

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027588.D
 Acq On : 11 Oct 2018 10:57
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:22:55 PM

Quant Time: Oct 12 09:43:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:38:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	124252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	207512	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	190473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	96826	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	89641	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
35) Dibromofluoromethane	4.88	113	65277	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
50) Toluene-d8	7.57	98	251387	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	10.31	95	92041	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	62936	46.57	ug/l	98
3) Chloromethane	1.33	50	99464	46.98	ug/l	100
4) Vinyl Chloride	1.40	62	95854	48.17	ug/l	100
5) Bromomethane	1.61	94	50477	46.73	ug/l	99
6) Chloroethane	1.69	64	59281	46.84	ug/l	97
7) Trichlorofluoromethane	1.88	101	102509	46.11	ug/l	99
8) Diethyl Ether	2.10	74	48107	47.97	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	62295	47.92	ug/l	98
10) Methyl Iodide	2.41	142	61889	41.43	ug/l	99
11) Tert butyl alcohol	2.83	59	110654	236.04	ug/l	99
12) 1,1-Dichloroethene	2.28	96	59821	46.91	ug/l	98
13) Acrolein	2.19	56	89578	240.86	ug/l	99
14) Allyl chloride	2.59	41	139161	44.99	ug/l	98
15) Acrylonitrile	2.94	53	269748	242.05	ug/l	99
16) Acetone	2.32	43	246078	209.87	ug/l	99
17) Carbon Disulfide	2.48	76	203789	46.62	ug/l	99
18) Methyl Acetate	2.62	43	131619	44.89	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	242885	49.49	ug/l	100
20) Methylene Chloride	2.70	84	73800	44.47	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	69004	48.96	ug/l	97
22) Diisopropyl ether	3.57	45	289907	48.93	ug/l	99
23) Vinyl Acetate	3.52	43	1269069	253.23	ug/l	99
24) 1,1-Dichloroethane	3.45	63	151062	48.16	ug/l	100
25) 2-Butanone	4.26	43	399778	240.60	ug/l	100
26) 2,2-Dichloropropane	4.22	77	119134	47.39	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	78392	50.16	ug/l	99
28) Bromochloromethane	4.55	49	72546	46.87	ug/l	97
29) Tetrahydrofuran	4.64	42	251647	241.50	ug/l	99
30) Chloroform	4.67	83	133969	48.04	ug/l	99
31) Cyclohexane	5.00	56	144516	48.45	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	113047	48.05	ug/l	99
36) 1,1-Dichloropropene	5.13	75	108327	51.39	ug/l	99
37) Ethyl Acetate	4.38	43	143546	47.47	ug/l	100
38) Carbon Tetrachloride	5.13	117	95416	49.10	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	124257	52.25	ug/l	98
40) Benzene	5.39	78	315100	49.43	ug/l	100
41) Methacrylonitrile	4.54	41	78177	46.57	ug/l	98
42) 1,2-Dichloroethane	5.40	62	114400	48.55	ug/l	99
43) Isopropyl Acetate	5.55	43	218068	49.82	ug/l	99
44) Trichloroethene	6.19	130	70550	50.15	ug/l	98
45) 1,2-Dichloropropane	6.43	63	89099	49.12	ug/l	98
46) Dibromomethane	6.56	93	52818	49.47	ug/l	98
47) Bromodichloromethane	6.76	83	104773	48.78	ug/l	99
48) Methyl methacrylate	6.62	41	110633	46.23	ug/l	100
49) 1,4-Dioxane	6.61	88	46470	1109.67	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	721310	245.14	ug/l	99
52) Toluene	7.64	92	187190	51.33	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	126067	51.55	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	136591	51.33	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	72622	48.26	ug/l	98
56) Ethyl methacrylate	8.02	69	127795	46.20	ug/l	99
57) 1,3-Dichloropropane	8.24	76	141012	49.33	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	368268	238.76	ug/l	98
59) 2-Hexanone	8.36	43	569213	247.98	ug/l	99
60) Dibromochloromethane	8.48	129	76212	50.68	ug/l	98
61) 1,2-Dibromoethane	8.59	107	77620	48.99	ug/l	97
64) Tetrachloroethene	8.23	164	59294	50.11	ug/l	98
65) Chlorobenzene	9.12	112	195212	49.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	67908	50.27	ug/l	99
67) Ethyl Benzene	9.25	91	354178	52.26	ug/l	100
68) m/p-Xylenes	9.38	106	265402	107.25	ug/l	98
69) o-Xylene	9.78	106	128096	53.25	ug/l	98
70) Styrene	9.79	104	213355	48.14	ug/l	100
71) Bromoform	9.96	173	56475	50.29	ug/l #	99
73) Isopropylbenzene	10.17	105	346412	53.14	ug/l	99
74) N-amyl acetate	10.02	43	199691	51.94	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	129423	46.16	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	118473m	49.04	ug/l	
77) Bromobenzene	10.45	156	79599	49.85	ug/l	97
78) n-propylbenzene	10.59	91	420229	53.11	ug/l	100
79) 2-Chlorotoluene	10.66	91	244206	50.31	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	288125	49.95	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	57769m	53.15	ug/l	
82) 4-Chlorotoluene	10.77	91	287336	52.98	ug/l	99
83) tert-Butylbenzene	11.10	119	275587	51.74	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	295070	49.61	ug/l	98
85) sec-Butylbenzene	11.33	105	350446	49.87	ug/l	100
86) p-Isopropyltoluene	11.48	119	303435	49.68	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	152087	51.29	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	152570	48.61	ug/l	100
89) n-Butylbenzene	11.89	91	289411	49.66	ug/l	99
90) Hexachloroethane	12.15	117	53539	49.68	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	147218	49.24	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30030	48.99	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	103942	50.16	ug/l	99
94) Hexachlorobutadiene	13.69	225	51662	53.85	ug/l	99
95) Naphthalene	13.75	128	353947	49.35	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	107233	54.47	ug/l	99

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

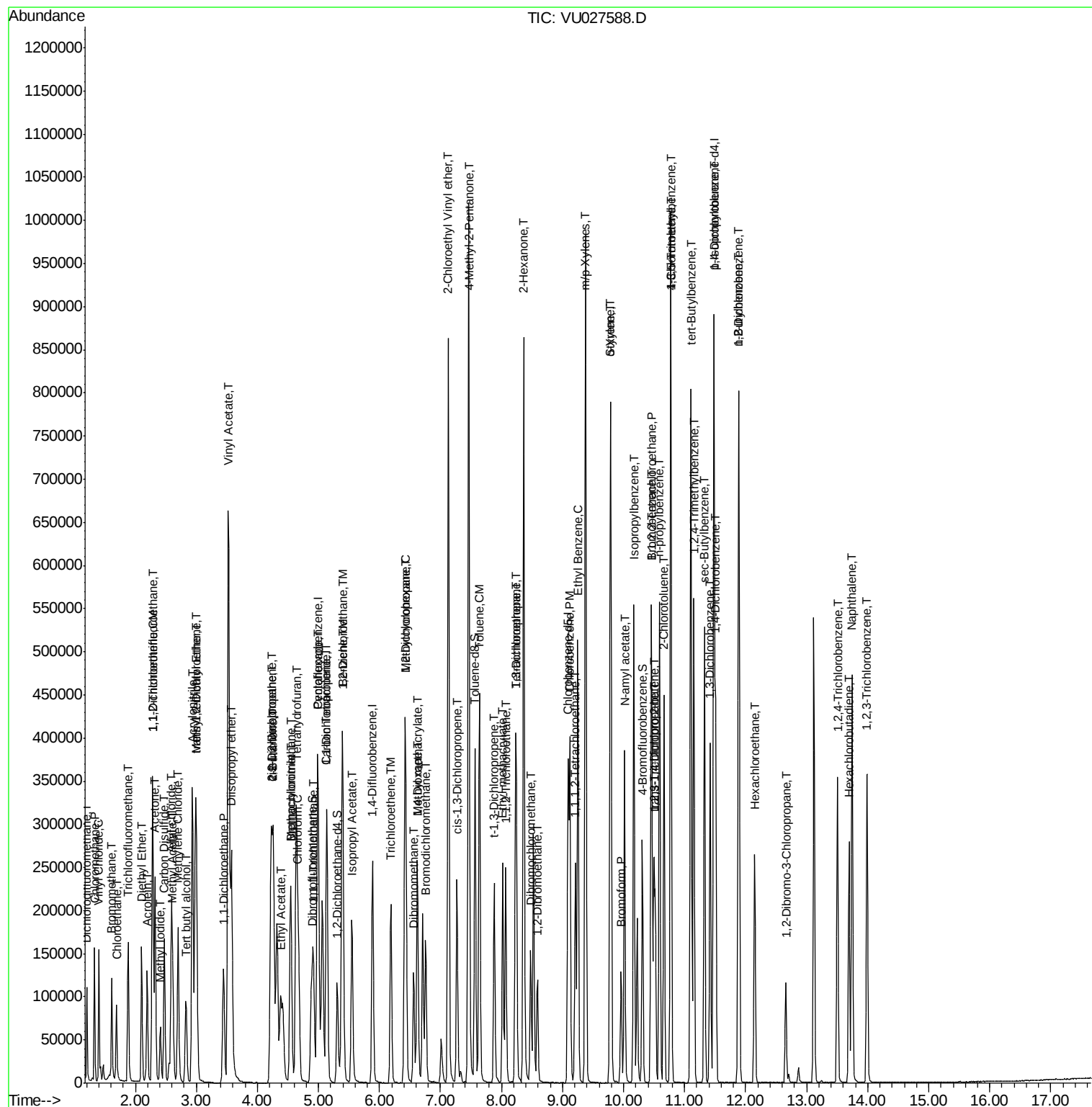
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Data File : VU027588.D
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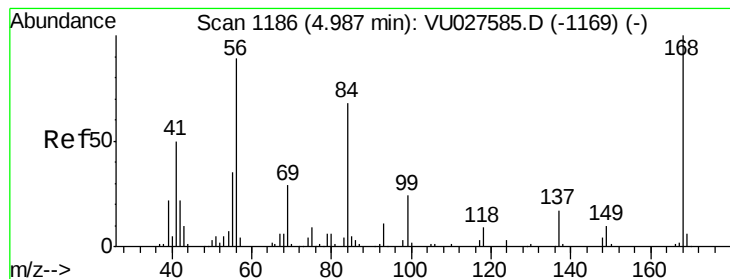
Instrument :
MSVOA_U
Client Sampled :
ICVVU101118

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Oct 12 09:38:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

ICVVU101118

Tgt Ion:168 Resp: 124252

Ion Ratio Lower Upper

168 100

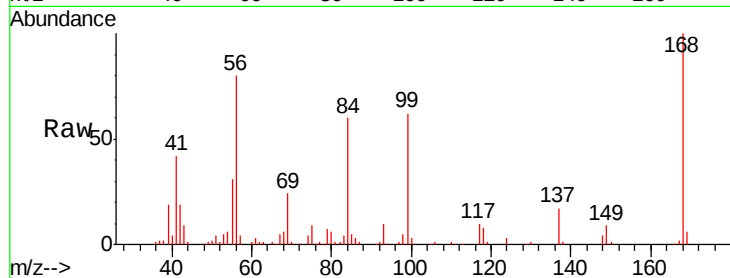
99 61.5 50.8 76.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027585.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027585.D (-1169) (-)

4.98

60000

50000

40000

30000

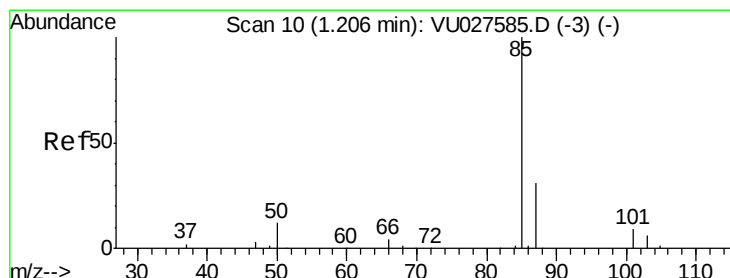
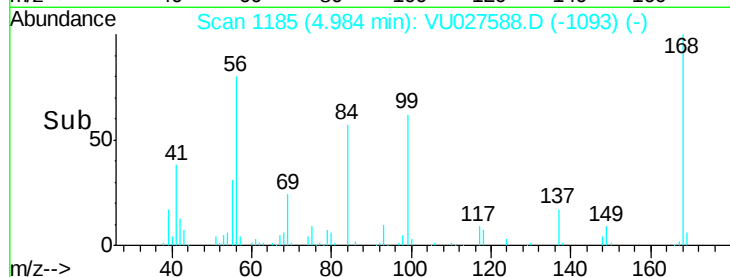
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.57 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027588.D

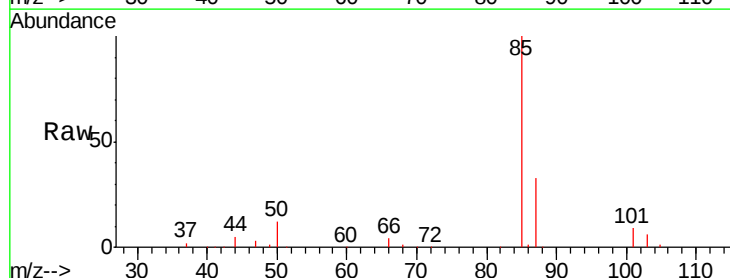
Acq: 11 Oct 2018 10:57

Tgt Ion: 85 Resp: 62936

Ion Ratio Lower Upper

85 100

87 32.6 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027585.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027585.D (-3) (-)

1.21

60000

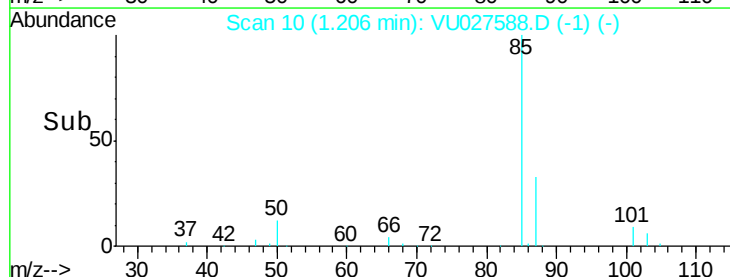
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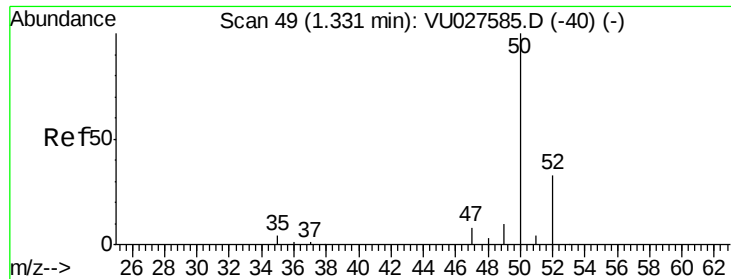
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 46.98 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

ICVVU101118

Tgt Ion: 50 Resp: 99464

Ion Ratio Lower Upper

50 100

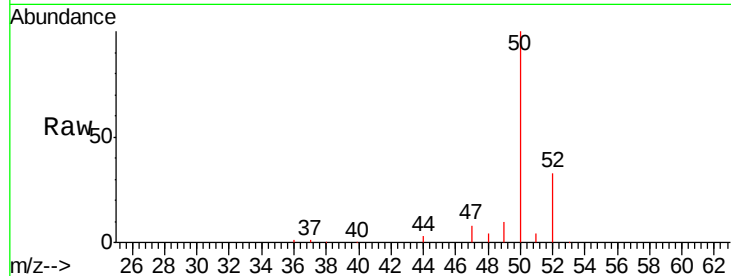
52 33.2 26.5 39.7

Manual Integrations

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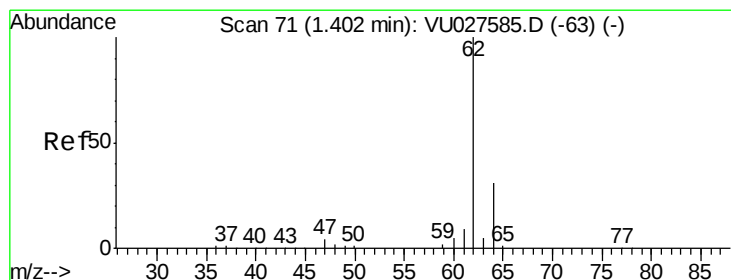
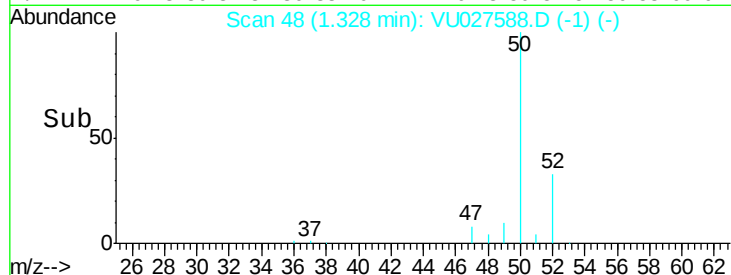
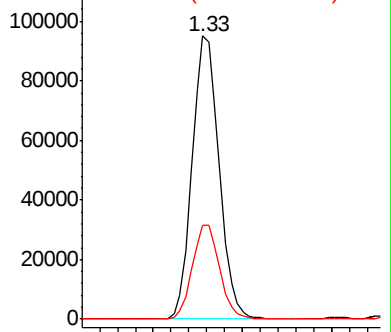
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 48.17 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027588.D

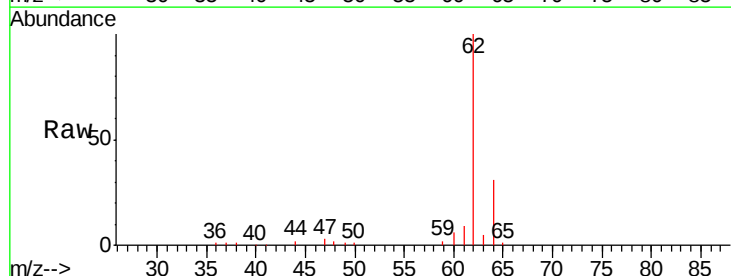
Acq: 11 Oct 2018 10:57

Tgt Ion: 62 Resp: 95854

Ion Ratio Lower Upper

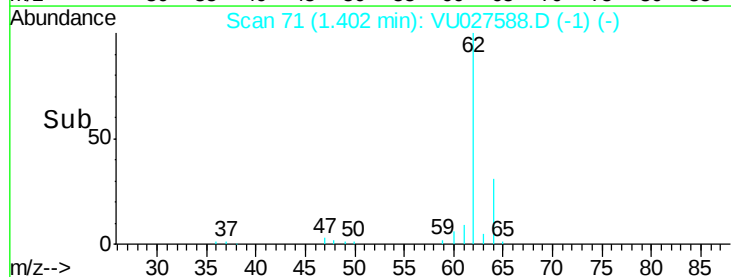
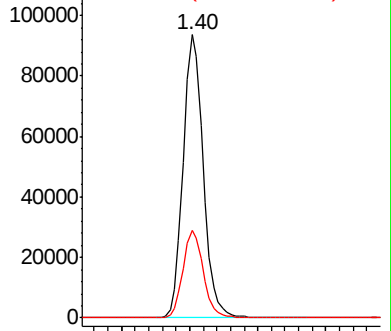
62 100

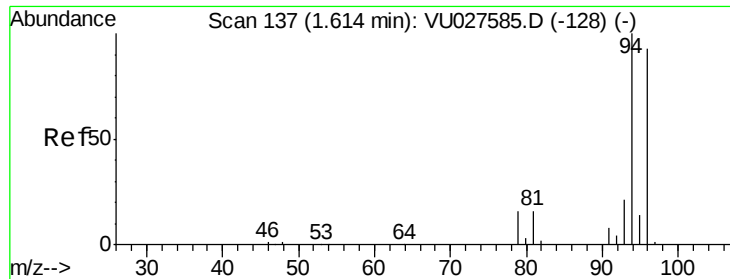
64 30.8 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 46.73 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

ICVVU101118

Tgt Ion: 94 Resp: 50477

Ion Ratio Lower Upper

94 100

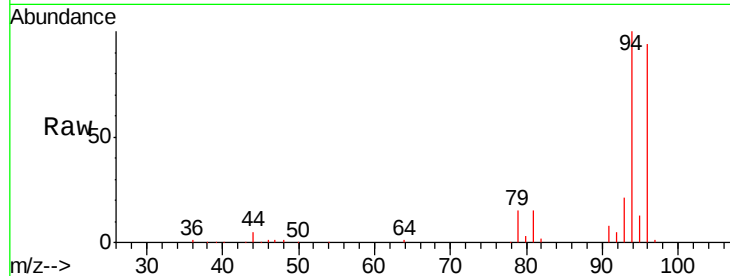
96 94.3 74.6 111.8

Manual Integrations

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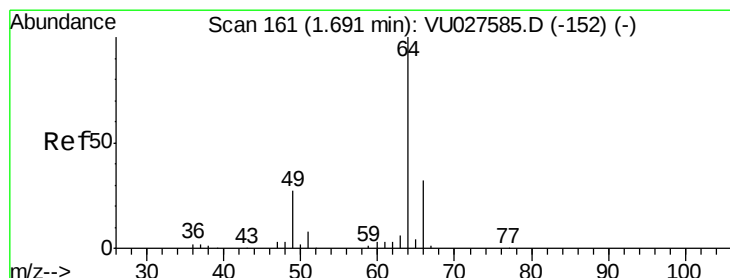
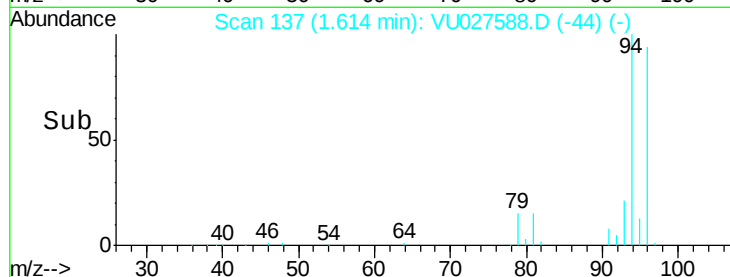


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

Time-->



#6

Chloroethane

Concen: 46.84 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.00 min

Lab File: VU027588.D

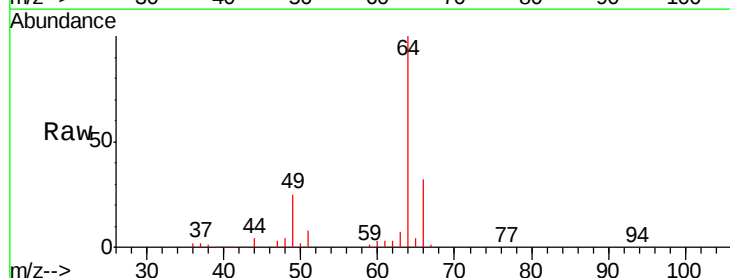
Acq: 11 Oct 2018 10:57

Tgt Ion: 64 Resp: 59281

Ion Ratio Lower Upper

64 100

66 32.1 24.6 36.8

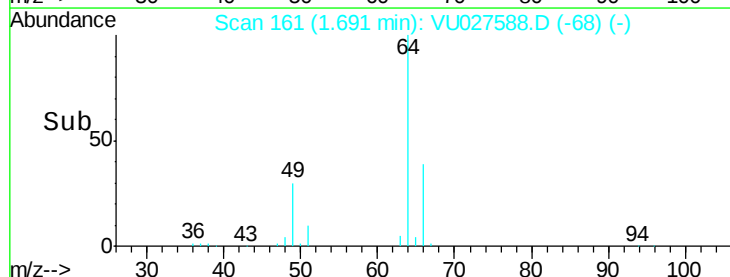


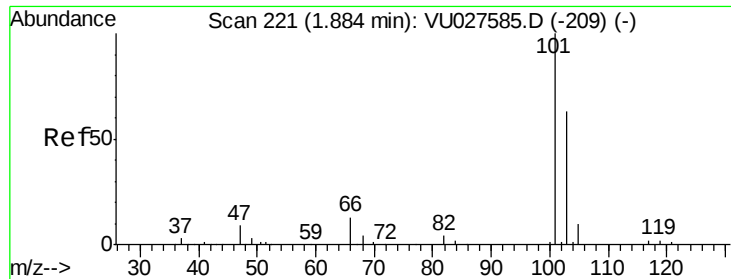
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

Time-->





#7

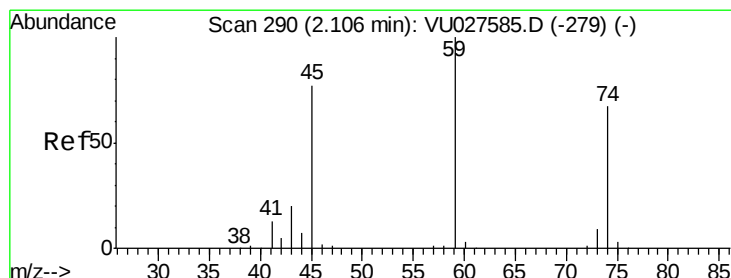
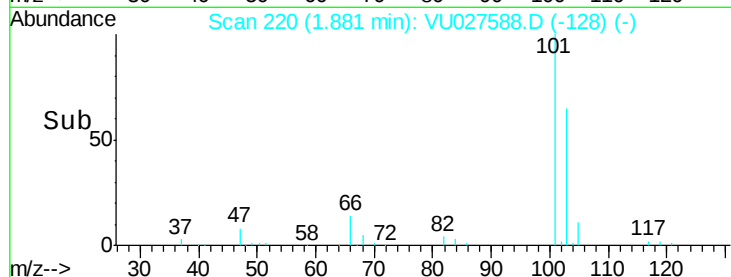
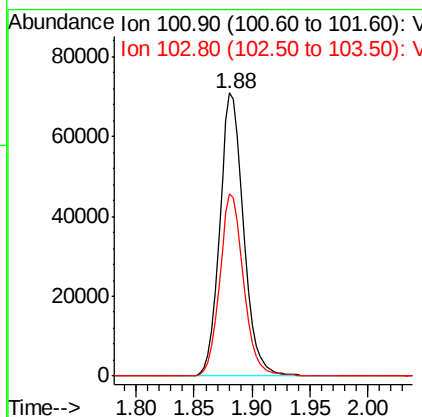
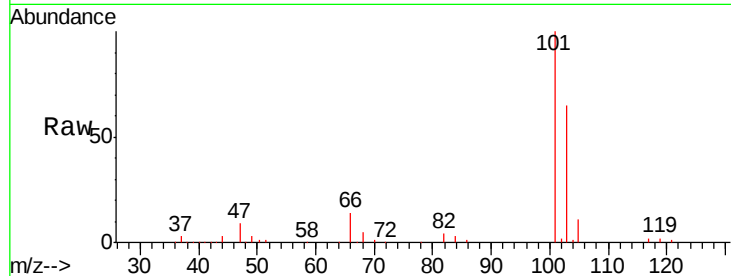
Trichlorofluoromethane
 Concen: 46.11 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Tgt Ion: 101 Resp: 102509
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.6 78.8

Manual Integrations
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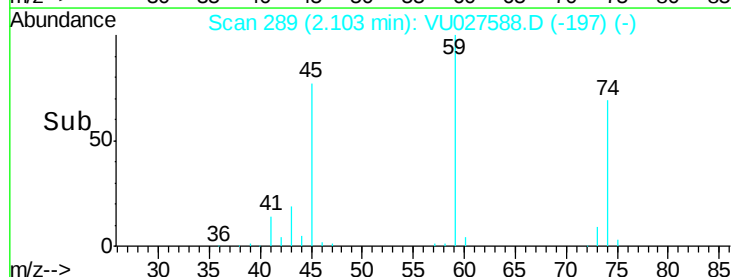
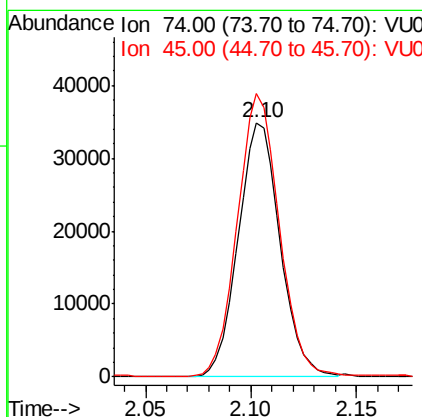
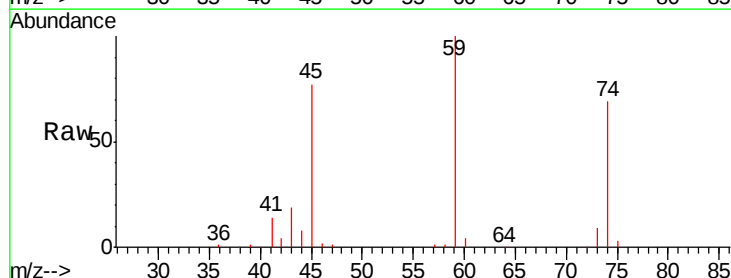
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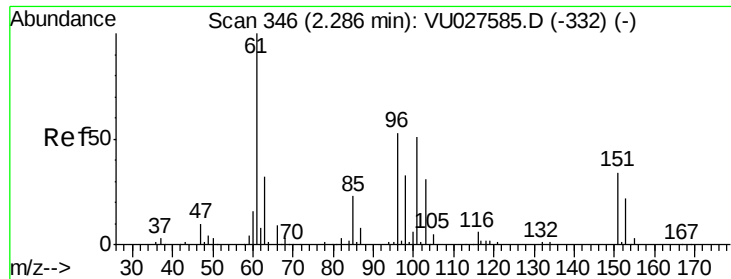


#8

Diethyl Ether
 Concen: 47.97 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Tgt Ion: 74 Resp: 48107
 Ion Ratio Lower Upper
 74 100
 45 112.1 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.92 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Instrument :

MSVOA_U

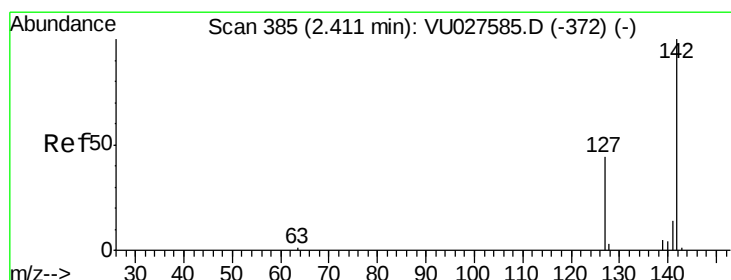
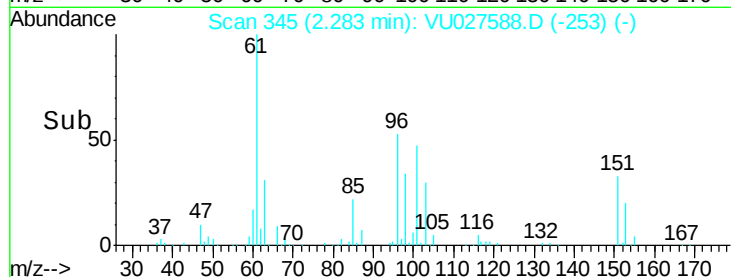
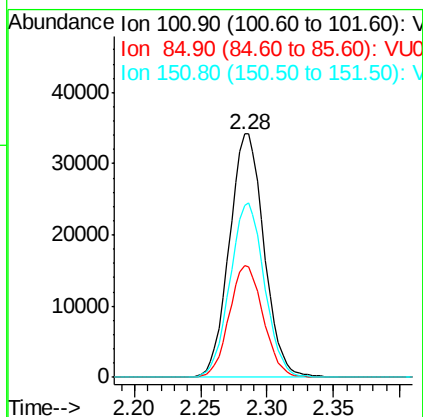
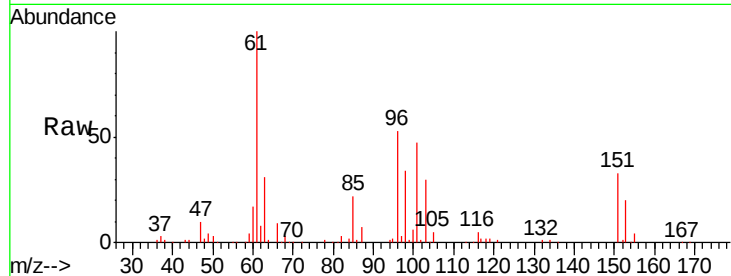
ClientSampleId :

ICVVU101118

Tgt Ion:	101	Resp:	62295
Ion Ratio	Lower	Upper	
101	100		
85	45.1	37.5	56.3
151	71.1	55.6	83.4

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#10

Methyl Iodide

Concen: 41.43 ug/l

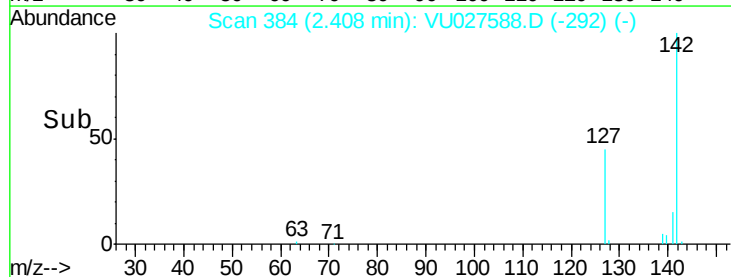
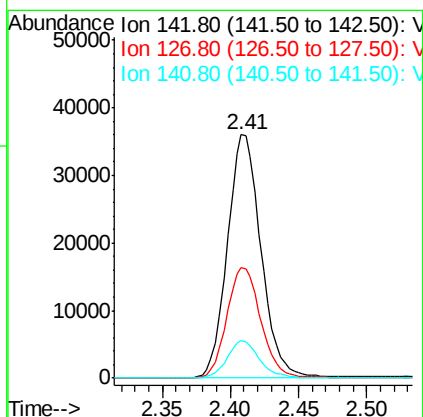
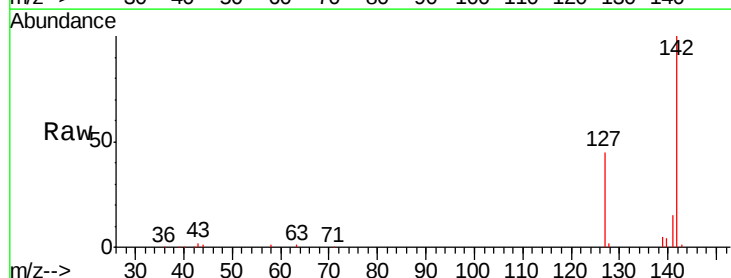
RT: 2.41 min Scan# 384

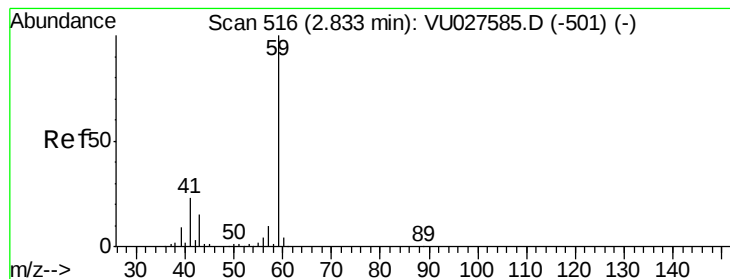
Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Tgt Ion:	142	Resp:	61889
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.3	54.5
141	14.5	11.6	17.4





#11

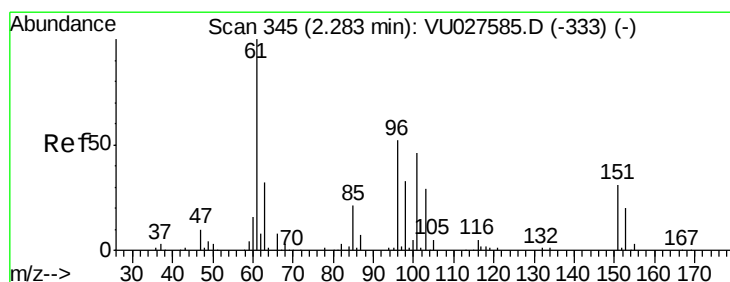
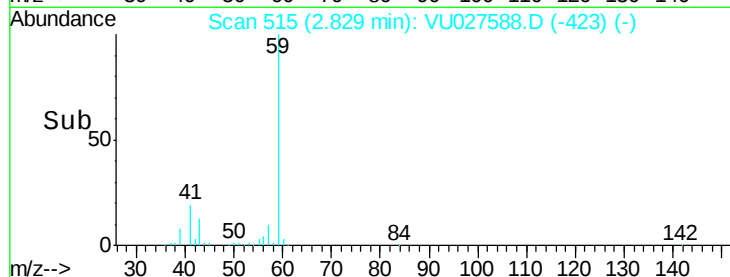
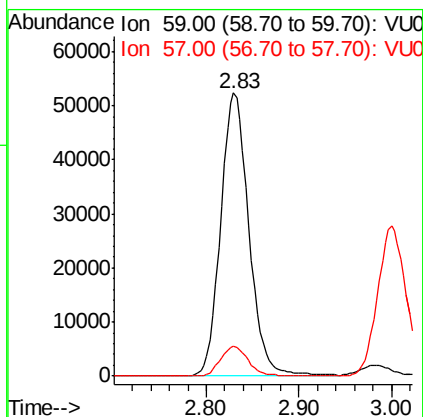
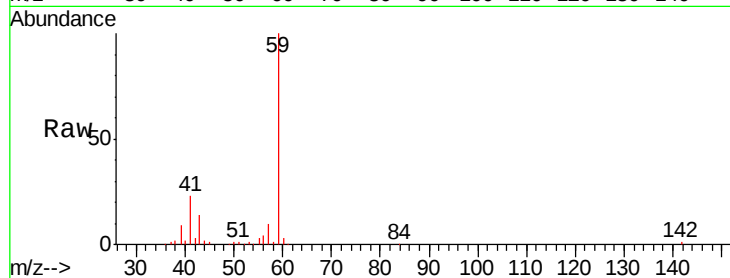
Tert butyl alcohol
Concen: 236.04 ug/l
RT: 2.83 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion: 59 Resp: 110654
Ion Ratio Lower Upper
59 100
57 10.2 8.4 12.6

Manual Integrations
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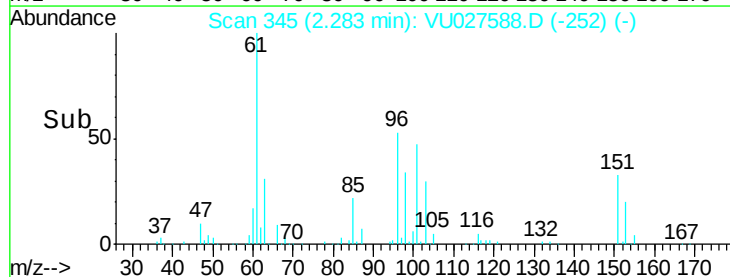
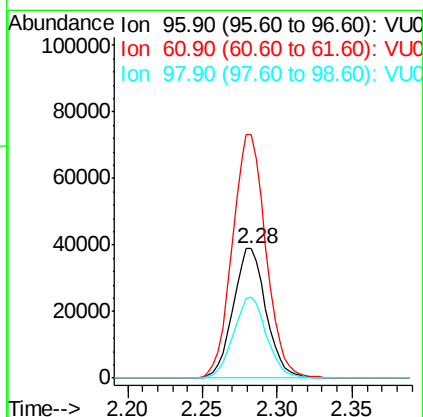
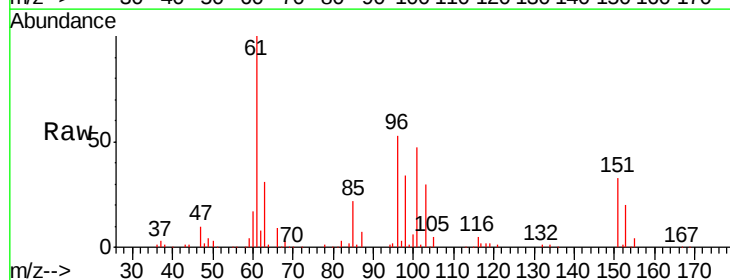
MMDadoda
10/16/2018 2:22:55 PM

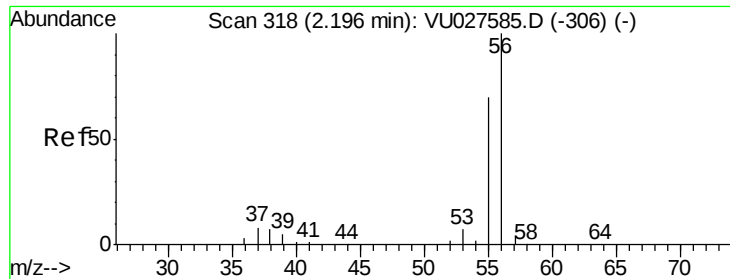


#12

1,1-Dichloroethene
Concen: 46.91 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion: 96 Resp: 59821
Ion Ratio Lower Upper
96 100
61 188.1 153.0 229.6
98 63.1 49.3 73.9





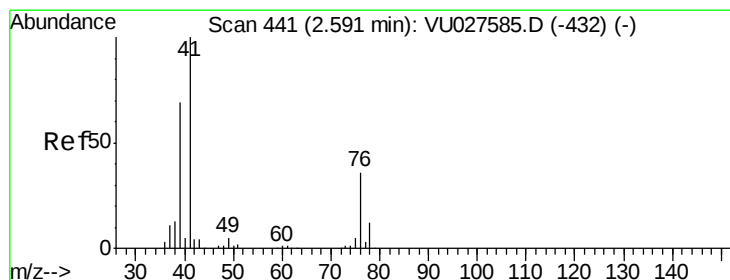
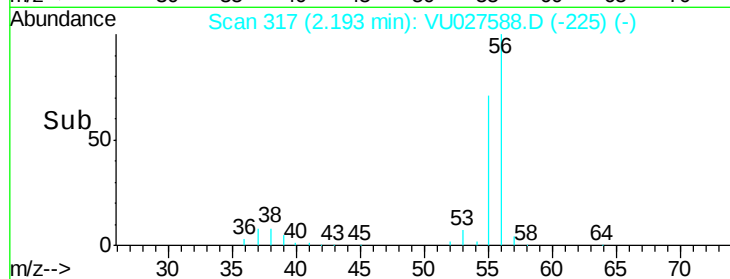
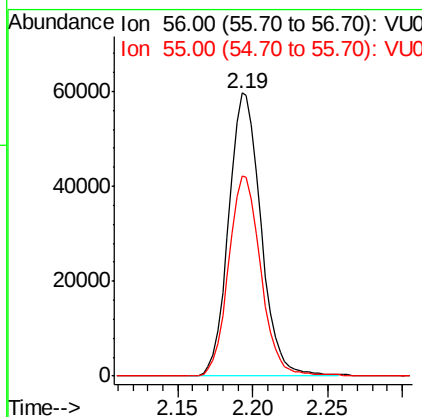
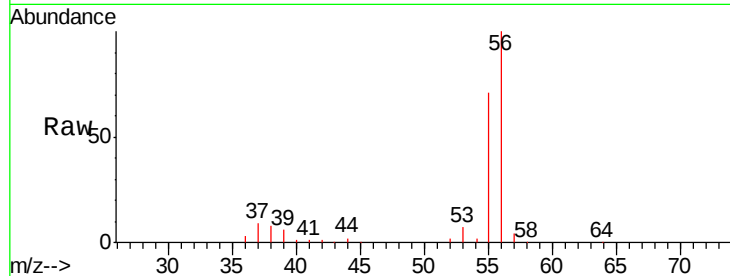
#13
Acrolein
Concen: 240.86 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.2	57.7	86.5

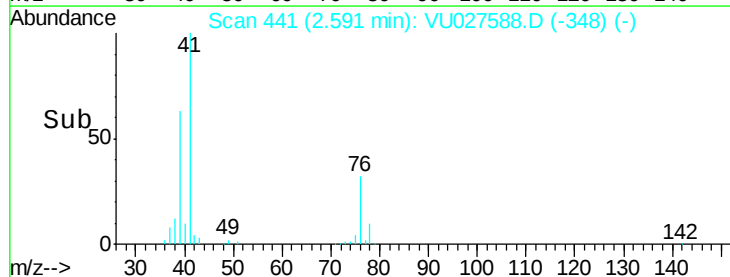
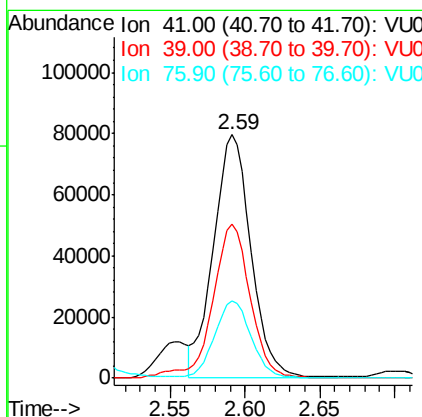
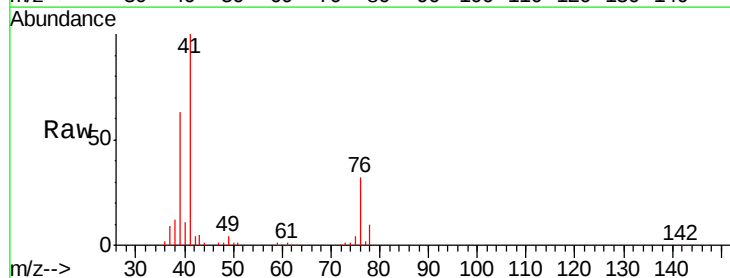
Manual Integrations
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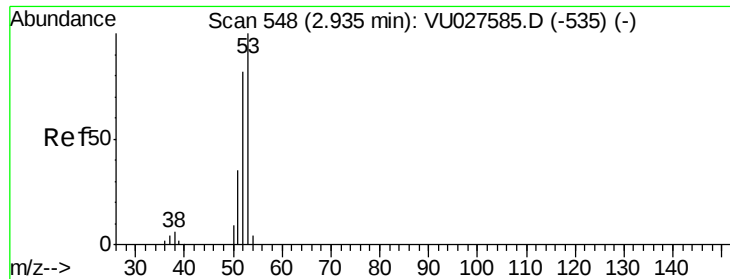
MMDadoda
10/16/2018 2:22:55 PM



#14
Allyl chloride
Concen: 44.99 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.4	51.8	77.8
76	31.2	25.9	38.9





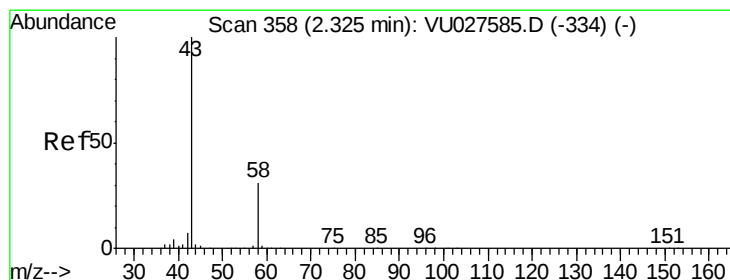
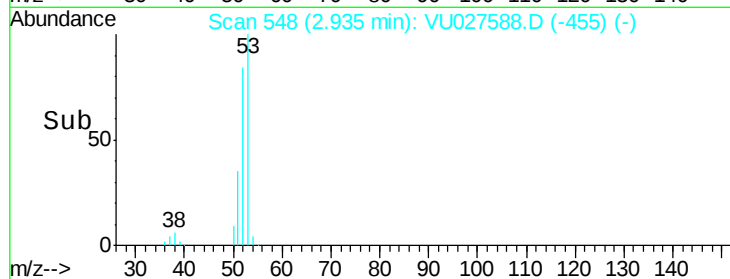
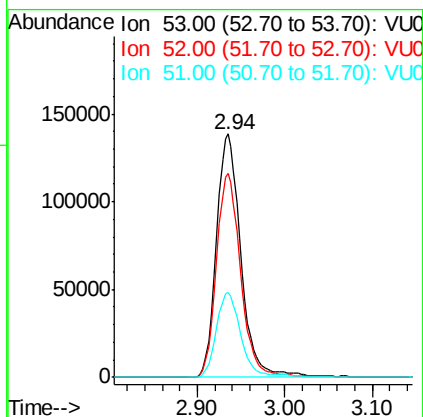
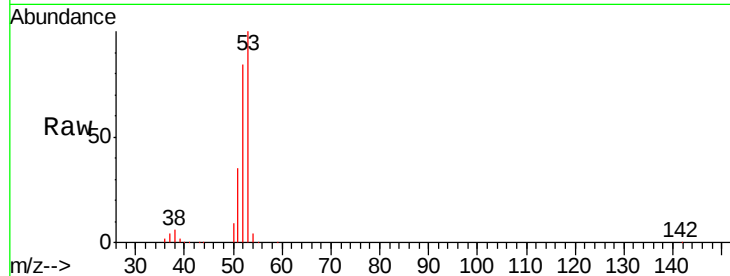
#15
 Acrylonitrile
 Concen: 242.05 ug/l
 RT: 2.94 min Scan# 548
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.5	99.7
51	35.4	27.6	41.4

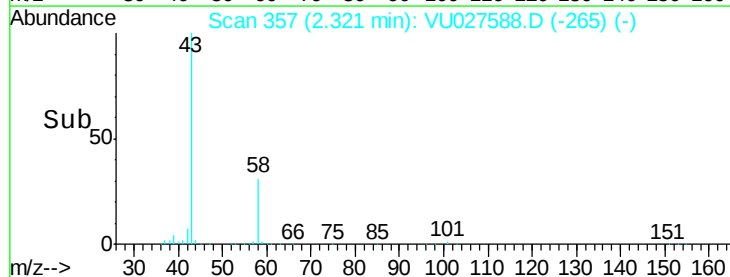
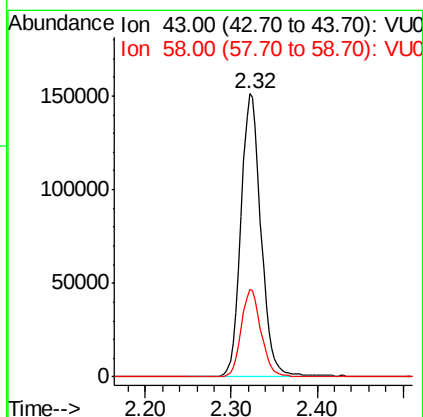
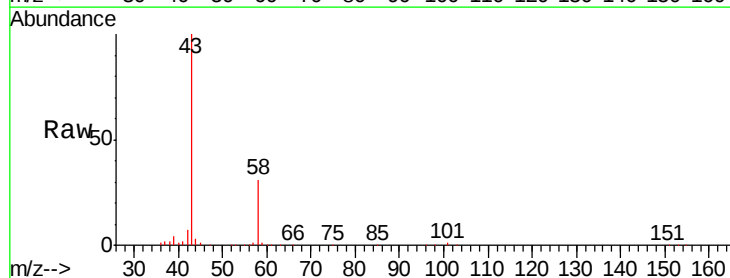
Manual Integrations
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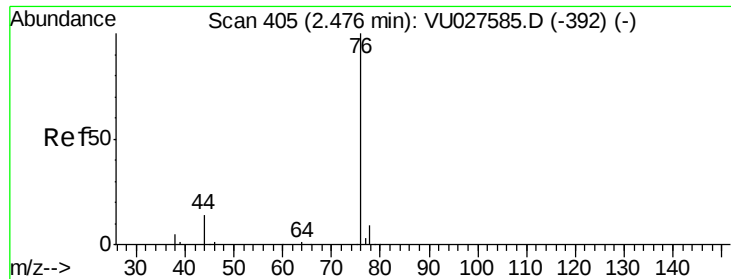
MMDadoda
 10/16/2018 2:22:55 PM



#16
 Acetone
 Concen: 209.87 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.2	36.4





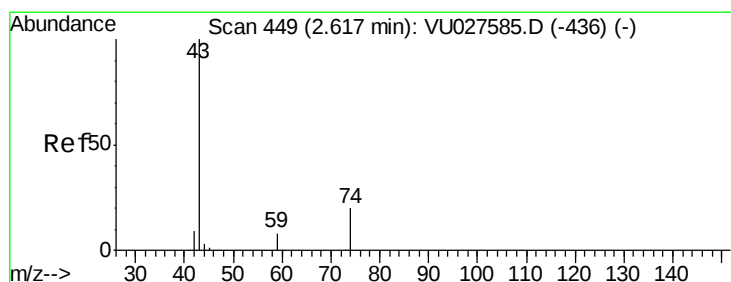
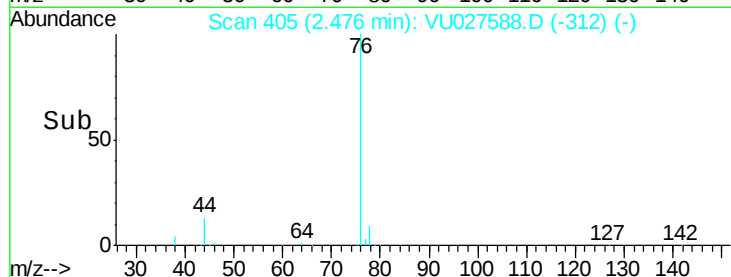
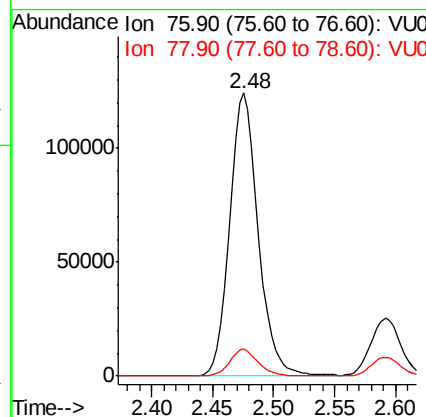
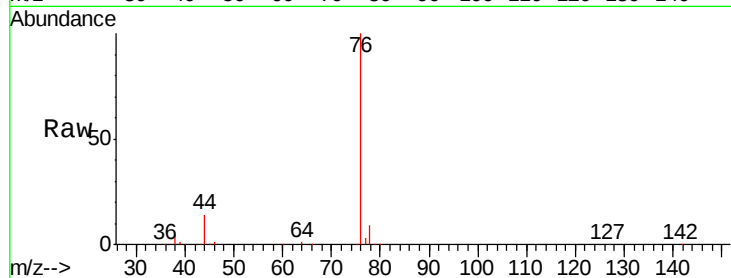
#17
Carbon Disulfide
Concen: 46.62 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

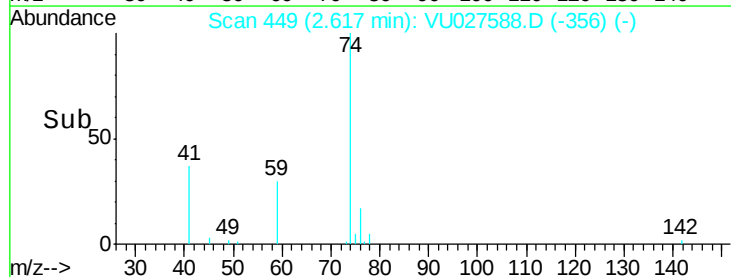
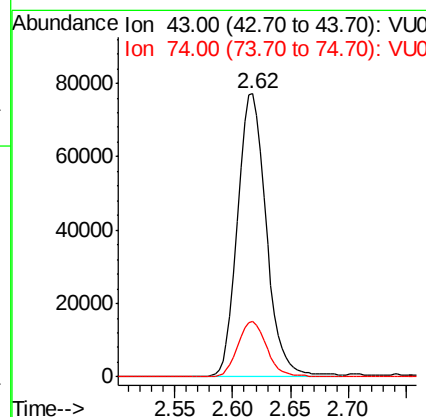
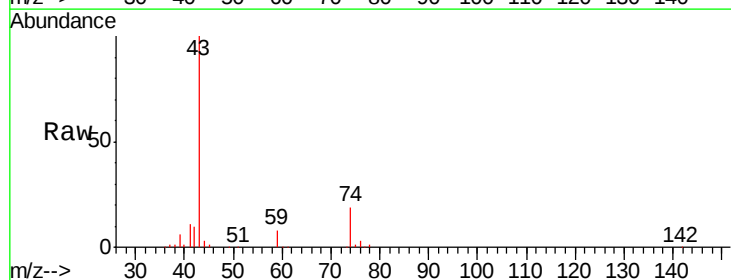
Manual Integrations
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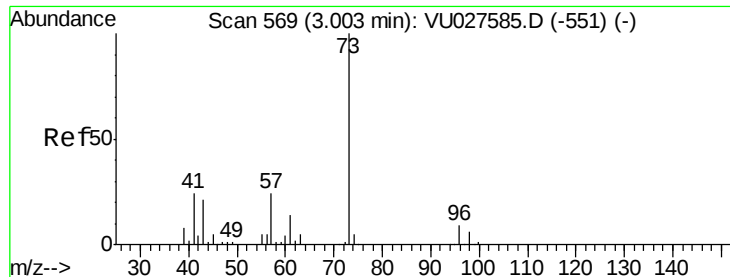
MMDadoda
10/16/2018 2:22:55 PM



#18
Methyl Acetate
Concen: 44.89 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	16.5	24.7





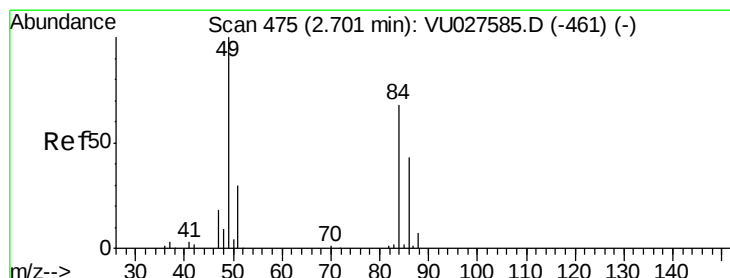
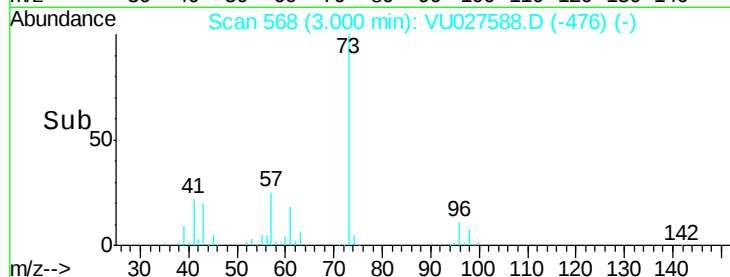
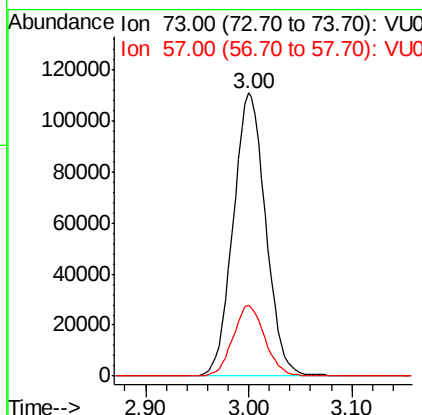
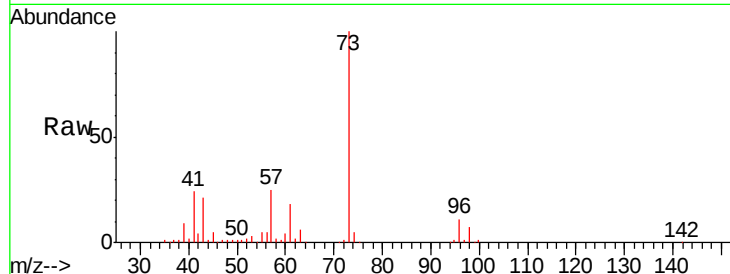
#19
Methyl tert-butyl Ether
Concen: 49.49 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion: 73 Resp: 242885
Ion Ratio Lower Upper
73 100
57 25.1 20.0 30.0

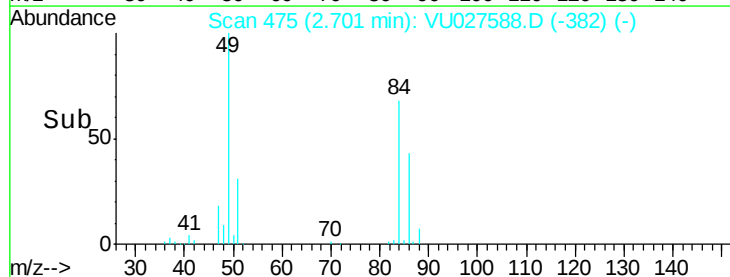
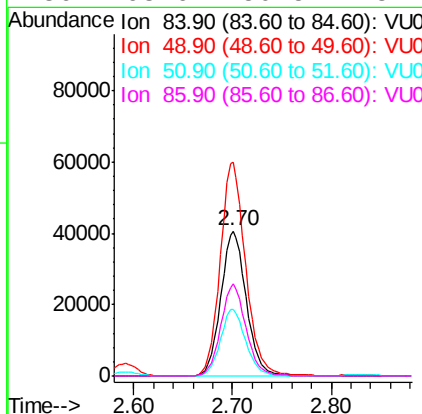
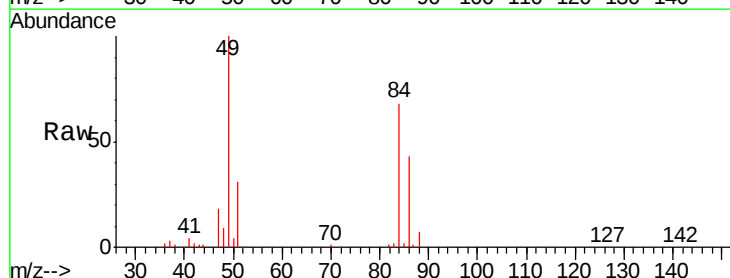
Manual Integrations
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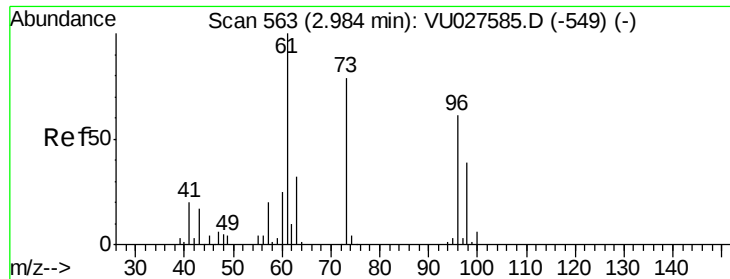
MMDadoda
10/16/2018 2:22:55 PM



#20
Methylene Chloride
Concen: 44.47 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion: 84 Resp: 73800
Ion Ratio Lower Upper
84 100
49 147.3 120.5 180.7
51 45.9 35.1 52.7
86 63.6 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 48.96 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

ICVVU101118

Tgt Ion: 96 Resp: 69004

Ion Ratio Lower Upper

96 100

61 166.6 129.4 194.2

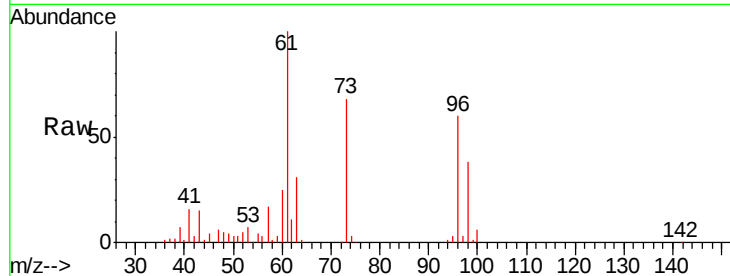
98 62.7 51.2 76.8

Manual Integrations

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MMDadoda

10/16/2018 2:22:55 PM

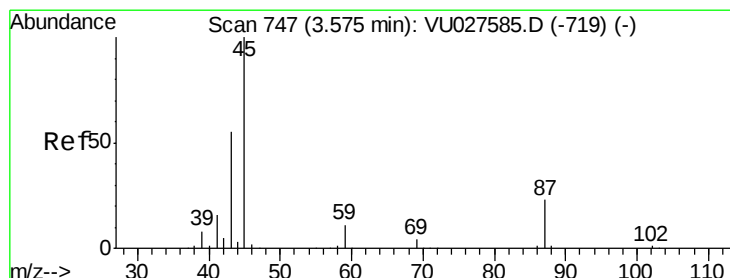
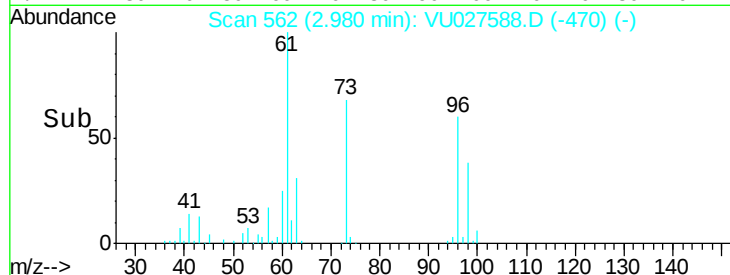
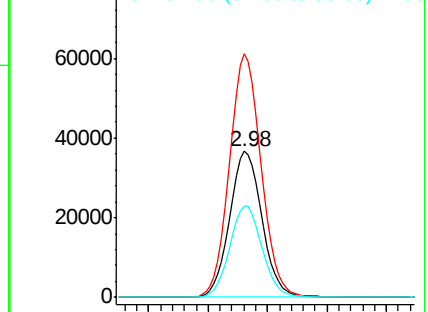


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 48.93 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Tgt Ion: 45 Resp: 289907

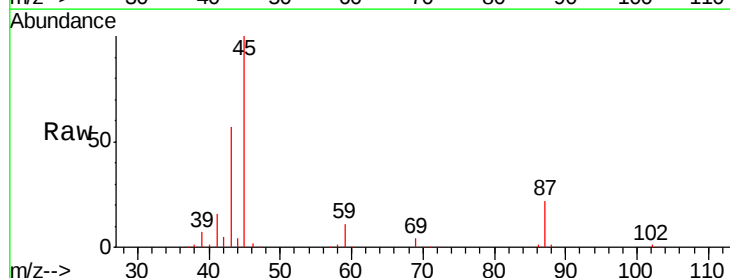
Ion Ratio Lower Upper

45 100

43 55.6 43.4 65.2

87 22.0 17.5 26.3

59 10.8 8.6 13.0



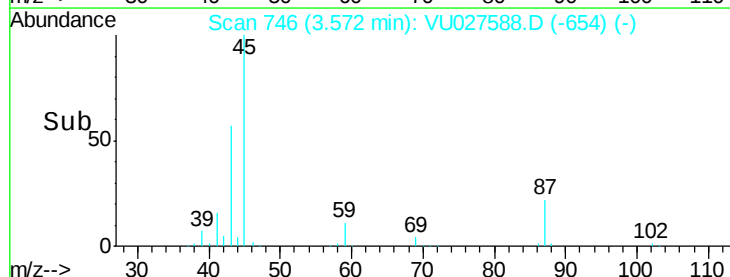
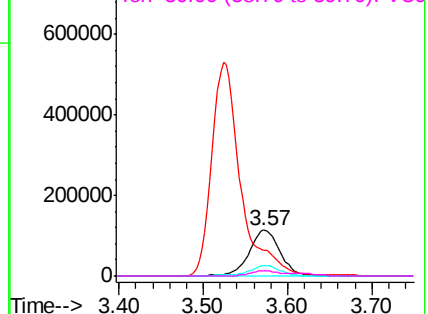
Abundance

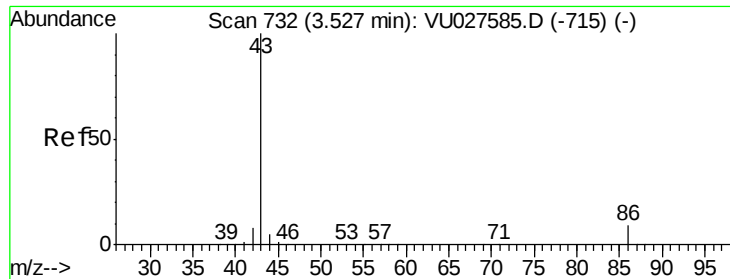
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 253.23 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

ICVVU101118

Tgt Ion: 43 Resp: 1269069

Ion Ratio Lower Upper

43 100

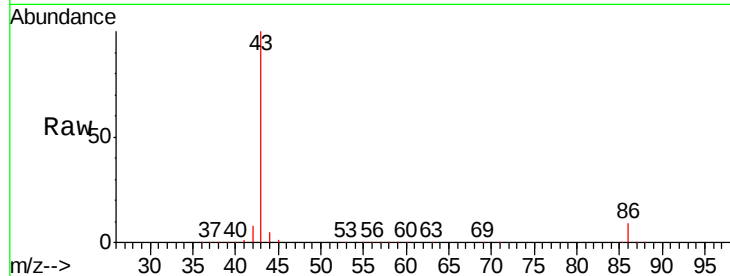
86 9.0 7.0 10.4

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

600000

500000

400000

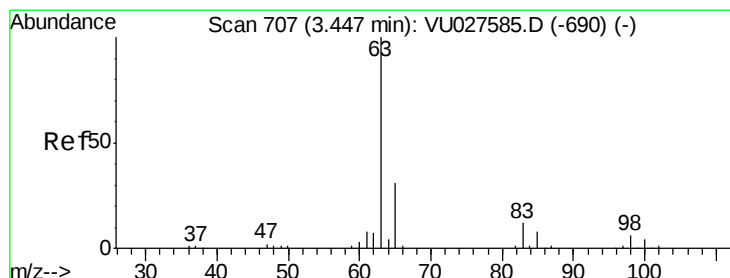
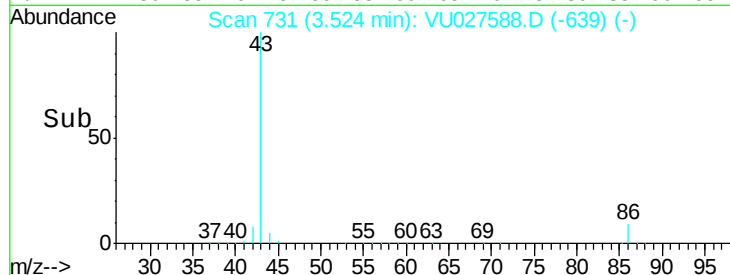
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.16 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

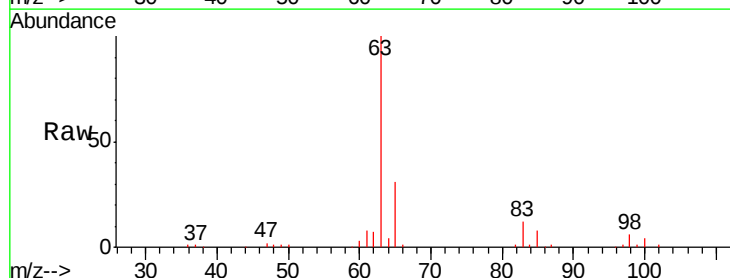
Tgt Ion: 63 Resp: 151062

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

80000

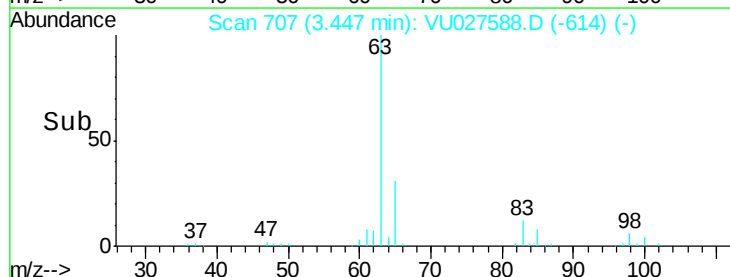
60000

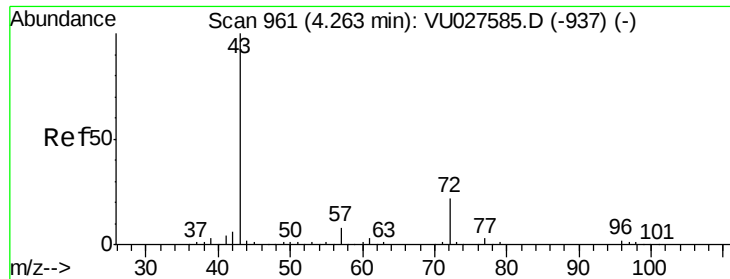
40000

20000

0

Time-->





#25

2-Butanone

Concen: 240.60 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

ICVVU101118

Tgt Ion: 43 Resp: 399778

Ion Ratio Lower Upper

43 100

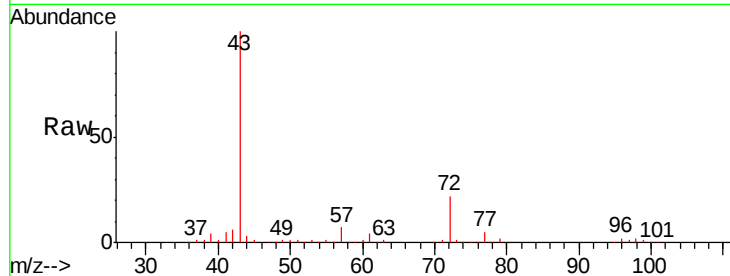
72 22.2 17.8 26.6

Manual Integrations

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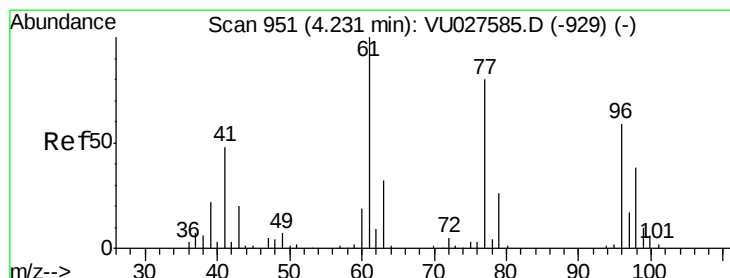
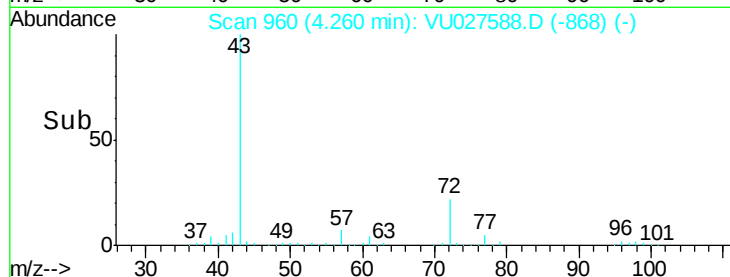
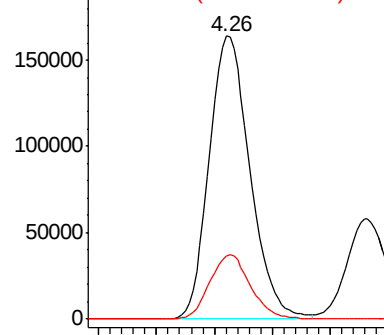
MMDadoda

10/16/2018 2:22:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 47.39 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.01 min

Lab File: VU027588.D

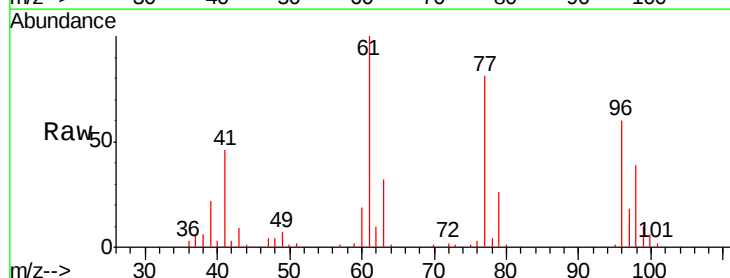
Acq: 11 Oct 2018 10:57

Tgt Ion: 77 Resp: 119134

Ion Ratio Lower Upper

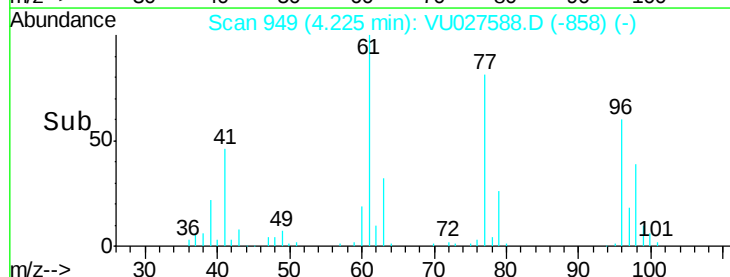
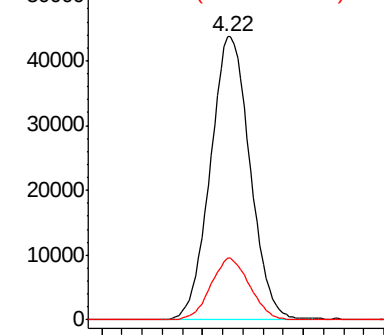
77 100

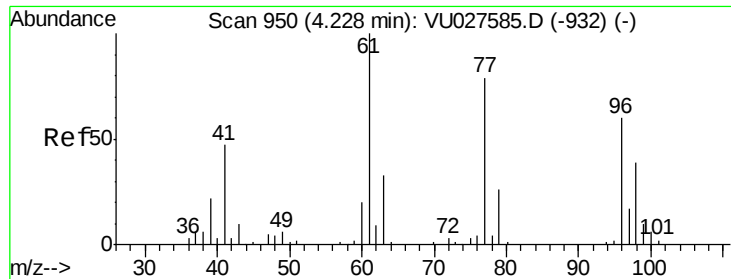
97 21.5 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





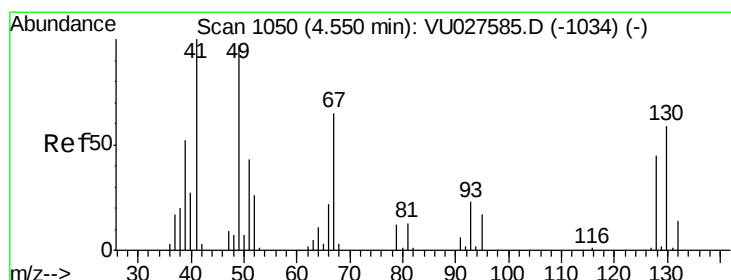
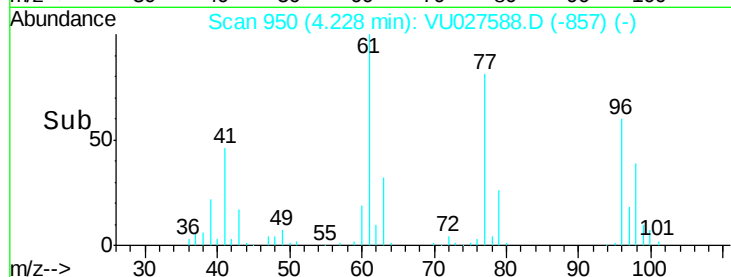
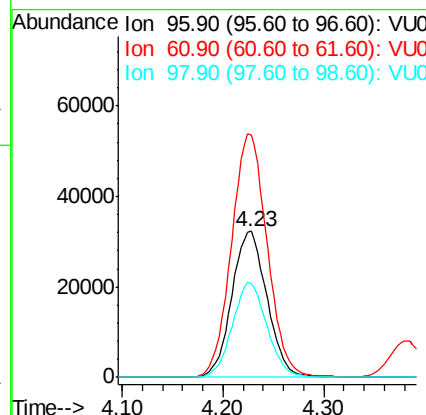
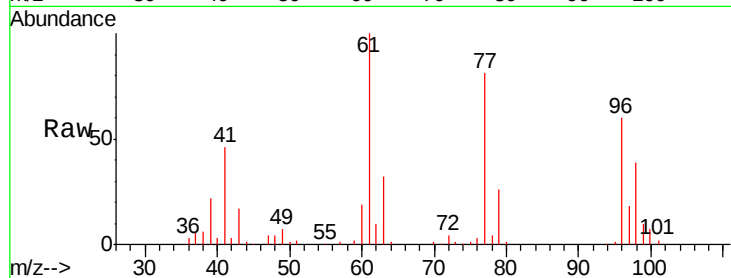
#27
 cis-1,2-Dichloroethene
 Concen: 50.16 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	78392		
61	169.8	0.0	343.8	
98	64.2	0.0	129.0	

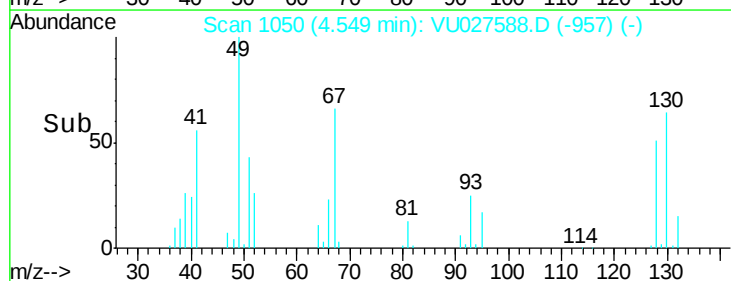
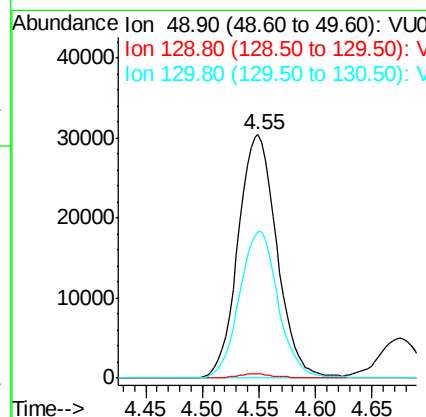
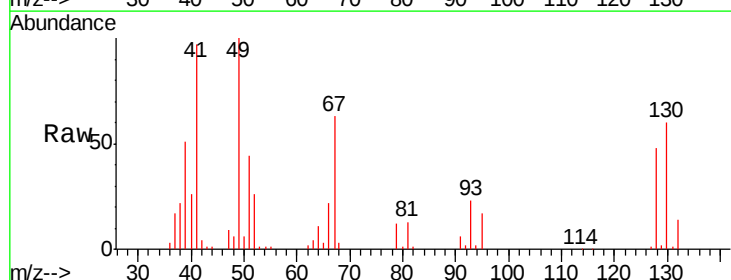
Manual Integrations
 APPROVED

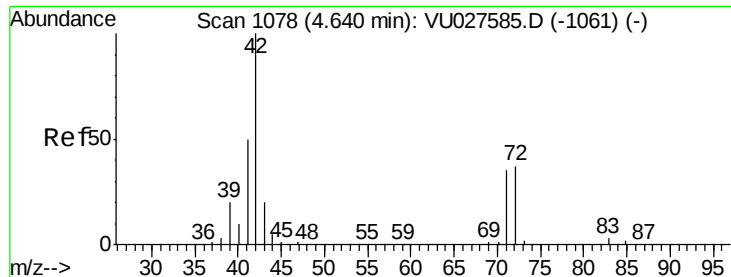
MMDadoda
 10/16/2018 2:22:55 PM



#28
 Bromochloromethane
 Concen: 46.87 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	72546		
129	1.6	0.0	3.0	
130	60.1	46.1	69.1	





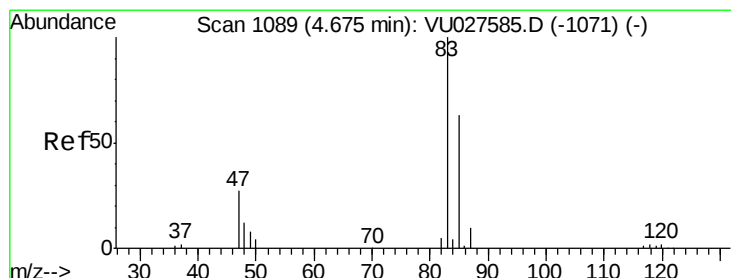
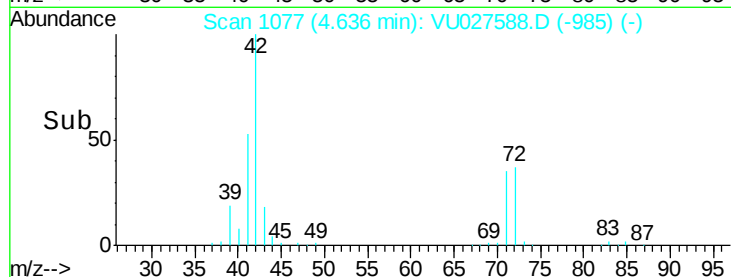
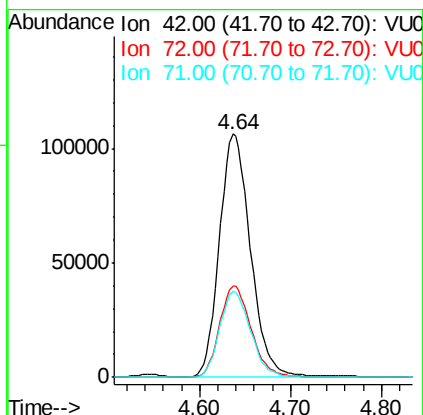
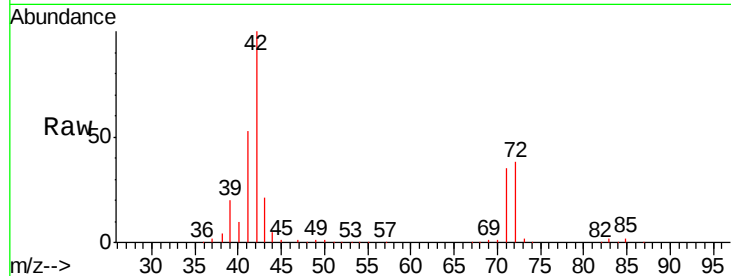
#29
Tetrahydrofuran
Concen: 241.50 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.1	45.1
71	35.4	27.7	41.5

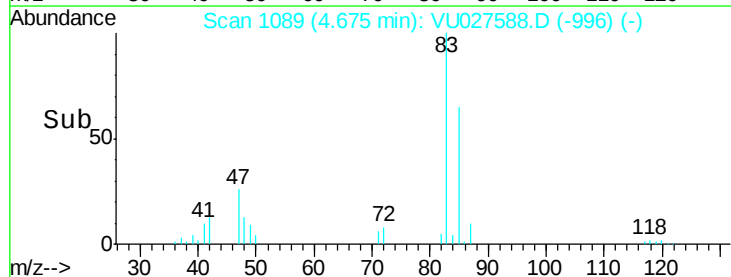
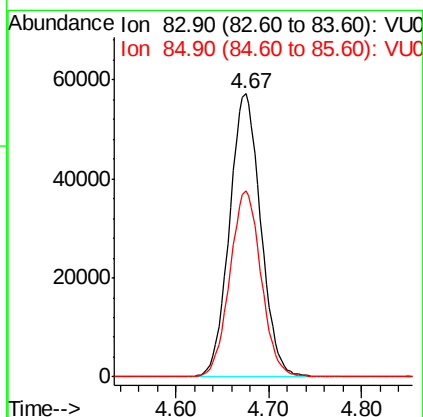
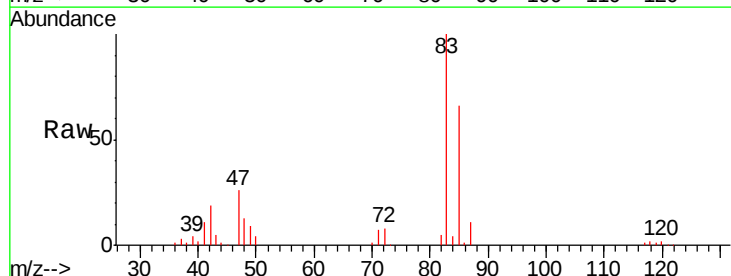
Manual Integrations
APPROVED

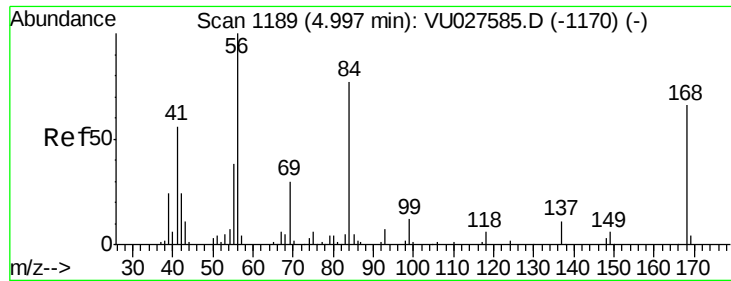
MMDadoda
10/16/2018 2:22:55 PM



#30
Chloroform
Concen: 48.04 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6





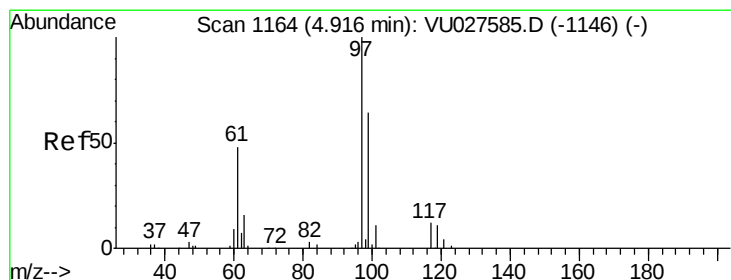
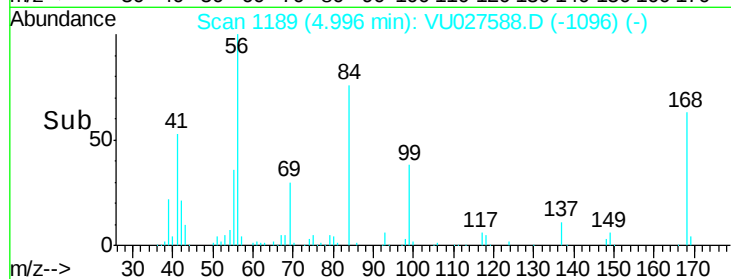
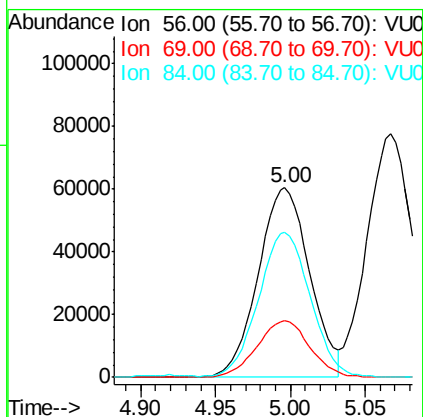
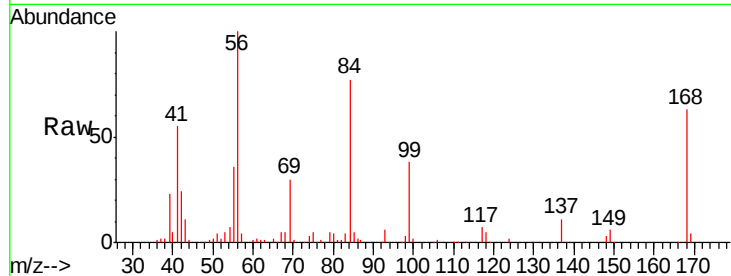
#31
Cyclohexane
Concen: 48.45 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.1	36.1
84	76.0	59.1	88.7

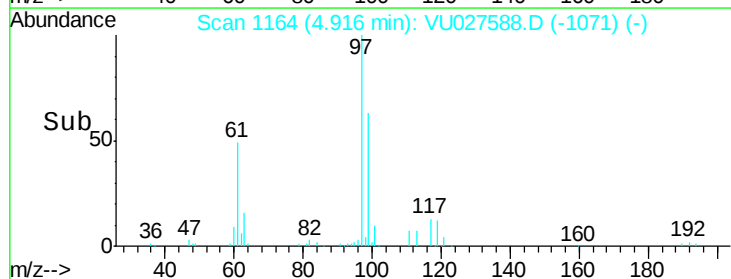
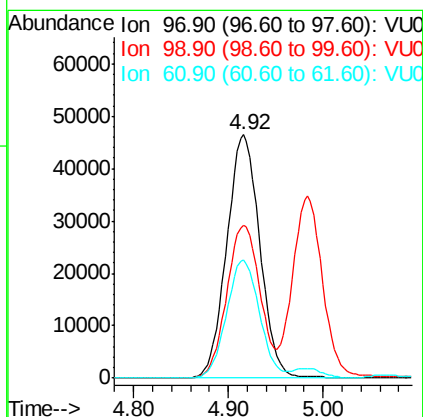
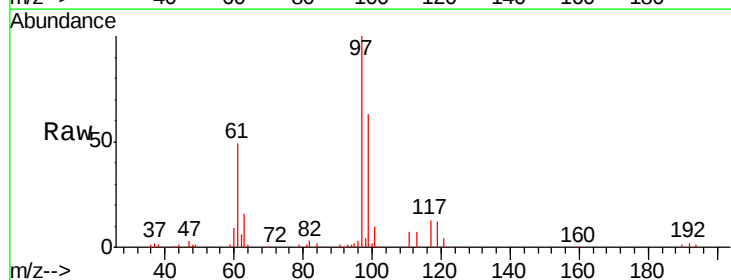
Manual Integrations
APPROVED

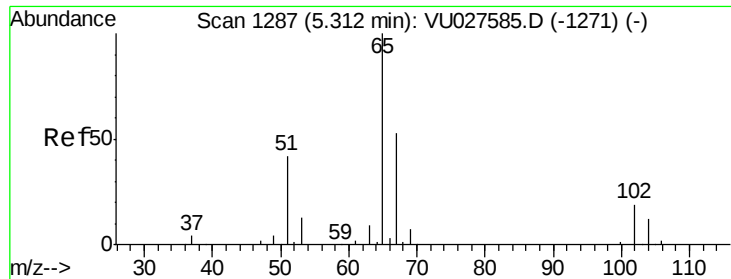
MMDadoda
10/16/2018 2:22:55 PM



#32
1,1,1-Trichloroethane
Concen: 48.05 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.1	76.7
61	48.3	39.6	59.4





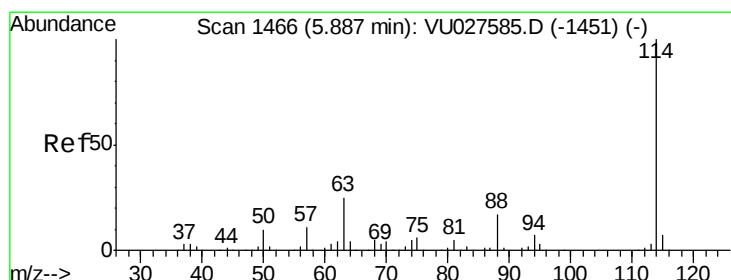
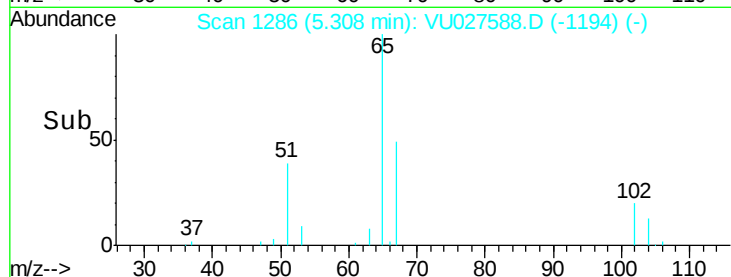
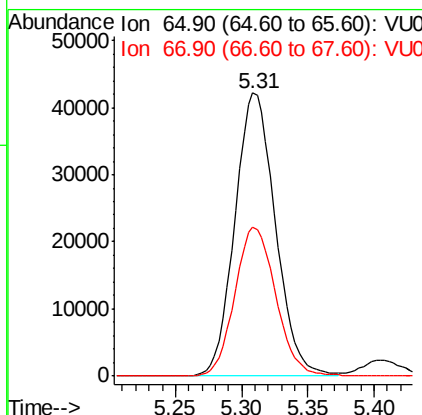
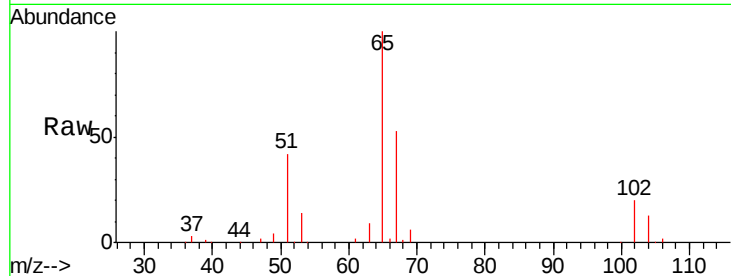
#33
 1,2-Dichloroethane-d4
 Concen: 46.61 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Tgt Ion: 65 Resp: 89641
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.8

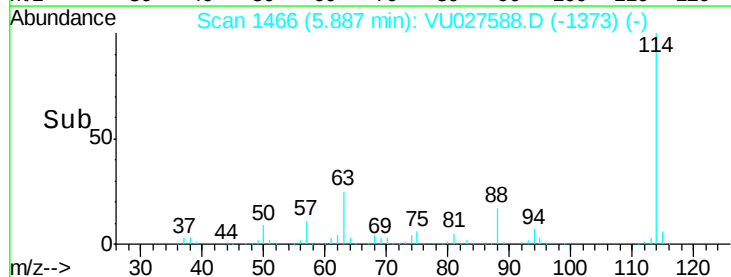
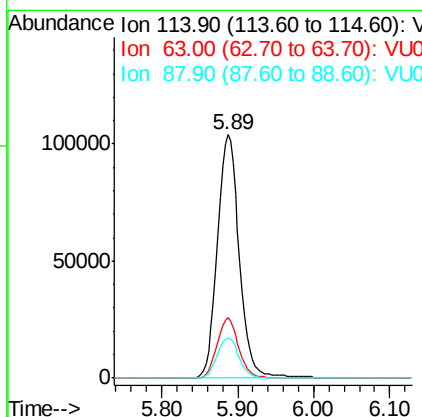
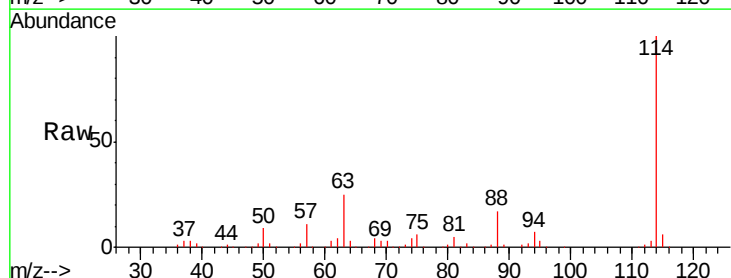
Manual Integrations
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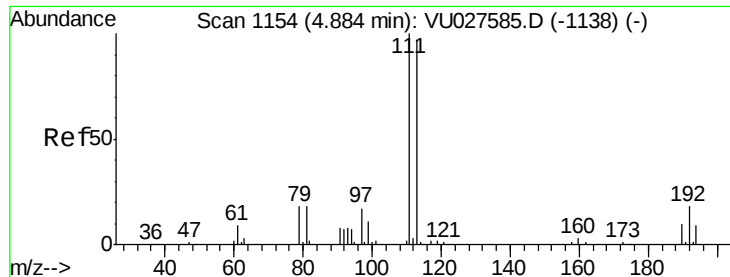
MMDadoda
 10/16/2018 2:22:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Tgt Ion: 114 Resp: 207512
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 50.2
 88 16.6 0.0 33.8





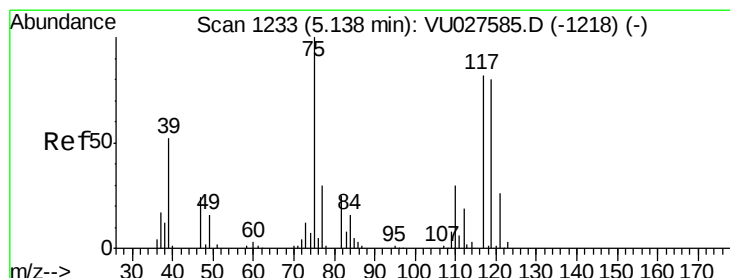
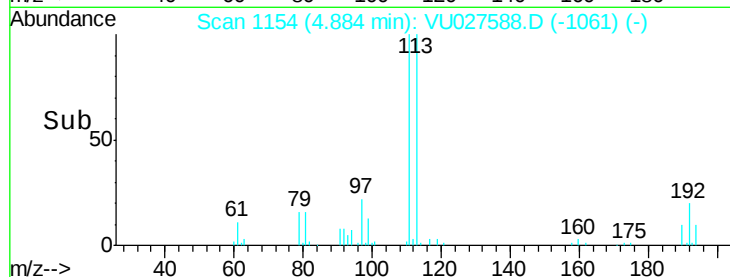
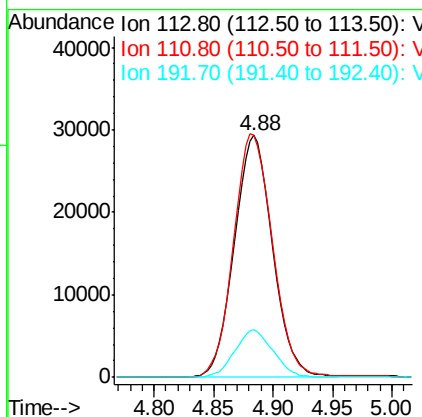
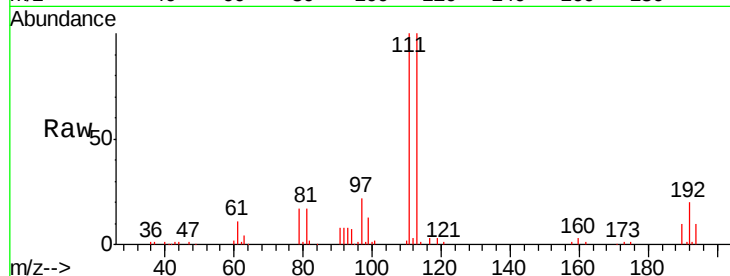
#35
 Dibromofluoromethane
 Concen: 47.55 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	65277		
111	102.6	83.1	124.7	
192	19.5	15.4	23.0	

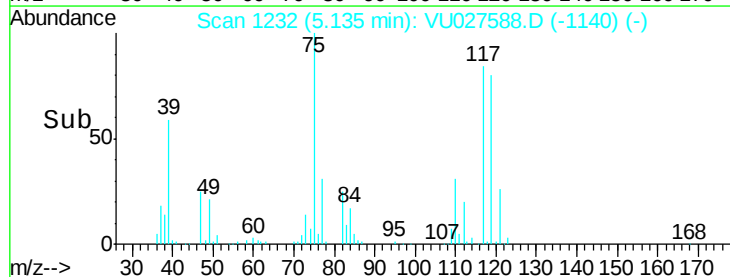
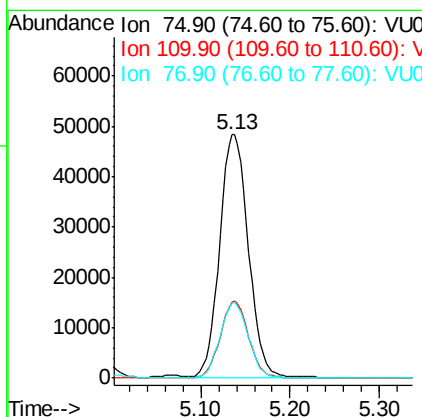
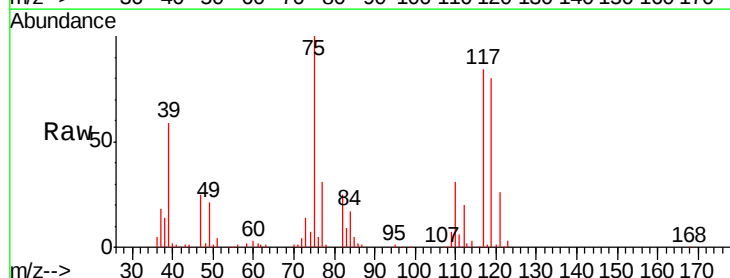
Manual Integrations
 APPROVED

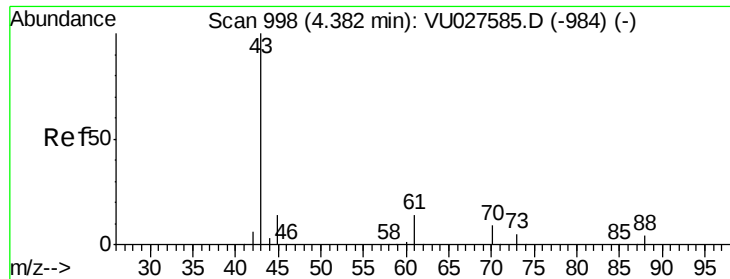
MMDadoda
 10/16/2018 2:22:55 PM



#36
 1,1-Dichloropropene
 Concen: 51.39 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	108327		
110	31.0	15.5	46.5	
77	30.5	25.4	38.0	





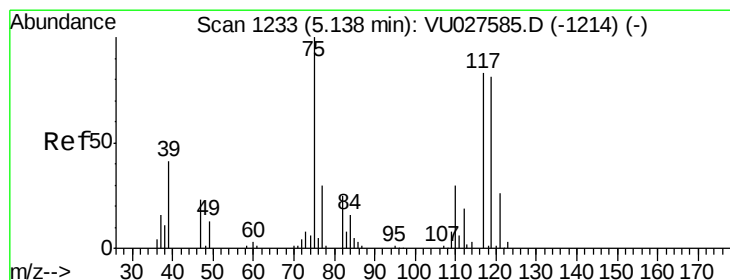
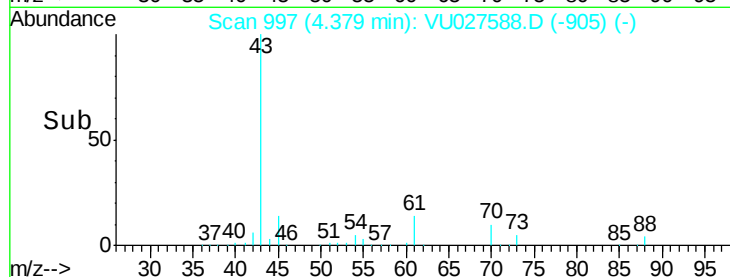
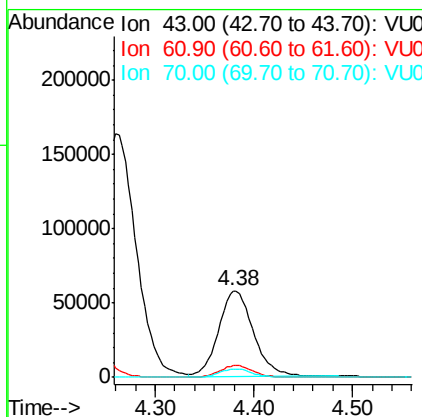
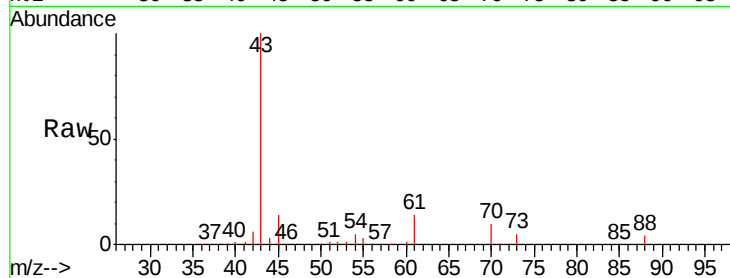
#37
Ethyl Acetate
Concen: 47.47 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion: 43 Resp: 143546
Ion Ratio Lower Upper
43 100
61 13.3 10.7 16.1
70 9.2 7.4 11.2

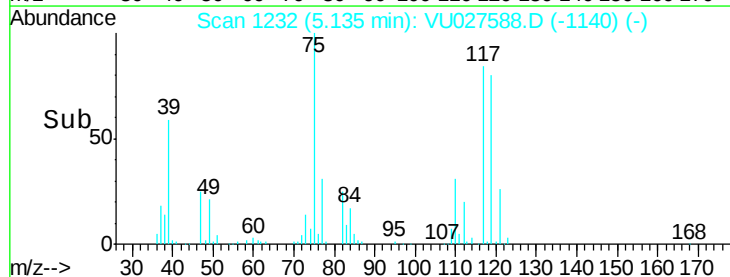
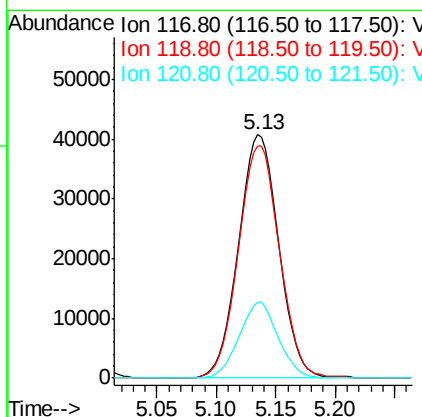
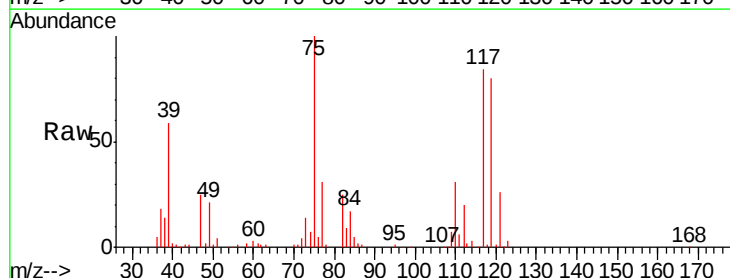
Manual Integrations
APPROVED

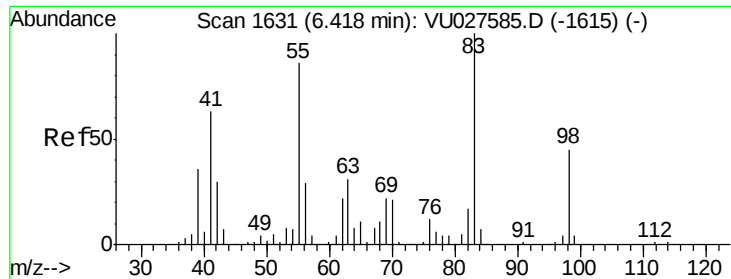
MMDadoda
10/16/2018 2:22:55 PM



#38
Carbon Tetrachloride
Concen: 49.10 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion: 117 Resp: 95416
Ion Ratio Lower Upper
117 100
119 95.2 74.5 111.7
121 31.3 24.6 37.0





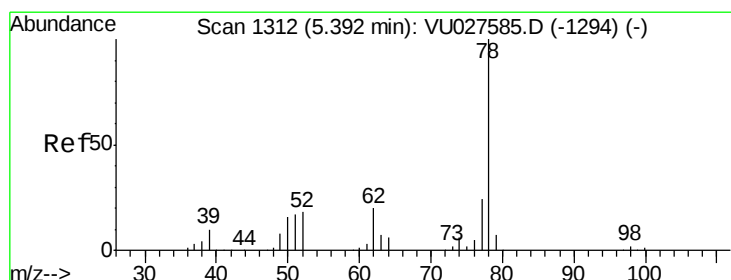
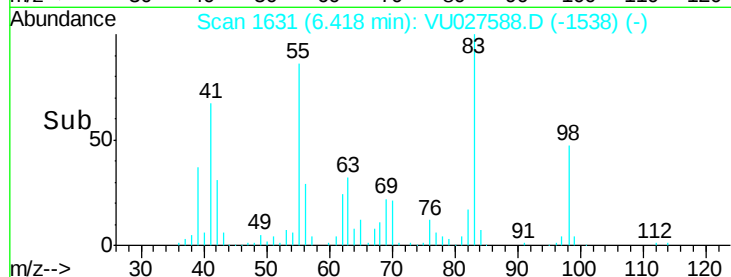
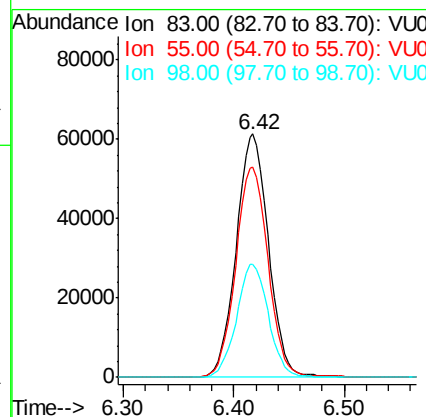
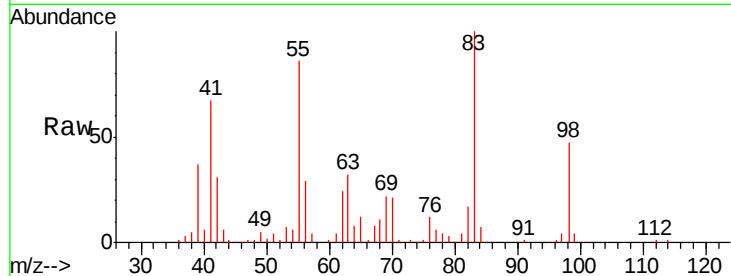
#39
Methylcyclohexane
Concen: 52.25 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	124257		
55	86.3	71.1	106.7	
98	46.6	36.3	54.5	

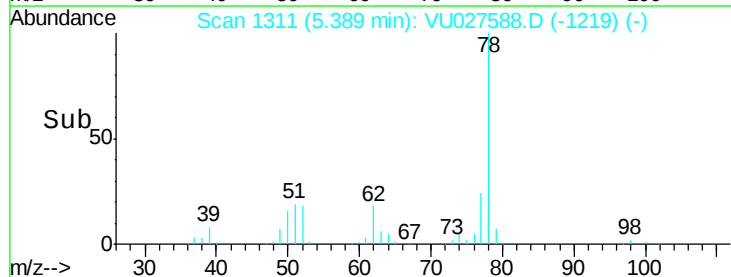
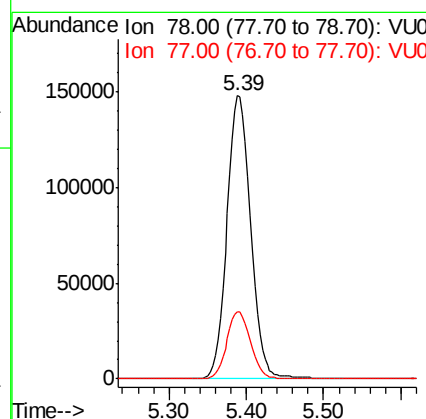
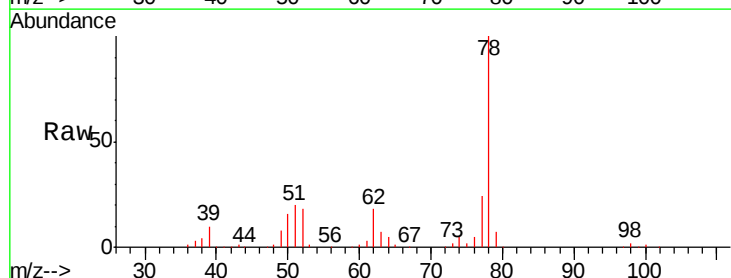
Manual Integrations
APPROVED

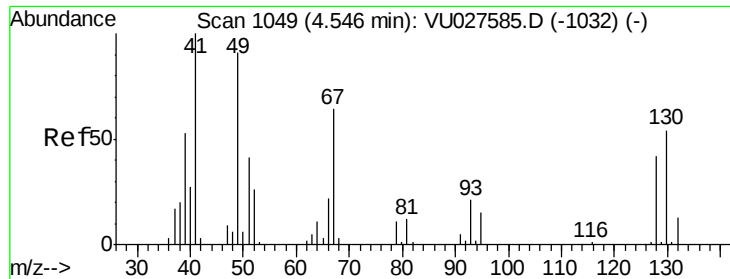
MMDadoda
10/16/2018 2:22:55 PM



#40
Benzene
Concen: 49.43 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	315100		
77	23.9	19.3	28.9	





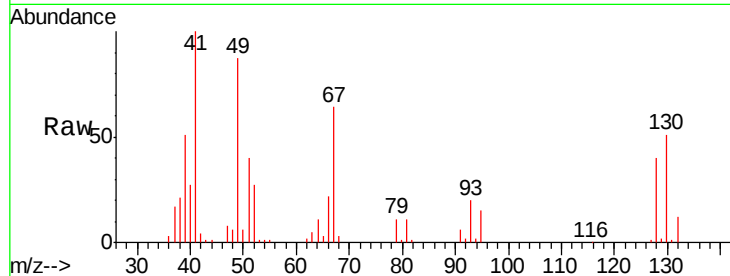
#41
Methacrylonitrile
Concen: 46.57 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	41.1	61.7	
67	64.3	50.4	75.6	
52	27.4	20.3	30.5	

Manual Integrations
APPROVED

MMDadoda
10/16/2018 2:22:55 PM

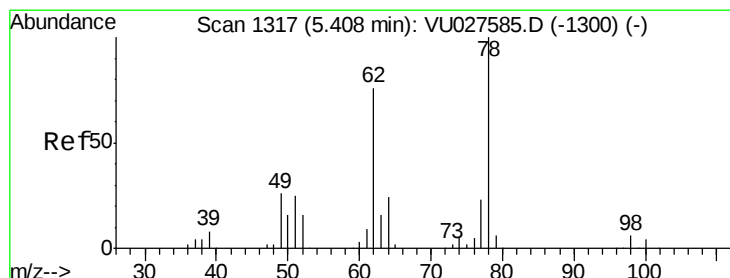
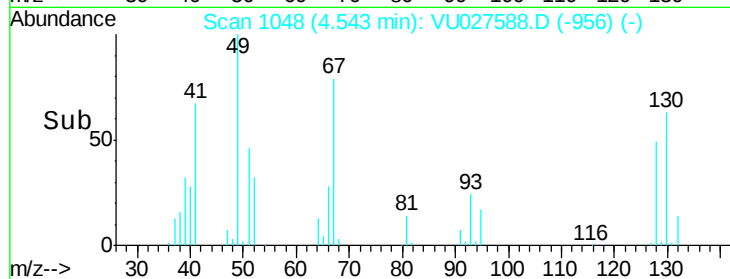
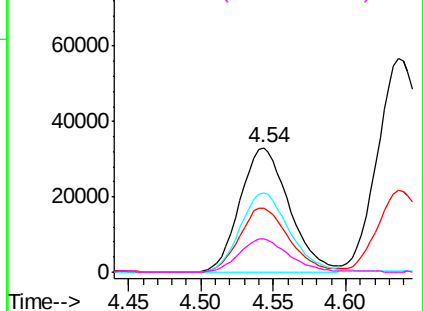


Abundance Ion 41.00 (40.70 to 41.70): VU027588.D (-1032) (-)

Ion 39.00 (38.70 to 39.70): VU027588.D (-1032) (-)

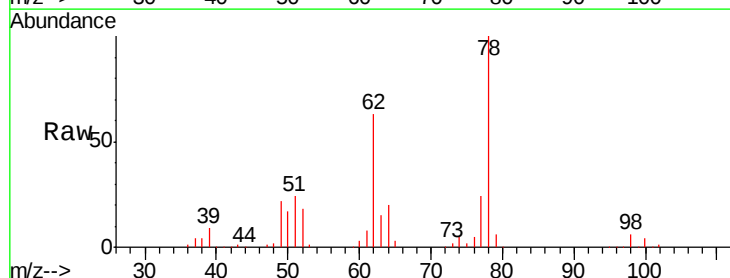
Ion 67.00 (66.70 to 67.70): VU027588.D (-1032) (-)

Ion 52.00 (51.70 to 52.70): VU027588.D (-1032) (-)



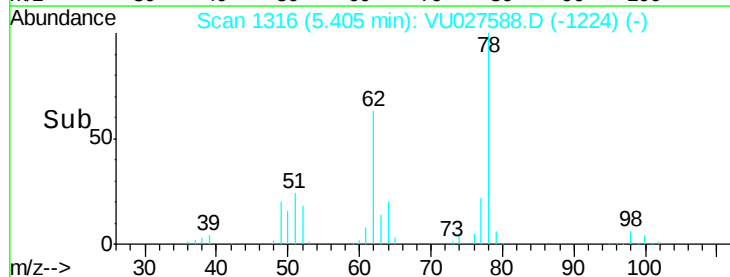
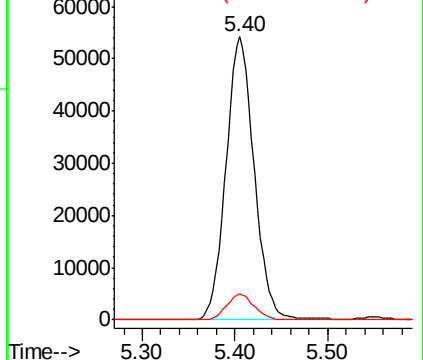
#42
1,2-Dichloroethane
Concen: 48.55 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

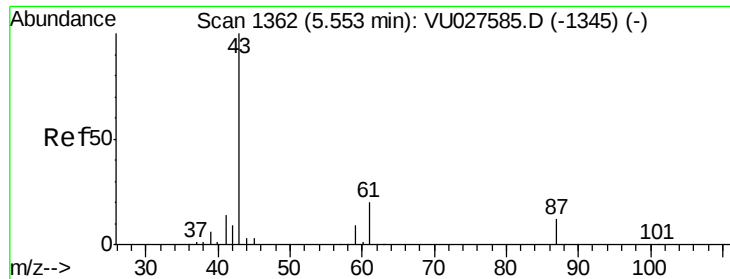
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	16.8	



Abundance Ion 61.90 (61.60 to 62.60): VU027588.D (-1224) (-)

Ion 97.90 (97.60 to 98.60): VU027588.D (-1224) (-)





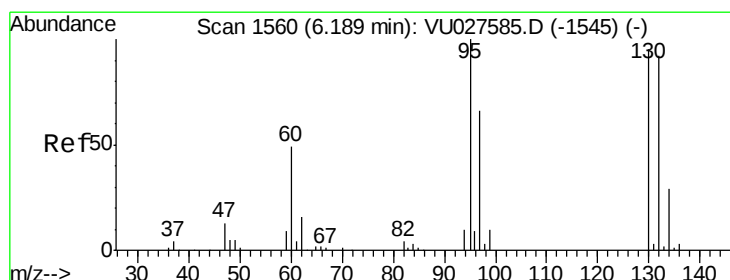
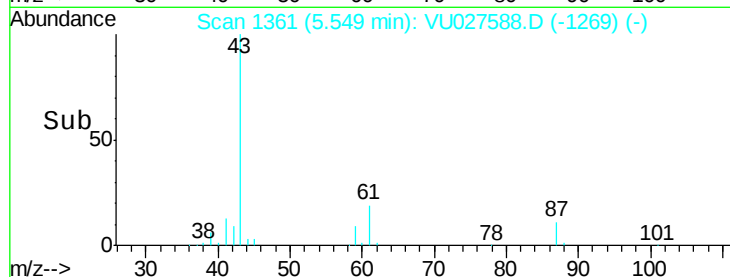
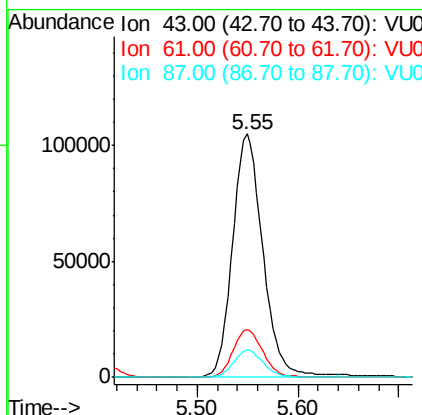
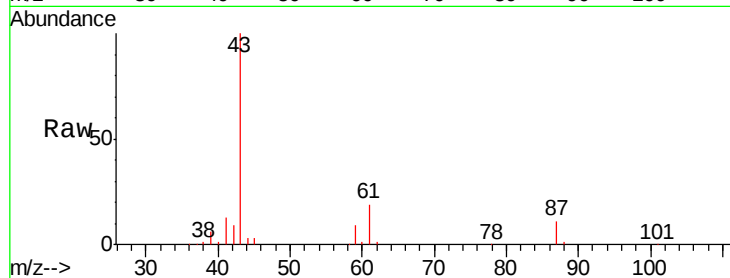
#43
Isopropyl Acetate
Concen: 49.82 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.3	22.9
87	11.2	8.6	13.0

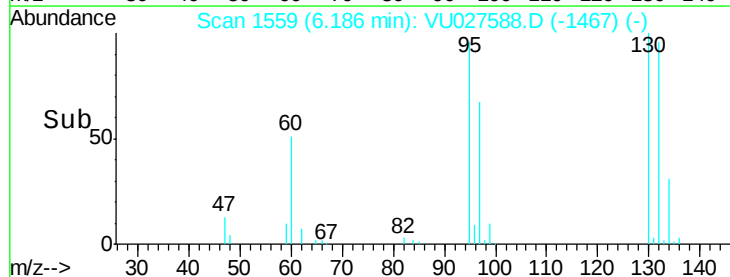
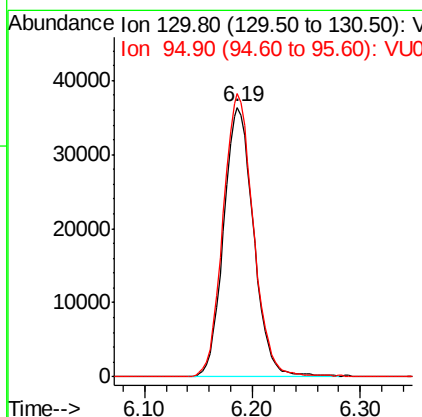
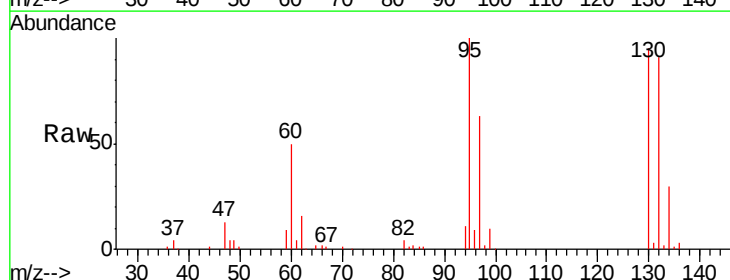
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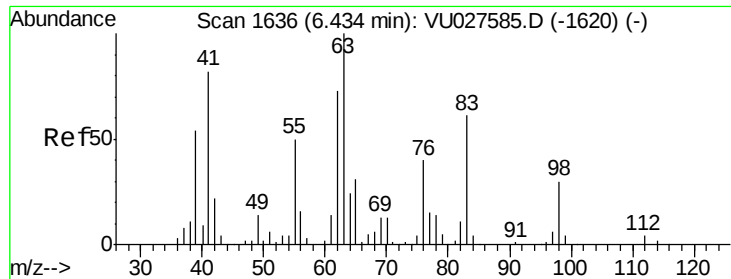
MMDadoda
10/16/2018 2:22:55 PM



#44
Trichloroethene
Concen: 50.15 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	207.0





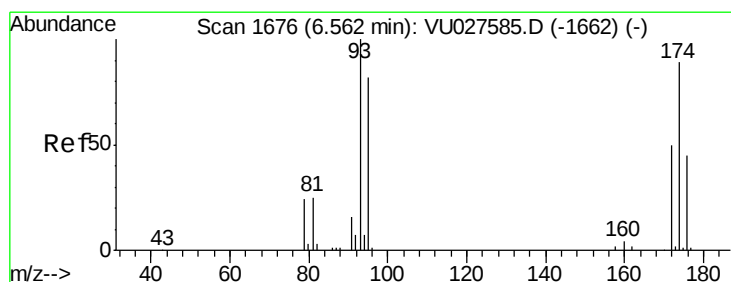
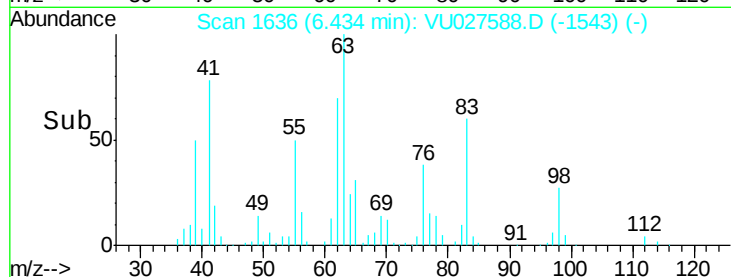
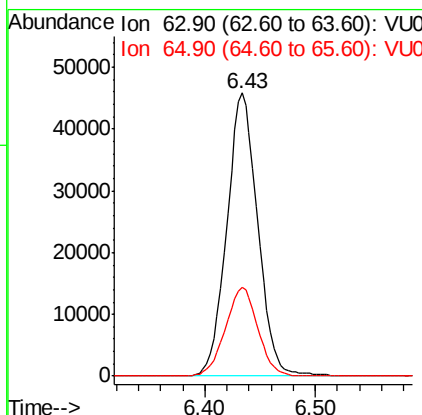
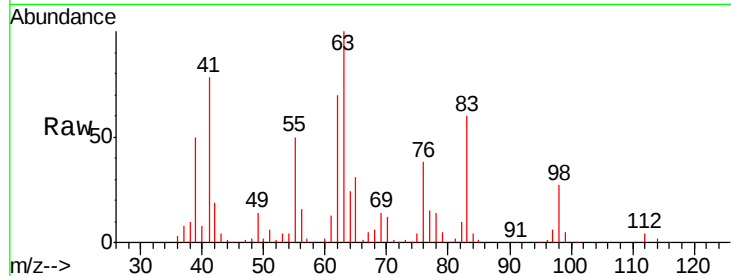
#45
 1,2-Dichloropropane
 Concen: 49.12 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Tgt Ion: 63 Resp: 89099
 Ion Ratio Lower Upper
 63 100
 65 31.3 26.0 39.0

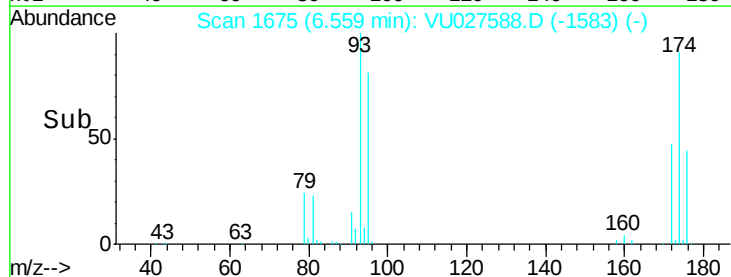
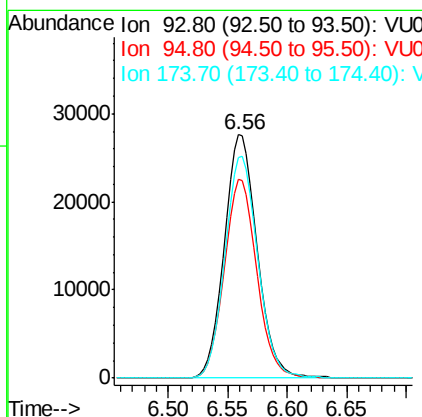
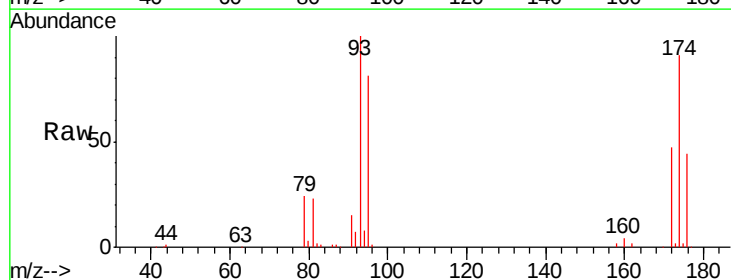
Manual Integrations
 APPROVED

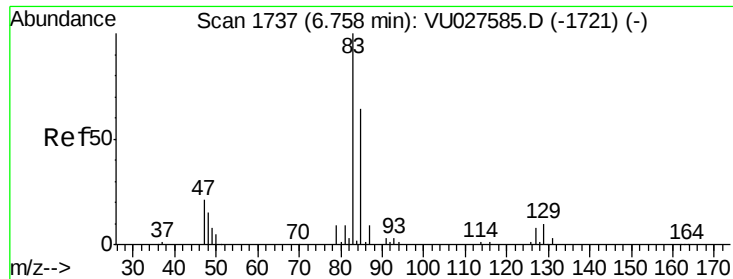
MMDadoda
 10/16/2018 2:22:55 PM



#46
 Dibromomethane
 Concen: 49.47 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Tgt Ion: 93 Resp: 52818
 Ion Ratio Lower Upper
 93 100
 95 81.0 66.5 99.7
 174 91.3 72.5 108.7





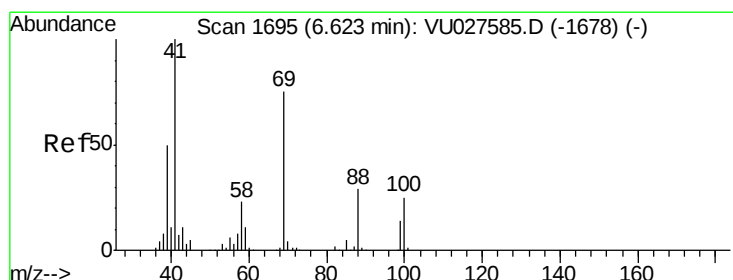
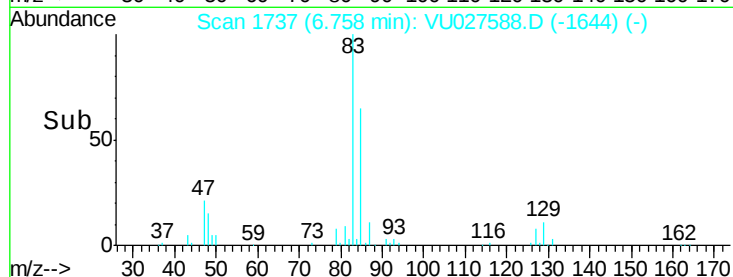
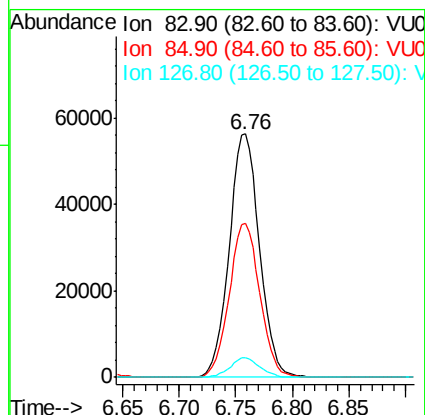
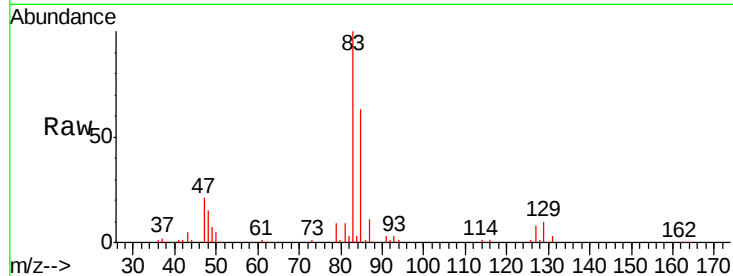
#47
 Bromodichloromethane
 Concen: 48.78 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.0
127	8.2	6.3	9.5

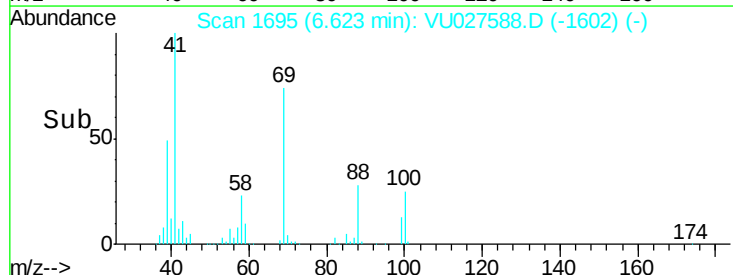
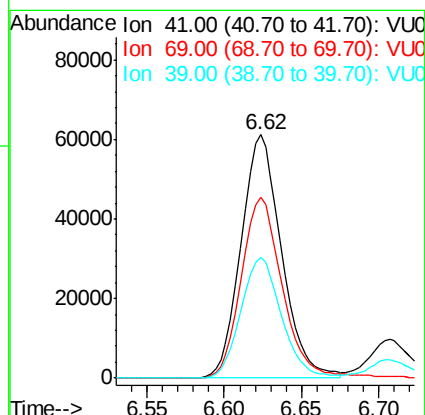
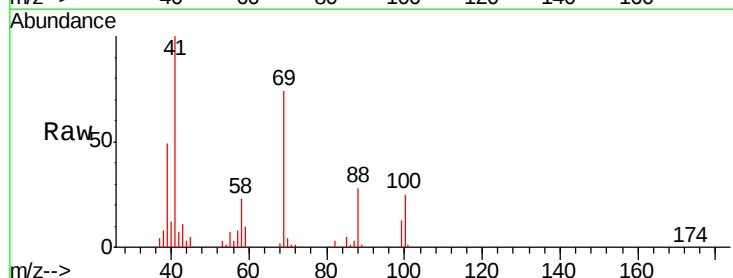
Manual Integrations
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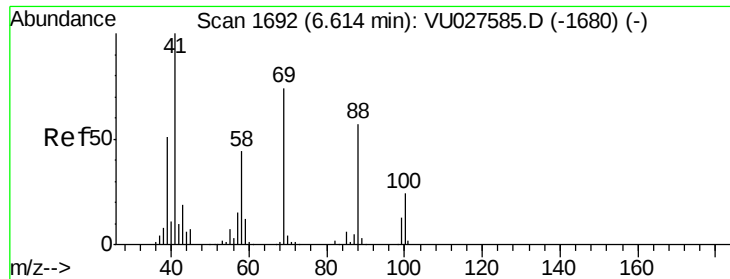
MMDadoda
 10/16/2018 2:22:55 PM



#48
 Methyl methacrylate
 Concen: 46.23 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.4	61.0	91.4
39	50.1	39.9	59.9





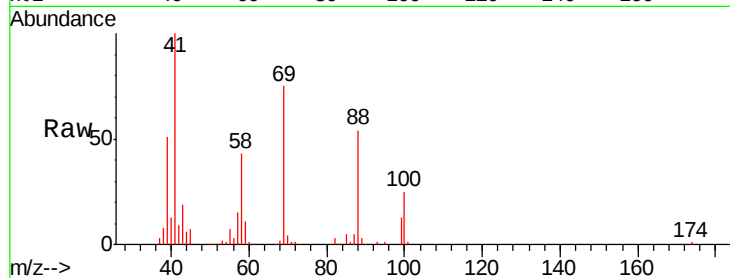
#49
1,4-Dioxane
Concen: 1109.67 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

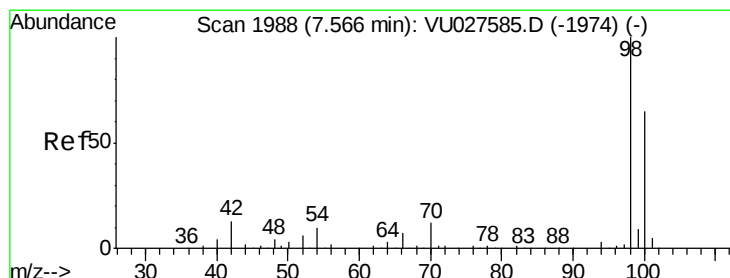
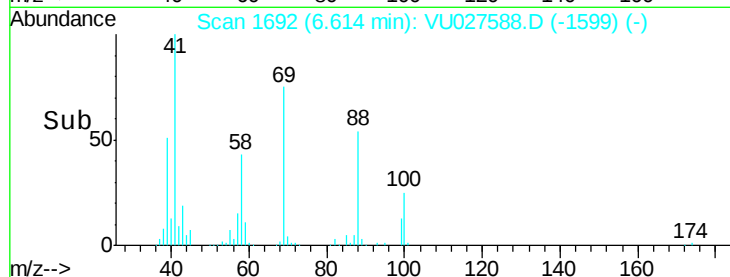
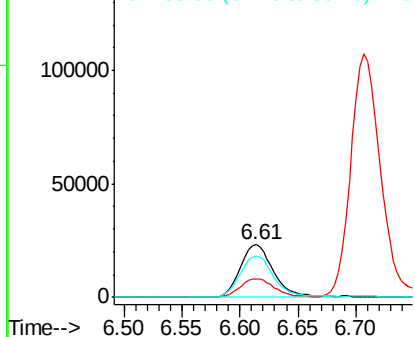
Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.4	30.8	46.2
58	79.2	67.0	100.6

Manual Integrations
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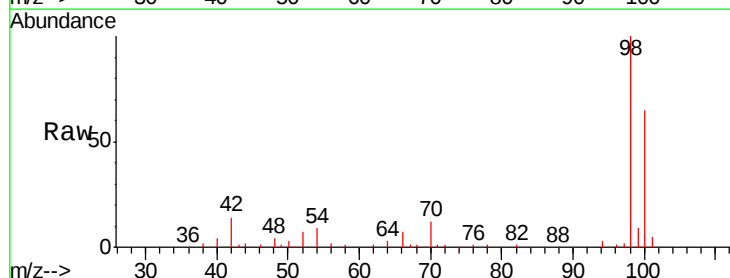


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

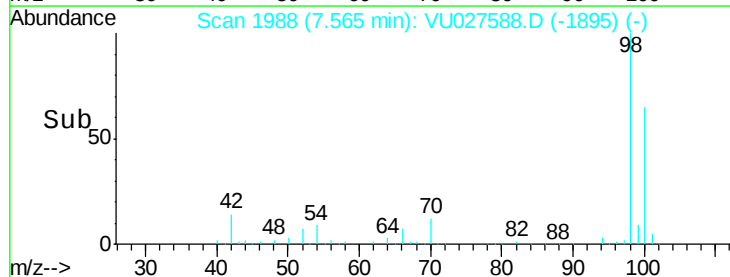
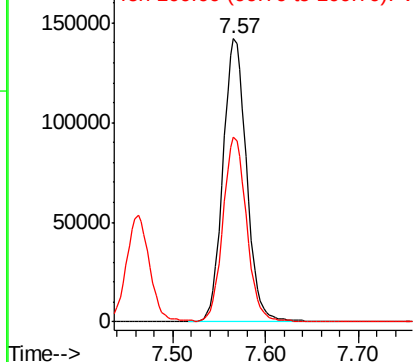


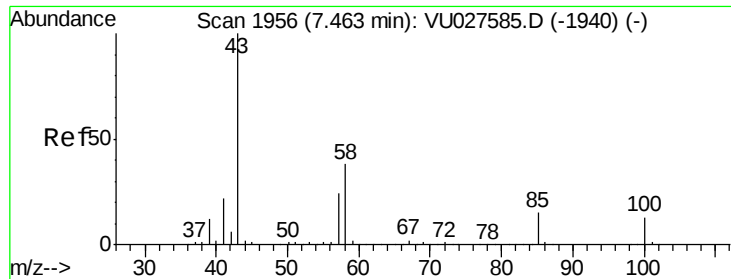
#50
Toluene-d8
Concen: 48.08 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 245.14 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

ICVVU101118

Tgt Ion: 43 Resp: 721310

Ion Ratio Lower Upper

43 100

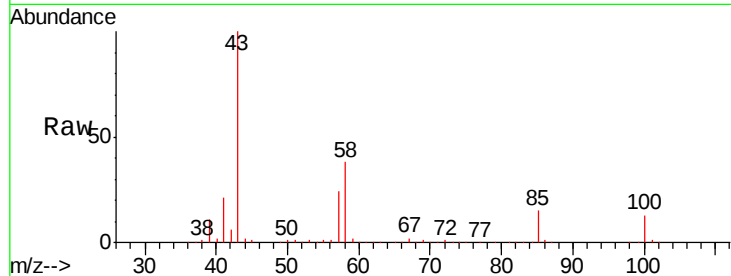
58 38.1 29.8 44.8

Manual Integrations

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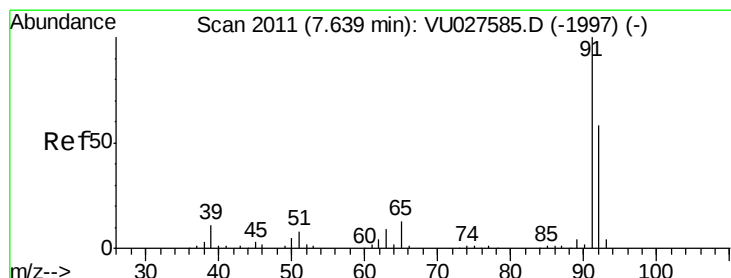
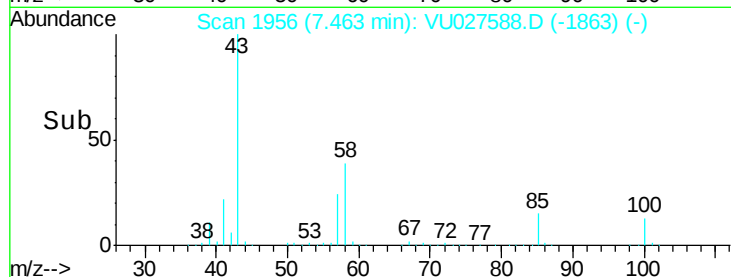
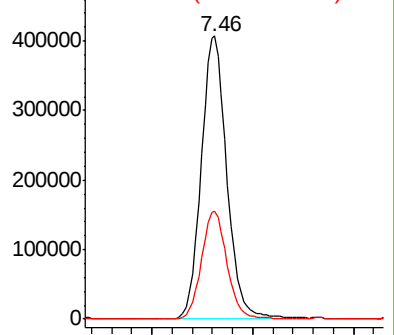
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 51.33 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027588.D

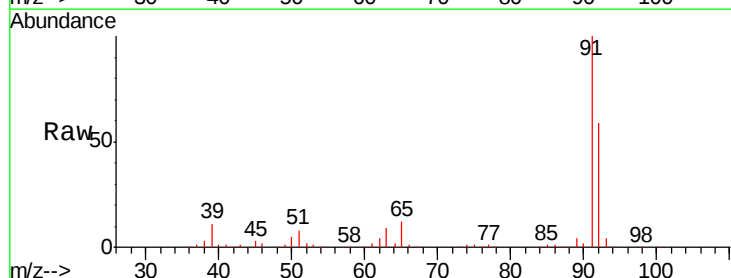
Acq: 11 Oct 2018 10:57

Tgt Ion: 92 Resp: 187190

Ion Ratio Lower Upper

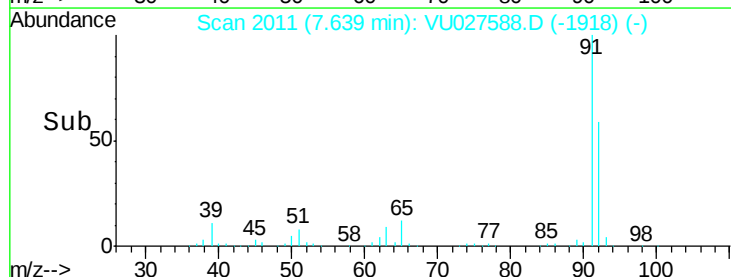
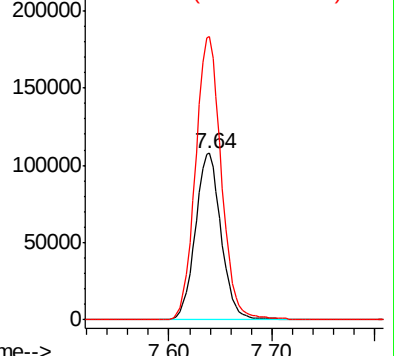
92 100

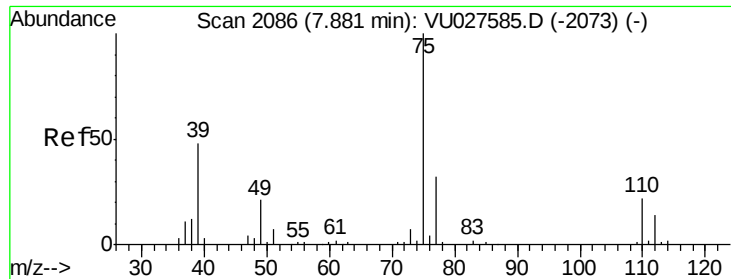
91 171.0 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





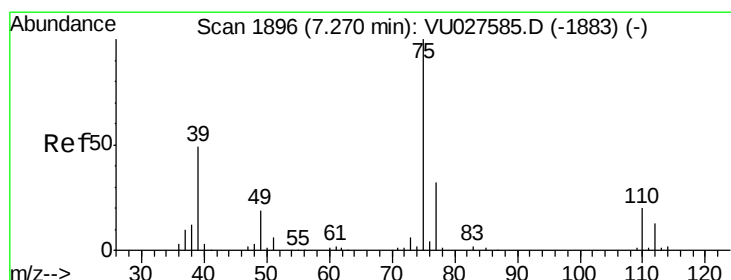
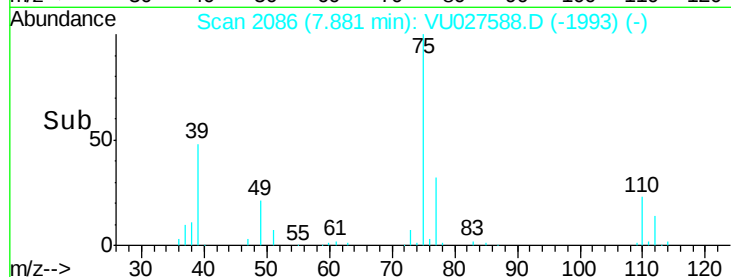
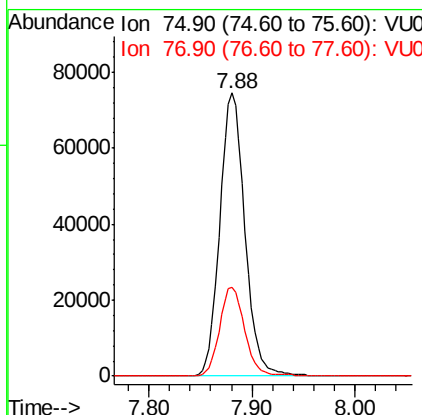
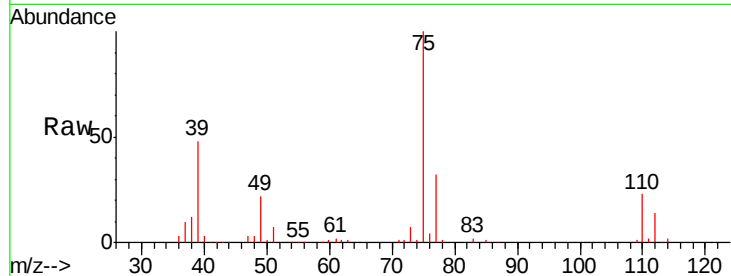
#53
 t-1,3-Dichloropropene
 Concen: 51.55 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Tgt Ion: 75 Resp: 126067
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.6

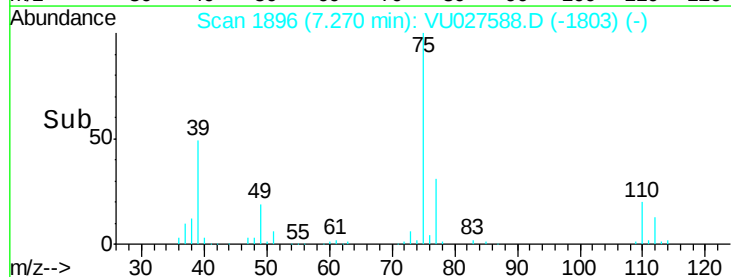
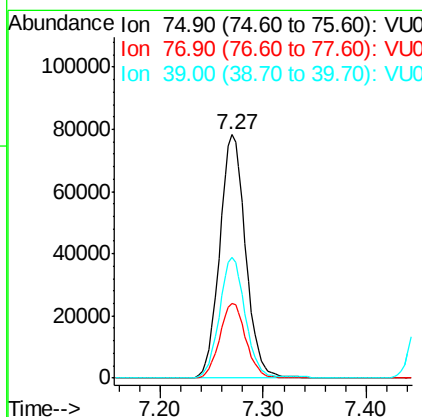
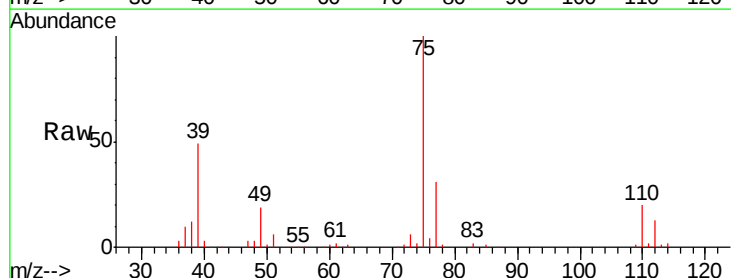
Manual Integrations
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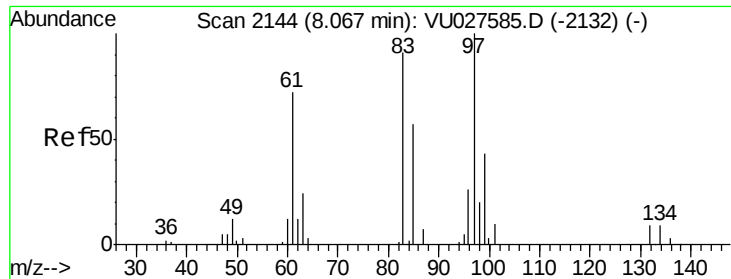
MMDadoda
 10/16/2018 2:22:55 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.33 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Tgt Ion: 75 Resp: 136591
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.5 36.7
 39 49.4 40.1 60.1





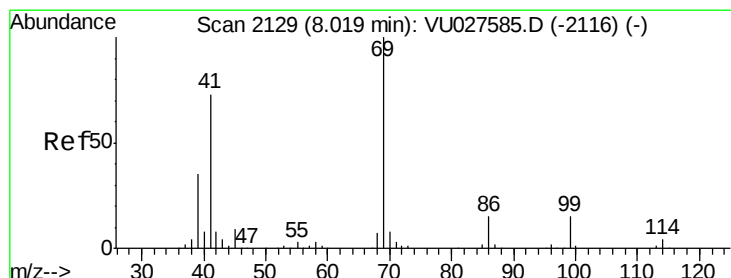
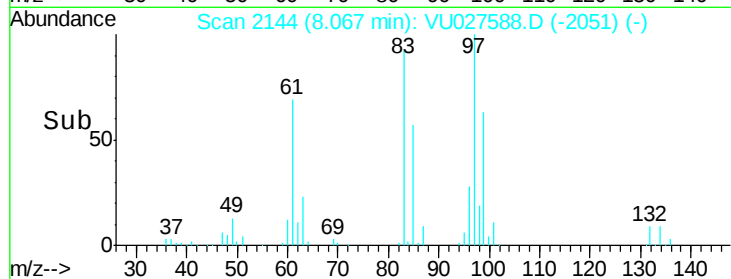
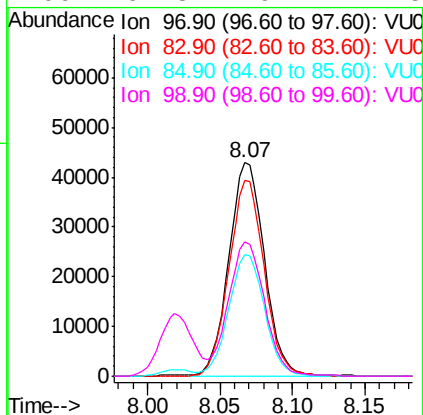
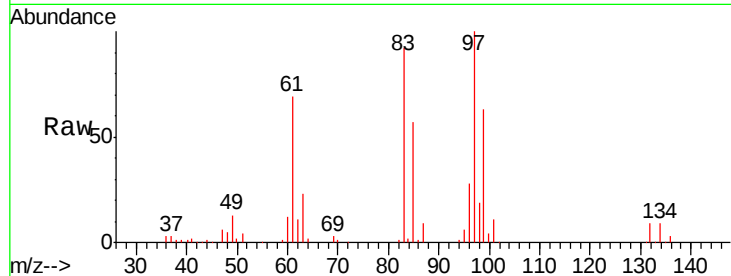
#55
 1,1,2-Trichloroethane
 Concen: 48.26 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Tgt Ion:	97	Resp:	72622
Ion	Ratio	Lower	Upper
97	100		
83	92.1	73.0	109.6
85	56.8	47.3	70.9
99	62.8	49.7	74.5

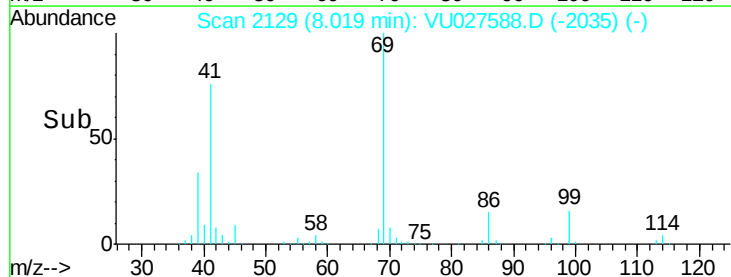
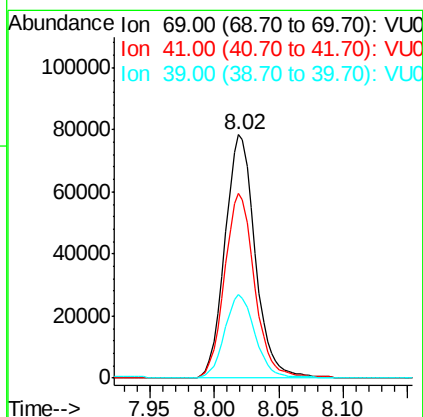
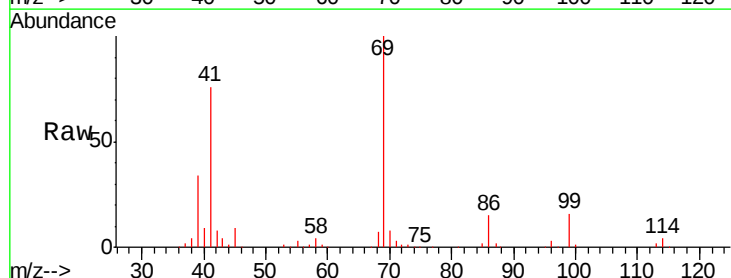
Manual Integrations
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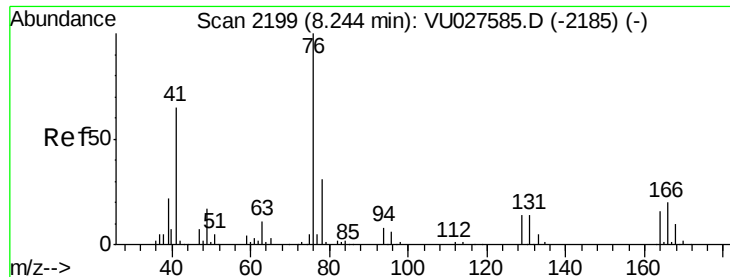
MMDadoda
 10/16/2018 2:22:55 PM



#56
 Ethyl methacrylate
 Concen: 46.20 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Tgt Ion:	69	Resp:	127795
Ion	Ratio	Lower	Upper
69	100		
41	75.5	60.0	90.0
39	35.0	29.5	44.3





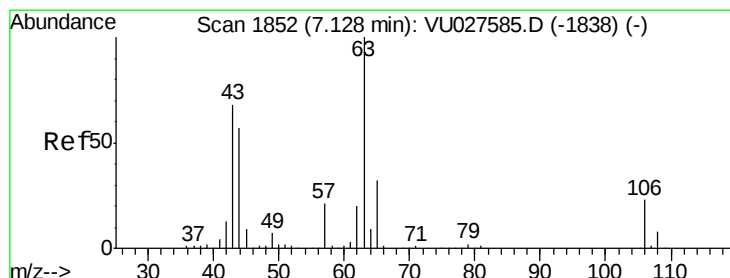
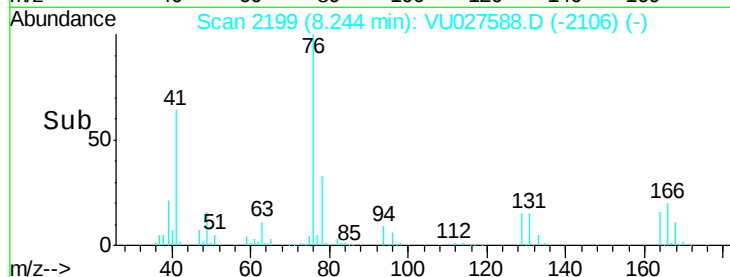
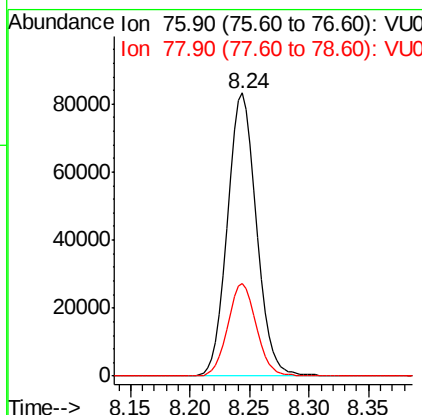
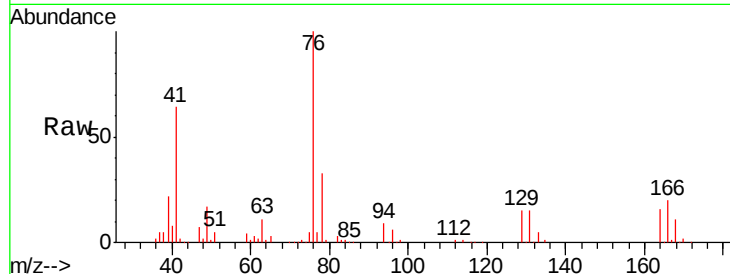
#57
 1,3-Dichloropropane
 Concen: 49.33 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Tgt Ion: 76 Resp: 141012
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

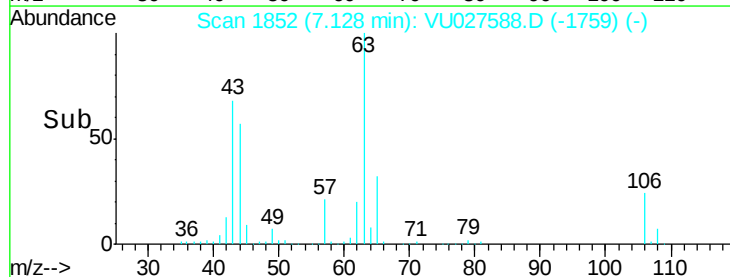
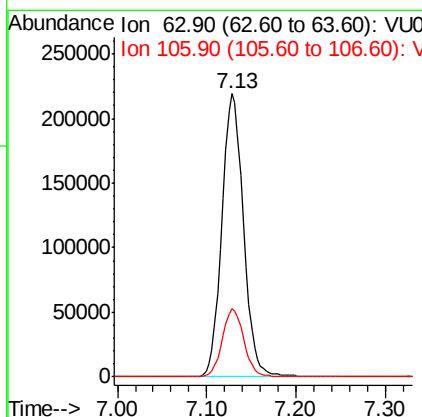
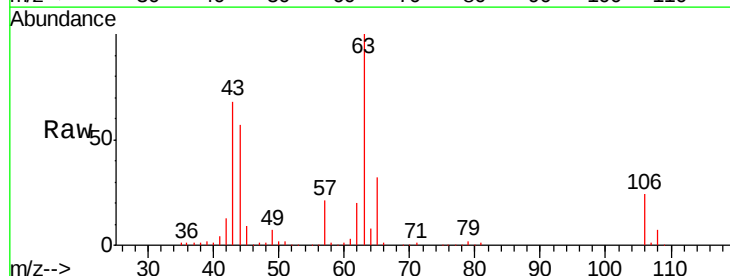
Manual Integrations
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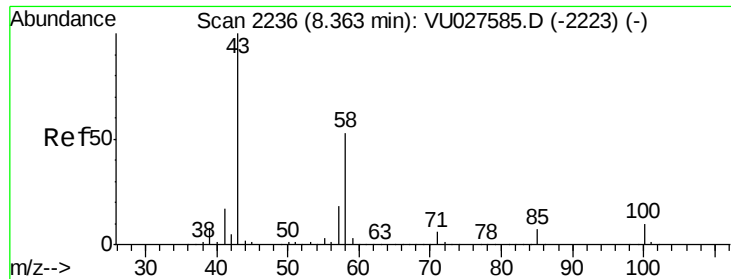
MMDadoda
 10/16/2018 2:22:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.76 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Tgt Ion: 63 Resp: 368268
 Ion Ratio Lower Upper
 63 100
 106 24.0 18.5 27.7





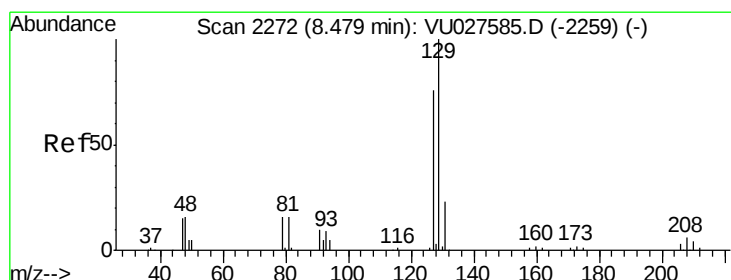
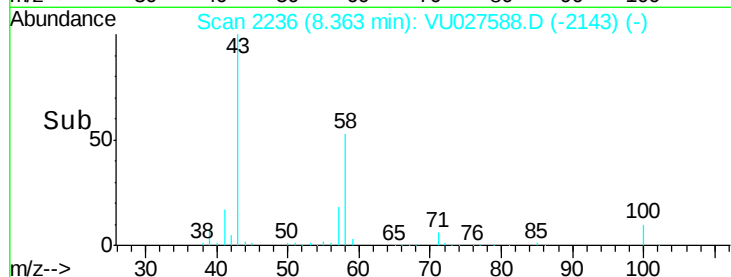
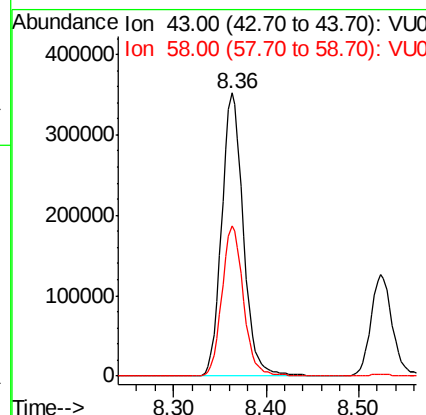
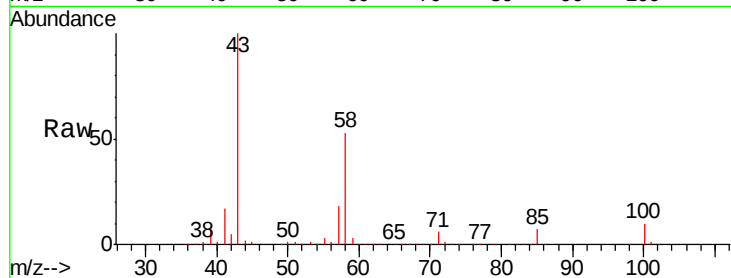
#59
2-Hexanone
Concen: 247.98 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion: 43 Resp: 569213
Ion Ratio Lower Upper
43 100
58 52.9 26.1 78.3

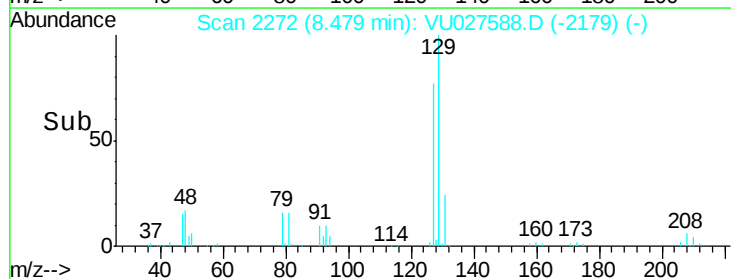
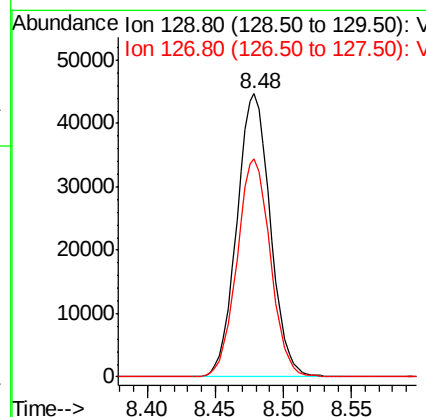
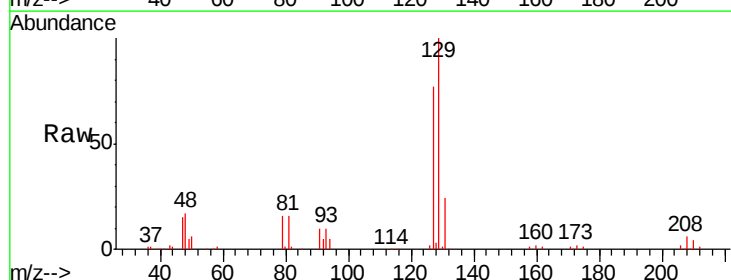
Manual Integrations
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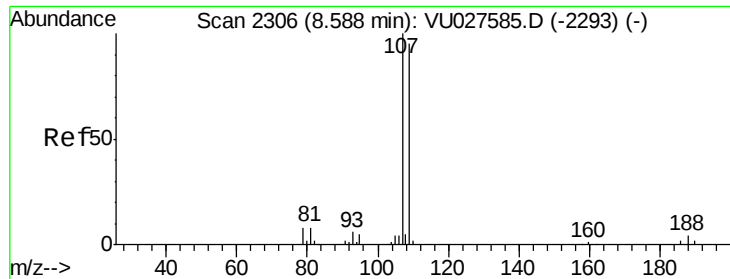
MMDadoda
10/16/2018 2:22:55 PM



#60
Dibromochloromethane
Concen: 50.68 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion: 129 Resp: 76212
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2





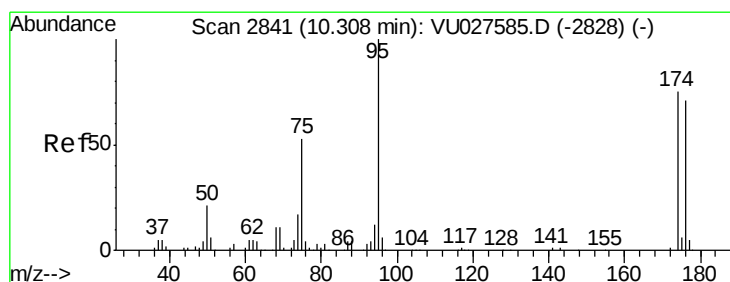
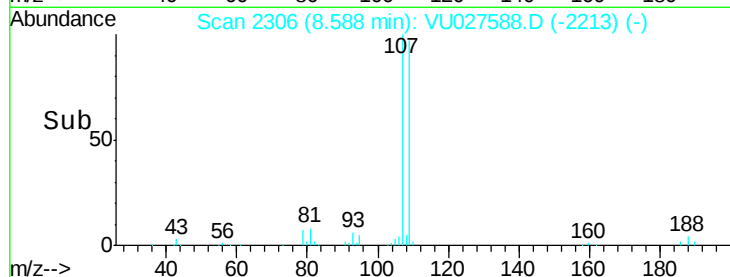
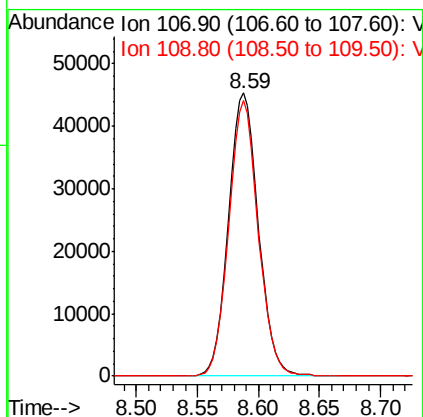
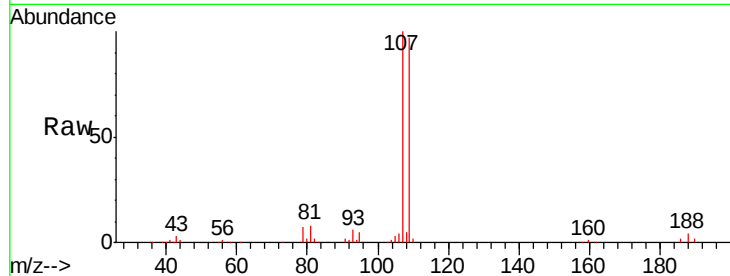
#61
 1,2-Dibromoethane
 Concen: 48.99 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Tgt Ion: 107 Resp: 77620
 Ion Ratio Lower Upper
 107 100
 109 95.6 74.5 111.7

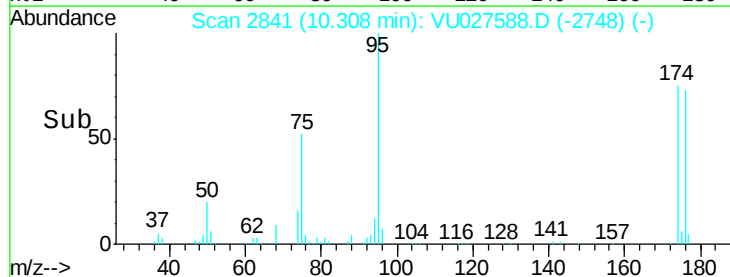
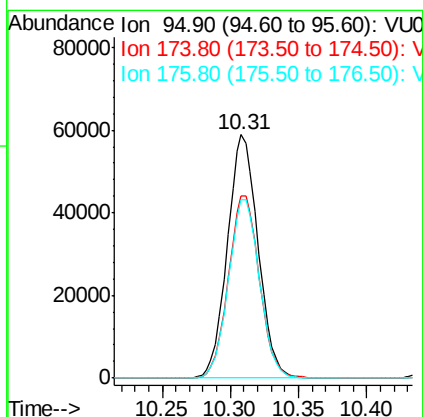
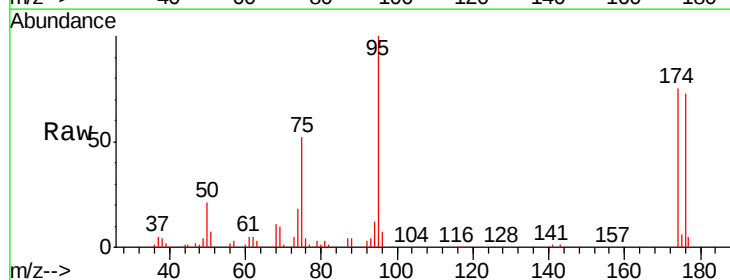
Manual Integrations
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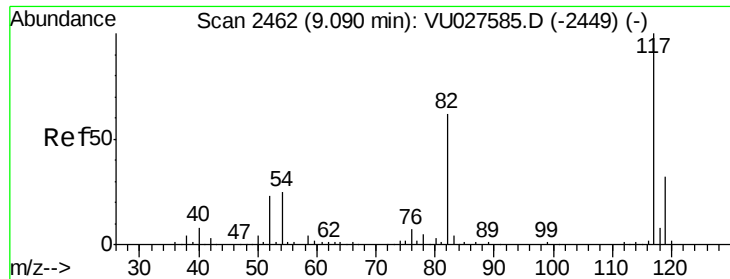
MMDadoda
 10/16/2018 2:22:55 PM



#62
 4-Bromofluorobenzene
 Concen: 48.81 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Tgt Ion: 95 Resp: 92041
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 147.8
 176 74.1 0.0 140.8





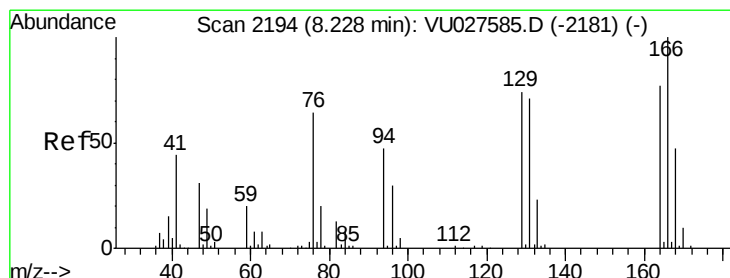
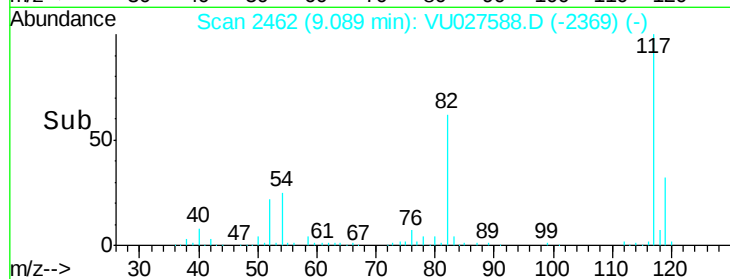
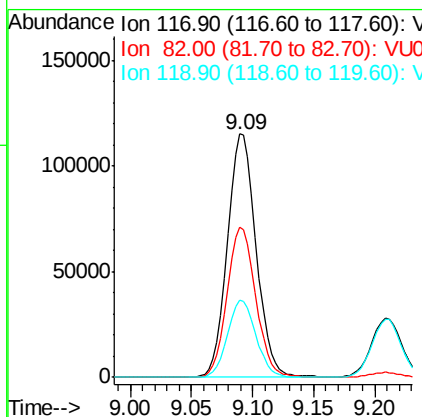
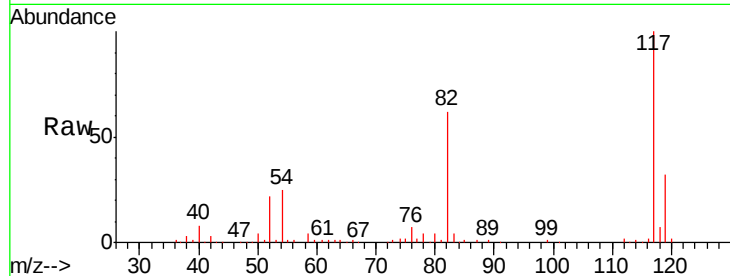
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	190473		
82	61.7	49.2	73.8	
119	31.8	25.7	38.5	

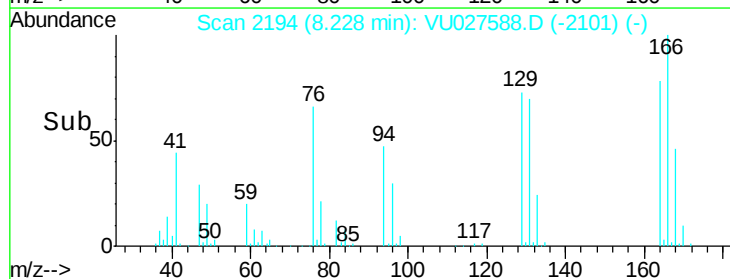
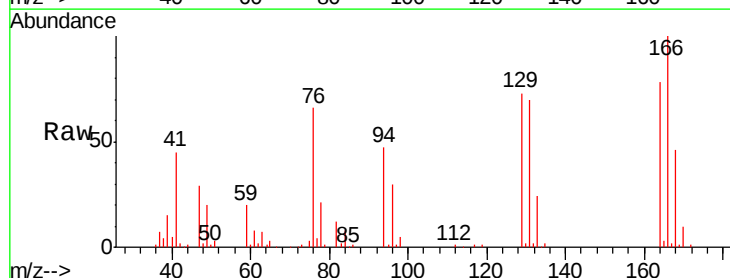
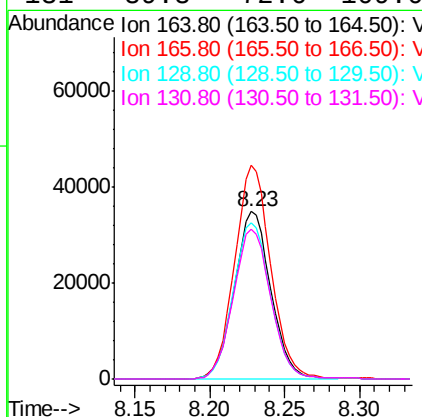
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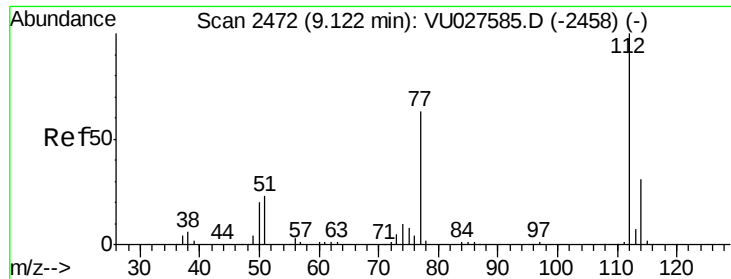
MMDadoda
10/16/2018 2:22:55 PM



#64
Tetrachloroethene
Concen: 50.11 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59294		
166	127.6	101.0	151.6	
129	93.6	78.0	117.0	
131	89.8	72.6	109.0	





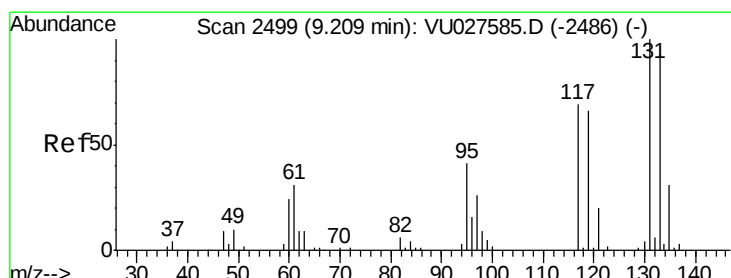
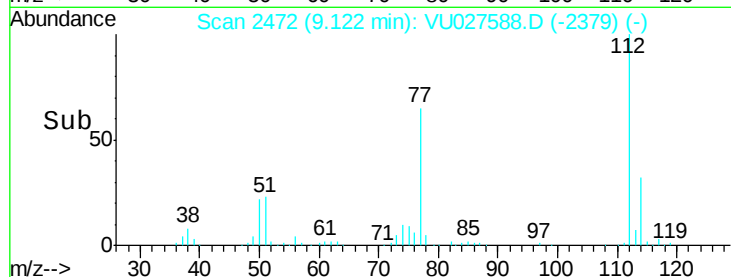
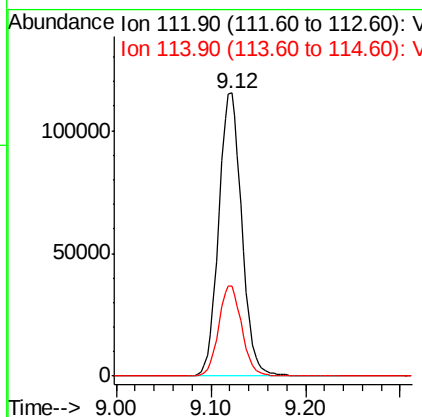
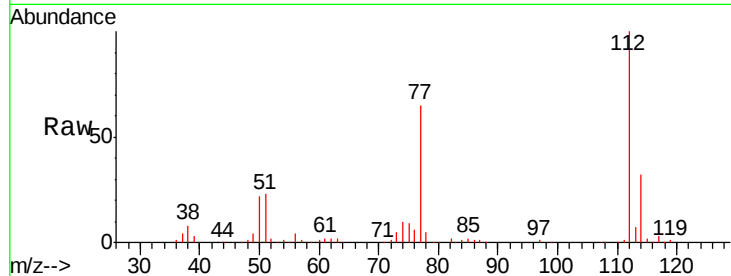
#65
Chlorobenzene
Concen: 49.41 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion:112 Resp: 195212
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6

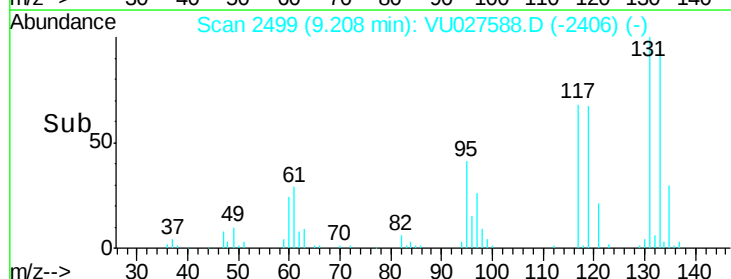
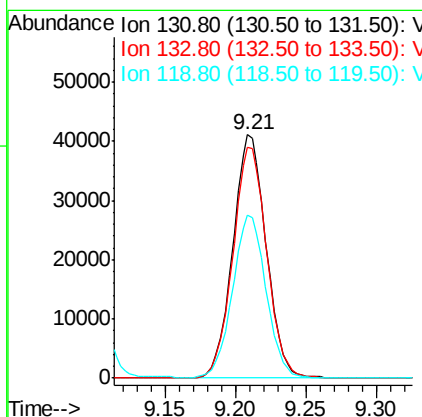
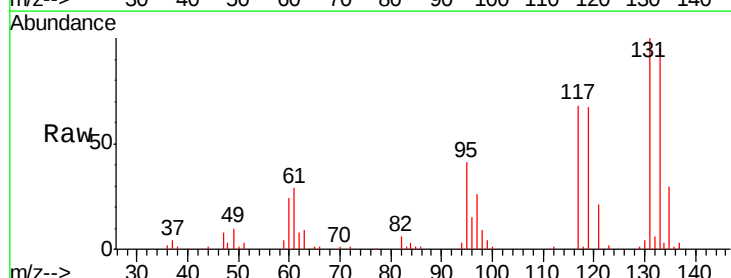
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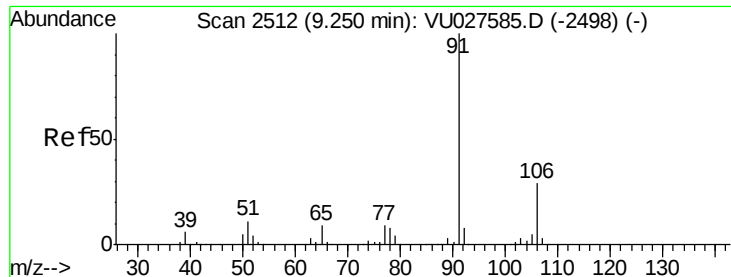
MMDadoda
10/16/2018 2:22:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.27 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion:131 Resp: 67908
Ion Ratio Lower Upper
131 100
133 96.4 48.5 145.6
119 67.6 33.5 100.4





#67

Ethyl Benzene

Concen: 52.26 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

ICVVU101118

Tgt Ion: 91 Resp: 354178

Ion Ratio Lower Upper

91 100

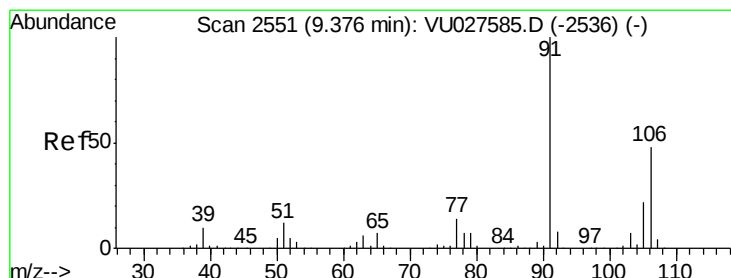
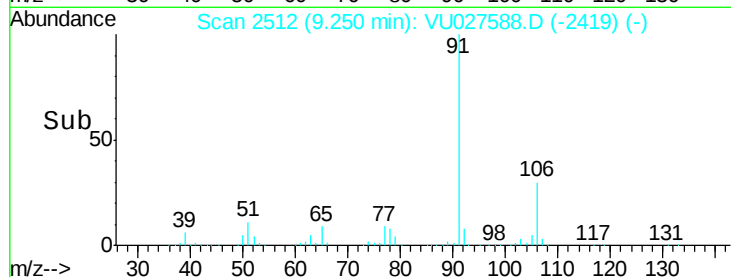
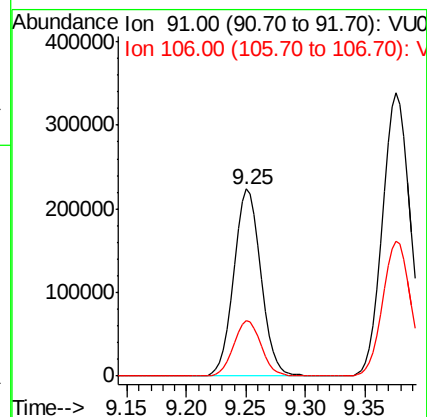
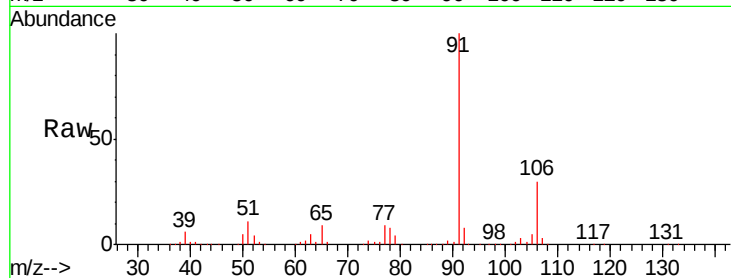
106 29.7 23.6 35.4

Manual Integrations

APPROVED

MMDadoda

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#68

m/p-Xylenes

Concen: 107.25 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027588.D

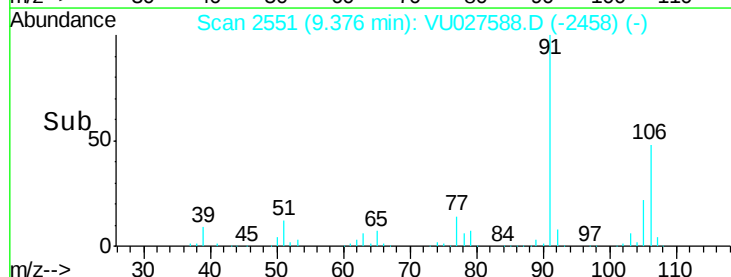
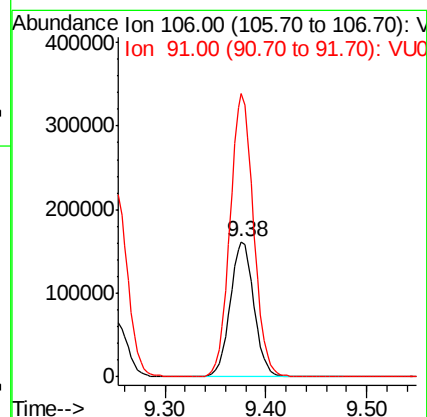
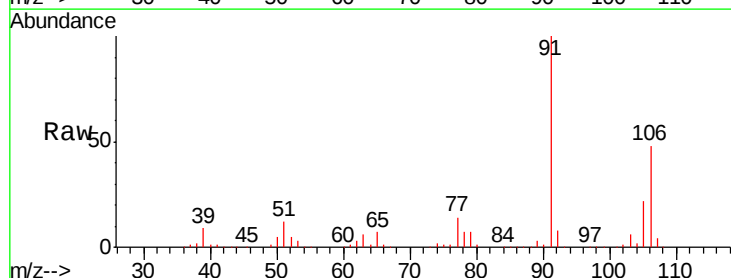
Acq: 11 Oct 2018 10:57

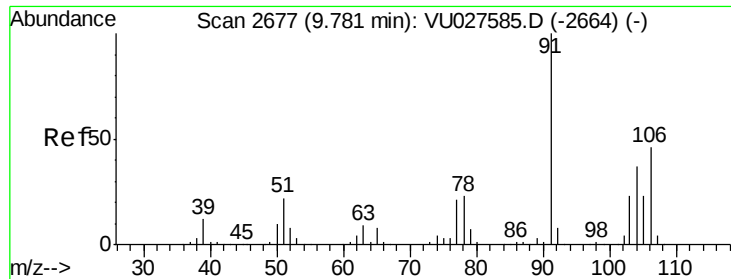
Tgt Ion: 106 Resp: 265402

Ion Ratio Lower Upper

106 100

91 207.3 168.1 252.1





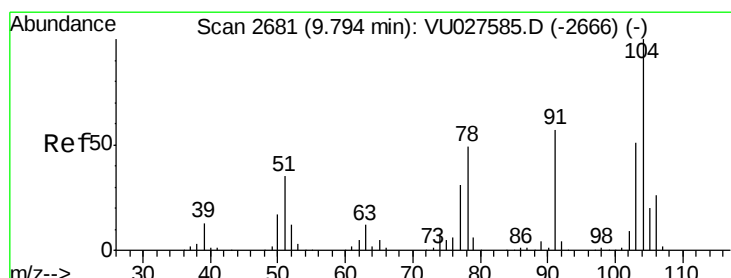
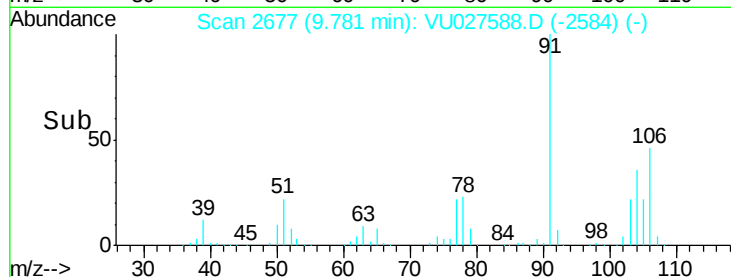
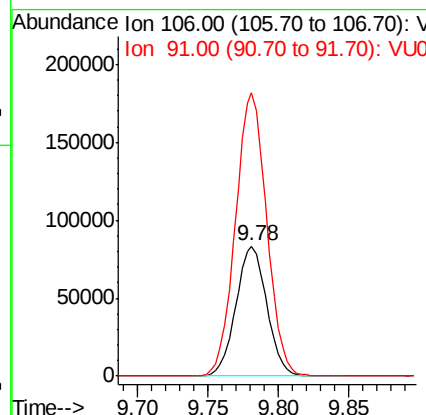
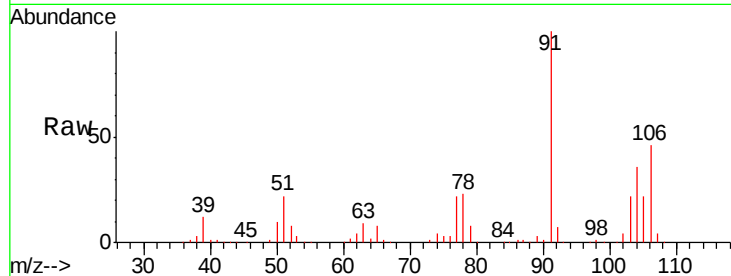
#69
o-Xylene
Concen: 53.25 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion:106 Resp: 128096
Ion Ratio Lower Upper
106 100
91 220.2 111.7 334.9

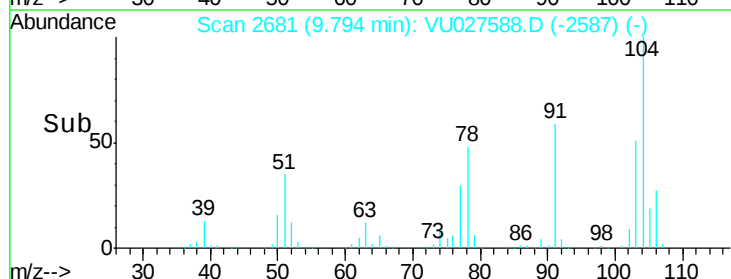
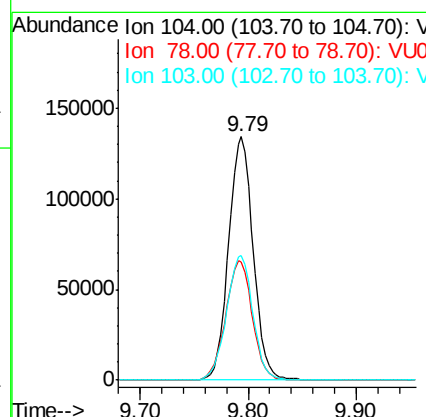
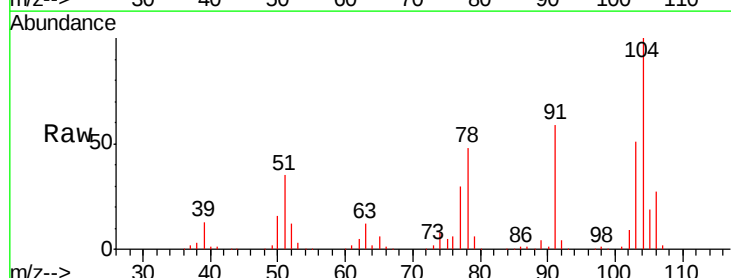
Manual Integrations
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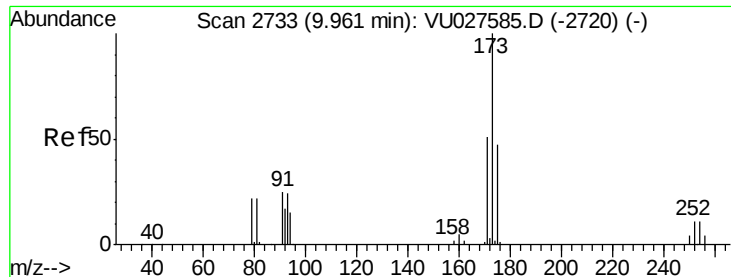
MMDadoda
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#70
Styrene
Concen: 48.14 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion:104 Resp: 213355
Ion Ratio Lower Upper
104 100
78 53.1 42.9 64.3
103 54.9 43.9 65.9





#71

Bromoform

Concen: 50.29 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

ICVVU101118

Tgt Ion:173 Resp: 56475

Ion Ratio Lower Upper

173 100

175 49.2 24.3 73.0

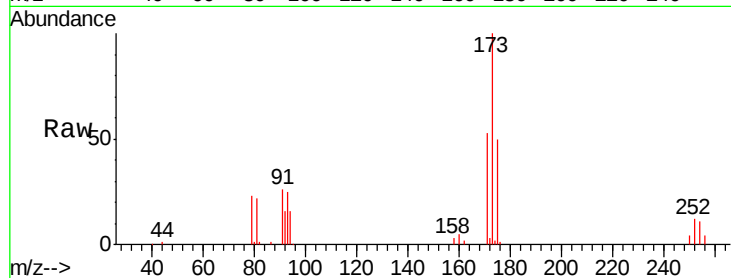
254 0.0 0.0 0.0

Manual Integrations

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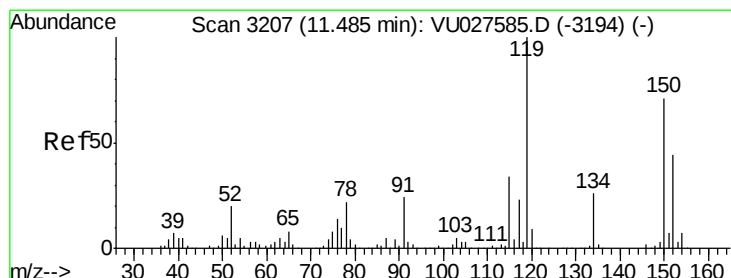
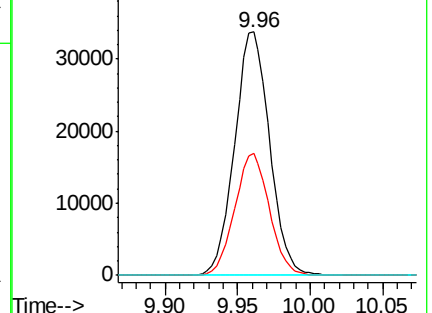
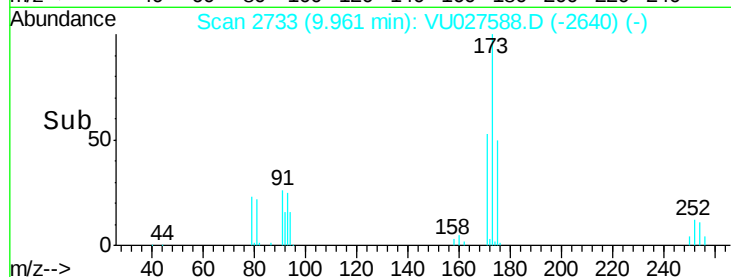
10/16/2018 2:22:55 PM



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: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

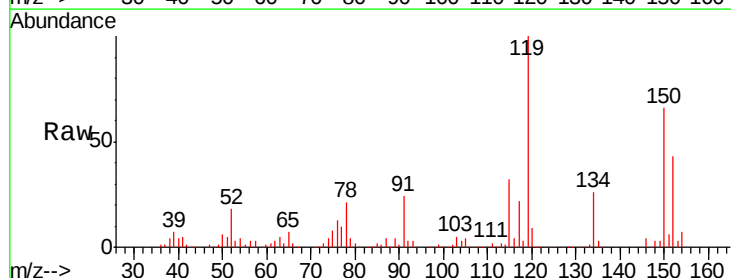
Tgt Ion:152 Resp: 96826

Ion Ratio Lower Upper

152 100

115 82.3 43.4 130.2

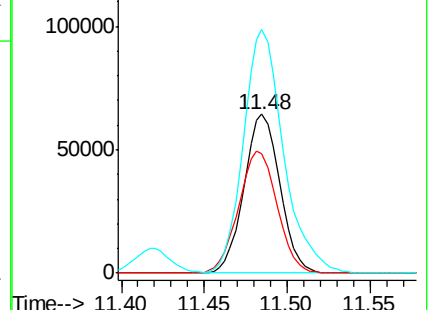
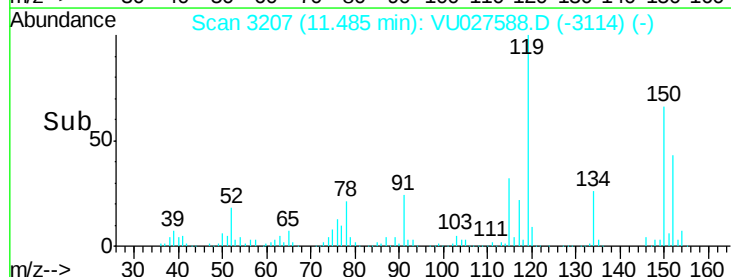
150 172.0 0.0 349.2

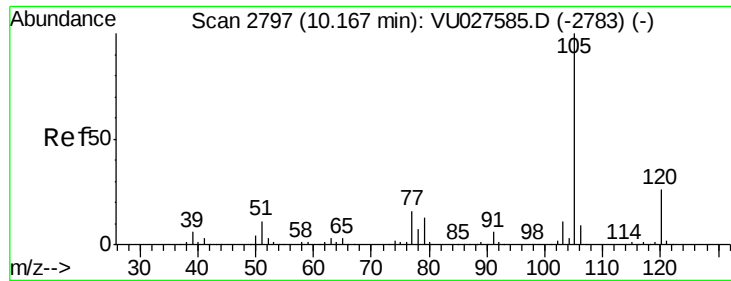


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.14 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

ICVVU101118

Tgt Ion: 105 Resp: 346412

Ion Ratio Lower Upper

105 100

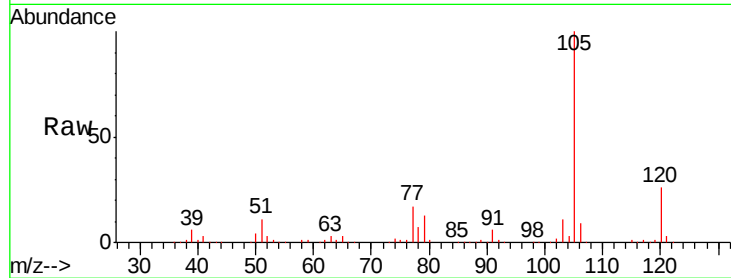
120 25.5 12.6 37.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

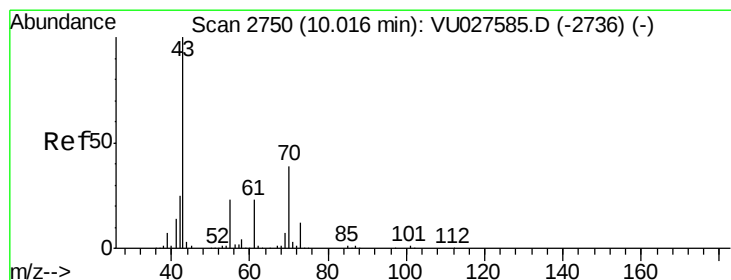
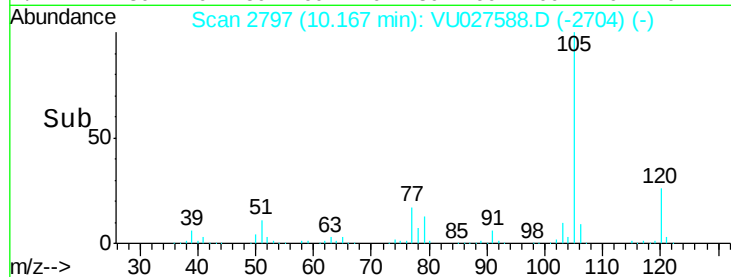
50000

0

10.10

10.20

Time-->



#74

N-ethyl acetate

Concen: 51.94 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Tgt Ion: 43 Resp: 199691

Ion Ratio Lower Upper

43 100

70 39.8 31.3 46.9

55 23.7 19.0 28.6

61 23.9 18.5 27.7

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

200000

150000

100000

50000

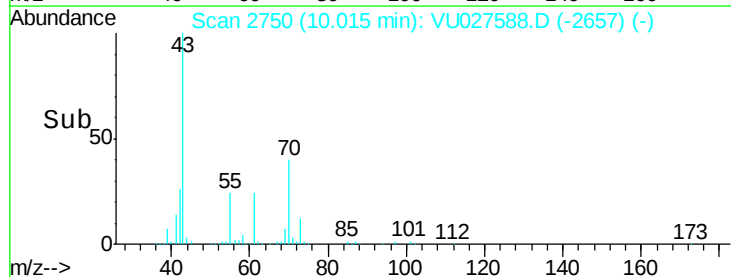
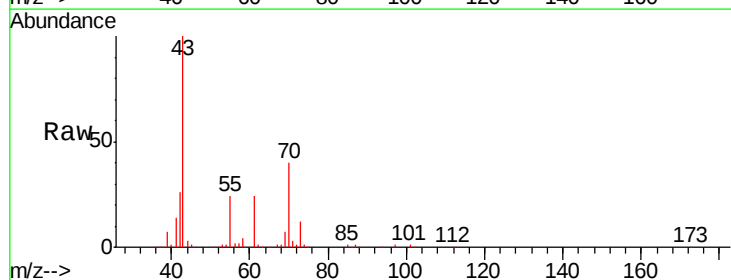
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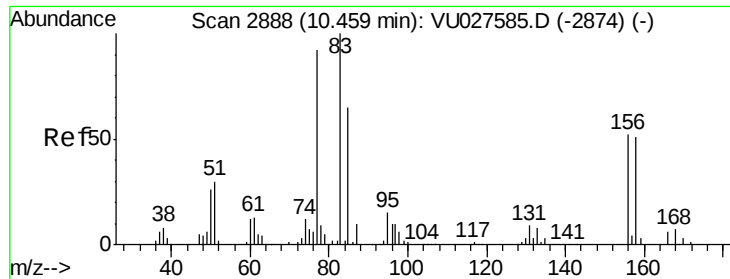
9.90

10.00

10.10

Time-->





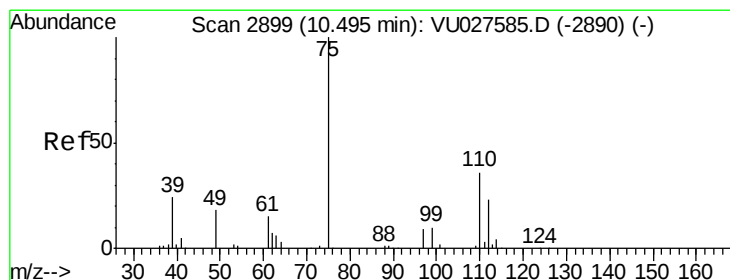
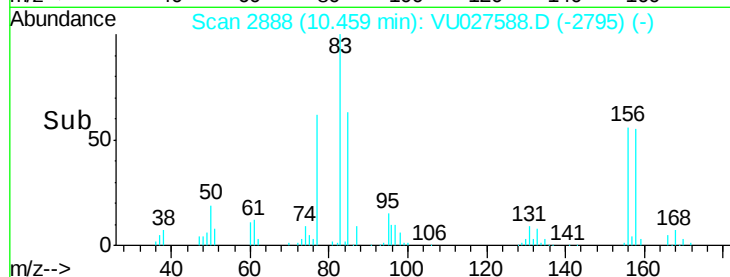
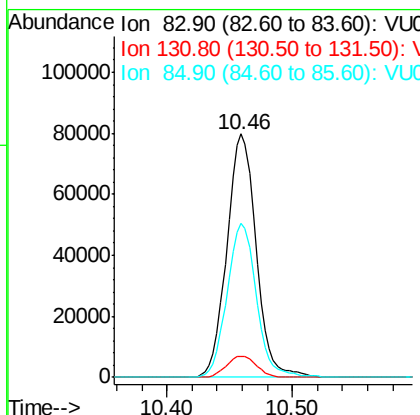
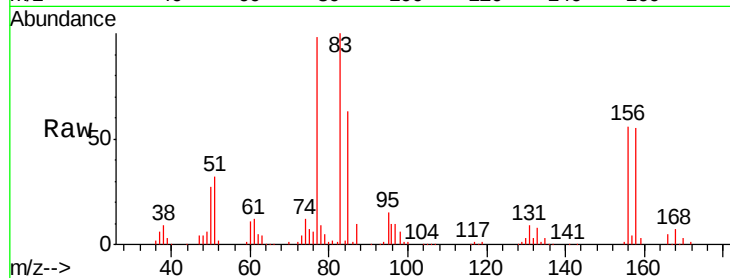
#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.16 ug/l
 RT: 10.46 min Scan# 2888
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
131	8.9	4.4	13.2
85	63.3	32.0	96.0

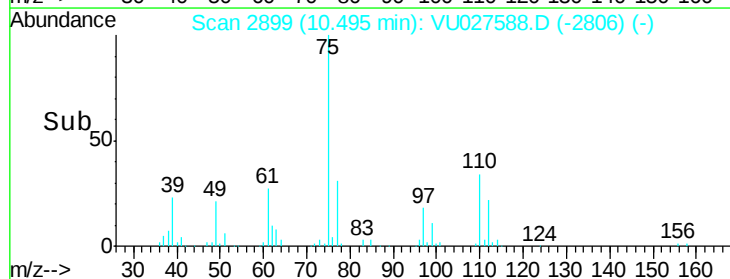
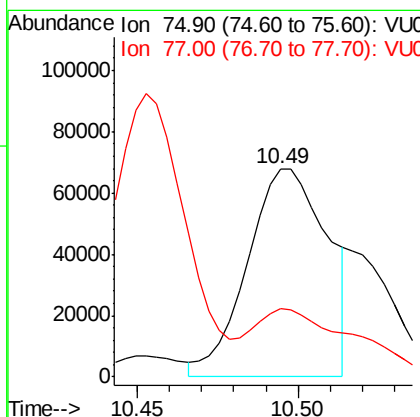
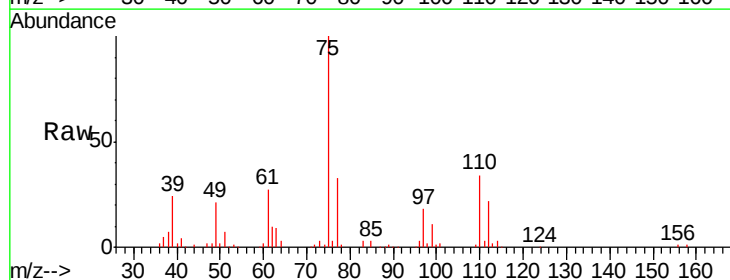
Manual Integrations
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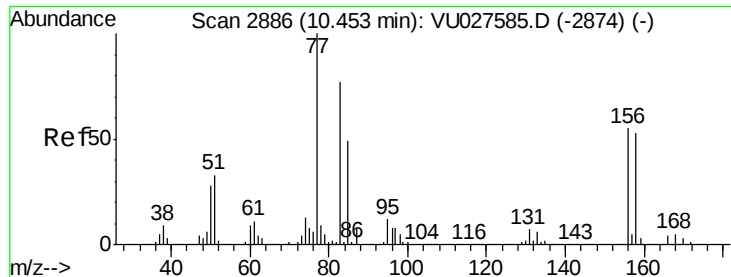
MMDadoda
 10/16/2018 2:22:55 PM



#76
 1,2,3-Trichloropropane
 Concen: 49.04 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	41.2	20.3	60.9





#77

Bromobenzene

Concen: 49.85 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Instrument :

MSVOA_U

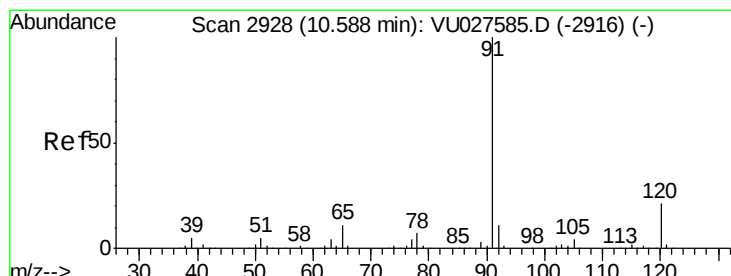
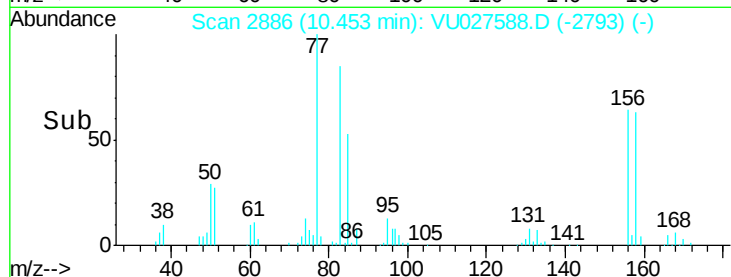
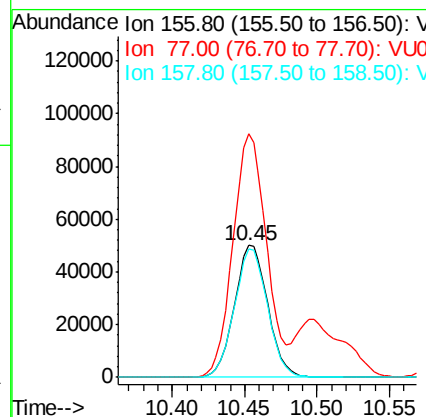
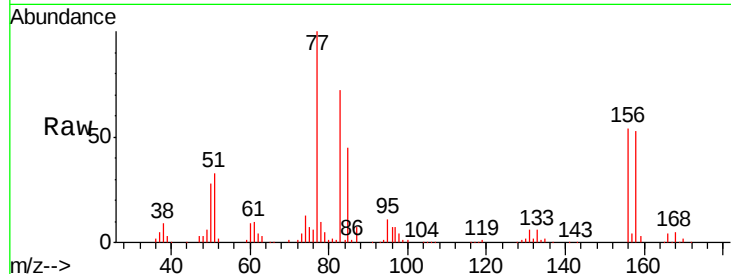
ClientSampleId :

ICVVU101118

Tgt Ion	Ratio	Lower	Upper
156	100		
77	185.3	94.8	284.4
158	97.3	47.4	142.3

Manual Integrations
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#78

n-propylbenzene

Concen: 53.11 ug/l

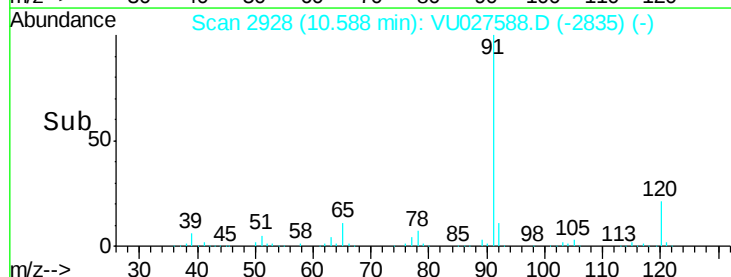
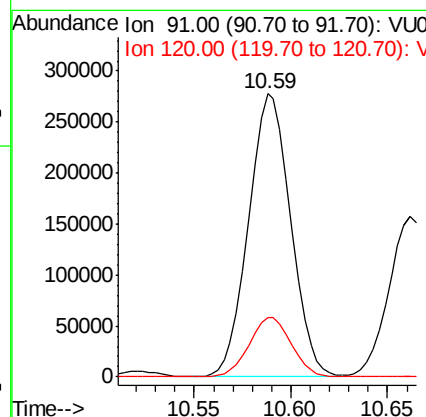
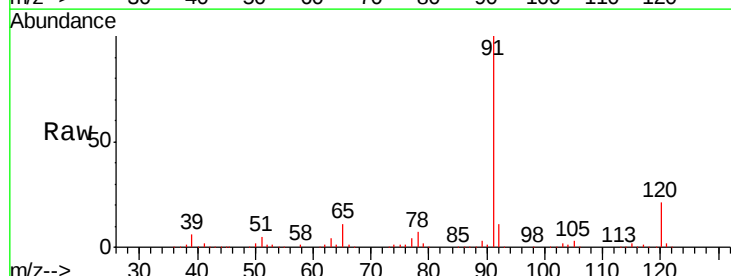
RT: 10.59 min Scan# 2928

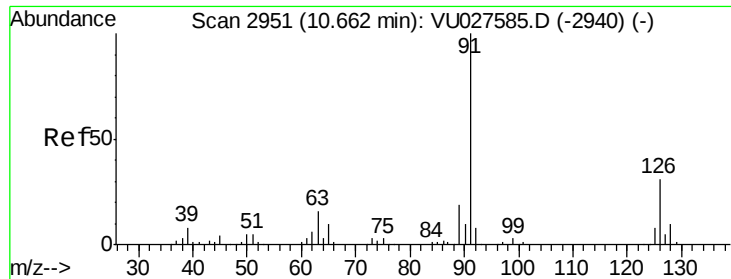
Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.6	31.8





#79

2-Chlorotoluene

Concen: 50.31 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

ICVVU101118

Tgt Ion: 91 Resp: 244206

Ion Ratio Lower Upper

91 100

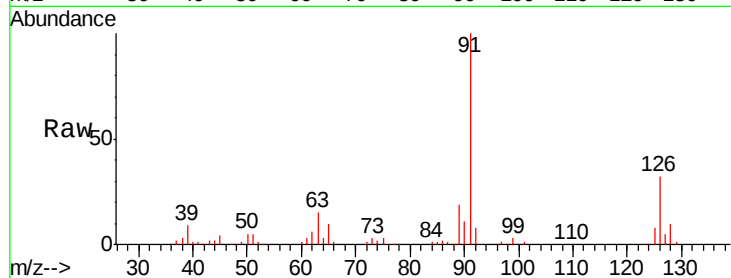
126 31.5 15.7 47.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU027585.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027585.D (-2940) (-)

300000

250000

200000

150000

100000

50000

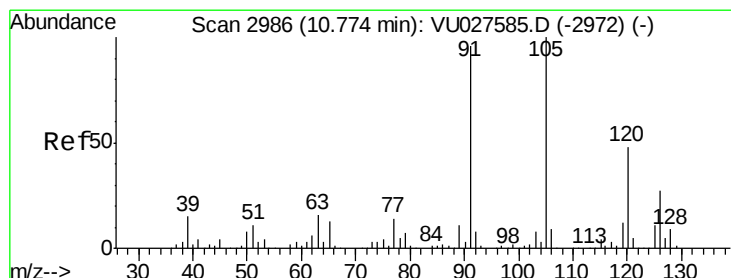
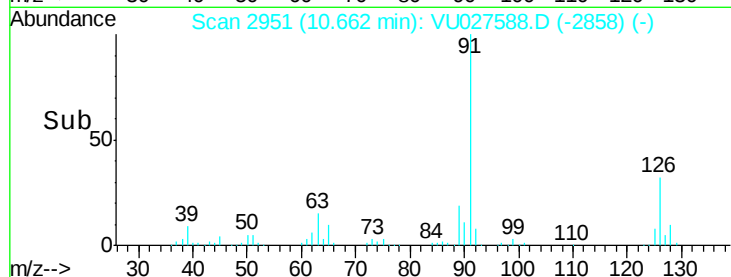
0

10.60

10.65

10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.95 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027588.D

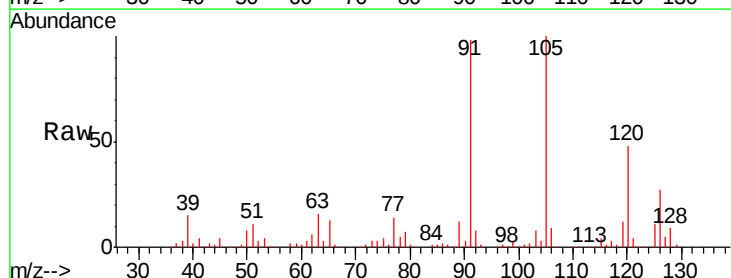
Acq: 11 Oct 2018 10:57

Tgt Ion: 105 Resp: 288125

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027585.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027585.D (-2972) (-)

200000

150000

100000

50000

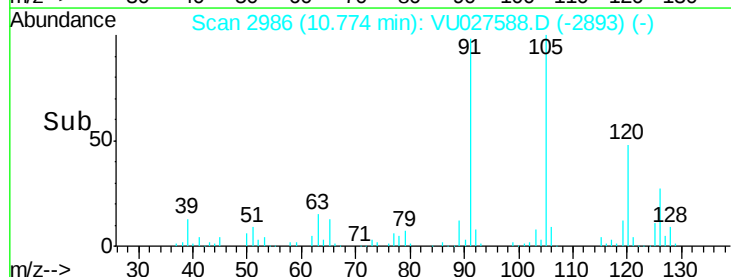
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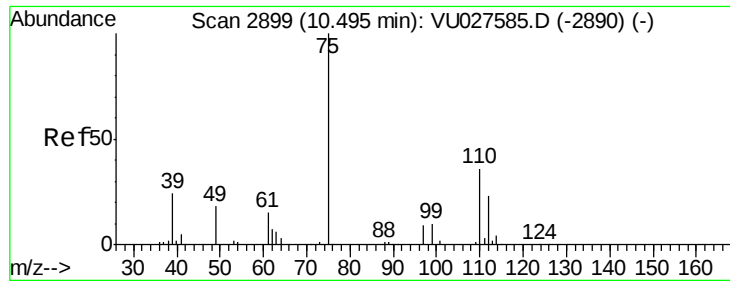
10.70

10.75

10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 53.15 ug/l m

RT: 10.51 min Scan# 2903

Delta R.T. 0.01 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Instrument :

MSVOA_U

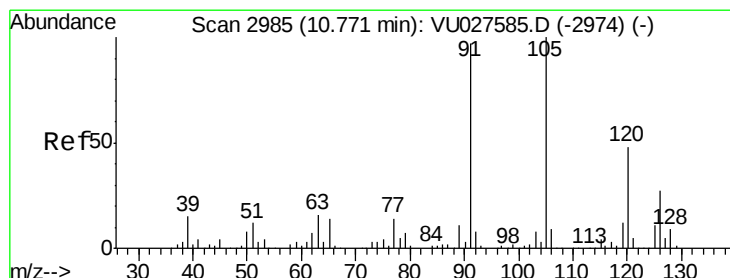
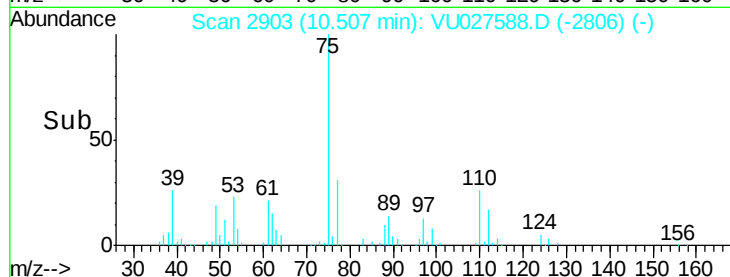
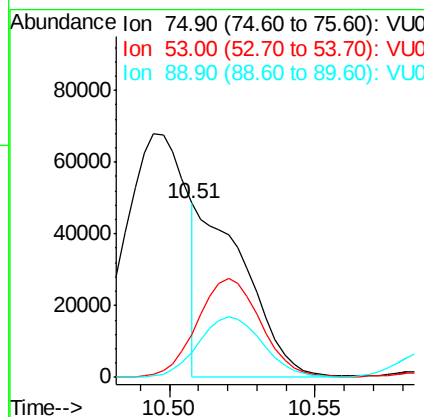
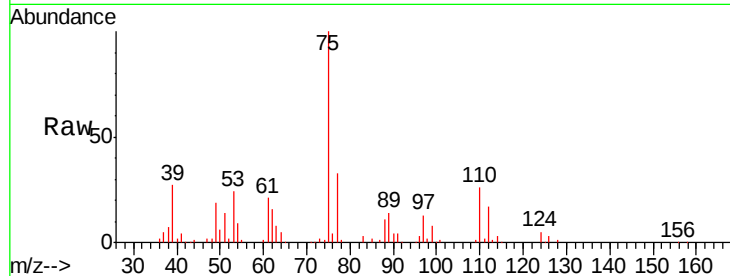
ClientSampleId :

ICVVU101118

Tgt Ion:	75	Resp:	57769
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.98 ug/l

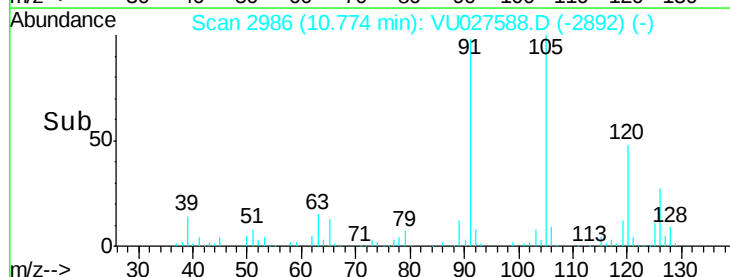
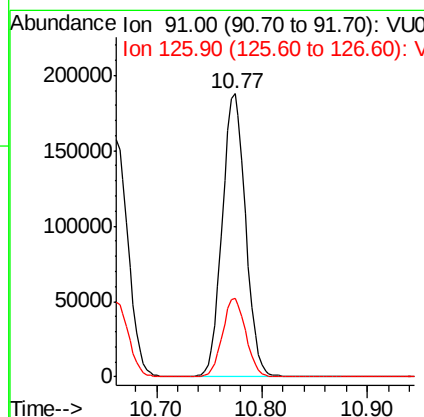
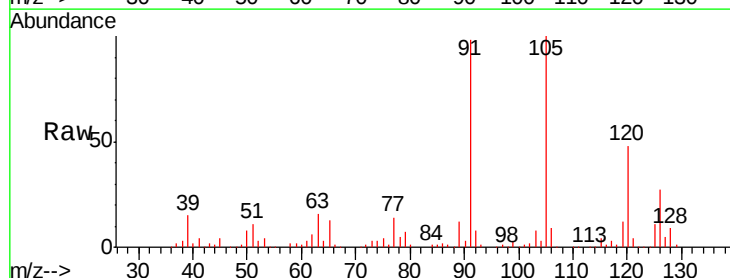
RT: 10.77 min Scan# 2986

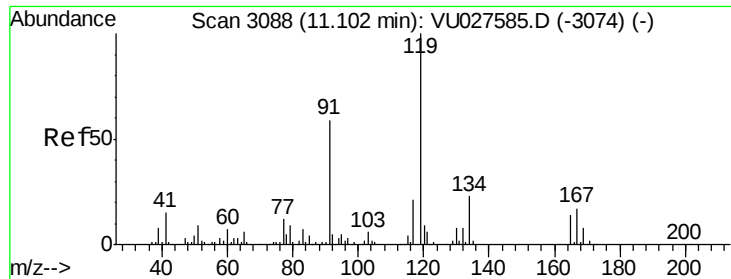
Delta R.T. 0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Tgt Ion:	91	Resp:	287336
Ion Ratio	Lower	Upper	
91	100		
126	27.6	13.6	40.8





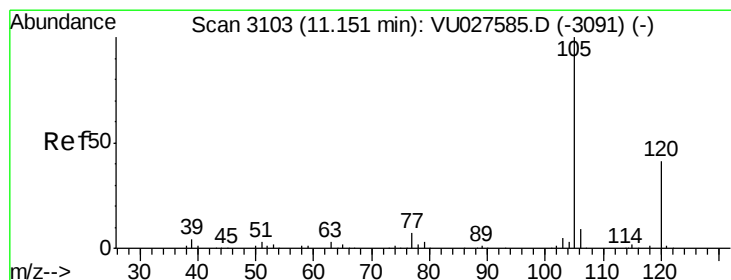
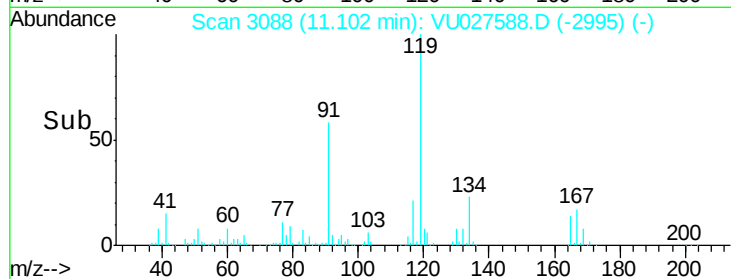
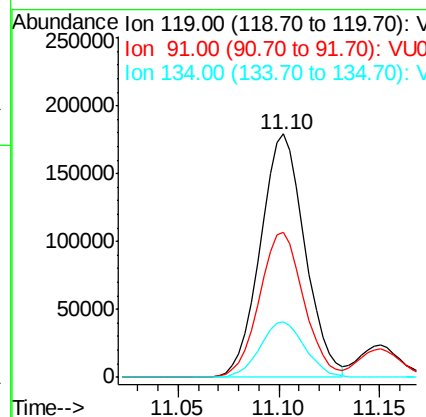
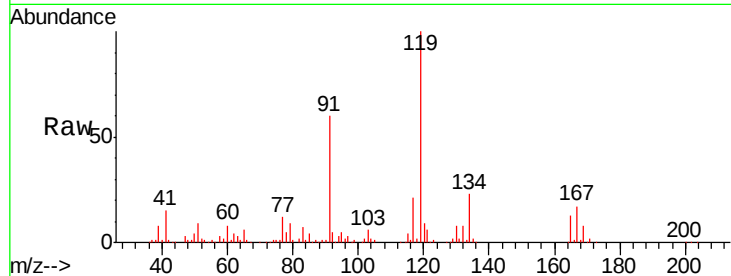
#83
tert-Butylbenzene
Concen: 51.74 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	275587		
91	59.8	30.3	91.0	
134	22.9	11.5	34.4	

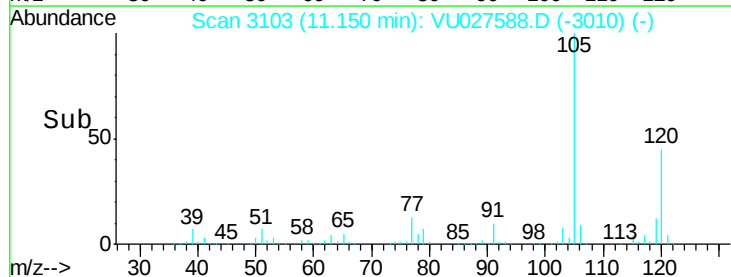
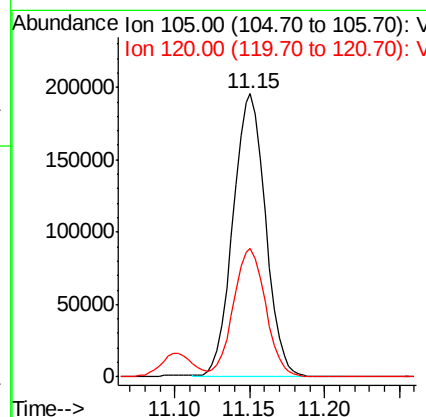
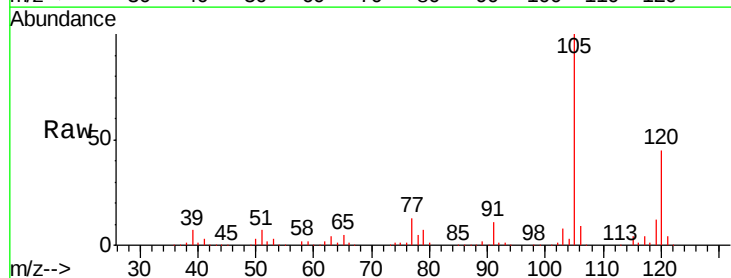
Manual Integrations
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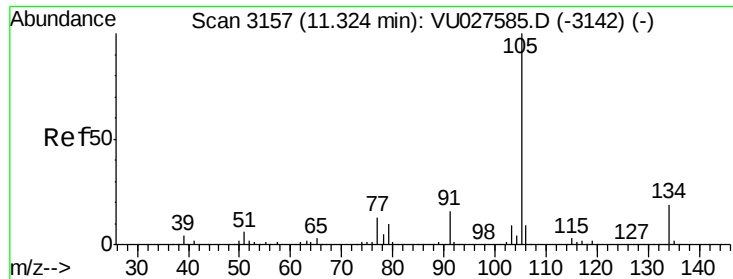
MMDadoda
10/16/2018 2:22:55 PM



#84
1,2,4-Trimethylbenzene
Concen: 49.61 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	295070		
120	45.3	22.1	66.5	





#85

sec-Butylbenzene

Concen: 49.87 ug/l

RT: 11.33 min Scan# 3158

Delta R.T. 0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

ICVVU101118

Tgt Ion:105 Resp: 350446

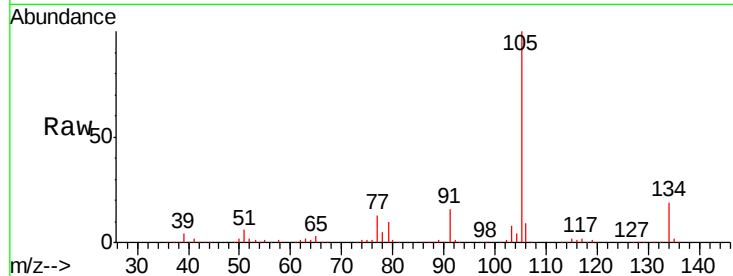
Ion Ratio Lower Upper

105 100

134 19.0 9.6 28.6

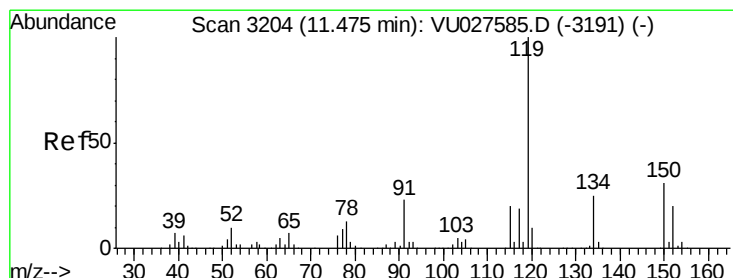
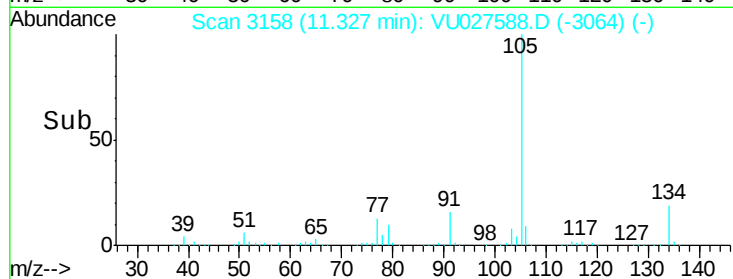
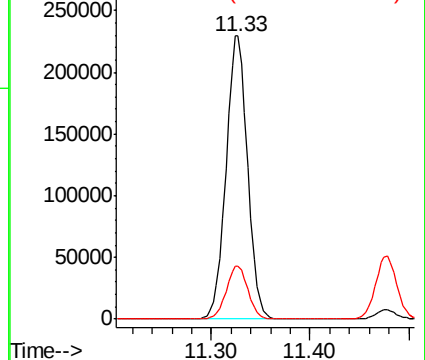
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.68 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027588.D

Acq: 11 Oct 2018 10:57

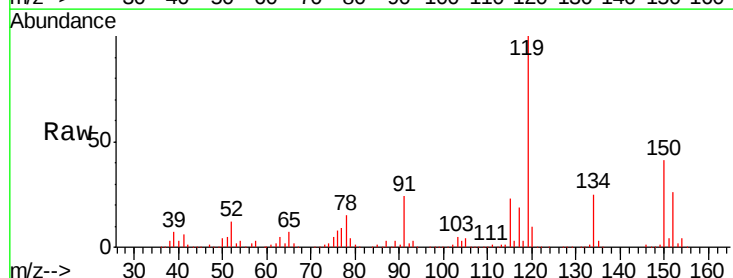
Tgt Ion:119 Resp: 303435

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

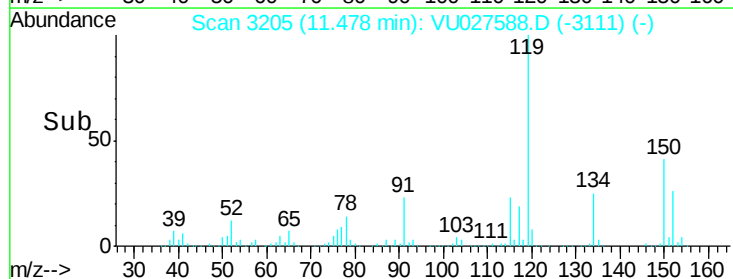
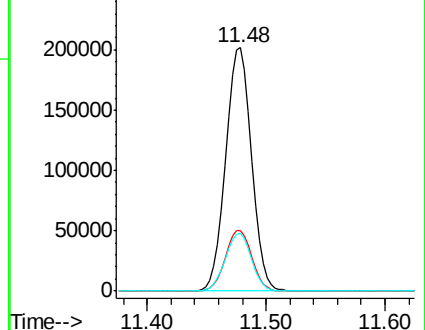
91 24.0 12.2 36.4

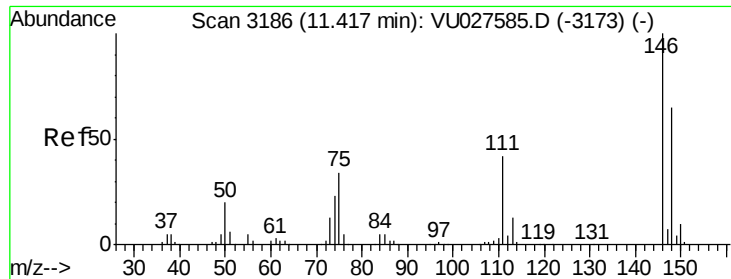


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





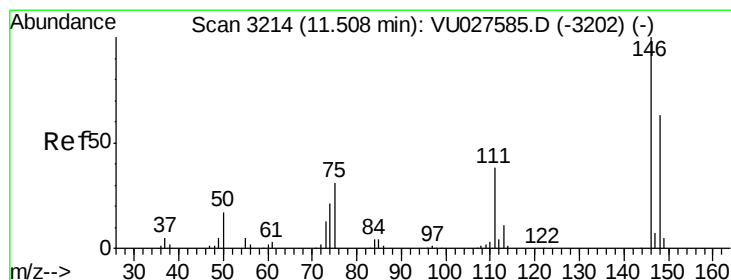
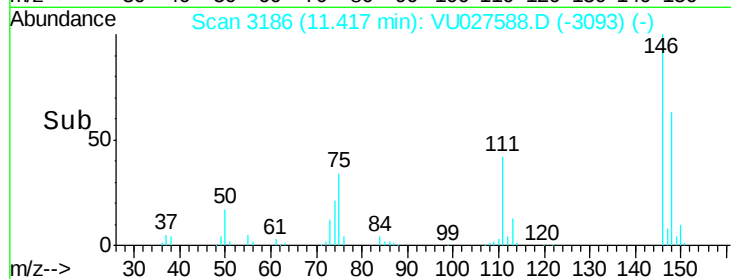
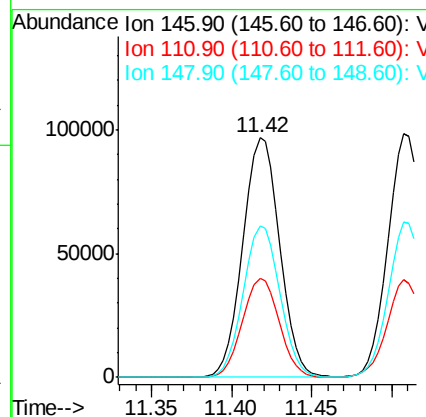
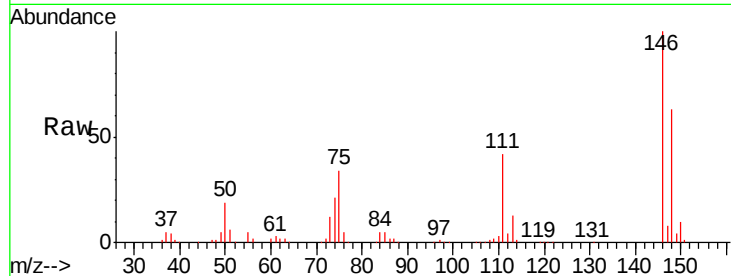
#87
 1,3-Dichlorobenzene
 Concen: 51.29 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.5
148	62.9	31.6	94.8

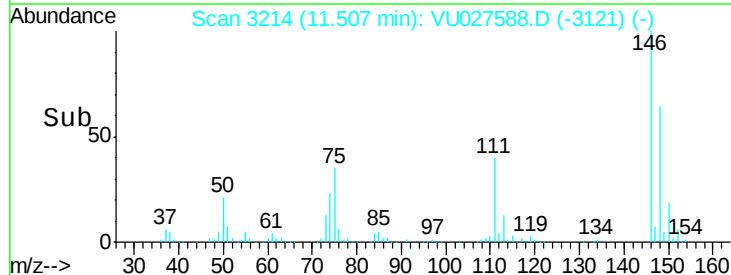
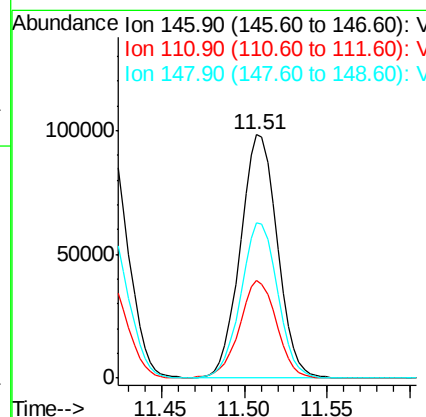
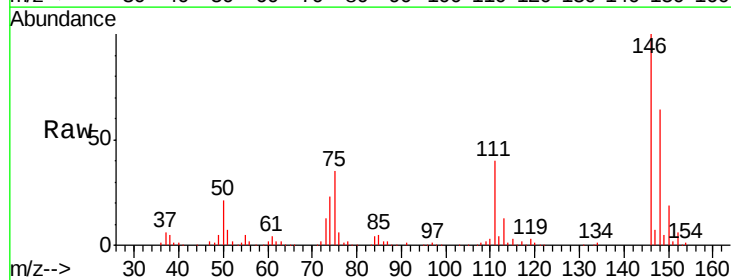
Manual Integrations
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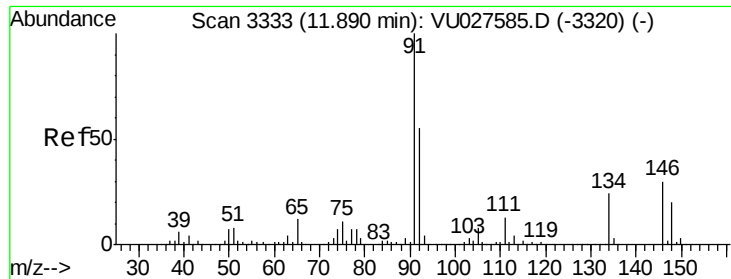
MMDadoda
 10/16/2018 2:22:55 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.61 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.2
148	63.6	31.9	95.5





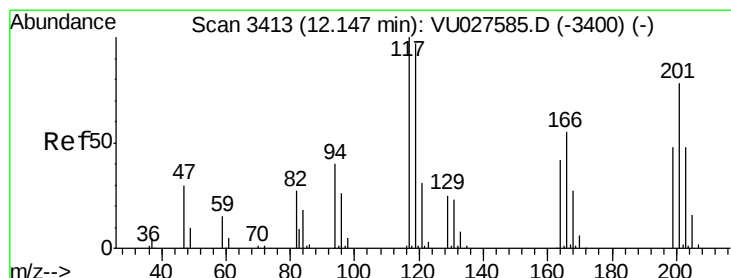
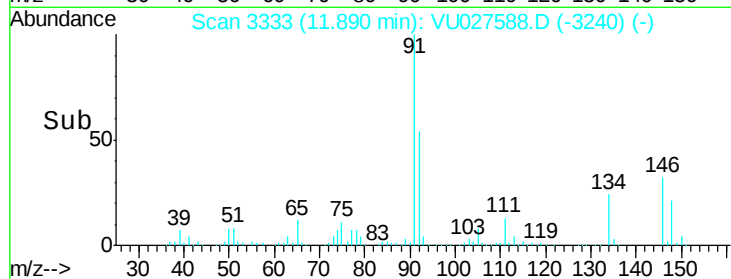
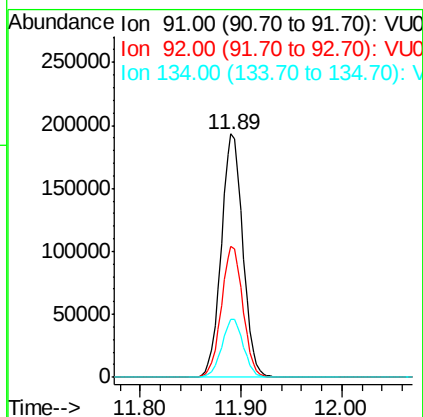
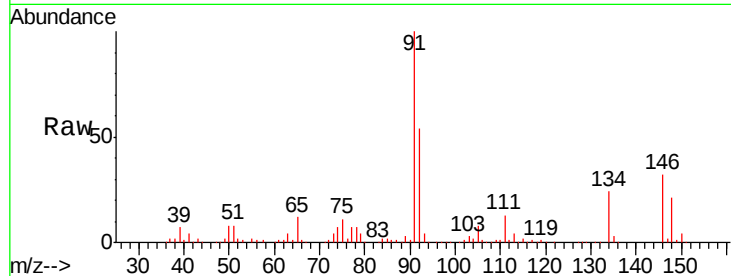
#89
n-Butylbenzene
Concen: 49.66 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion: 91 Resp: 289411
Ion Ratio Lower Upper
91 100
92 53.7 27.0 81.0
134 23.8 11.7 35.1

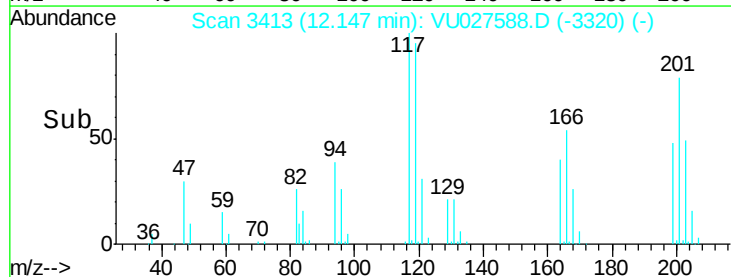
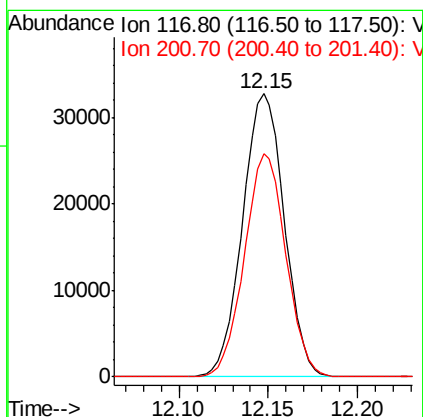
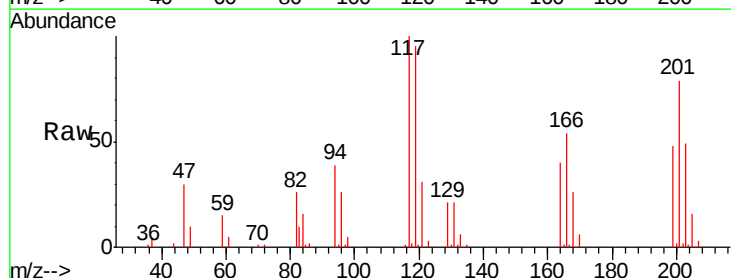
Manual Integrations
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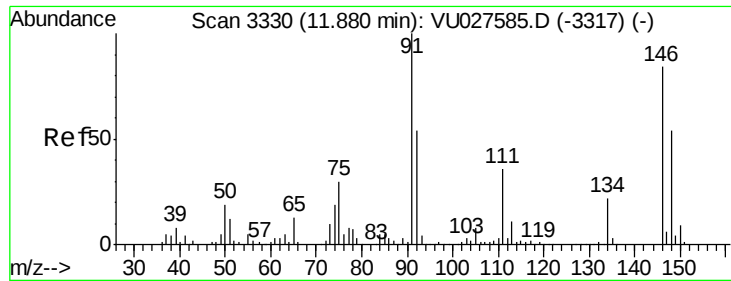
MMDadoda
10/16/2018 2:22:55 PM



#90
Hexachloroethane
Concen: 49.68 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion: 117 Resp: 53539
Ion Ratio Lower Upper
117 100
201 78.3 37.9 113.6





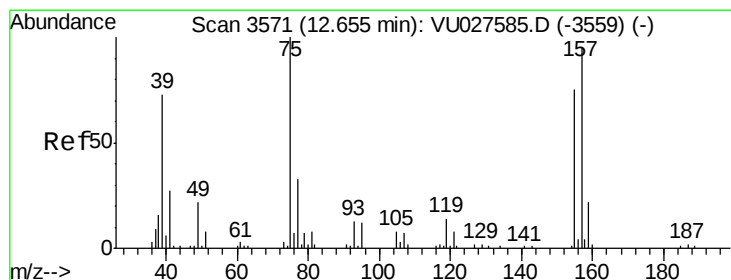
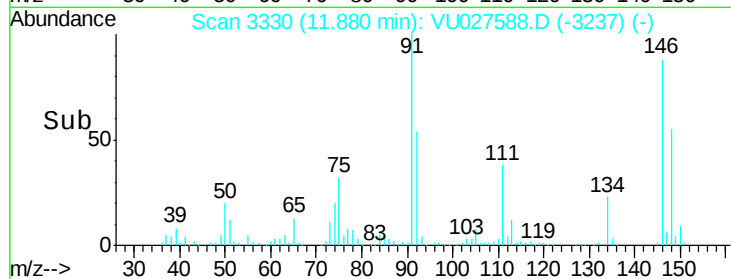
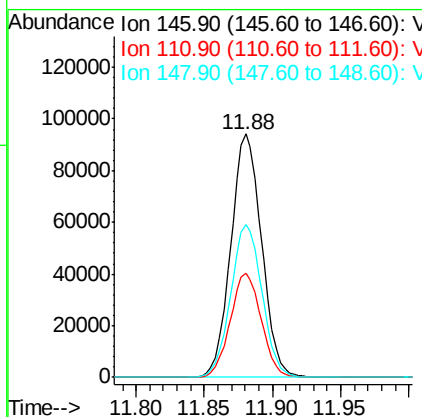
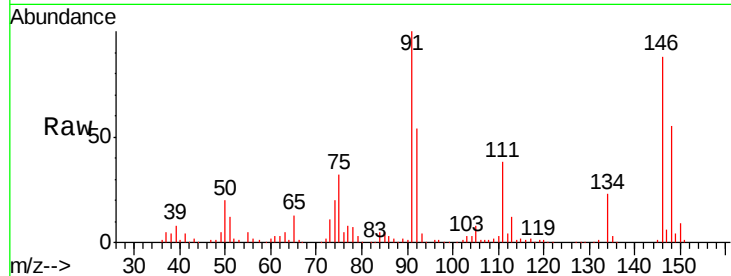
#91
 1,2-Dichlorobenzene
 Concen: 49.24 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	147218		
111	43.2	21.8	65.4	
148	63.7	31.9	95.5	

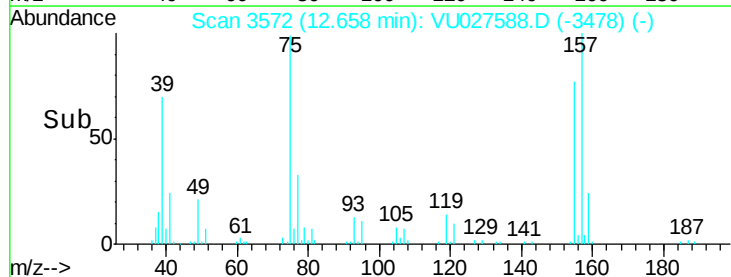
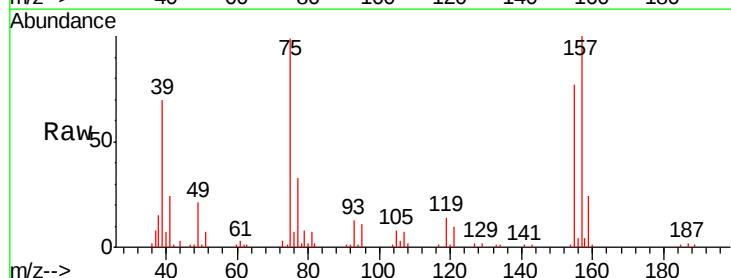
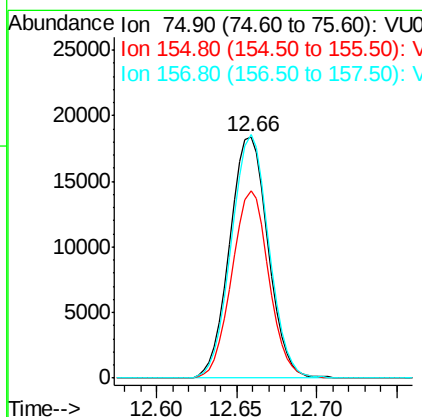
Manual Integrations
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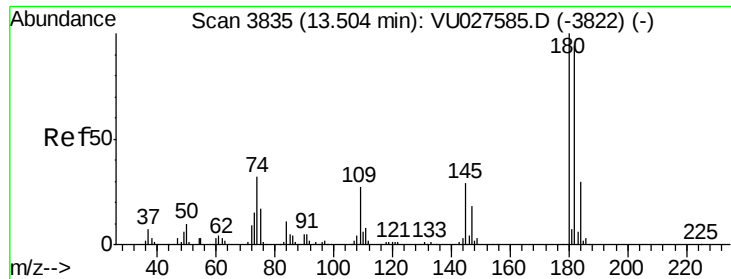
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.99 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30030		
155	75.0	35.9	107.8	
157	98.7	46.9	140.6	





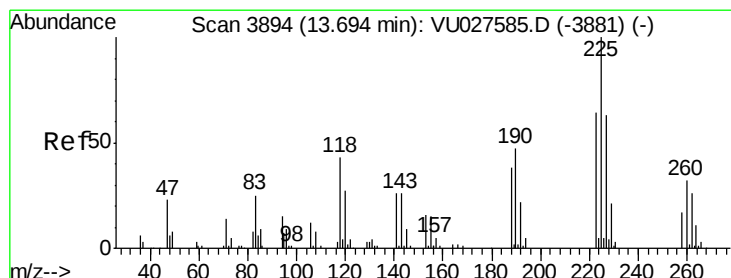
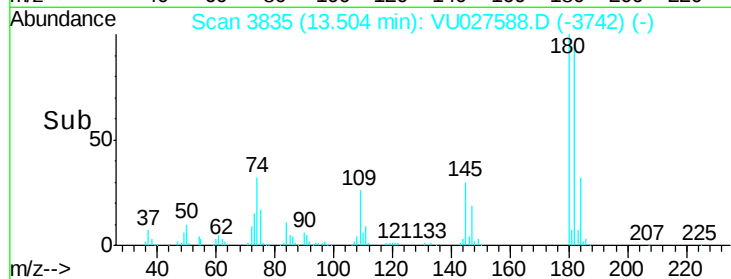
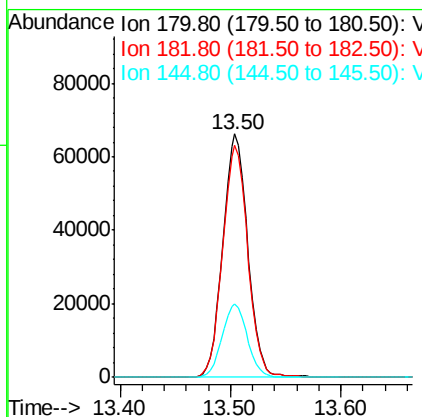
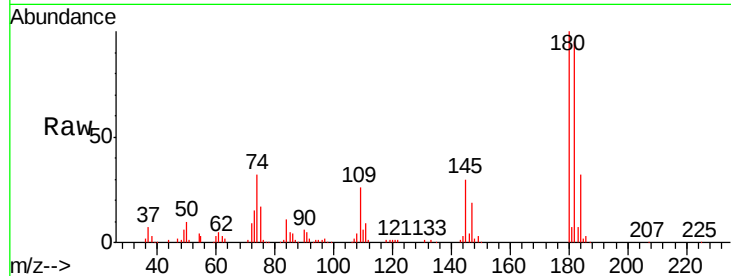
#93
 1,2,4-Trichlorobenzene
 Concen: 50.16 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU101118

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.3
145	30.3	14.6	44.0

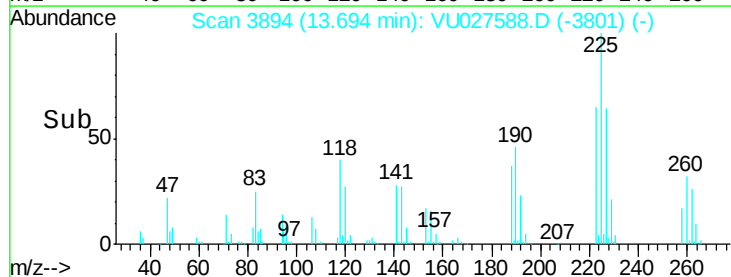
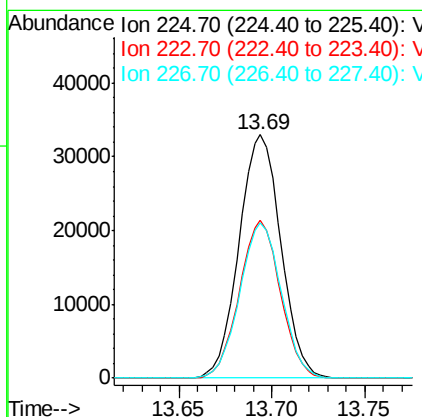
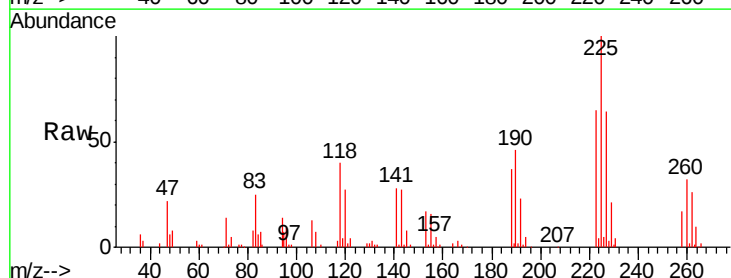
Manual Integrations
 APPROVED

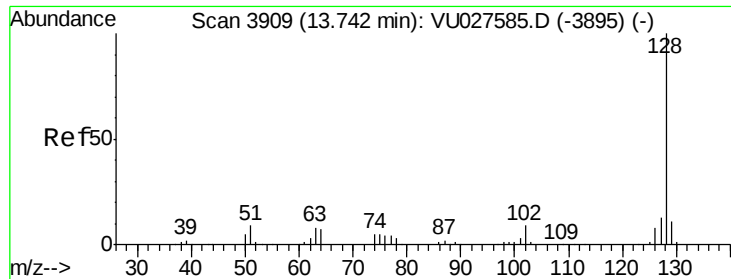
MMDadoda
 10/16/2018 2:22:55 PM



#94
 Hexachlorobutadiene
 Concen: 53.85 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027588.D
 Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.8	95.3
227	63.2	31.9	95.7





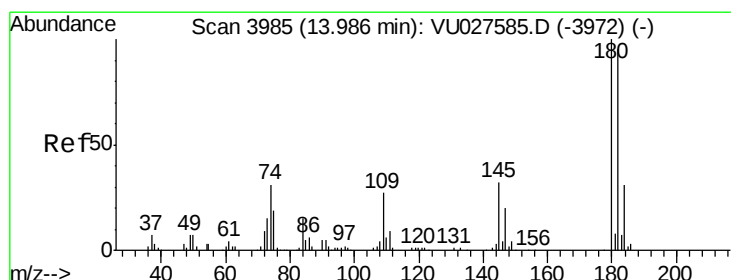
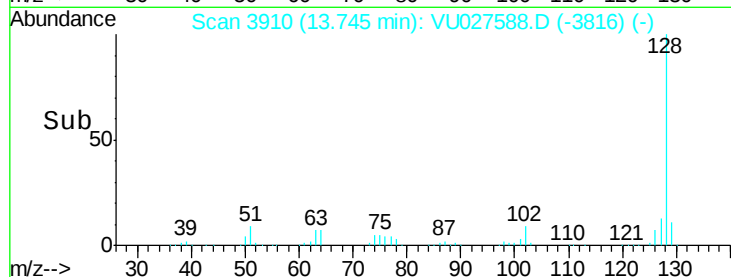
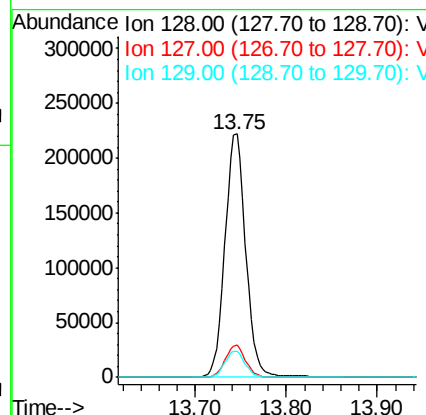
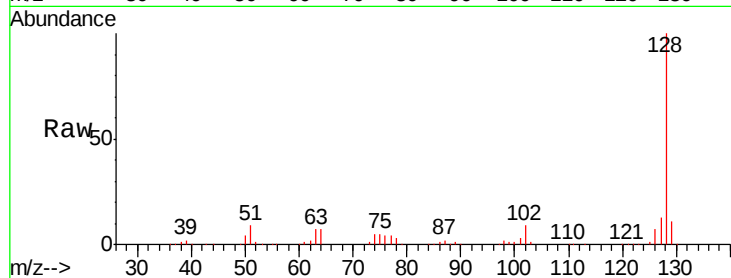
#95
Naphthalene
Concen: 49.35 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
ICVVU101118

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.8	8.6	12.8

Manual Integrations
APPROVED

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10/16/2018 2:22:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.47 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027588.D
Acq: 11 Oct 2018 10:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.4	142.2
145	31.0	15.9	47.7

