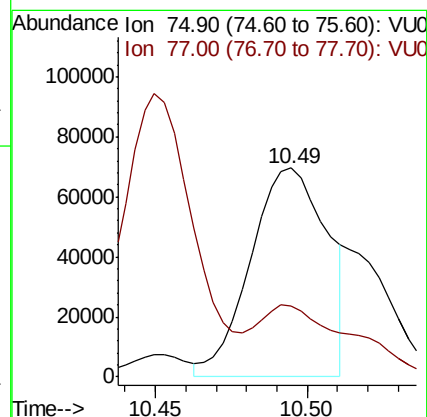
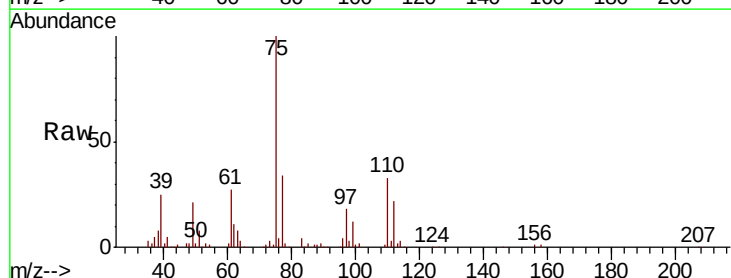
Acq: 03 Dec 2018 10:53

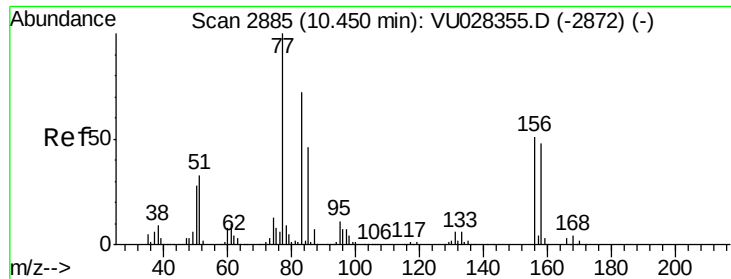
Tgt Ion: 75 Resp: 122418

Ion Ratio Lower Upper

75 100

77 42.4 22.4 67.0





#77

Bromobenzene

Concen: 18.778 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

Tot Ion:156 Resp: 84060

Ion Ratio Lower Upper

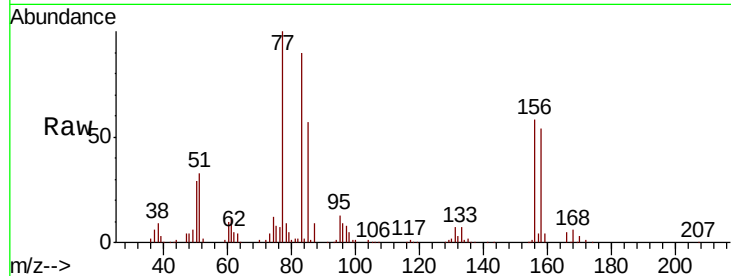
156 100

77 184.6 97.0 290.9

158 97.1 46.8 140.4

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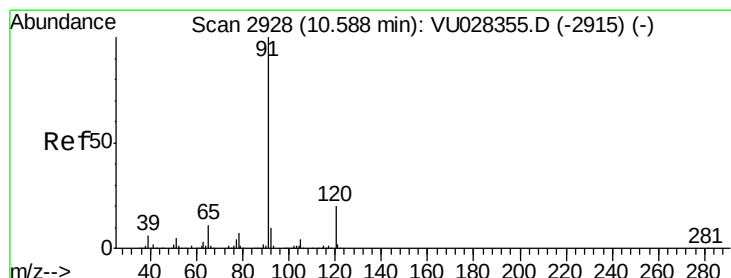
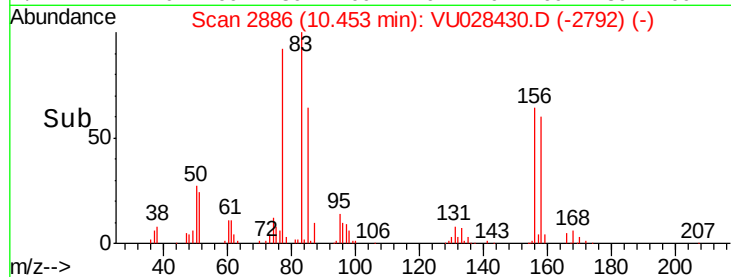
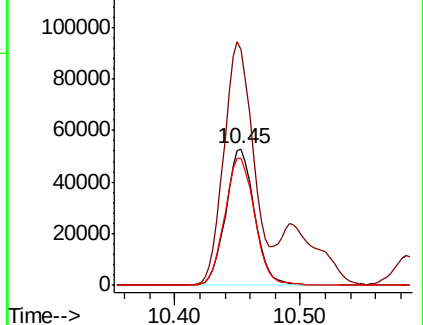
MMDadoda
12/4/2018 11:18:28 AM



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: 18.923 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028430.D

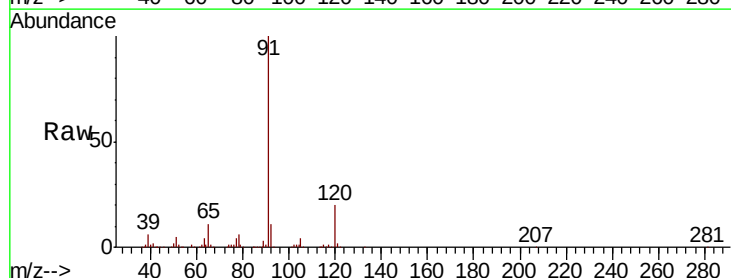
Acq: 03 Dec 2018 10:53

Tgt Ion: 91 Resp: 443496

Ion Ratio Lower Upper

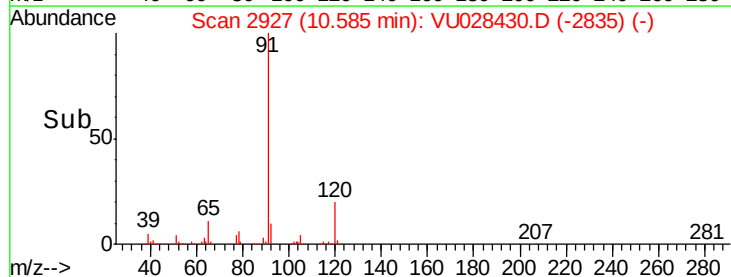
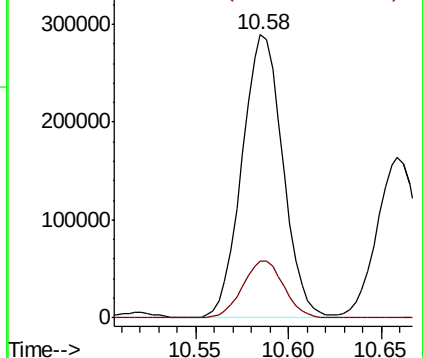
91 100

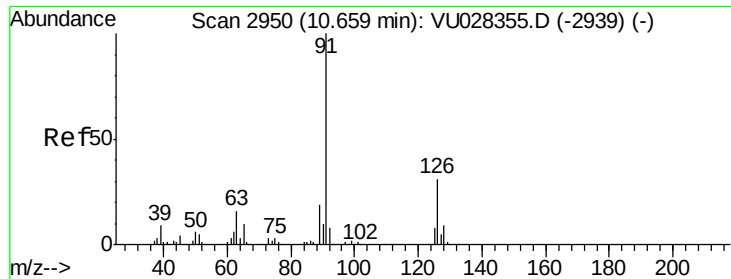
120 20.4 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.693 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

ClientSampleId :

VU1203WBS01

Tot Ion: 91 Resp: 258263

Ion Ratio Lower Upper

91 100

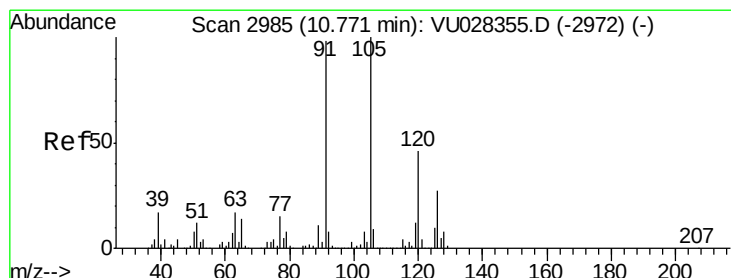
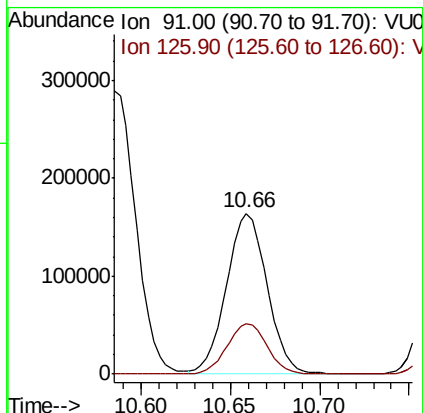
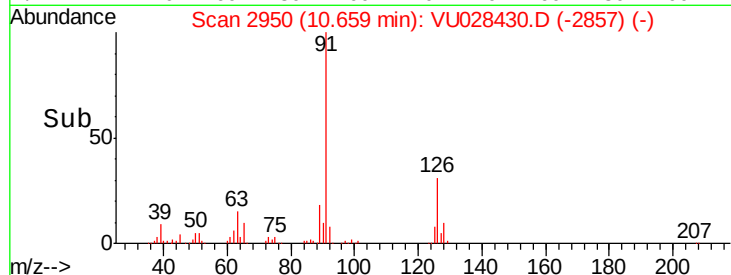
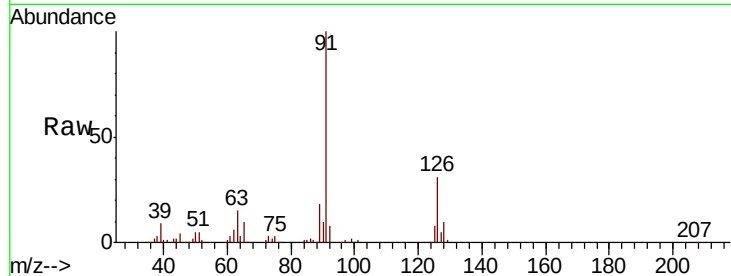
126 31.6 15.4 46.1

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#80

1,3,5-Trimethylbenzene

Concen: 18.839 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028430.D

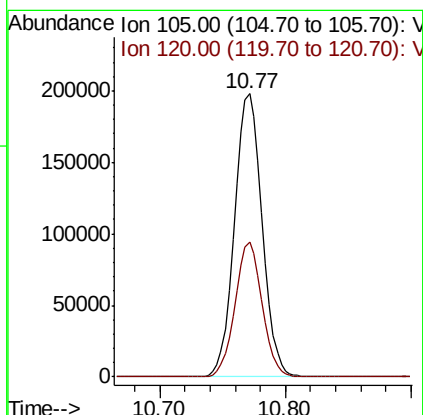
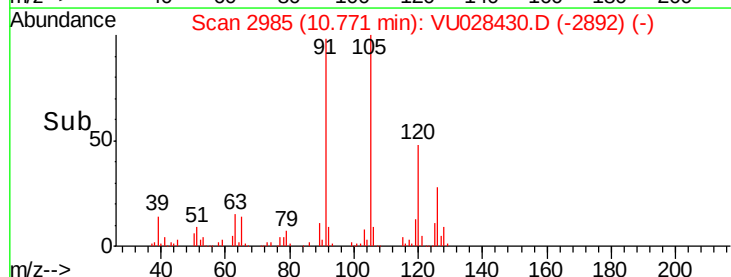
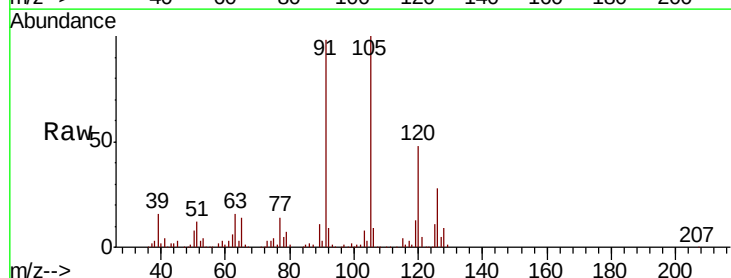
Acq: 03 Dec 2018 10:53

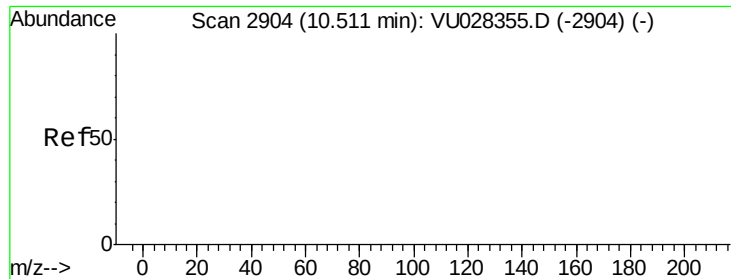
Tgt Ion: 105 Resp: 301605

Ion Ratio Lower Upper

105 100

120 46.8 23.4 70.0





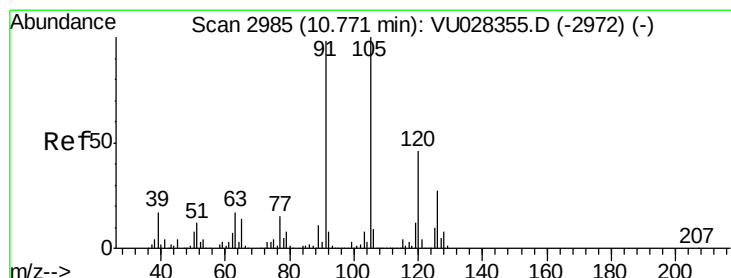
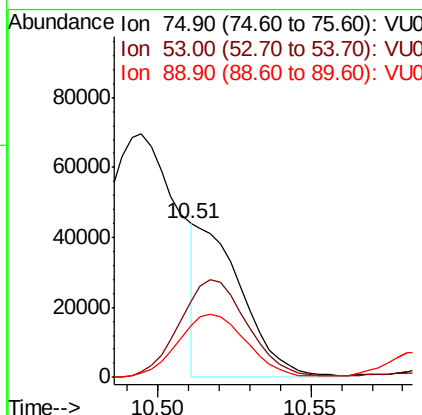
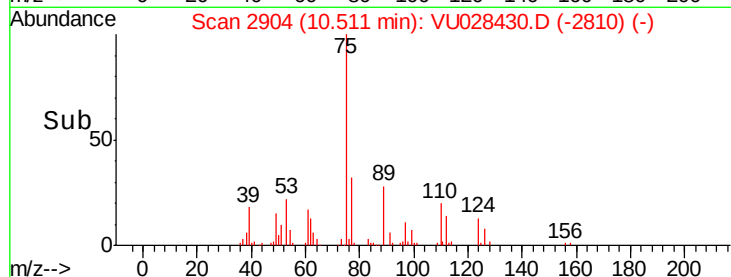
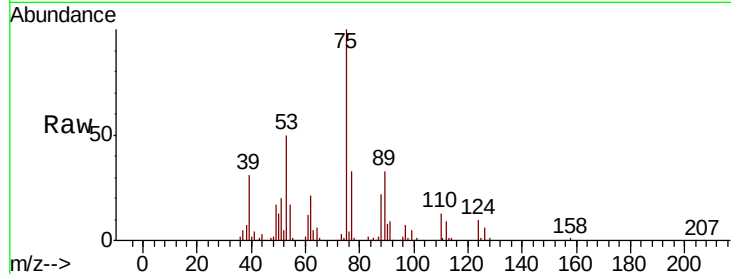
#81
trans-1,4-Dichloro-2-butene
Concen: 17.782 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

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

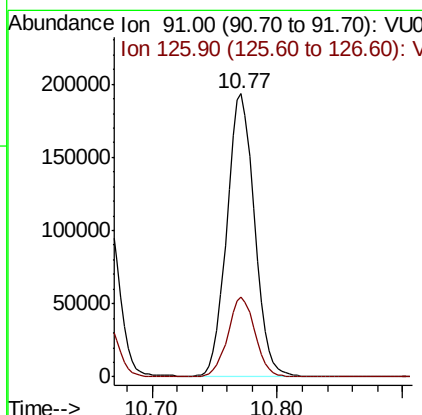
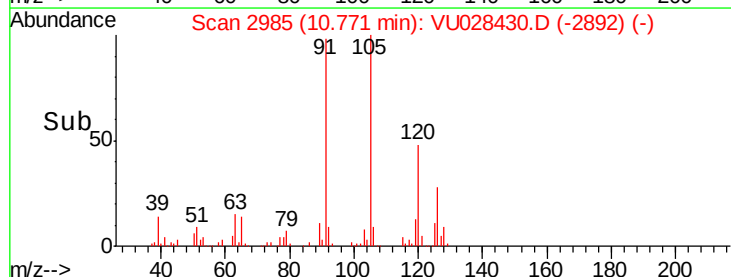
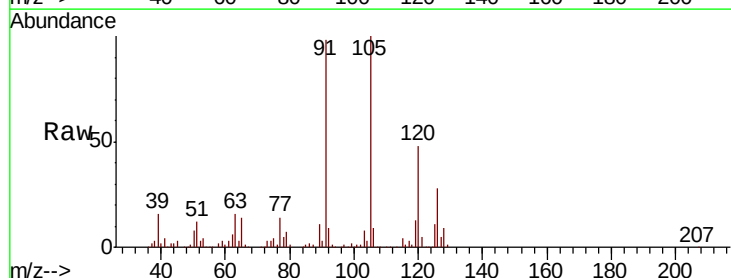
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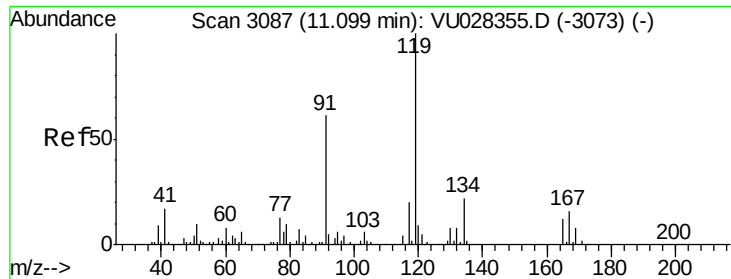
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.524 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	13.9	41.6





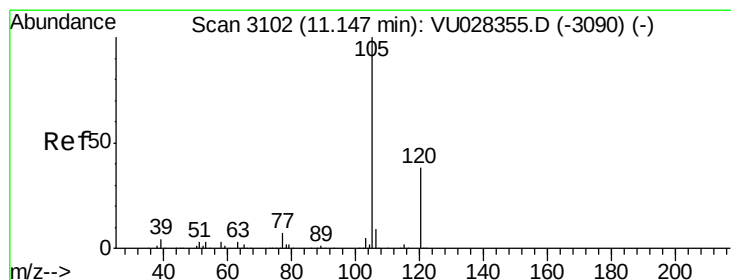
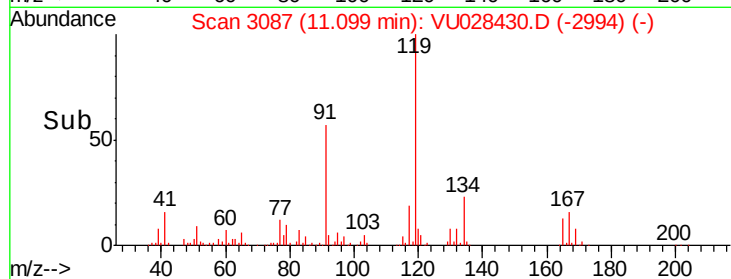
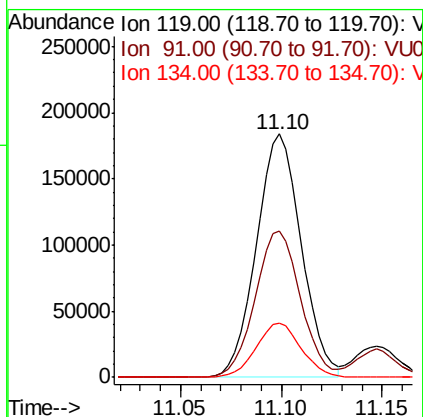
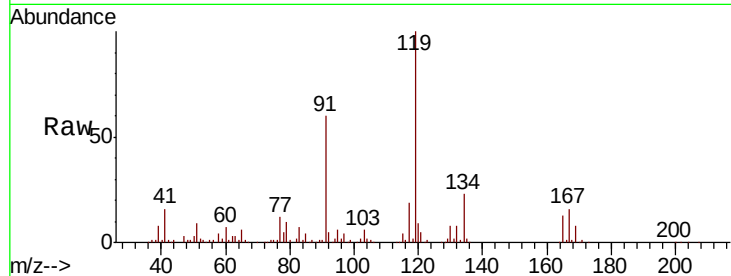
#83
 tert-Butylbenzene
 Concen: 19.142 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	285674		
91	60.9		30.8	92.4
134	22.5		11.1	33.1

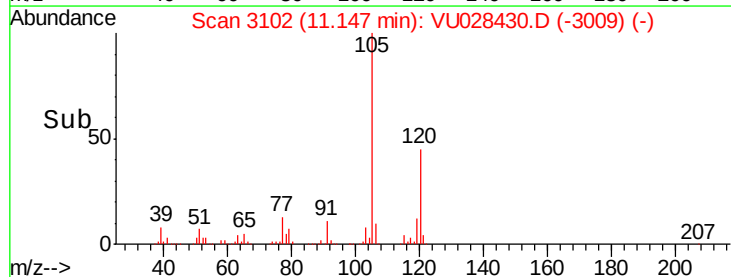
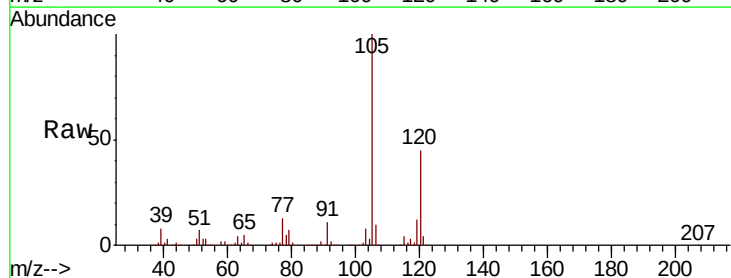
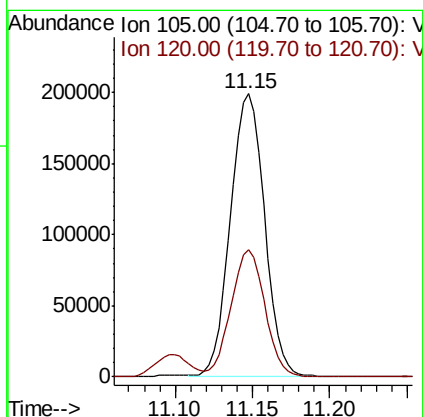
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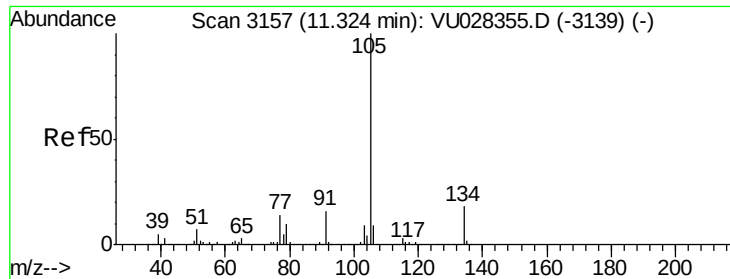
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 12/4/2018 11:18:28 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.799 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	304850		
120	44.7		21.4	64.3





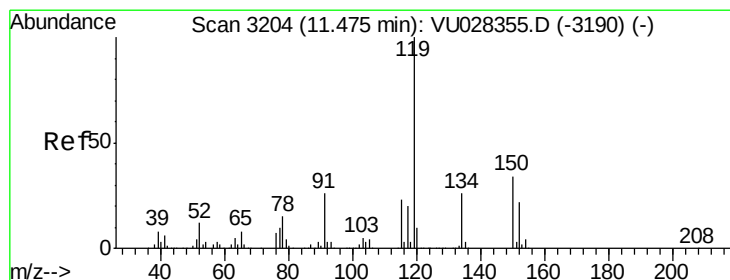
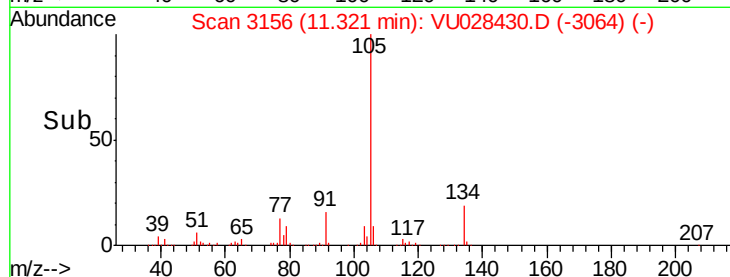
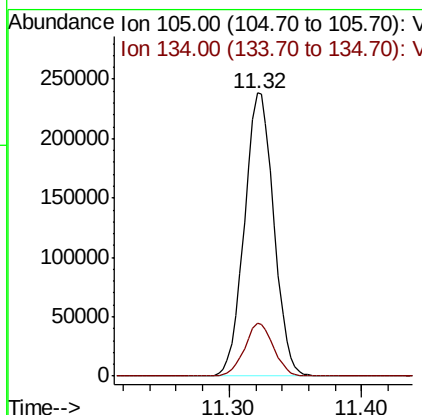
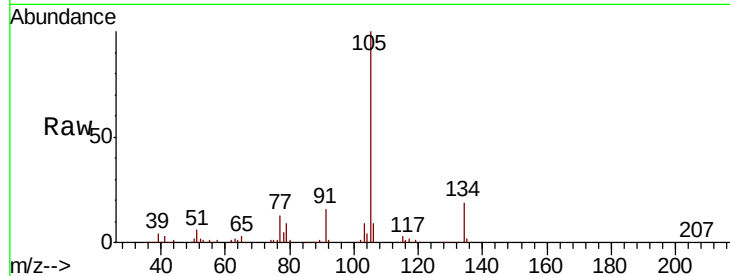
#85
 sec-Butylbenzene
 Concen: 18.838 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.3	27.7

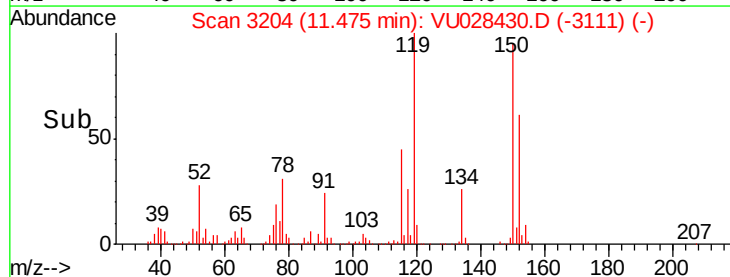
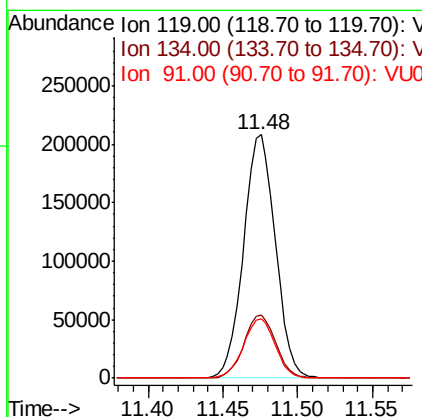
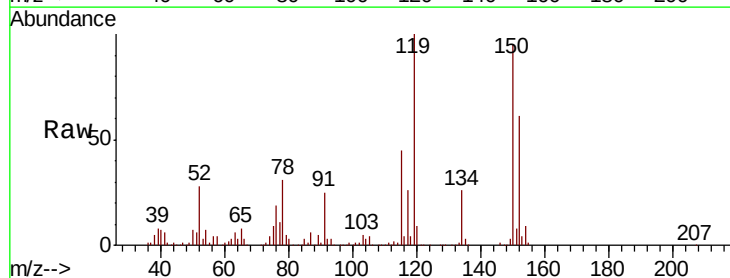
Manual Integrations
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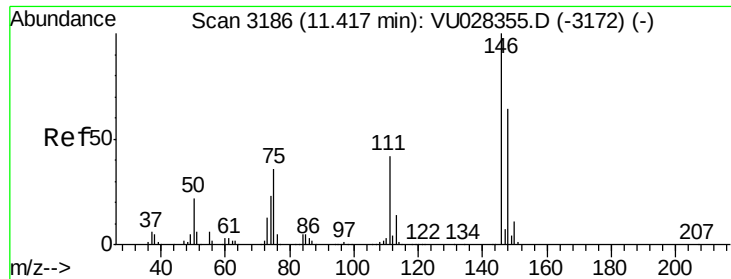
MMDadoda
 12/4/2018 11:18:28 AM



#86
 p-Isopropyltoluene
 Concen: 19.317 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.3
91	24.5	13.1	39.1





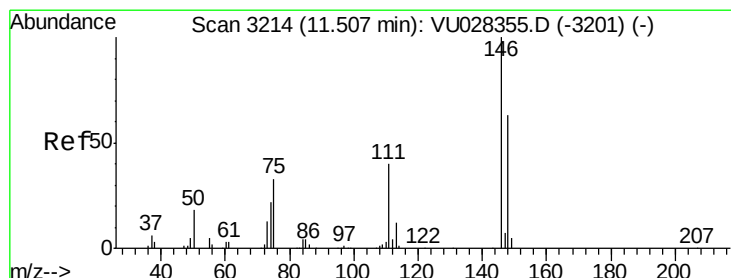
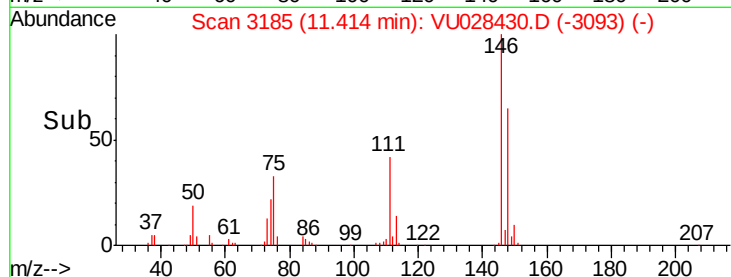
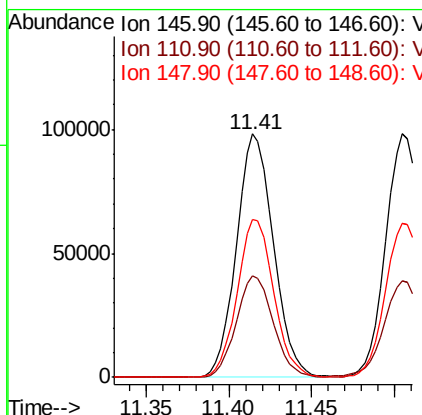
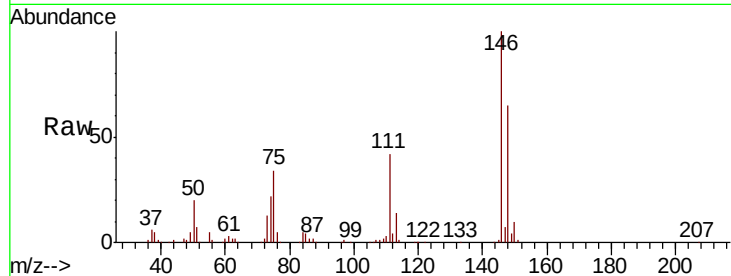
#87
 1,3-Dichlorobenzene
 Concen: 18.694 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.4
148	64.0	31.8	95.3

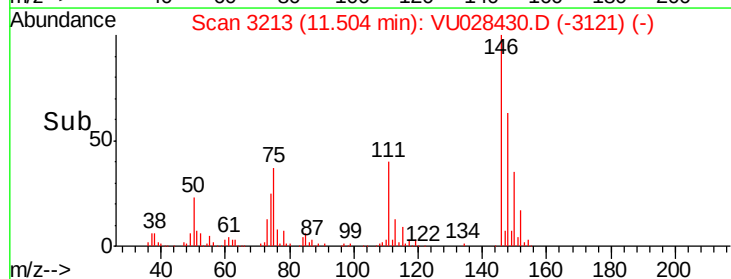
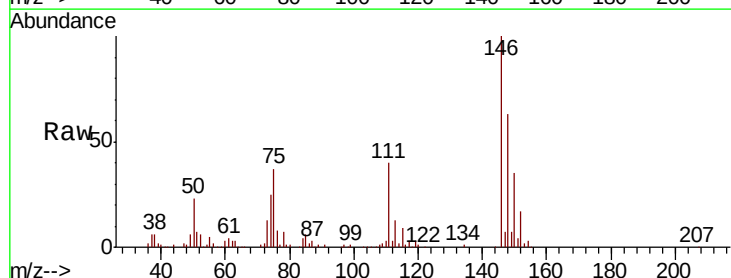
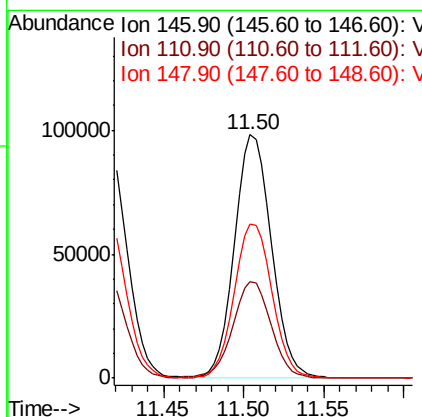
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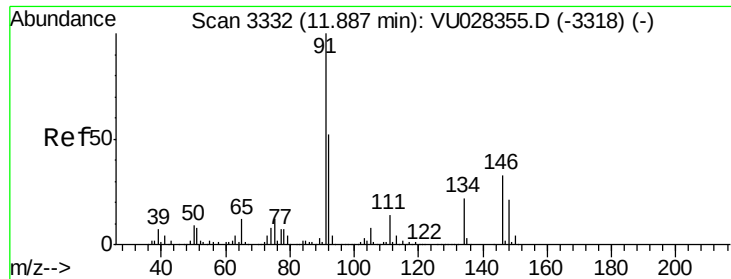
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#88
 1,4-Dichlorobenzene
 Concen: 18.637 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.6	61.9
148	65.4	31.1	93.5





#89

n-Butylbenzene

Concen: 19.035 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Instrument :

MSVOA_U

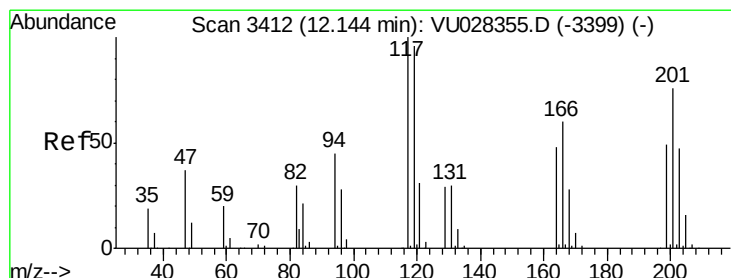
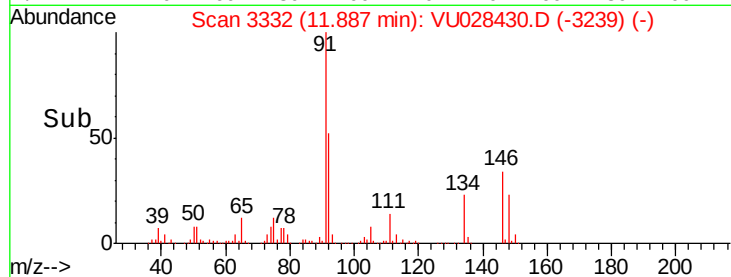
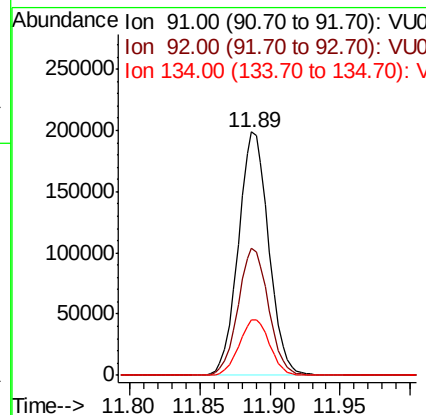
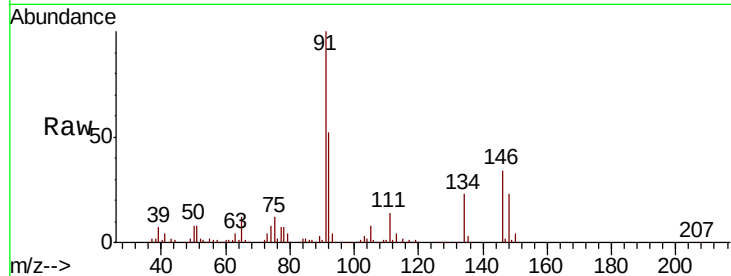
ClientSampleId :

VU1203WBS01

Tot Ion:	91	Resp:	299435
Ion Ratio	Lower	Upper	
91	100		
92	52.3	26.2	78.5
134	23.0	11.1	33.1

Manual Integrations
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12/4/2018 11:18:28 AM



#90

Hexachloroethane

Concen: 18.322 ug/l

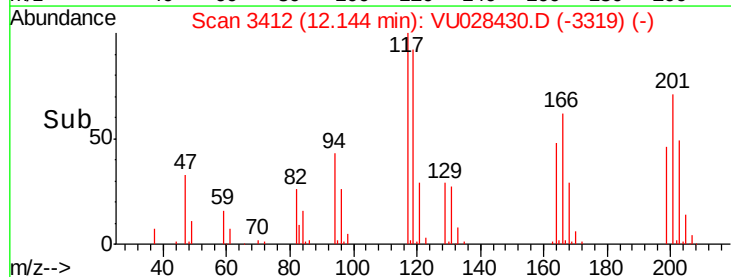
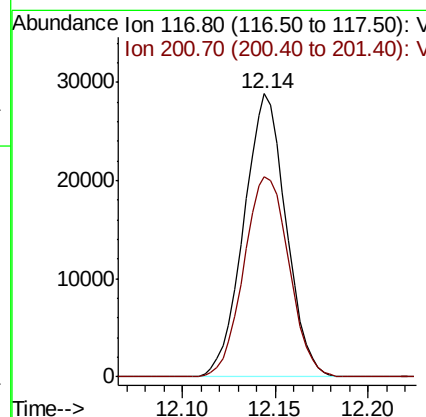
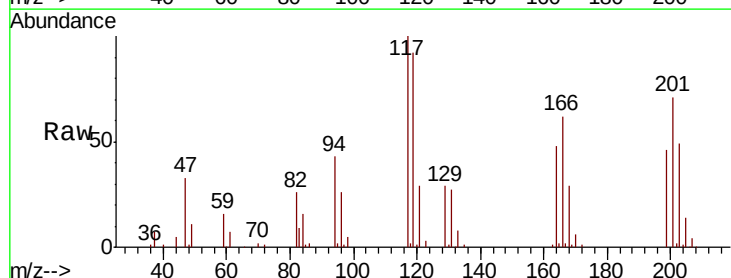
RT: 12.14 min Scan# 3412

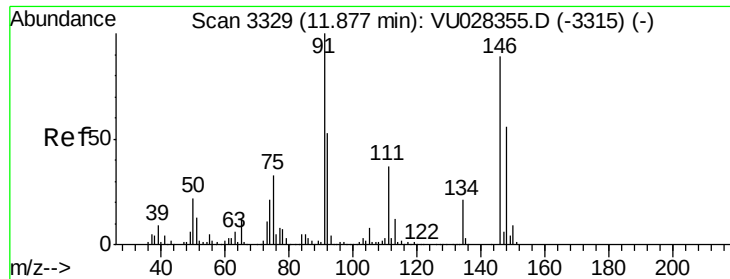
Delta R.T. 0.00 min

Lab File: VU028430.D

Acq: 03 Dec 2018 10:53

Tgt Ion:	117	Resp:	45593
Ion Ratio	Lower	Upper	
117	100		
201	75.6	37.7	113.1





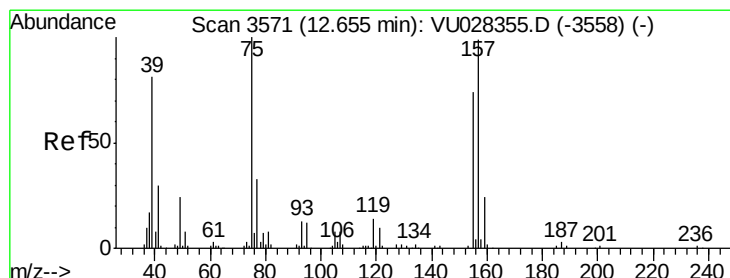
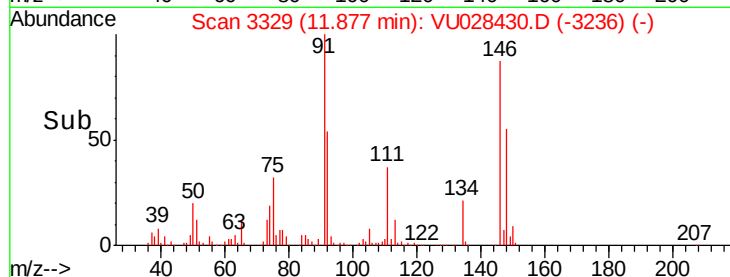
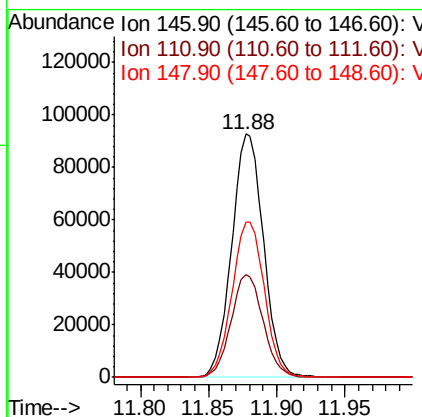
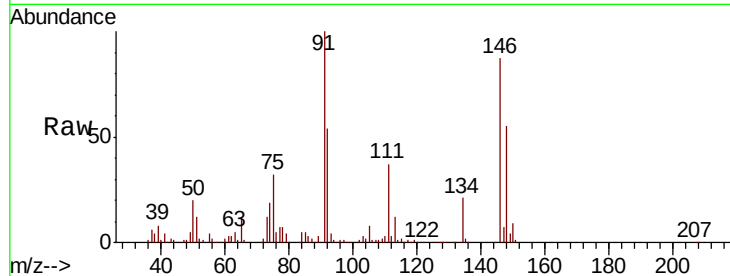
#91
 1,2-Dichlorobenzene
 Concen: 18.484 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.4	64.3
148	64.8	32.2	96.6

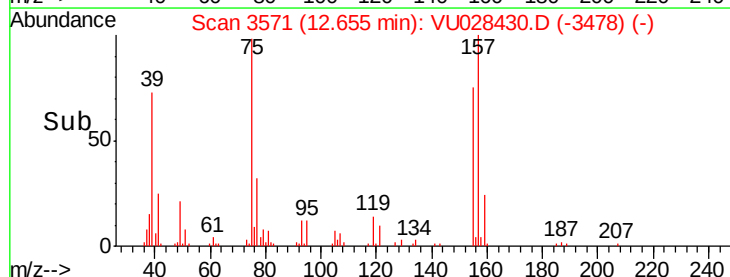
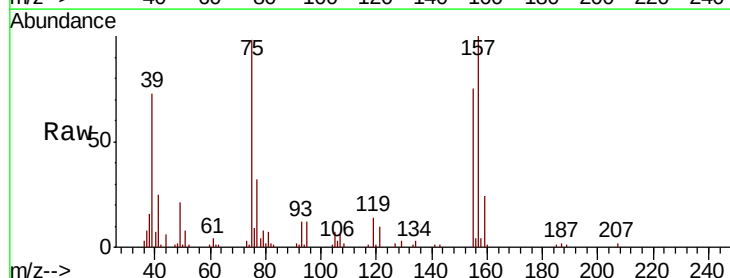
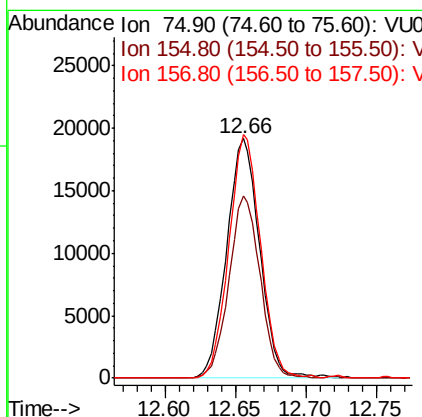
Manual Integrations
 APPROVED

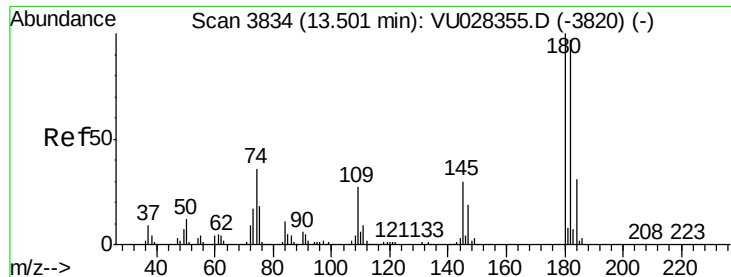
MMDadoda
 12/4/2018 11:18:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.055 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.8	36.9	110.7
157	97.5	47.5	142.5





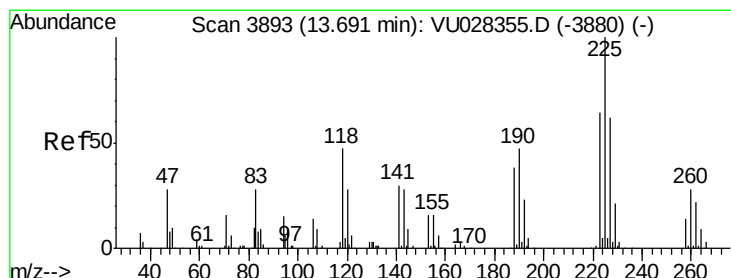
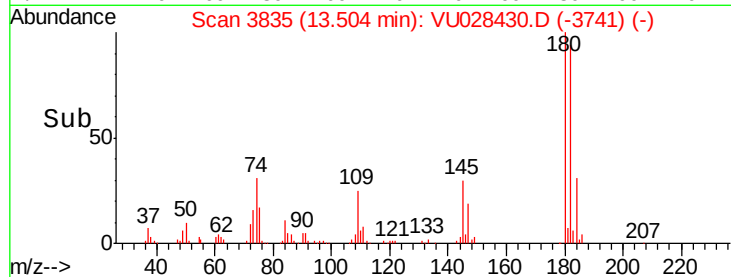
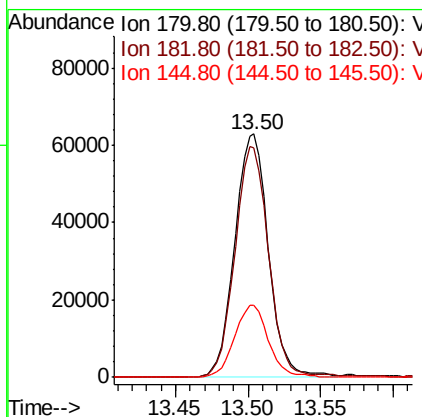
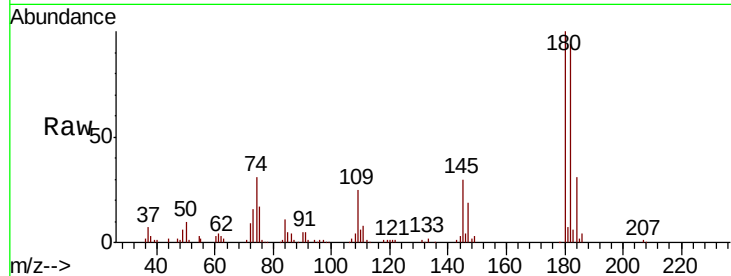
#93
 1,2,4-Trichlorobenzene
 Concen: 19.010 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1203WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.3	144.9
145	29.9	15.2	45.5

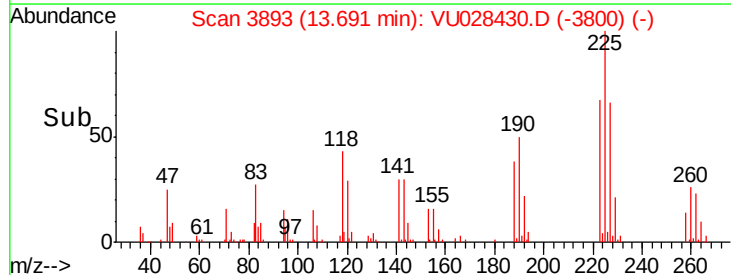
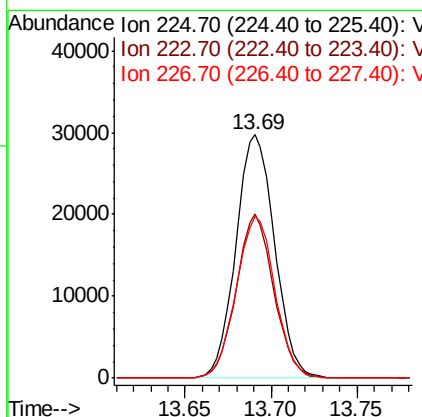
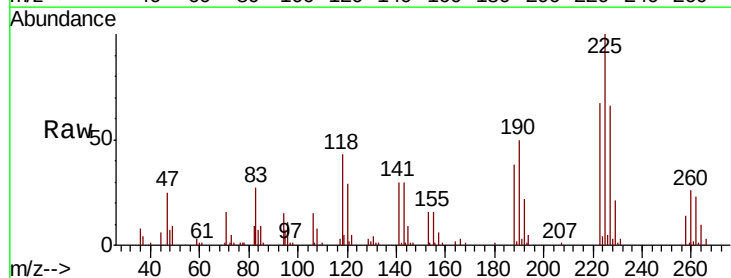
Manual Integrations
 APPROVED

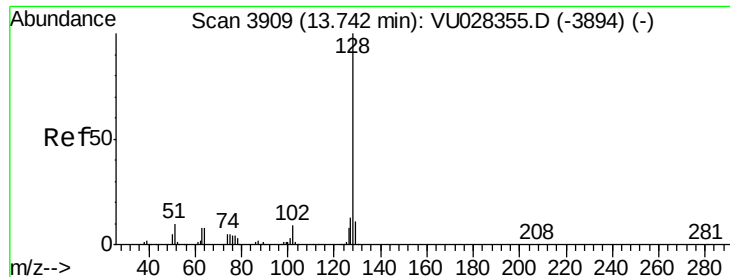
MMDadoda
 12/4/2018 11:18:28 AM



#94
 Hexachlorobutadiene
 Concen: 18.449 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028430.D
 Acq: 03 Dec 2018 10:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.6	94.7
227	66.3	30.8	92.4





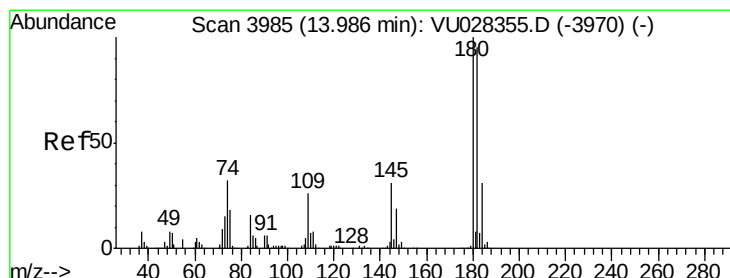
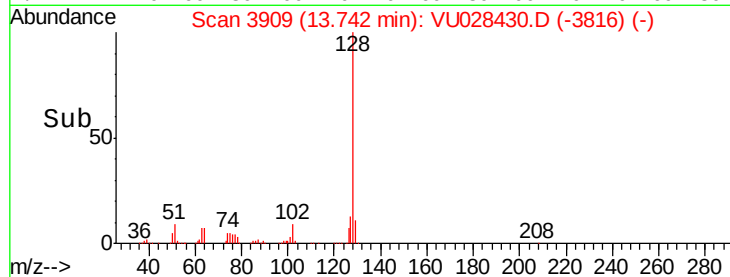
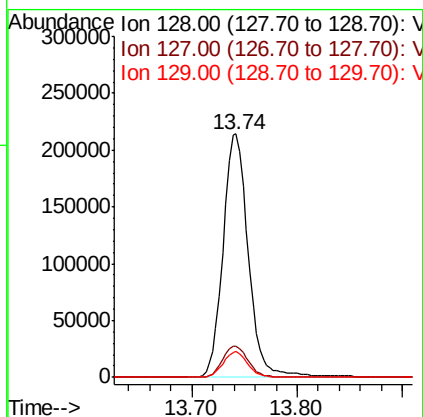
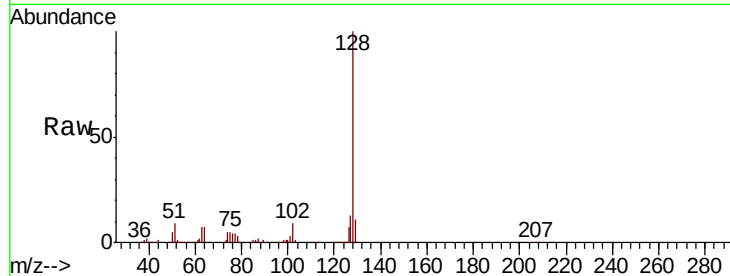
#95
Naphthalene
Concen: 19.121 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Instrument :
MSVOA_U
ClientSampleId :
VU1203WBS01

Tot Ion:	128	Resp:	354941
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
12/4/2018 11:18:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.666 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028430.D
Acq: 03 Dec 2018 10:53

Tgt Ion:	180	Resp:	106056
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.7	143.1
145	30.7	15.7	47.1

