

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110218\
 Data File : VU027906.D
 Acq On : 01 Nov 2018 19:35
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:00:14 AM

Quant Time: Nov 02 01:07:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 01:48:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	171891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	298572	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	281605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	140104	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	127763	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	
35) Dibromofluoromethane	4.88	113	93257	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	
50) Toluene-d8	7.57	98	364435	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
62) 4-Bromofluorobenzene	10.31	95	133685	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	125116	51.594	ug/l	100
3) Chloromethane	1.33	50	142896	44.136	ug/l	100
4) Vinyl Chloride	1.40	62	141749	46.243	ug/l	100
5) Bromomethane	1.61	94	54271	41.091	ug/l	100
6) Chloroethane	1.69	64	80963	43.803	ug/l	100
7) Trichlorofluoromethane	1.88	101	164484	51.629	ug/l	100
8) Diethyl Ether	2.11	74	68556	47.349	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	98112	52.868	ug/l	100
10) Methyl Iodide	2.41	142	77579	56.803	ug/l	100
11) Tert butyl alcohol	2.83	59	178113	284.561	ug/l	100
12) 1,1-Dichloroethene	2.28	96	95370	52.585	ug/l	100
13) Acrolein	2.20	56	61464	134.739	ug/l	100
14) Allyl chloride	2.59	41	226470	52.620	ug/l	100
15) Acrylonitrile	2.94	53	457992	286.148	ug/l	100
16) Acetone	2.32	43	401838	240.169	ug/l	100
17) Carbon Disulfide	2.48	76	316072	48.767	ug/l	100
18) Methyl Acetate	2.62	43	224790	56.712	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	388558	53.261	ug/l	100
20) Methylene Chloride	2.70	84	123254	52.025	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	110137	53.669	ug/l	100
22) Diisopropyl ether	3.58	45	488520	55.311	ug/l	100
23) Vinyl Acetate	3.53	43	2166848	281.077	ug/l	100
24) 1,1-Dichloroethane	3.45	63	239234	53.100	ug/l	100
25) 2-Butanone	4.26	43	691257	293.340	ug/l	100
26) 2,2-Dichloropropane	4.23	77	174373	47.812	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	129148	54.839	ug/l	100
28) Bromochloromethane	4.55	49	107444	50.228	ug/l	100
29) Tetrahydrofuran	4.64	42	451173	301.306	ug/l	100
30) Chloroform	4.67	83	217416	54.082	ug/l	100
31) Cyclohexane	5.00	56	231300	44.004	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	179882	53.335	ug/l	100
36) 1,1-Dichloropropene	5.14	75	163452	50.739	ug/l	100
37) Ethyl Acetate	4.38	43	243023	56.910	ug/l	100
38) Carbon Tetrachloride	5.14	117	148023	50.898	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	199076	52.719	ug/l	100
40) Benzene	5.39	78	516798	54.331	ug/l	100
41) Methacrylonitrile	4.54	41	138937	57.710	ug/l	100
42) 1,2-Dichloroethane	5.40	62	181579	52.040	ug/l	100
43) Isopropyl Acetate	5.55	43	388401	58.743	ug/l	100
44) Trichloroethene	6.19	130	109952	52.285	ug/l	100
45) 1,2-Dichloropropane	6.43	63	148979	54.517	ug/l	100
46) Dibromomethane	6.56	93	85094	55.106	ug/l	100
47) Bromodichloromethane	6.76	83	167941	52.834	ug/l	100
48) Methyl methacrylate	6.62	41	195831	59.505	ug/l	100
49) 1,4-Dioxane	6.61	88	63795	1136.757	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	1299797	300.691	ug/l	100
52) Toluene	7.64	92	301795	53.895	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	196166	52.725	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	212771	53.152	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	120240	54.152	ug/l	100
56) Ethyl methacrylate	8.02	69	225416	60.469	ug/l	100
57) 1,3-Dichloropropane	8.24	76	224911	52.370	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	556679	272.756	ug/l	100
59) 2-Hexanone	8.36	43	1022176	304.194	ug/l	100
60) Dibromochloromethane	8.48	129	121437	54.437	ug/l	100
61) 1,2-Dibromoethane	8.59	107	134619	56.452	ug/l	100
64) Tetrachloroethene	8.23	164	92303	52.660	ug/l	100
65) Chlorobenzene	9.12	112	311040	52.327	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	108807	53.131	ug/l	100
67) Ethyl Benzene	9.25	91	579781	54.955	ug/l	100
68) m/p-Xylenes	9.38	106	422473	109.820	ug/l	100
69) o-Xylene	9.78	106	209129	56.942	ug/l	100
70) Styrene	9.79	104	348309	57.723	ug/l	100
71) Bromoform	9.96	173	92453	55.536	ug/l #	100
73) Isopropylbenzene	10.17	105	559687	54.940	ug/l	100
74) N-amyl acetate	10.01	43	354801	59.639	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	225749	55.588	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	191984m	52.852	ug/l	
77) Bromobenzene	10.45	156	132762	55.517	ug/l	100
78) n-propylbenzene	10.59	91	684014	55.818	ug/l	100
79) 2-Chlorotoluene	10.66	91	397732	53.750	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	475795	57.004	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	87452m	62.209	ug/l	
82) 4-Chlorotoluene	10.77	91	455188	54.366	ug/l	100
83) tert-Butylbenzene	11.10	119	459927	57.009	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	480875	56.609	ug/l	100
85) sec-Butylbenzene	11.32	105	581490	57.272	ug/l	100
86) p-Isopropyltoluene	11.48	119	486219	56.221	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	239585	53.291	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	241214	52.543	ug/l	100
89) n-Butylbenzene	11.89	91	477245	58.786	ug/l	100
90) Hexachloroethane	12.15	117	86053	52.931	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	243368	55.317	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	50060	56.101	ug/l	100

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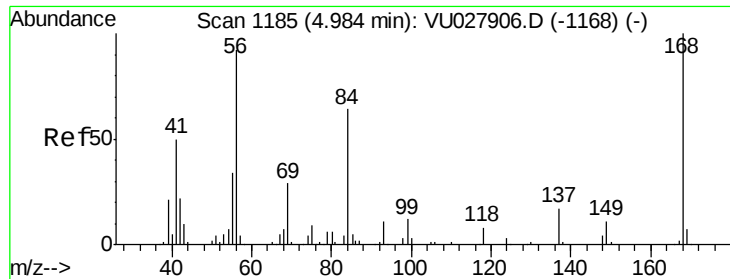
Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:00:14 AM

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	165702	58.136	ug/l	100
94) Hexachlorobutadiene	13.69	225	77646	54.237	ug/l	100
95) Naphthalene	13.74	128	610482	62.847	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	174619	58.564	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 171891

Ion Ratio Lower Upper

168 100

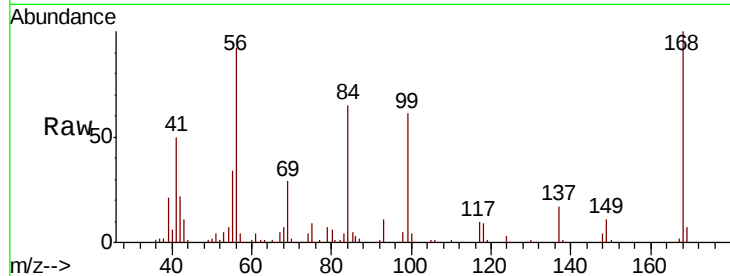
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Manual Integrations

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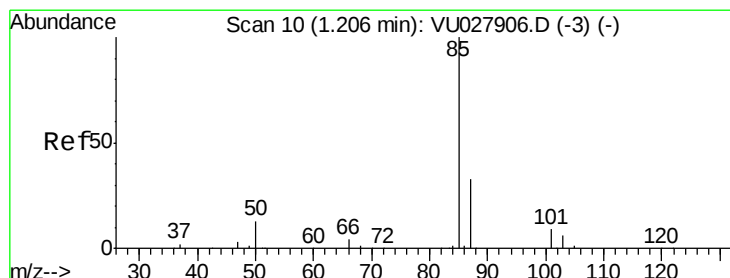
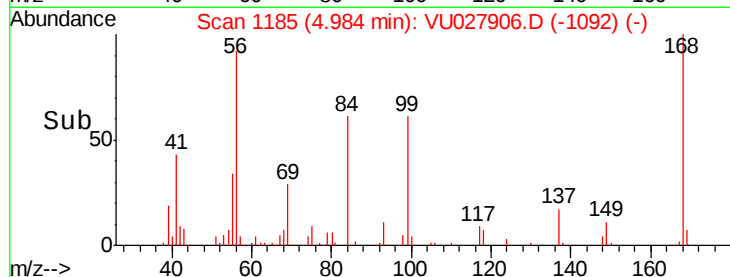
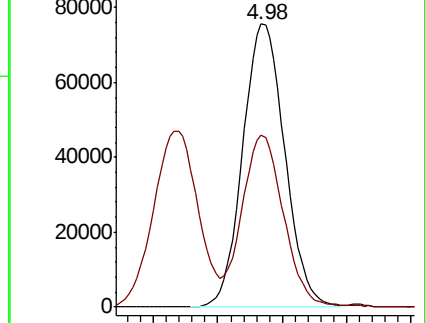
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 51.594 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027906.D

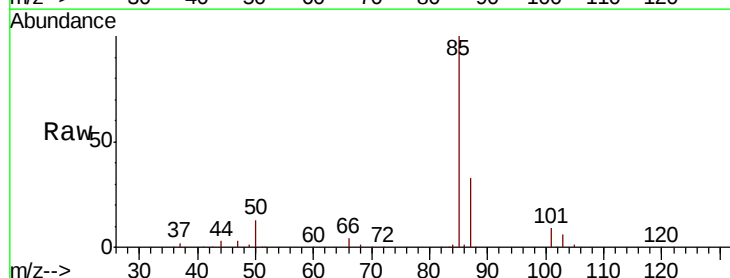
Acq: 01 Nov 2018 19:35

Tgt Ion: 85 Resp: 125116

Ion Ratio Lower Upper

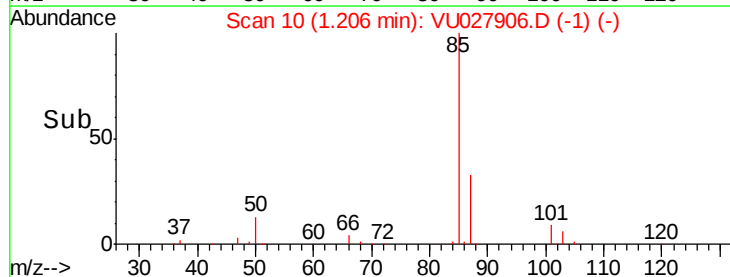
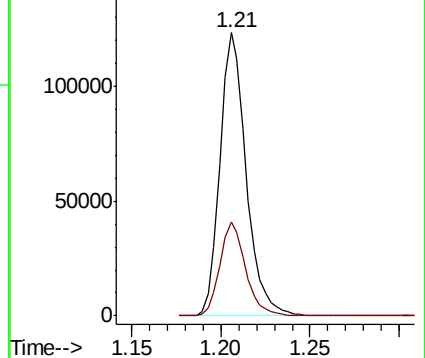
85 100

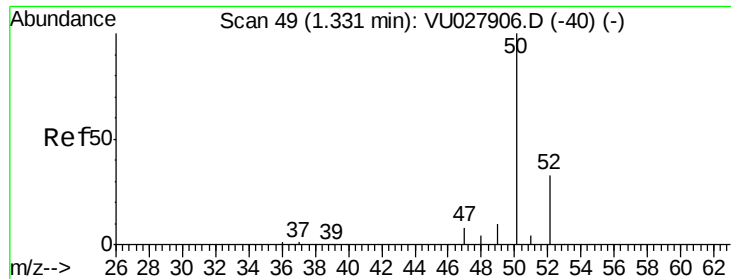
87 33.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





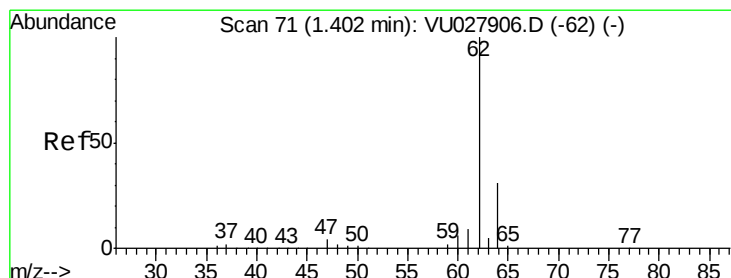
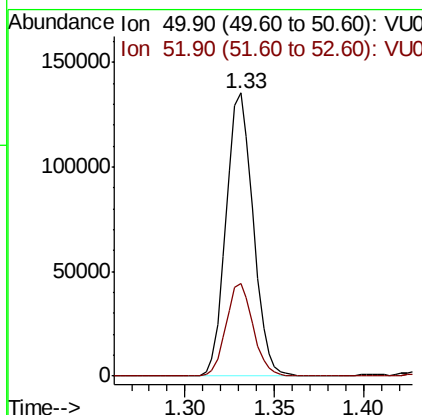
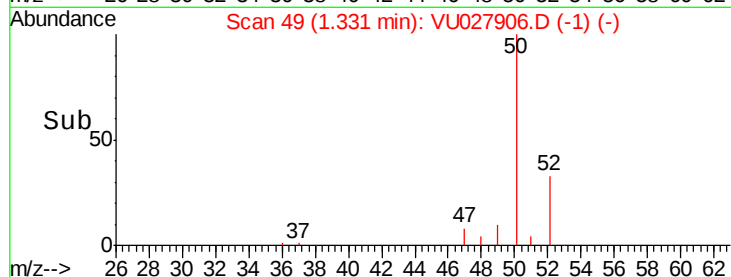
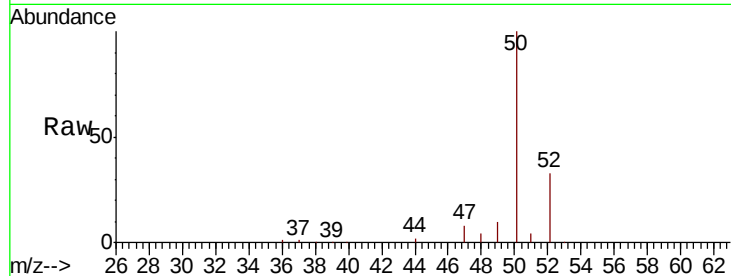
#3
Chloromethane
Concen: 44.136 ug/l
RT: 1.33 min Scan# 49
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.2	39.4

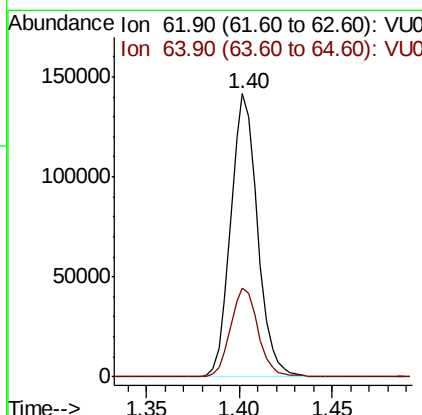
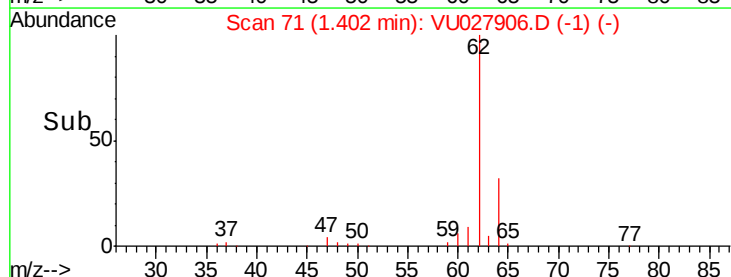
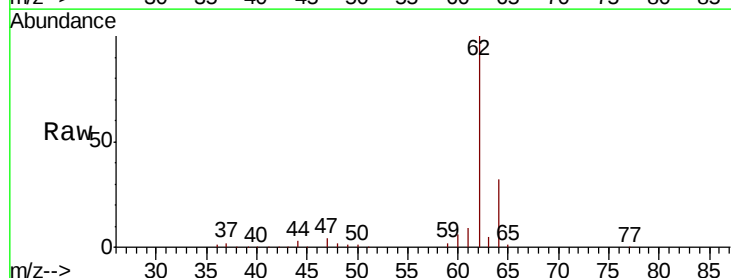
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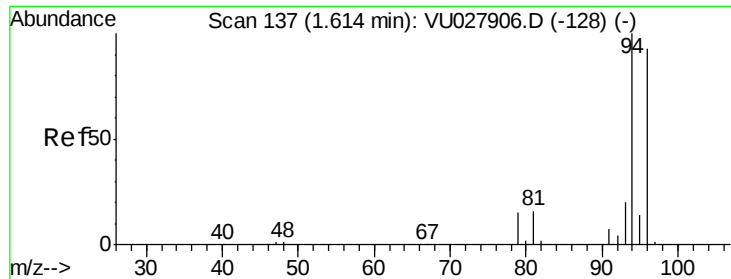
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11/2/2018 9:00:14 AM



#4
Vinyl Chloride
Concen: 46.243 ug/l
RT: 1.40 min Scan# 71
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.2	37.8





#5

Bromomethane

Concen: 41.091 ug/l

RT: 1.61 min Scan# 137

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 54271

Ion Ratio Lower Upper

94 100

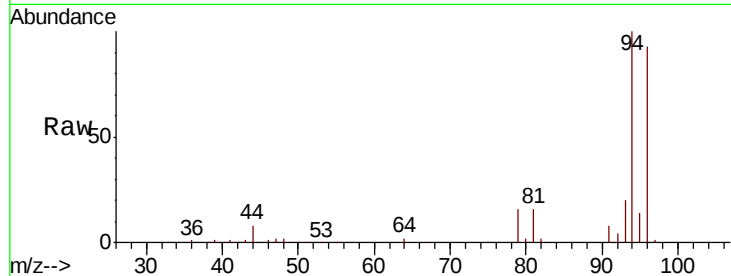
96 93.5 74.8 112.2

Manual Integrations

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11/2/2018 9:00:14 AM

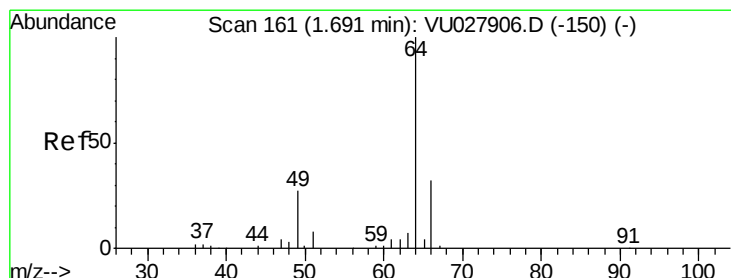
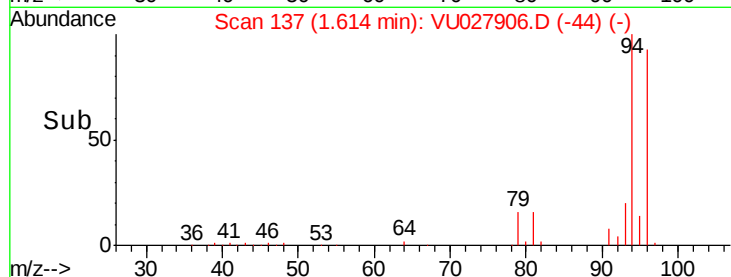


Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027906.D (-128) (-)

1.61

Time-->



#6

Chloroethane

Concen: 43.803 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.00 min

Lab File: VU027906.D

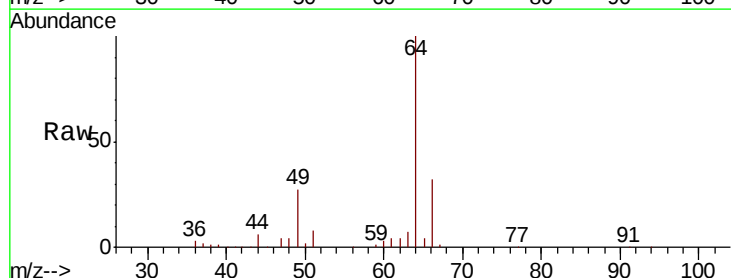
Acq: 01 Nov 2018 19:35

Tgt Ion: 64 Resp: 80963

Ion Ratio Lower Upper

64 100

66 32.4 25.9 38.9

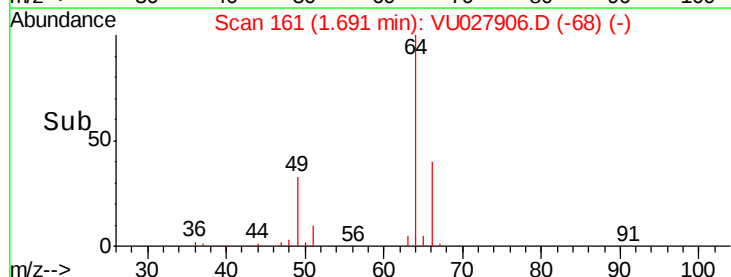


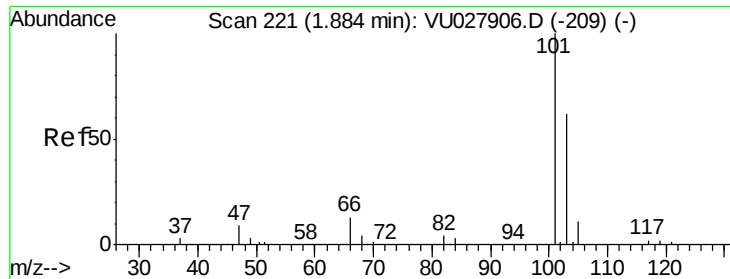
Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU027906.D (-150) (-)

1.69

Time-->





#7

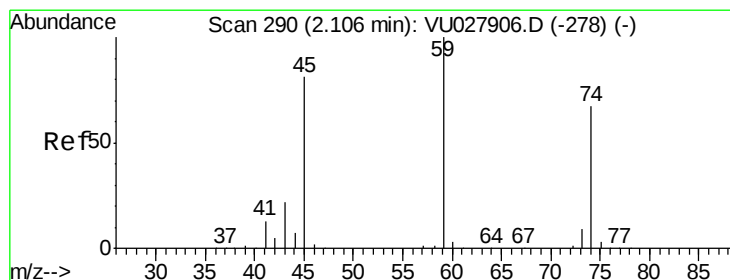
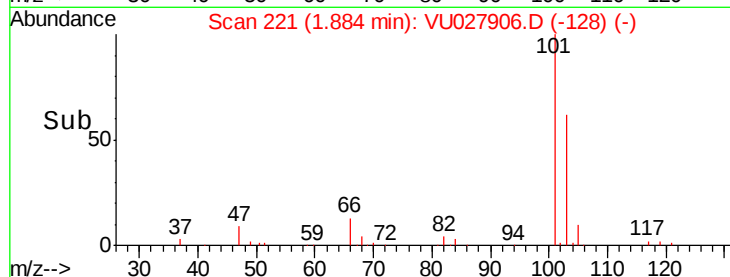
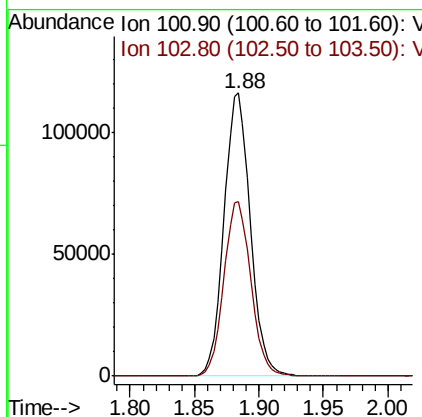
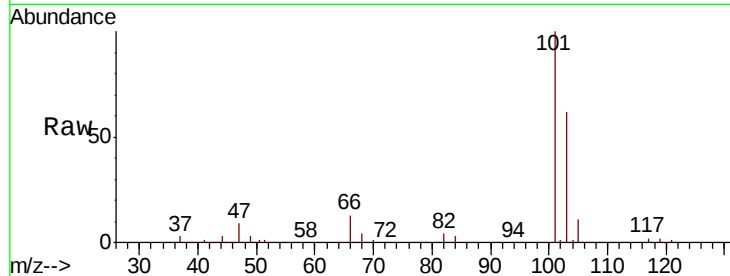
Trichlorofluoromethane
Concen: 51.629 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	49.4	74.2

Manual Integrations
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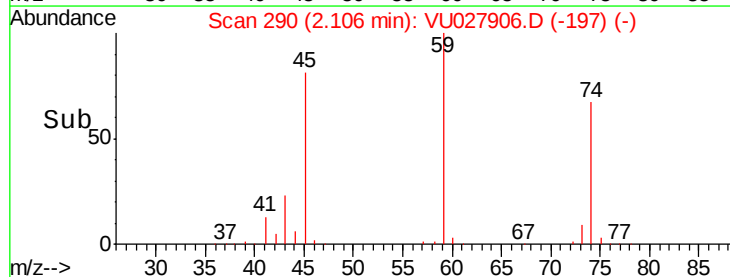
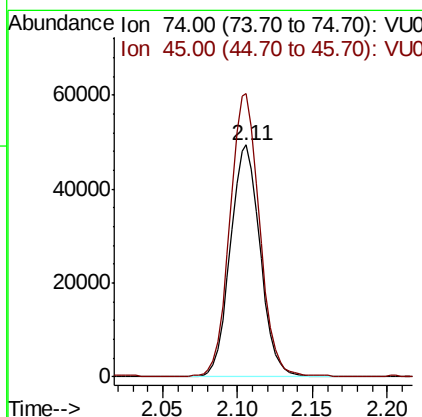
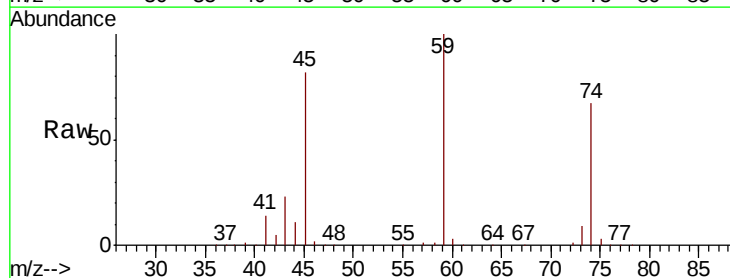
MMDadoda
11/2/2018 9:00:14 AM

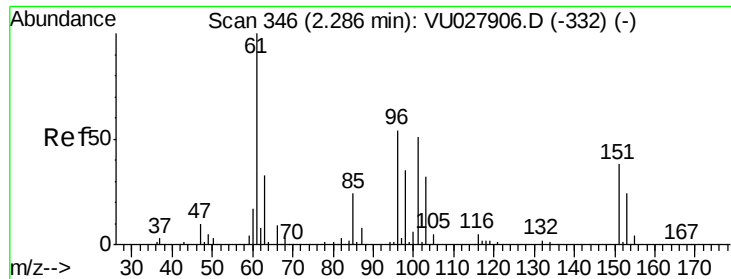


#8

Diethyl Ether
Concen: 47.349 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.0	60.5	181.5





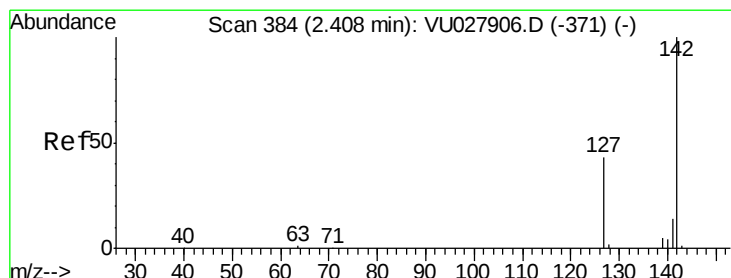
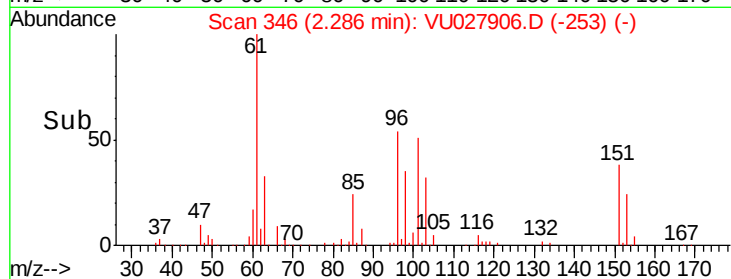
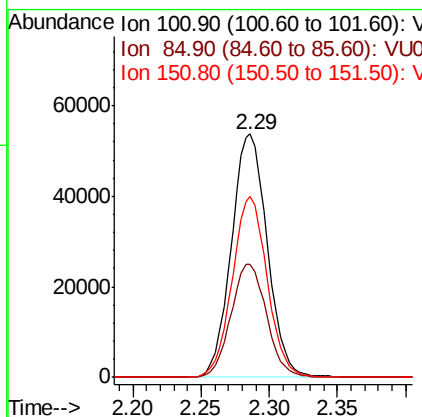
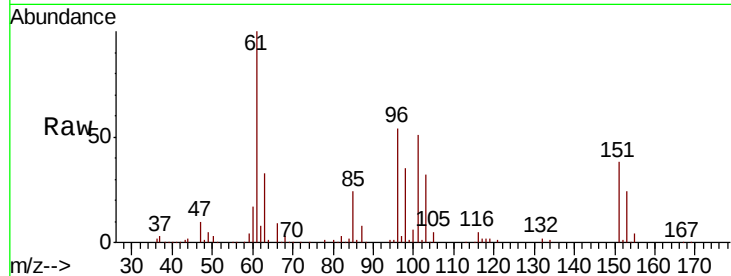
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.868 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Instrument :
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 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.9	55.3
151	72.5	58.0	87.0

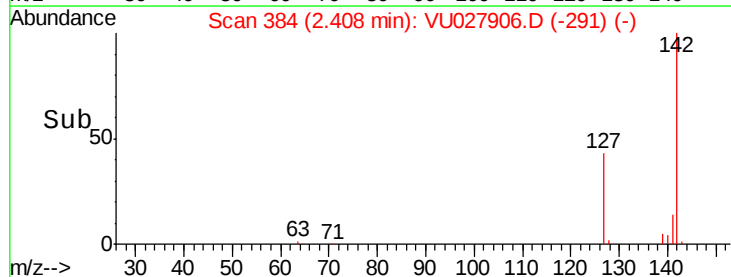
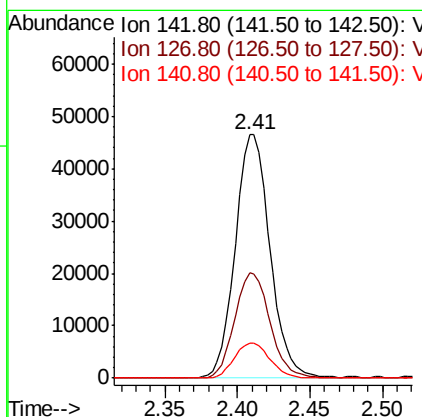
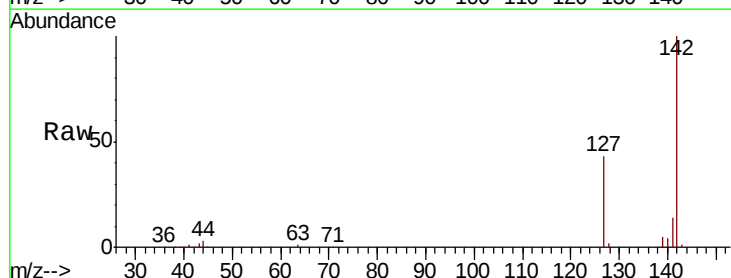
Manual Integrations
 APPROVED

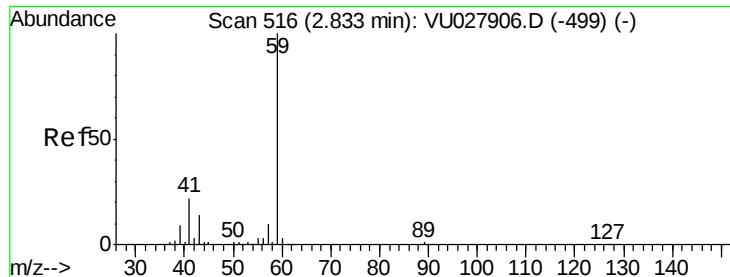
MMDadoda
 11/2/2018 9:00:14 AM



#10
 Methyl Iodide
 Concen: 56.803 ug/l
 RT: 2.41 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.0	35.2	52.8
141	14.8	11.8	17.8





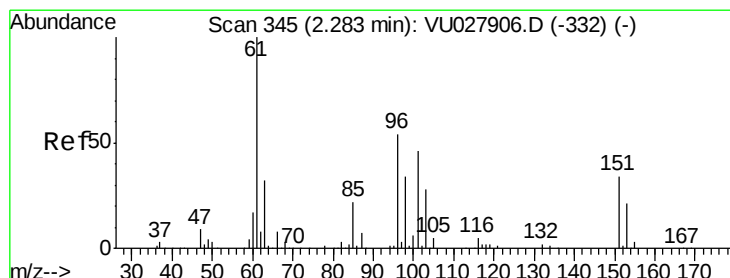
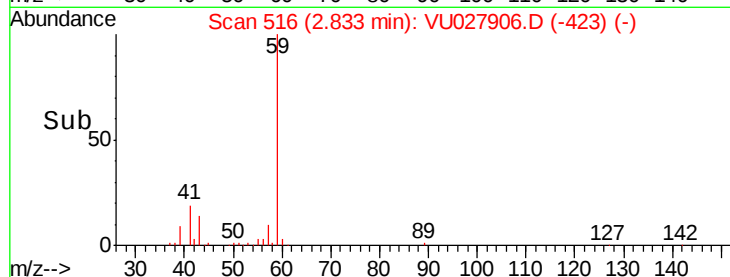
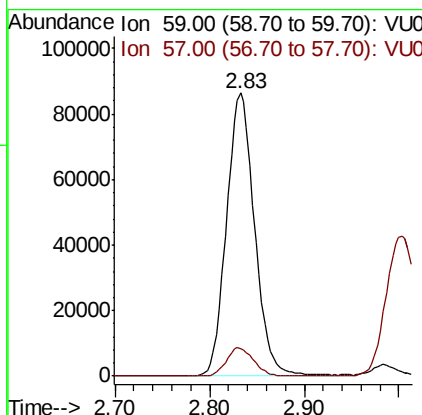
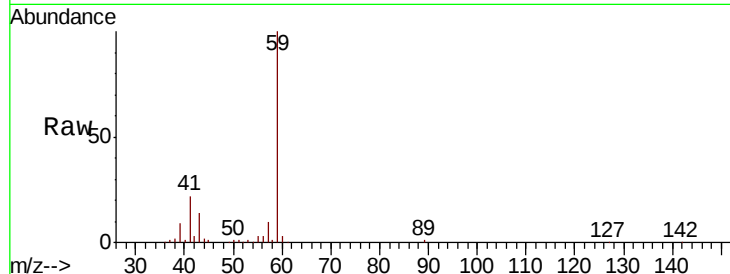
#11
Tert butyl alcohol
Concen: 284.561 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	59.00 (58.70 to 59.70): VU0	Resp	178113
Ion Ratio	59	100	Lower Upper
	57	9.8	7.8 11.8

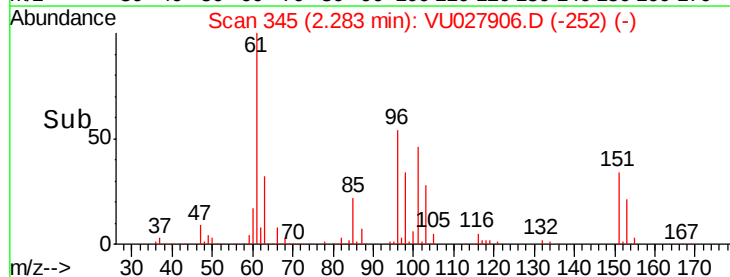
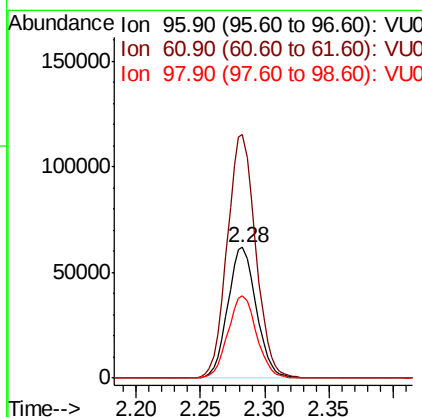
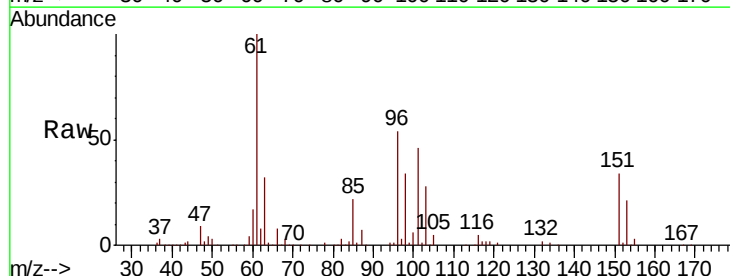
Manual Integrations
APPROVED

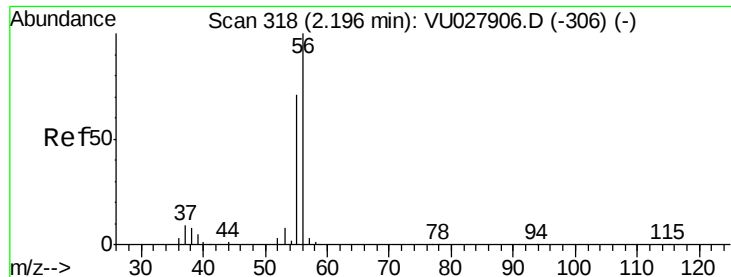
MMDadoda
11/2/2018 9:00:14 AM



#12
1,1-Dichloroethene
Concen: 52.585 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	96	Resp	95370
Ion Ratio	96	100	Lower Upper
	61	186.6	149.3 223.9
	98	63.2	50.6 75.8





#13

Acrolein

Concen: 134.739 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 61464

Ion Ratio Lower Upper

56 100

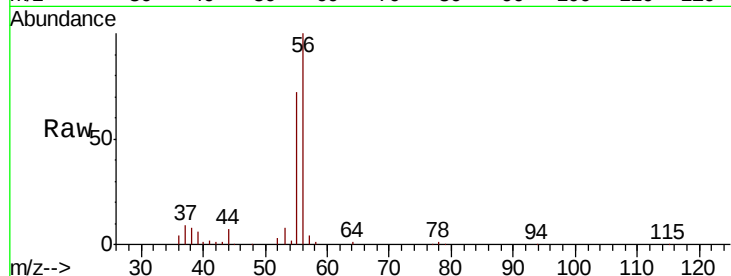
55 70.3 56.2 84.4

Manual Integrations

APPROVED

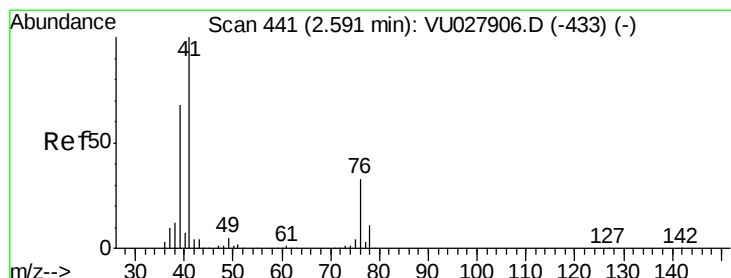
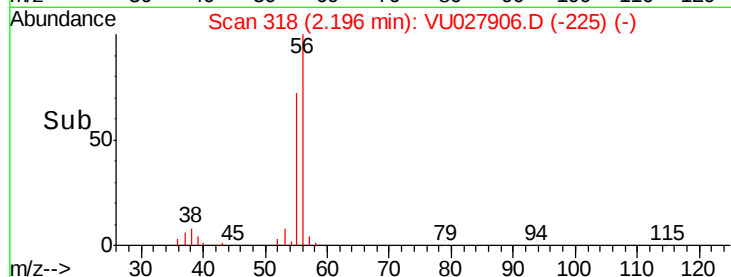
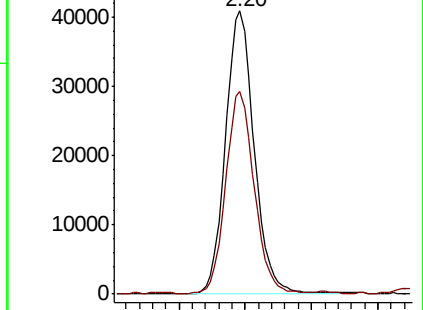
MMDadoda

11/2/2018 9:00:14 AM



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)



#14

Allyl chloride

Concen: 52.620 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

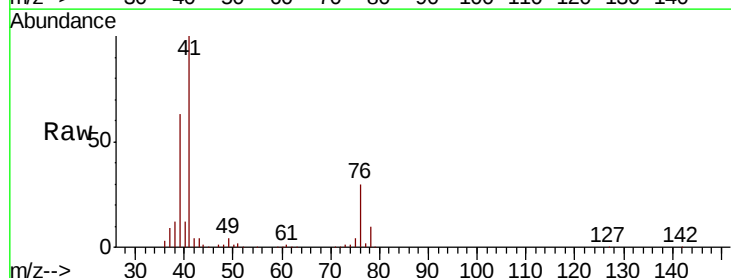
Tgt Ion: 41 Resp: 226470

Ion Ratio Lower Upper

41 100

39 64.9 51.9 77.9

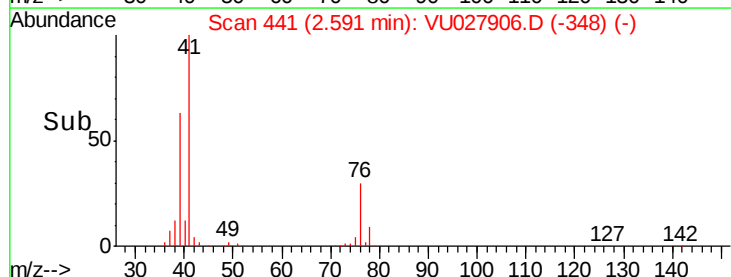
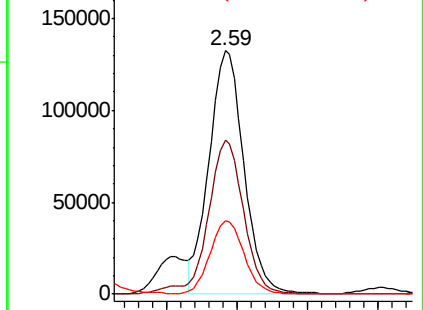
76 29.7 23.8 35.6

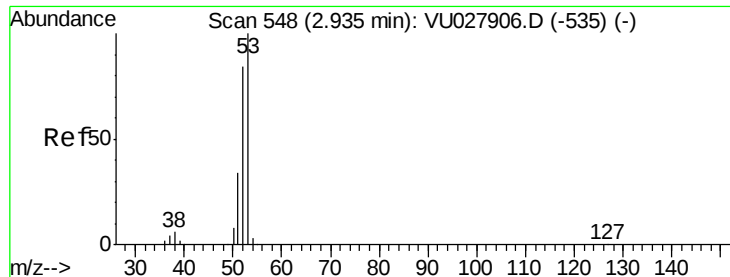


Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU027906.D (-433) (-)





#15

Acrylonitrile

Concen: 286.148 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Instrument :

MSVOA_U

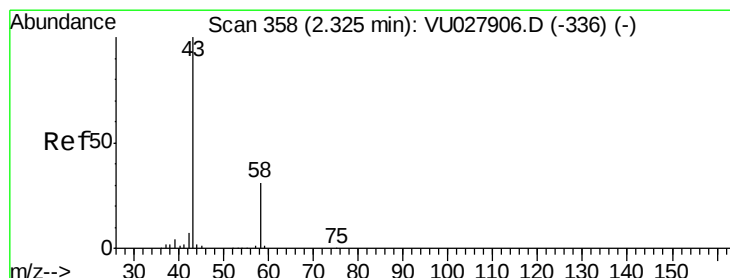
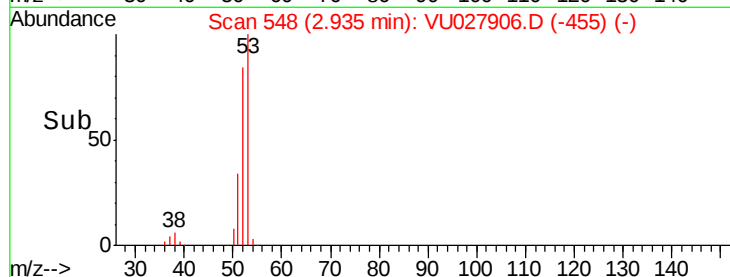
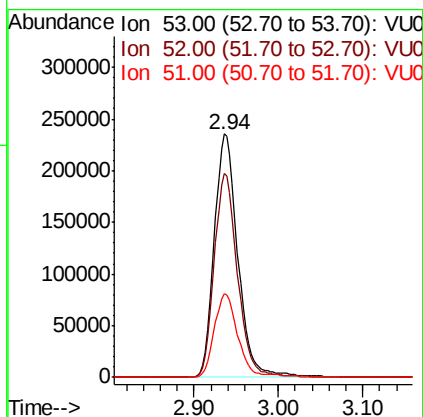
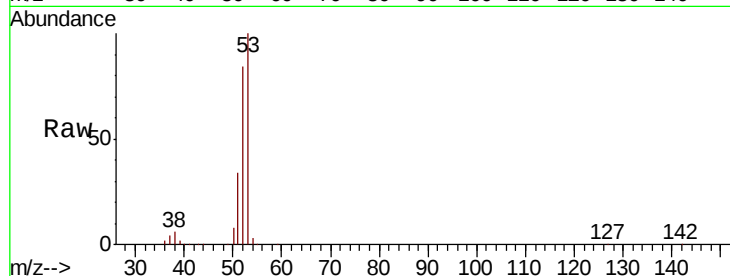
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	457992
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	33.7	27.0	40.4

Manual Integrations
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MMDadoda
11/2/2018 9:00:14 AM



#16

Acetone

Concen: 240.169 ug/l

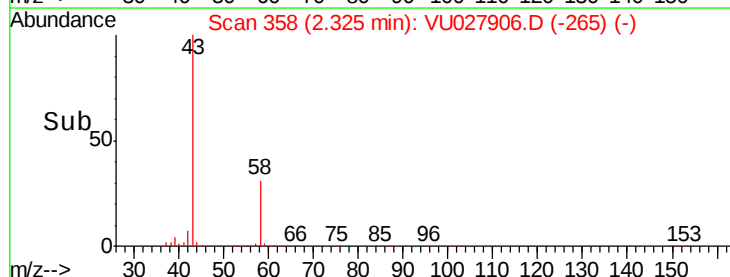
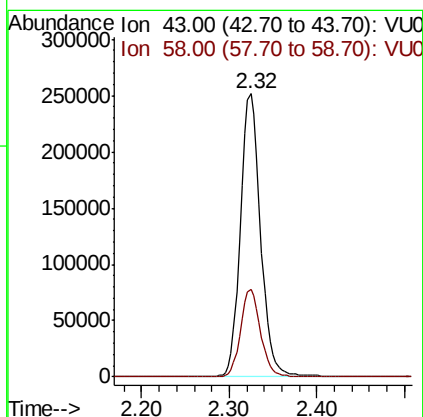
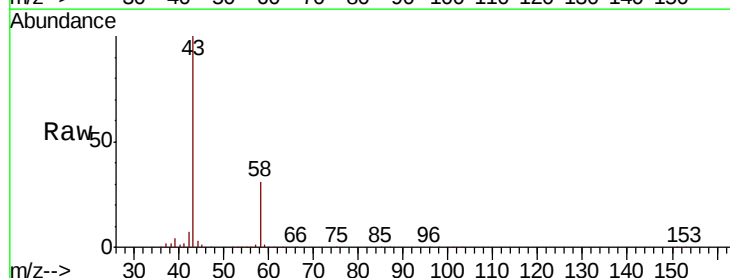
RT: 2.32 min Scan# 358

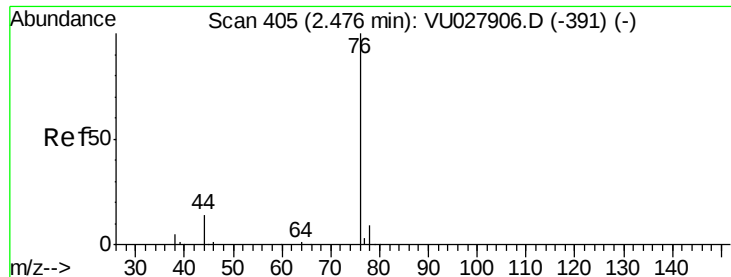
Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Tgt Ion:	43	Resp:	401838
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.6	37.0





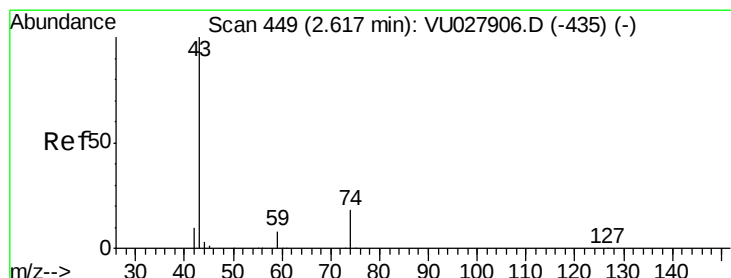
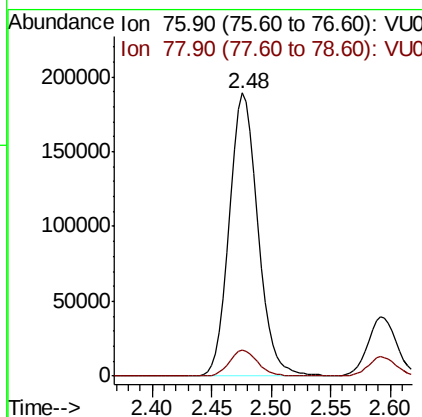
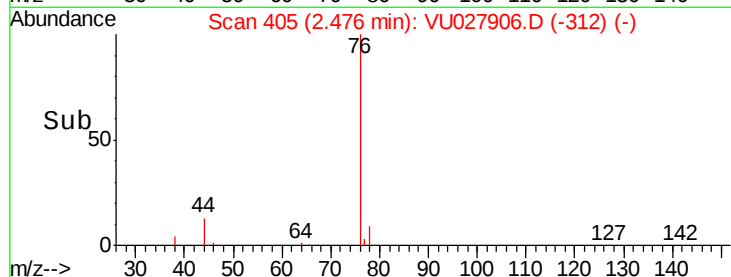
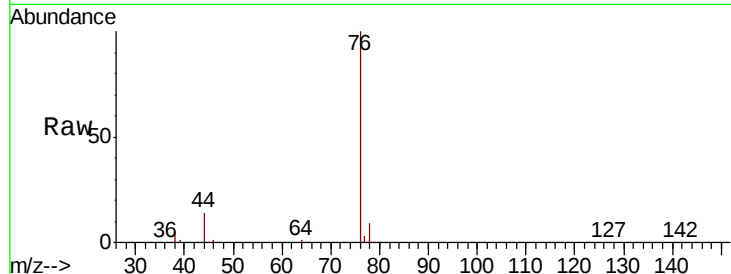
#17
Carbon Disulfide
Concen: 48.767 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

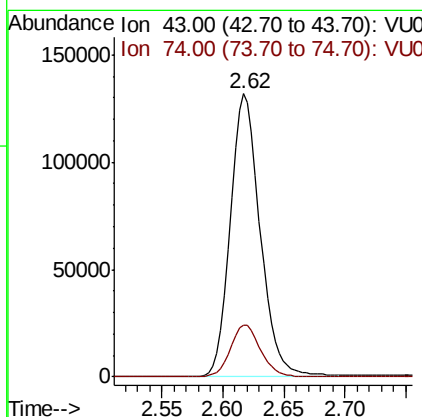
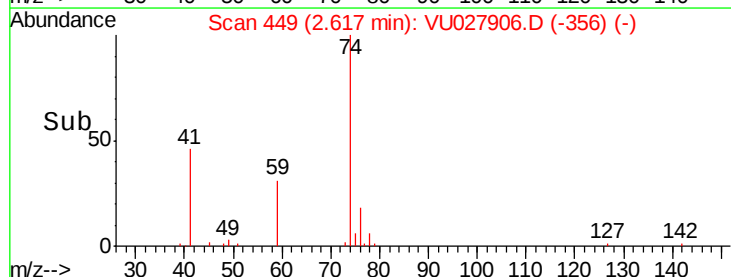
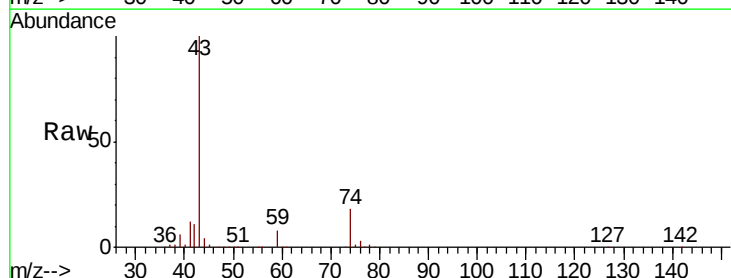
Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:00:14 AM



#18
Methyl Acetate
Concen: 56.712 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.6	14.9	22.3





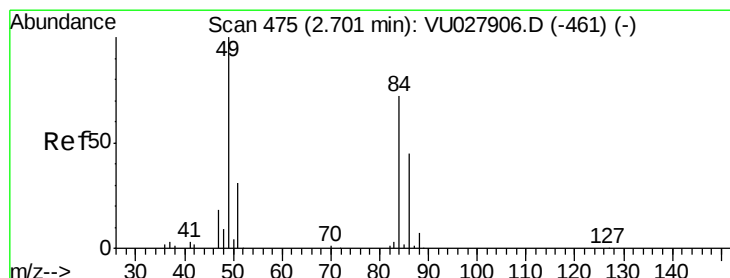
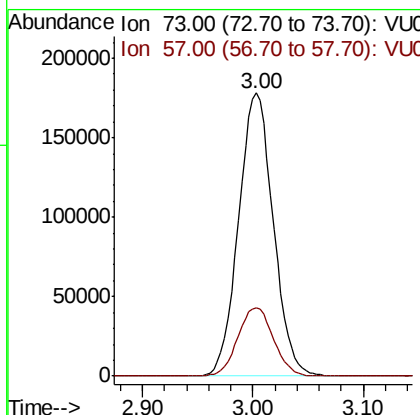
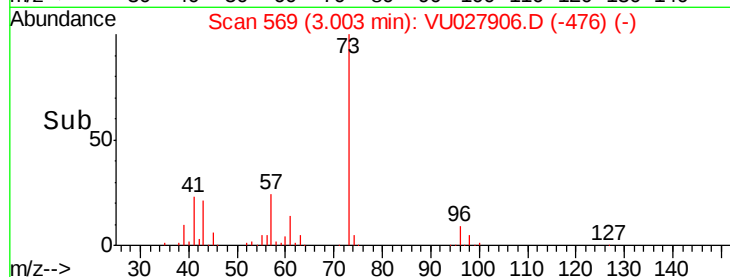
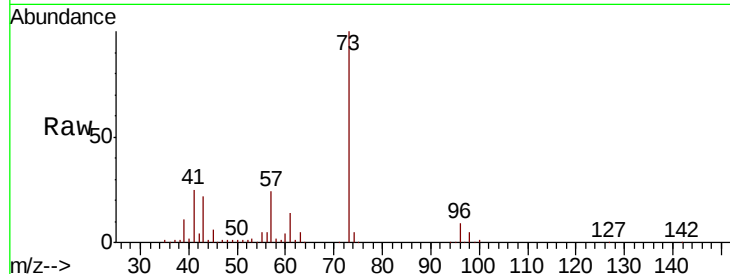
#19
Methvl tert-butvl Ether
Concen: 53.261 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.3	28.9

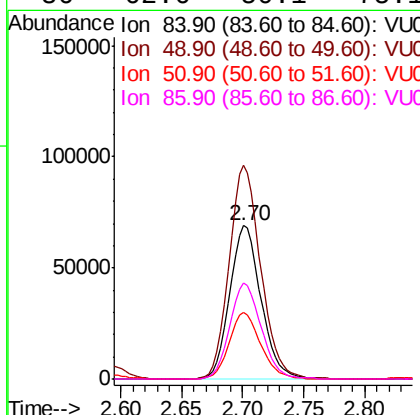
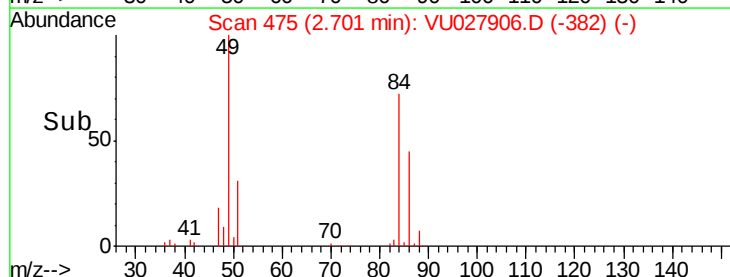
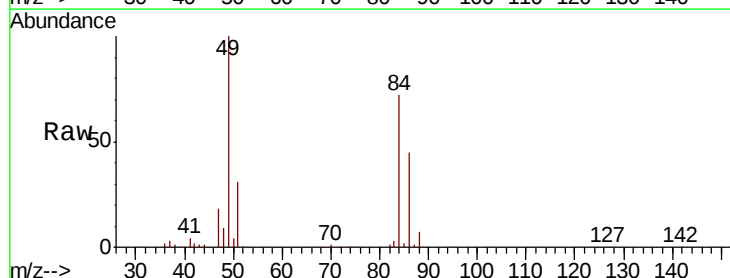
Manual Integrations
APPROVED

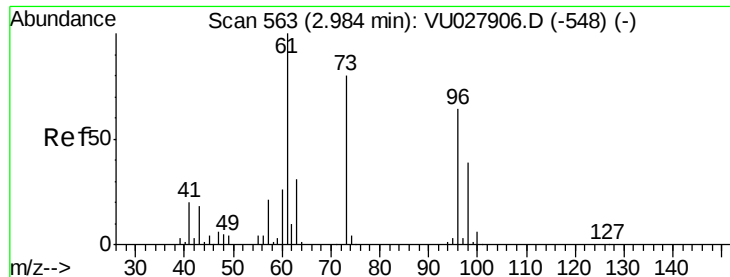
MMDadoda
11/2/2018 9:00:14 AM



#20
Methylene Chloride
Concen: 52.025 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.5	111.6	167.4
51	43.5	34.8	52.2
86	62.6	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 53.669 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Instrument :

MSVOA_U

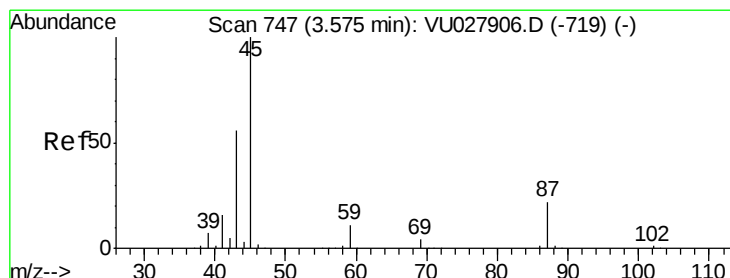
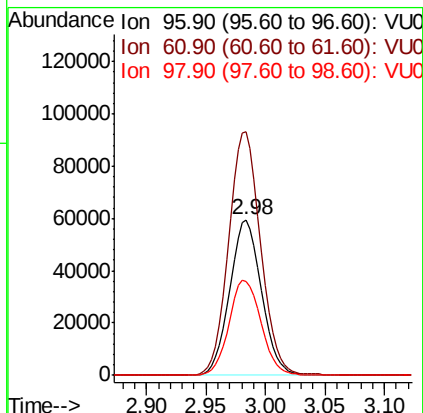
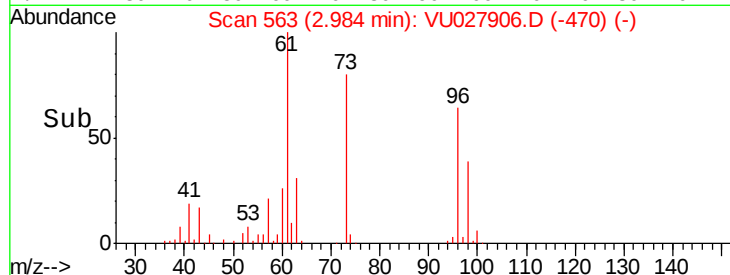
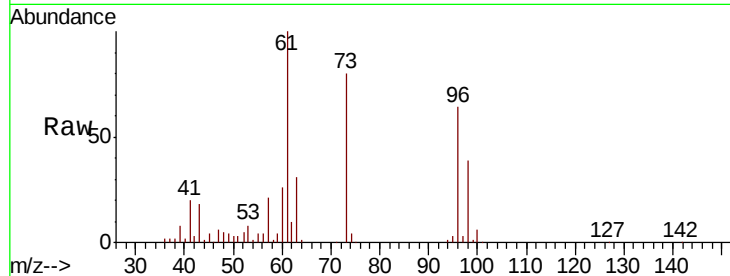
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	110137
Ion	Ratio	Lower	Upper
96	100		
61	156.3	125.0	187.6
98	60.3	48.2	72.4

Manual Integrations
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MMDadoda
11/2/2018 9:00:14 AM



#22

Diisopropyl ether

Concen: 55.311 ug/l

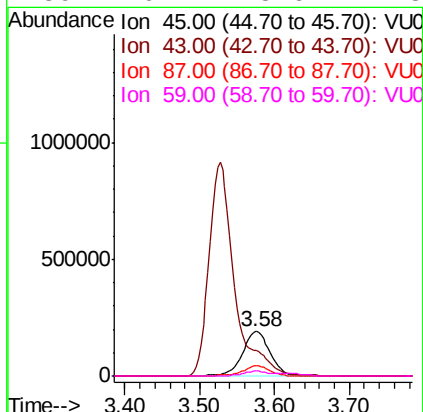
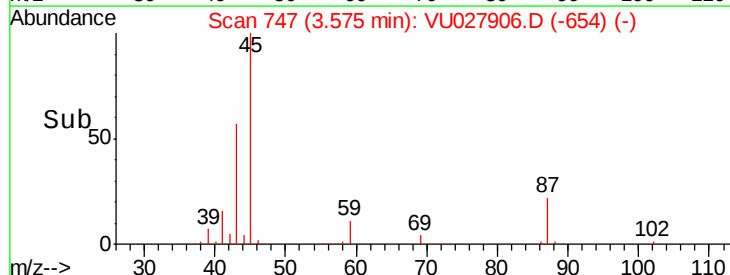
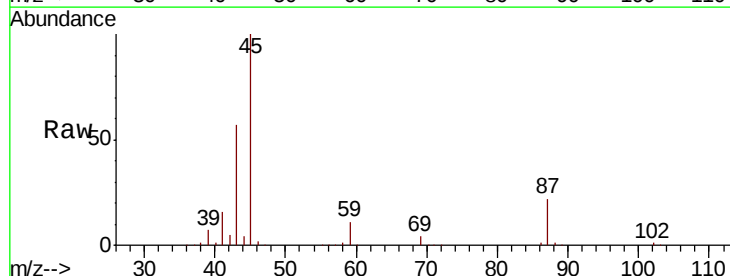
RT: 3.58 min Scan# 747

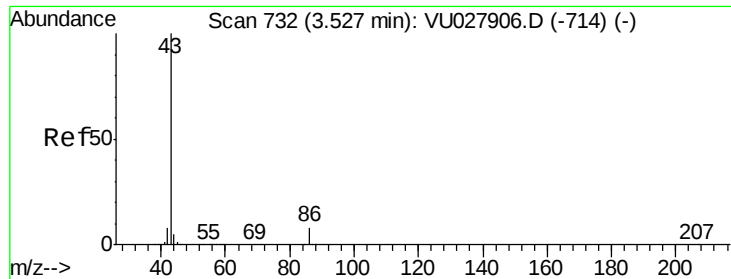
Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Tgt Ion:	45	Resp:	488520
Ion	Ratio	Lower	Upper
45	100		
43	56.3	45.0	67.6
87	22.4	17.9	26.9
59	10.7	8.6	12.8





#23

Vinyl Acetate

Concen: 281.077 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2166848

Ion Ratio Lower Upper

43 100

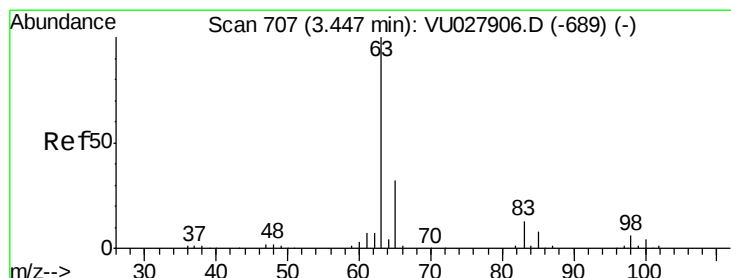
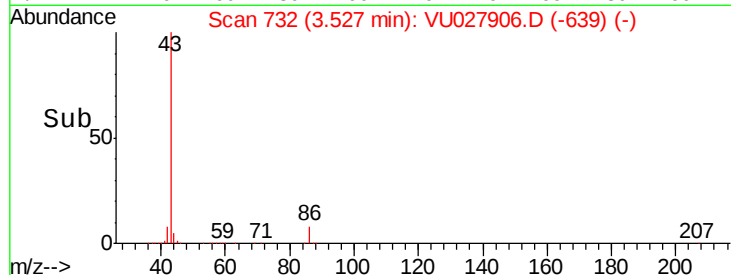
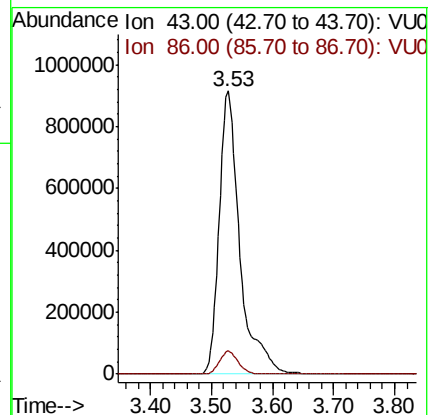
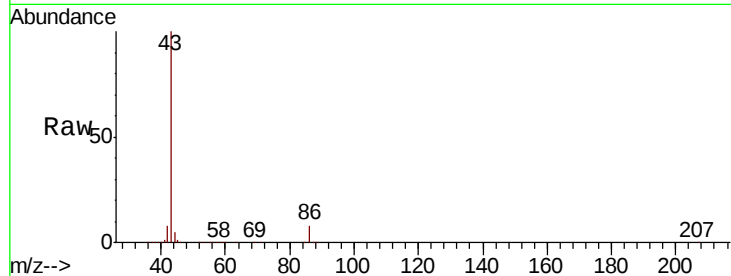
86 8.2 6.6 9.8

Manual Integrations

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MMDadoda

11/2/2018 9:00:14 AM



#24

1,1-Dichloroethane

Concen: 53.100 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

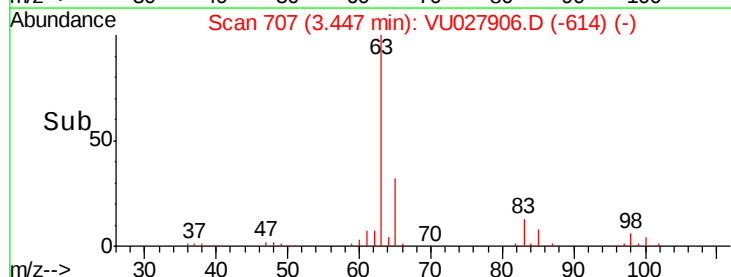
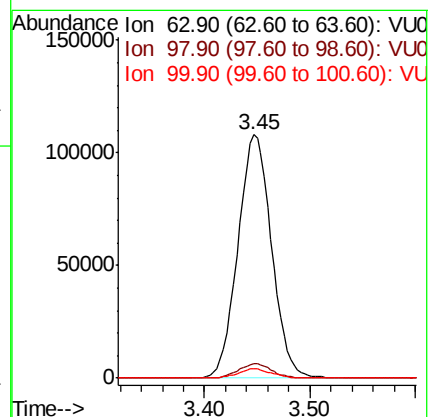
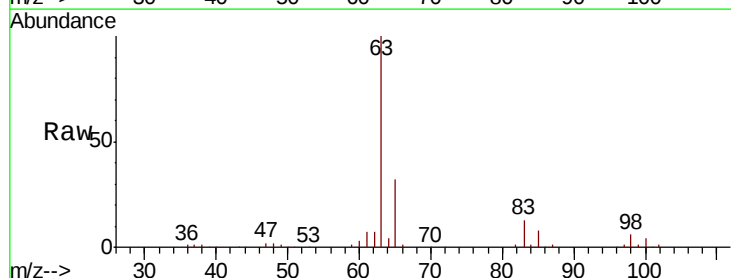
Tgt Ion: 63 Resp: 239234

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 293.340 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 691257

Ion Ratio Lower Upper

43 100

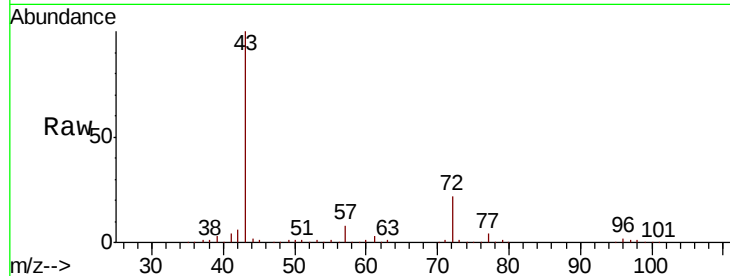
72 22.1 17.7 26.5

Manual Integrations

APPROVED

MMDadoda

11/2/2018 9:00:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

300000

250000

200000

150000

100000

50000

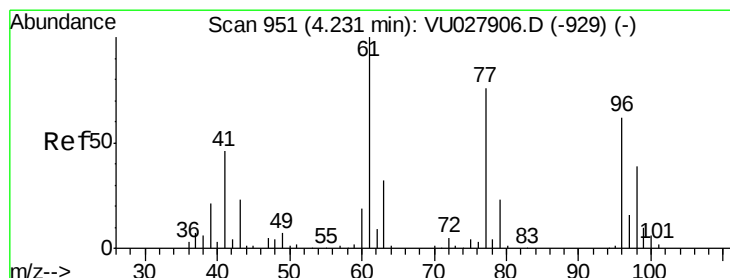
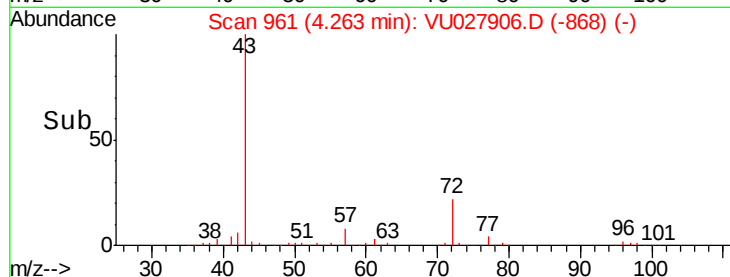
0

4.26

4.20

4.30

Time-->



#26

2,2-Dichloropropane

Concen: 47.812 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027906.D

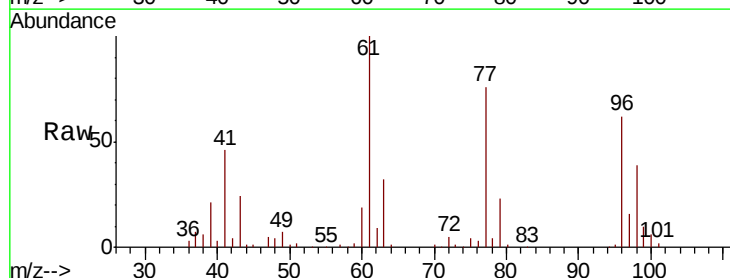
Acq: 01 Nov 2018 19:35

Tgt Ion: 77 Resp: 174373

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

60000

40000

20000

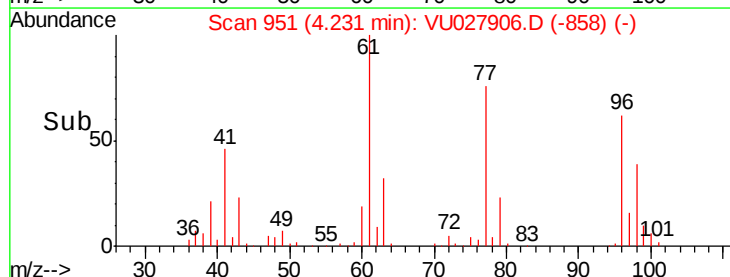
0

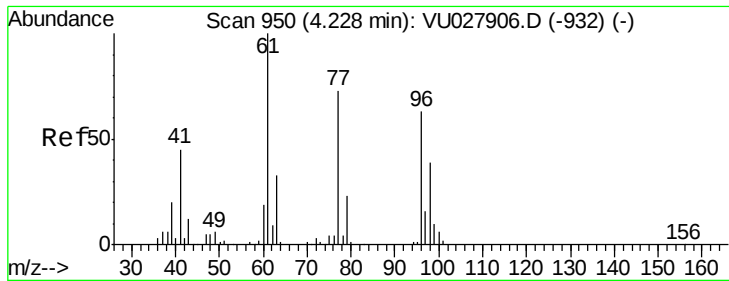
4.23

4.20

4.30

Time-->





#27

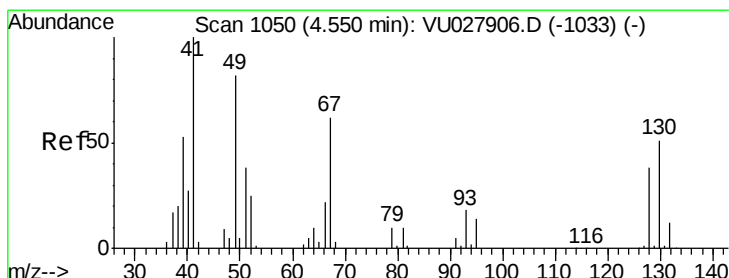
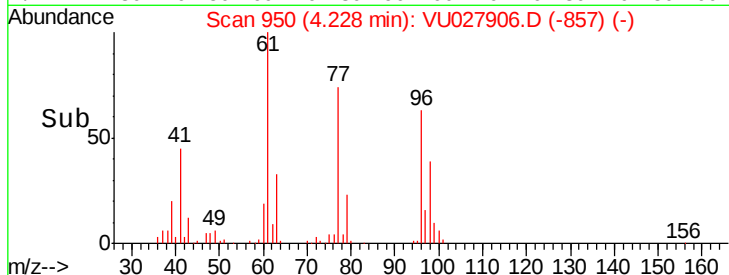
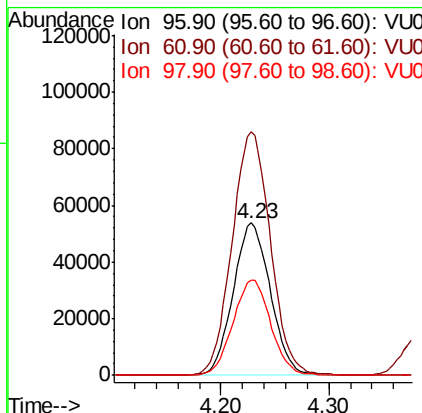
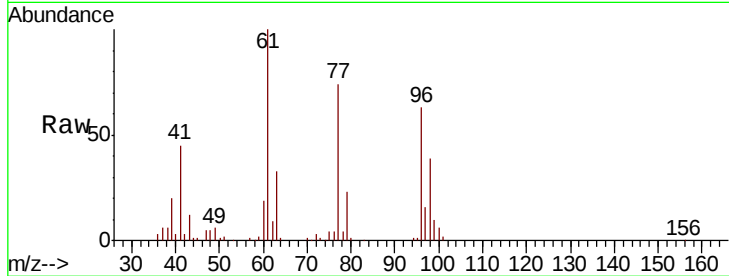
cis-1,2-Dichloroethene
Concen: 54.839 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	129148		
61	164.8	0.0	329.6	
98	63.6	0.0	127.2	

Manual Integrations
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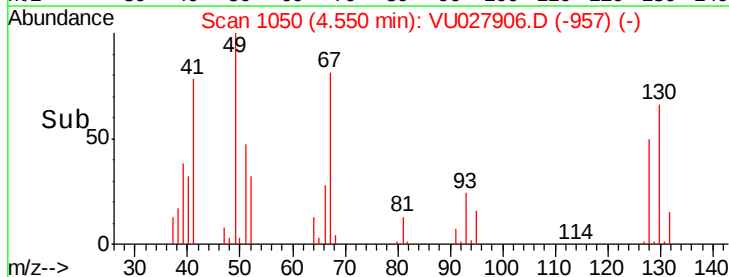
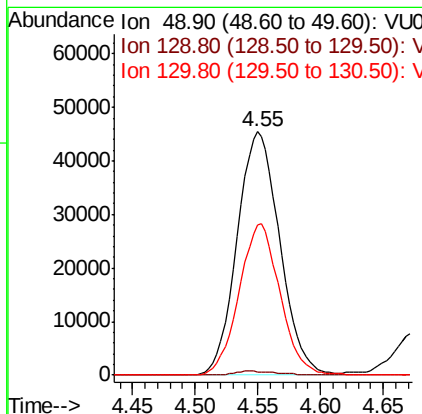
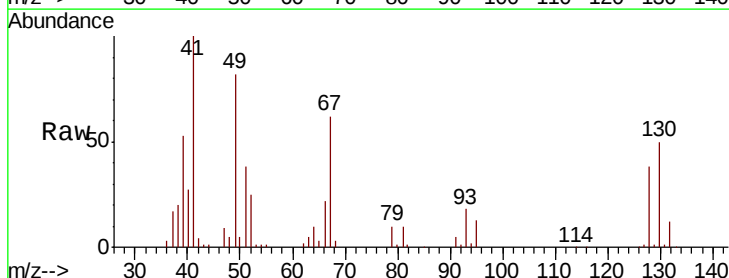
MMDadoda
11/2/2018 9:00:14 AM

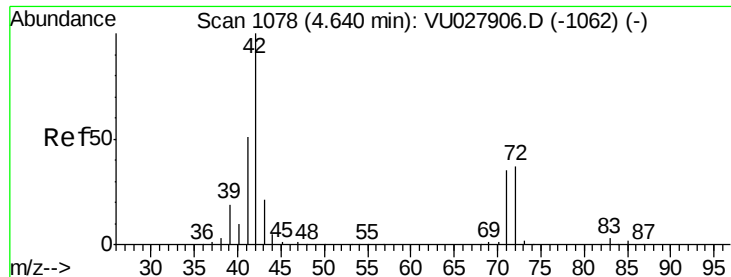


#28

Bromochloromethane
Concen: 50.228 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	107444		
129	1.5	0.0	3.0	
130	59.7	47.8	71.6	





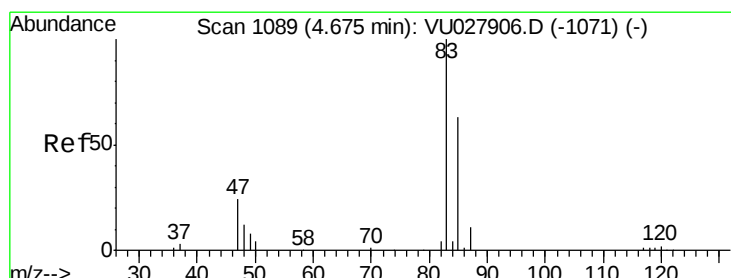
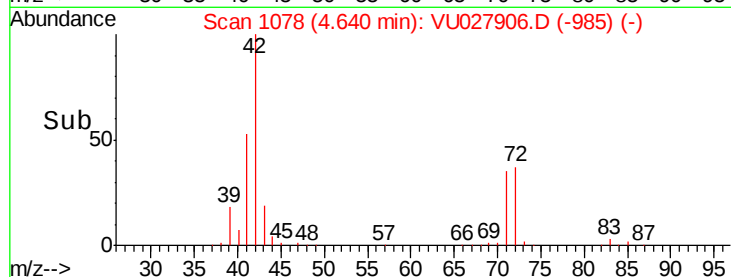
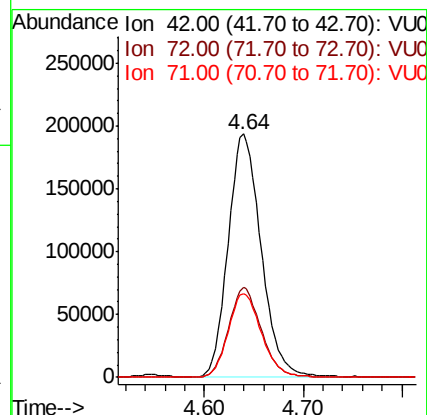
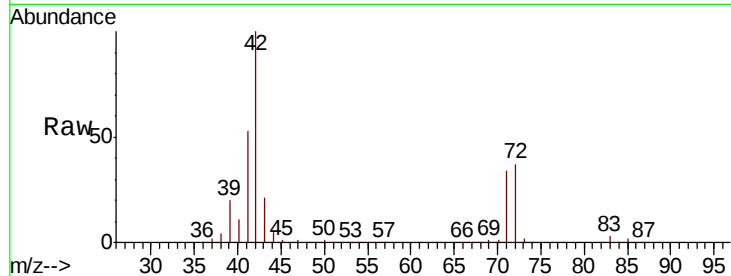
#29
Tetrahydrofuran
Concen: 301.306 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	29.4	44.0
71	34.9	27.9	41.9

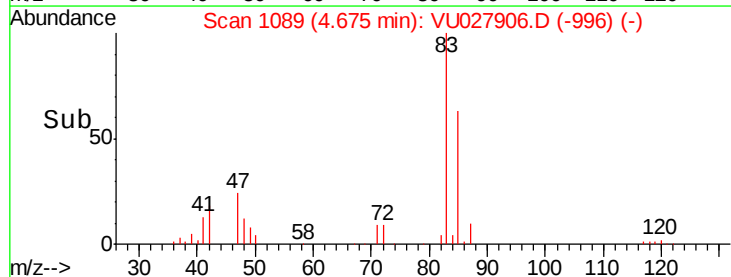
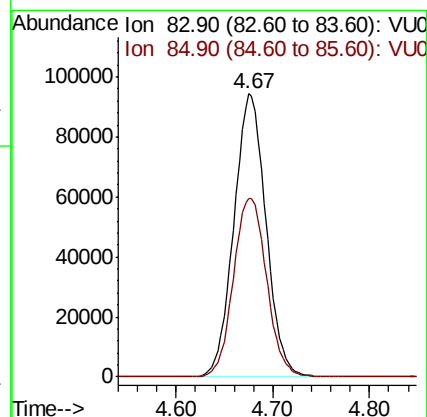
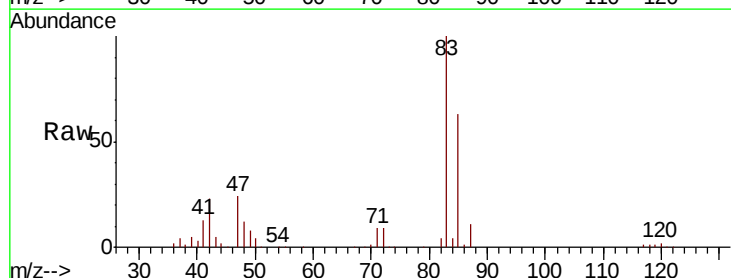
Manual Integrations
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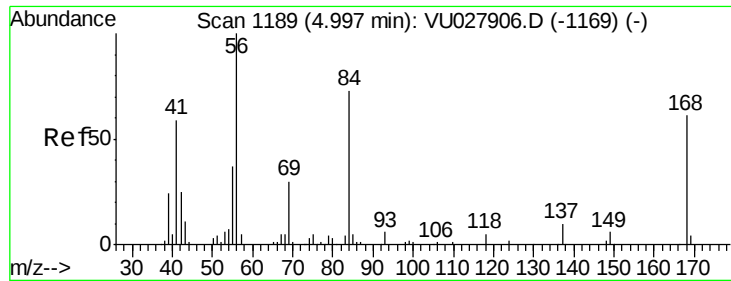
MMDadoda
11/2/2018 9:00:14 AM



#30
Chloroform
Concen: 54.082 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0





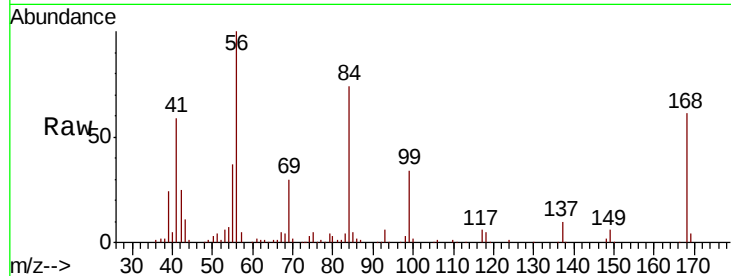
#31
Cyclohexane
Concen: 44.004 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

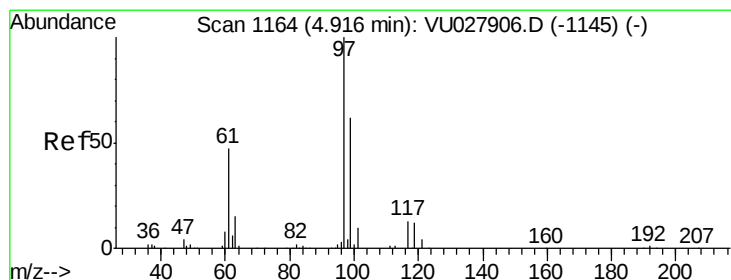
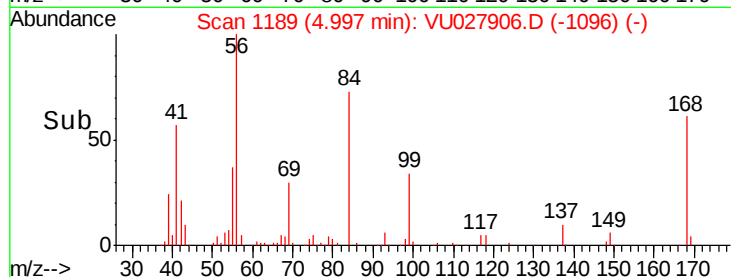
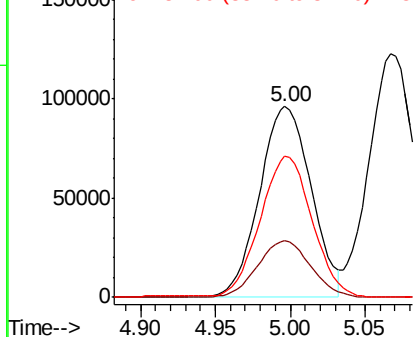
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.7	35.5
84	72.8	58.2	87.4

Manual Integrations
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11/2/2018 9:00:14 AM



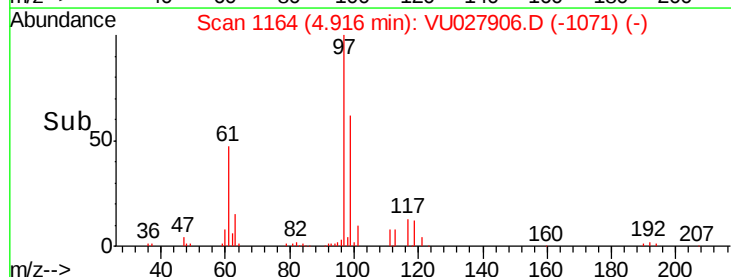
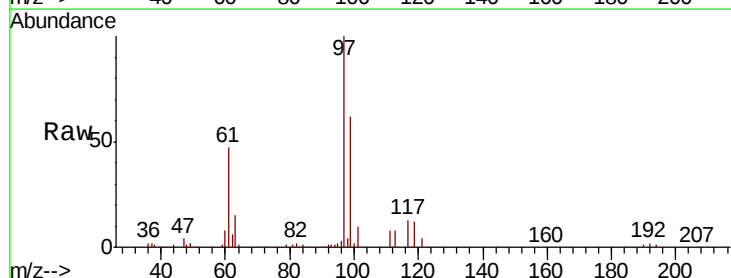
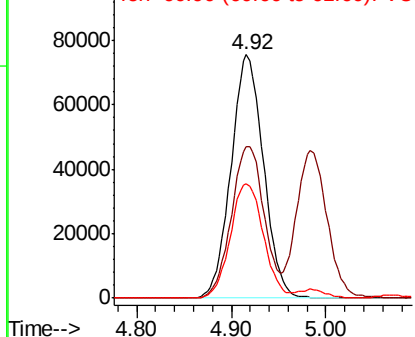
Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

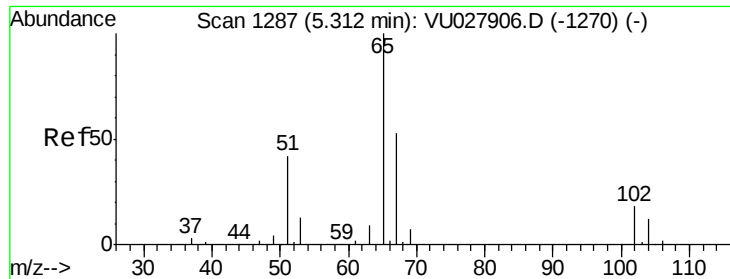


#32
1,1,1-Trichloroethane
Concen: 53.335 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.5	75.7
61	47.9	38.3	57.5

Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





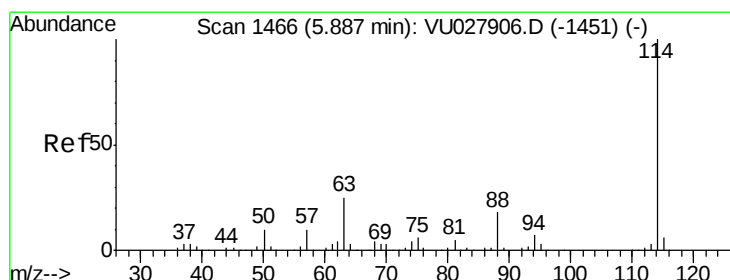
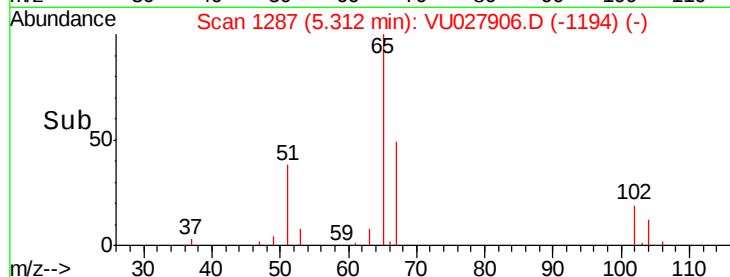
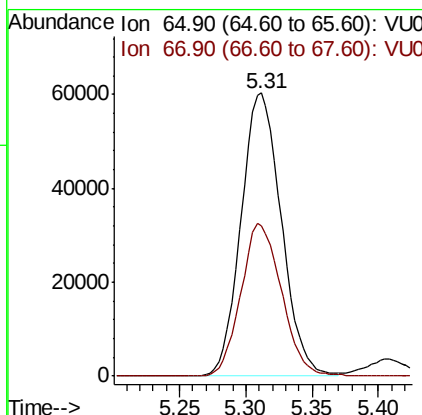
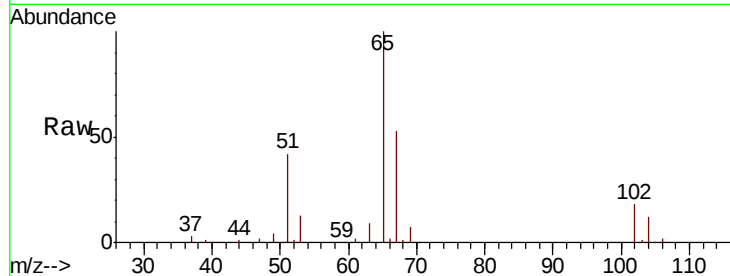
#33
 1,2-Dichloroethane-d4
 Concen: 44.935 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	109.0

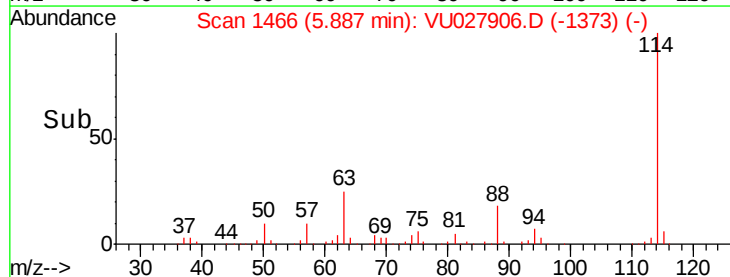
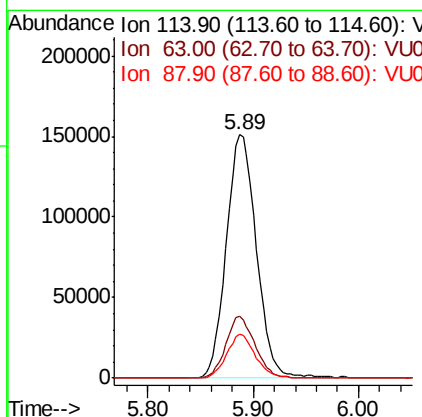
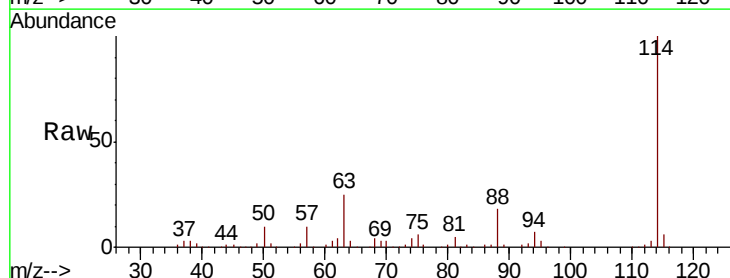
Manual Integrations
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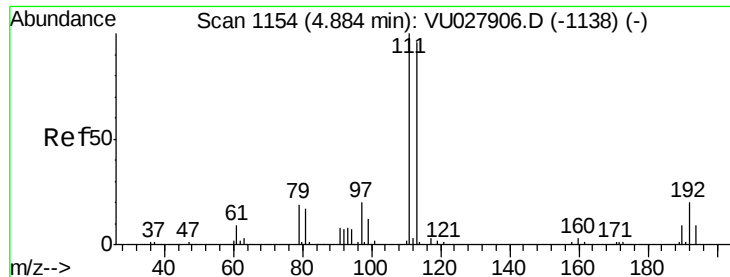
MMDadoda
 11/2/2018 9:00:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.4	0.0	50.8
88	17.9	0.0	35.8





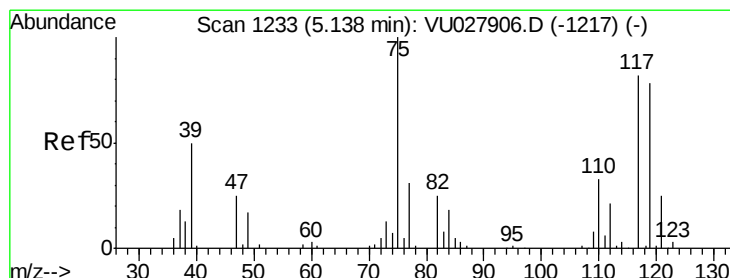
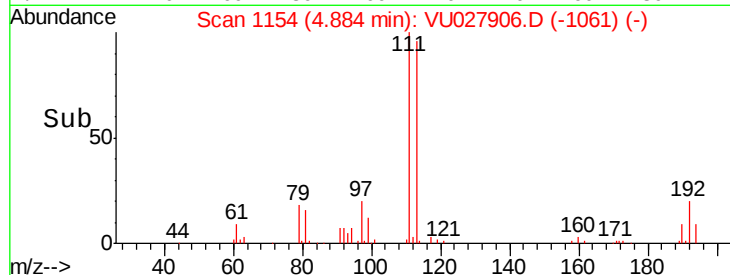
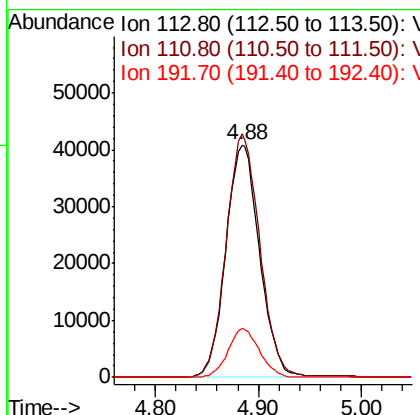
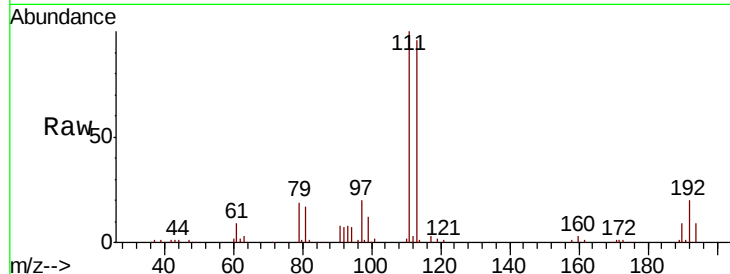
#35
 Dibromofluoromethane
 Concen: 45.944 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.0	124.6
192	19.5	15.6	23.4

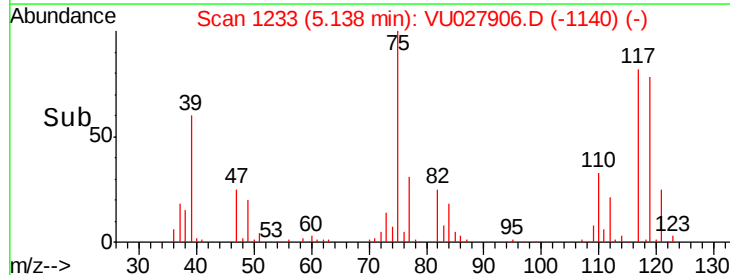
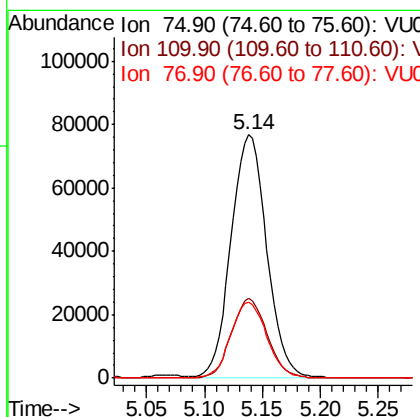
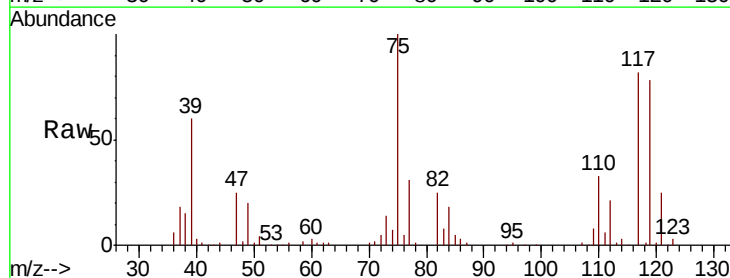
Manual Integrations
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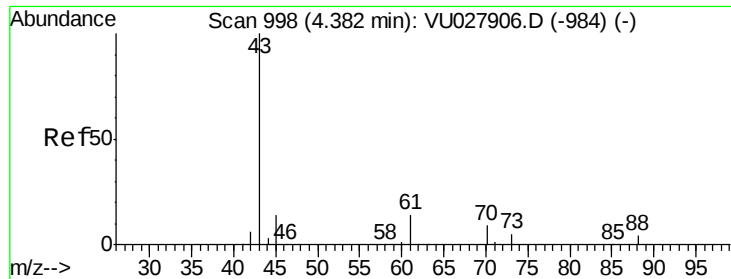
MMDadoda
 11/2/2018 9:00:14 AM



#36
 1,1-Dichloropropene
 Concen: 50.739 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.5	49.5
77	31.1	24.9	37.3





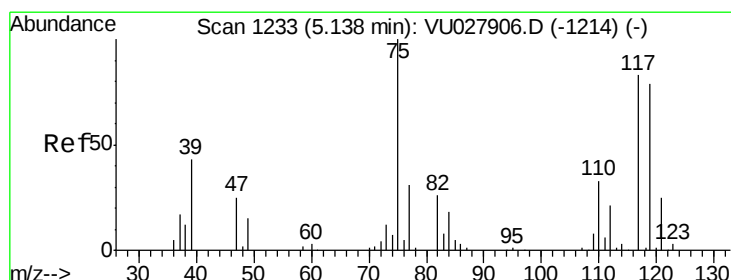
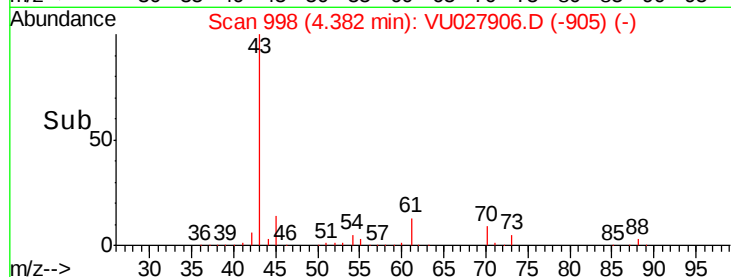
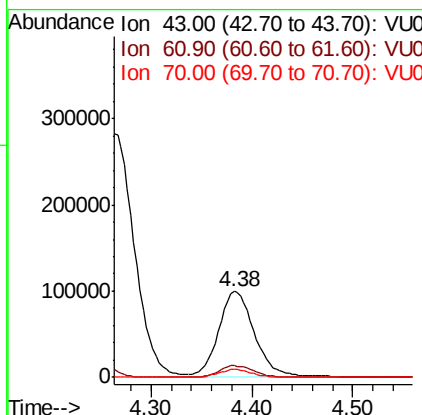
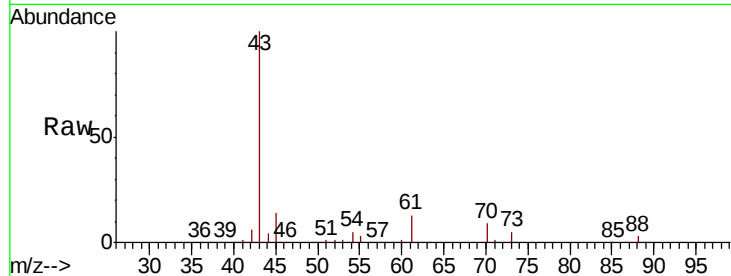
#37
Ethyl Acetate
Concen: 56.910 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.3	15.5
70	8.8	7.0	10.6

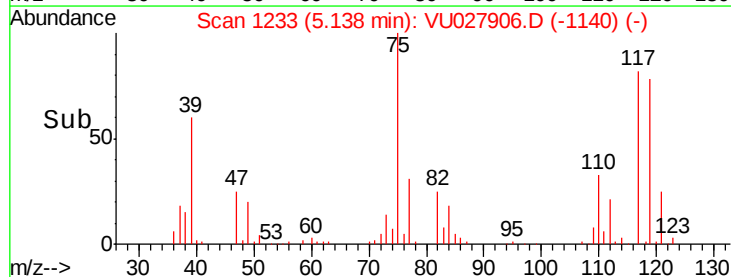
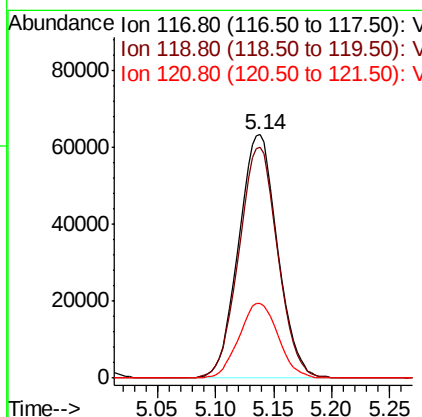
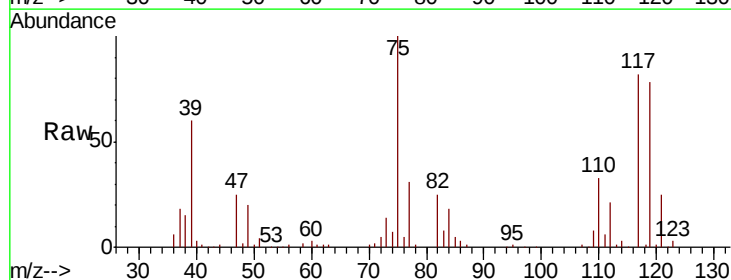
Manual Integrations
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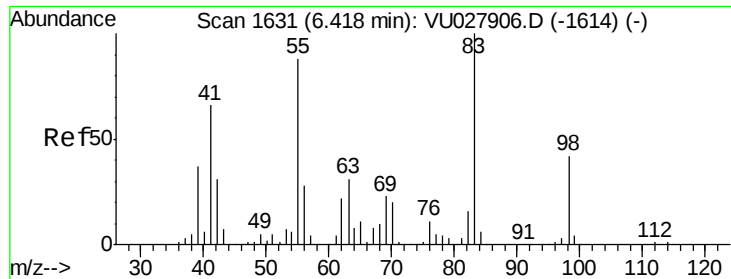
MMDadoda
11/2/2018 9:00:14 AM



#38
Carbon Tetrachloride
Concen: 50.898 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.0	114.0
121	30.6	24.5	36.7





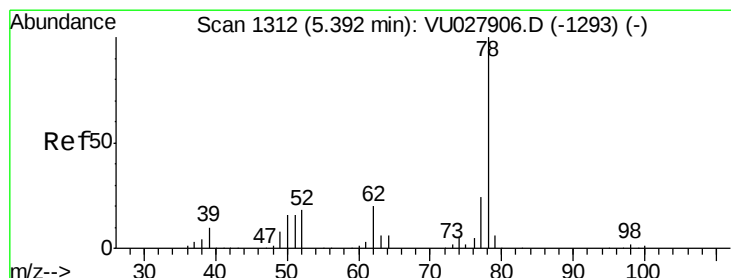
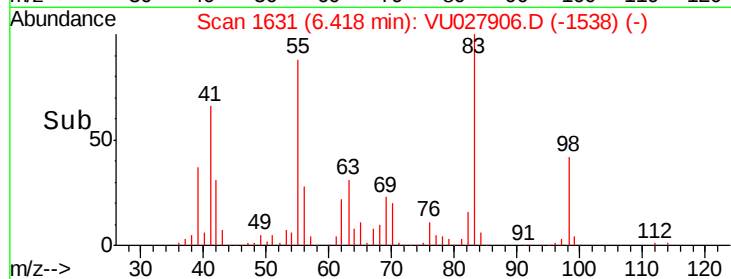
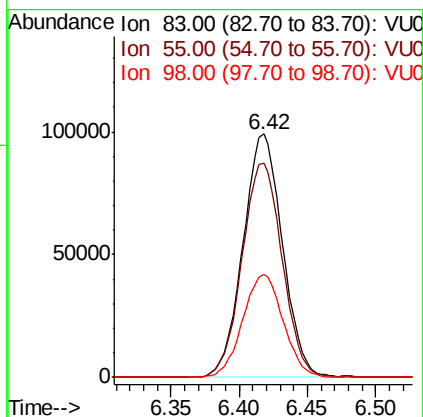
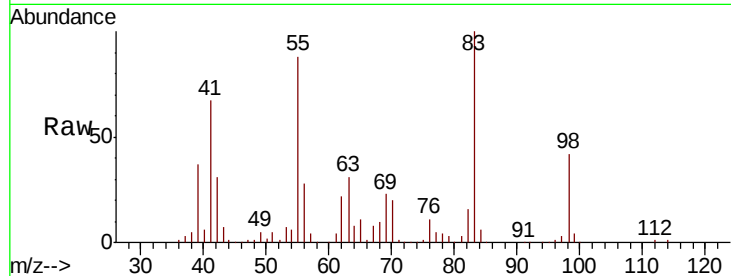
#39
Methvlcvclohexane
Concen: 52.719 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	83.00	Resp	199076
Ion	Ratio	Lower	Upper
83	100		
55	87.9	70.3	105.5
98	42.5	34.0	51.0

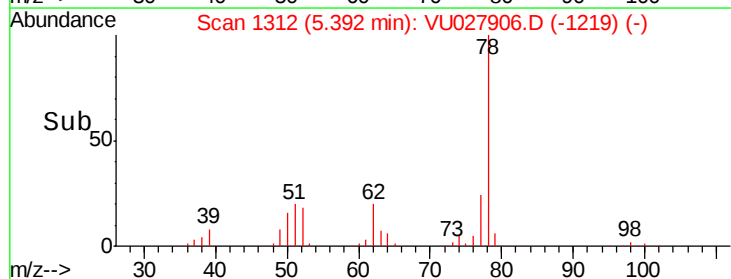
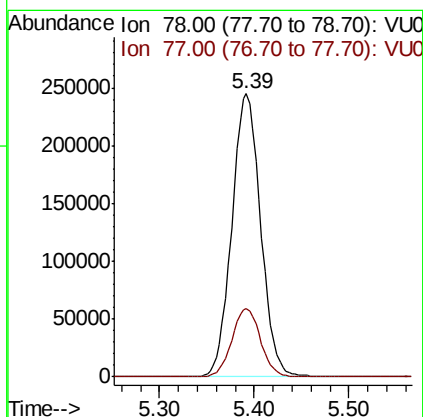
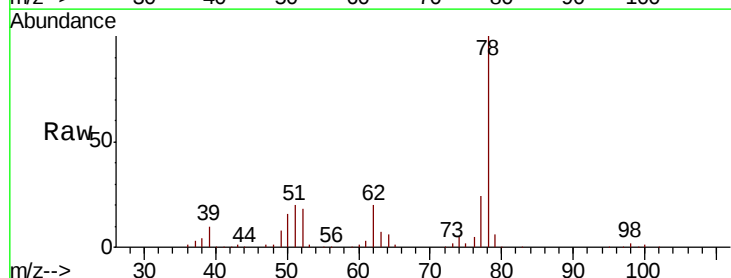
Manual Integrations
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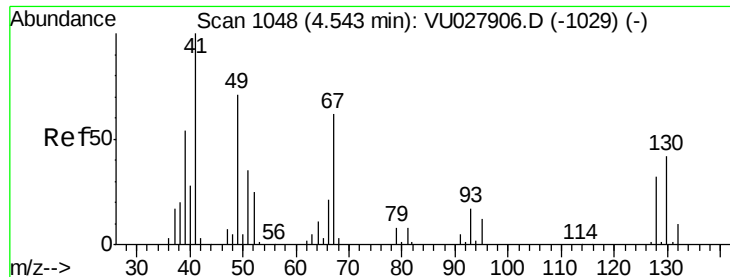
MMDadoda
11/2/2018 9:00:14 AM



#40
Benzene
Concen: 54.331 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	78.00	Resp	516798
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





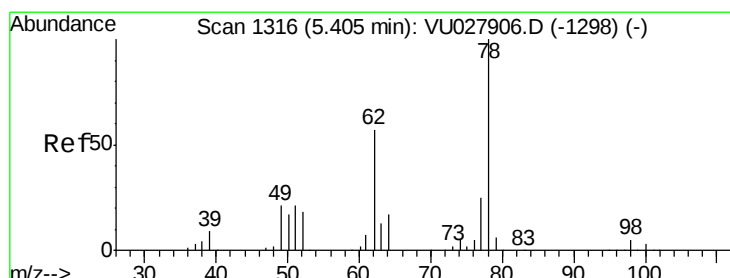
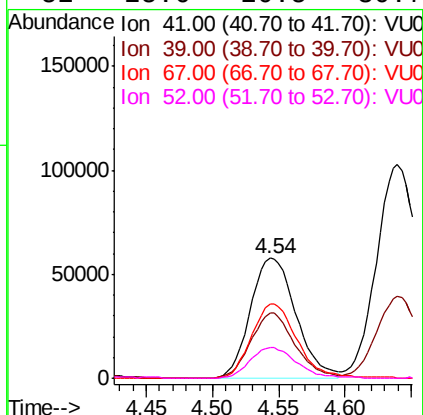
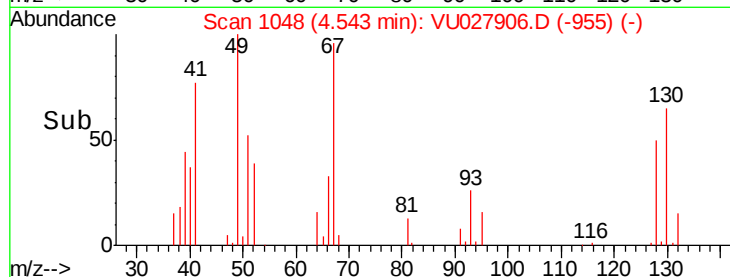
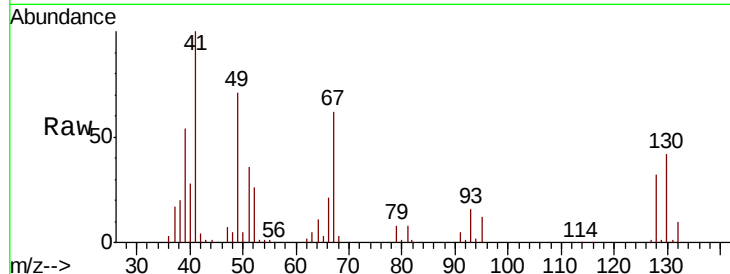
#41
Methacrylonitrile
Concen: 57.710 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	42.2	63.4	
67	61.9	49.5	74.3	
52	25.6	20.5	30.7	

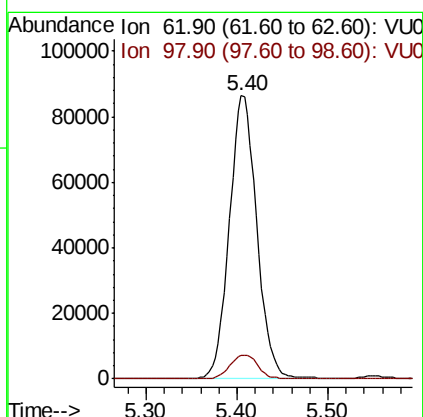
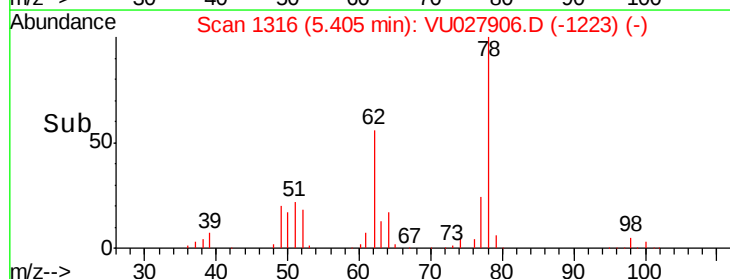
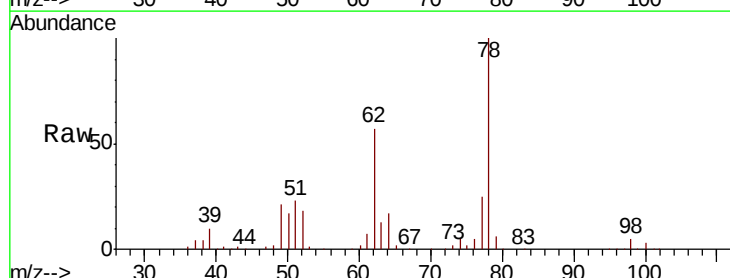
Manual Integrations
APPROVED

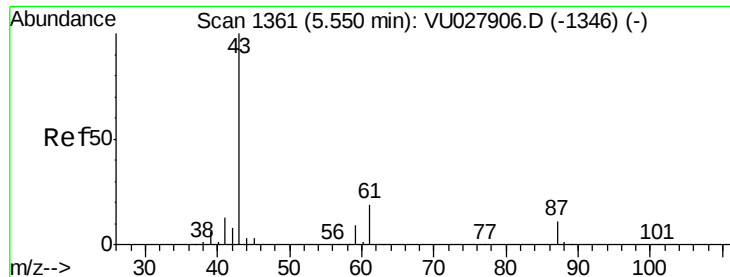
MMDadoda
11/2/2018 9:00:14 AM



#42
1,2-Dichloroethane
Concen: 52.040 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.2	





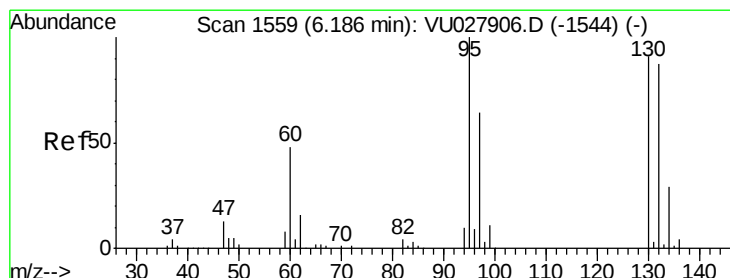
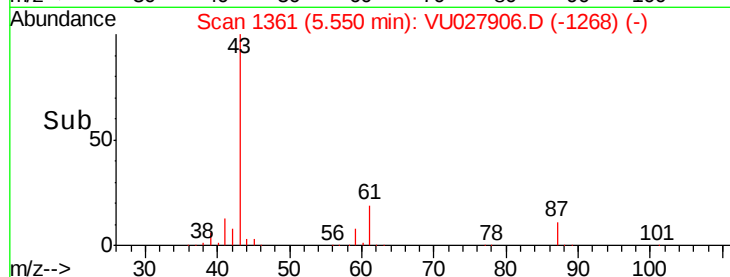
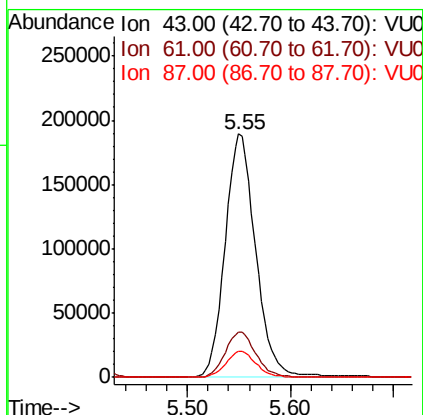
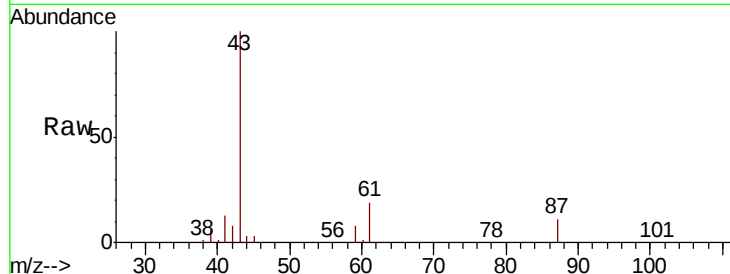
#43
Isopropyl Acetate
Concen: 58.743 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.0	22.4
87	10.7	8.6	12.8

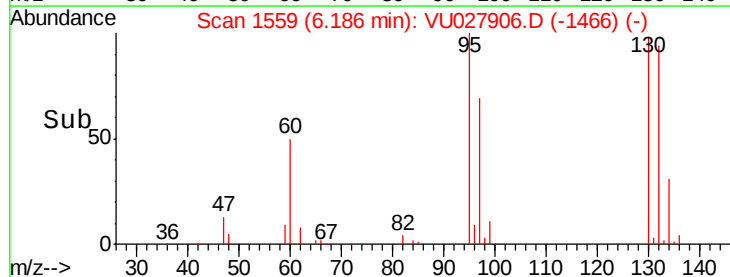
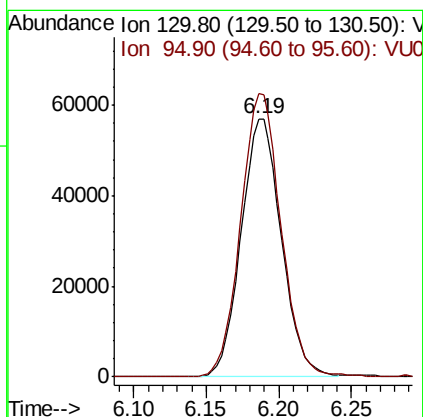
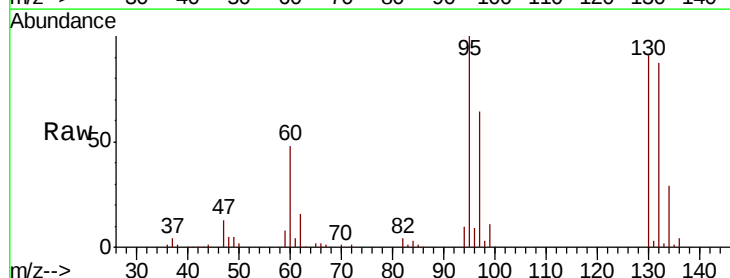
Manual Integrations
APPROVED

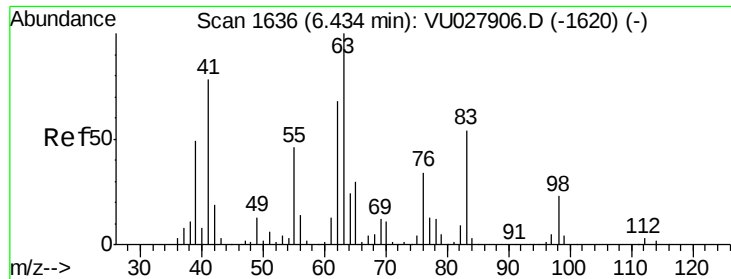
MMDadoda
11/2/2018 9:00:14 AM



#44
Trichloroethene
Concen: 52.285 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.6	0.0	219.2





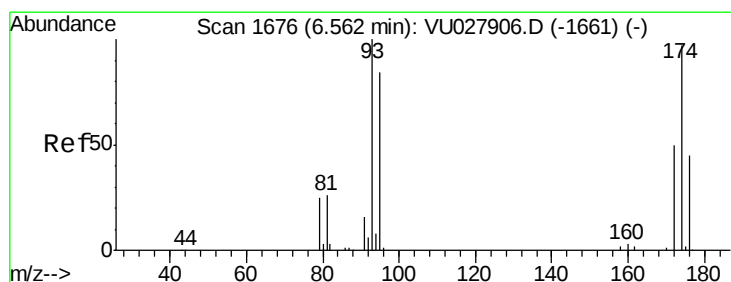
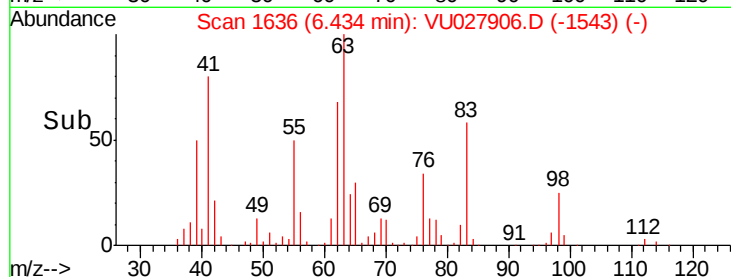
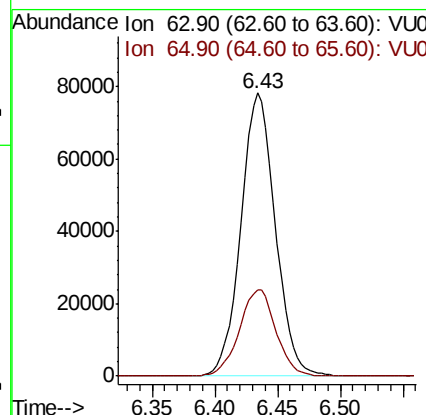
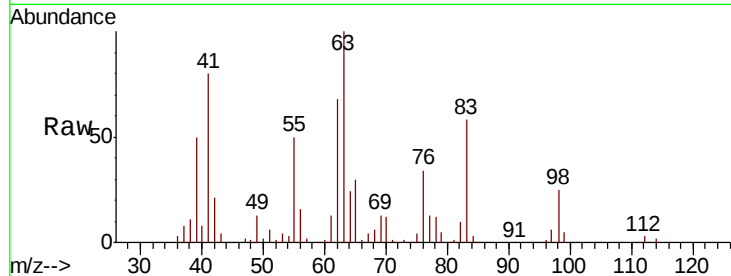
#45
 1,2-Dichloropropane
 Concen: 54.517 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 148979
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6

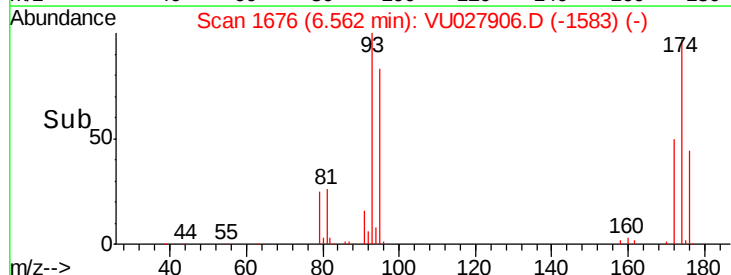
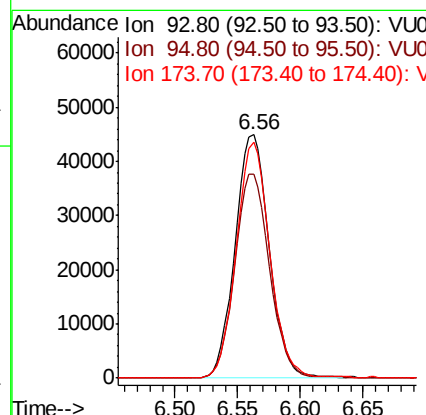
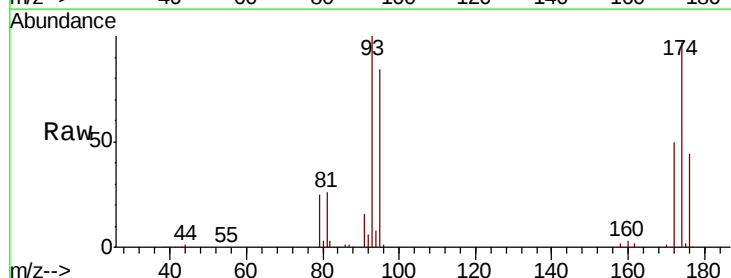
Manual Integrations
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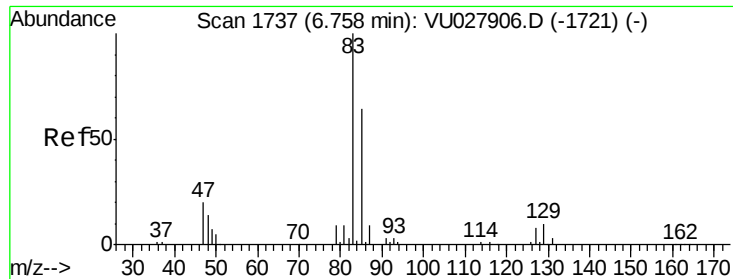
MMDadoda
 11/2/2018 9:00:14 AM



#46
 Dibromomethane
 Concen: 55.106 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Tgt Ion: 93 Resp: 85094
 Ion Ratio Lower Upper
 93 100
 95 85.6 68.5 102.7
 174 95.1 76.1 114.1





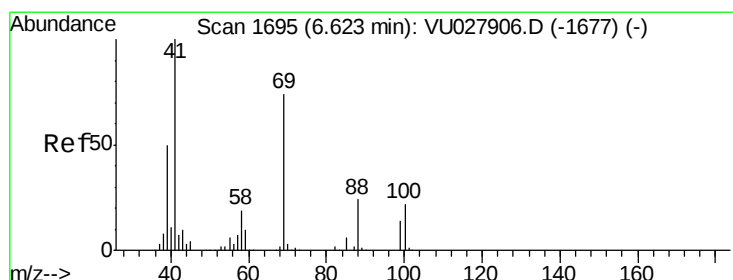
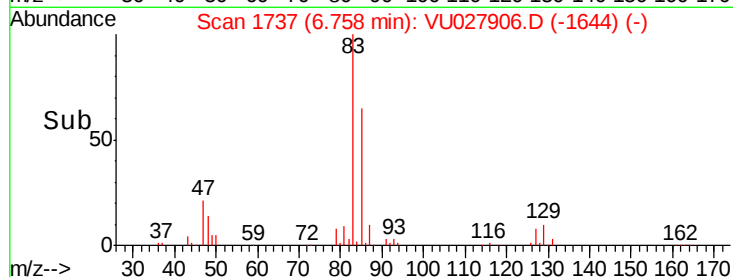
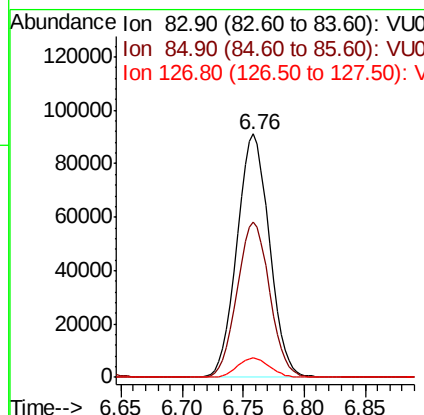
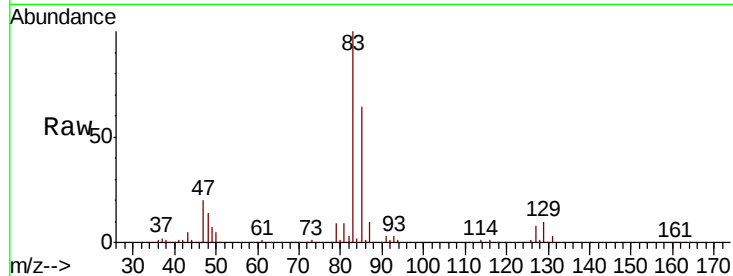
#47
Bromodichloromethane
Concen: 52.834 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	167941
Ion Ratio	100		
85	63.8	51.0	76.6
127	7.8	6.2	9.4

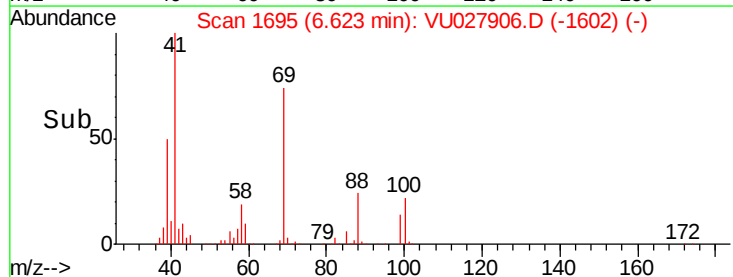
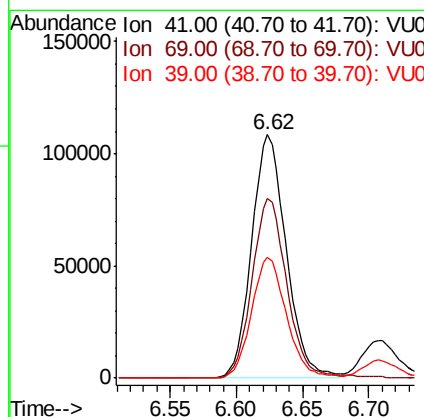
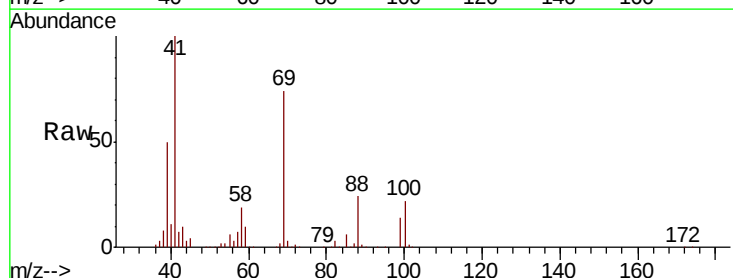
Manual Integrations
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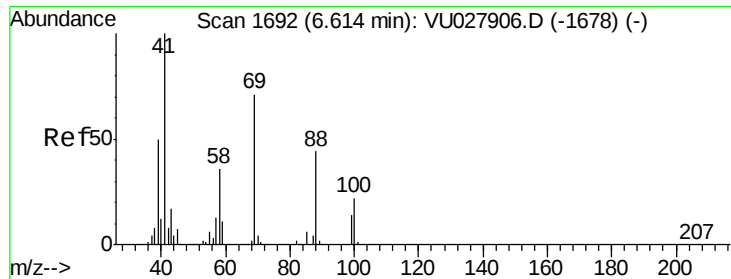
MMDadoda
11/2/2018 9:00:14 AM



#48
Methyl methacrylate
Concen: 59.505 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	41	Resp	195831
Ion Ratio	100		
69	74.8	59.8	89.8
39	50.0	40.0	60.0





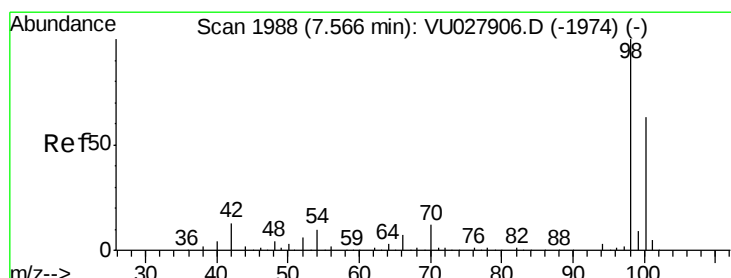
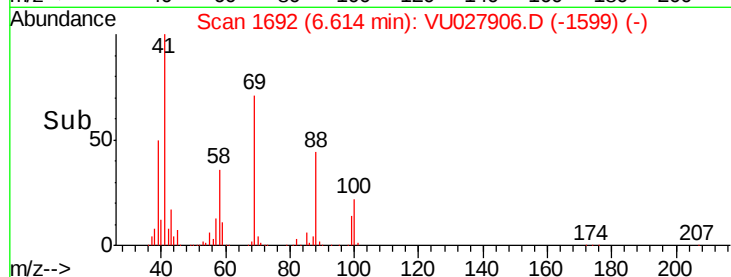
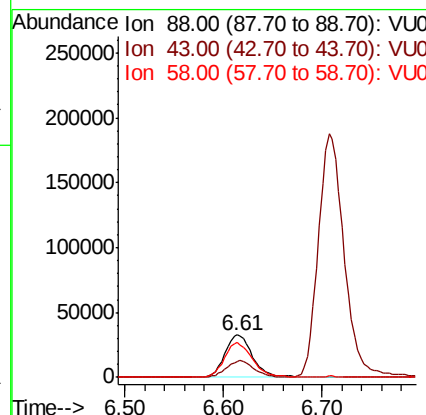
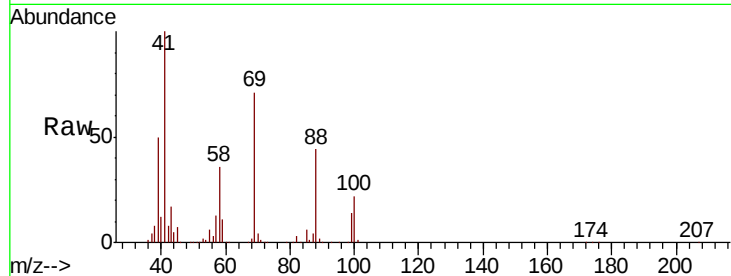
#49
1,4-Dioxane
Concen: 1136.757 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.1	30.5	45.7
58	83.9	67.1	100.7

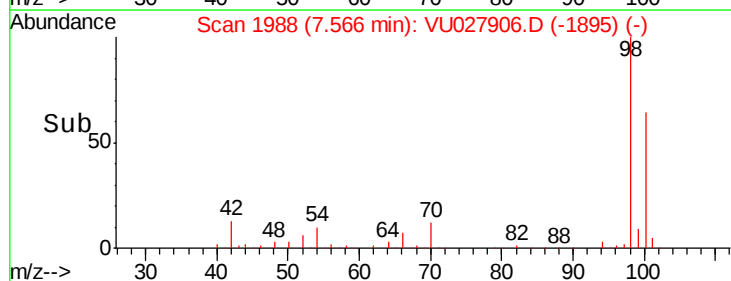
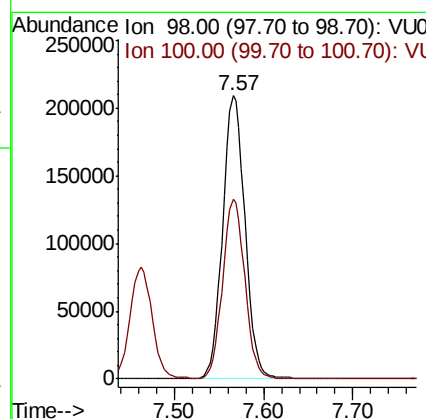
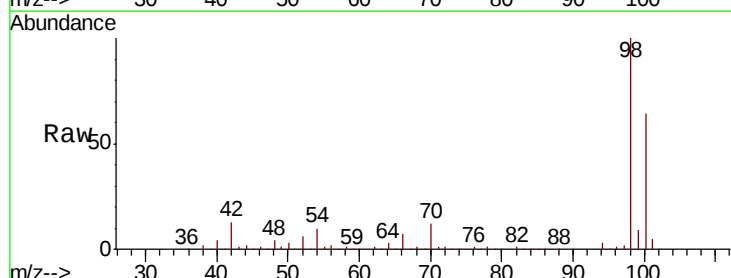
Manual Integrations
APPROVED

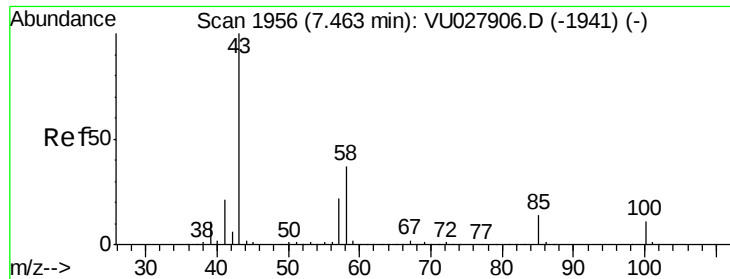
MMDadoda
11/2/2018 9:00:14 AM



#50
Toluene-d8
Concen: 48.107 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 300.691 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1299797

Ion Ratio Lower Upper

43 100

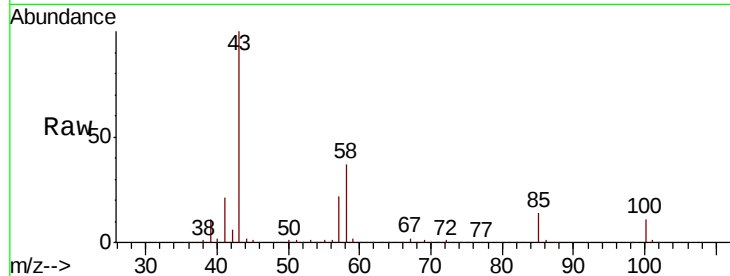
58 36.9 29.5 44.3

Manual Integrations

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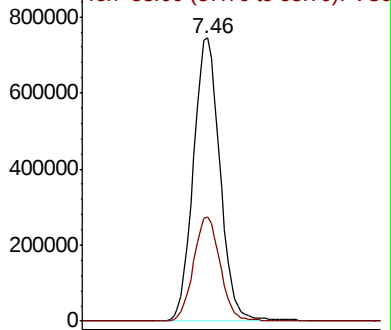
MMDadoda

11/2/2018 9:00:14 AM

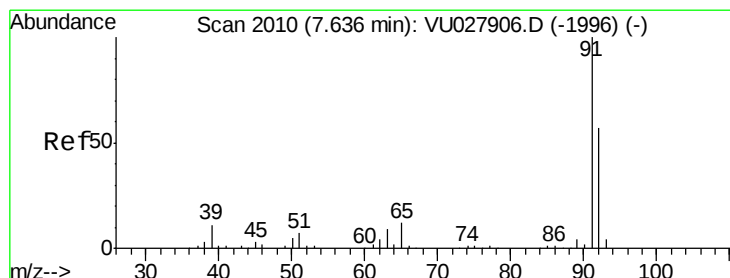
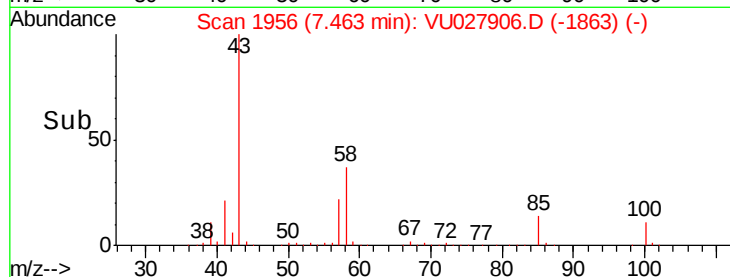


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->



#52

Toluene

Concen: 53.895 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU027906.D

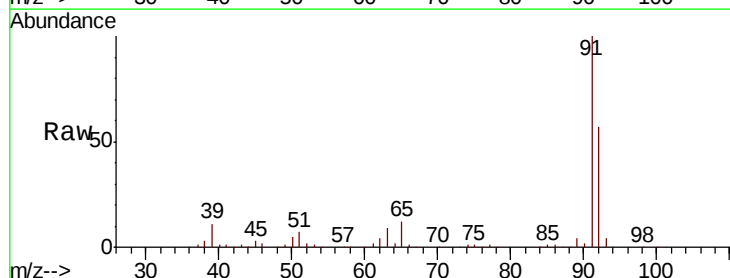
Acq: 01 Nov 2018 19:35

Tgt Ion: 92 Resp: 301795

Ion Ratio Lower Upper

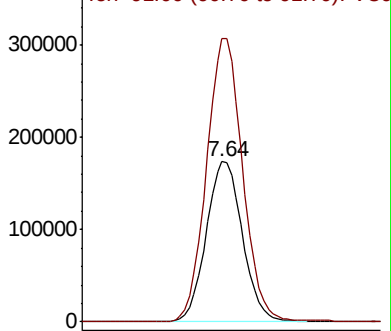
92 100

91 176.5 141.2 211.8

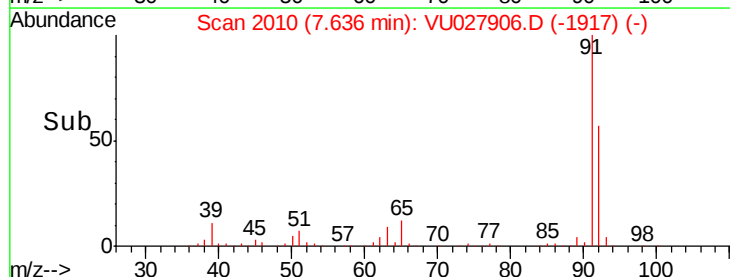


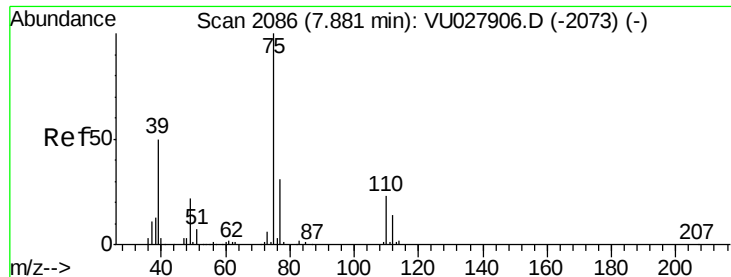
Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



Time-->





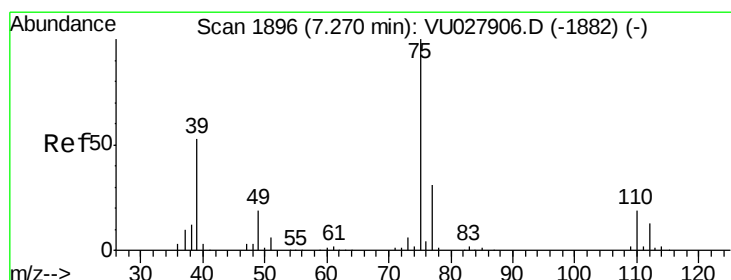
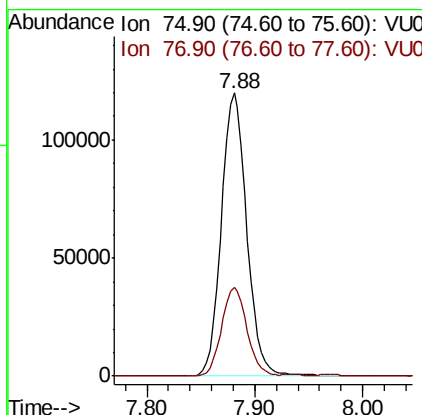
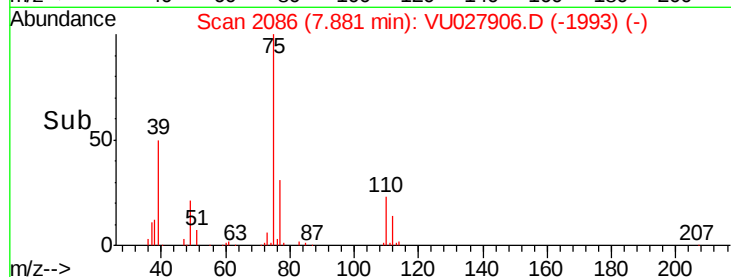
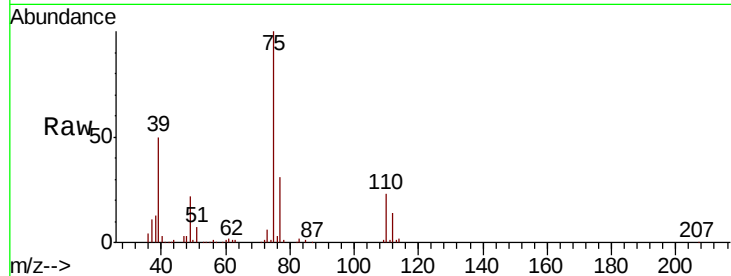
#53
 t-1,3-Dichloropropene
 Concen: 52.725 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7

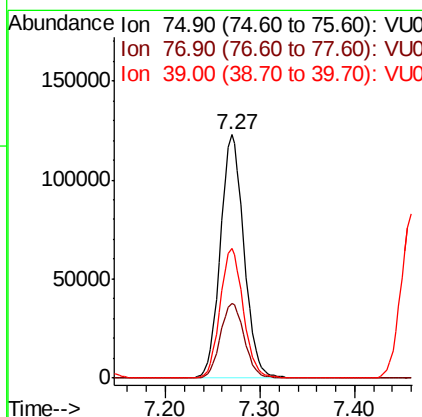
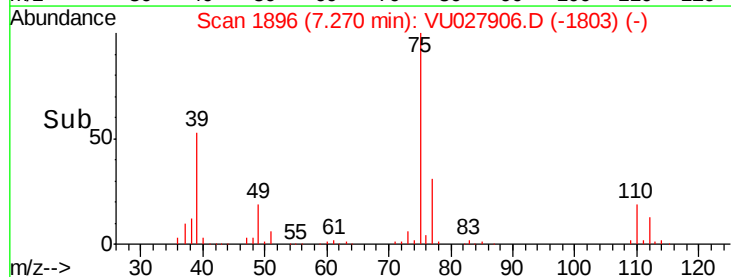
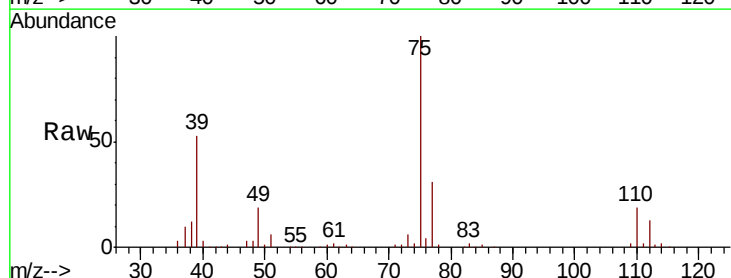
Manual Integrations
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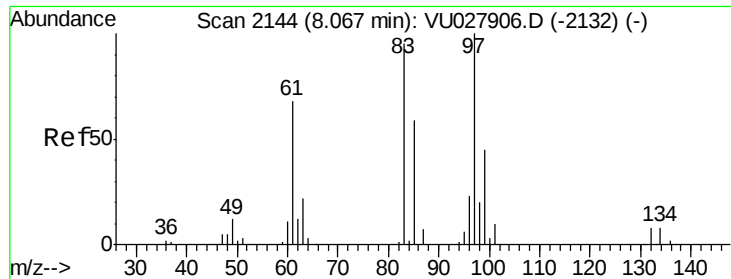
MMDadoda
 11/2/2018 9:00:14 AM



#54
 cis-1,3-Dichloropropene
 Concen: 53.152 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.6	37.0
39	53.3	42.6	64.0





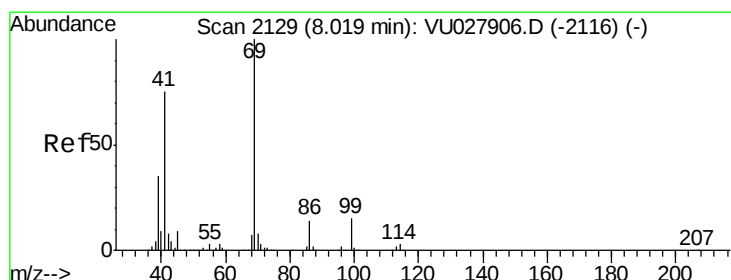
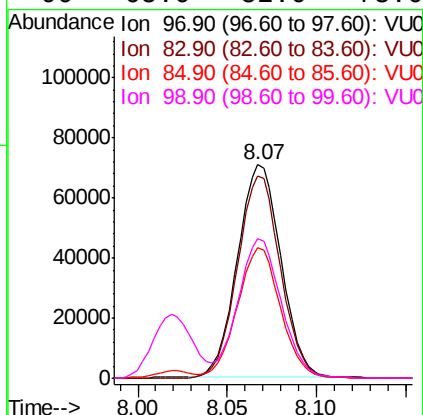
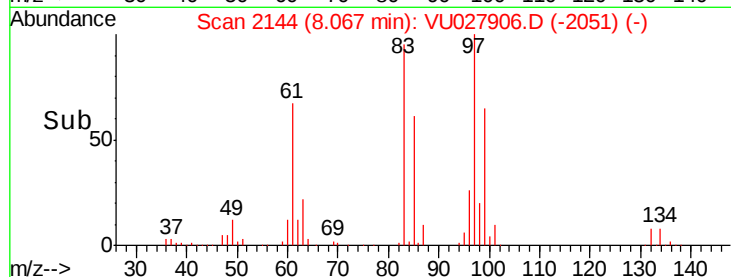
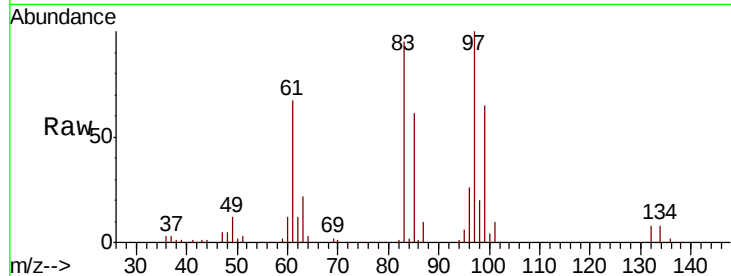
#55
 1,1,2-Trichloroethane
 Concen: 54.152 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		120240		
83	95.1	76.1	114.1		
85	61.1	48.9	73.3		
99	65.0	52.0	78.0		

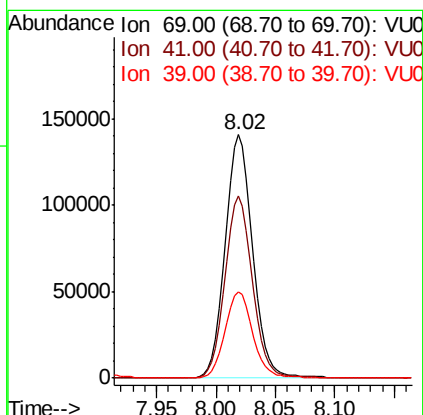
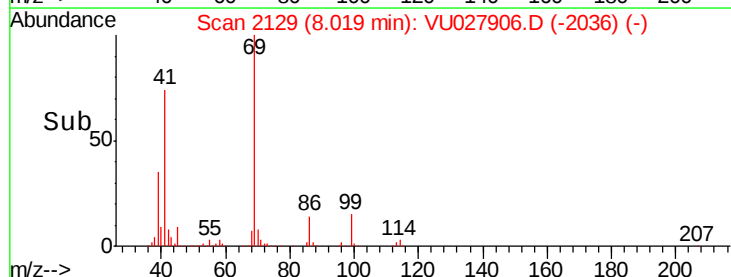
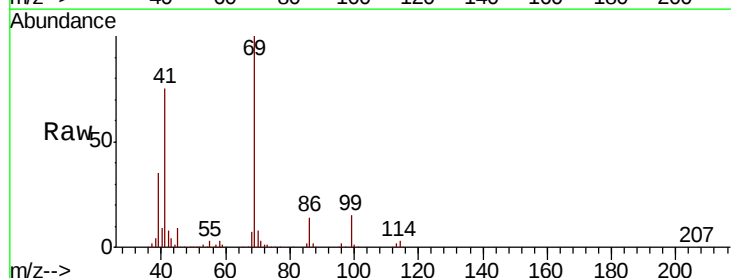
Manual Integrations
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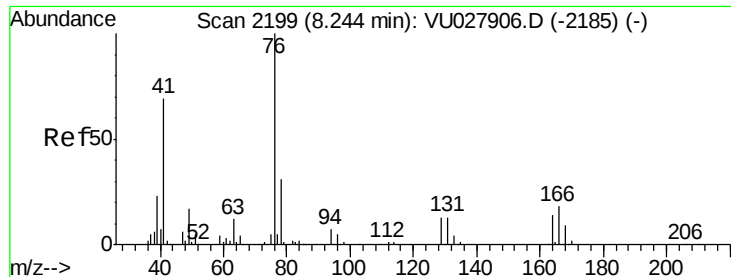
MMDadoda
 11/2/2018 9:00:14 AM



#56
 Ethyl methacrylate
 Concen: 60.469 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		225416		
41	74.7	59.8	89.6		
39	35.7	28.6	42.8		





#57

1,3-Dichloropropane

Concen: 52.370 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 224911

Ion Ratio Lower Upper

76 100

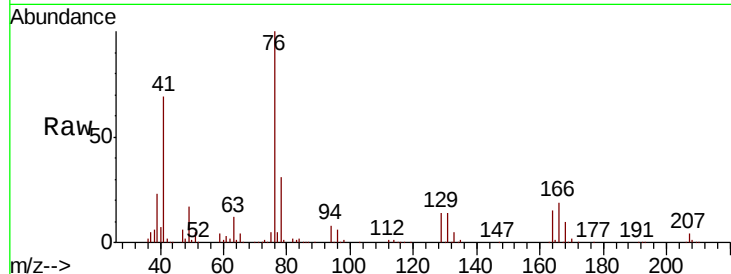
78 31.6 25.3 37.9

Manual Integrations

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MMDadoda

11/2/2018 9:00:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VU027906.D (-2185) (-)

Ion 77.90 (77.60 to 78.60): VU027906.D (-2185) (-)

8.24

150000

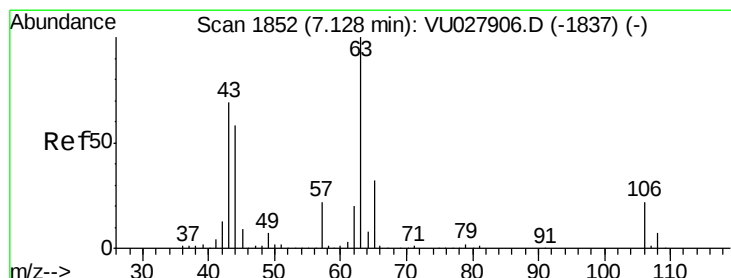
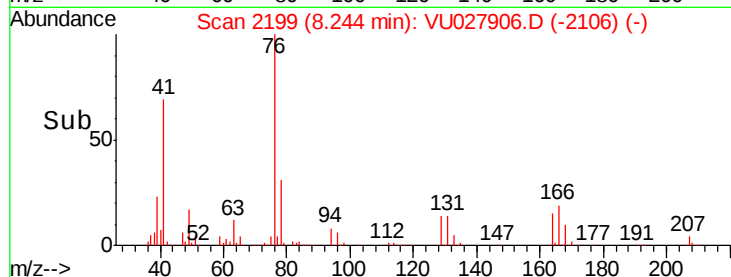
100000

50000

0

8.15 8.20 8.25 8.30 8.35

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 272.756 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU027906.D

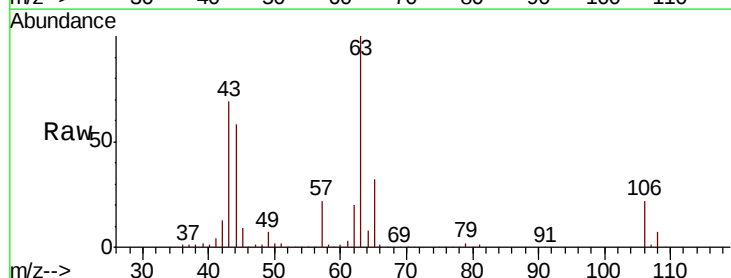
Acq: 01 Nov 2018 19:35

Tgt Ion: 63 Resp: 556679

Ion Ratio Lower Upper

63 100

106 22.2 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-1837) (-)

Ion 105.90 (105.60 to 106.60): VU027906.D (-1837) (-)

7.13

300000

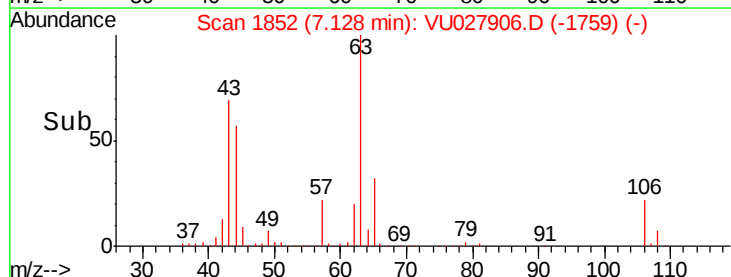
200000

100000

0

7.05 7.10 7.15 7.20 7.25

Time-->





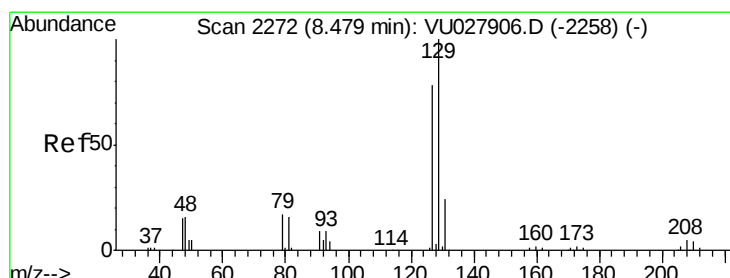
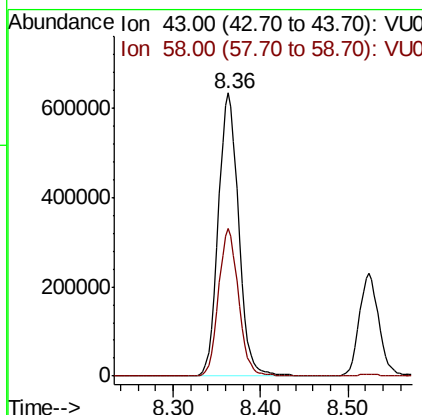
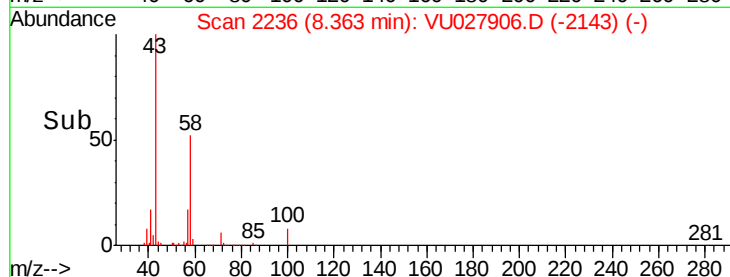
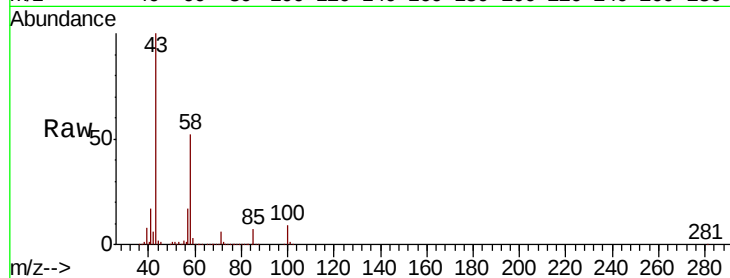
#59
2-Hexanone
Concen: 304.194 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1022176
Ion Ratio Lower Upper
43 100
58 51.5 25.8 77.3

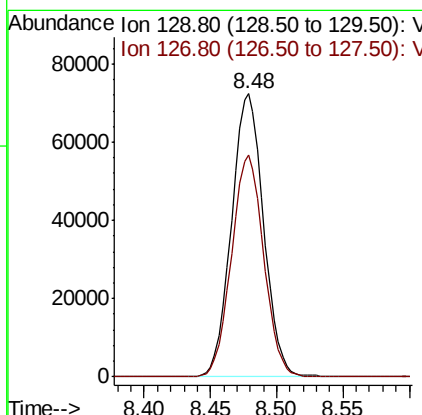
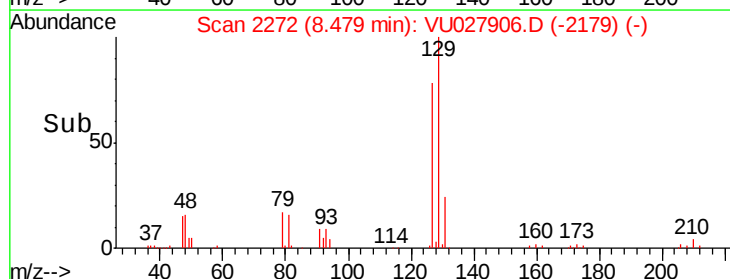
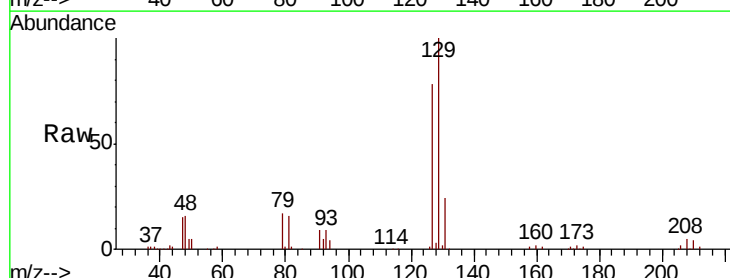
Manual Integrations
APPROVED

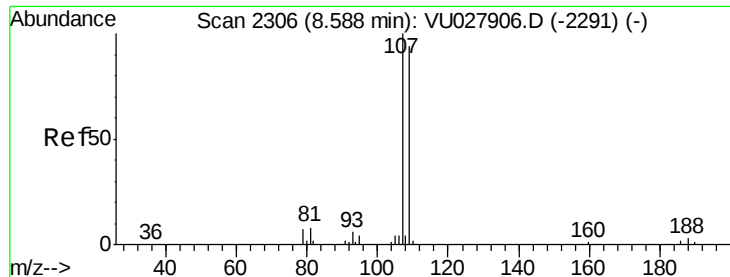
MMDadoda
11/2/2018 9:00:14 AM



#60
Dibromochloromethane
Concen: 54.437 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion: 129 Resp: 121437
Ion Ratio Lower Upper
129 100
127 78.4 39.2 117.6





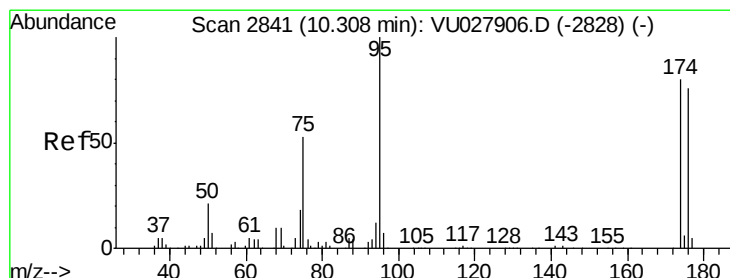
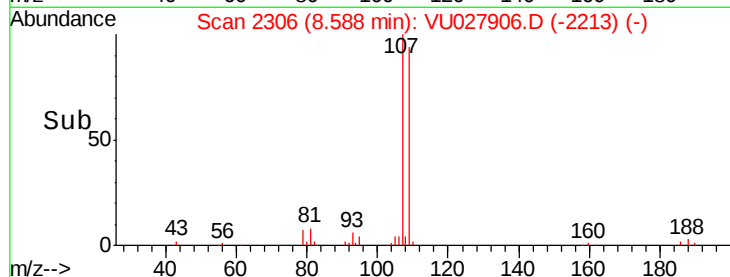
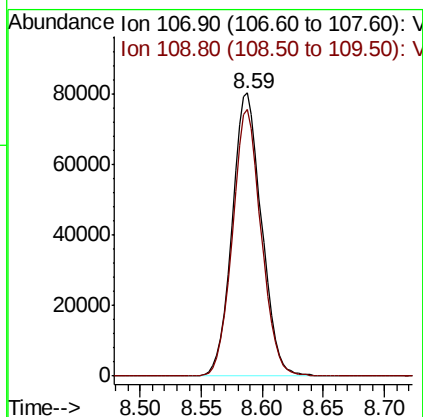
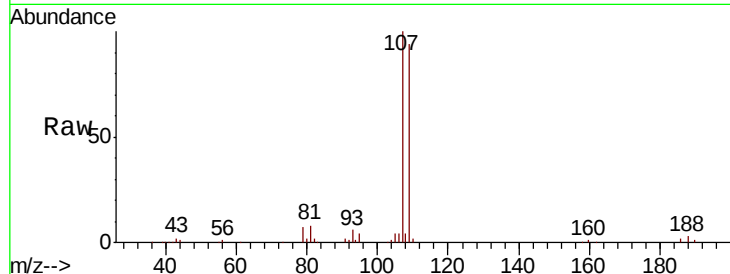
#61
 1,2-Dibromoethane
 Concen: 56.452 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	73.8	110.8

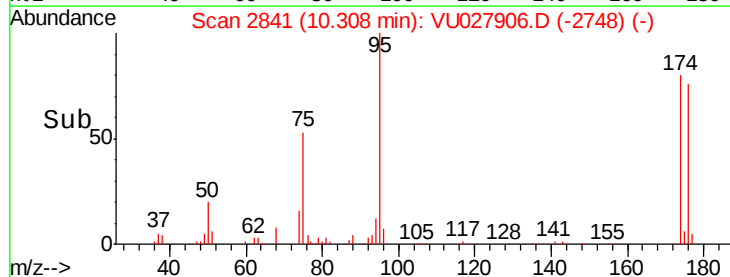
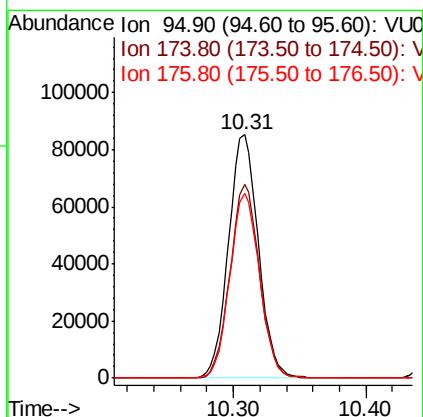
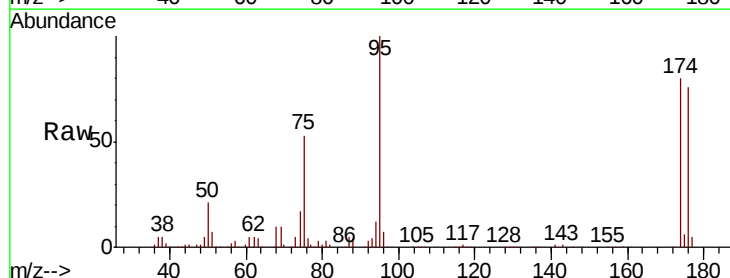
Manual Integrations
 APPROVED

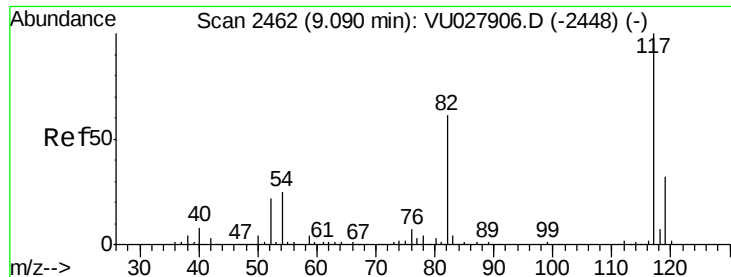
MMDadoda
 11/2/2018 9:00:14 AM



#62
 4-Bromofluorobenzene
 Concen: 47.368 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	156.4
176	75.4	0.0	150.8





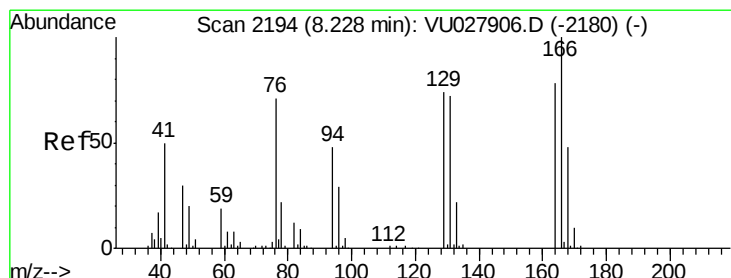
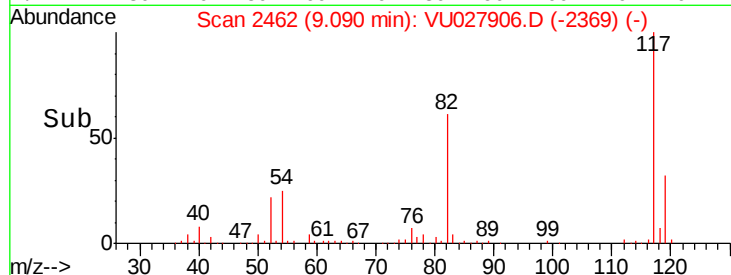
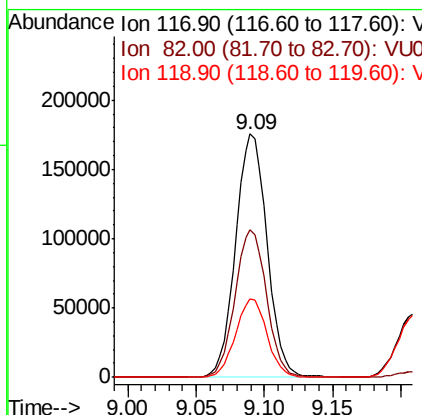
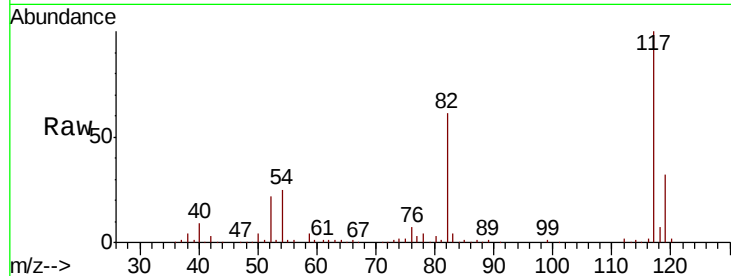
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	48.6	73.0
119	32.3	25.8	38.8

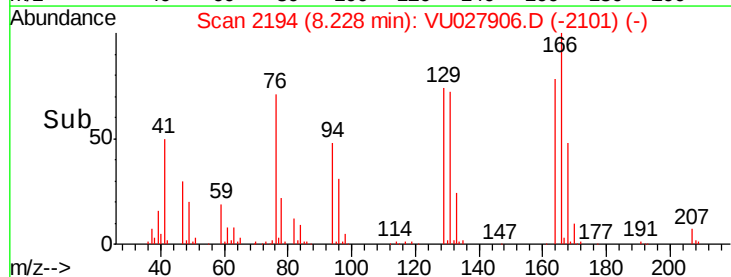
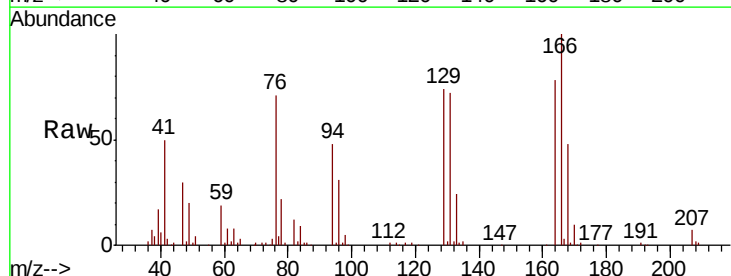
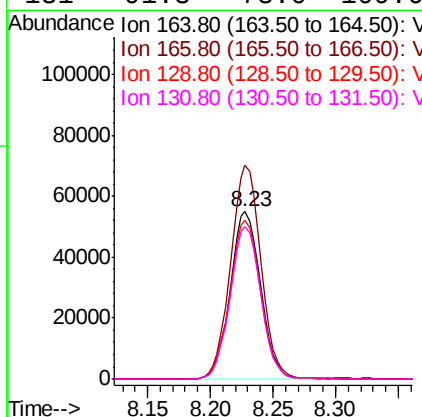
Manual Integrations
APPROVED

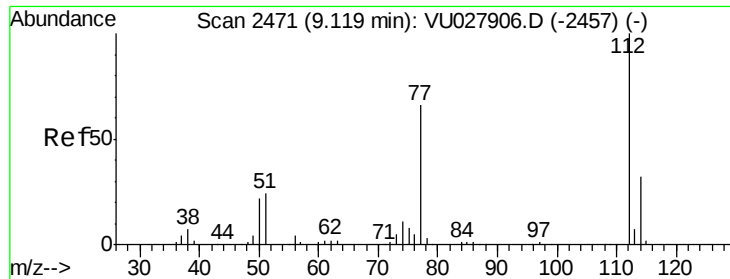
MMDadoda
11/2/2018 9:00:14 AM



#64
Tetrachloroethene
Concen: 52.660 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.1	153.1
129	94.9	75.9	113.9
131	91.3	73.0	109.6





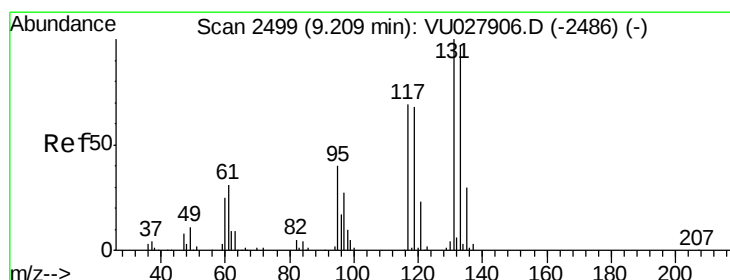
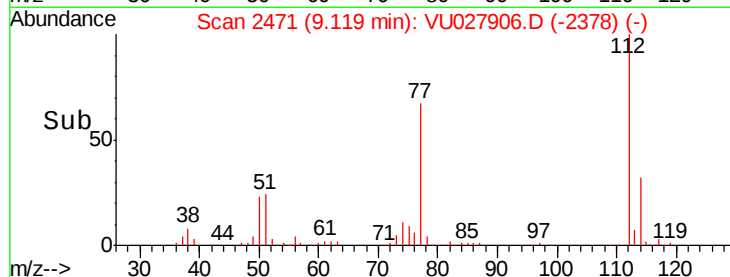
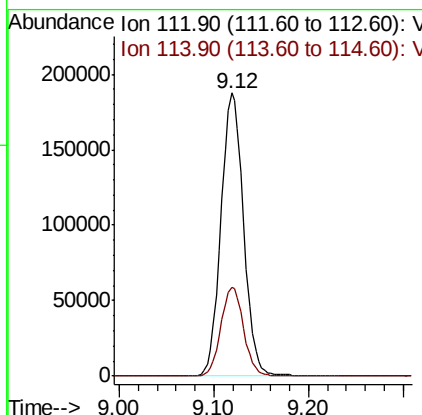
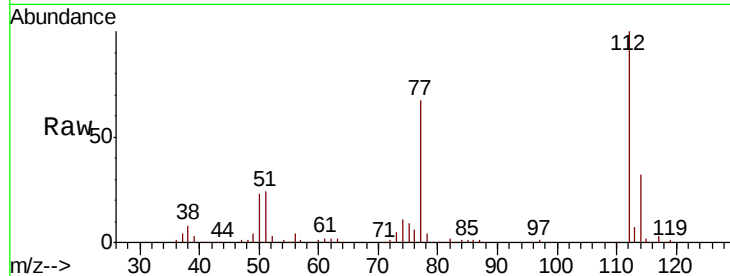
#65
Chlorobenzene
Concen: 52.327 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 311040
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8

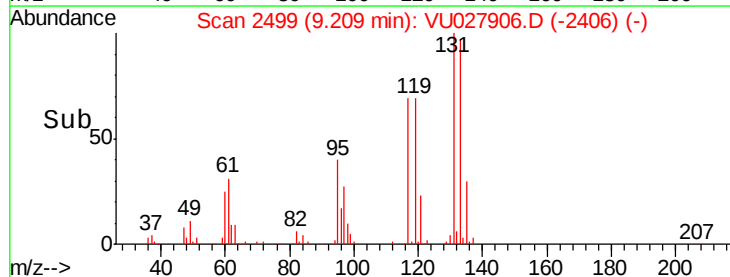
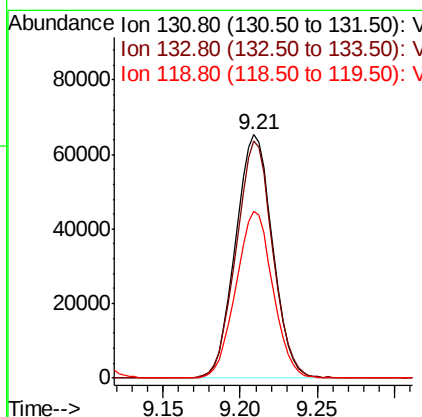
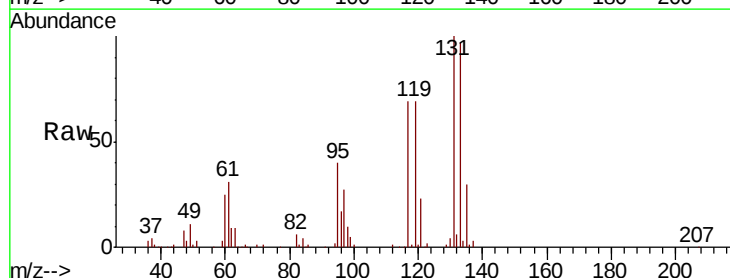
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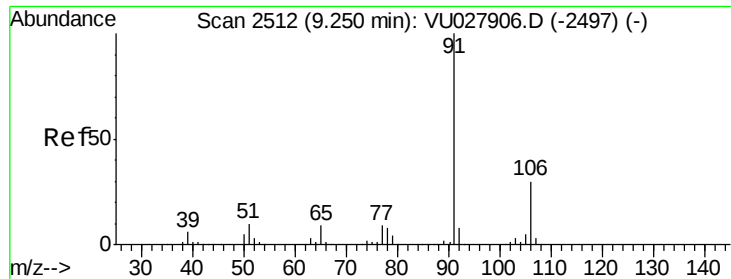
MMDadoda
11/2/2018 9:00:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.131 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion:131 Resp: 108807
Ion Ratio Lower Upper
131 100
133 96.3 48.1 144.4
119 67.9 34.0 101.8





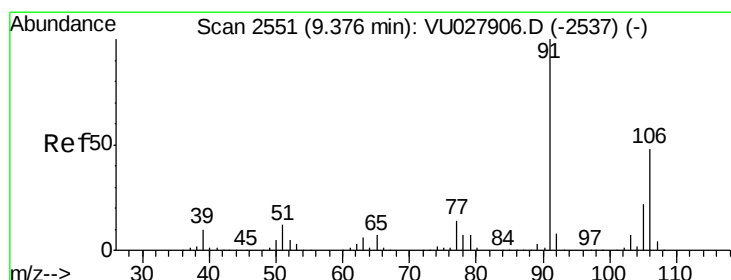
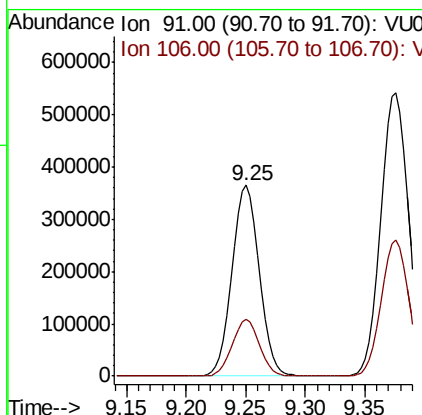
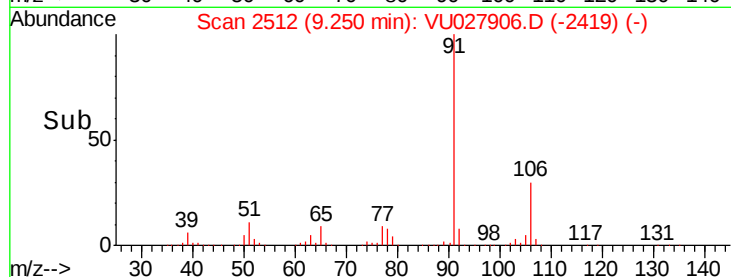
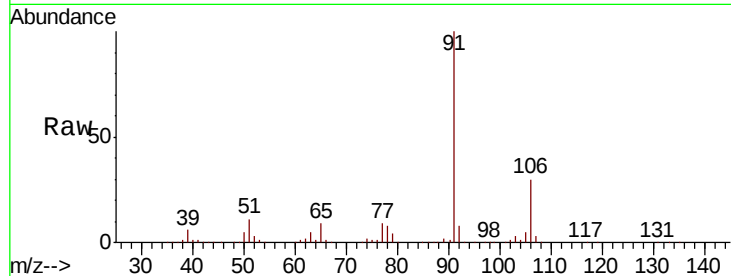
#67
Ethyl Benzene
Concen: 54.955 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 579781
Ion Ratio Lower Upper
91 100
106 29.5 23.6 35.4

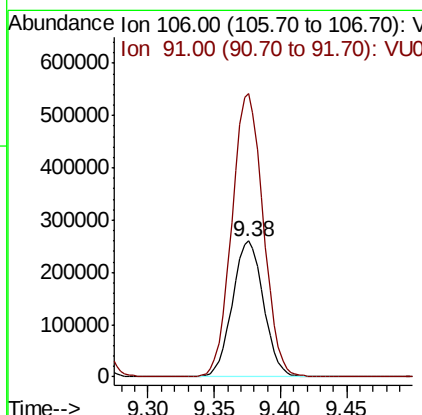
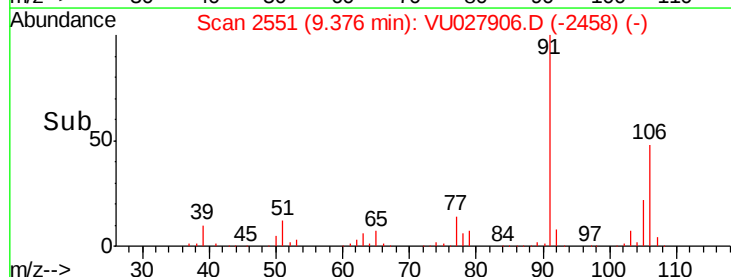
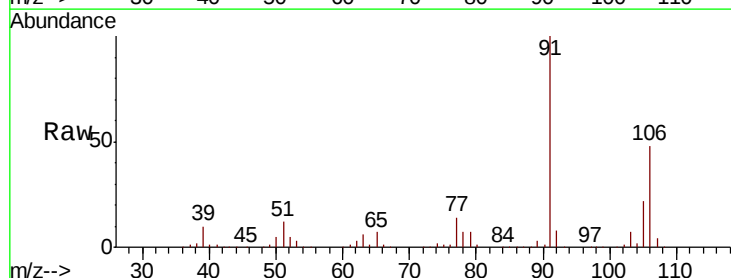
Manual Integrations
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MMDadoda
11/2/2018 9:00:14 AM



#68
m/p-Xylenes
Concen: 109.820 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion: 106 Resp: 422473
Ion Ratio Lower Upper
106 100
91 210.3 168.2 252.4





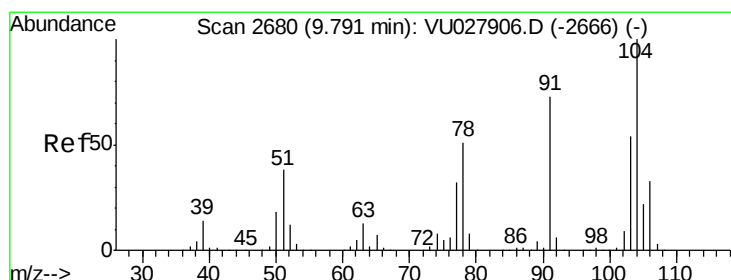
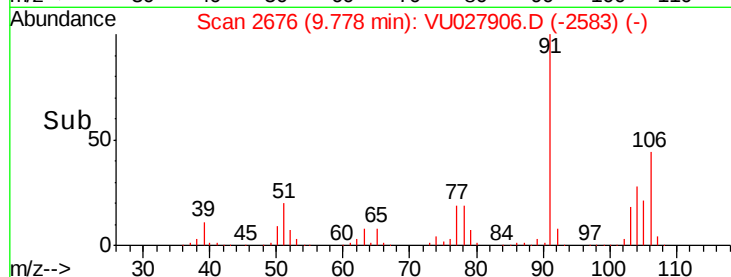
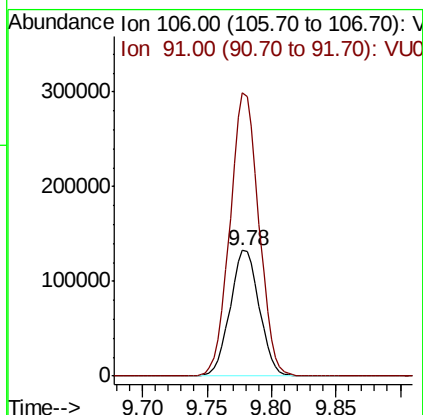
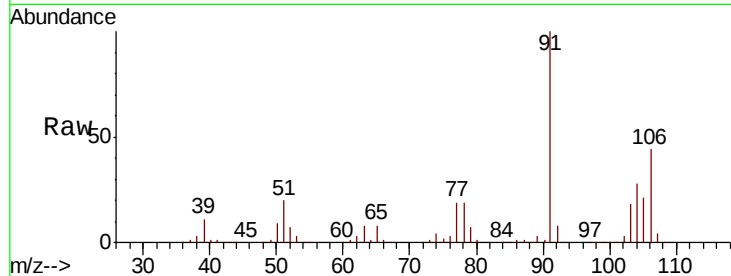
#69
o-Xylene
Concen: 56.942 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.3	111.1	333.4

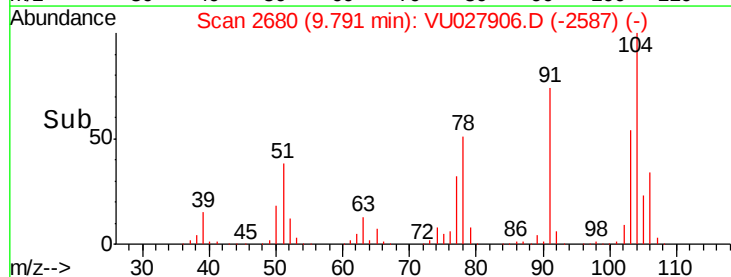
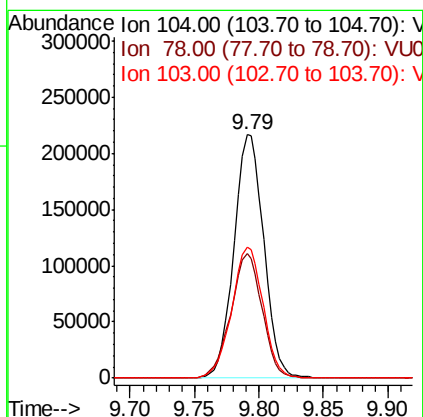
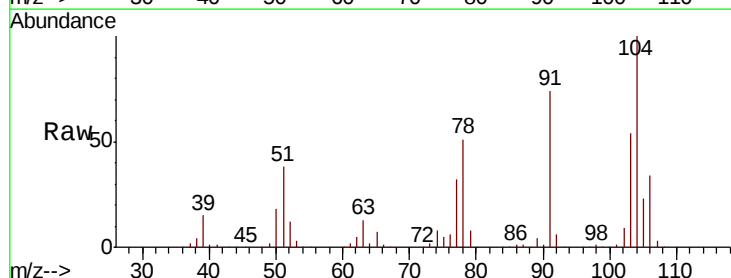
Manual Integrations
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MMDadoda
11/2/2018 9:00:14 AM



#70
Styrene
Concen: 57.723 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.7	43.0	64.4
103	56.4	45.1	67.7





#71

Bromoform

Concen: 55.536 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Instrument :

MSVOA_U

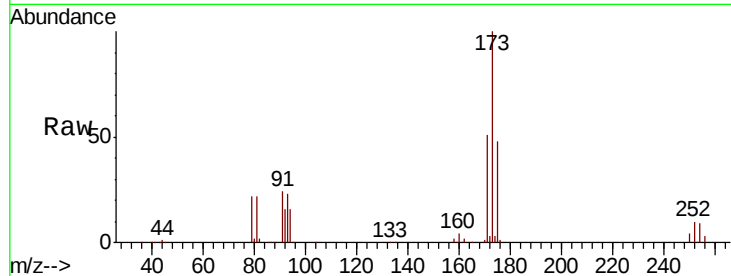
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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11/2/2018 9:00:14 AM

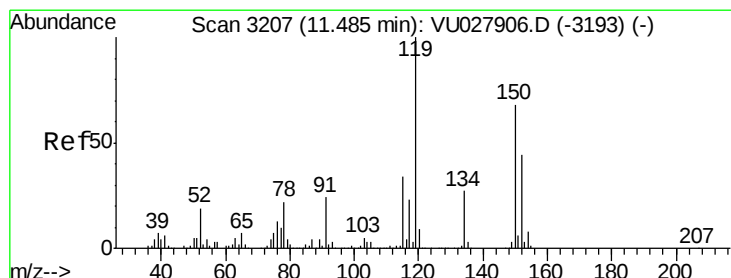
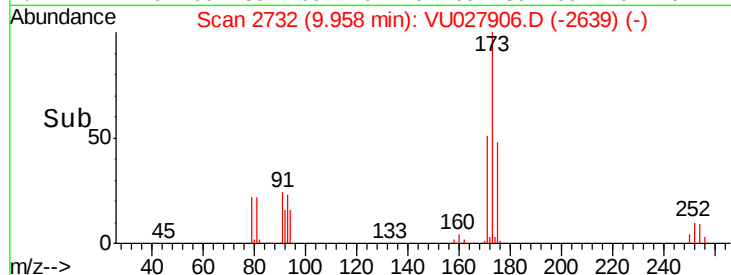
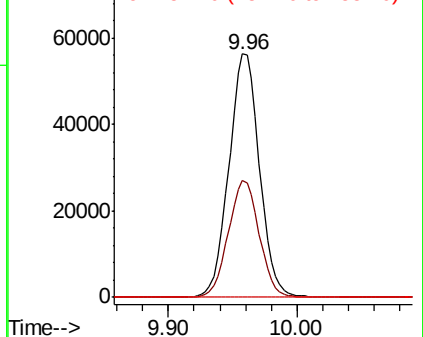


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

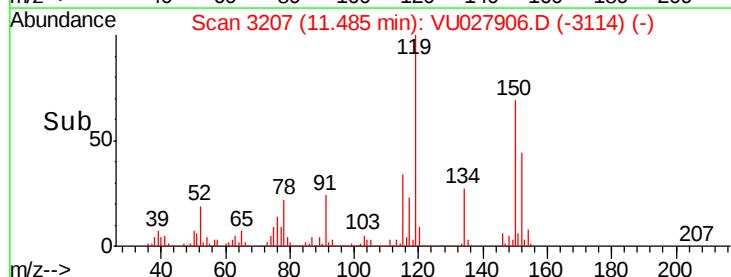
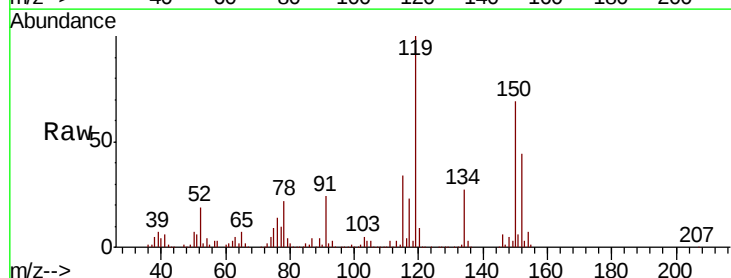
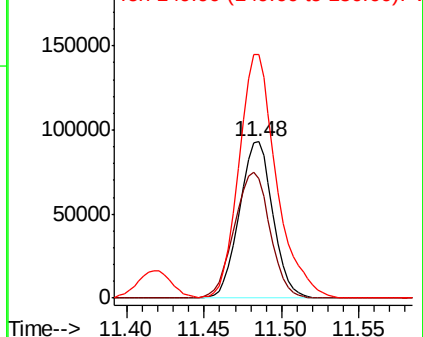
Tgt Ion	Ratio	Lower	Upper
152	100		
115	86.0	43.0	129.0
150	174.7	0.0	349.4

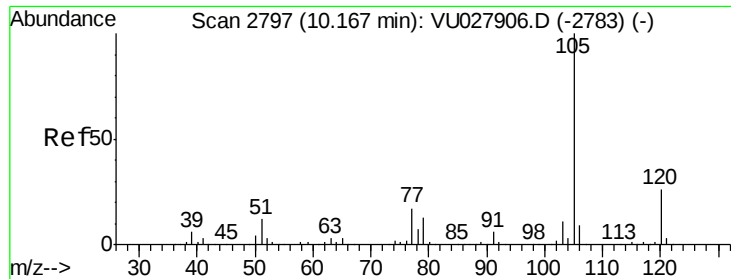
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





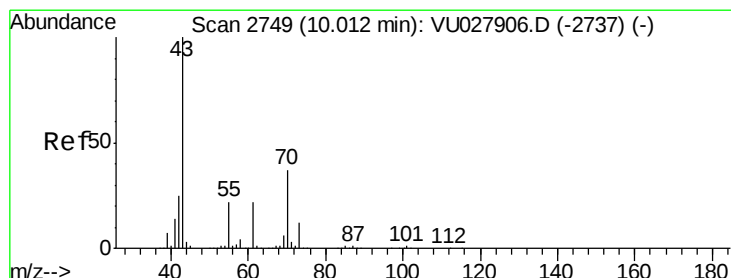
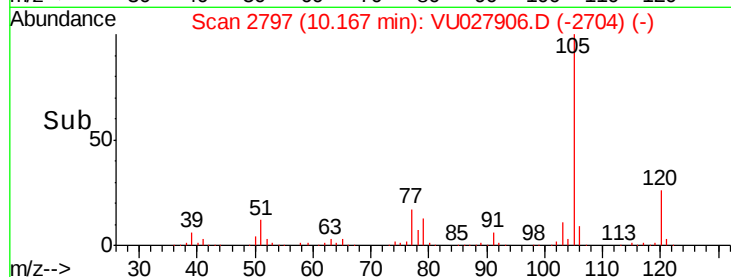
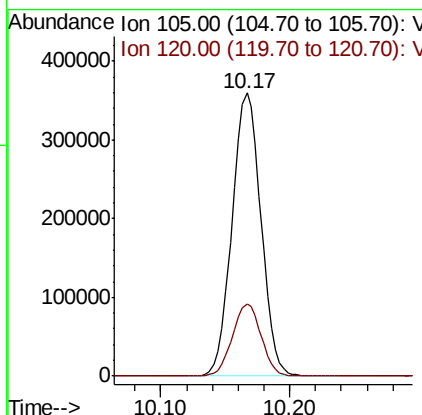
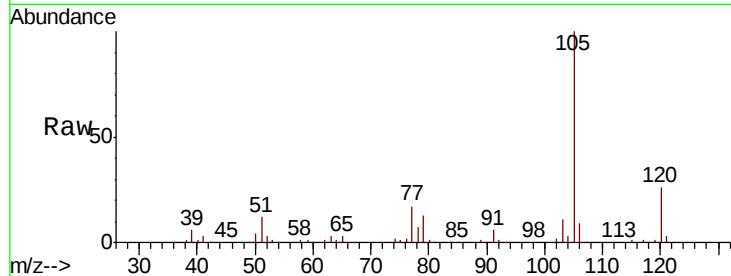
#73
Isopropylbenzene
Concen: 54.940 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 105 Resp: 559687
Ion Ratio Lower Upper
105 100
120 25.3 12.7 38.0

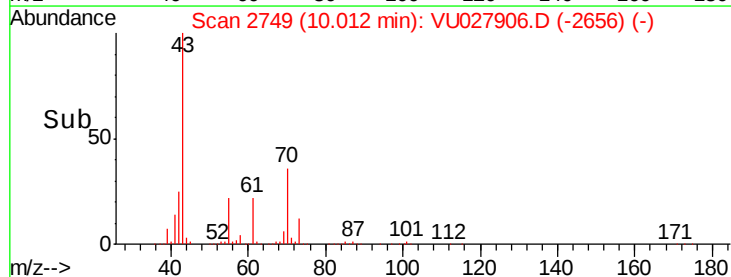
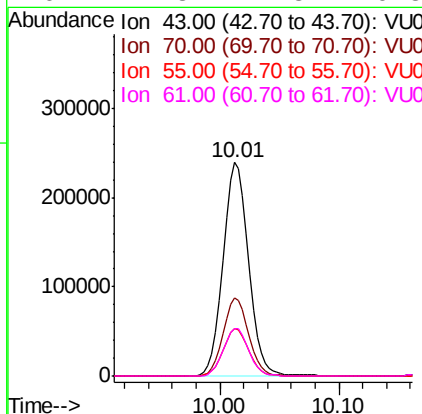
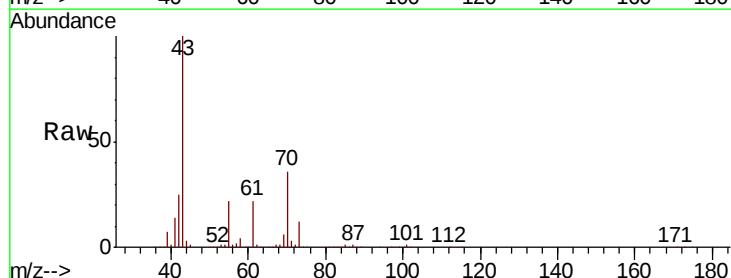
Manual Integrations
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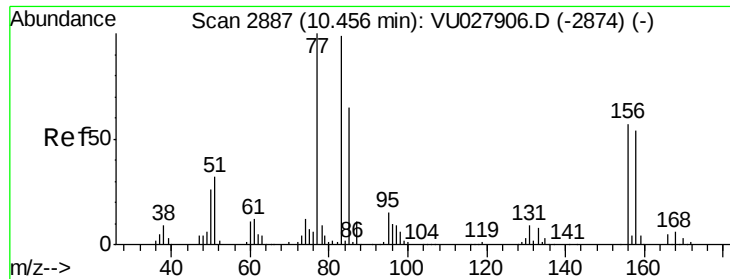
MMDadoda
11/2/2018 9:00:14 AM



#74
N-ethyl acetate
Concen: 59.639 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion: 43 Resp: 354801
Ion Ratio Lower Upper
43 100
70 36.5 29.2 43.8
55 22.2 17.8 26.6
61 22.3 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 55.588 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 225749

Ion Ratio Lower Upper

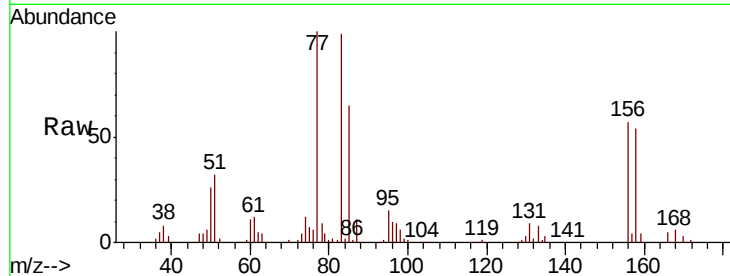
83 100

131 8.7 4.3 13.1

85 64.8 32.4 97.2

Manual Integrations
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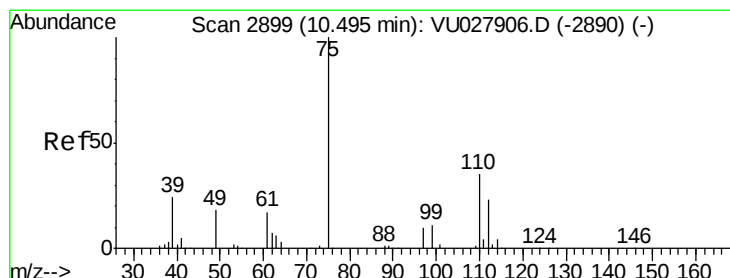
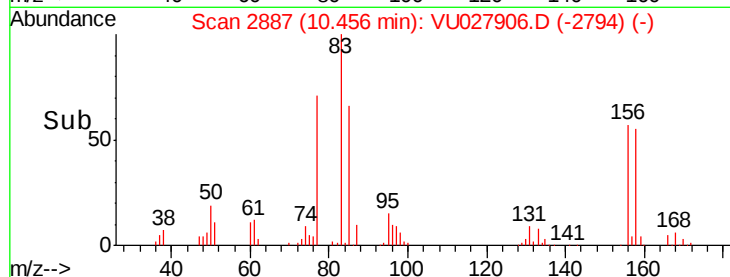
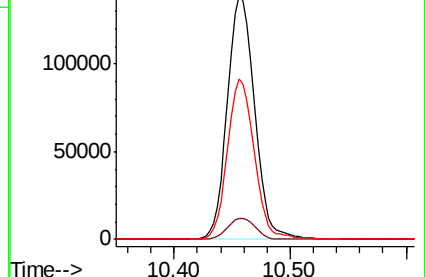
MMDadoda
11/2/2018 9:00:14 AM



Abundance Ion 82.90 (82.60 to 83.60): VU027906.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027906.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 52.852 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027906.D

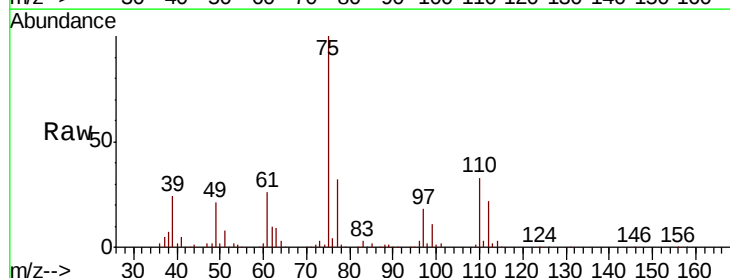
Acq: 01 Nov 2018 19:35

Tgt Ion: 75 Resp: 191984

Ion Ratio Lower Upper

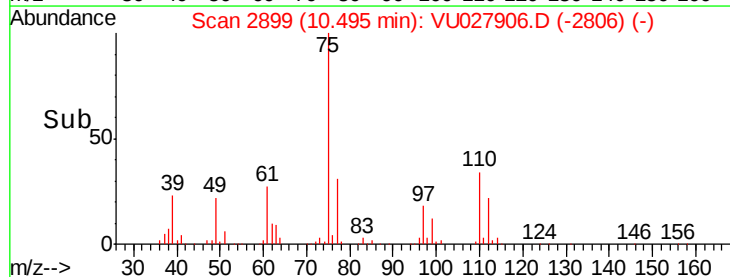
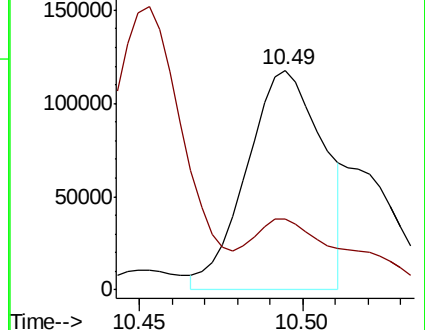
75 100

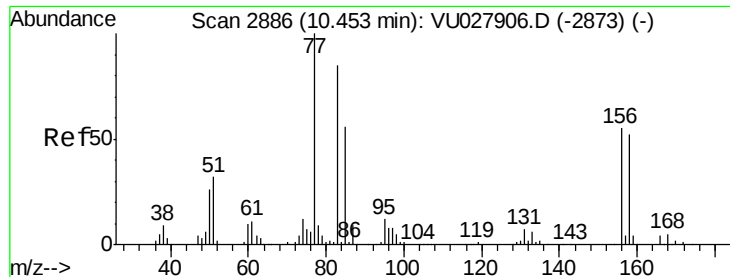
77 43.1 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027906.D (-2890) (-)





#77

Bromobenzene

Concen: 55.517 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Instrument :

MSVOA_U

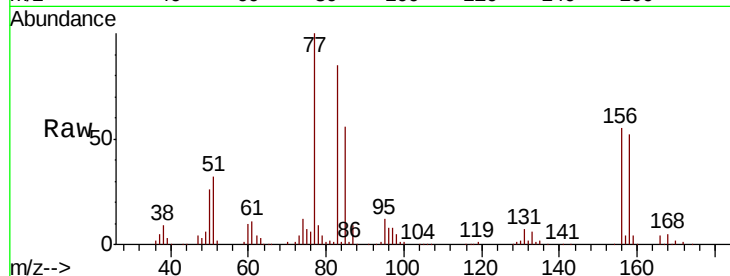
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	132762
Ion Ratio	Lower	Upper	
156	100		
77	183.7	91.8	275.6
158	96.8	48.4	145.2

Manual Integrations
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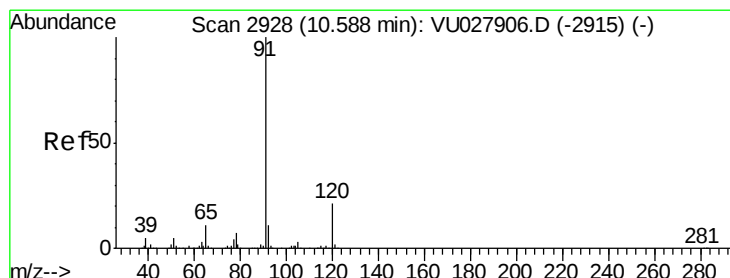
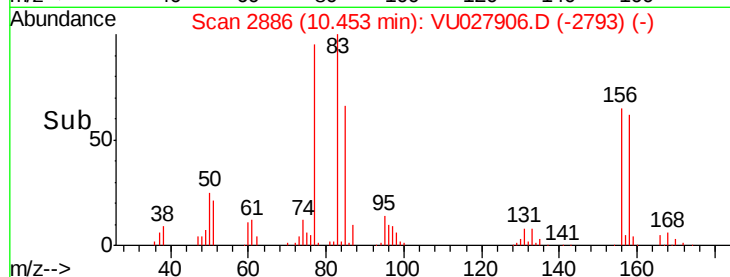
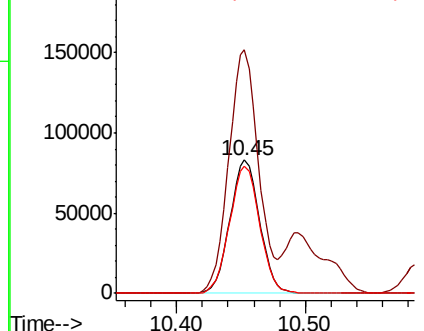
MMDadoda
11/2/2018 9:00:14 AM



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: 55.818 ug/l

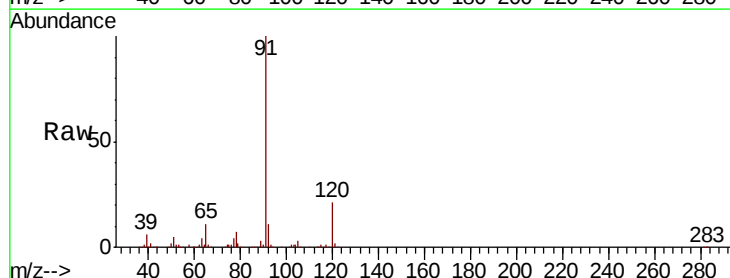
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027906.D

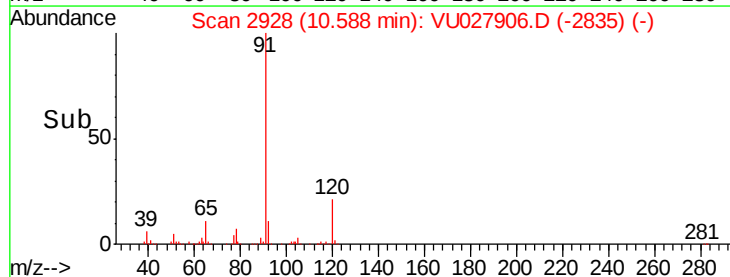
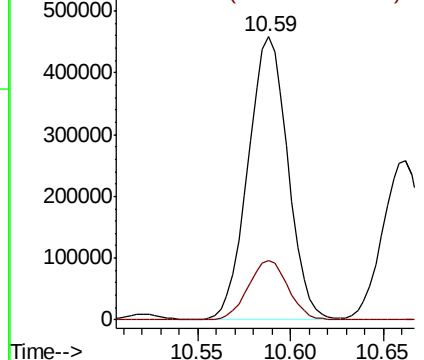
Acq: 01 Nov 2018 19:35

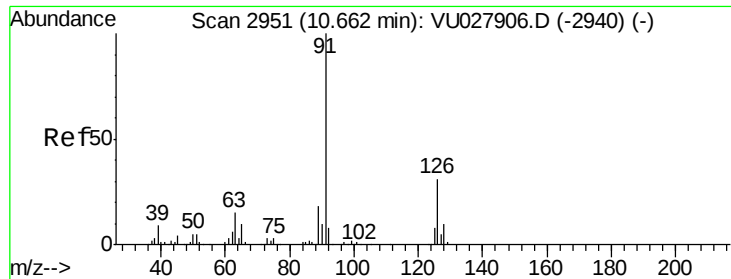
Tgt Ion:	91	Resp:	684014
Ion Ratio	Lower	Upper	
91	100		
120	21.2	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.750 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 397732

Ion Ratio Lower Upper

91 100

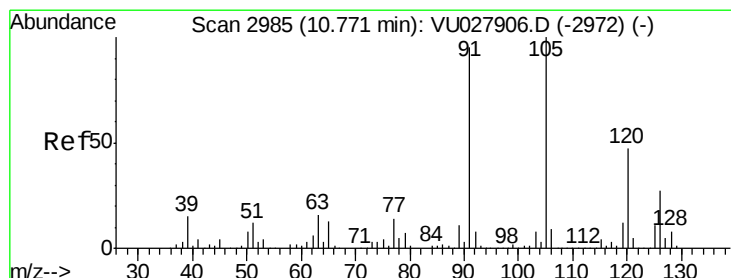
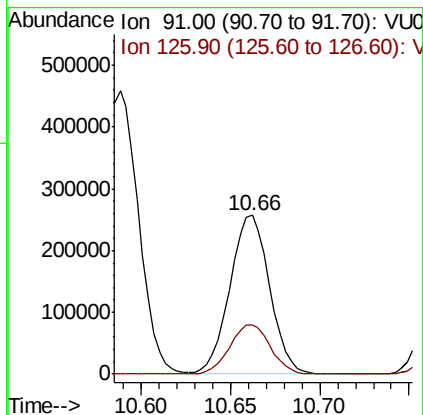
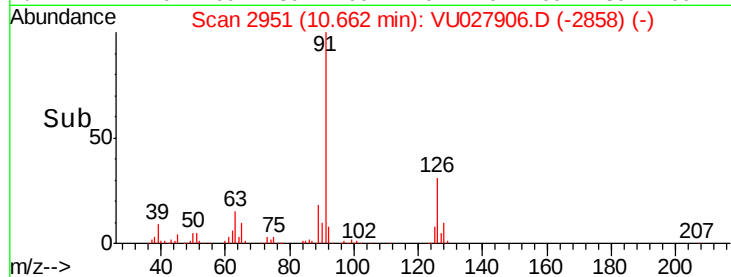
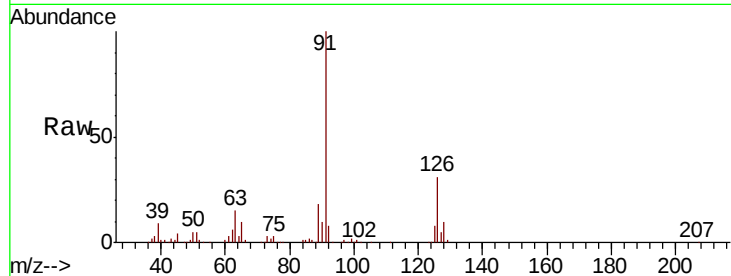
126 31.9 16.0 47.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 57.004 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027906.D

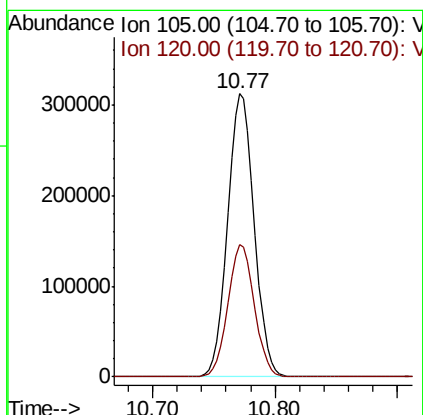
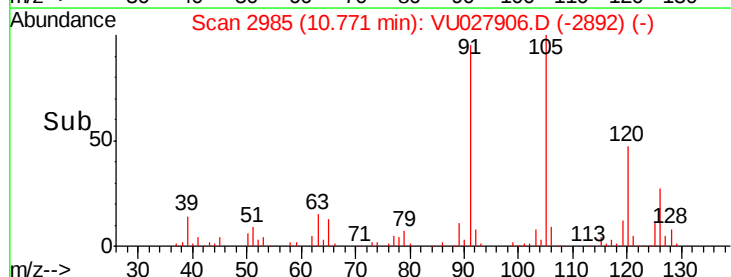
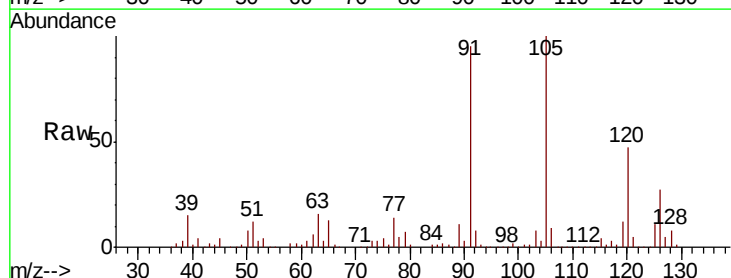
Acq: 01 Nov 2018 19:35

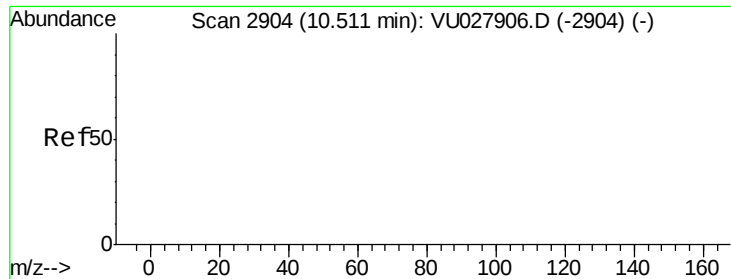
Tgt Ion: 105 Resp: 475795

Ion Ratio Lower Upper

105 100

120 46.6 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 62.209 ug/l m

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Instrument :

MSVOA_U

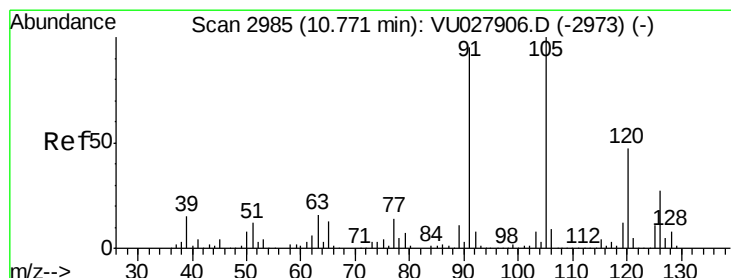
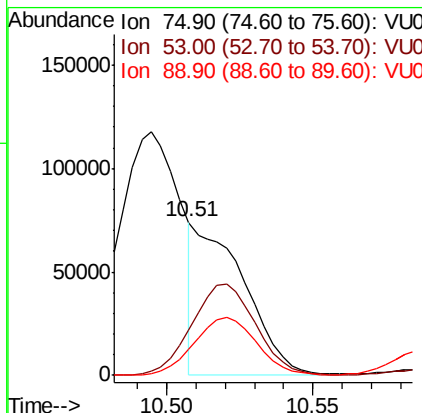
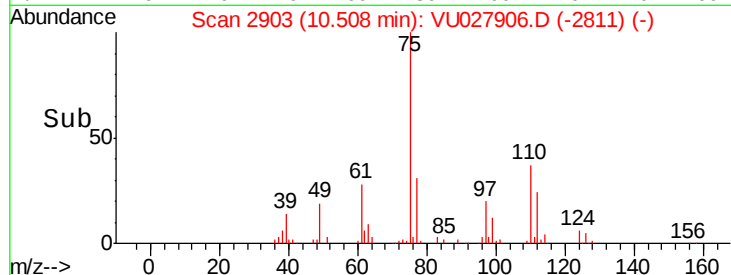
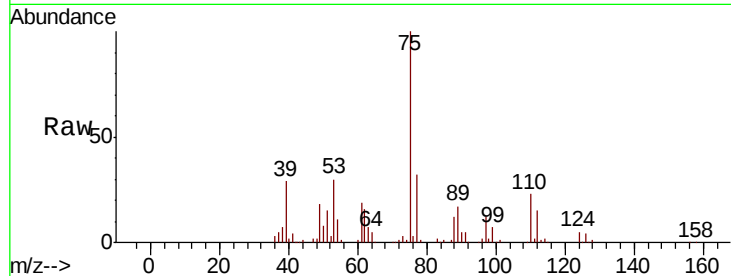
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	87452
Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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11/2/2018 9:00:14 AM



#82

4-Chlorotoluene

Concen: 54.366 ug/l

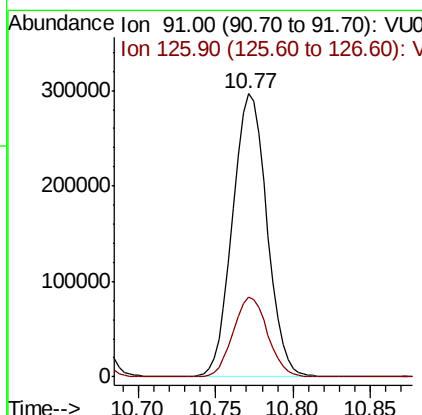
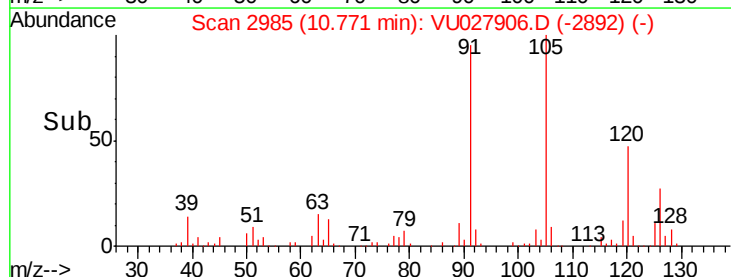
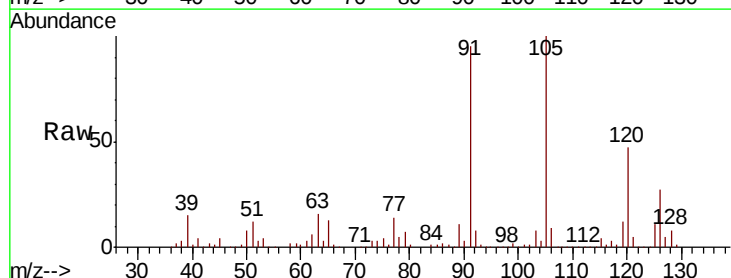
RT: 10.77 min Scan# 2985

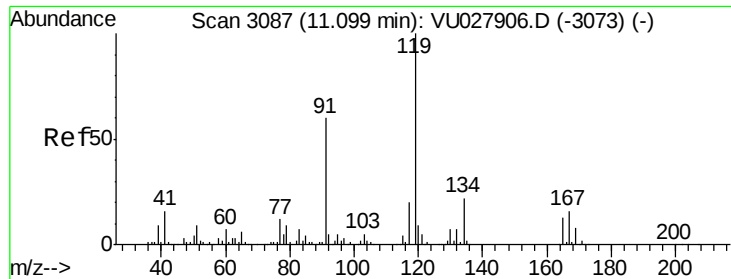
Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Tgt Ion:	91	Resp:	455188
Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6





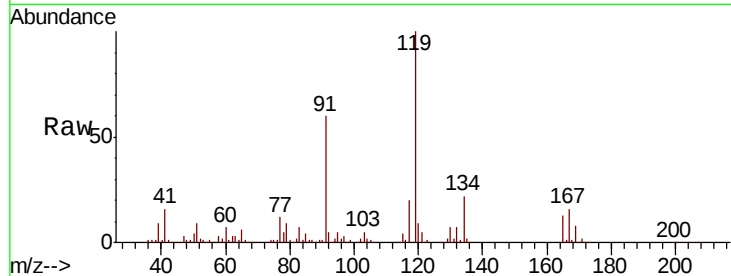
#83
tert-Butylbenzene
Concen: 57.009 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	459927		
91	59.5	29.8	89.3	
134	22.1	11.1	33.1	

Manual Integrations
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11/2/2018 9:00:14 AM

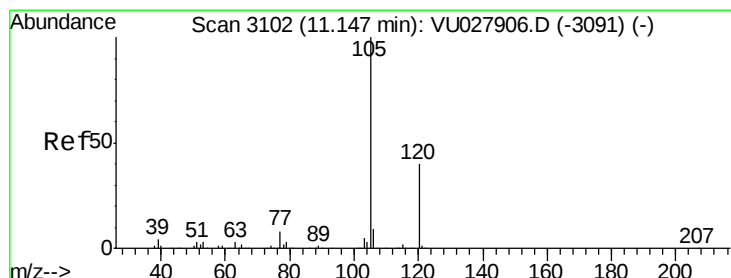
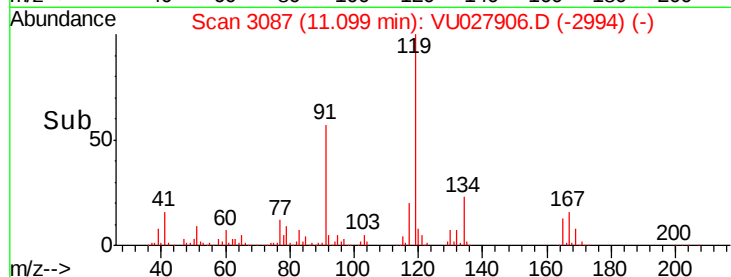
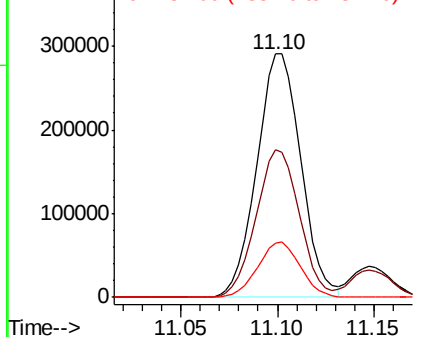


Abundance

Ion 119.00 (118.70 to 119.70): V

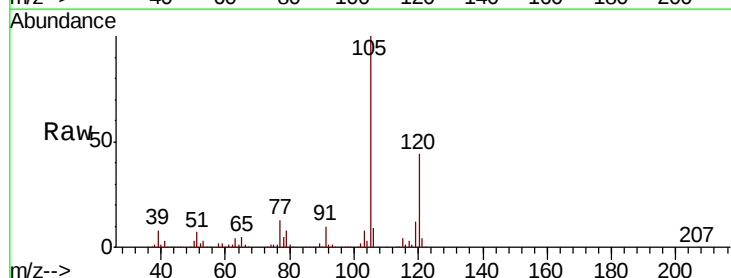
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 56.609 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

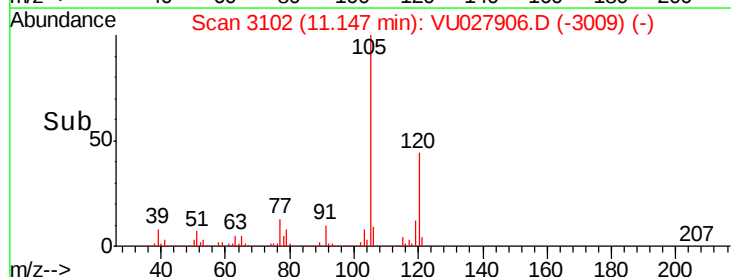
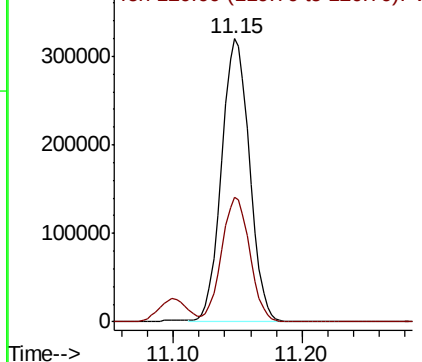
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	480875		
120	44.1	22.1	66.1	

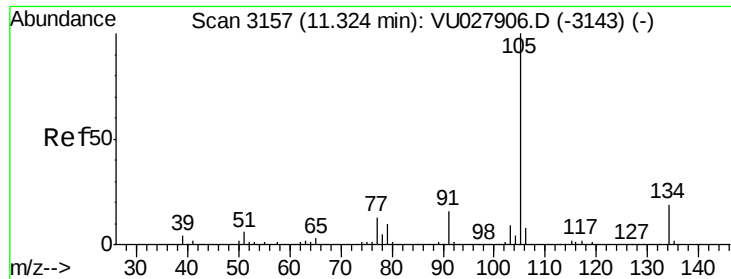


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 57.272 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 581490

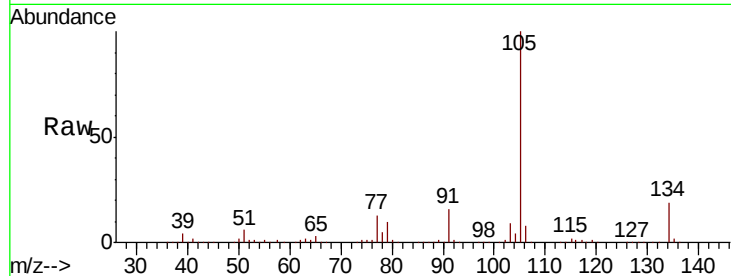
Ion Ratio Lower Upper

105 100

134 18.4 9.2 27.6

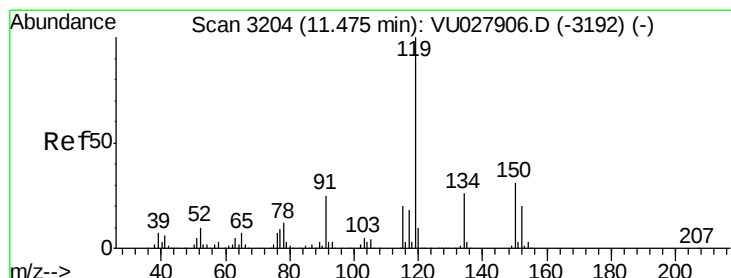
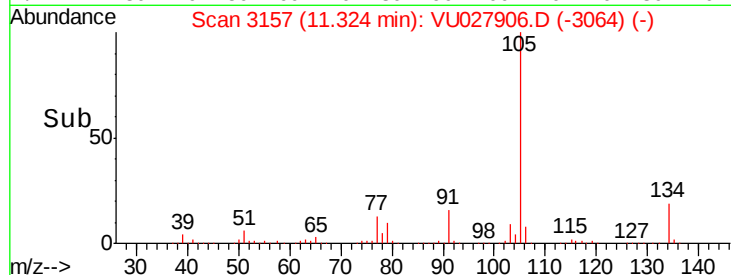
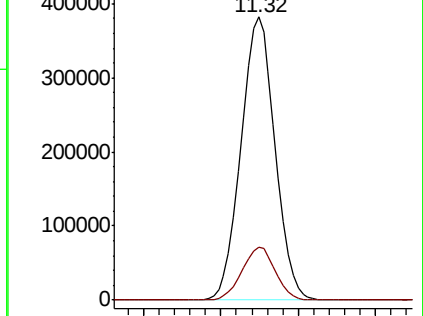
Manual Integrations
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11/2/2018 9:00:14 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.221 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

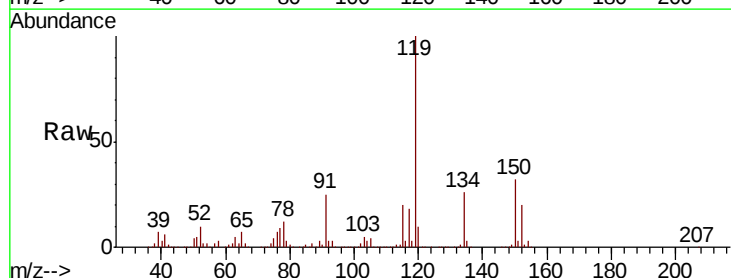
Tgt Ion:119 Resp: 486219

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

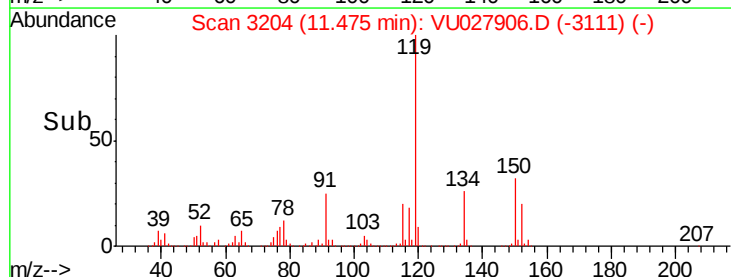
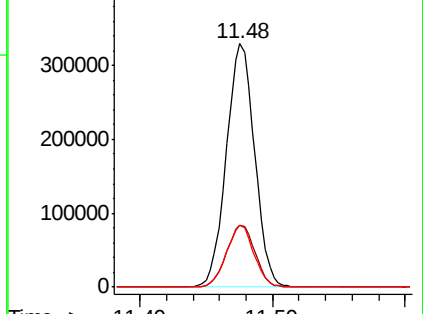
91 24.8 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





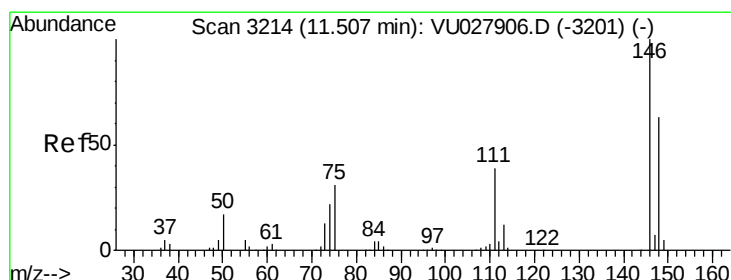
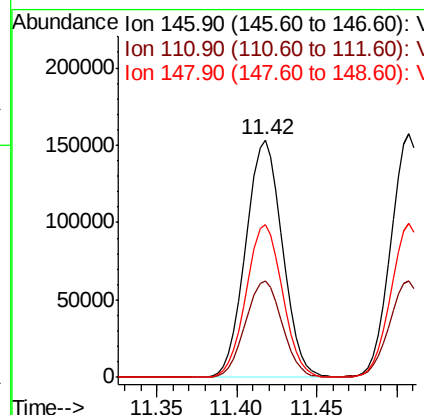
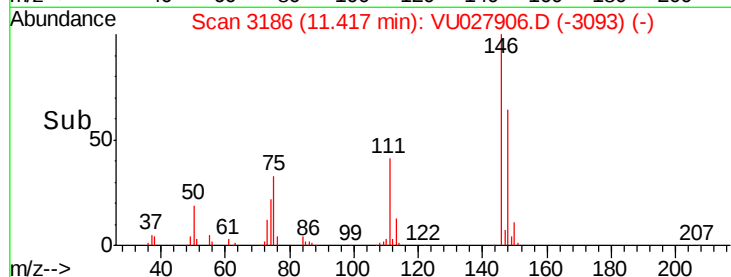
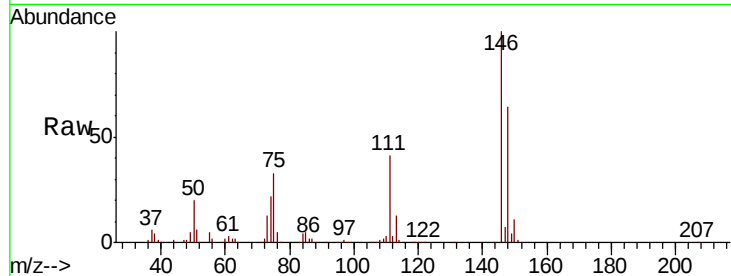
#87
 1,3-Dichlorobenzene
 Concen: 53.291 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	61.0
148	63.6	31.8	95.4

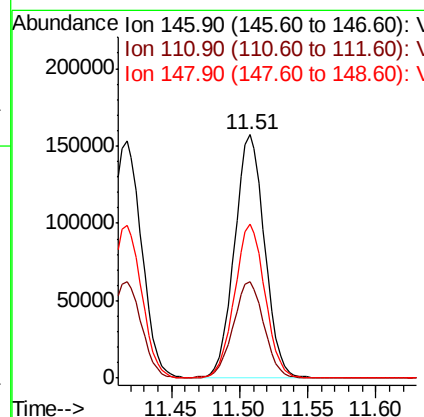
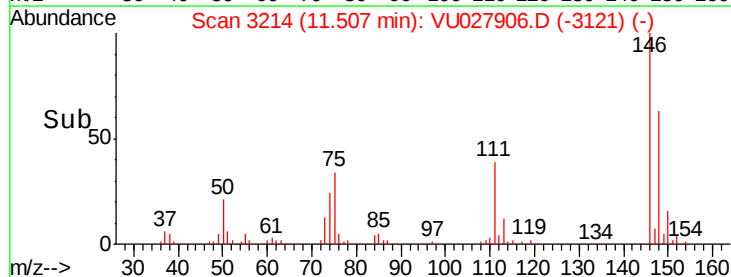
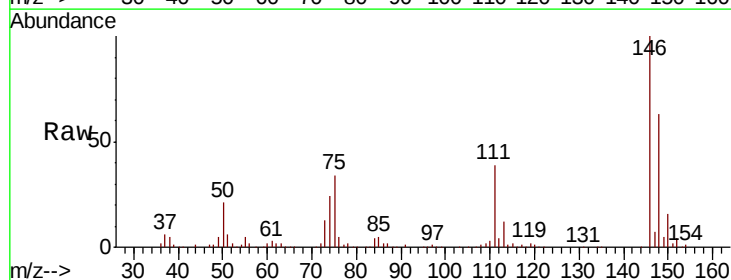
Manual Integrations
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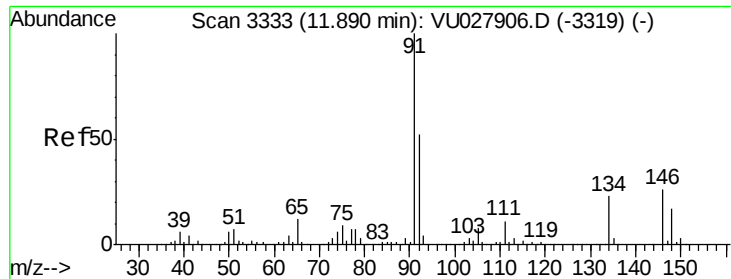
MMDadoda
 11/2/2018 9:00:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.543 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.9
148	64.1	32.0	96.2





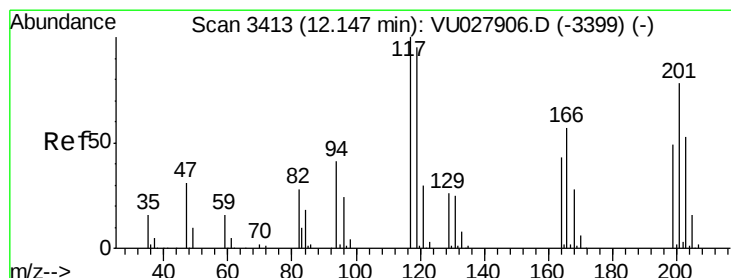
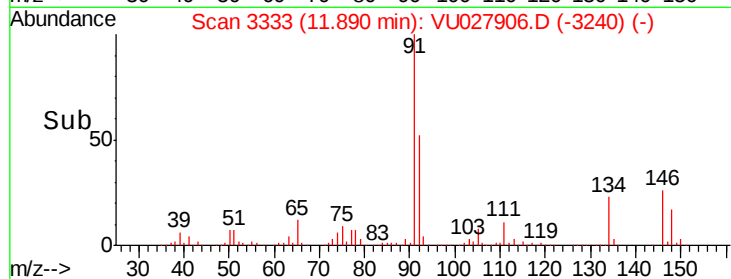
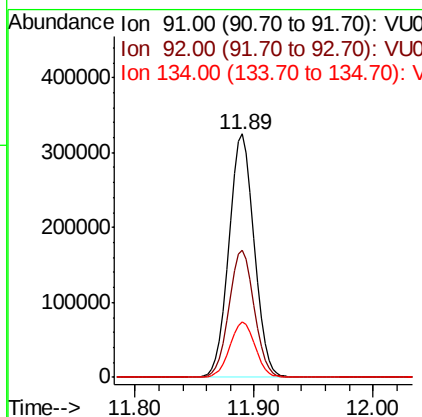
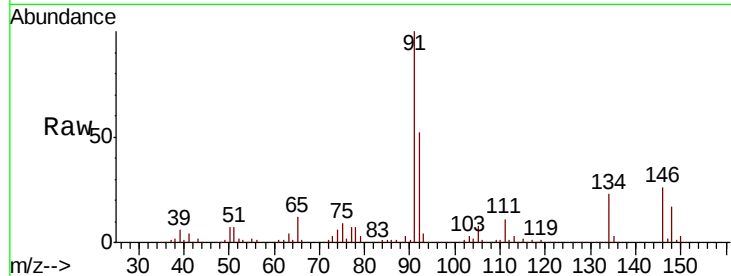
#89
n-Butylbenzene
Concen: 58.786 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		477245		
92	52.3	26.2	78.5		
134	23.0	11.5	34.5		

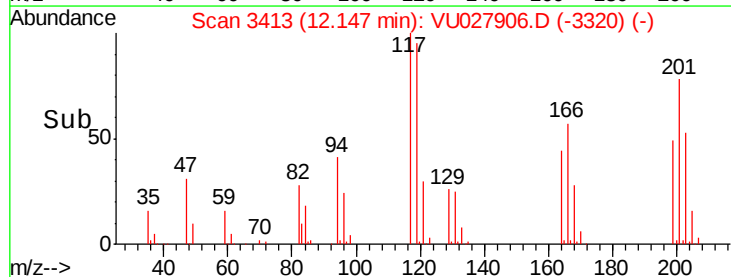
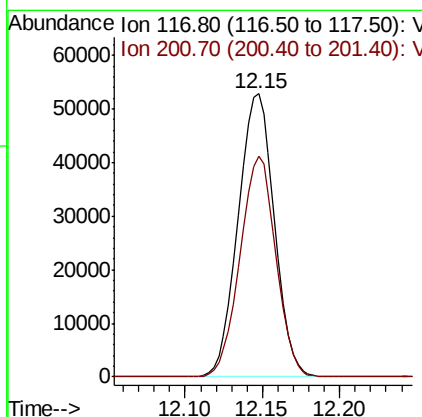
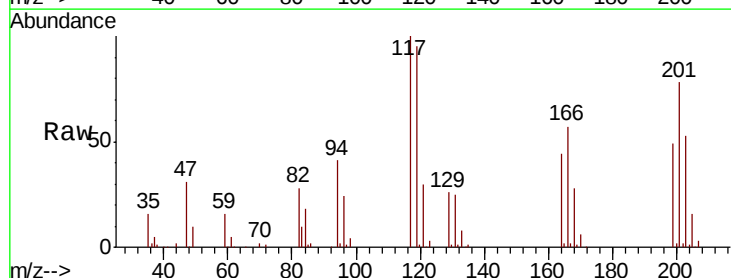
Manual Integrations
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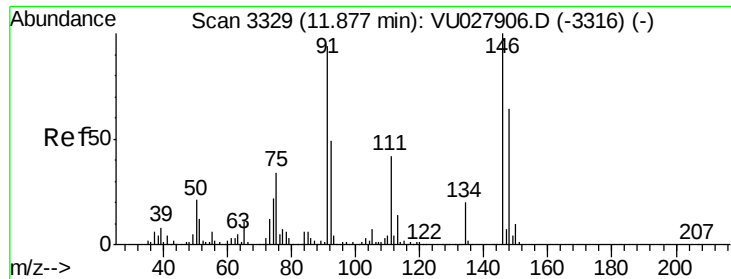
MMDadoda
11/2/2018 9:00:14 AM



#90
Hexachloroethane
Concen: 52.931 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027906.D
Acq: 01 Nov 2018 19:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		86053		
201	77.0	38.5	115.5		





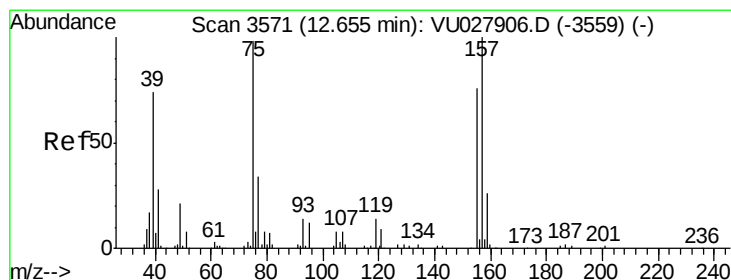
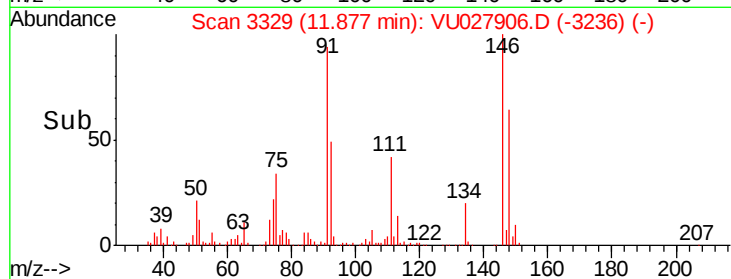
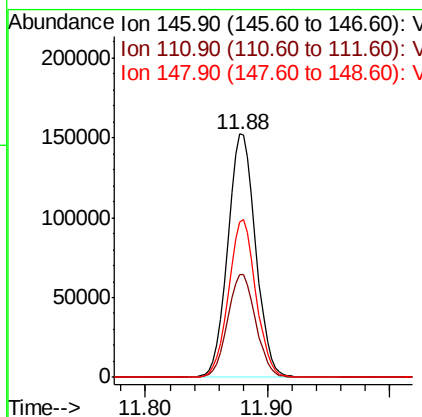
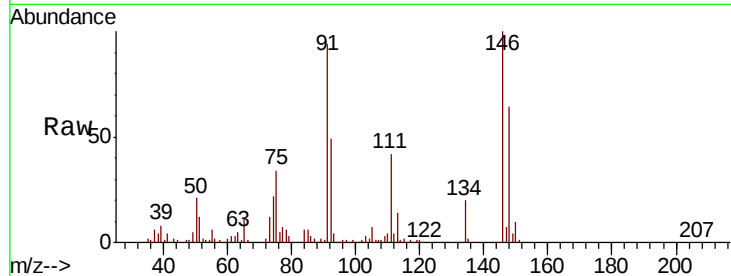
#91
 1,2-Dichlorobenzene
 Concen: 55.317 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	64.0
148	63.5	31.8	95.3

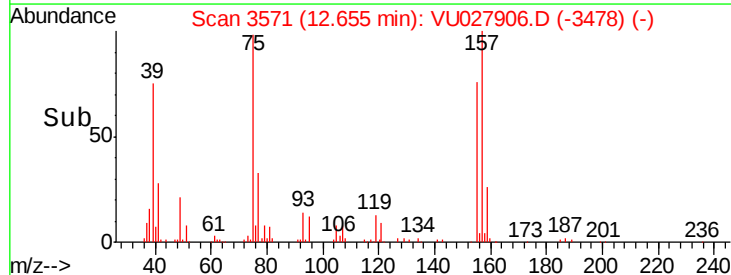
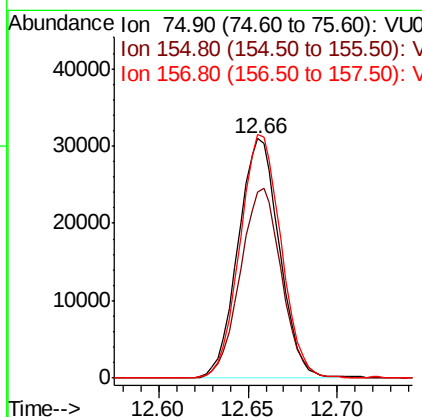
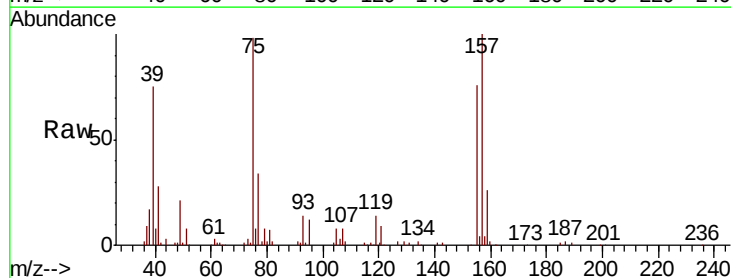
Manual Integrations
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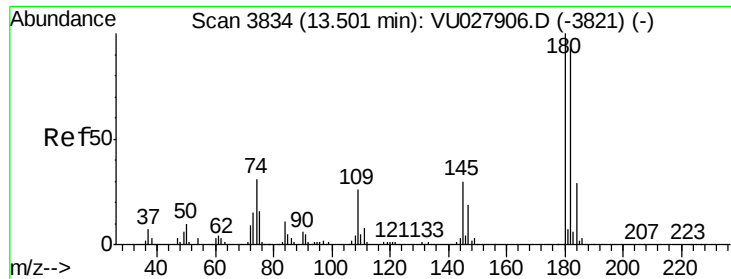
MMDadoda
 11/2/2018 9:00:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.101 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.5	39.8	119.3
157	101.3	50.6	151.9





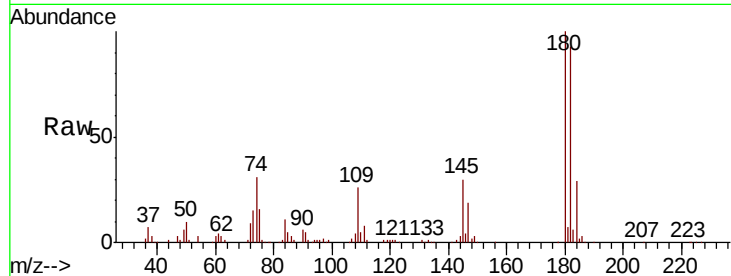
#93
 1,2,4-Trichlorobenzene
 Concen: 58.136 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	165702		
182	96.8	48.4	145.2	
145	29.7	14.9	44.5	

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:00:14 AM

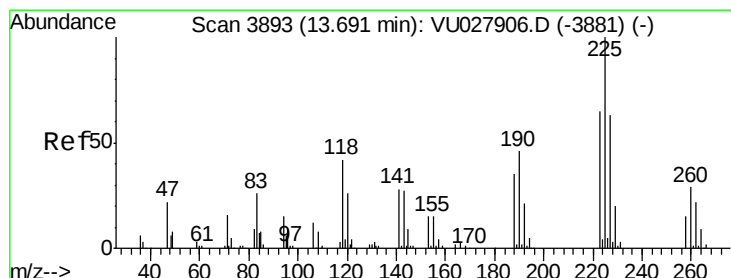
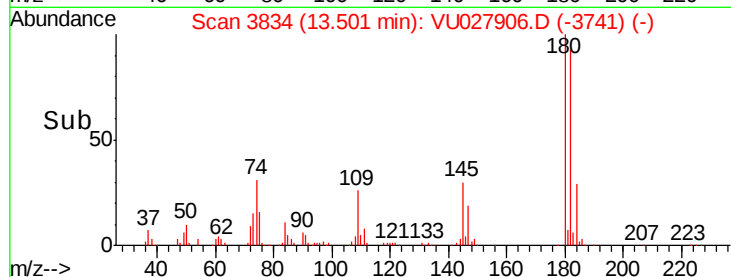
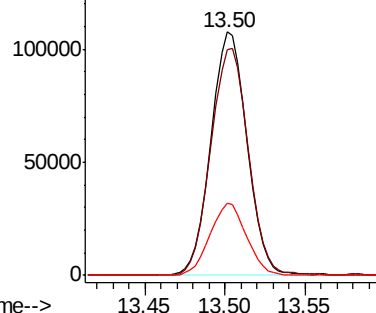


Abundance

Ion 179.80 (179.50 to 180.50): V

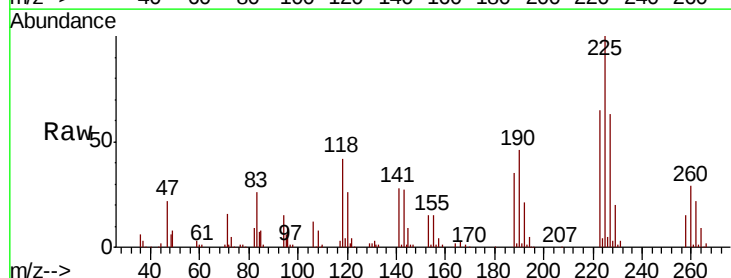
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 54.237 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU027906.D
 Acq: 01 Nov 2018 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77646		
223	64.4	32.2	96.6	
227	64.9	32.5	97.4	

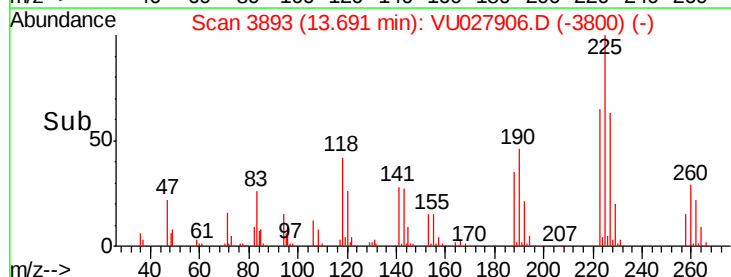
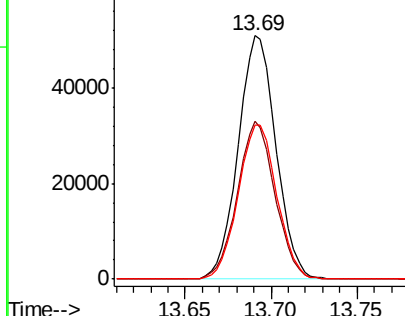


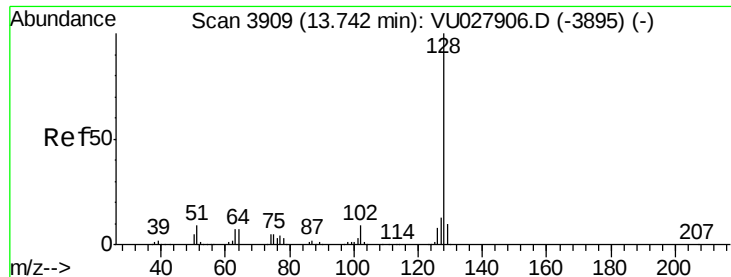
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 62.847 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Instrument :

MSVOA_U

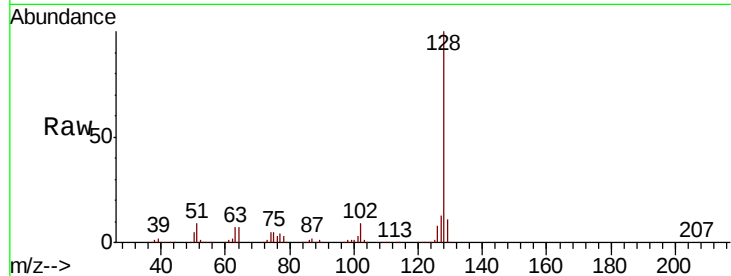
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	610482
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.4	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:00:14 AM

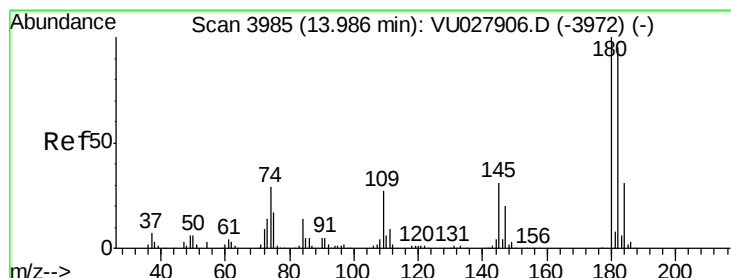
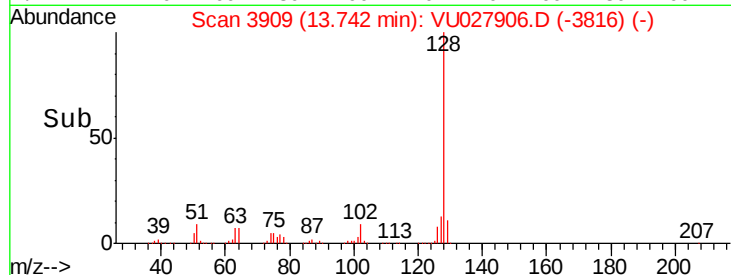
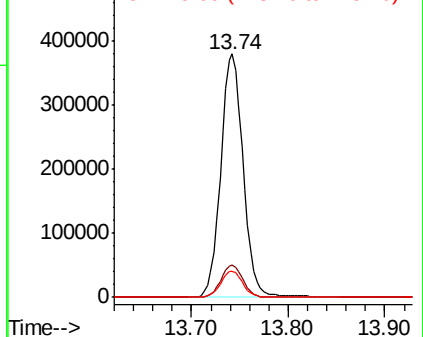


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 58.564 ug/l

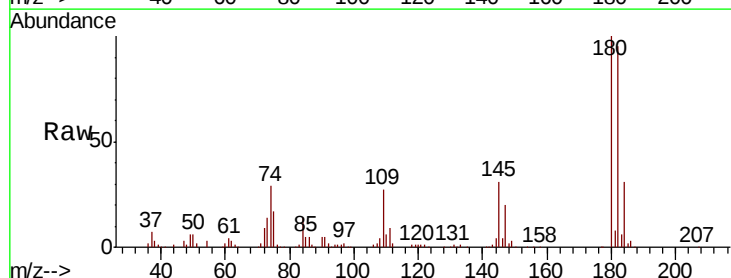
RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027906.D

Acq: 01 Nov 2018 19:35

Tgt Ion:	180	Resp:	174619
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.4	142.3
145	31.9	16.0	47.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

