

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110218\
 Data File : VU027909.D
 Acq On : 01 Nov 2018 20:45
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU110218

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:00:26 AM

Quant Time: Nov 02 01:33:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	188184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	325109	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	304541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	150838	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	135879	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	4.88	113	100737	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	7.57	98	387080	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	10.31	95	143714	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	129443	54.133	ug/l	98
3) Chloromethane	1.33	50	151119	52.255	ug/l	98
4) Vinyl Chloride	1.40	62	151701	52.852	ug/l	98
5) Bromomethane	1.61	94	65796	54.656	ug/l	97
6) Chloroethane	1.69	64	85198	51.508	ug/l	100
7) Trichlorofluoromethane	1.88	101	166310	50.142	ug/l	95
8) Diethyl Ether	2.11	74	71016	50.005	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	99880	50.692	ug/l	98
10) Methyl Iodide	2.41	142	83232	46.617	ug/l	99
11) Tert butyl alcohol	2.83	59	178266	240.679	ug/l	100
12) 1,1-Dichloroethene	2.28	96	98503	49.944	ug/l	95
13) Acrolein	2.20	56	67007	245.827	ug/l	98
14) Allyl chloride	2.59	41	229250	47.559	ug/l	97
15) Acrylonitrile	2.94	53	447723	246.081	ug/l	99
16) Acetone	2.32	43	401080	231.053	ug/l	98
17) Carbon Disulfide	2.48	76	332770	51.620	ug/l	99
18) Methyl Acetate	2.62	43	219334	45.932	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	393398	49.462	ug/l	99
20) Methylene Chloride	2.70	84	123228	48.620	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	110607	48.595	ug/l	99
22) Diisopropyl ether	3.58	45	485825	48.818	ug/l	100
23) Vinyl Acetate	3.53	43	2136121	249.758	ug/l	99
24) 1,1-Dichloroethane	3.45	63	238618	48.138	ug/l	99
25) 2-Butanone	4.27	43	676631	245.013	ug/l	99
26) 2,2-Dichloropropane	4.23	77	175230	47.106	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	129021	50.549	ug/l	99
28) Bromochloromethane	4.55	49	116828	50.274	ug/l	100
29) Tetrahydrofuran	4.64	42	438979	238.053	ug/l	99
30) Chloroform	4.67	83	217451	47.844	ug/l	99
31) Cyclohexane	5.00	56	242328	49.811	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	179966	49.743	ug/l	99
36) 1,1-Dichloropropene	5.14	75	169424	49.758	ug/l	99
37) Ethyl Acetate	4.39	43	242929	48.692	ug/l	100
38) Carbon Tetrachloride	5.14	117	147154	48.767	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	207858	50.613	ug/l	98
40) Benzene	5.39	78	517137	49.675	ug/l	99
41) Methacrylonitrile	4.55	41	134717	50.598	ug/l	97
42) 1,2-Dichloroethane	5.40	62	177893	48.074	ug/l	99
43) Isopropyl Acetate	5.55	43	383982	49.125	ug/l	99
44) Trichloroethene	6.19	130	113025	50.509	ug/l	98
45) 1,2-Dichloropropane	6.43	63	148356	49.414	ug/l	99
46) Dibromomethane	6.56	93	87642	50.786	ug/l	97
47) Bromodichloromethane	6.76	83	167773	50.448	ug/l	99
48) Methyl methacrylate	6.62	41	192433	50.239	ug/l	98
49) 1,4-Dioxane	6.61	88	65121	1042.063	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1268451	242.997	ug/l	99
52) Toluene	7.64	92	306753	50.122	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	200907	48.743	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	216072	52.704	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	122706	49.281	ug/l	97
56) Ethyl methacrylate	8.02	69	227172	51.736	ug/l	98
57) 1,3-Dichloropropane	8.24	76	225517	49.721	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	585072	248.785	ug/l	99
59) 2-Hexanone	8.36	43	993721	246.133	ug/l	99
60) Dibromochloromethane	8.48	129	123056	52.227	ug/l	98
61) 1,2-Dibromoethane	8.59	107	134028	50.658	ug/l	100
64) Tetrachloroethene	8.23	164	96737	48.988	ug/l	97
65) Chlorobenzene	9.12	112	323782	50.322	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	108961	49.580	ug/l	98
67) Ethyl Benzene	9.25	91	595211	50.258	ug/l	100
68) m/p-Xylenes	9.38	106	431984	100.527	ug/l	99
69) o-Xylene	9.78	106	213293	49.155	ug/l	100
70) Styrene	9.79	104	357623	51.581	ug/l	98
71) Bromoform	9.96	173	93839	50.949	ug/l #	98
73) Isopropylbenzene	10.17	105	573384	49.069	ug/l	100
74) N-amyl acetate	10.01	43	354890	50.226	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	226385	48.029	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	175375m	42.506	ug/l	
77) Bromobenzene	10.45	156	136085	50.788	ug/l	98
78) n-propylbenzene	10.59	91	700984	50.116	ug/l	99
79) 2-Chlorotoluene	10.66	91	409510	48.844	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	480502	49.639	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	90432m	54.701	ug/l	
82) 4-Chlorotoluene	10.77	91	471638	49.552	ug/l	100
83) tert-Butylbenzene	11.10	119	462516	47.795	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	490219	50.293	ug/l	99
85) sec-Butylbenzene	11.32	105	598503	50.854	ug/l	99
86) p-Isopropyltoluene	11.48	119	495993	50.413	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	248296	50.164	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	248511	48.984	ug/l	99
89) n-Butylbenzene	11.89	91	490101	52.415	ug/l	100
90) Hexachloroethane	12.15	117	87318	49.849	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	249031	50.030	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	50904	51.253	ug/l	98

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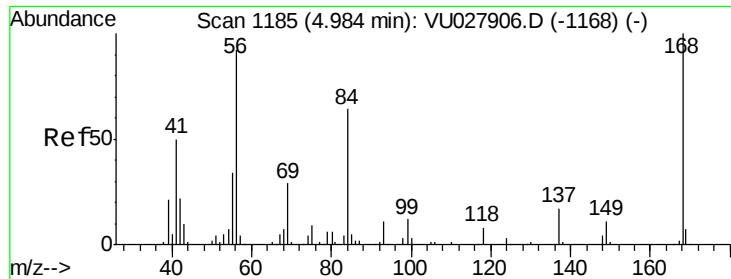
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	172647	49.464	ug/l	100
94) Hexachlorobutadiene	13.69	225	82539	52.174	ug/l	98
95) Naphthalene	13.74	128	629464	50.878	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	182330	54.589	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

ICVVU110218

Tot Ion:168 Resp: 188184

Ion Ratio Lower Upper

168 100

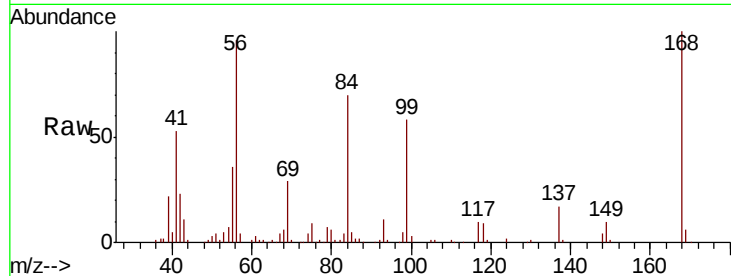
99 57.4 47.9 71.9

Manual Integrations

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11/2/2018 9:00:26 AM



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027909.D (-1092) (-)

4.99

80000

60000

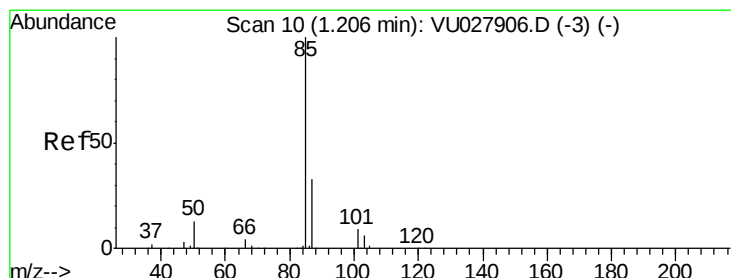
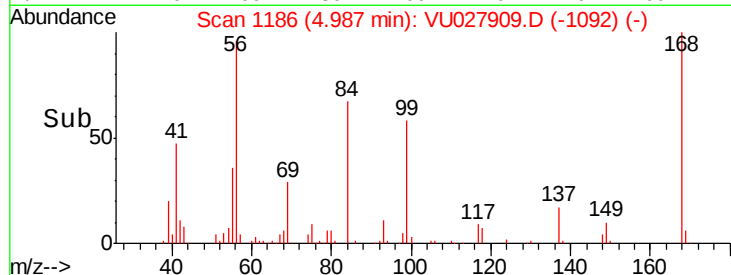
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.133 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027909.D

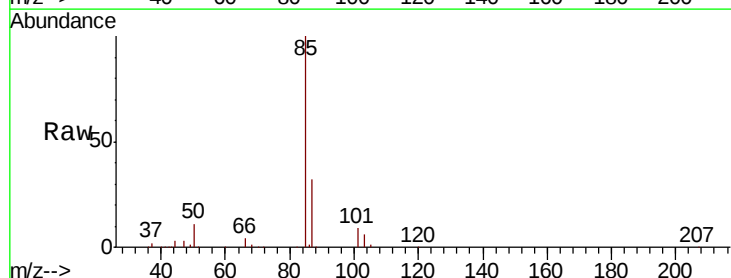
Acq: 01 Nov 2018 20:45

Tgt Ion: 85 Resp: 129443

Ion Ratio Lower Upper

85 100

87 32.1 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027909.D (-1) (-)

1.21

150000

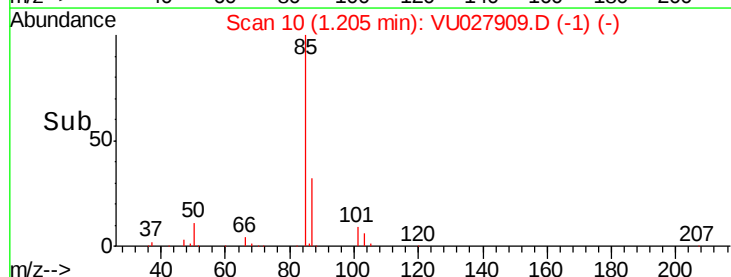
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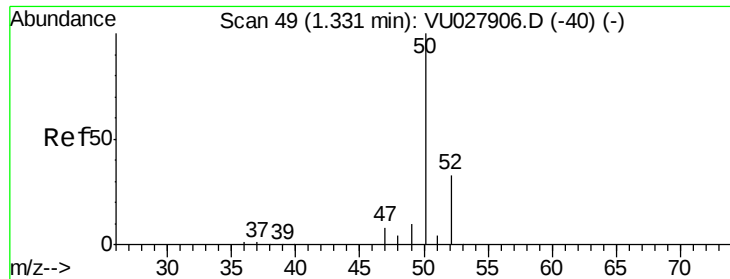
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 52.255 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

ICVVU110218

Tot Ion: 50 Resp: 151119

Ion Ratio Lower Upper

50 100

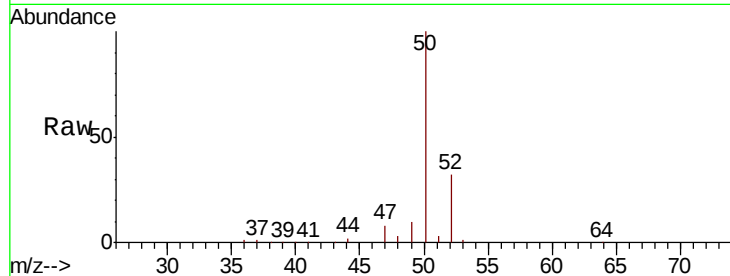
52 31.8 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU027909.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU027909.D (-1) (-)

1.33

150000

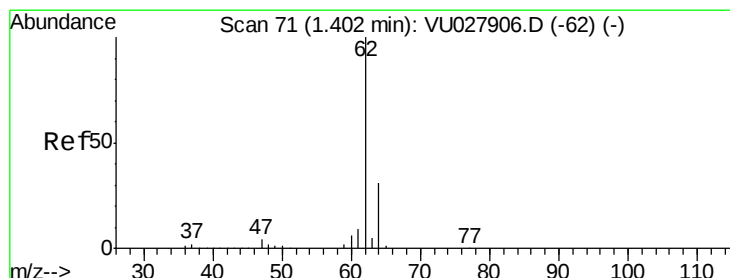
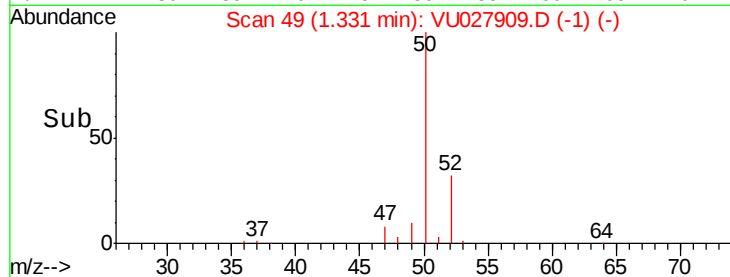
100000

50000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 52.852 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027909.D

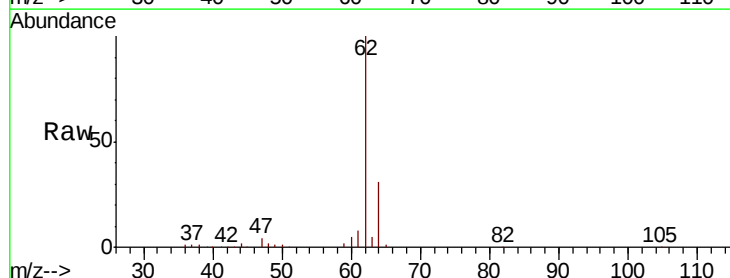
Acq: 01 Nov 2018 20:45

Tgt Ion: 62 Resp: 151701

Ion Ratio Lower Upper

62 100

64 30.6 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027909.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU027909.D (-1) (-)

1.40

150000

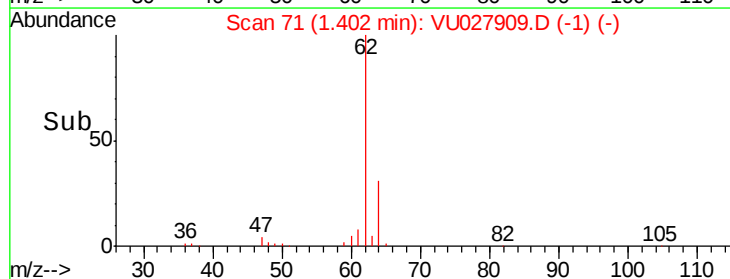
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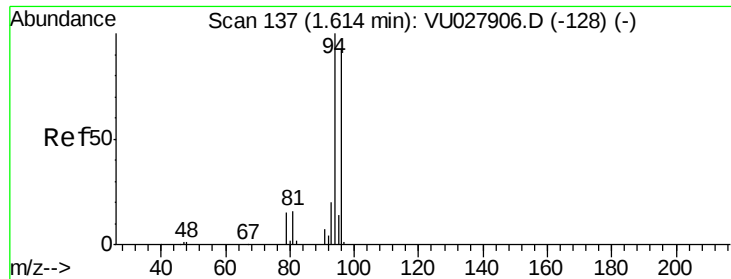
50000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 54.656 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

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ICVVU110218

Tot Ion: 94 Resp: 65796

Ion Ratio Lower Upper

94 100

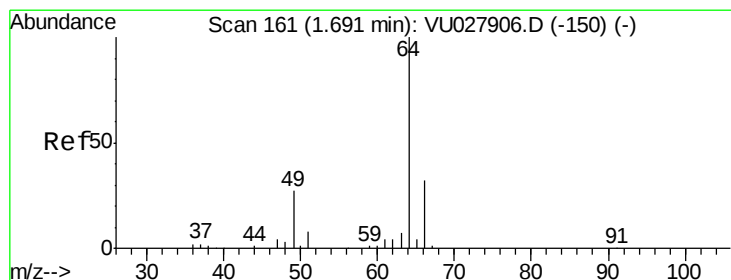
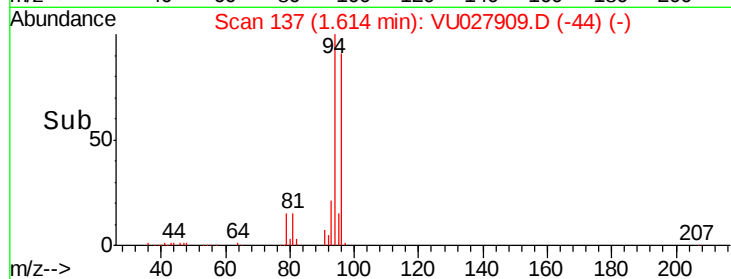
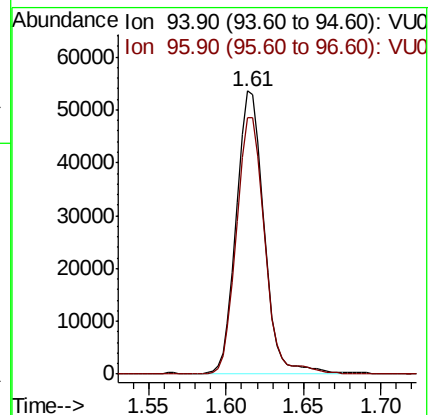
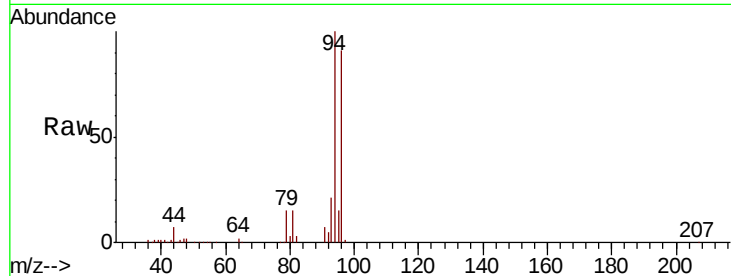
96 91.0 74.8 112.2

Manual Integrations

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11/2/2018 9:00:26 AM



#6

Chloroethane

Concen: 51.508 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027909.D

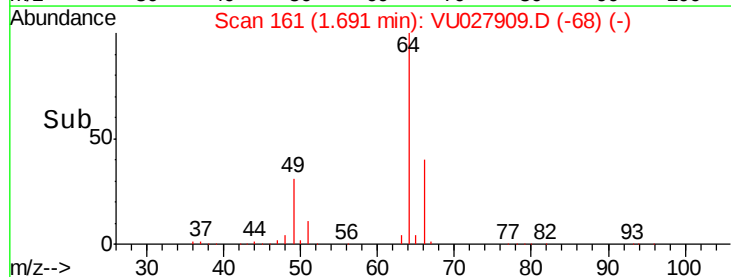
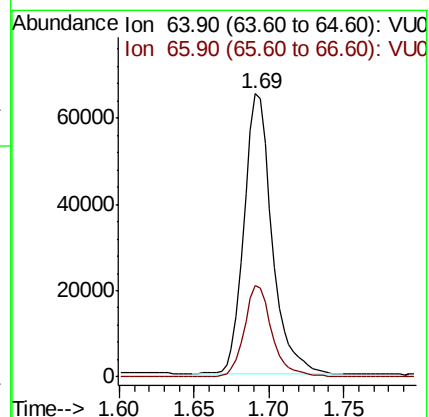
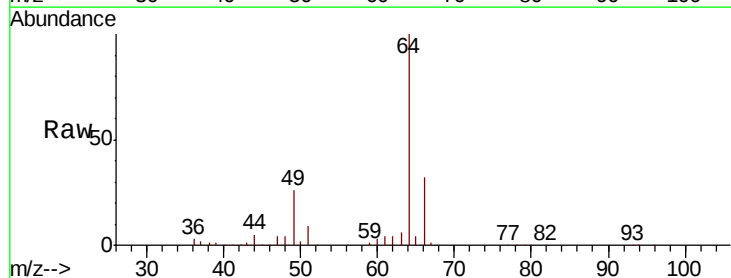
Acq: 01 Nov 2018 20:45

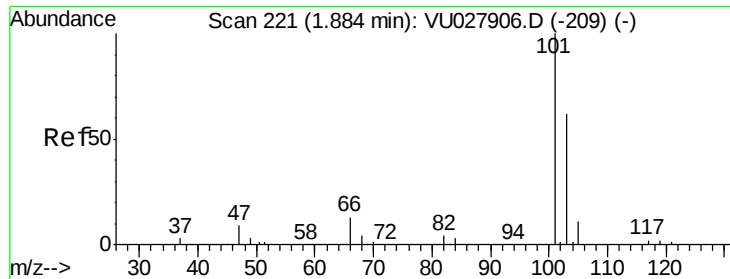
Tgt Ion: 64 Resp: 85198

Ion Ratio Lower Upper

64 100

66 32.6 25.9 38.9





#7

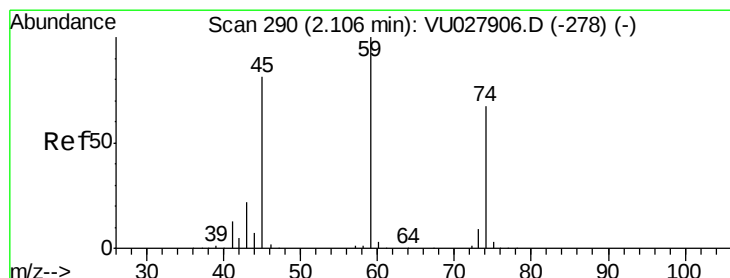
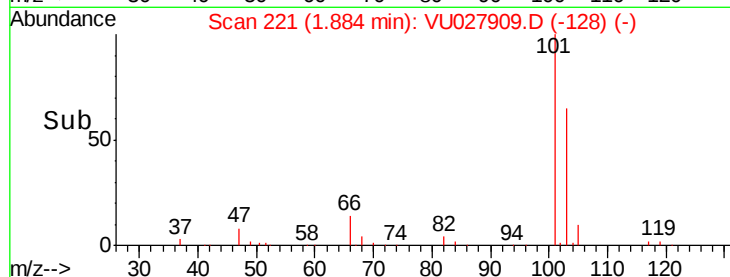
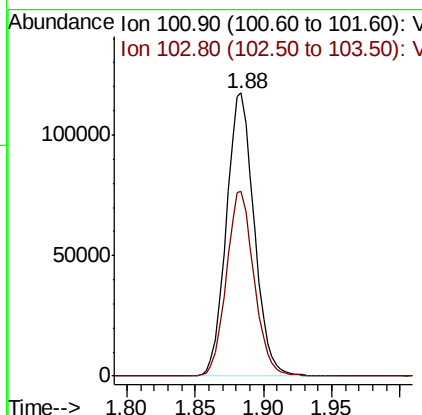
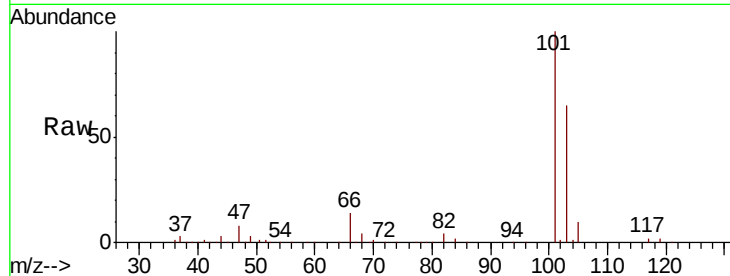
Trichlorofluoromethane
Concen: 50.142 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

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ClientSampleId :
ICVVU110218

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	49.4	74.2

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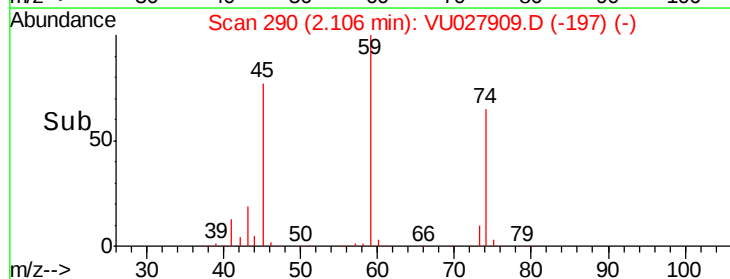
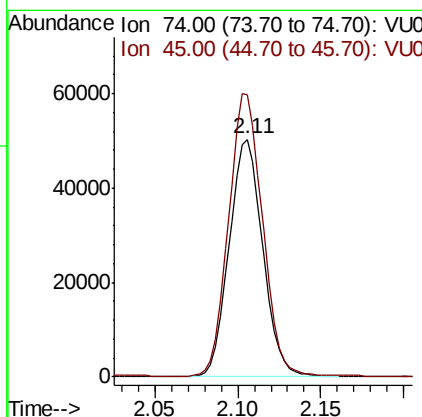
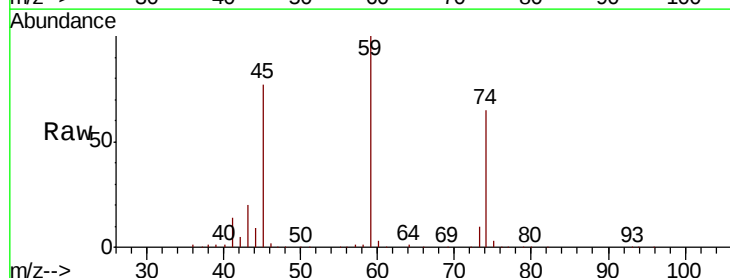
MMDadoda
11/2/2018 9:00:26 AM

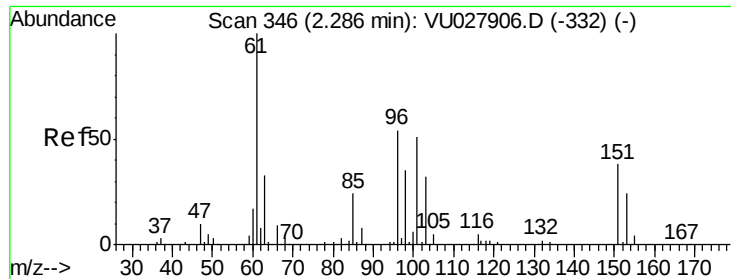


#8

Diethyl Ether
Concen: 50.005 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.6	60.5	181.5





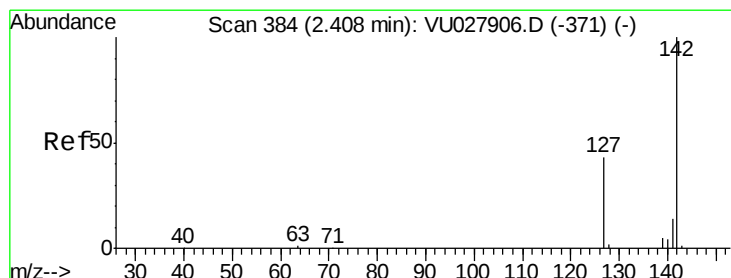
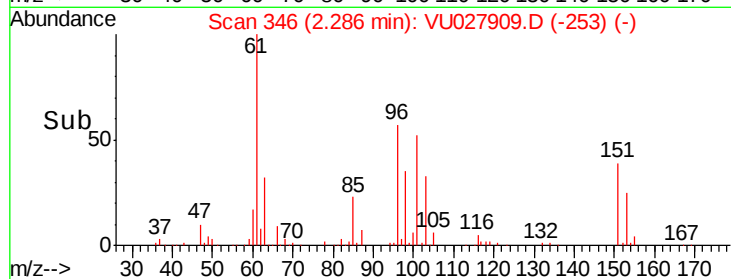
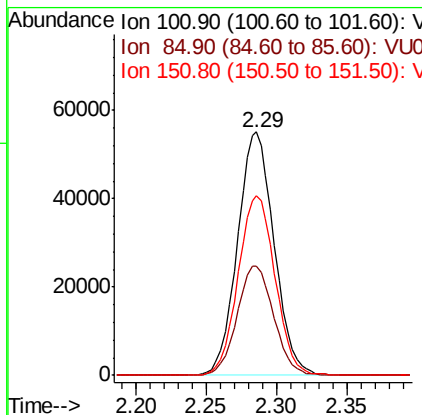
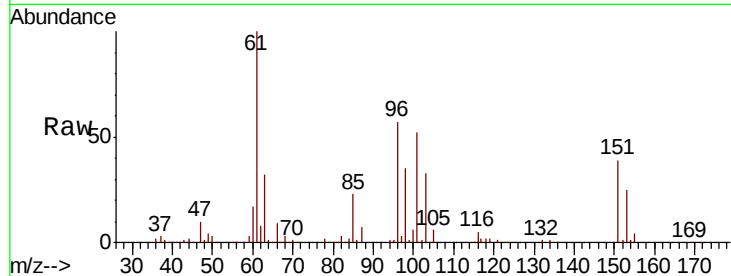
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.692 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Instrument :
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 ICVVU110218

Tot Ion	Ratio	Resp	Lower	Upper
101	100	99880		
85	45.1	36.9	55.3	
151	74.5	58.0	87.0	

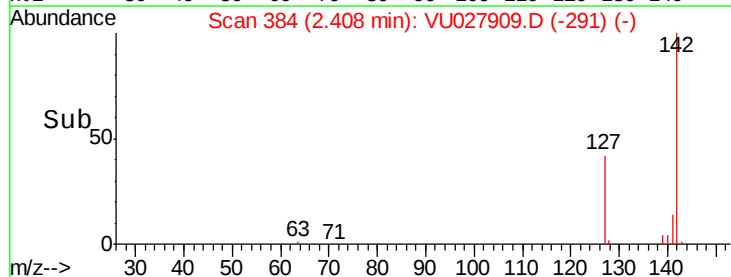
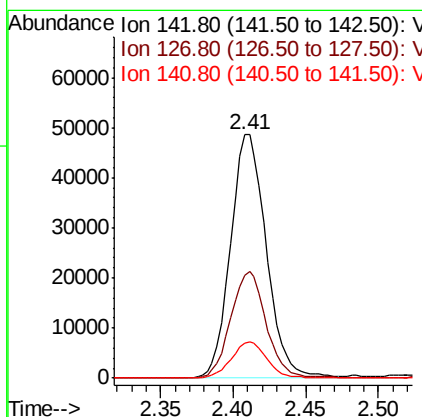
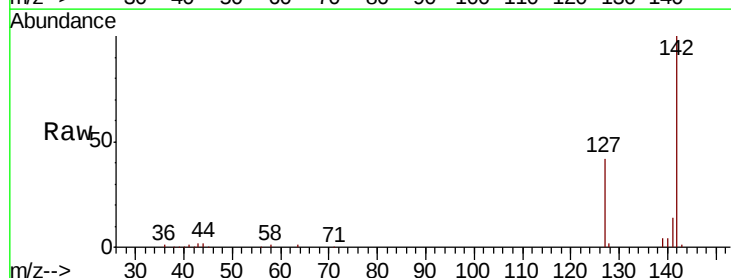
Manual Integrations
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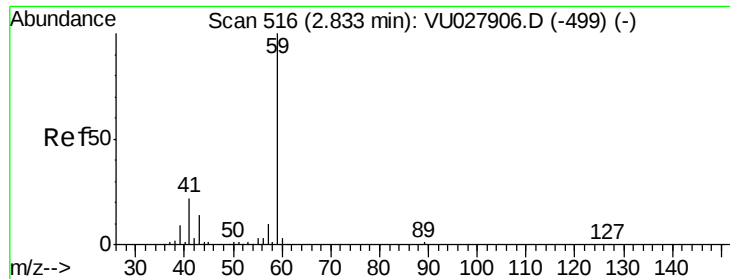
MMDadoda
 11/2/2018 9:00:26 AM



#10
 Methyl Iodide
 Concen: 46.617 ug/l
 RT: 2.41 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	83232		
127	43.0	35.2	52.8	
141	14.7	11.8	17.8	





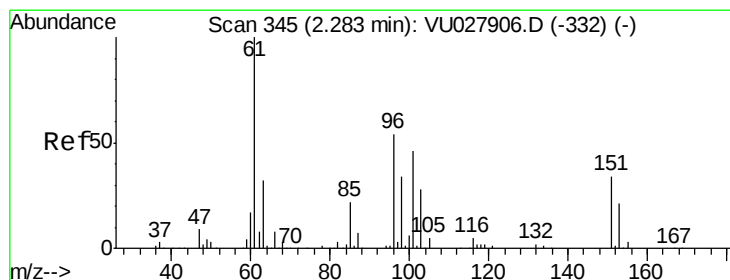
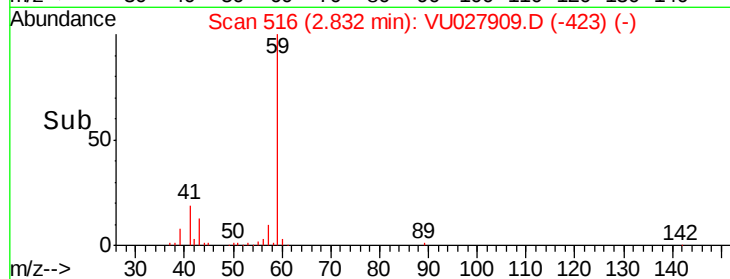
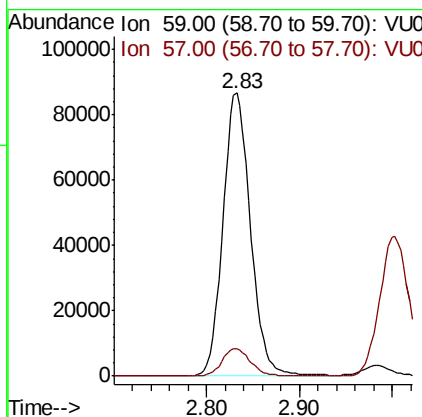
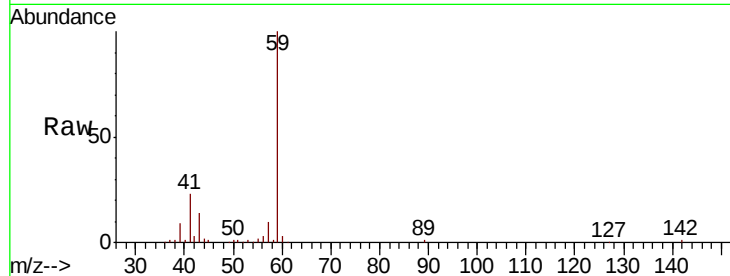
#11
Tert butyl alcohol
Concen: 240.679 ug/l
RT: 2.83 min Scan# 516
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

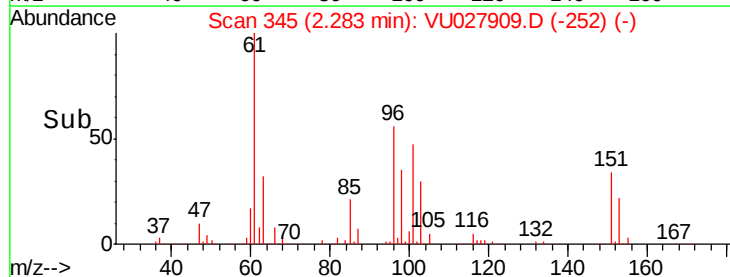
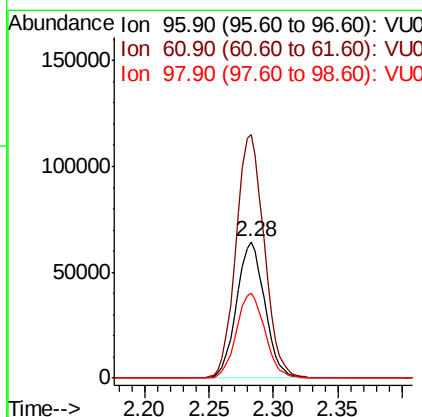
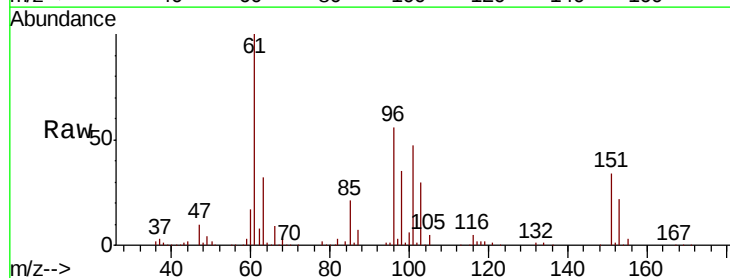
Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:00:26 AM



#12
1,1-Dichloroethene
Concen: 49.944 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.3	149.3	223.9
98	61.9	50.6	75.8





#13

Acrolein

Concen: 245.827 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

ICVVU110218

Tot Ion: 56 Resp: 67007

Ion Ratio Lower Upper

56 100

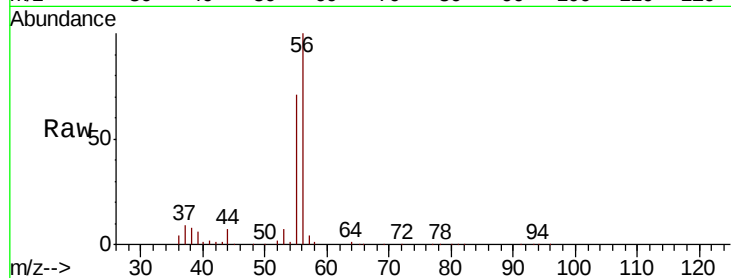
55 71.7 56.2 84.4

Manual Integrations

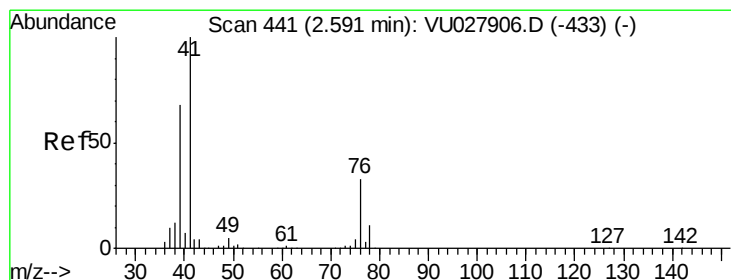
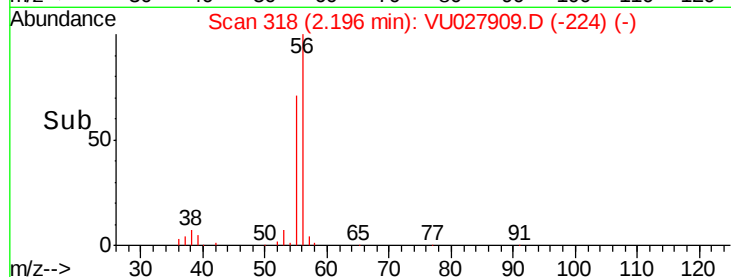
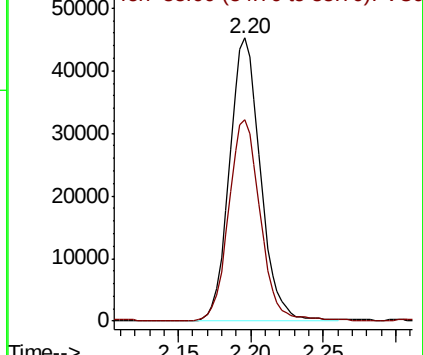
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Abundance Ion 56.00 (55.70 to 56.70): VU027909.D (-224) (-)



#14

Allyl chloride

Concen: 47.559 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

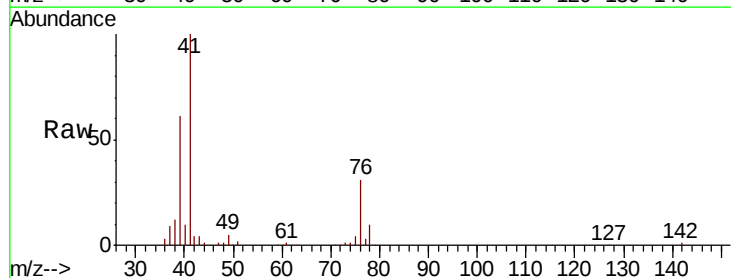
Tgt Ion: 41 Resp: 229250

Ion Ratio Lower Upper

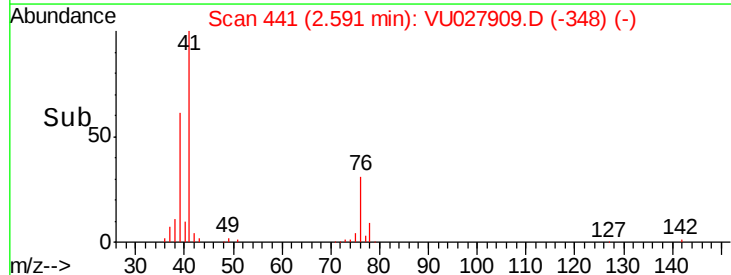
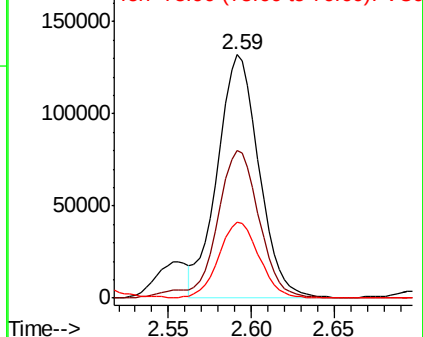
41 100

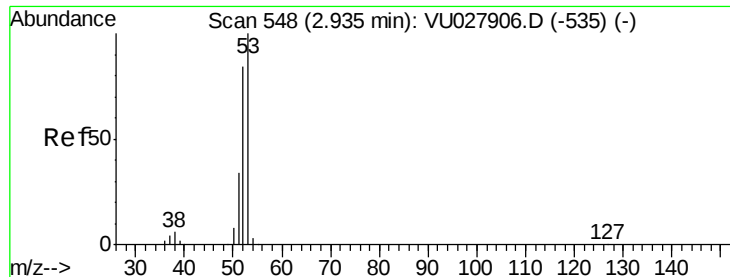
39 62.1 51.9 77.9

76 30.5 23.8 35.6



Abundance Ion 41.00 (40.70 to 41.70): VU027909.D (-348) (-)





#15

Acrylonitrile

Concen: 246.081 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

MSVOA_U

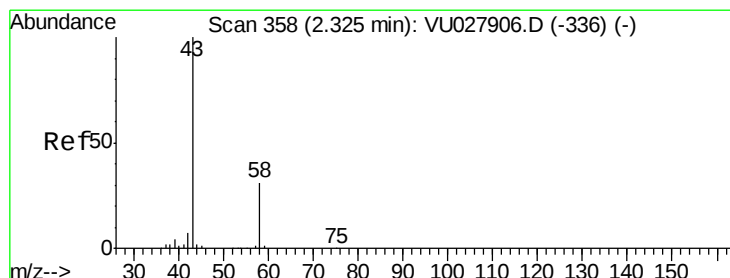
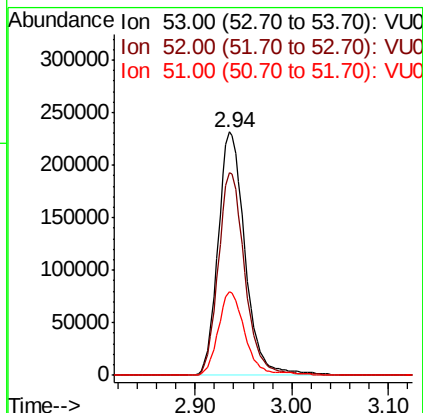
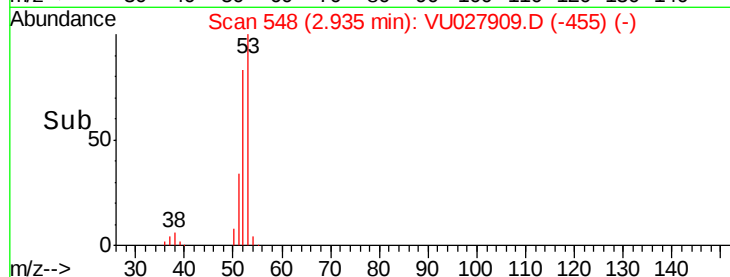
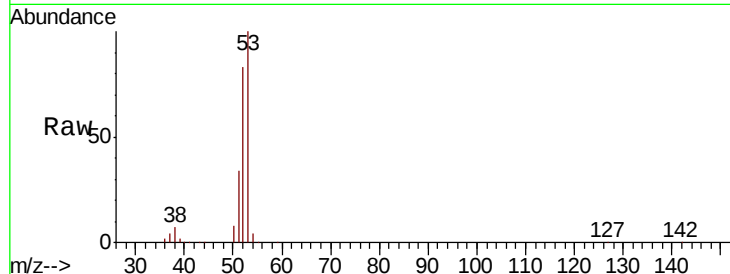
ClientSampleId :

ICVVU110218

Tot Ion:	53	Resp:	447723
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	34.5	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 231.053 ug/l

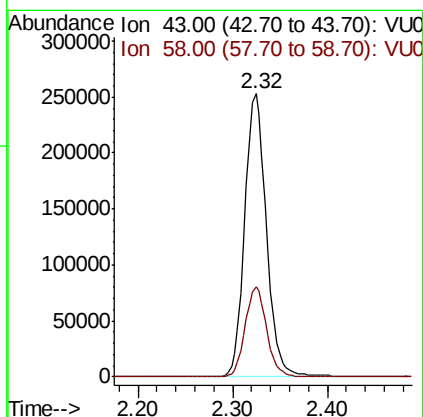
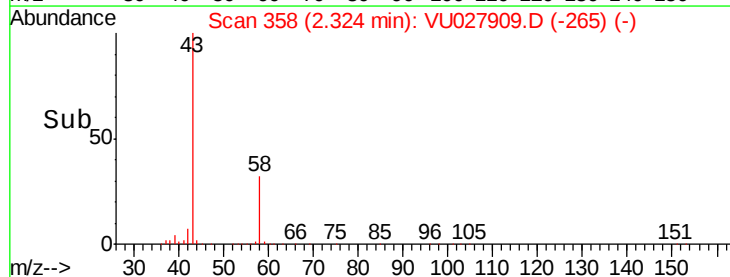
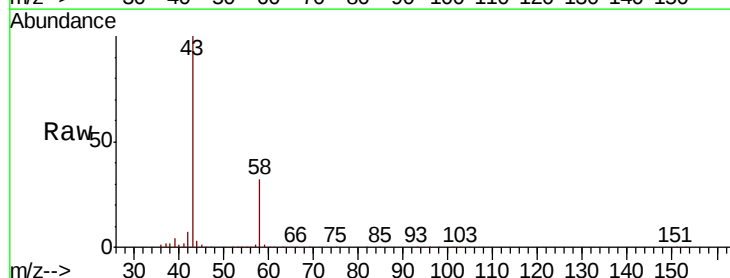
RT: 2.32 min Scan# 358

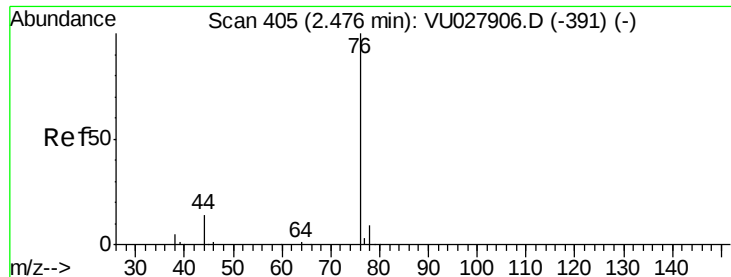
Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Tgt Ion:	43	Resp:	401080
Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.6	37.0





#17

Carbon Disulfide

Concen: 51.620 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

ICVVU110218

Tot Ion: 76 Resp: 332770

Ion Ratio Lower Upper

76 100

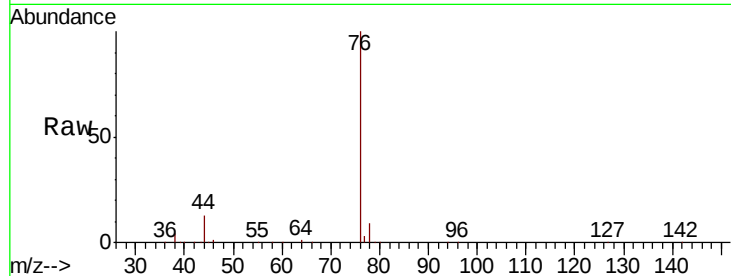
78 8.8 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU027909.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU027909.D (-312) (-)

2.48

200000

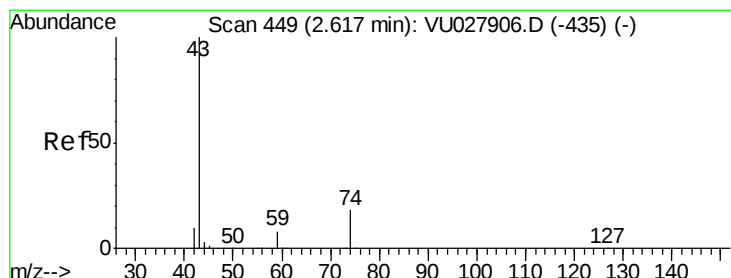
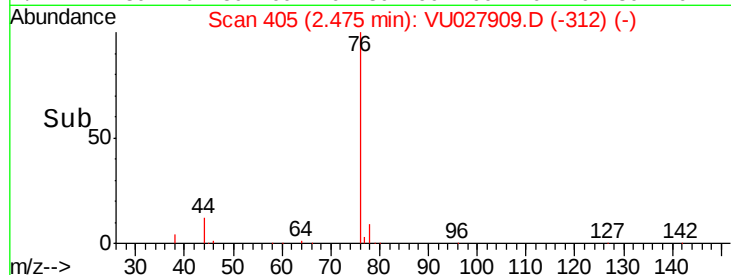
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.932 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027909.D

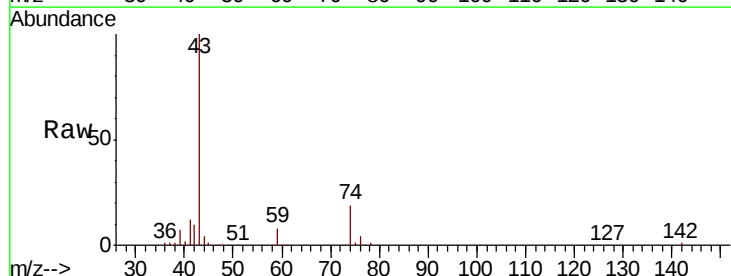
Acq: 01 Nov 2018 20:45

Tgt Ion: 43 Resp: 219334

Ion Ratio Lower Upper

43 100

74 19.5 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU027909.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027909.D (-356) (-)

2.62

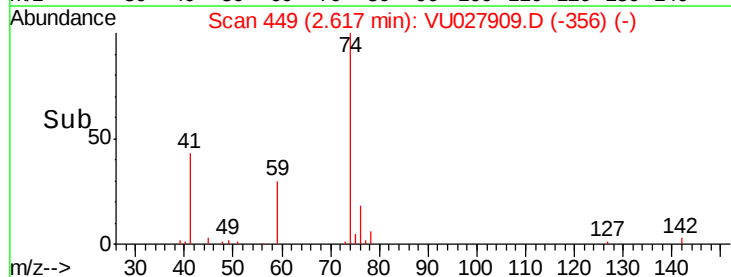
150000

100000

50000

0

Time-->





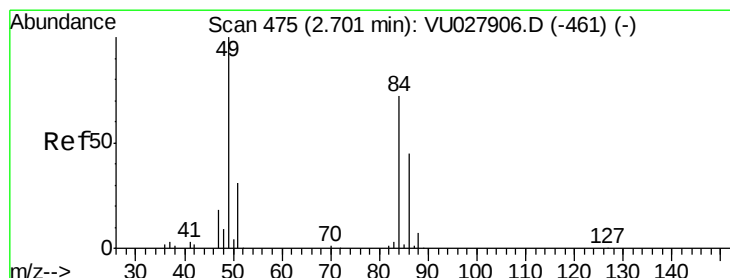
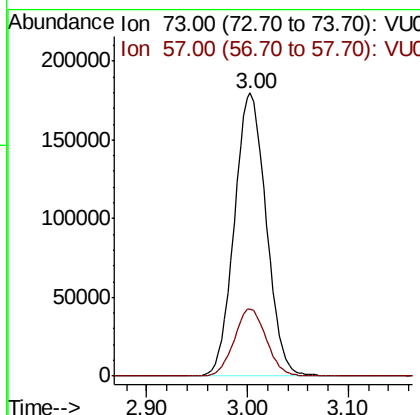
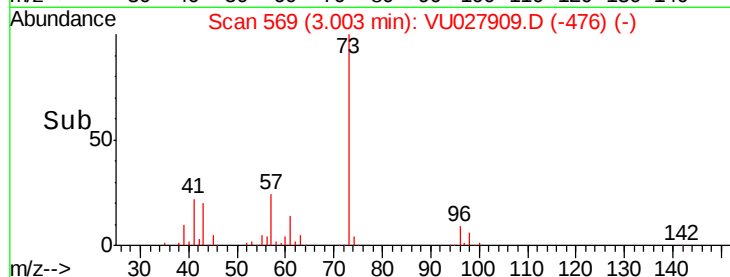
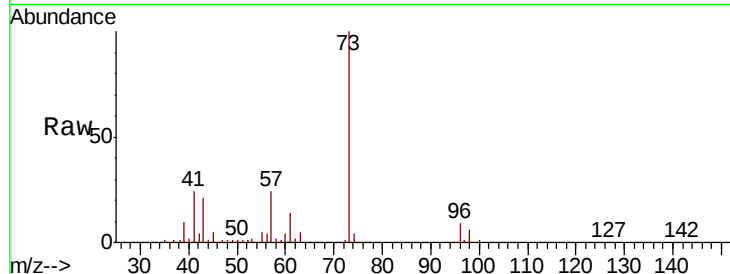
#19
Methvl tert-butvl Ether
Concen: 49.462 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.3	28.9

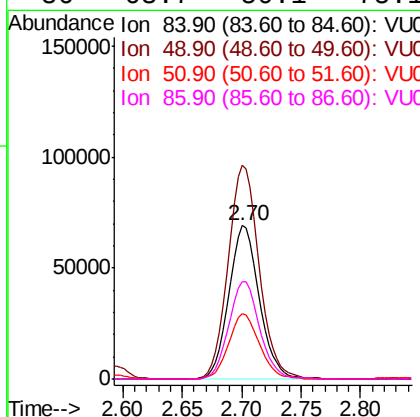
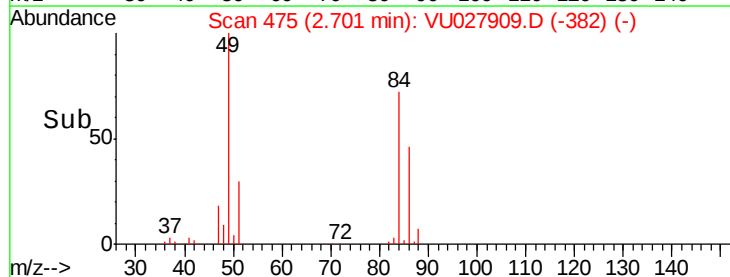
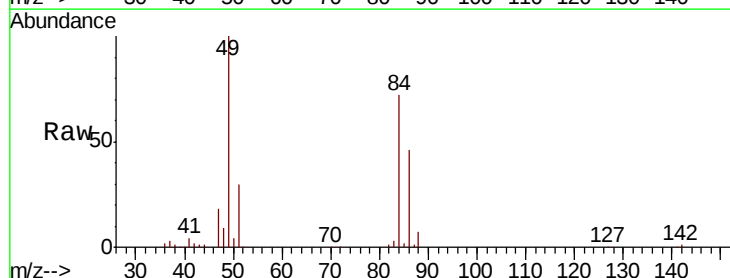
Manual Integrations
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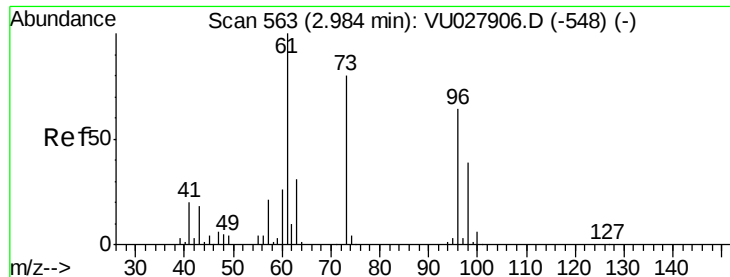
MMDadoda
11/2/2018 9:00:26 AM



#20
Methylene Chloride
Concen: 48.620 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.1	111.6	167.4
51	42.2	34.8	52.2
86	63.7	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 48.595 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

MSVOA_U

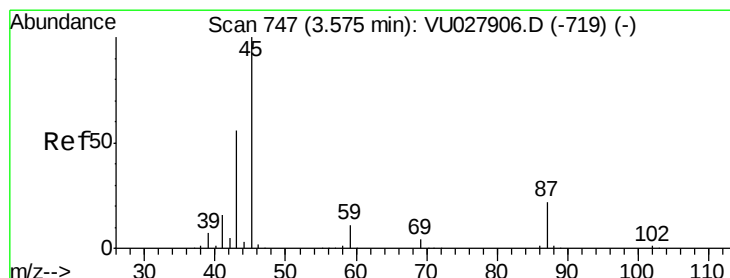
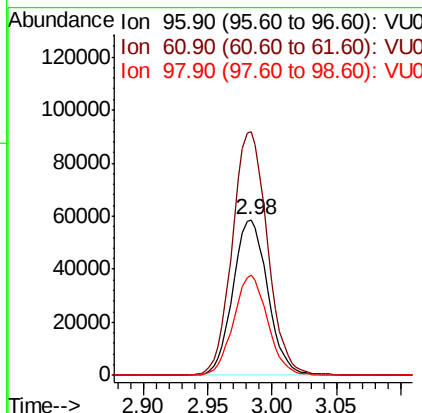
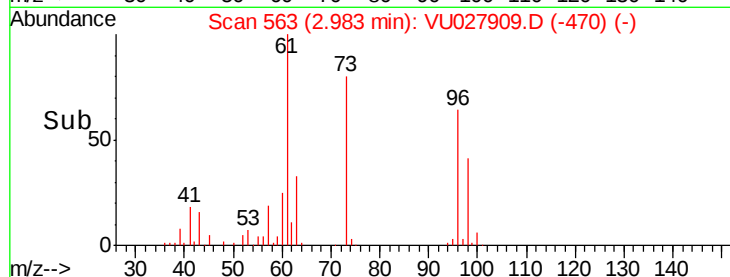
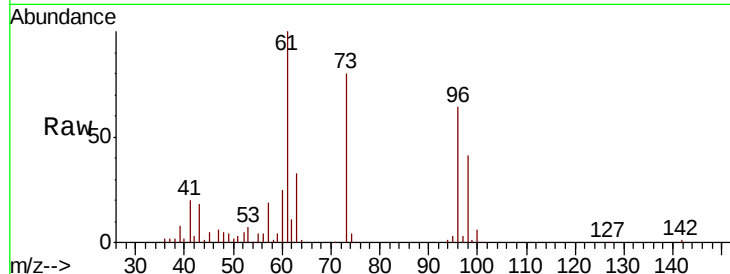
ClientSampleId :

ICVVU110218

Tot Ion:	96	Resp:	110607
Ion	Ratio	Lower	Upper
96	100		
61	156.3	125.0	187.6
98	64.0	48.2	72.4

Manual Integrations
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11/2/2018 9:00:26 AM



#22

Diisopropyl ether

Concen: 48.818 ug/l

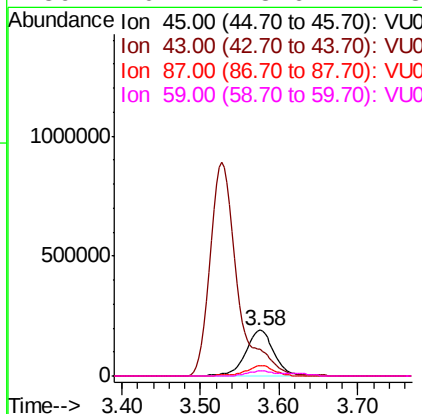
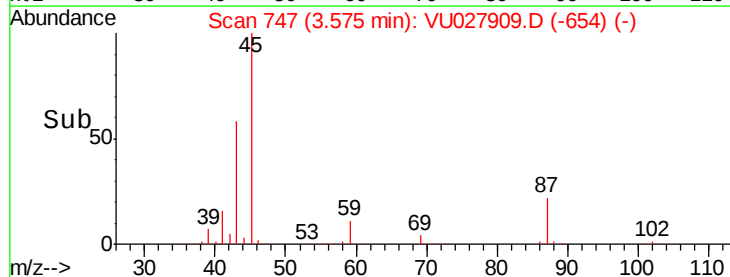
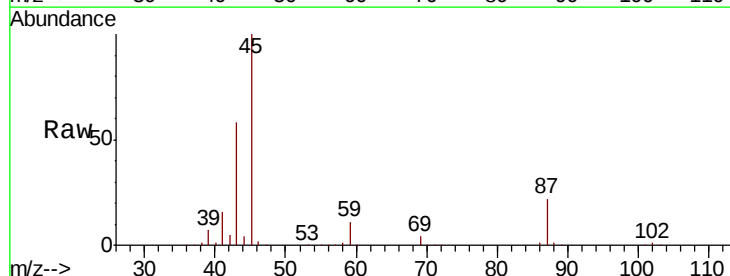
RT: 3.58 min Scan# 747

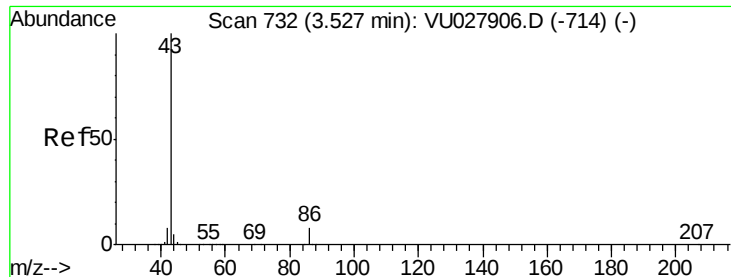
Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Tgt Ion:	45	Resp:	485825
Ion	Ratio	Lower	Upper
45	100		
43	56.6	45.0	67.6
87	22.2	17.9	26.9
59	10.7	8.6	12.8





#23

Vinyl Acetate

Concen: 249.758 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

ICVVU110218

Tot Ion: 43 Resp: 2136121

Ion Ratio Lower Upper

43 100

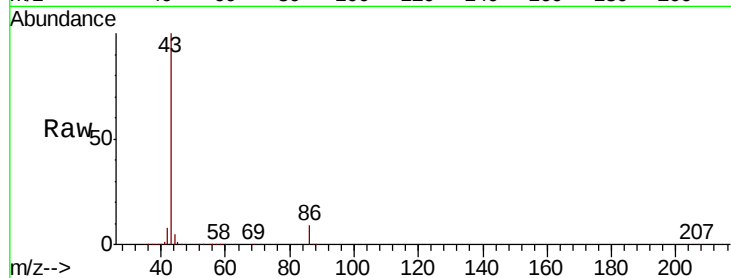
86 8.6 6.6 9.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027909.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027909.D (-639) (-)

3.53

800000

600000

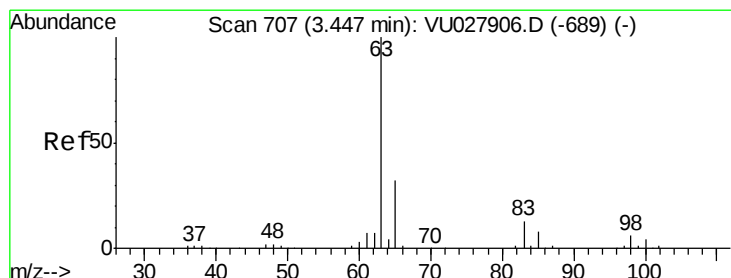
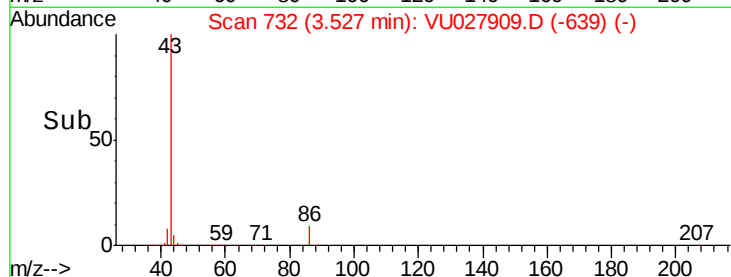
400000

200000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 48.138 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

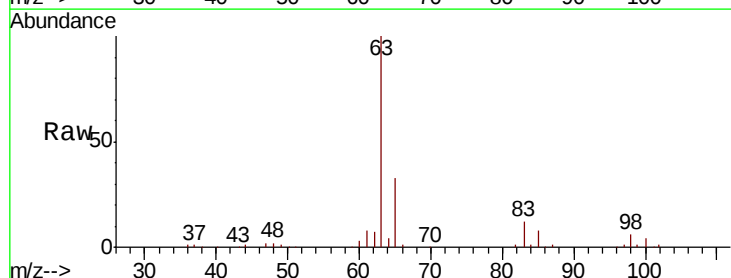
Tgt Ion: 63 Resp: 238618

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.6

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027909.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027909.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027909.D (-614) (-)

3.45

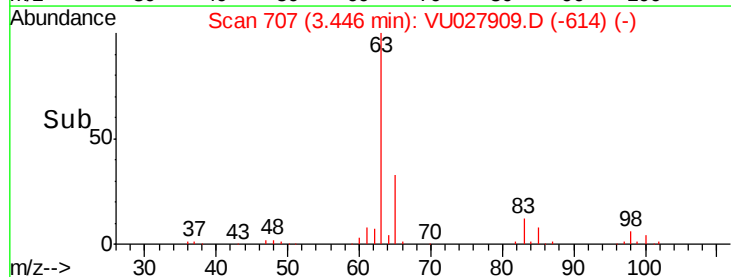
100000

50000

0

Time-->

3.40 3.50





#25

2-Butanone

Concen: 245.013 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

ICVVU110218

Tot Ion: 43 Resp: 676631

Ion Ratio Lower Upper

43 100

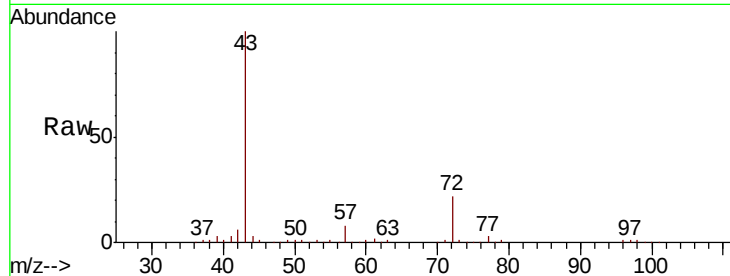
72 22.4 17.7 26.5

Manual Integrations

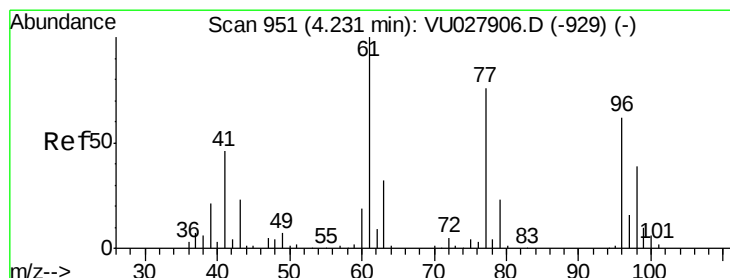
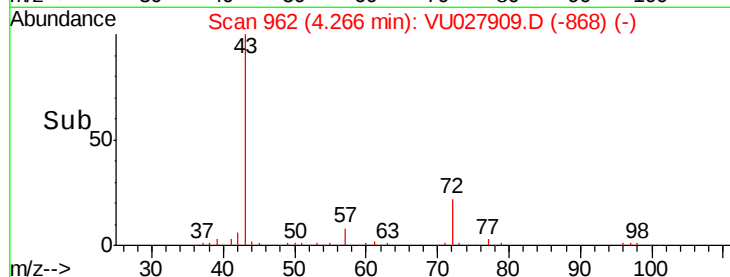
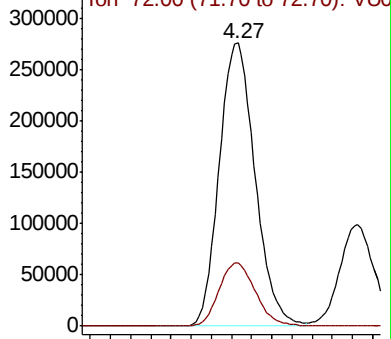
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11/2/2018 9:00:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-934) (-)



#26

2,2-Dichloropropane

Concen: 47.106 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027909.D

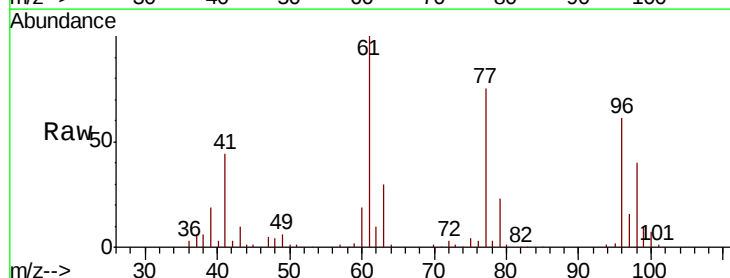
Acq: 01 Nov 2018 20:45

Tgt Ion: 77 Resp: 175230

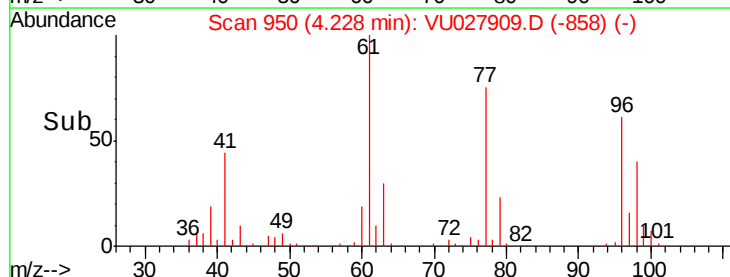
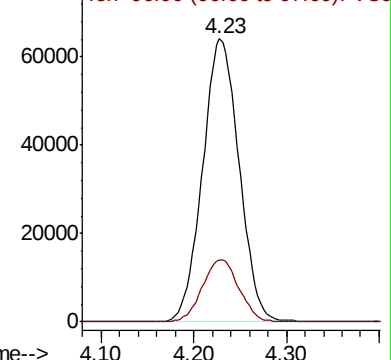
Ion Ratio Lower Upper

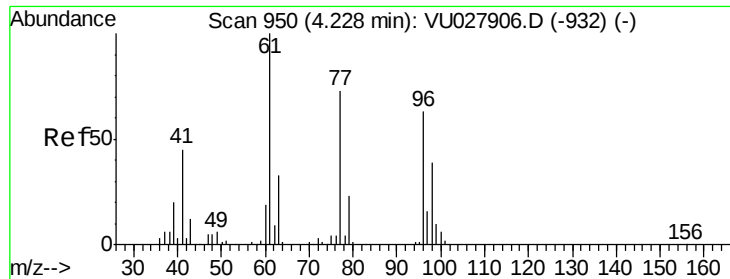
77 100

97 21.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU027906.D (-929) (-)





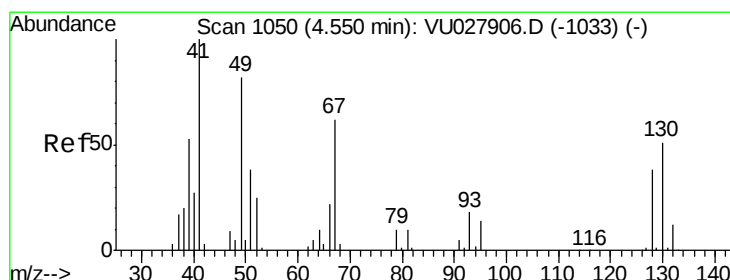
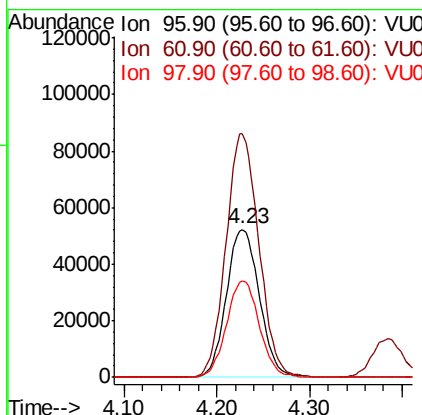
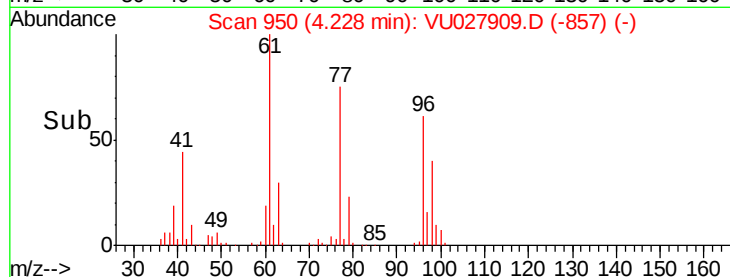
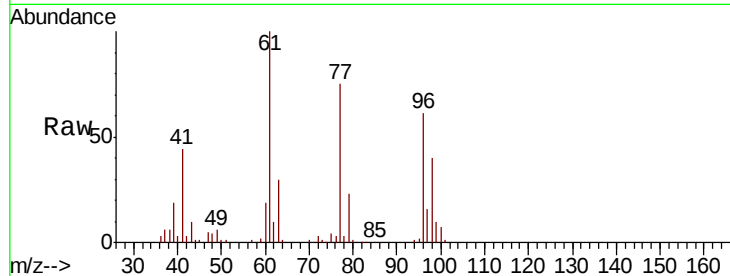
#27
 cis-1,2-Dichloroethene
 Concen: 50.549 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU110218

Tot Ion	Ratio	Resp	Lower	Upper
96	100	129021		
61	164.1	0.0	329.6	
98	65.0	0.0	127.2	

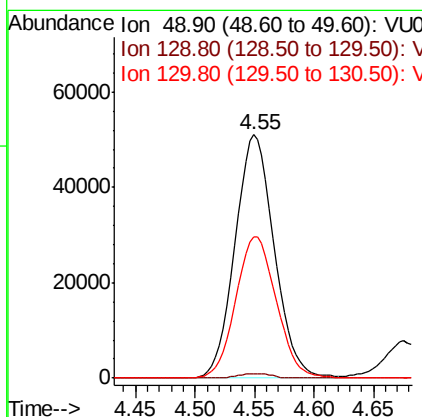
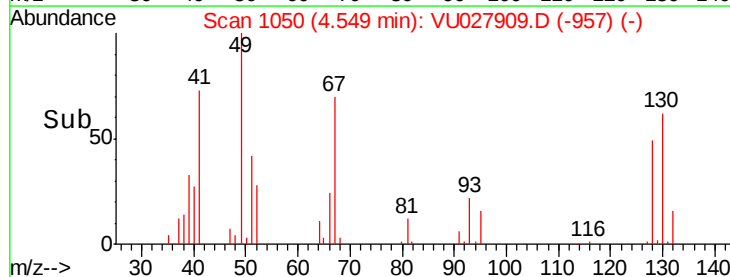
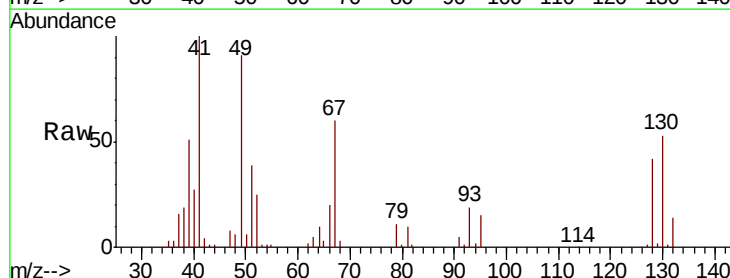
Manual Integrations
 APPROVED

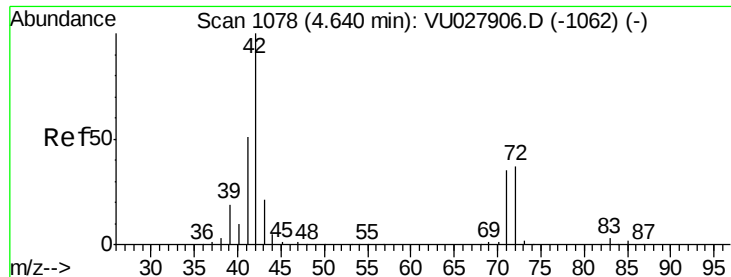
MMDadoda
 11/2/2018 9:00:26 AM



#28
 Bromochloromethane
 Concen: 50.274 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	116828		
129	1.6	0.0	3.0	
130	60.0	47.8	71.6	





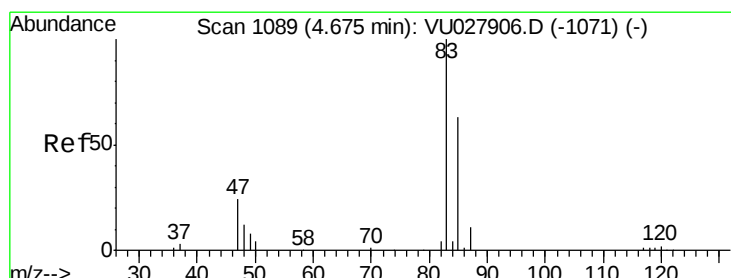
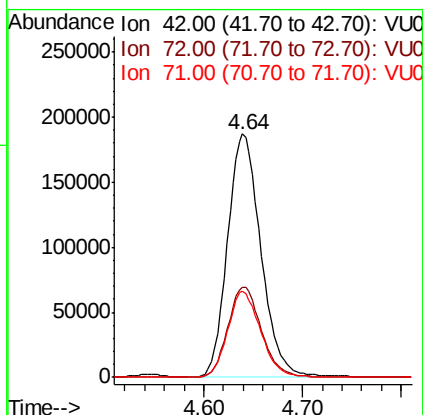
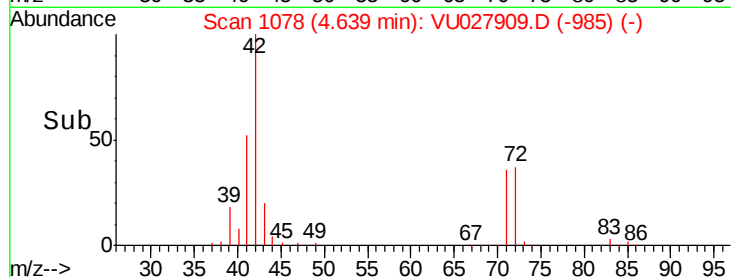
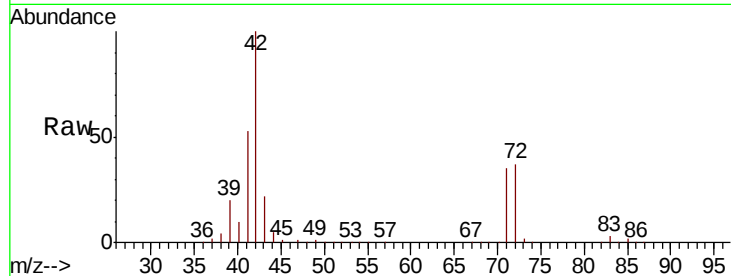
#29
Tetrahydrofuran
Concen: 238.053 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	29.4	44.0
71	35.1	27.9	41.9

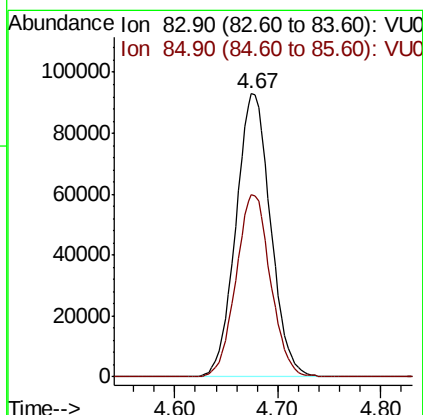
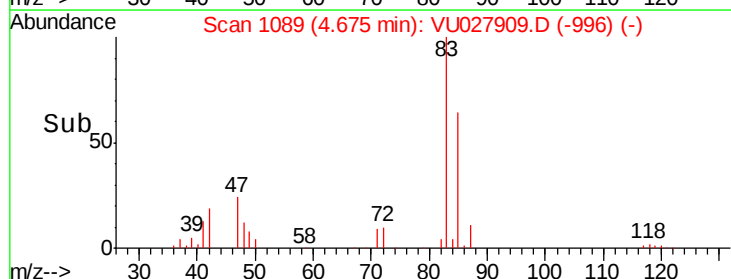
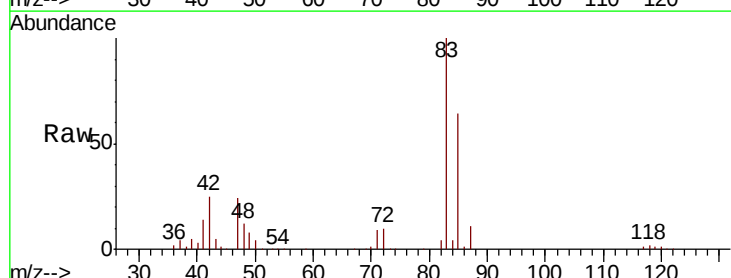
Manual Integrations
APPROVED

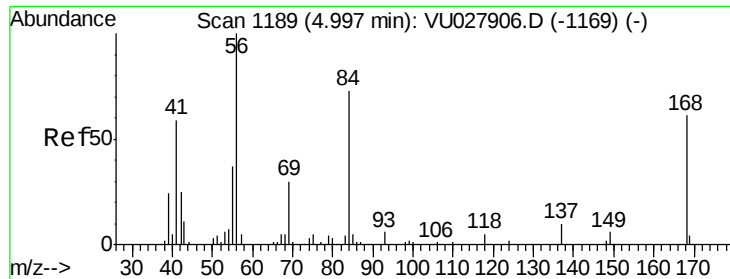
MMDadoda
11/2/2018 9:00:26 AM



#30
Chloroform
Concen: 47.844 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	76.0





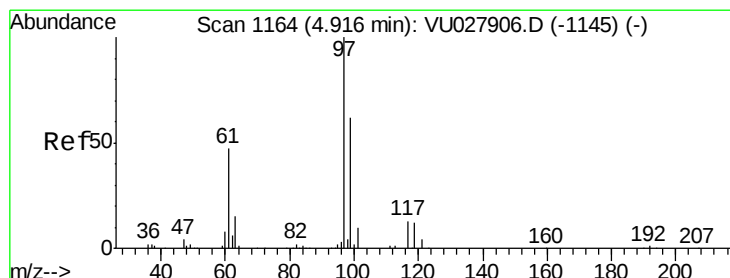
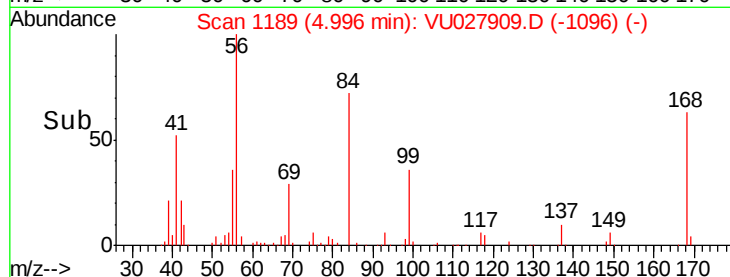
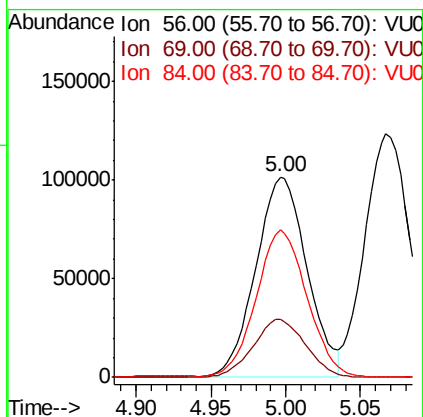
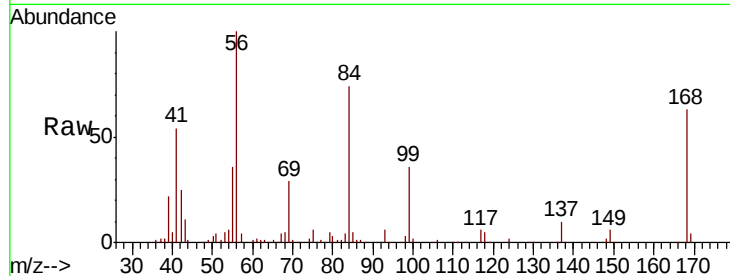
#31
Cyclohexane
Concen: 49.811 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.7	35.5
84	72.9	58.2	87.4

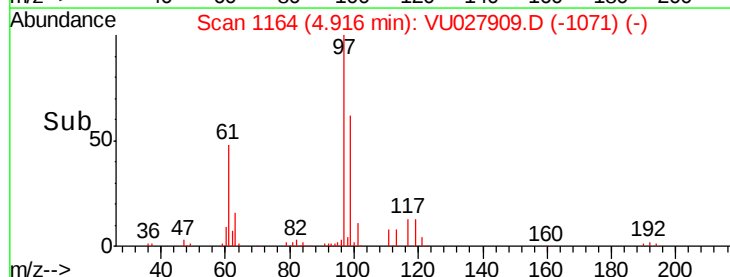
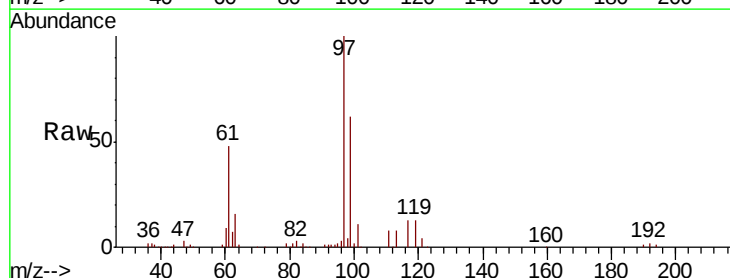
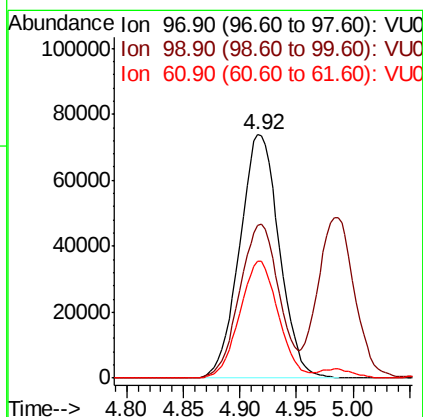
Manual Integrations
APPROVED

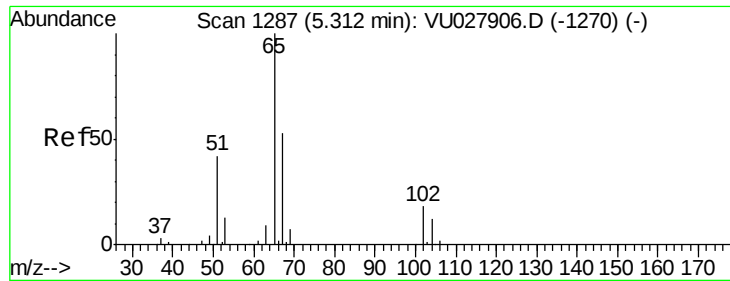
MMDadoda
11/2/2018 9:00:26 AM



#32
1,1,1-Trichloroethane
Concen: 49.743 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.5	75.7
61	47.1	38.3	57.5





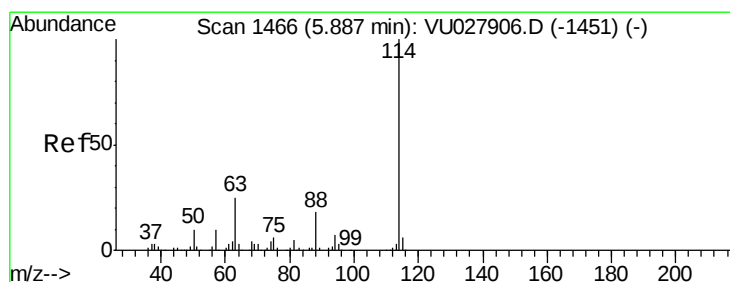
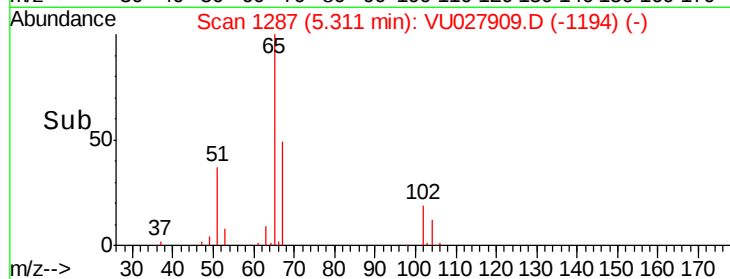
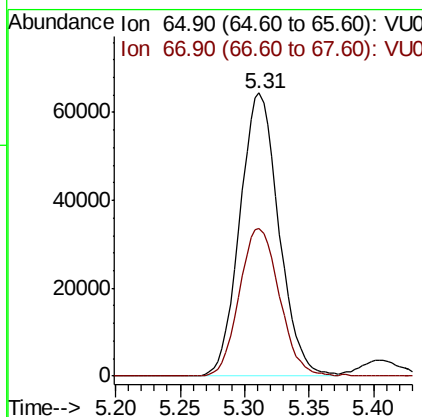
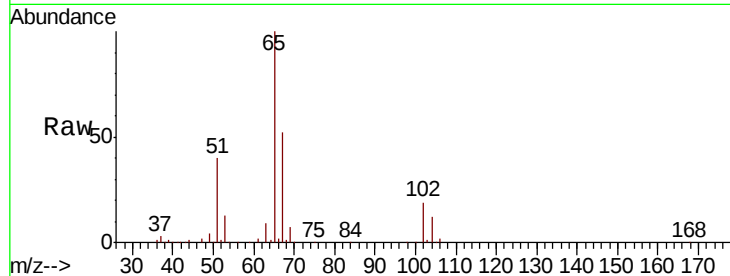
#33
 1,2-Dichloroethane-d4
 Concen: 48.566 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU110218

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	109.0

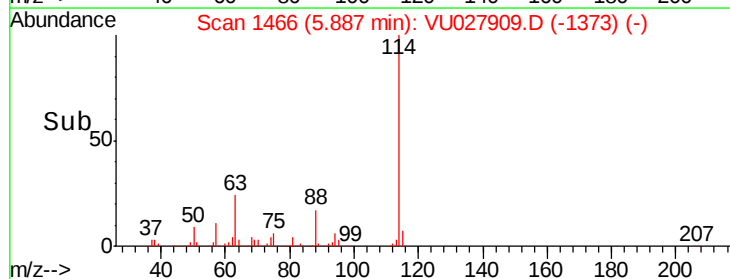
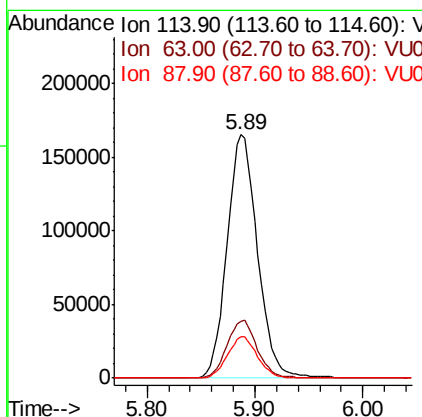
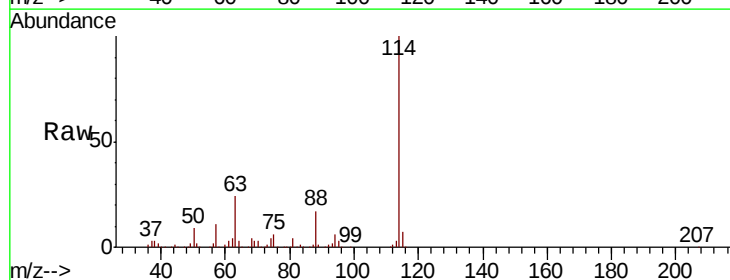
Manual Integrations
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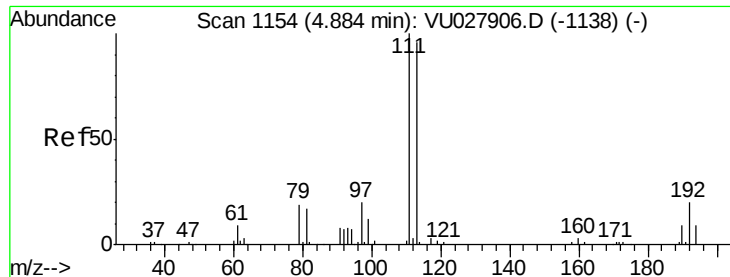
MMDadoda
 11/2/2018 9:00:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	50.8
88	16.9	0.0	35.8





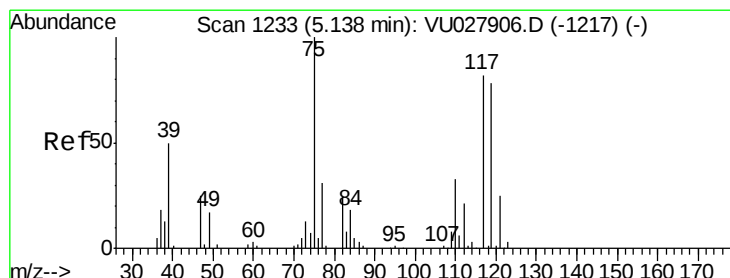
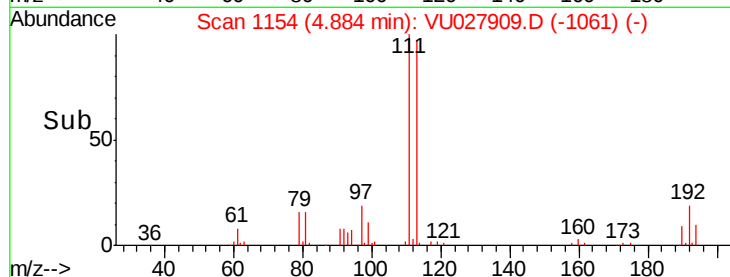
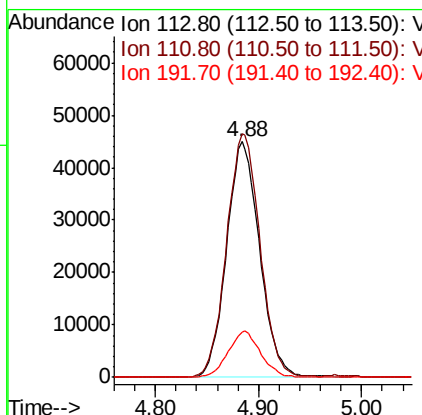
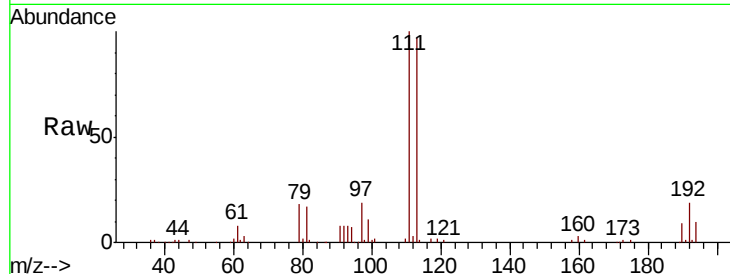
#35
 Dibromofluoromethane
 Concen: 49.143 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU110218

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100737		
111	103.9	83.0	124.6	
192	19.1	15.6	23.4	

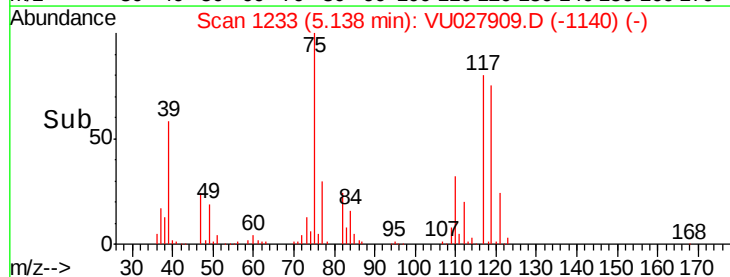
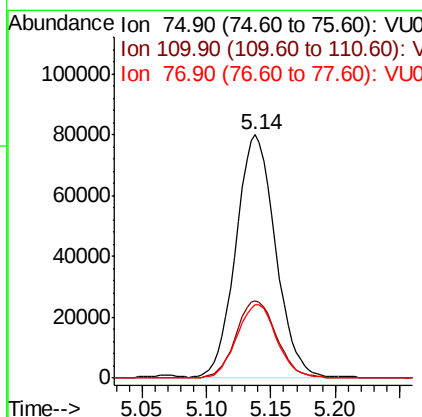
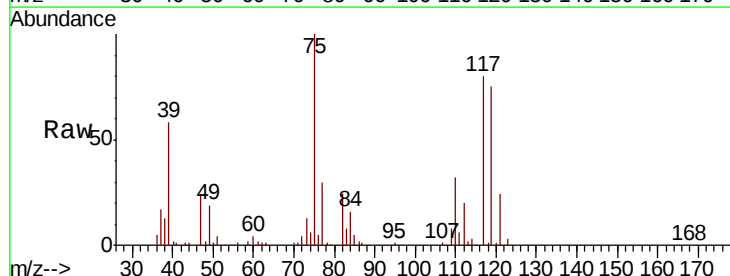
Manual Integrations
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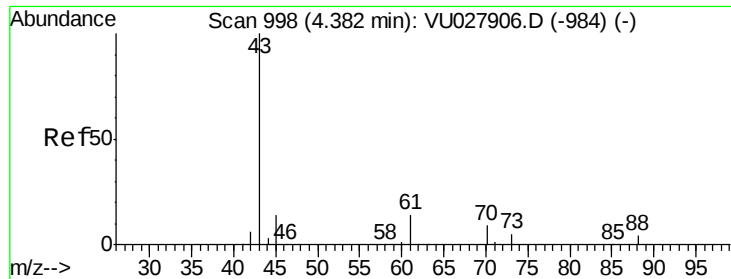
MMDadoda
 11/2/2018 9:00:26 AM



#36
 1,1-Dichloropropene
 Concen: 49.758 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	169424		
110	33.1	16.5	49.5	
77	30.4	24.9	37.3	





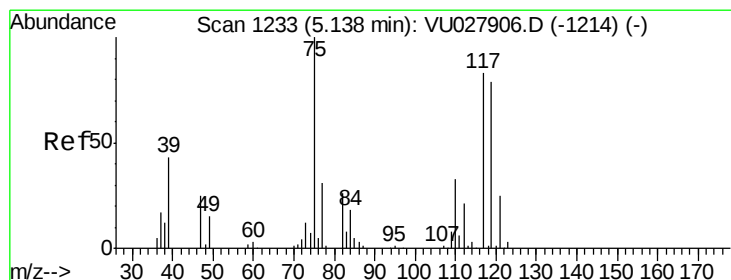
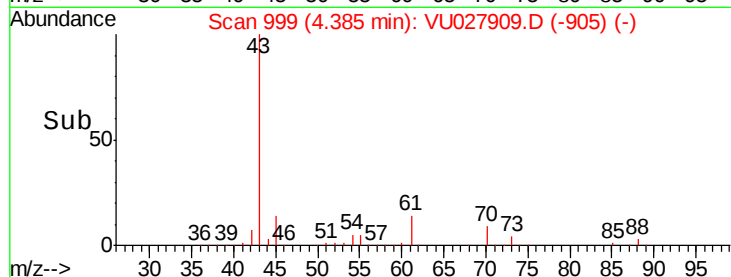
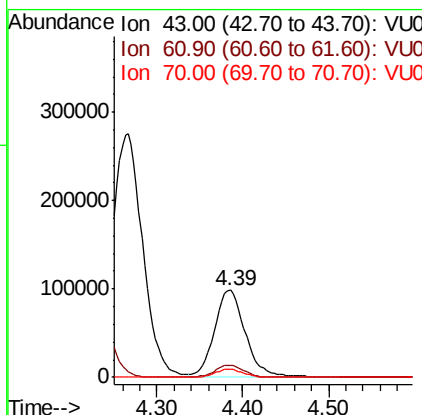
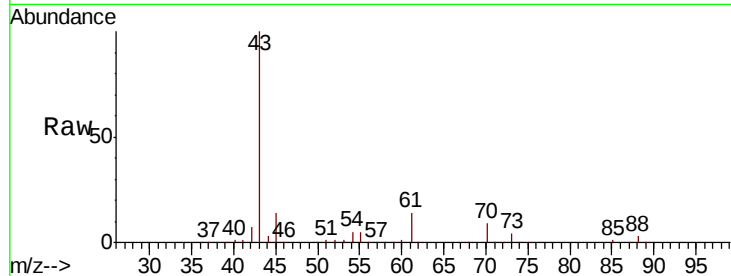
#37
Ethyl Acetate
Concen: 48.692 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.3	15.5
70	8.8	7.0	10.6

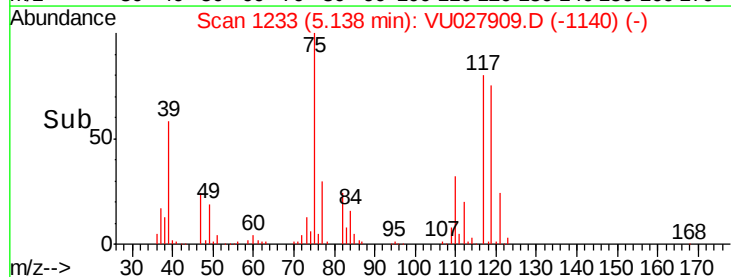
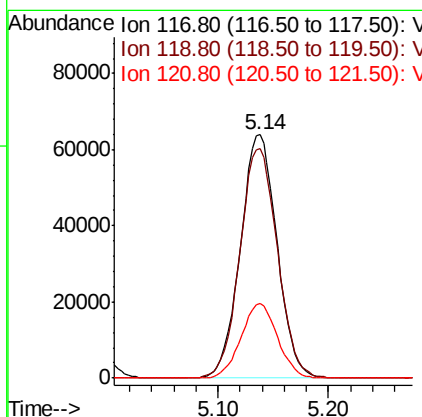
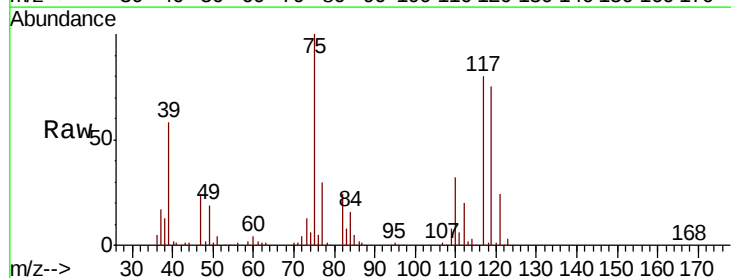
Manual Integrations
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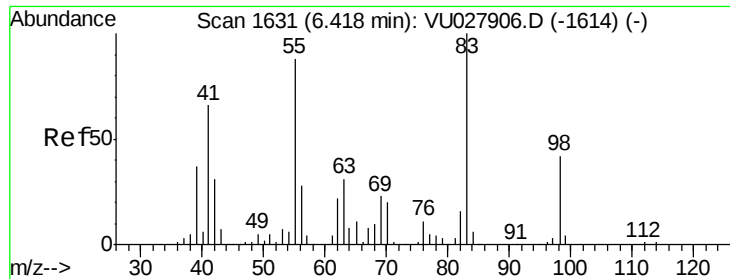
MMDadoda
11/2/2018 9:00:26 AM



#38
Carbon Tetrachloride
Concen: 48.767 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.0	114.0
121	30.6	24.5	36.7





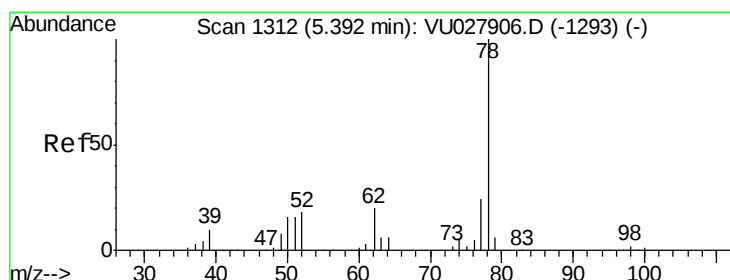
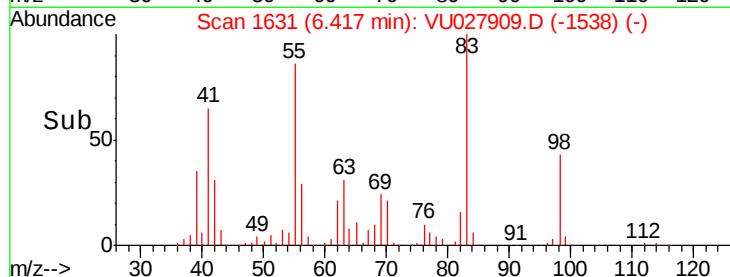
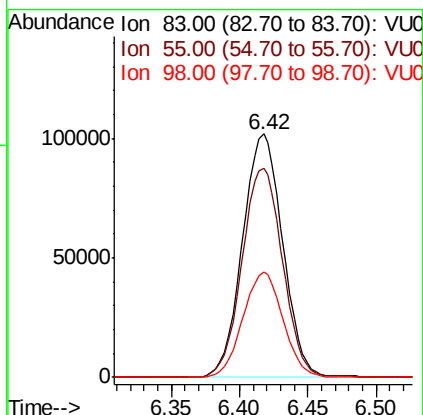
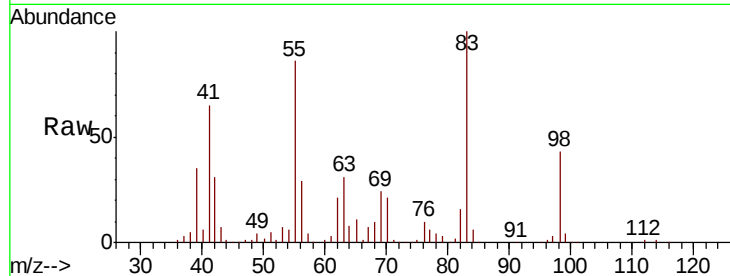
#39
Methylvlcvclohexane
Concen: 50.613 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.0	70.3	105.5
98	43.3	34.0	51.0

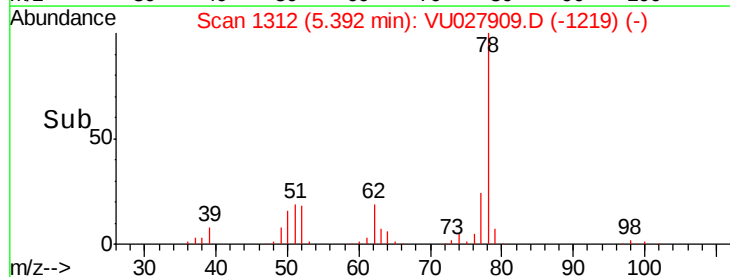
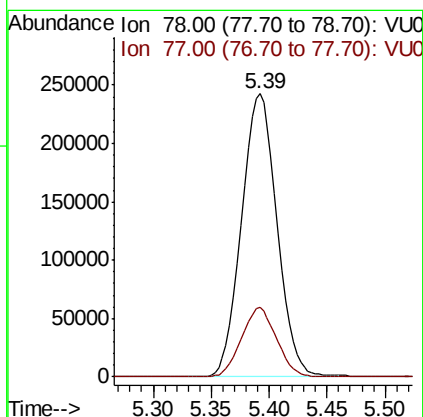
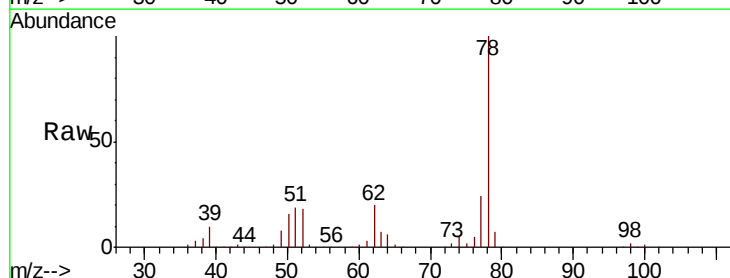
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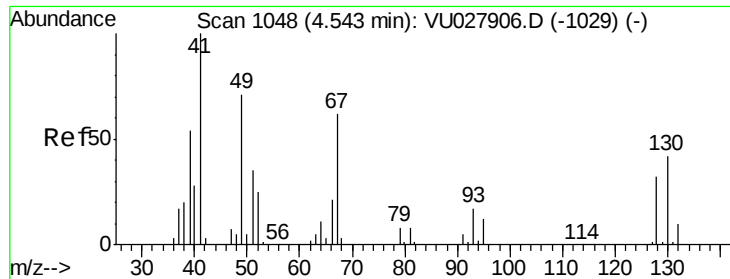
MMDadoda
11/2/2018 9:00:26 AM



#40
Benzene
Concen: 49.675 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.3	28.9





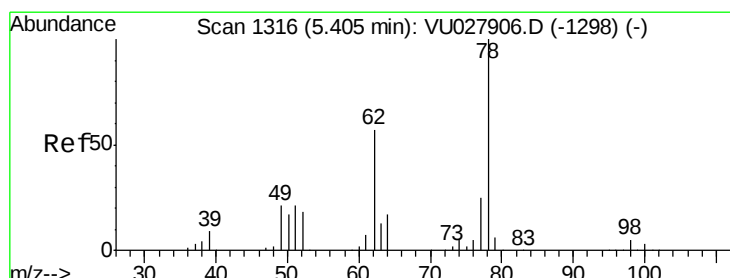
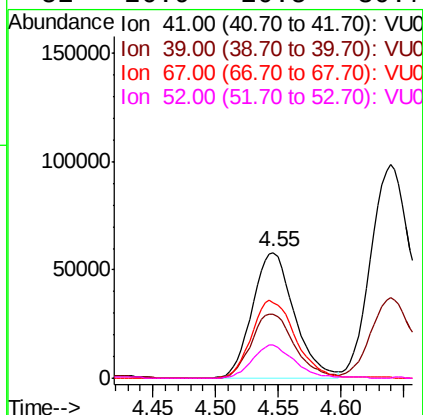
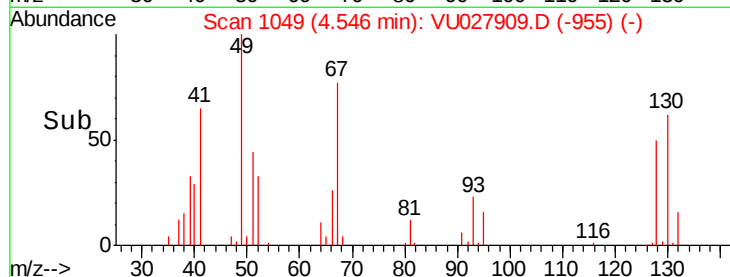
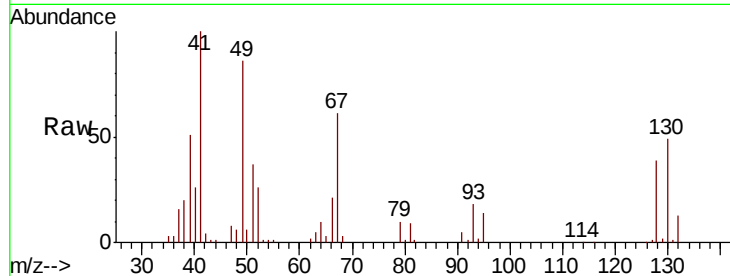
#41
Methacrylonitrile
Concen: 50.598 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	42.2	63.4	
67	65.5	49.5	74.3	
52	26.9	20.5	30.7	

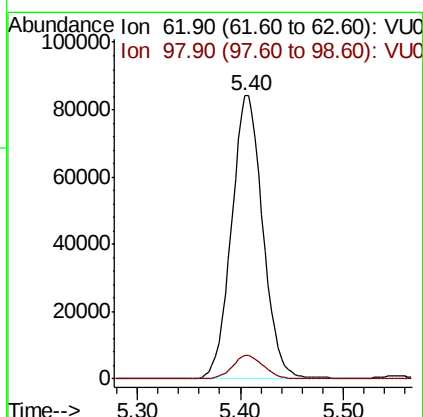
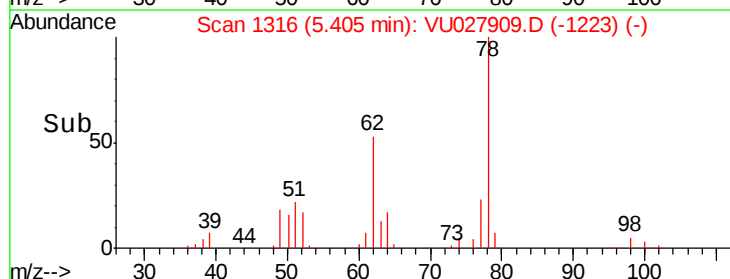
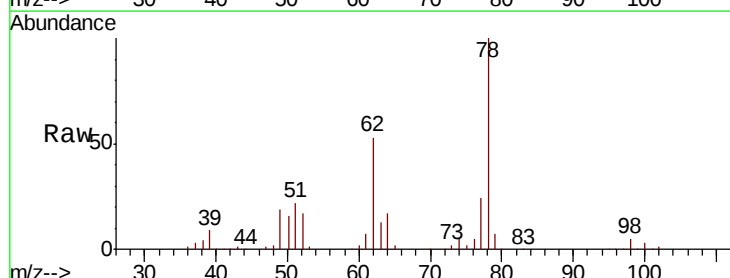
Manual Integrations
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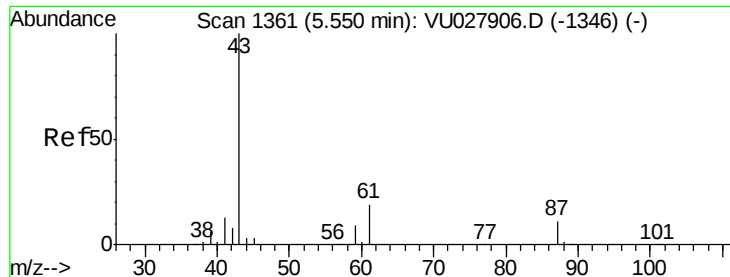
MMDadoda
11/2/2018 9:00:26 AM



#42
1,2-Dichloroethane
Concen: 48.074 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	17.2	





#43

Isopropyl Acetate

Concen: 49.125 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

MSVOA_U

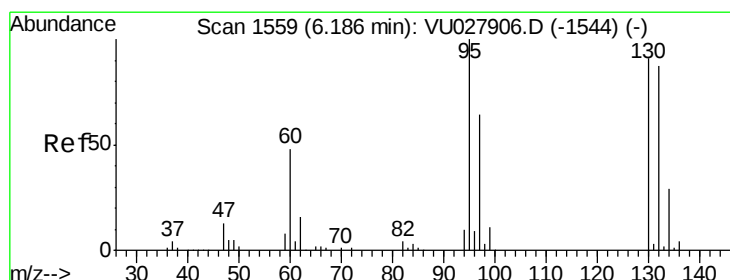
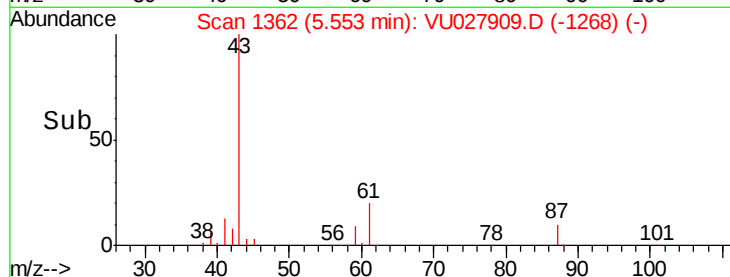
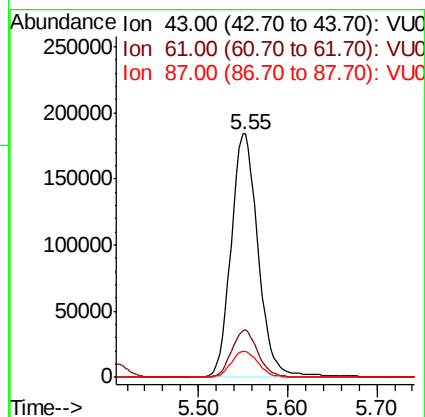
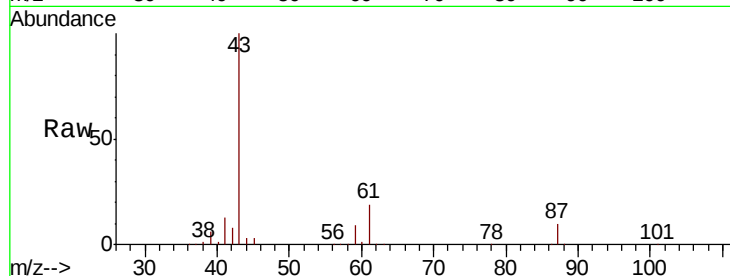
ClientSampleId :

ICVVU110218

Tot Ion:	43	Resp:	383982
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.0	22.4
87	10.8	8.6	12.8

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#44

Trichloroethene

Concen: 50.509 ug/l

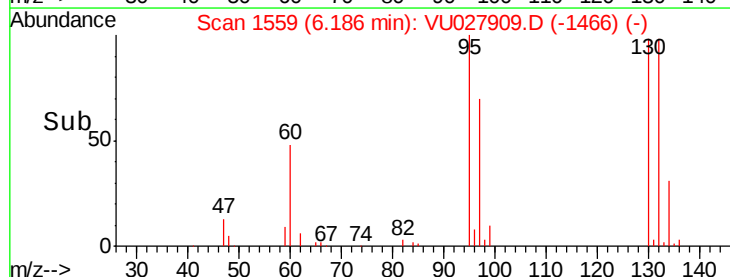
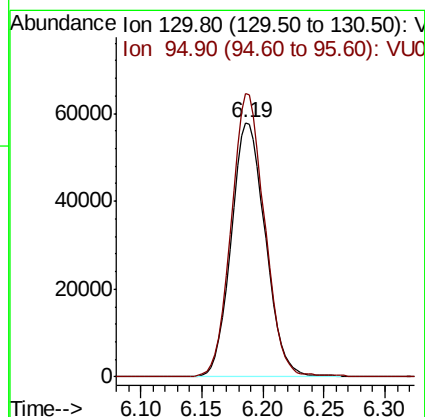
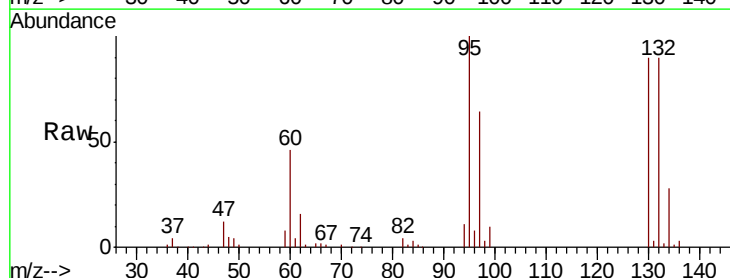
RT: 6.19 min Scan# 1559

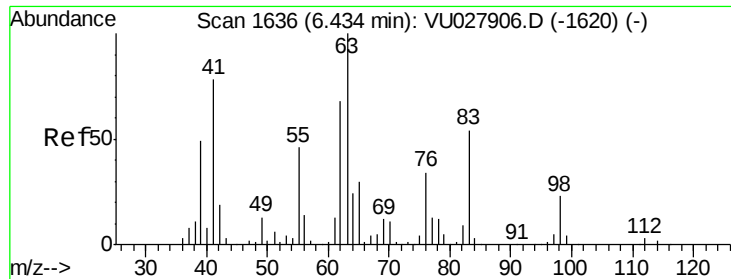
Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Tgt Ion:	130	Resp:	113025
Ion	Ratio	Lower	Upper
130	100		
95	111.4	0.0	219.2





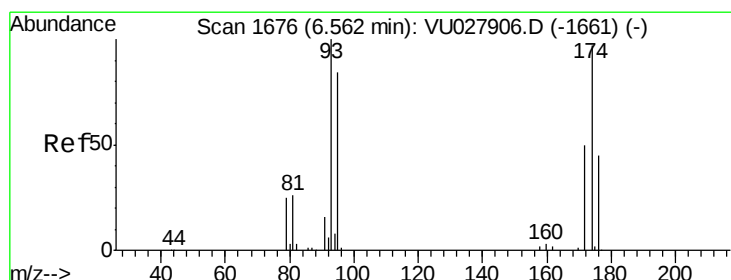
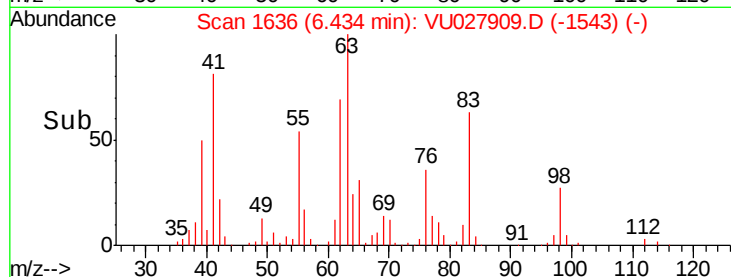
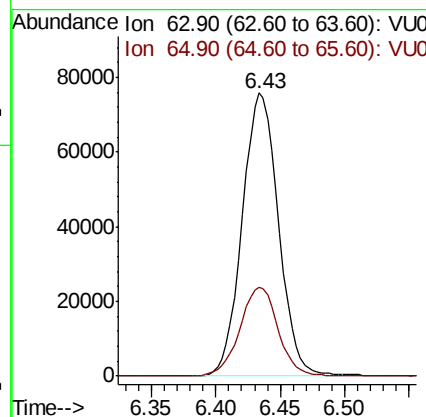
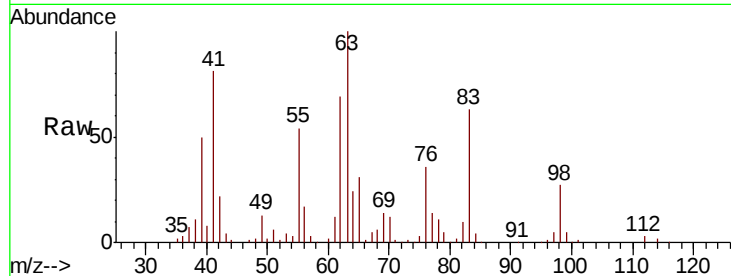
#45
 1,2-Dichloropropane
 Concen: 49.414 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU110218

Tot Ion: 63 Resp: 148356
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.4 36.6

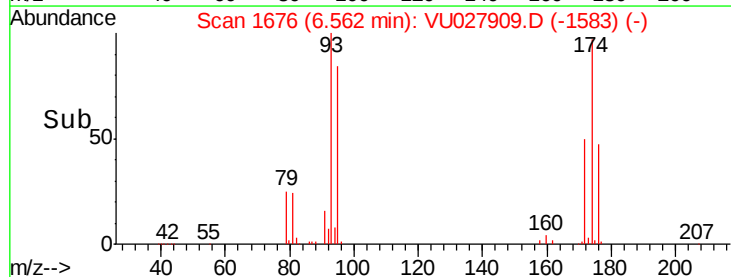
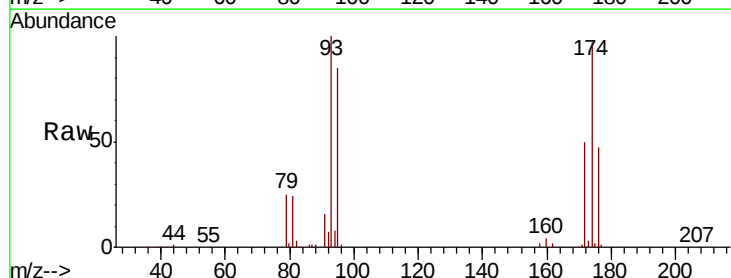
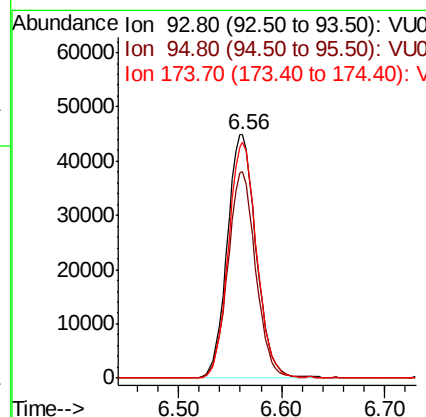
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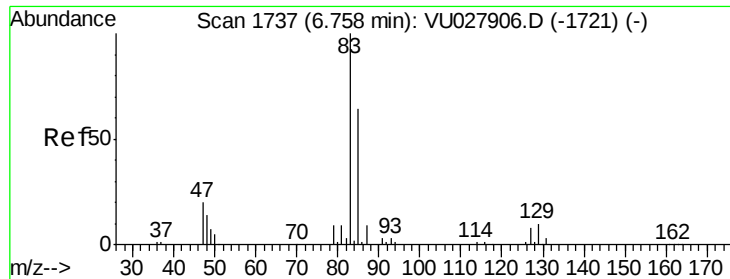
MMDadoda
 11/2/2018 9:00:26 AM



#46
 Dibromomethane
 Concen: 50.786 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Tgt Ion: 93 Resp: 87642
 Ion Ratio Lower Upper
 93 100
 95 81.7 68.5 102.7
 174 94.1 76.1 114.1





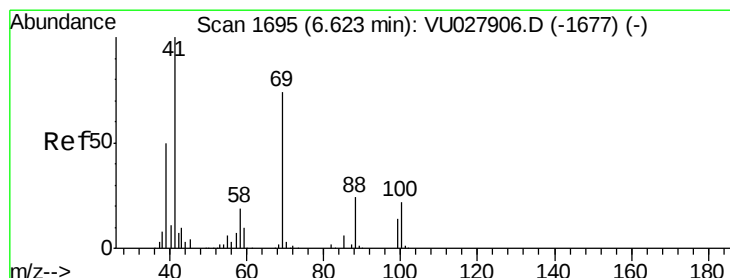
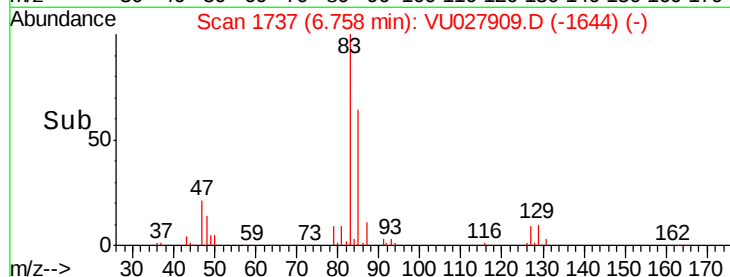
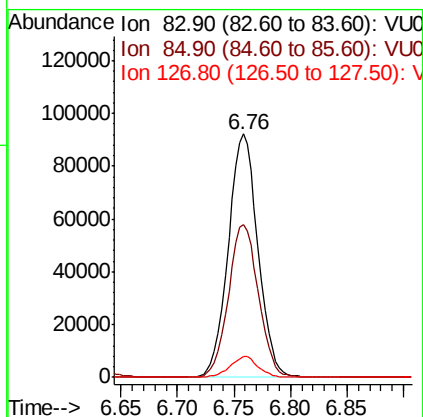
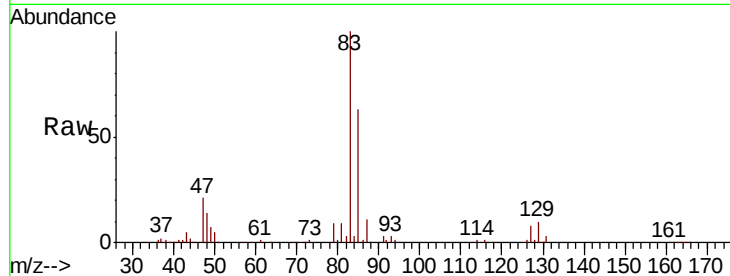
#47
Bromodichloromethane
Concen: 50.448 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion	83	Resp	167773
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	51.0	76.6
127	8.4	6.2	9.4

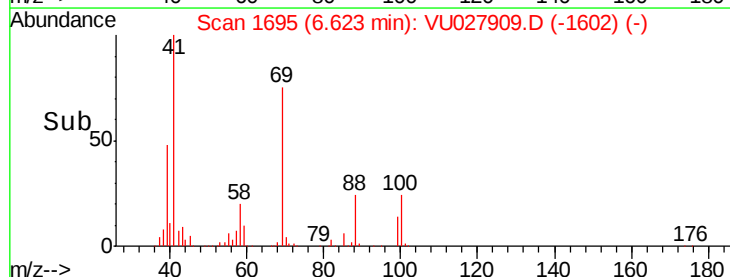
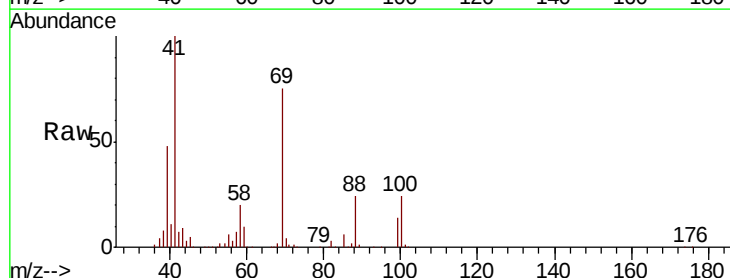
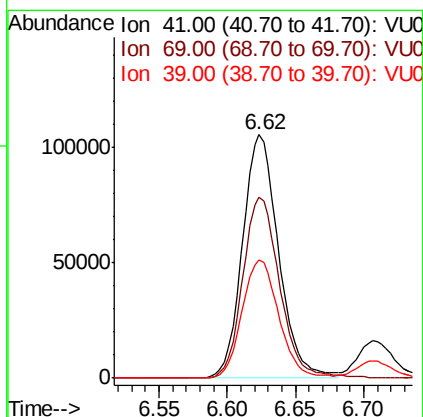
Manual Integrations
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11/2/2018 9:00:26 AM



#48
Methyl methacrylate
Concen: 50.239 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion	41	Resp	192433
Ion Ratio	100	Lower	Upper
41	100		
69	76.4	59.8	89.8
39	49.3	40.0	60.0





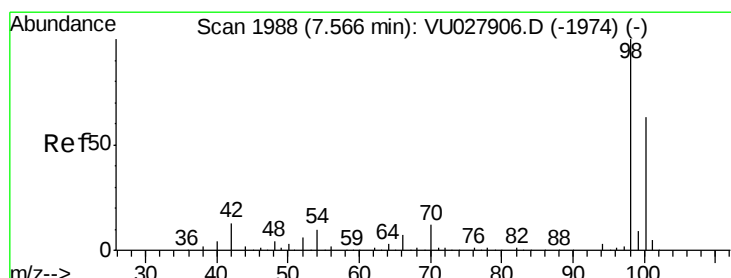
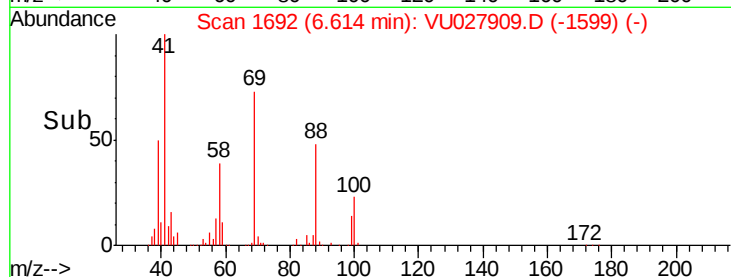
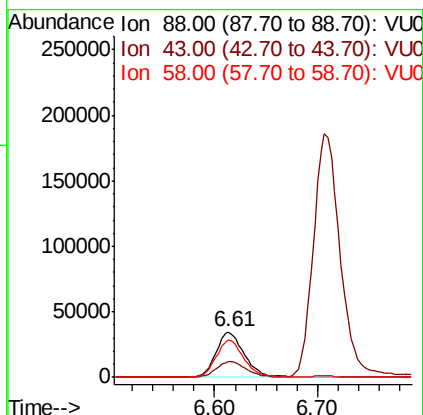
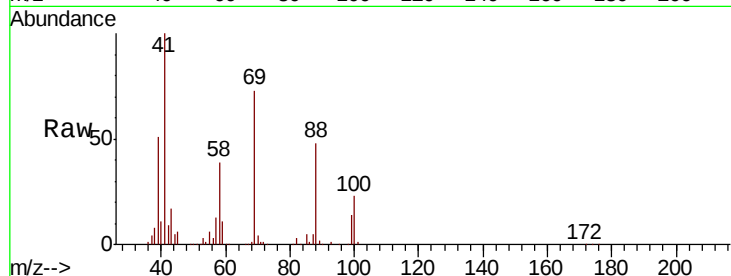
#49
1,4-Dioxane
Concen: 1042.063 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	30.5	45.7
58	82.4	67.1	100.7

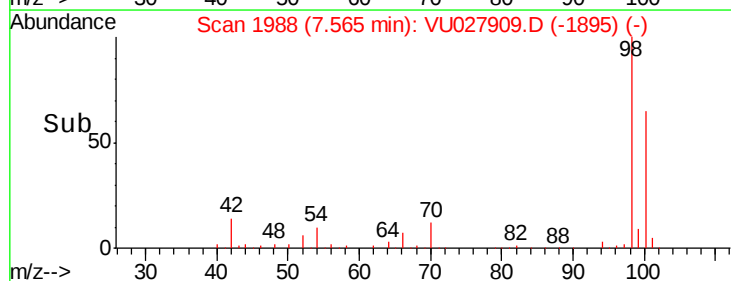
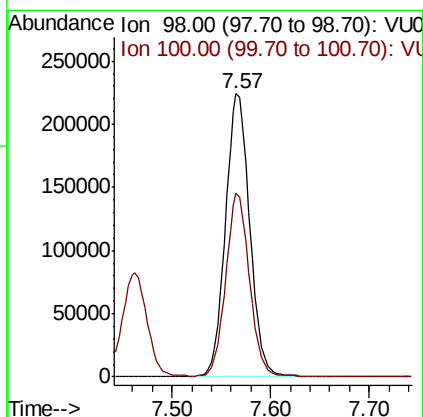
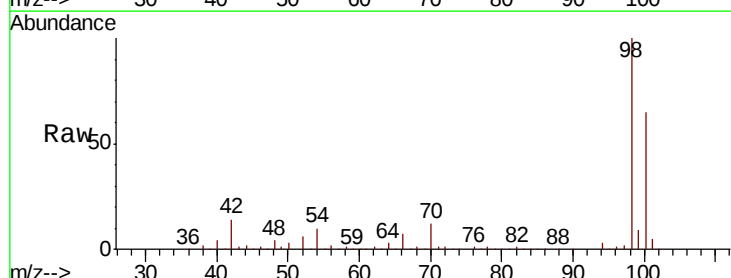
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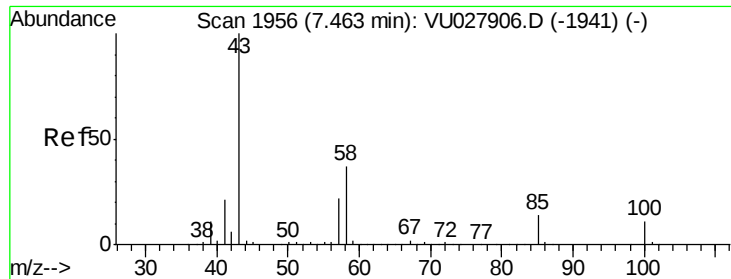
MMDadoda
11/2/2018 9:00:26 AM



#50
Toluene-d8
Concen: 48.883 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.3	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 242.997 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

ICVVU110218

Tot Ion: 43 Resp: 1268451

Ion Ratio Lower Upper

43 100

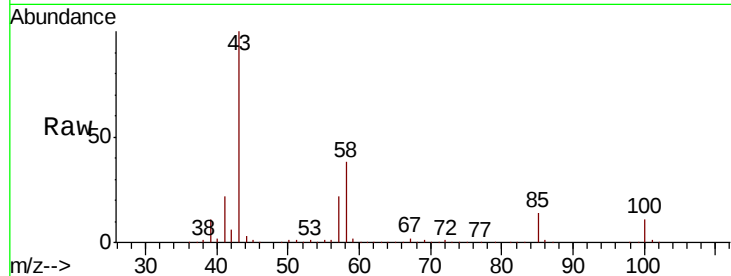
58 37.2 29.5 44.3

Manual Integrations

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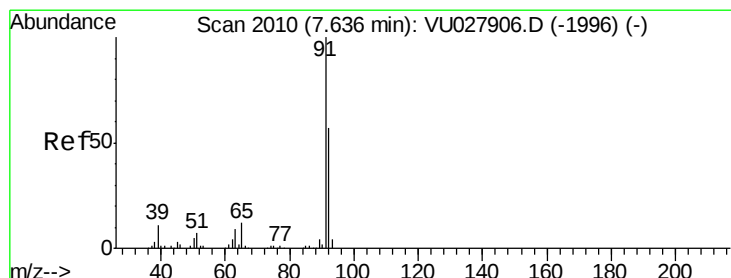
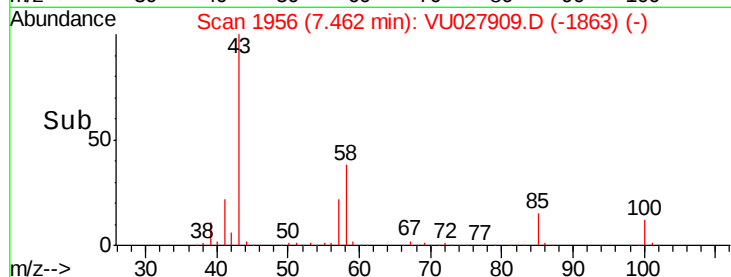
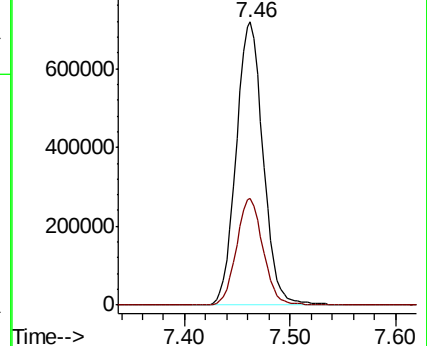
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU027909.D (-1863) (-)

Ion 58.00 (57.70 to 58.70): VU027909.D (-1863) (-)



#52

Toluene

Concen: 50.122 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027909.D

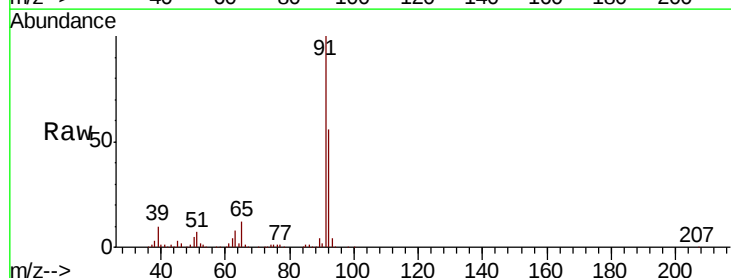
Acq: 01 Nov 2018 20:45

Tgt Ion: 92 Resp: 306753

Ion Ratio Lower Upper

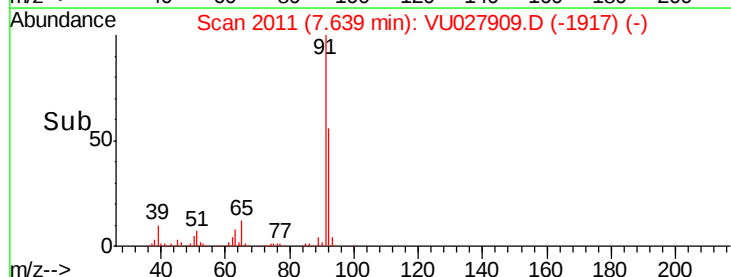
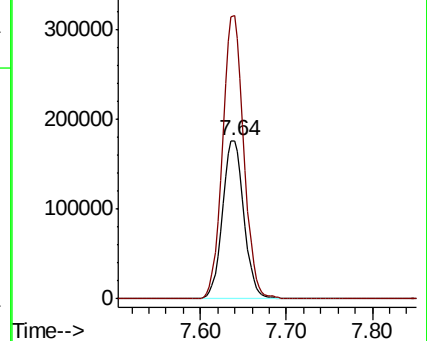
92 100

91 176.3 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027909.D (-1917) (-)

Ion 91.00 (90.70 to 91.70): VU027909.D (-1917) (-)





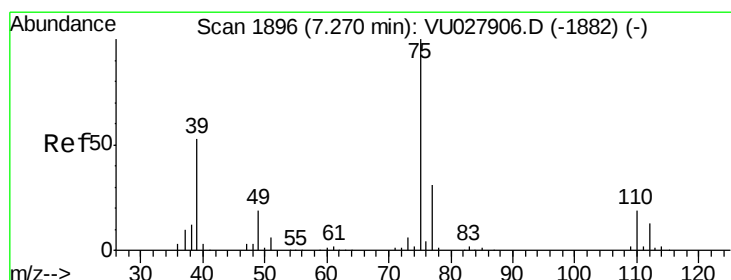
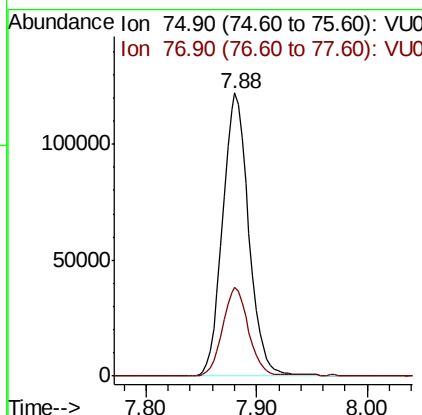
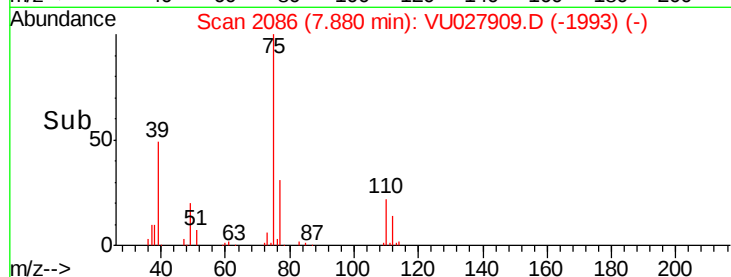
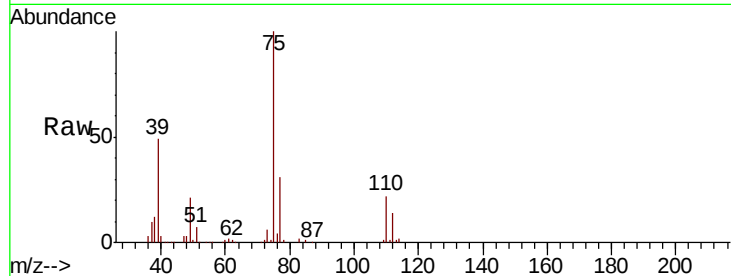
#53
t-1,3-Dichloropropene
Concen: 48.743 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7

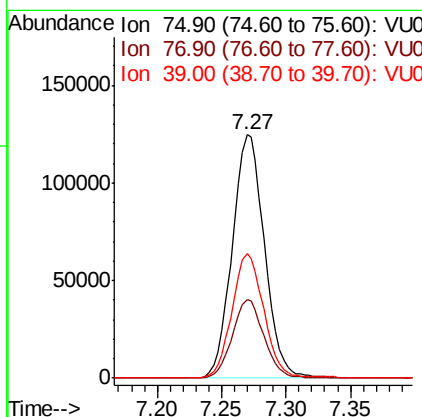
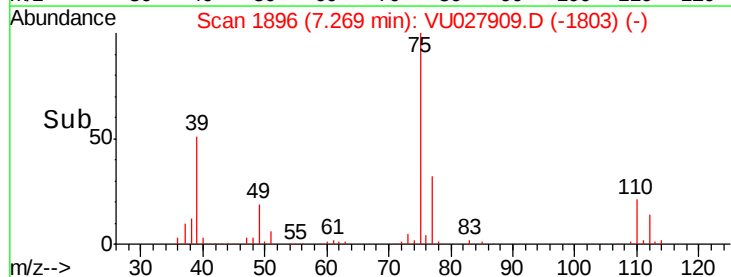
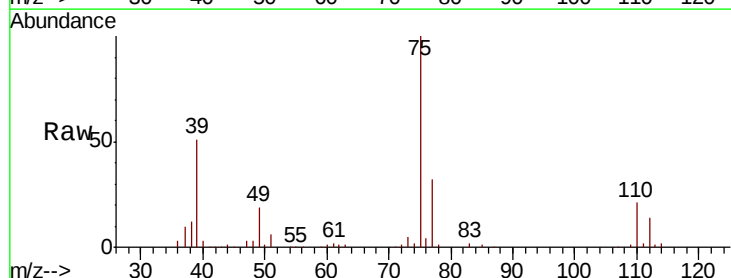
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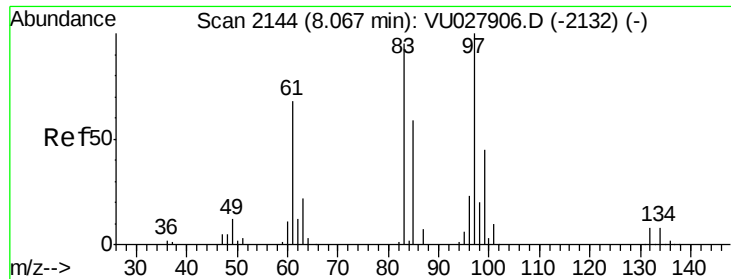
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#54
cis-1,3-Dichloropropene
Concen: 52.704 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.6	37.0
39	51.1	42.6	64.0





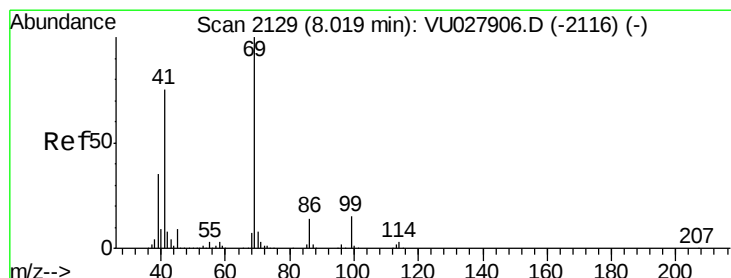
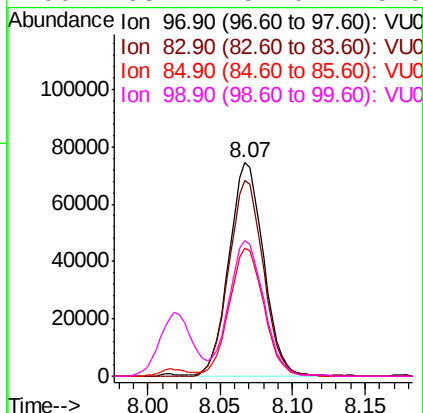
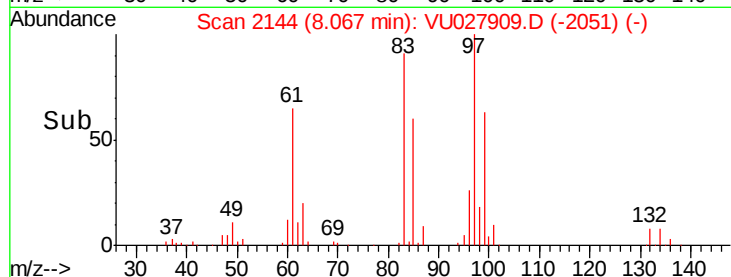
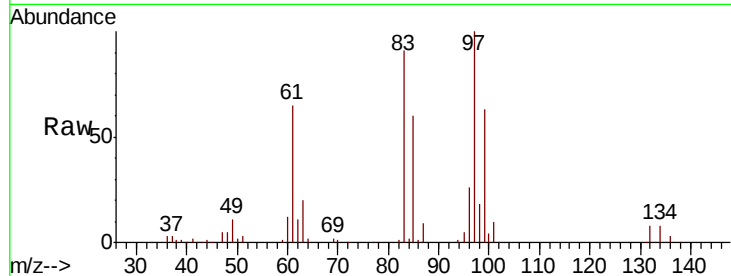
#55
 1,1,2-Trichloroethane
 Concen: 49.281 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU110218

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		122706		
83	91.6	76.1	114.1		
85	59.9	48.9	73.3		
99	63.4	52.0	78.0		

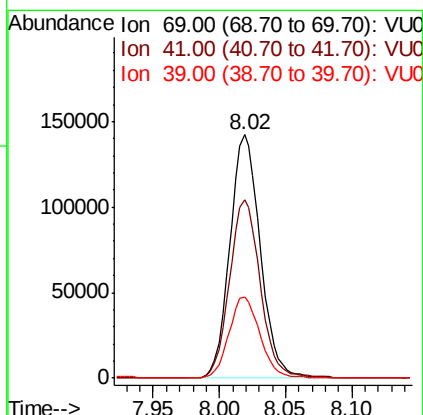
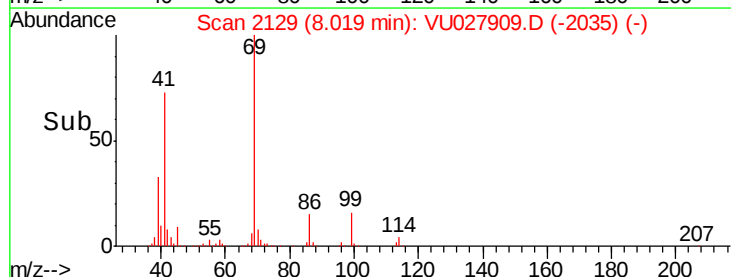
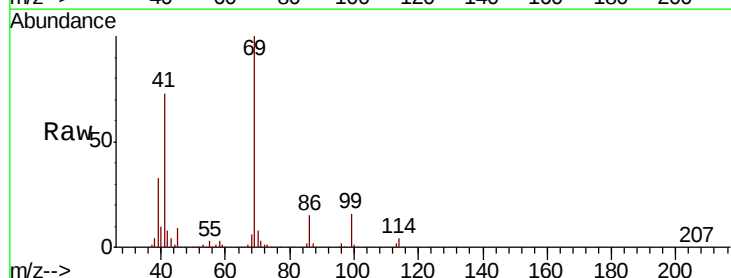
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#56
 Ethyl methacrylate
 Concen: 51.736 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		227172		
41	73.9	59.8	89.6		
39	34.0	28.6	42.8		





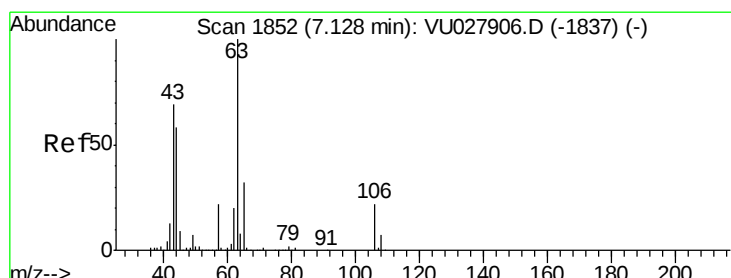
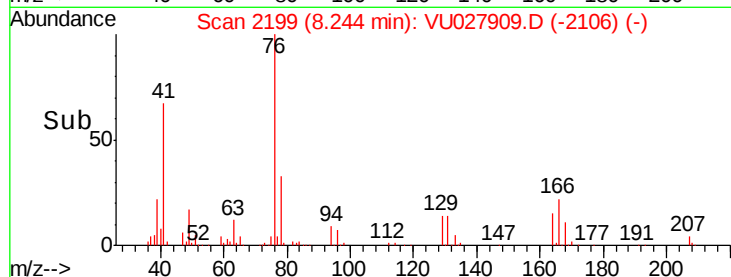
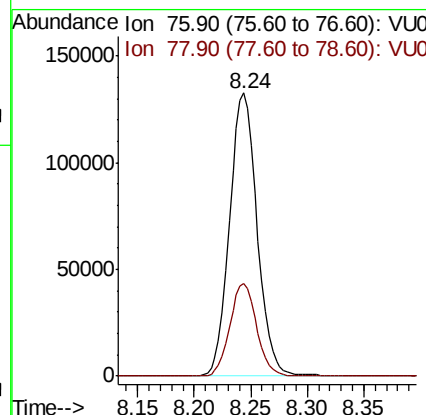
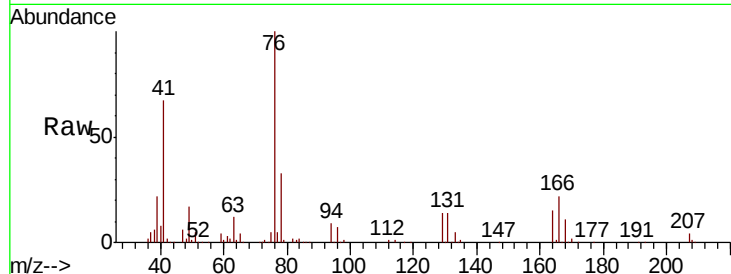
#57
 1,3-Dichloropropane
 Concen: 49.721 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU110218

Tot Ion: 76 Resp: 225517
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.3 37.9

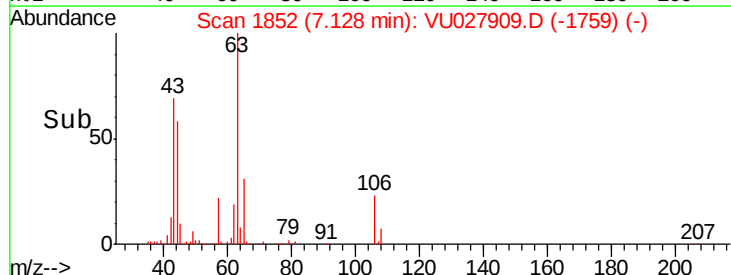
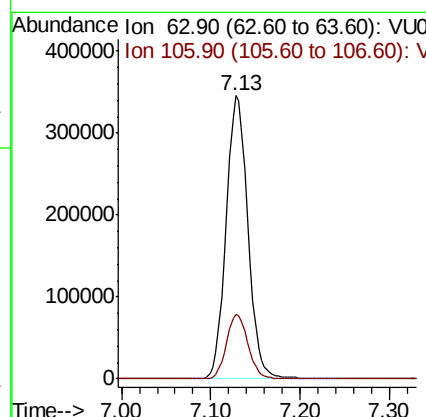
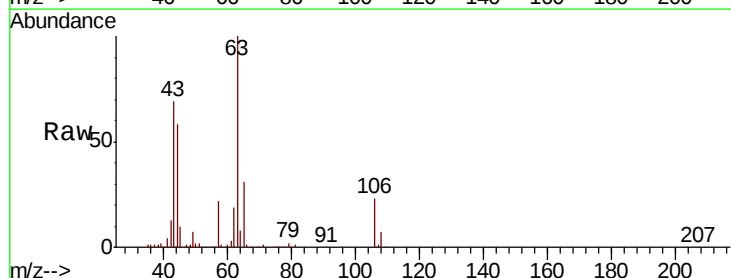
Manual Integrations
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 11/2/2018 9:00:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.785 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Tgt Ion: 63 Resp: 585072
 Ion Ratio Lower Upper
 63 100
 106 22.6 17.8 26.6





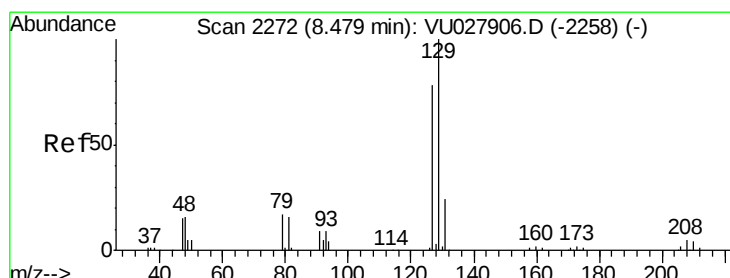
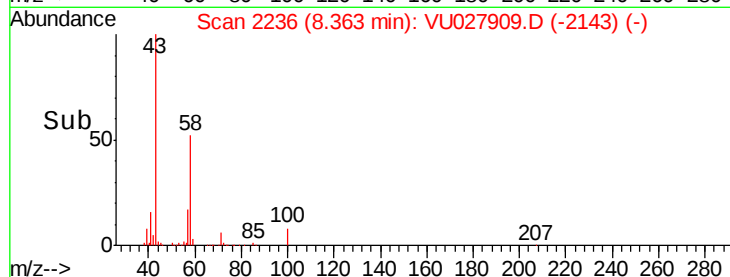
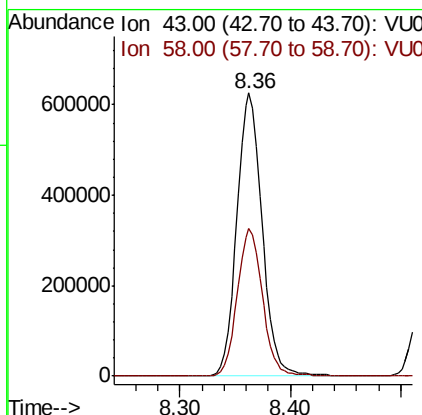
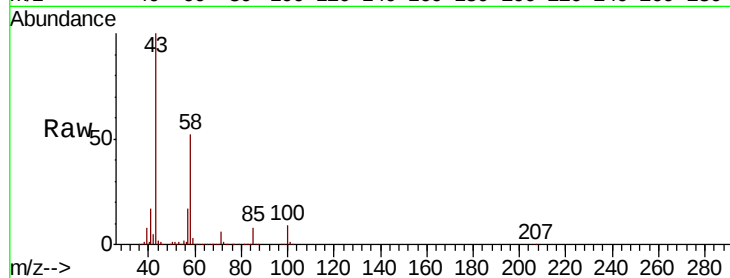
#59
2-Hexanone
Concen: 246.133 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion: 43 Resp: 993721
Ion Ratio Lower Upper
43 100
58 52.3 25.8 77.3

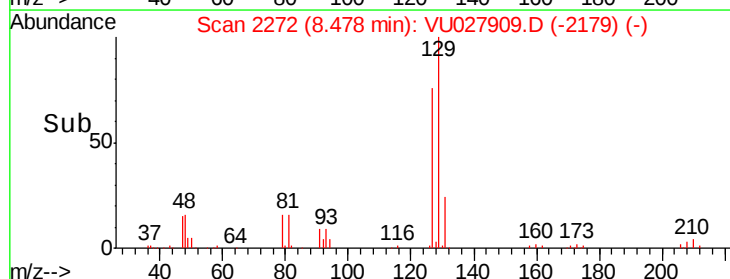
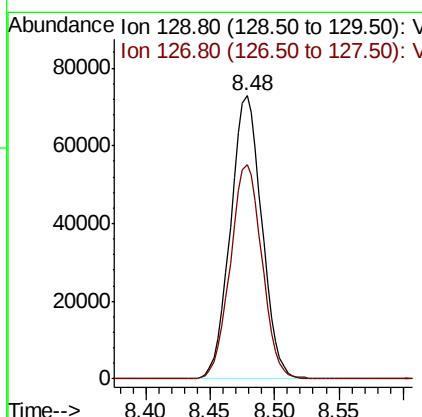
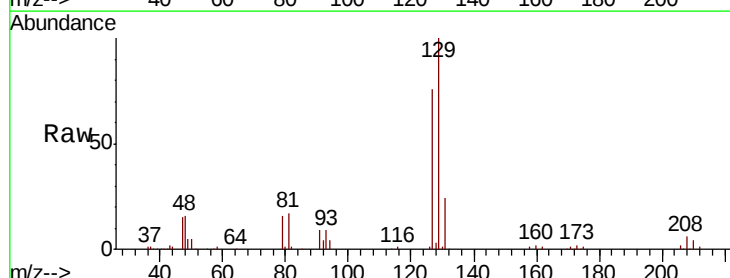
Manual Integrations
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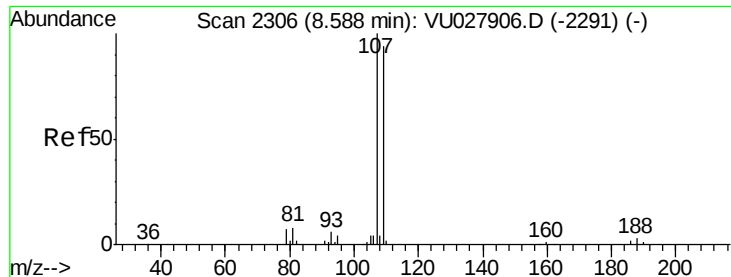
MMDadoda
11/2/2018 9:00:26 AM



#60
Dibromochloromethane
Concen: 52.227 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion: 129 Resp: 123056
Ion Ratio Lower Upper
129 100
127 76.4 39.2 117.6





#61

1,2-Dibromoethane

Concen: 50.658 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

ICVVU110218

Tot Ion:107 Resp: 134028

Ion Ratio Lower Upper

107 100

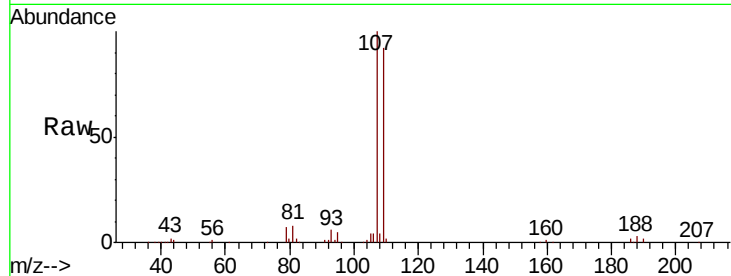
109 92.5 73.8 110.8

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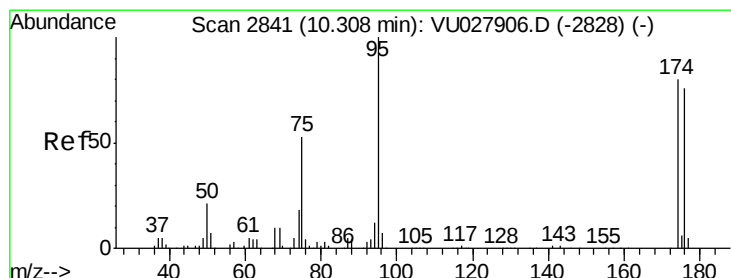
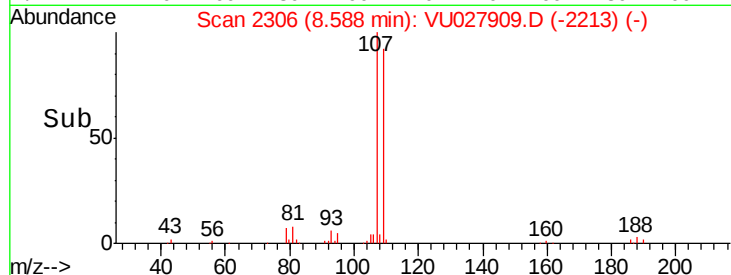
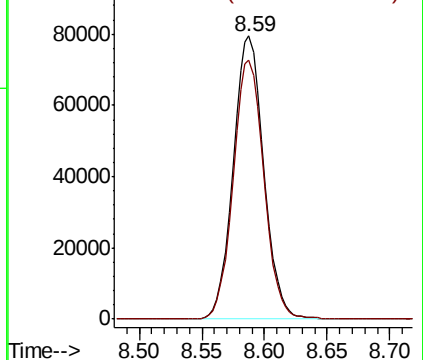
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.206 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

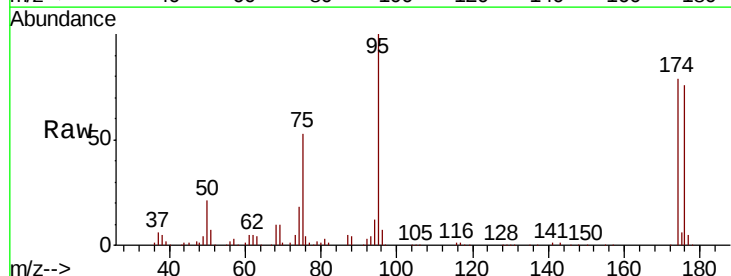
Tgt Ion: 95 Resp: 143714

Ion Ratio Lower Upper

95 100

174 79.2 0.0 156.4

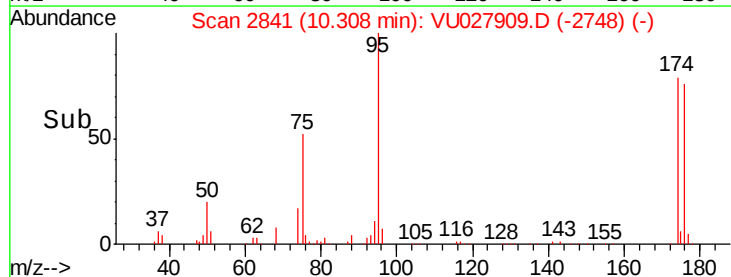
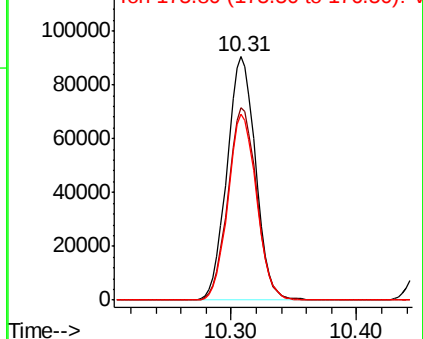
176 76.1 0.0 150.8

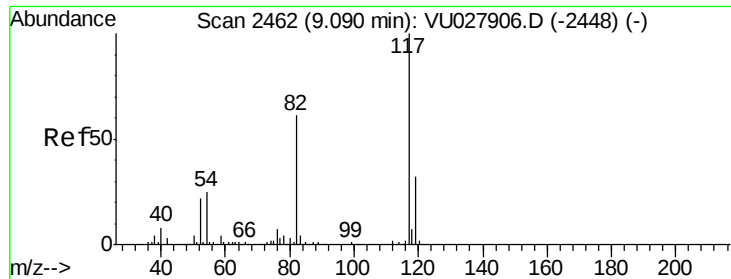


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





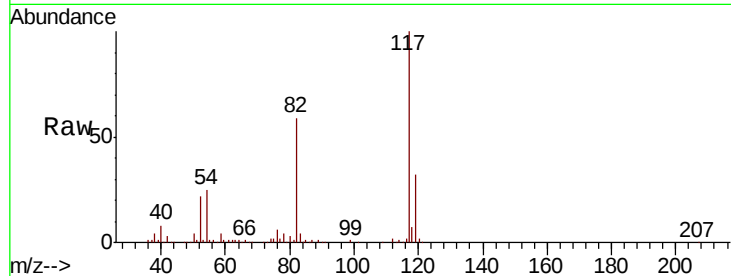
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	48.6	73.0
119	31.6	25.8	38.8

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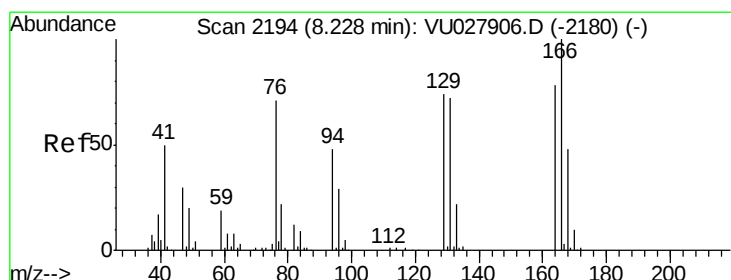
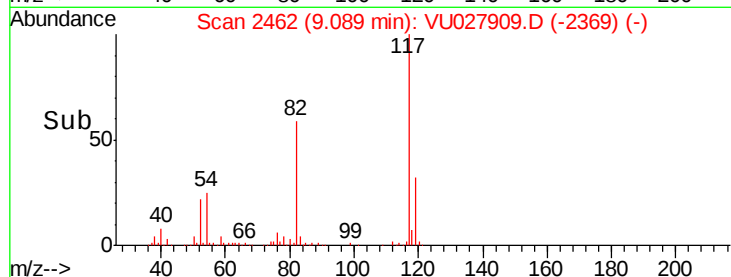
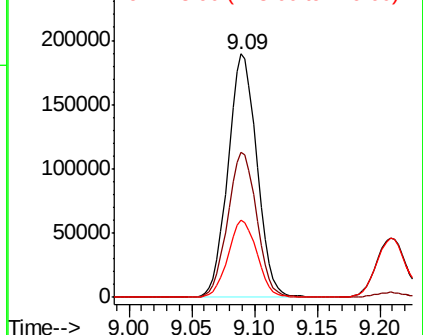


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.988 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	102.1	153.1
129	94.4	75.9	113.9
131	87.8	73.0	109.6

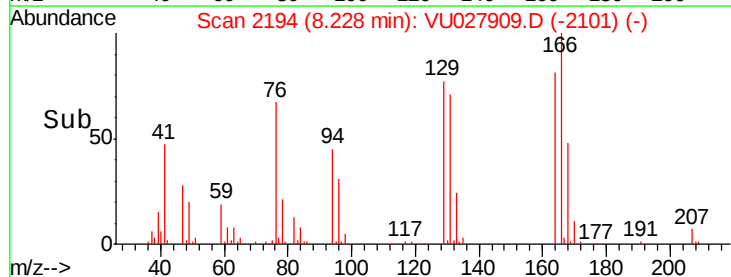
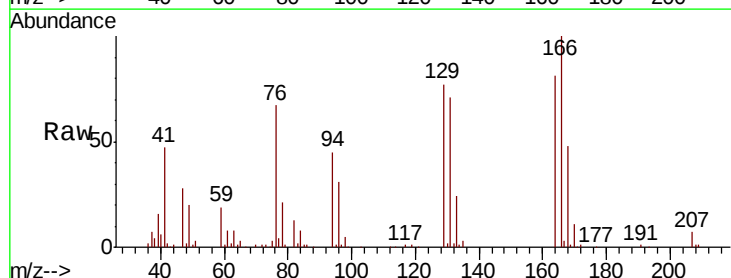
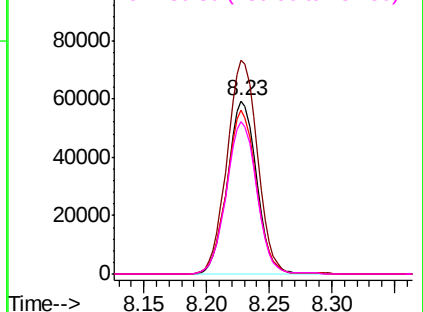
Abundance

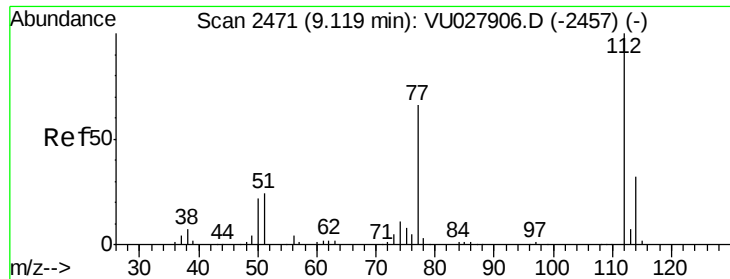
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





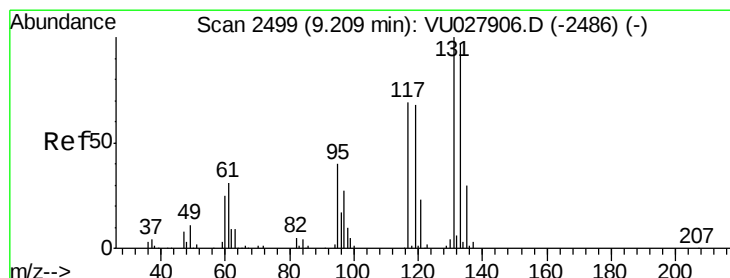
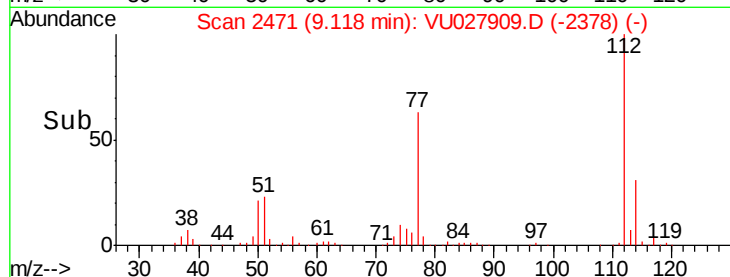
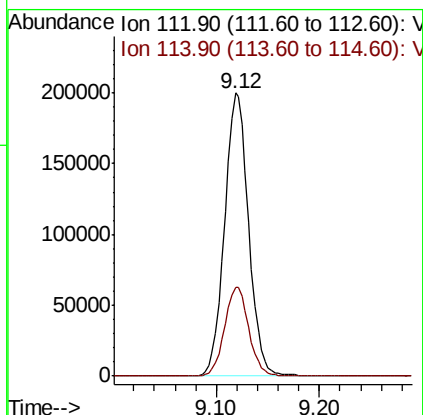
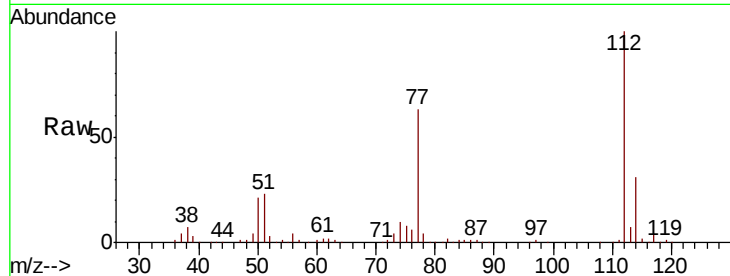
#65
Chlorobenzene
Concen: 50.322 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion:112 Resp: 323782
Ion Ratio Lower Upper
112 100
114 31.2 25.2 37.8

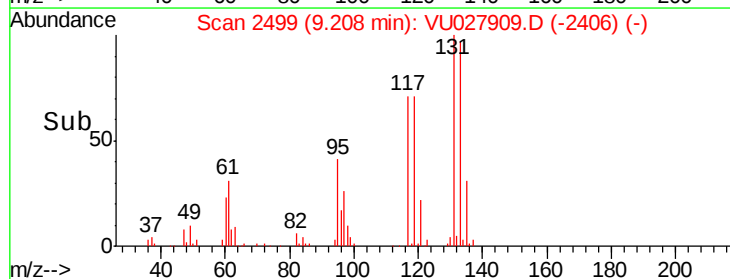
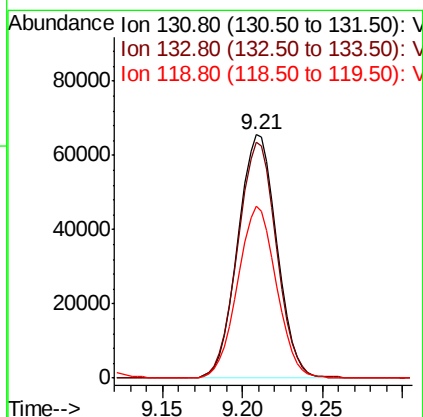
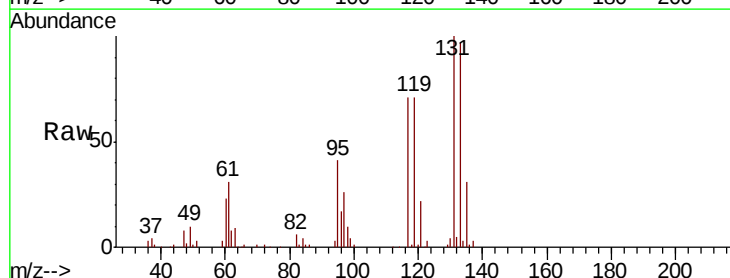
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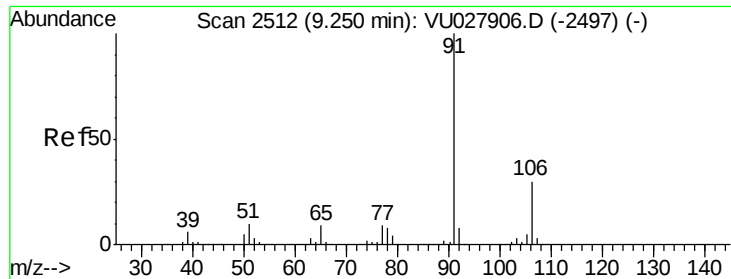
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.580 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion:131 Resp: 108961
Ion Ratio Lower Upper
131 100
133 97.0 48.1 144.4
119 70.0 34.0 101.8





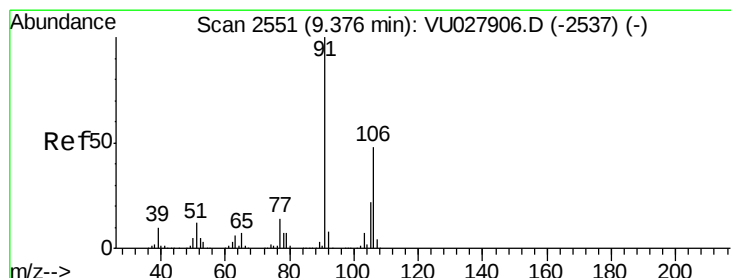
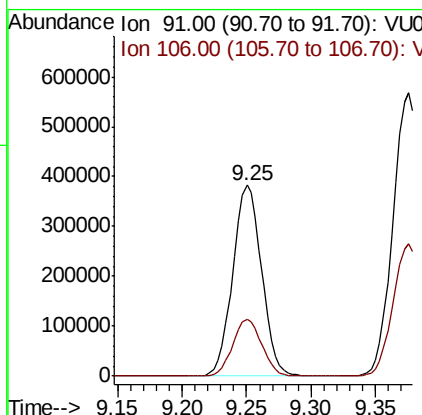
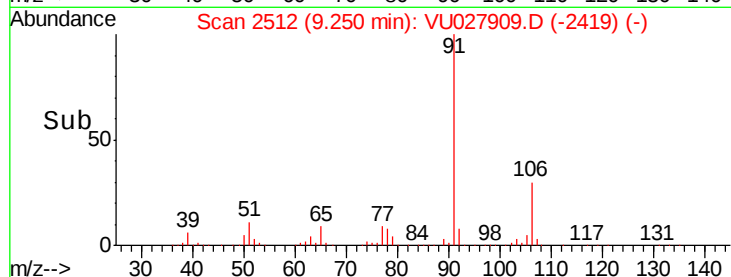
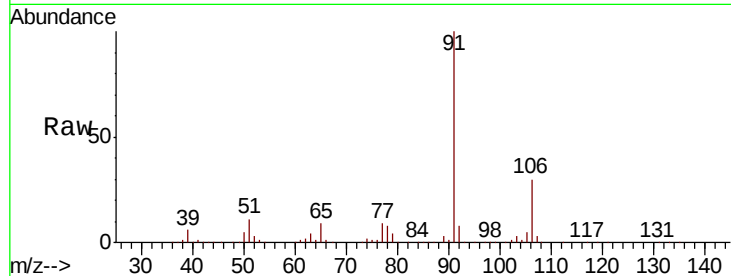
#67
Ethyl Benzene
Concen: 50.258 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion: 91 Resp: 595211
Ion Ratio Lower Upper
91 100
106 29.7 23.6 35.4

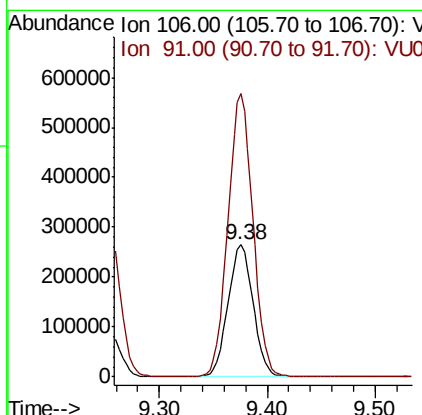
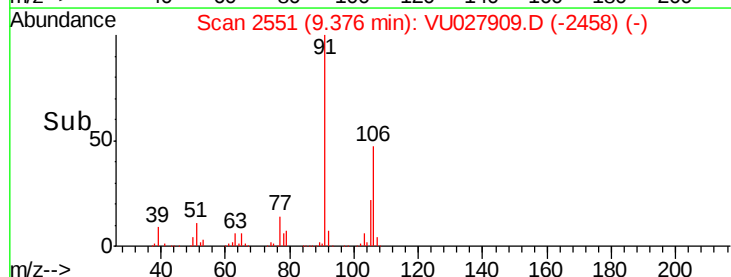
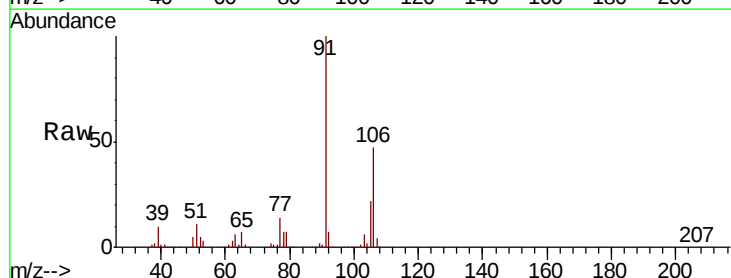
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#68
m/p-Xylenes
Concen: 100.527 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion: 106 Resp: 431984
Ion Ratio Lower Upper
106 100
91 212.0 168.2 252.4





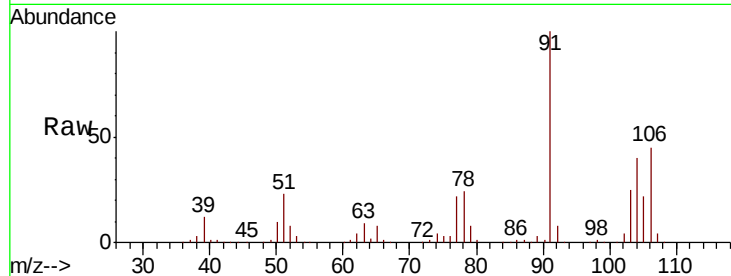
#69
o-Xylene
Concen: 49.155 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

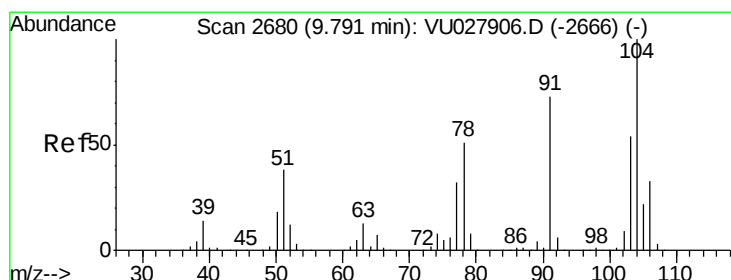
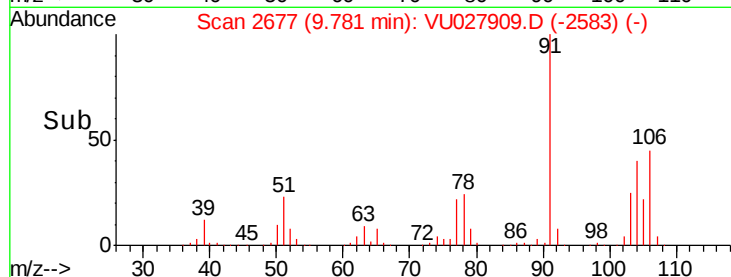
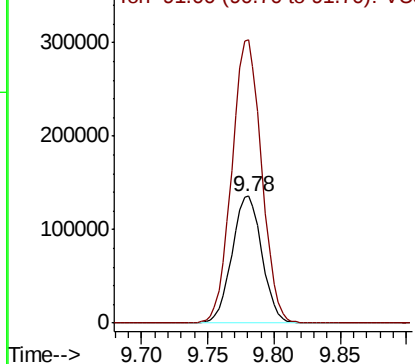
Tot Ion:106 Resp: 213293
Ion Ratio Lower Upper
106 100
91 222.0 111.1 333.4

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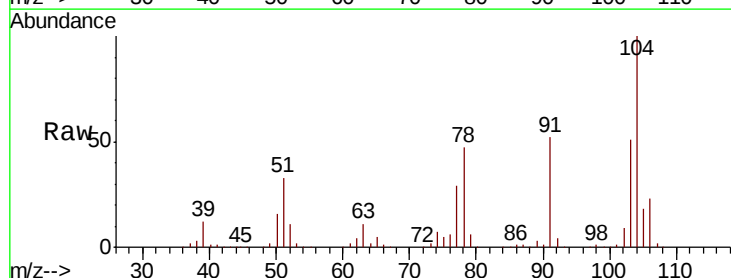


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

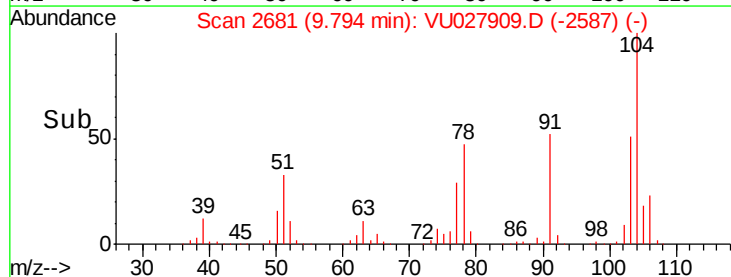
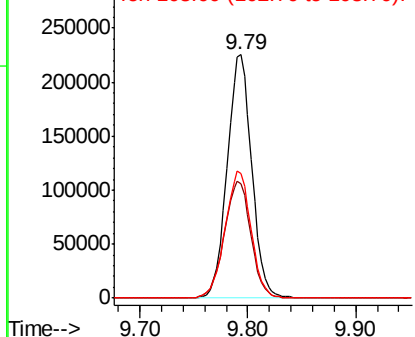


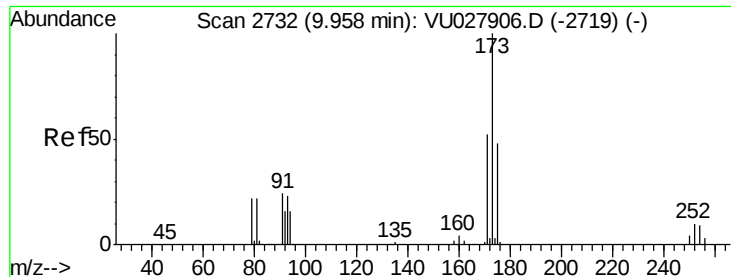
#70
Styrene
Concen: 51.581 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion:104 Resp: 357623
Ion Ratio Lower Upper
104 100
78 52.0 43.0 64.4
103 55.2 45.1 67.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.949 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

MSVOA_U

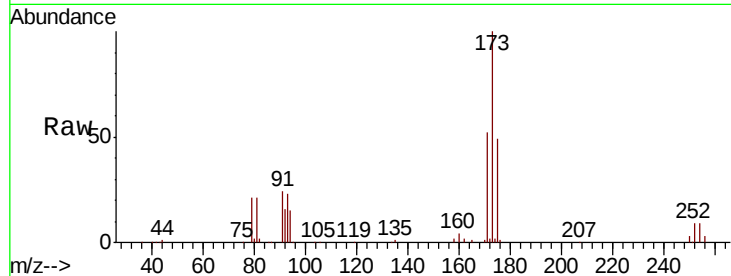
ClientSampleId :

ICVVU110218

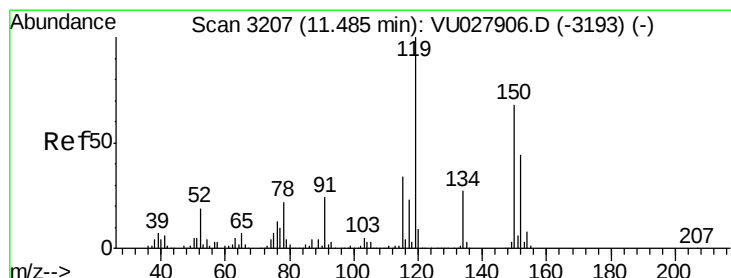
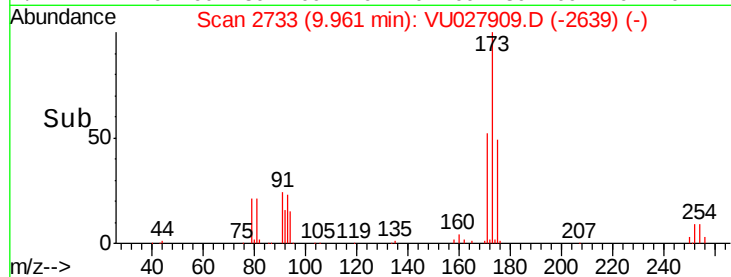
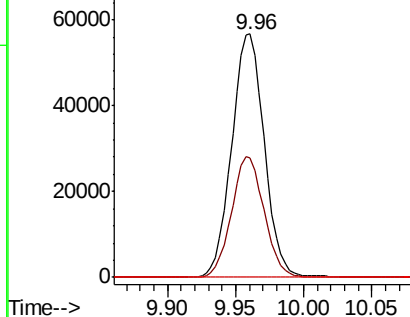
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	72.8
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

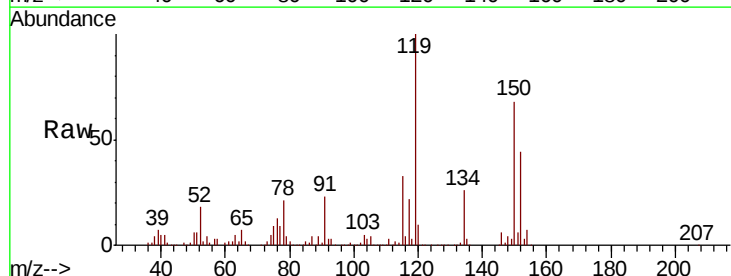
RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

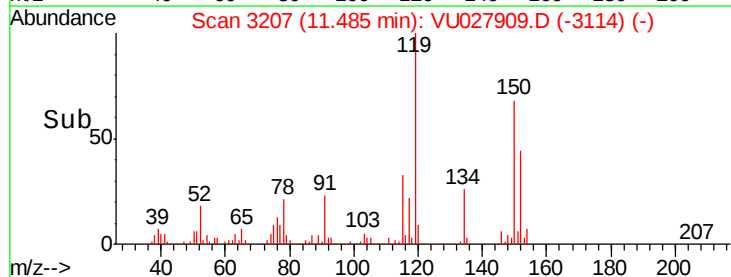
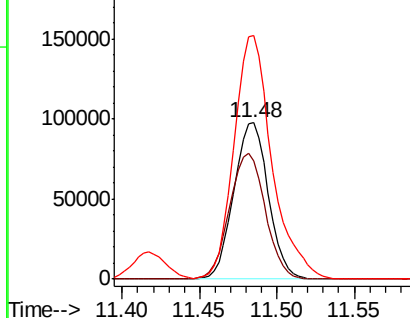
Lab File: VU027909.D

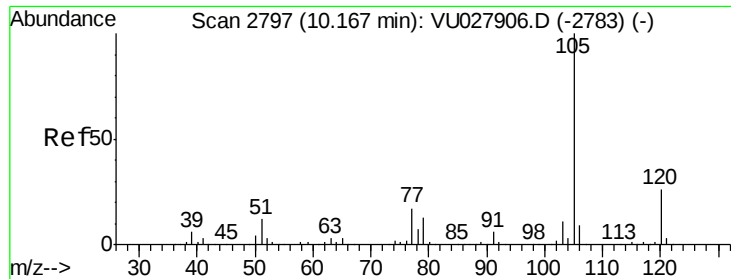
Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	83.7	43.0	129.0
150	171.8	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: 49.069 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

ICVVU110218

Tot Ion: 105 Resp: 573384

Ion Ratio Lower Upper

105 100

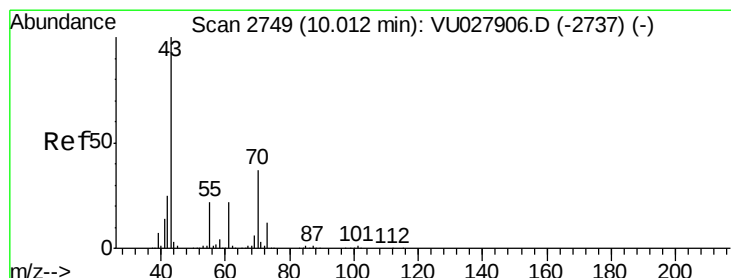
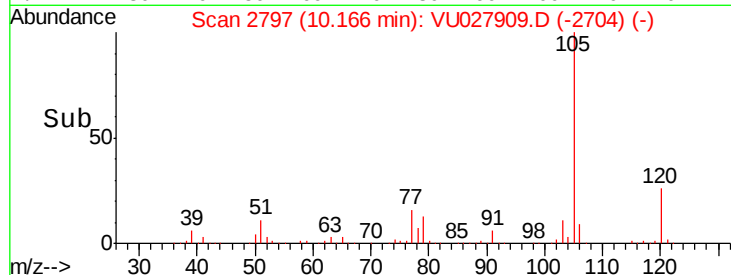
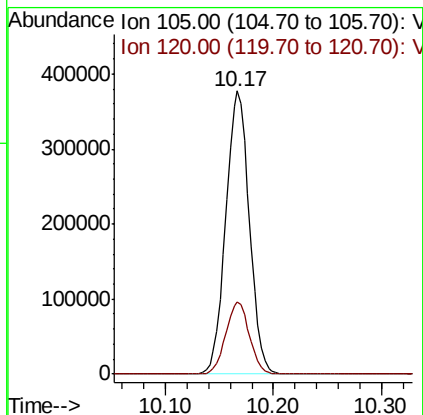
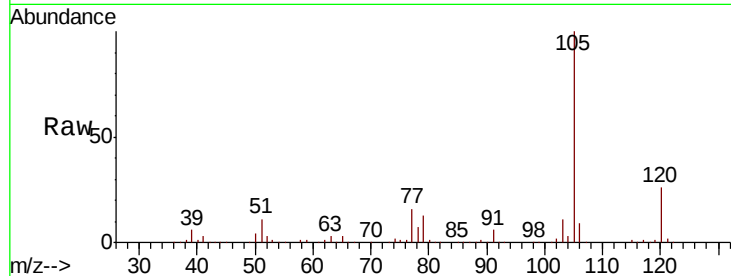
120 25.5 12.7 38.0

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#74

N-ethyl acetate

Concen: 50.226 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Tgt Ion: 43 Resp: 354890

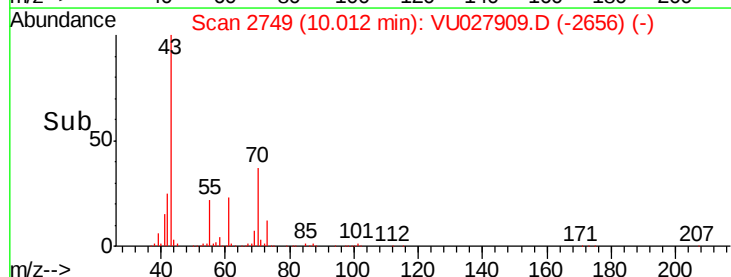
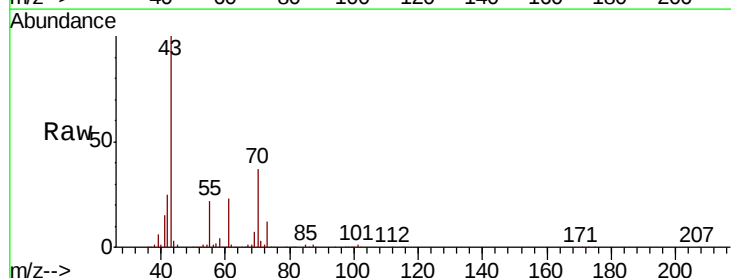
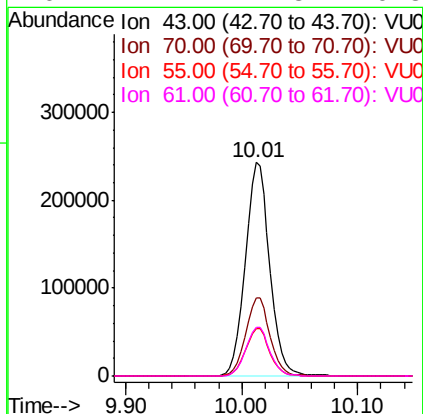
Ion Ratio Lower Upper

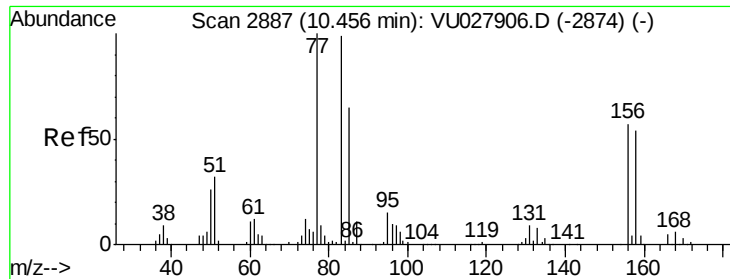
43 100

70 36.7 29.2 43.8

55 22.2 17.8 26.6

61 22.4 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.029 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

ICVVU110218

Tot Ion: 83 Resp: 226385

Ion Ratio Lower Upper

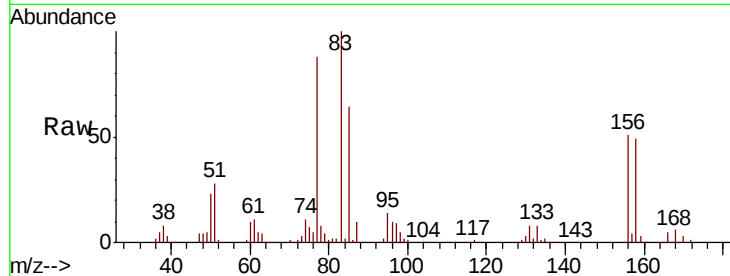
83 100

131 8.2 4.3 13.1

85 63.8 32.4 97.2

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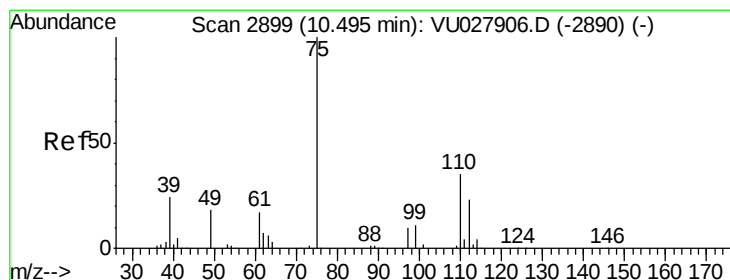
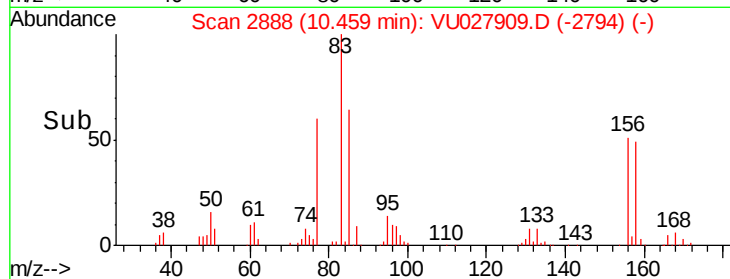
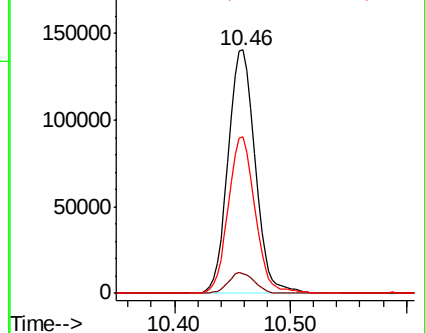
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Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 42.506 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027909.D

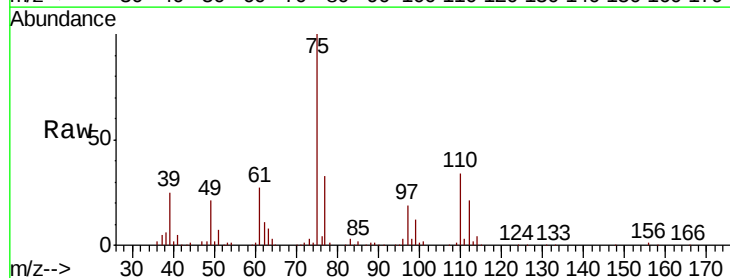
Acq: 01 Nov 2018 20:45

Tgt Ion: 75 Resp: 175375

Ion Ratio Lower Upper

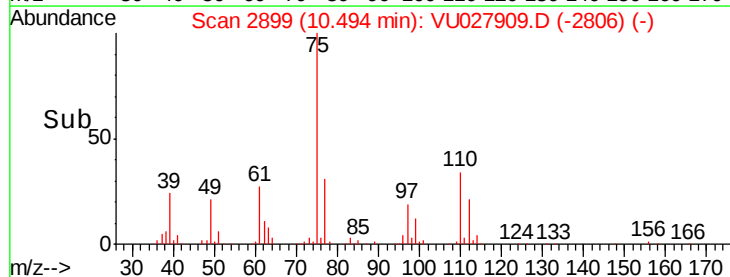
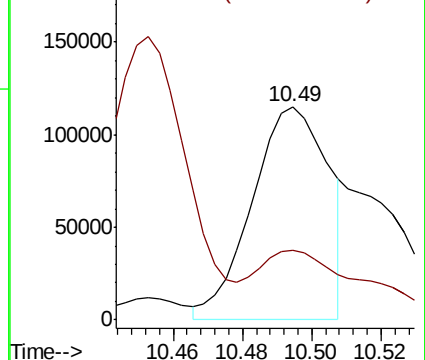
75 100

77 47.0 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 50.788 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

MSVOA_U

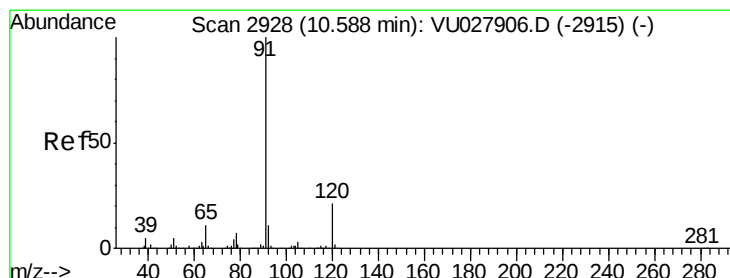
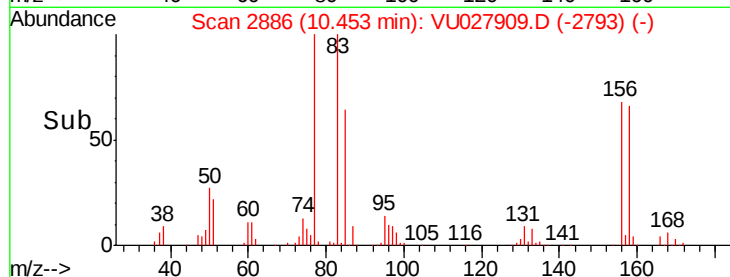
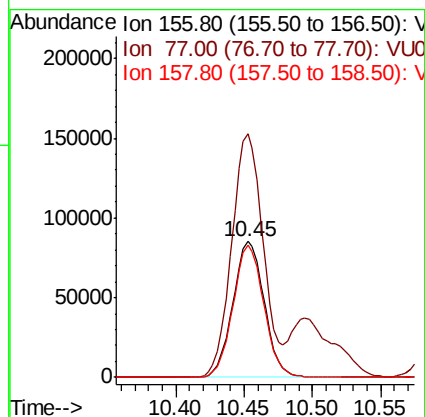
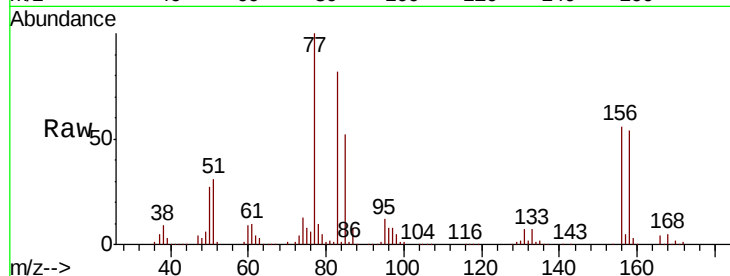
ClientSampleId :

ICVVU110218

Tot Ion:	156	Resp:	136085
Ion Ratio	Lower	Upper	
156	100		
77	180.5	91.8	275.6
158	95.8	48.4	145.2

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#78

n-propylbenzene

Concen: 50.116 ug/l

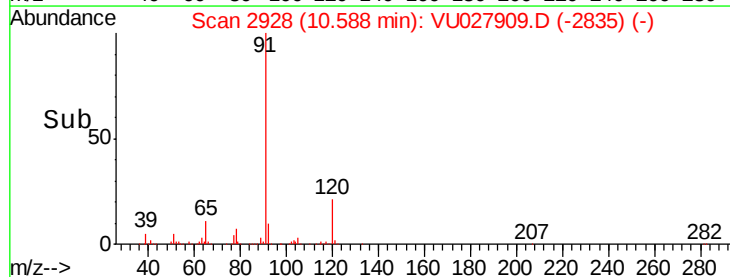
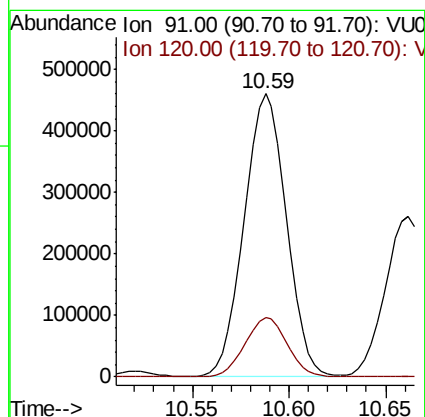
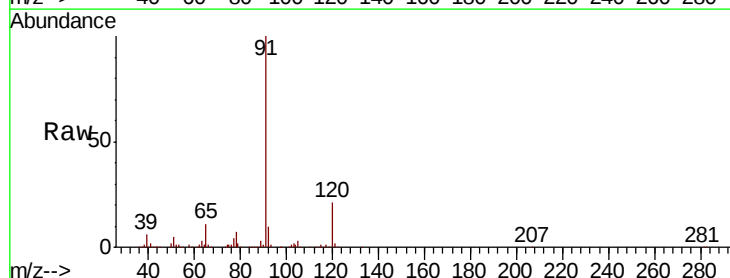
RT: 10.59 min Scan# 2928

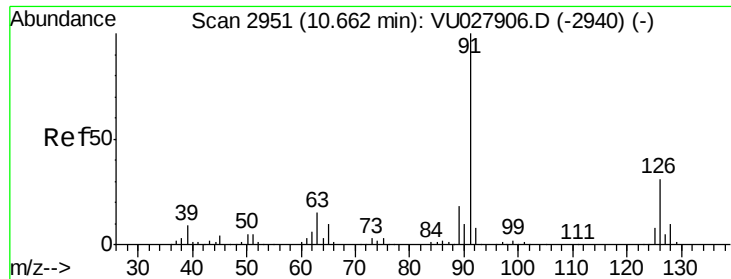
Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Tgt Ion:	91	Resp:	700984
Ion Ratio	Lower	Upper	
91	100		
120	20.9	10.6	31.8





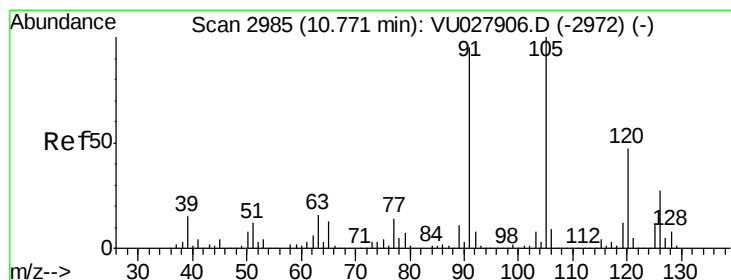
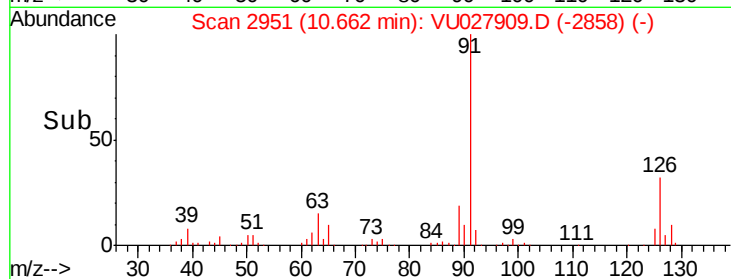
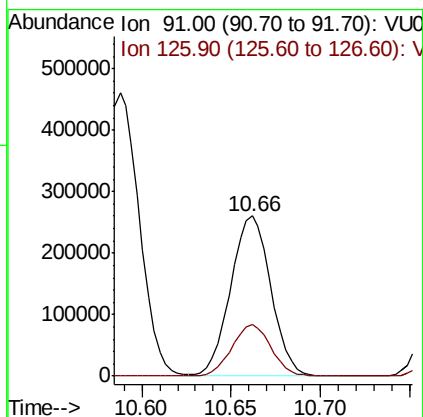
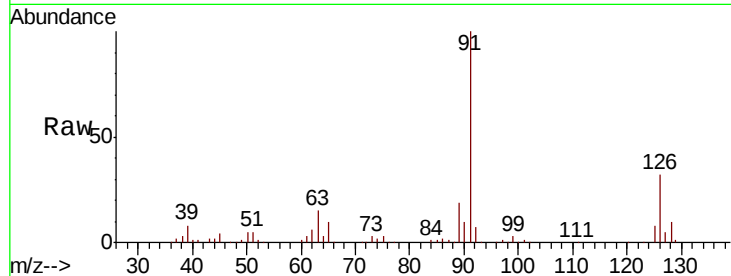
#79
2-Chlorotoluene
Concen: 48.844 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion: 91 Resp: 409510
Ion Ratio Lower Upper
91 100
126 31.4 16.0 47.9

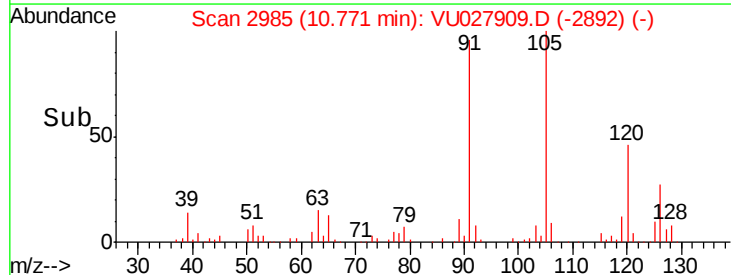
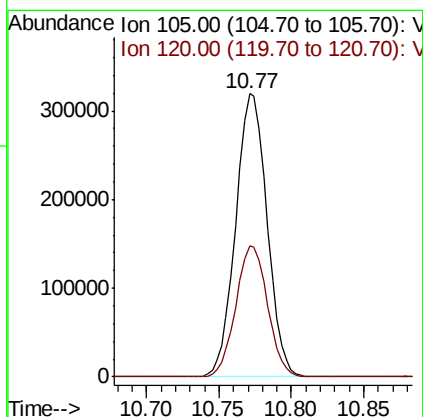
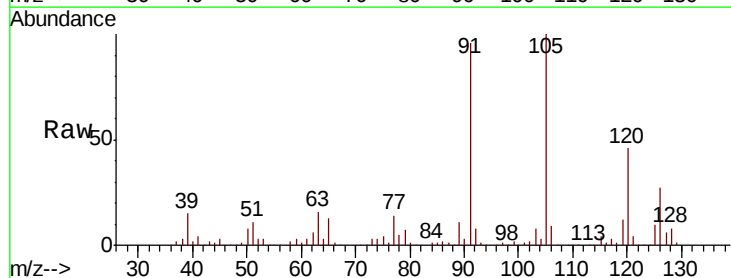
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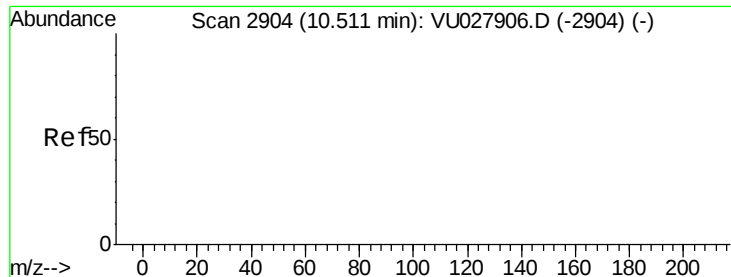
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#80
1,3,5-Trimethylbenzene
Concen: 49.639 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion: 105 Resp: 480502
Ion Ratio Lower Upper
105 100
120 46.8 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 54.701 ug/l m

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU027909.D

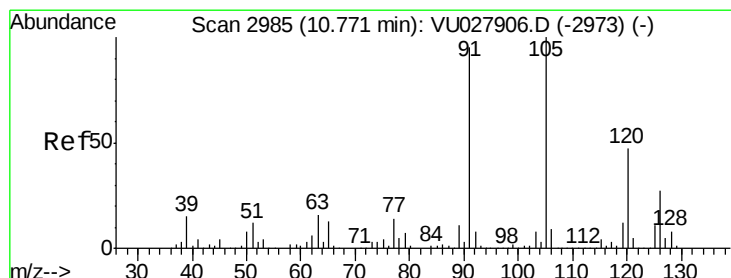
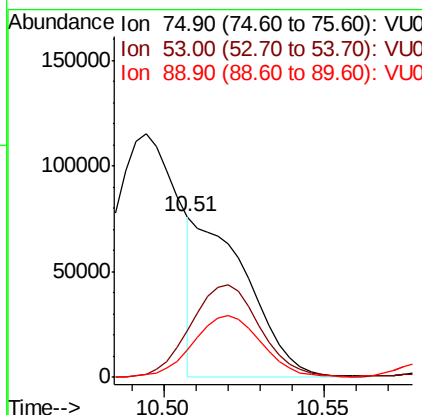
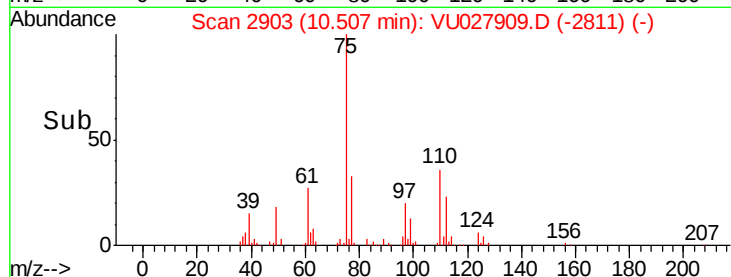
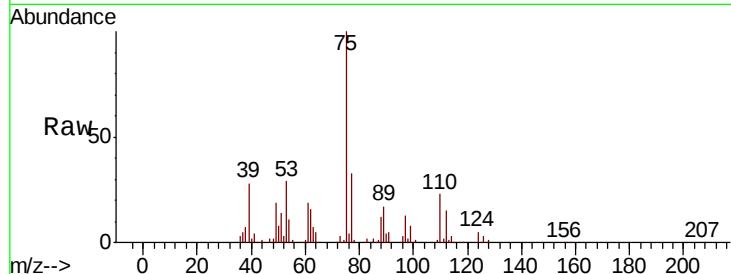
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

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

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#82

4-Chlorotoluene

Concen: 49.552 ug/l

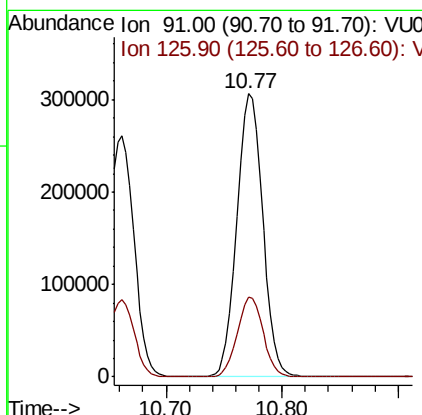
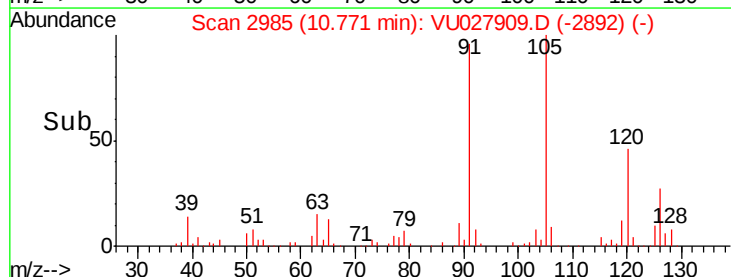
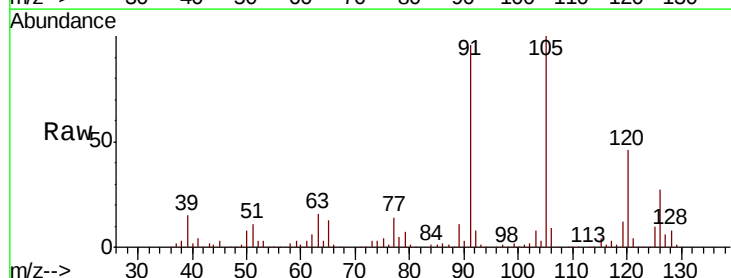
RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.2	42.6





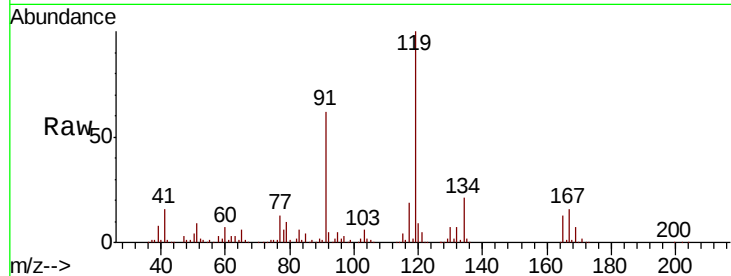
#83
 tert-Butylbenzene
 Concen: 47.795 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU110218

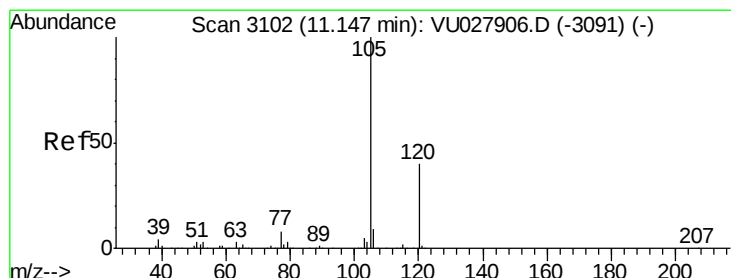
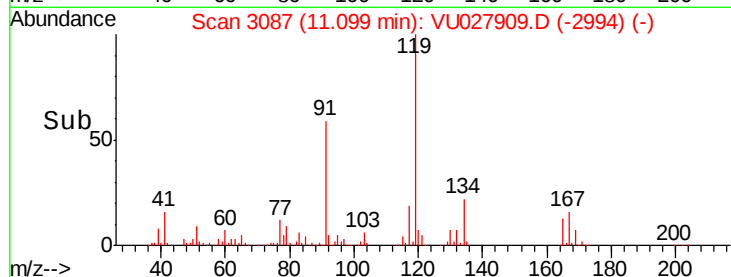
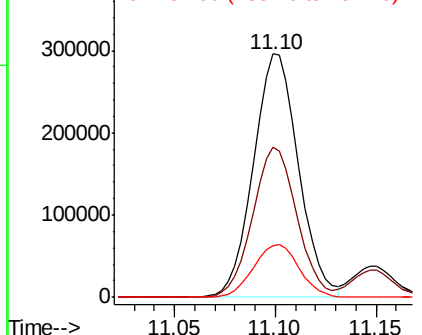
Tot Ion	Ratio	Resp	Lower	Upper
119	100	462516		
91	60.4	29.8	89.3	
134	22.1	11.1	33.1	

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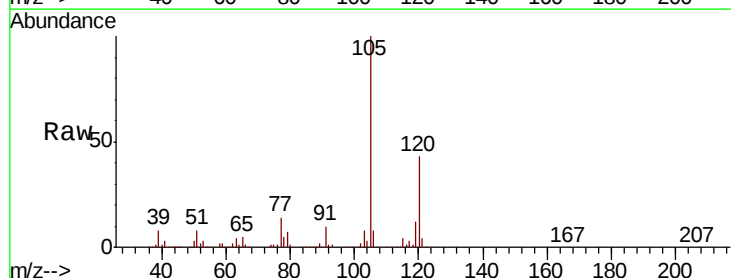


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

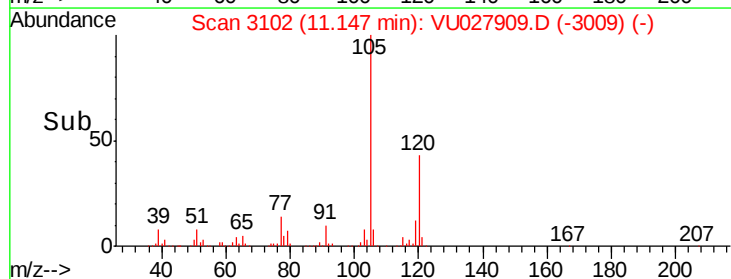
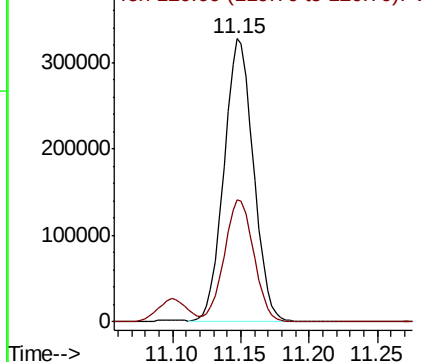


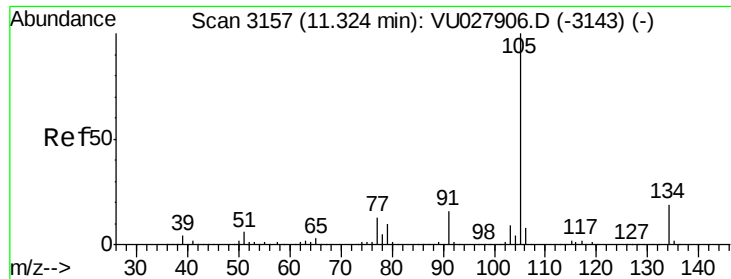
#84
 1,2,4-Trimethylbenzene
 Concen: 50.293 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	490219		
120	43.5	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: 50.854 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

Instrument :

MSVOA_U

ClientSampleId :

ICVVU110218

Tot Ion:105 Resp: 598503

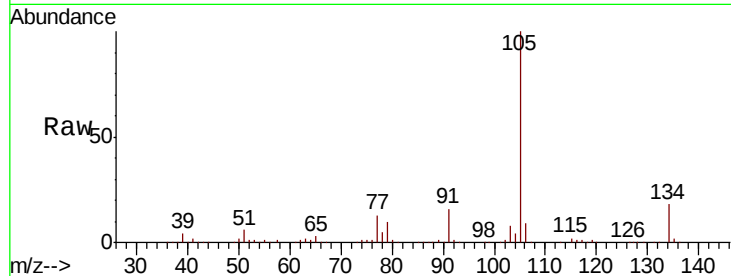
Ion Ratio Lower Upper

105 100

134 18.1 9.2 27.6

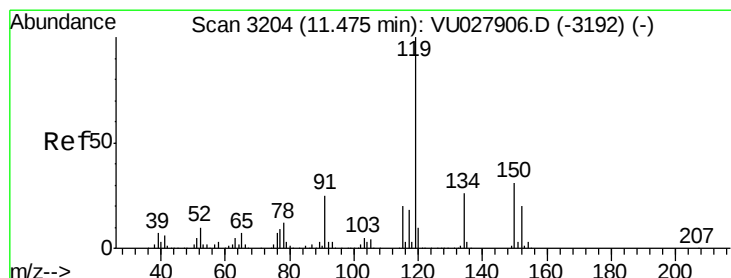
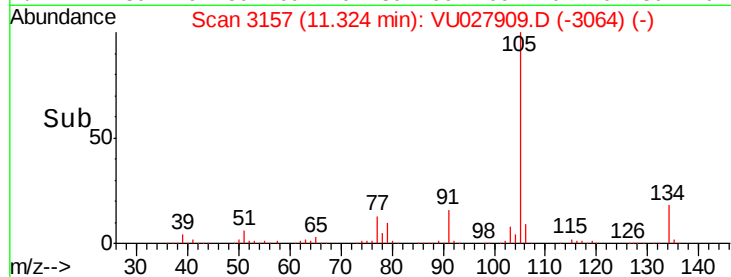
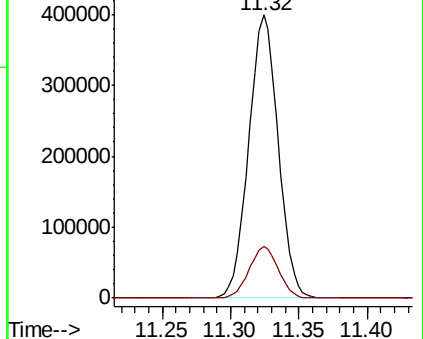
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.413 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027909.D

Acq: 01 Nov 2018 20:45

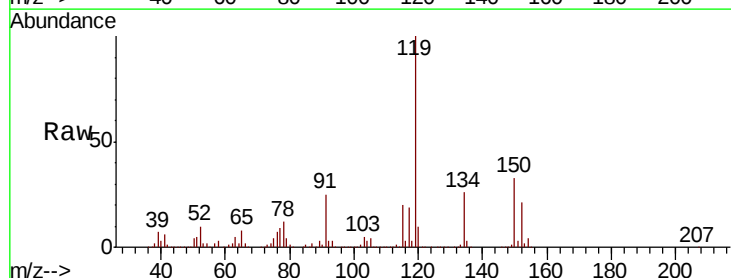
Tgt Ion:119 Resp: 495993

Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

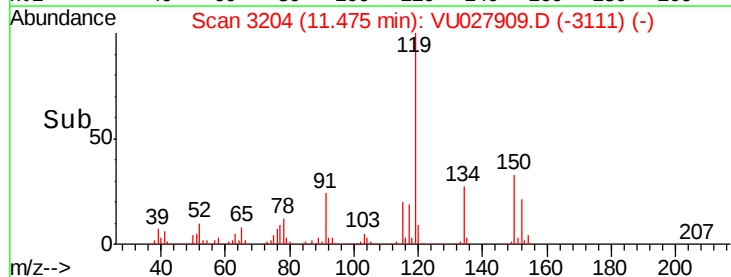
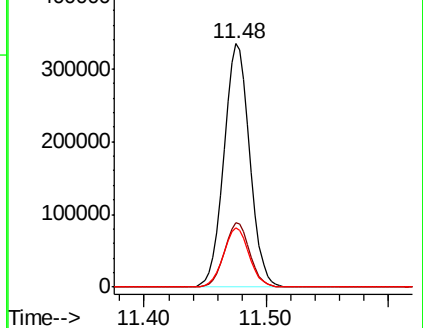
91 24.5 12.4 37.2

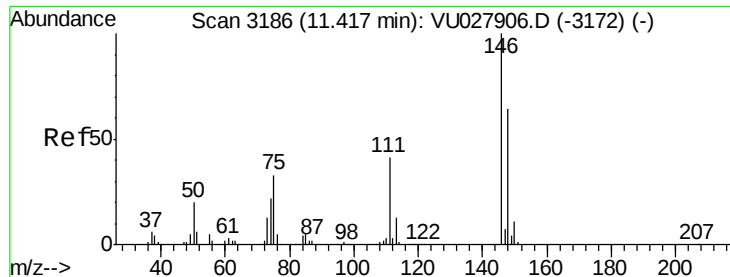


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





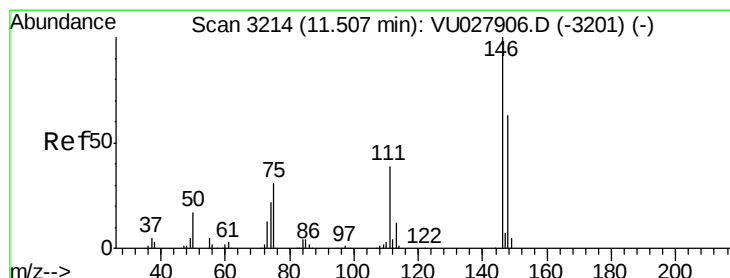
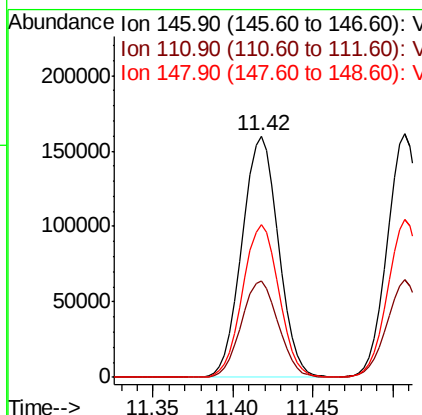
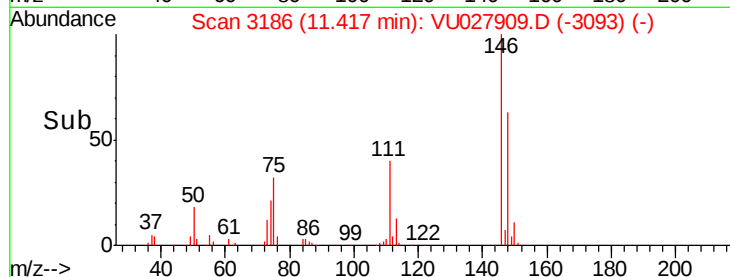
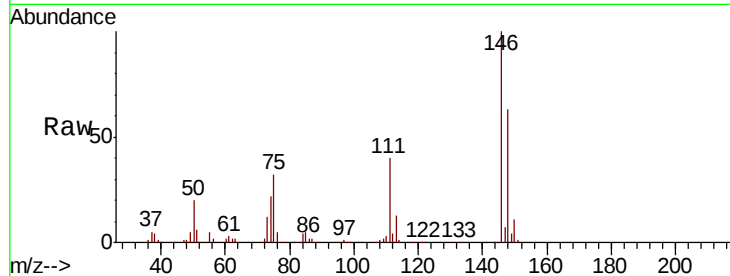
#87
 1,3-Dichlorobenzene
 Concen: 50.164 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU110218

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	61.0
148	63.1	31.8	95.4

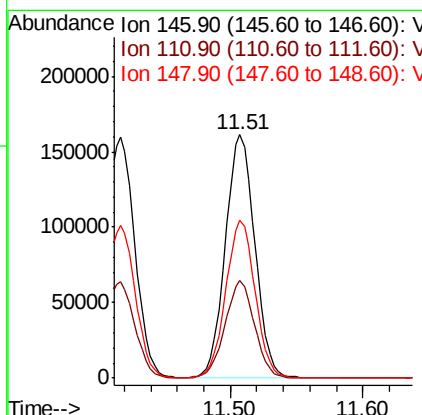
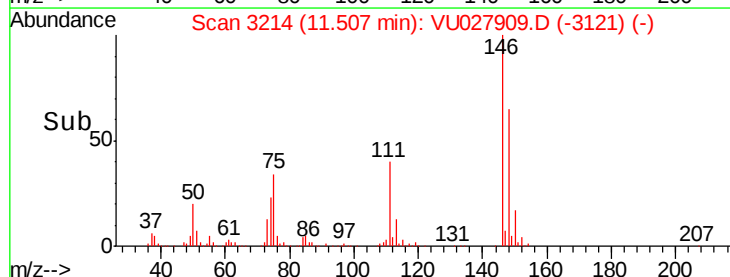
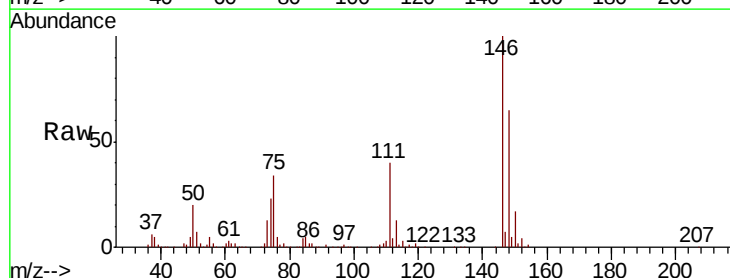
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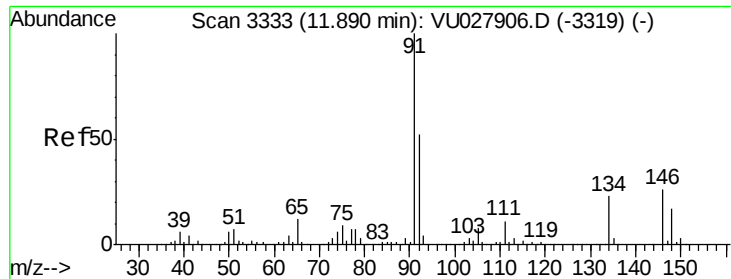
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#88
 1,4-Dichlorobenzene
 Concen: 48.984 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.9
148	64.6	32.0	96.2





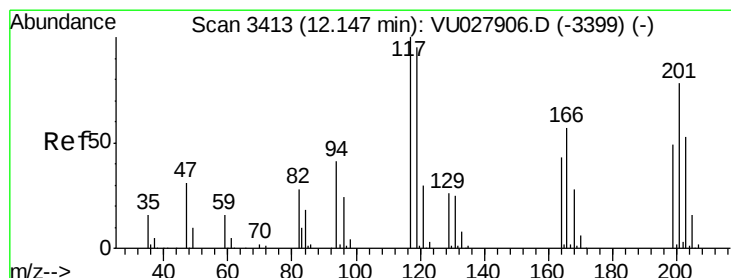
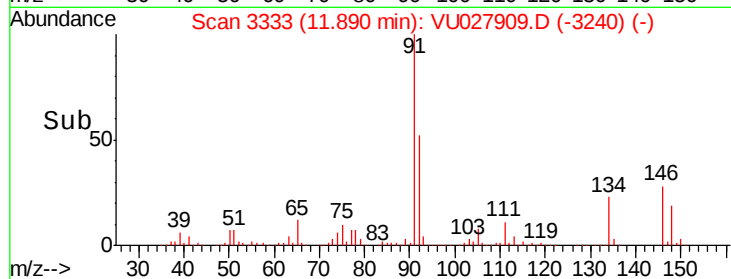
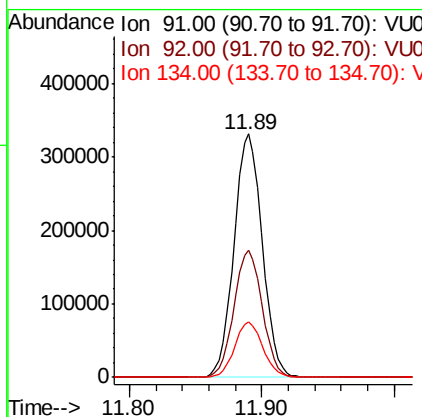
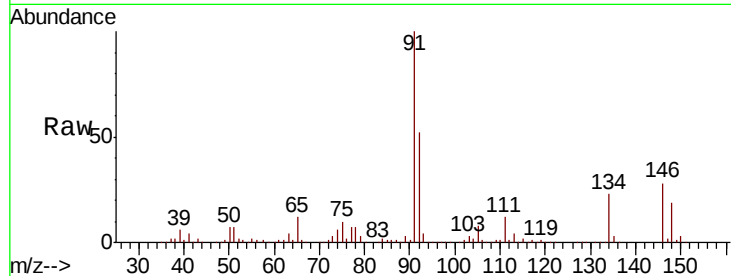
#89
n-Butylbenzene
Concen: 52.415 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion	Ratio	Resp	Lower	Upper
91	100	490101		
92	52.4	26.2	78.5	
134	22.7	11.5	34.5	

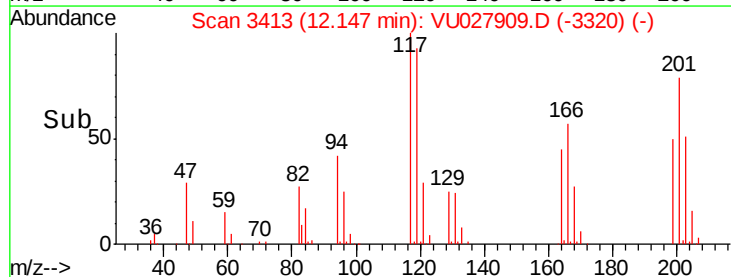
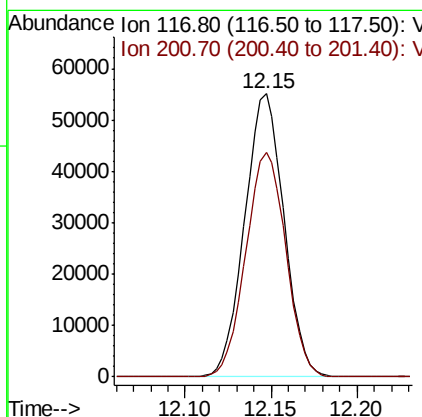
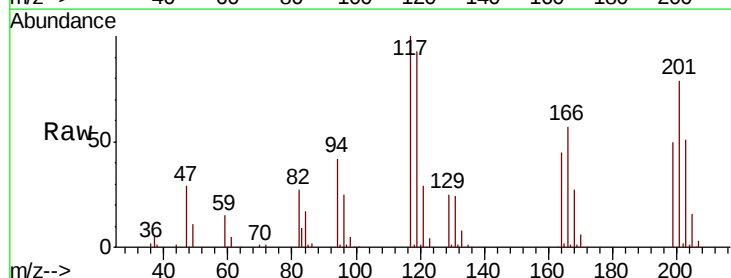
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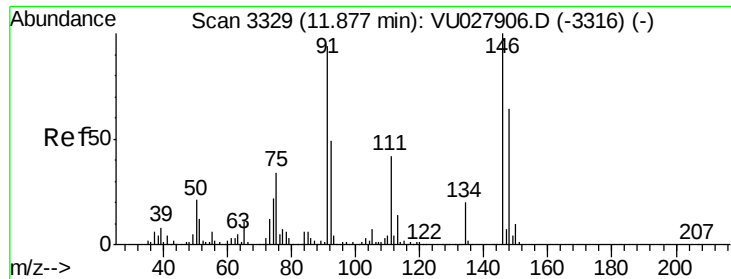
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#90
Hexachloroethane
Concen: 49.849 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	87318		
201	80.8	38.5	115.5	





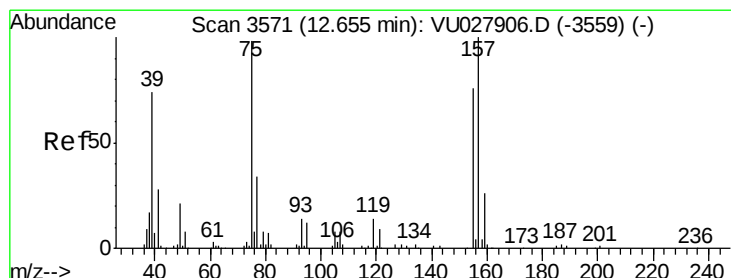
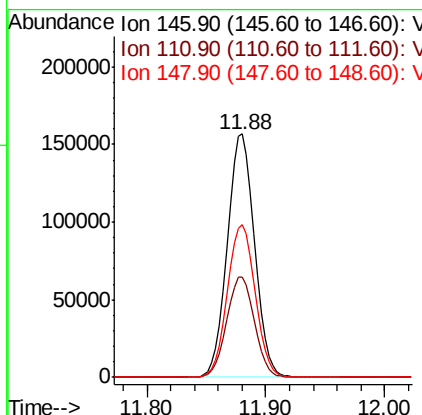
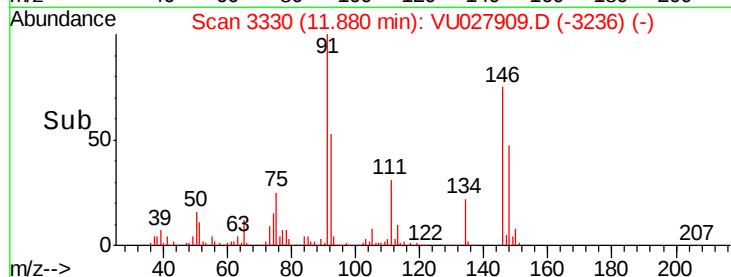
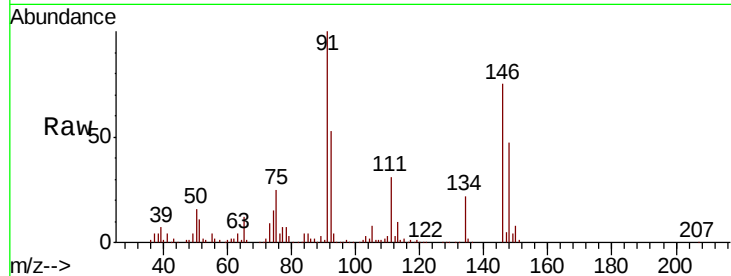
#91
 1,2-Dichlorobenzene
 Concen: 50.030 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU110218

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	64.0
148	64.0	31.8	95.3

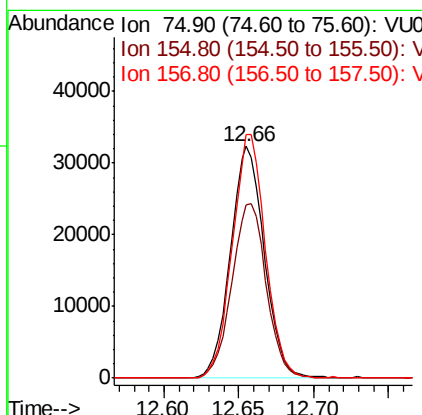
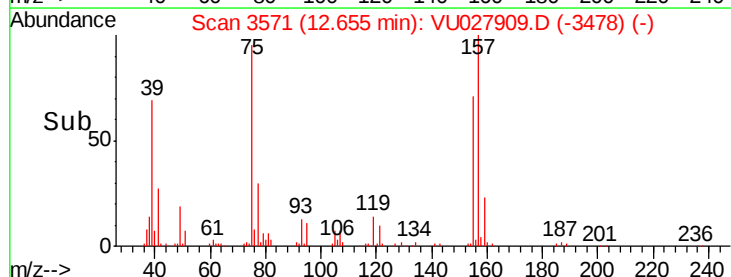
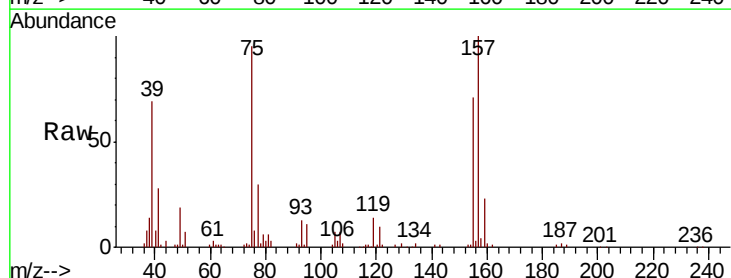
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.253 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027909.D
 Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.7	39.8	119.3
157	102.8	50.6	151.9





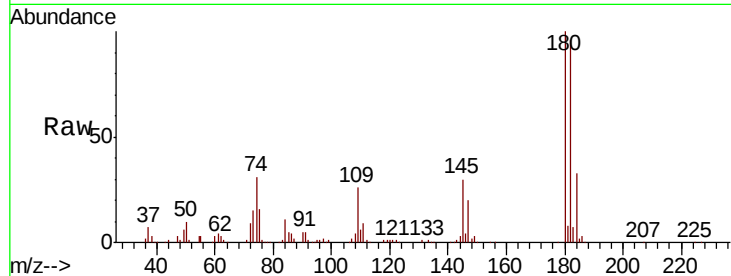
#93
1,2,4-Trichlorobenzene
Concen: 49.464 ug/l
RT: 13.50 min Scan# 3835
Delta R.T. 0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.4	145.2
145	30.0	14.9	44.5

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11/2/2018 9:00:26 AM

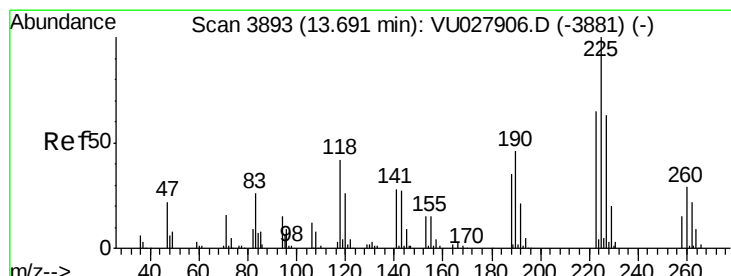
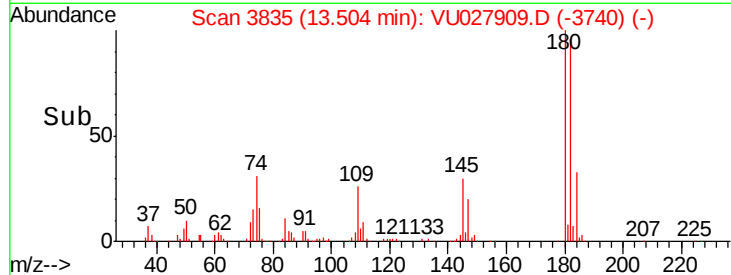
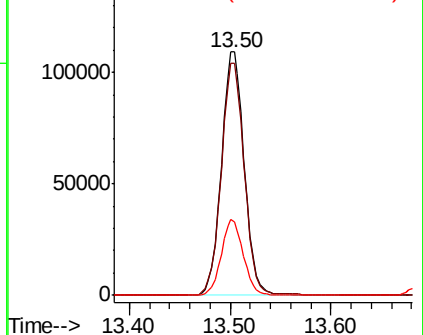


Abundance

Ion 179.80 (179.50 to 180.50): V

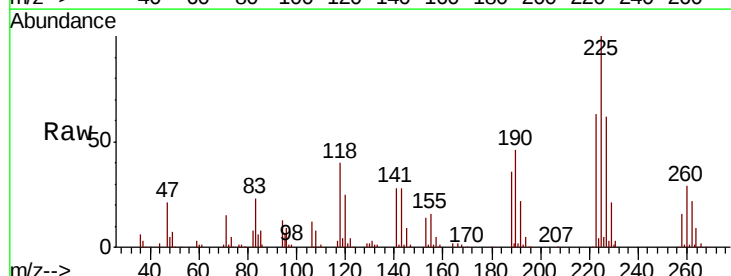
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 52.174 ug/l
RT: 13.69 min Scan# 3894
Delta R.T. 0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.2	96.6
227	63.7	32.5	97.4

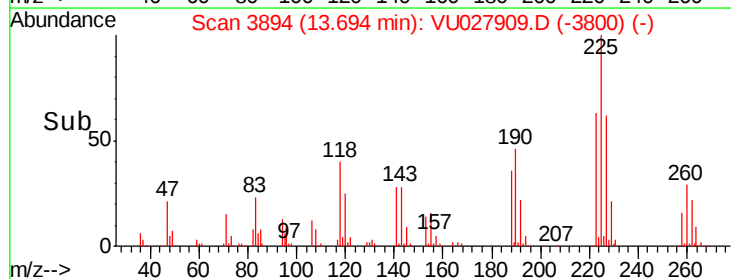
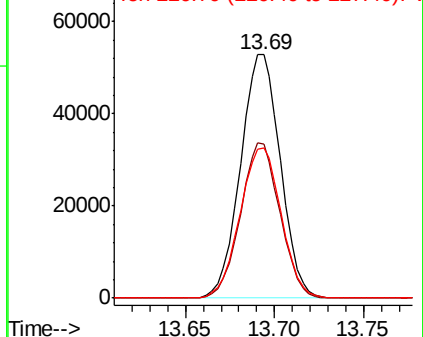


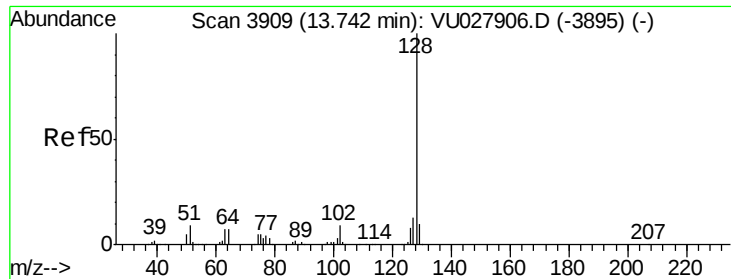
Abundance

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





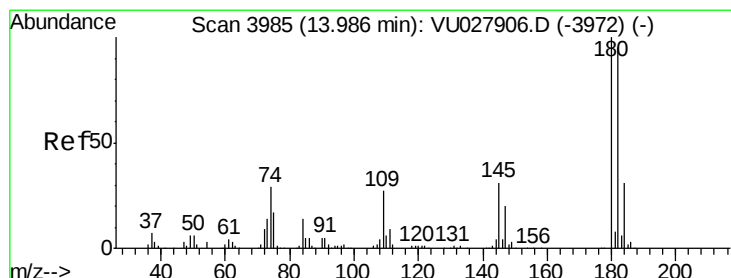
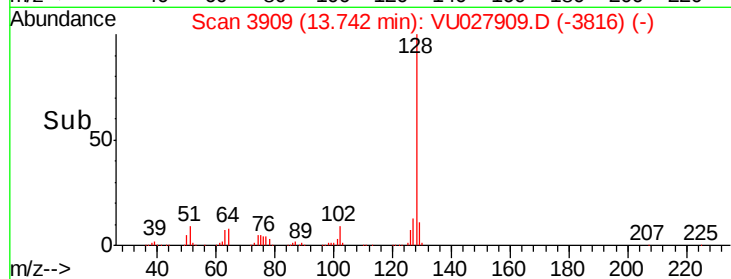
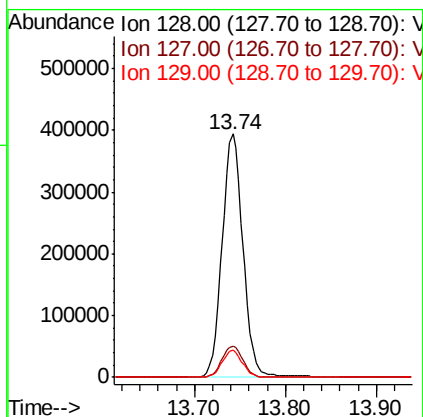
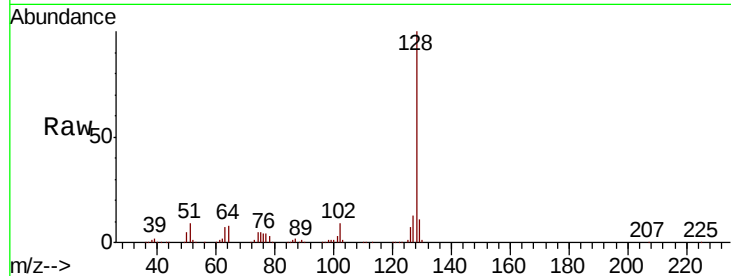
#95
Naphthalene
Concen: 50.878 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Instrument :
MSVOA_U
ClientSampleId :
ICVVU110218

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.5	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:00:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.589 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027909.D
Acq: 01 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.4	142.3
145	30.7	16.0	47.9

