

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027141.D
 Acq On : 25 Sep 2018 21:26
 Operator : MD/SY
 Sample : VU0926WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:33:16 PM

Quant Time: Sep 26 06:47:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	76703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	133061	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	130582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68623	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	83603	54.15	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.30%		
35) Dibromofluoromethane	4.88	113	58132	50.40	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.80%		
50) Toluene-d8	7.57	98	219960	50.04	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.08%		
62) 4-Bromofluorobenzene	10.31	95	76986	51.04	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.08%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	17205	17.180	ug/l	97
3) Chloromethane	1.33	50	30728	17.797	ug/l	98
4) Vinyl Chloride	1.40	62	29013	18.001	ug/l	99
5) Bromomethane	1.62	94	15118	16.472	ug/l	98
6) Chloroethane	1.70	64	19623	19.055	ug/l	98
7) Trichlorofluoromethane	1.89	101	32961	18.006	ug/l	98
8) Diethyl Ether	2.11	74	16522	18.752	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	20251	17.992	ug/l	98
10) Methyl Iodide	2.41	142	13262	9.500	ug/l	98
11) Tert butyl alcohol	2.83	59	38428	108.601	ug/l	100
12) 1,1-Dichloroethene	2.28	96	19431	18.342	ug/l	95
13) Acrolein	2.20	56	13779	72.238	ug/l	98
14) Allyl chloride	2.59	41	44879	20.887	ug/l	97
15) Acrylonitrile	2.94	53	95970	107.611	ug/l	98
16) Acetone	2.32	43	89282	98.845	ug/l	100
17) Carbon Disulfide	2.48	76	58511	16.954	ug/l	99
18) Methyl Acetate	2.62	43	51909	23.624	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	81733	20.995	ug/l	100
20) Methylene Chloride	2.70	84	26223	18.967	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	20943	18.516	ug/l	96
22) Diisopropyl ether	3.58	45	103427	22.505	ug/l	98
23) Vinyl Acetate	3.53	43	423650	108.140	ug/l	98
24) 1,1-Dichloroethane	3.45	63	51906	20.506	ug/l	99
25) 2-Butanone	4.27	43	139090	107.209	ug/l	96
26) 2,2-Dichloropropane	4.23	77	35770	18.120	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	25323	19.825	ug/l	98
28) Bromochloromethane	4.55	49	28651	23.481	ug/l	93
29) Tetrahydrofuran	4.64	42	89214	113.674	ug/l	96
30) Chloroform	4.67	83	47687	20.296	ug/l	99
31) Cyclohexane	5.00	56	44991	19.199	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	38150	20.336	ug/l	99
36) 1,1-Dichloropropene	5.14	75	33210	18.701	ug/l	98
37) Ethyl Acetate	4.39	43	50519	21.014	ug/l	98
38) Carbon Tetrachloride	5.14	117	31972	18.919	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	35282	18.282	ug/l	95
40) Benzene	5.39	78	102310	18.951	ug/l	99
41) Methacrylonitrile	4.54	41	27132	21.731	ug/l	96
42) 1,2-Dichloroethane	5.41	62	40715	19.962	ug/l	100
43) Isopropyl Acetate	5.55	43	75334	21.487	ug/l	97
44) Trichloroethene	6.19	130	21790	18.959	ug/l	98
45) 1,2-Dichloropropane	6.44	63	31018	20.165	ug/l	96
46) Dibromomethane	6.56	93	17784	19.143	ug/l	98
47) Bromodichloromethane	6.76	83	35921	19.122	ug/l	98
48) Methyl methacrylate	6.63	41	36692	19.851	ug/l	96
49) 1,4-Dioxane	6.61	88	14760	388.421	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	262997	111.534	ug/l	97
52) Toluene	7.64	92	60566	19.572	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	40031	19.834	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	43226	19.478	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	25981	19.815	ug/l	98
56) Ethyl methacrylate	8.02	69	39626	18.847	ug/l	96
57) 1,3-Dichloropropane	8.24	76	49253	20.196	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	119431	95.563	ug/l	98
59) 2-Hexanone	8.36	43	196546	106.484	ug/l	97
60) Dibromochloromethane	8.48	129	25057	19.482	ug/l	98
61) 1,2-Dibromoethane	8.59	107	25892	18.979	ug/l	97
64) Tetrachloroethene	8.23	164	18512	18.397	ug/l	98
65) Chlorobenzene	9.12	112	63392	18.309	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	22746	19.073	ug/l	99
67) Ethyl Benzene	9.25	91	107427	18.868	ug/l	99
68) m/p-Xylenes	9.38	106	79733	35.561	ug/l	96
69) o-Xylene	9.78	106	38717	19.193	ug/l	97
70) Styrene	9.79	104	63606	18.085	ug/l	99
71) Bromoform	9.96	173	18010	19.529	ug/l #	98
73) Isopropylbenzene	10.17	105	104859	20.088	ug/l	100
74) N-amyl acetate	10.02	43	62305	20.620	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	45844	19.101	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	41521m	19.917	ug/l	
77) Bromobenzene	10.45	156	24348	19.087	ug/l	94
78) n-propylbenzene	10.59	91	124705	20.190	ug/l	98
79) 2-Chlorotoluene	10.66	91	77578	19.996	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	87173	20.230	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	11544m	17.721	ug/l	
82) 4-Chlorotoluene	10.77	91	87443	20.101	ug/l	99
83) tert-Butylbenzene	11.10	119	82868	19.452	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	88769	20.243	ug/l	100
85) sec-Butylbenzene	11.32	105	105216	20.232	ug/l	97
86) p-Isopropyltoluene	11.48	119	87398	18.506	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	44877	18.905	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	45359	17.532	ug/l	98
89) n-Butylbenzene	11.89	91	76577	17.806	ug/l	99
90) Hexachloroethane	12.15	117	16966	17.941	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	45795	18.162	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10039	20.504	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	26433	18.191	ug/l	98
94) Hexachlorobutadiene	13.69	225	14348	18.662	ug/l	99
95) Naphthalene	13.74	128	93807	17.643	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	29141	18.701	ug/l	99

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

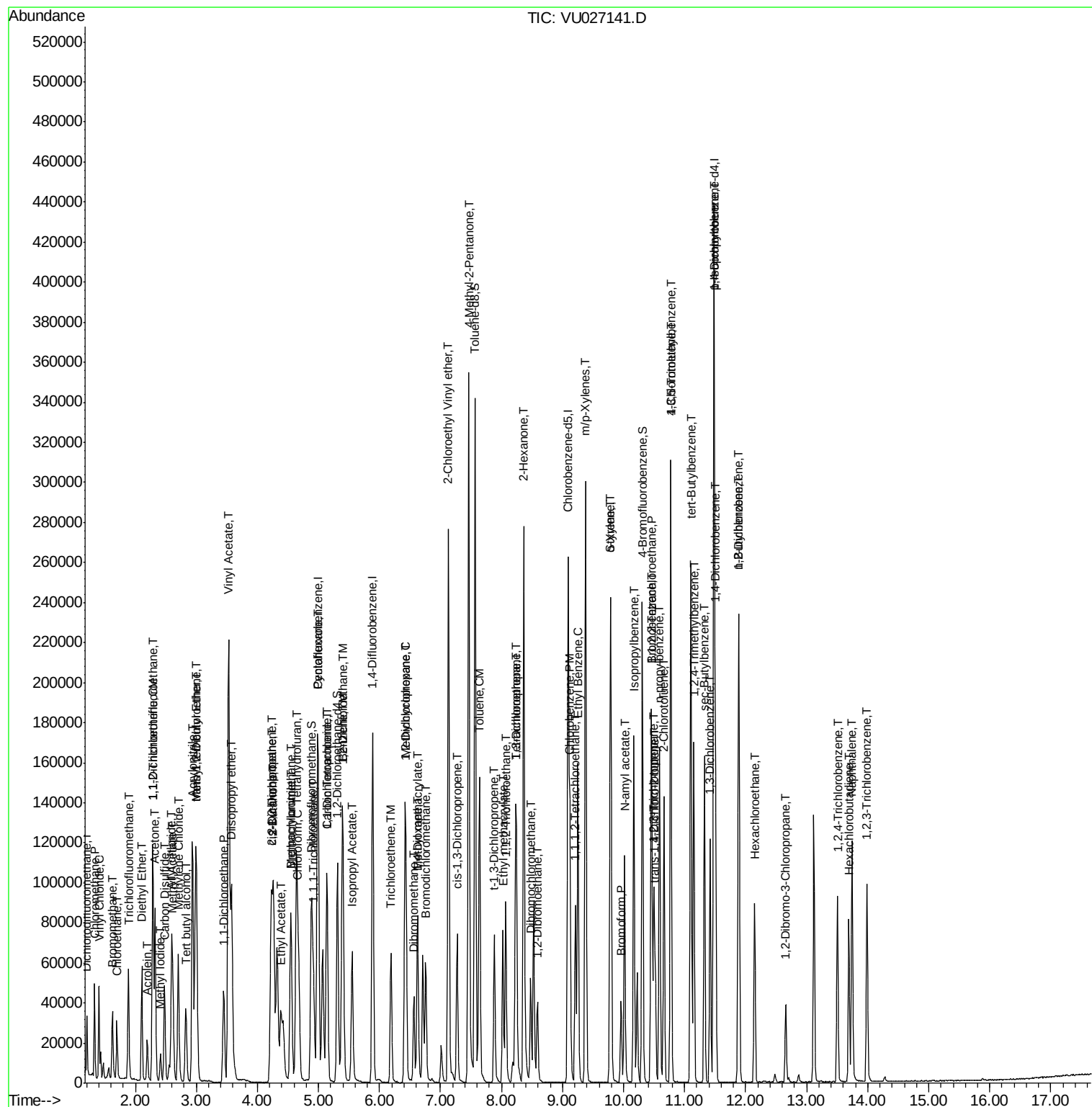
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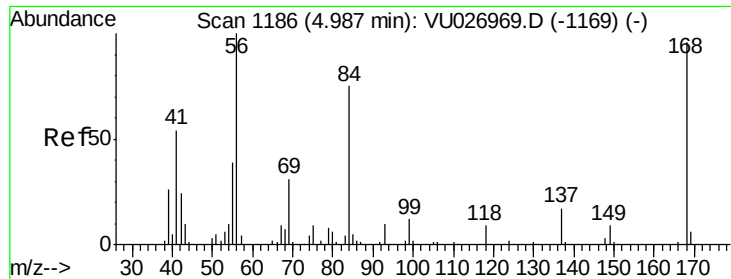
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS01

Tot Ion:168 Resp: 76703

Ion Ratio Lower Upper

168 100

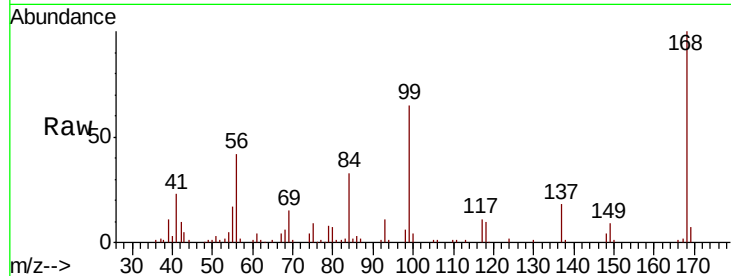
99 64.6 48.1 72.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.99

30000

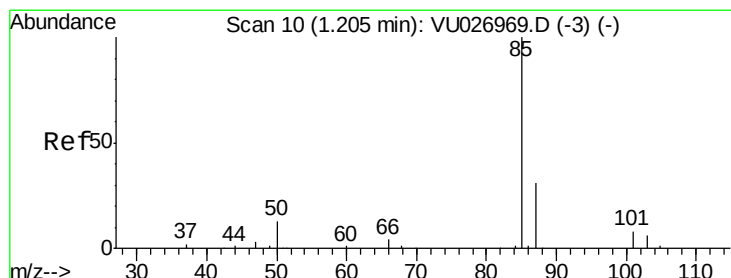
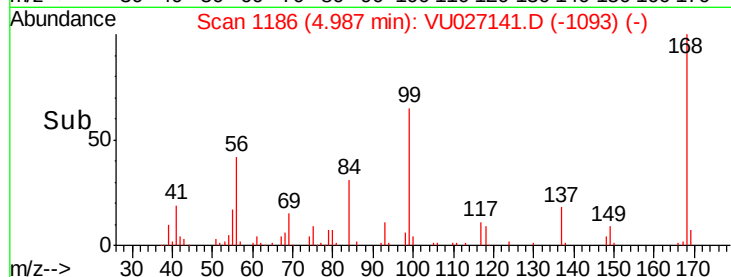
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.180 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027141.D

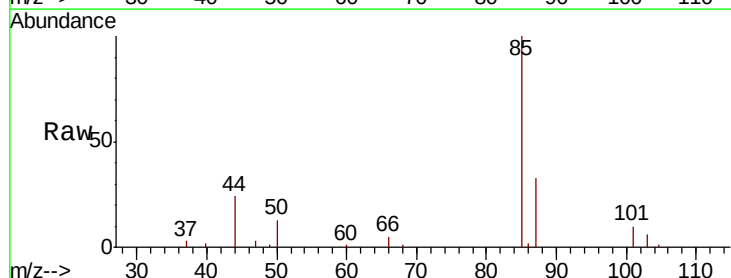
Acq: 25 Sep 2018 21:26

Tgt Ion: 85 Resp: 17205

Ion Ratio Lower Upper

85 100

87 33.0 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

1.21

15000

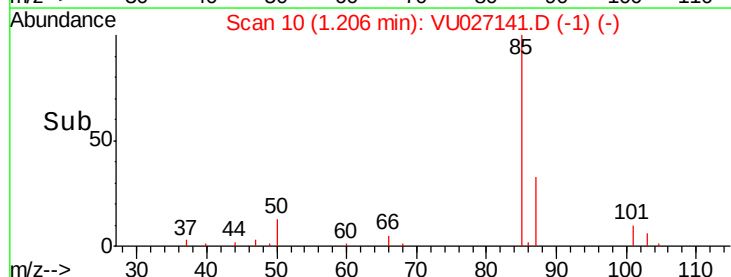
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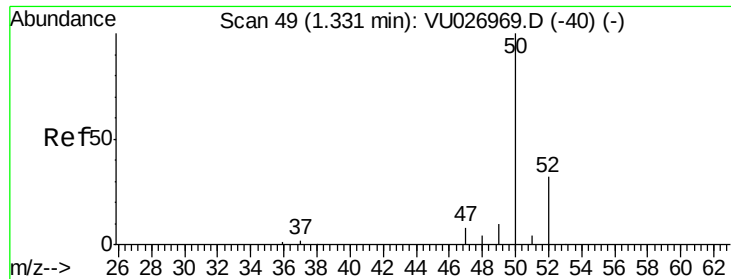
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.797 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS01

Tot Ion: 50 Resp: 30728

Ion Ratio Lower Upper

50 100

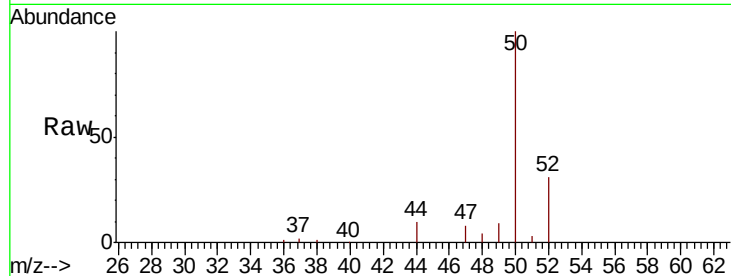
52 31.2 25.9 38.9

Manual Integrations

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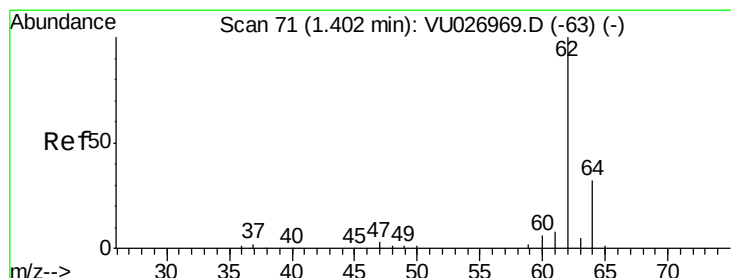
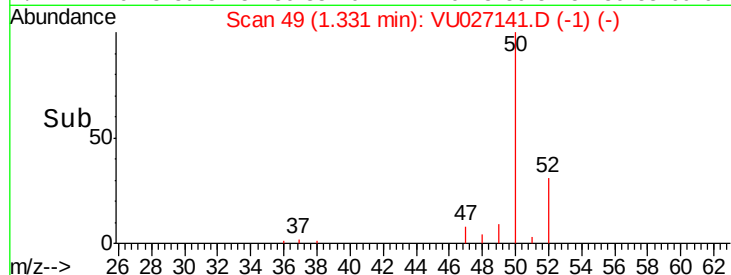
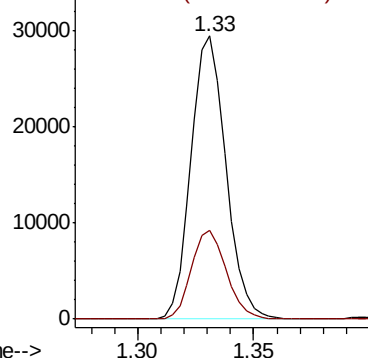
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.001 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027141.D

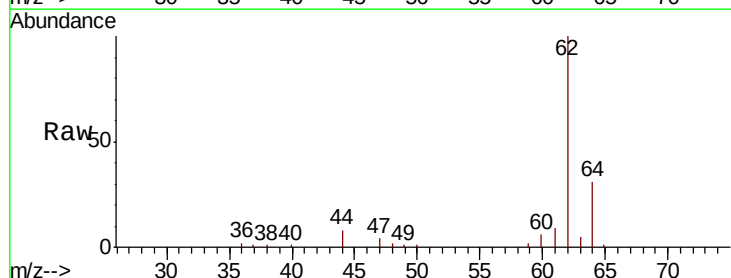
Acq: 25 Sep 2018 21:26

Tgt Ion: 62 Resp: 29013

Ion Ratio Lower Upper

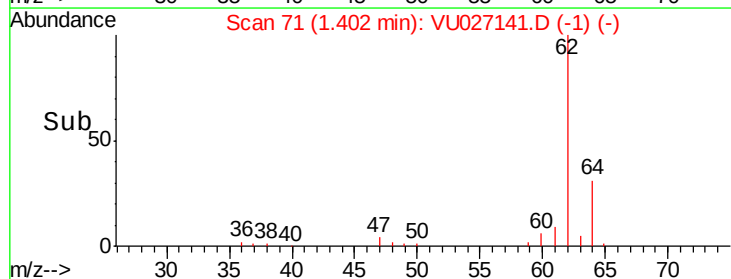
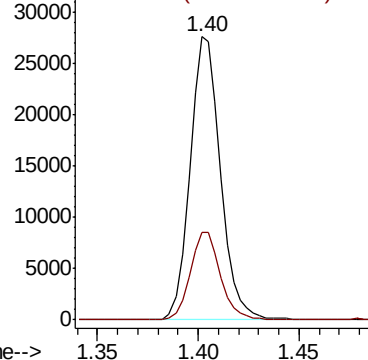
62 100

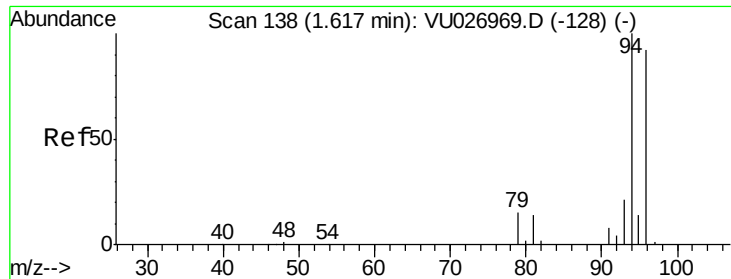
64 31.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





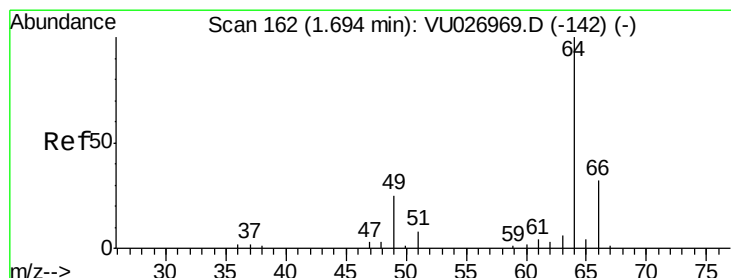
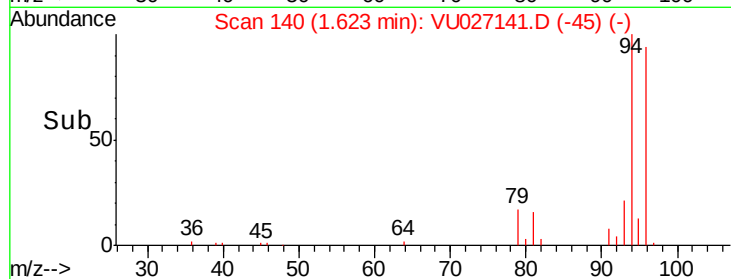
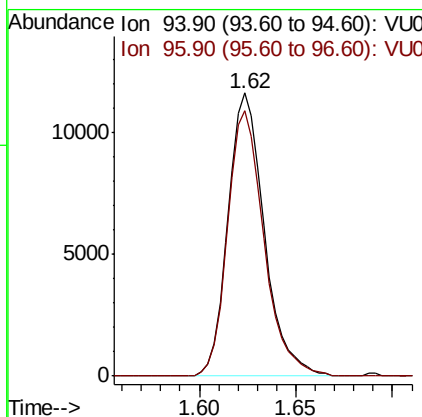
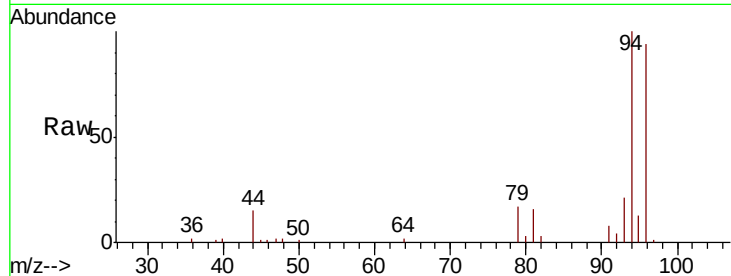
#5
Bromomethane
Concen: 16.472 ug/l
RT: 1.62 min Scan# 140
Delta R.T. 0.01 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
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ClientSampleId :
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Tot Ion: 94 Resp: 15118
Ion Ratio Lower Upper
94 100
96 93.8 73.2 109.8

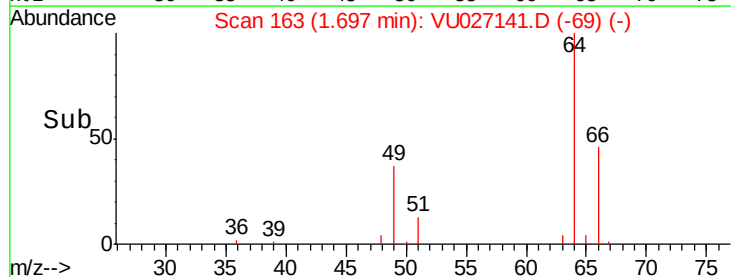
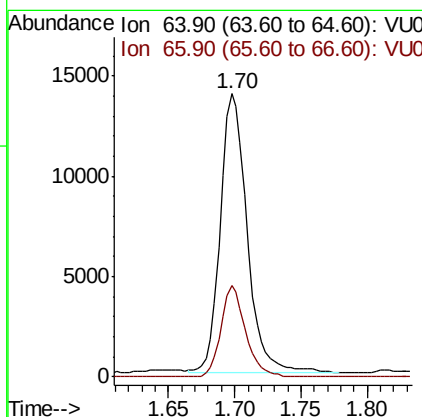
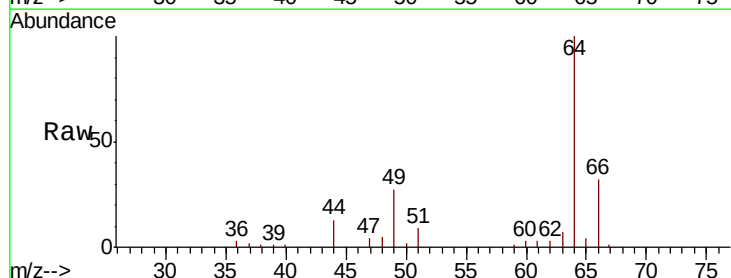
Manual Integrations
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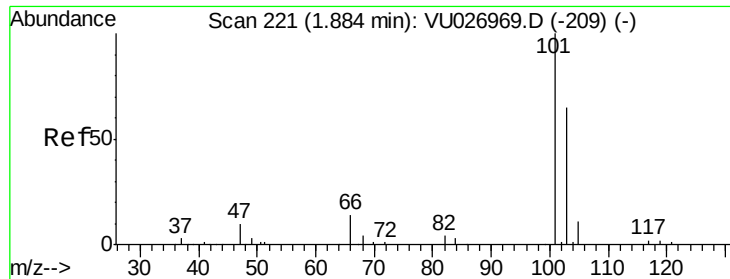
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#6
Chloroethane
Concen: 19.055 ug/l
RT: 1.70 min Scan# 163
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion: 64 Resp: 19623
Ion Ratio Lower Upper
64 100
66 32.6 25.3 37.9





#7

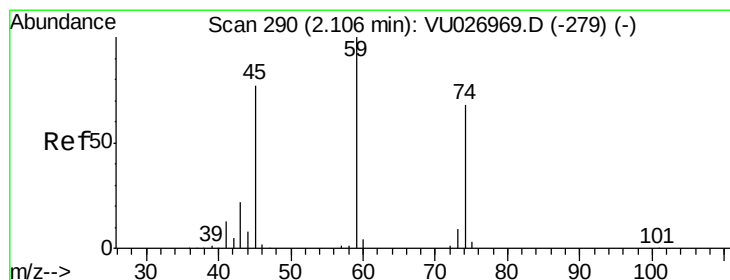
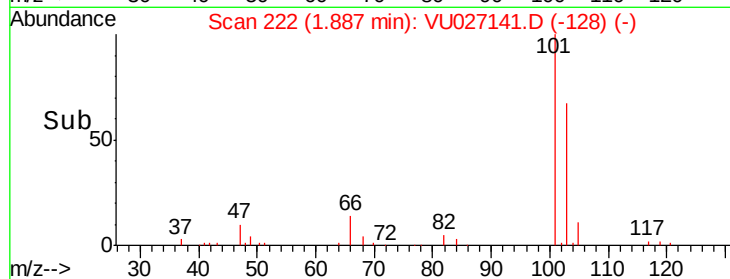
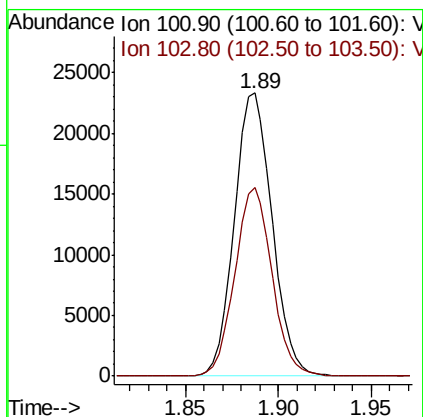
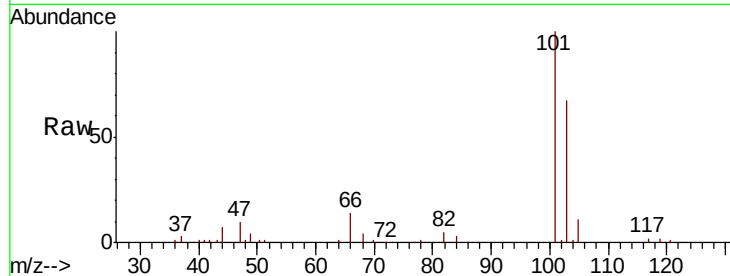
Trichlorofluoromethane
 Concen: 18.006 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS01

Tot Ion:101 Resp: 32961
 Ion Ratio Lower Upper
 101 100
 103 66.8 52.2 78.2

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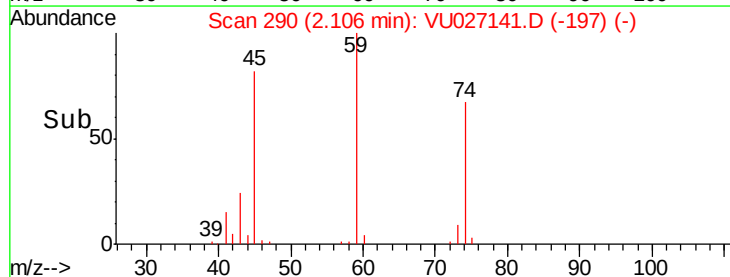
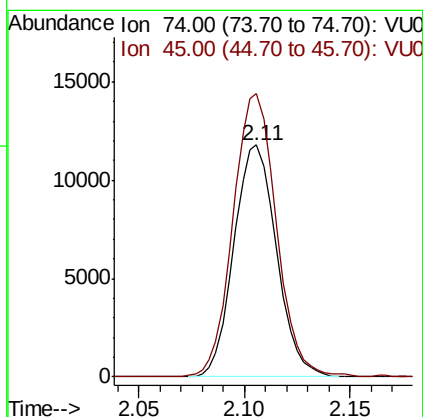
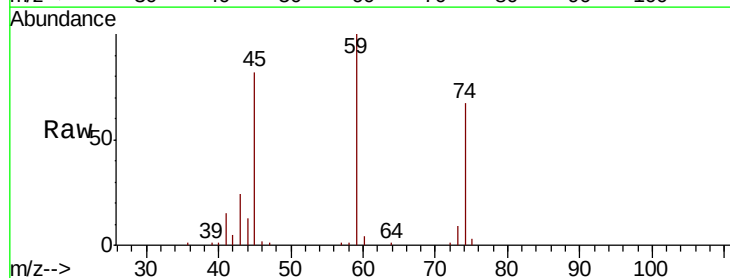
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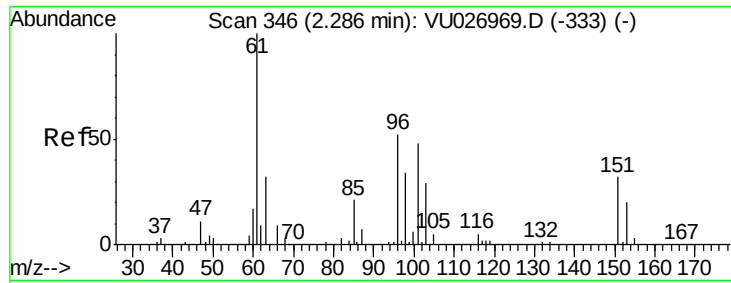


#8

Diethyl Ether
 Concen: 18.752 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Tgt Ion: 74 Resp: 16522
 Ion Ratio Lower Upper
 74 100
 45 124.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.992 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027141.D

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MSVOA_U

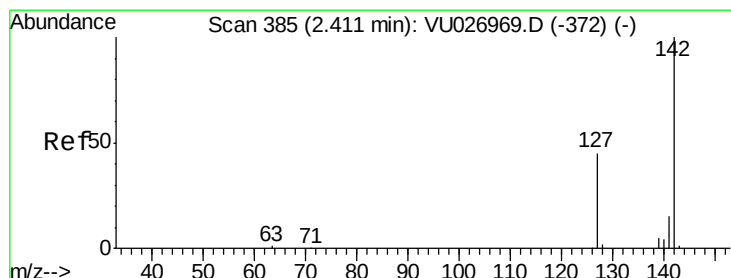
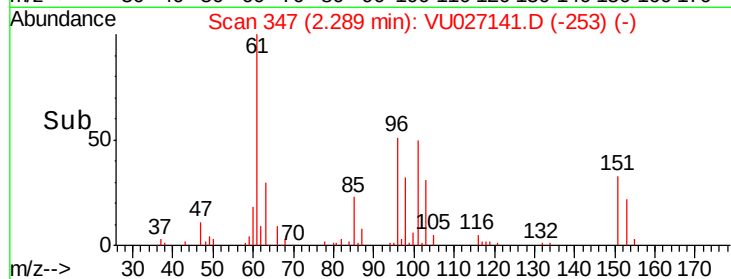
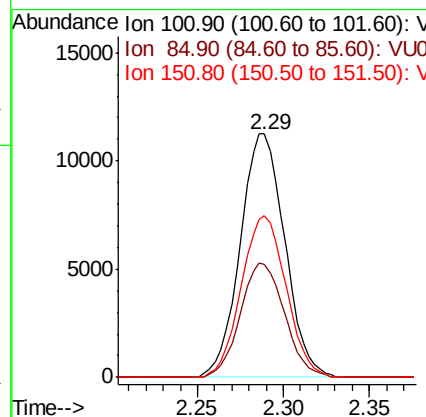
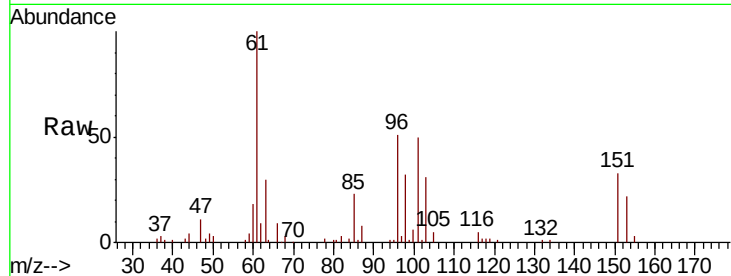
ClientSampleId :

VU0926WBS01

Tot Ion:	101	Resp:	20251
Ion Ratio	Lower	Upper	
101	100		
85	46.7	36.2	54.2
151	66.7	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 9.500 ug/l

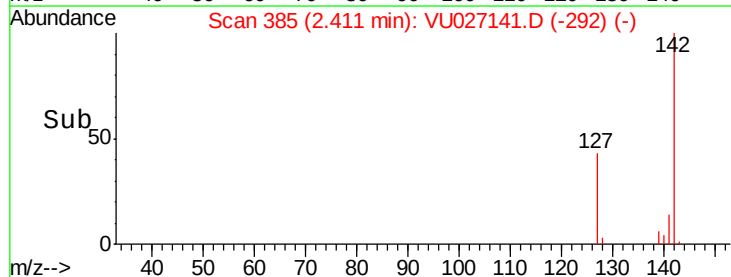
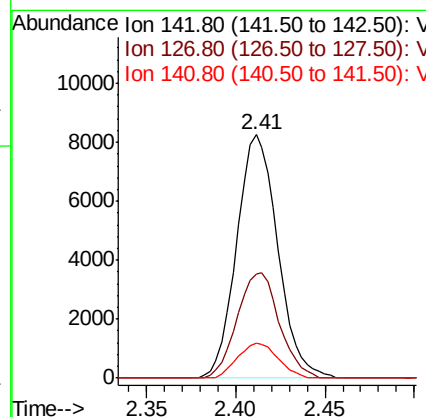
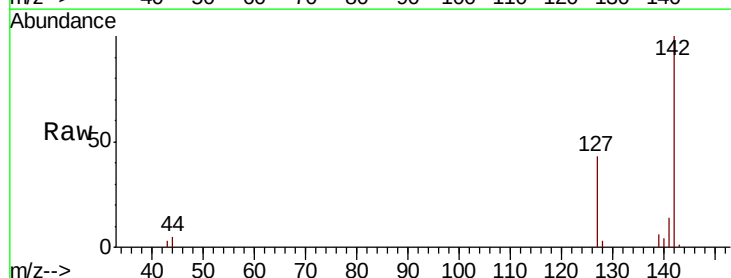
RT: 2.41 min Scan# 385

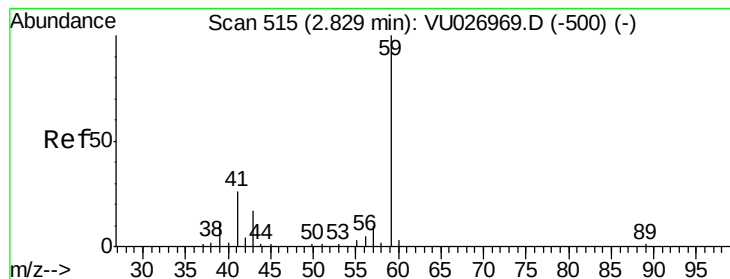
Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Tgt Ion:	142	Resp:	13262
Ion Ratio	Lower	Upper	
142	100		
127	44.3	36.7	55.1
141	14.0	11.8	17.6





#11

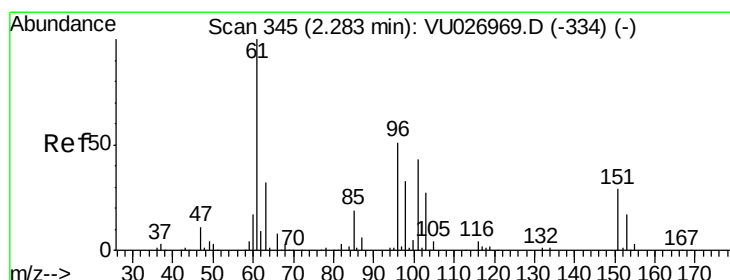
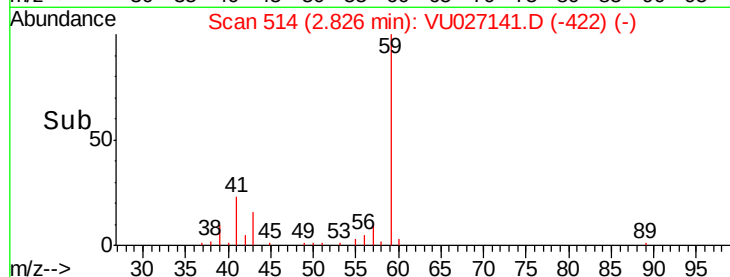
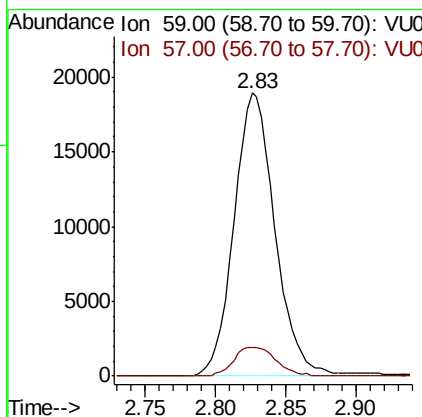
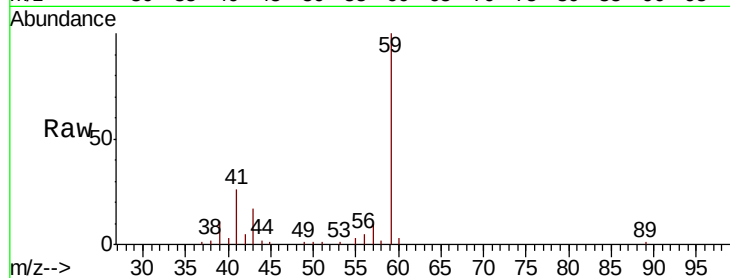
Tert butyl alcohol
 Concen: 108.601 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

Manual Integrations
 APPROVED

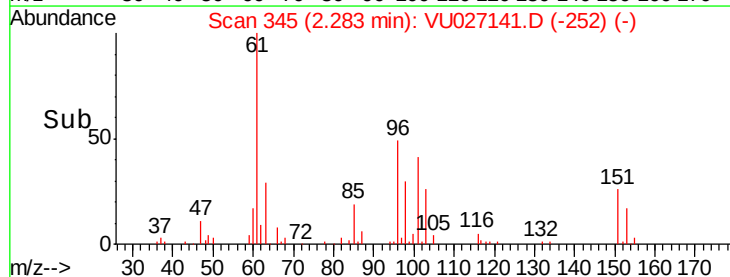
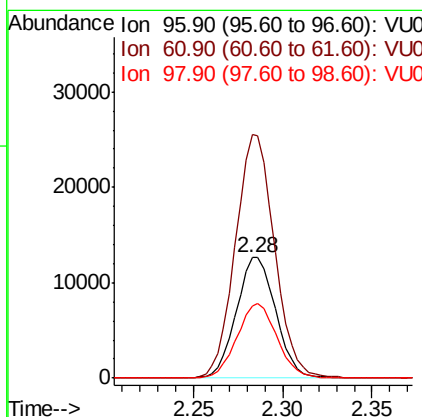
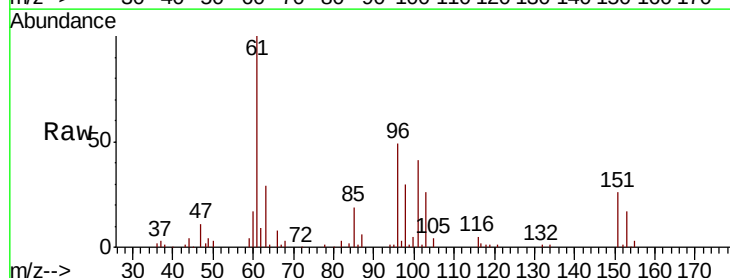
MMDadoda
 9/27/2018 3:33:16 PM

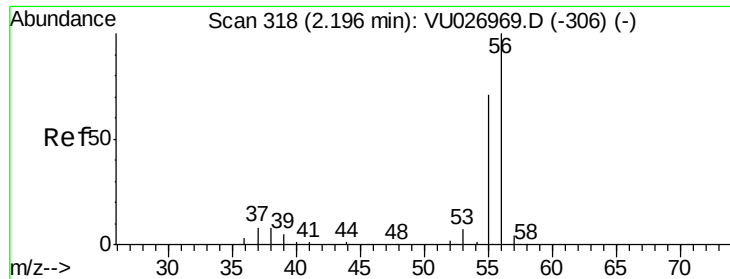


#12

1,1-Dichloroethene
 Concen: 18.342 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	202.3	156.1	234.1
98	60.3	51.4	77.0





#13

Acrolein

Concen: 72.238 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS01

Tot Ion: 56 Resp: 13779

Ion Ratio Lower Upper

56 100

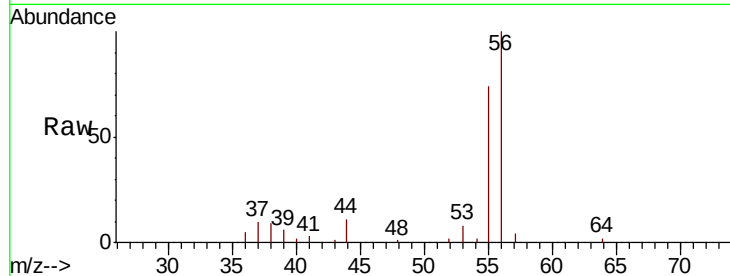
55 72.7 57.1 85.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

10000

8000

6000

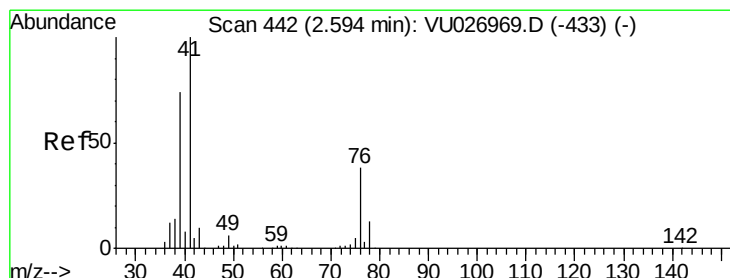
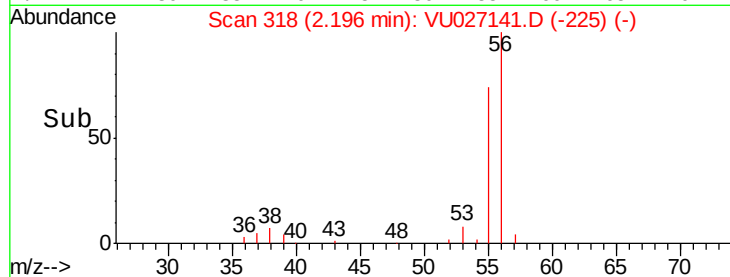
4000

2000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 20.887 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

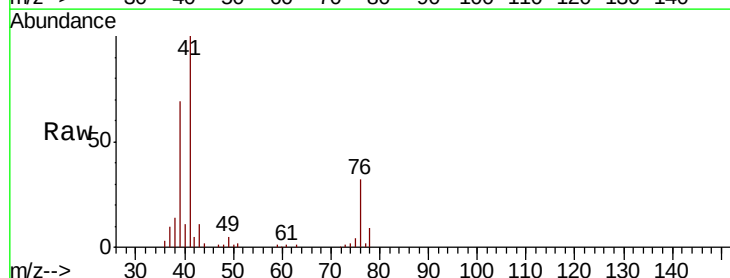
Tgt Ion: 41 Resp: 44879

Ion Ratio Lower Upper

41 100

39 67.3 55.7 83.5

76 31.4 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

30000

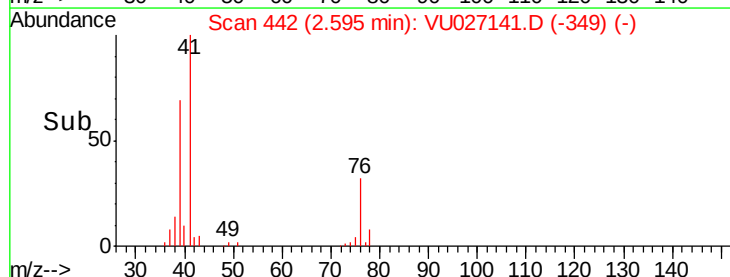
20000

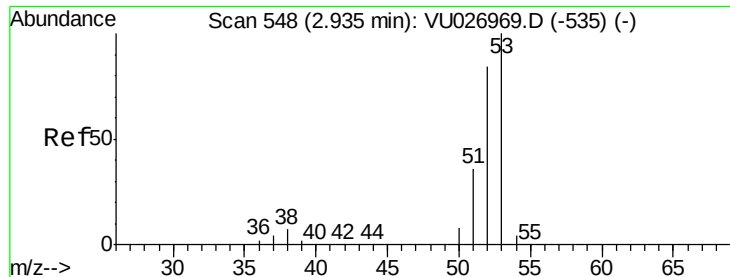
10000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 107.611 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Instrument :

MSVOA_U

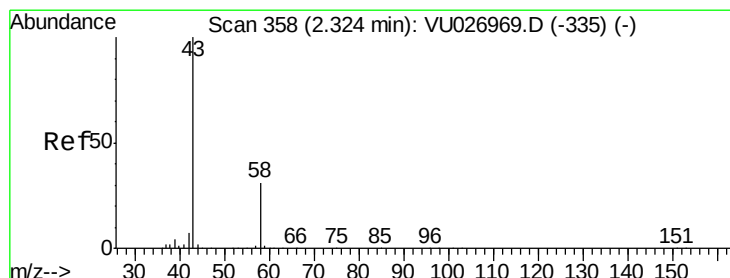
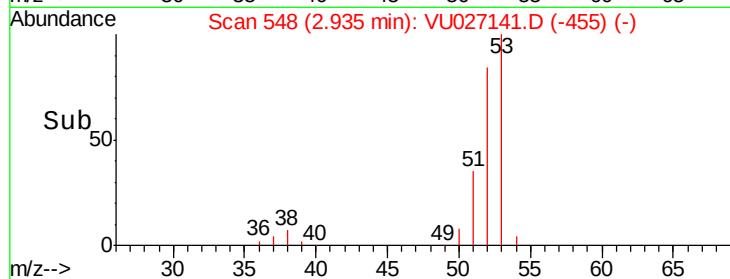
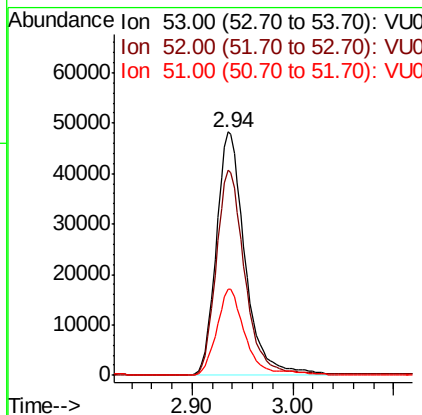
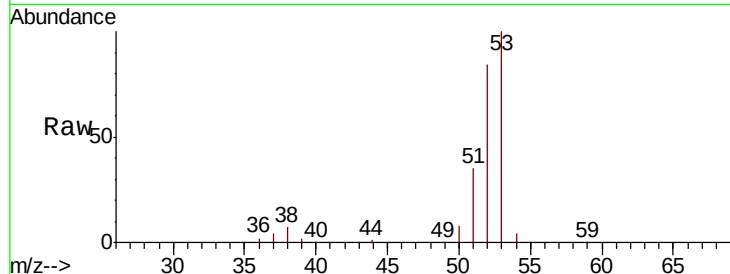
ClientSampleId :

VU0926WBS01

Tot Ion:	53	Resp:	95970
Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.7	98.5
51	34.0	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 98.845 ug/l

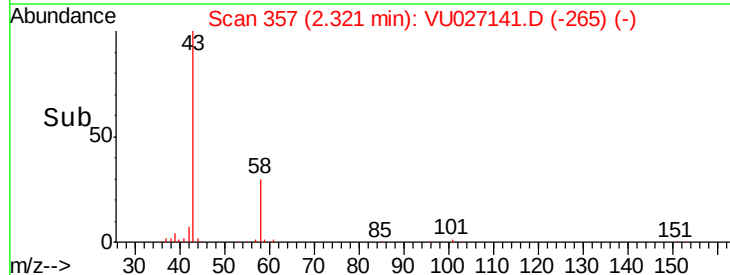
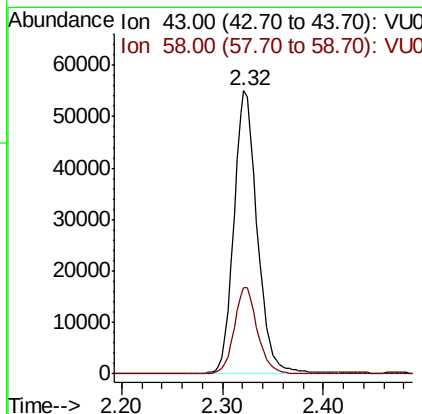
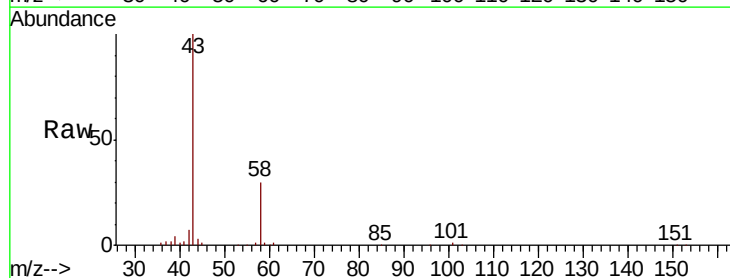
RT: 2.32 min Scan# 357

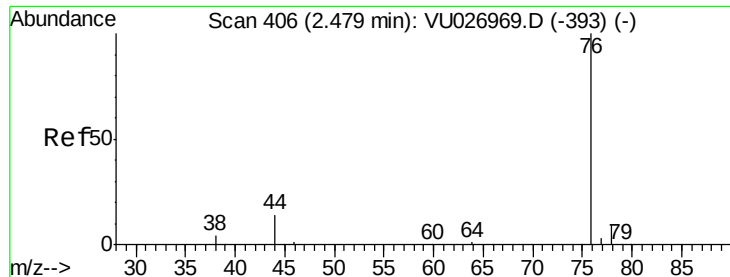
Delta R.T. -0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Tgt Ion:	43	Resp:	89282
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.6	36.8





#17

Carbon Disulfide

Concen: 16.954 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS01

Tot Ion: 76 Resp: 58511

Ion Ratio Lower Upper

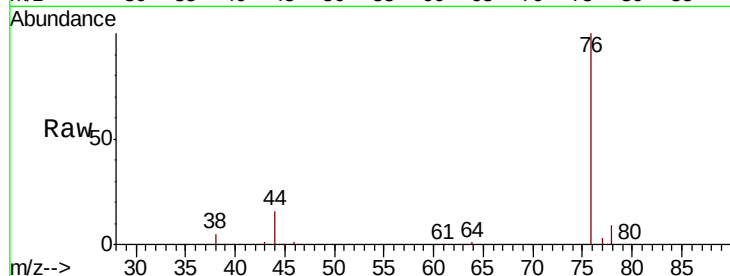
76 100

78 9.3 7.1 10.7

Manual Integrations
APPROVED

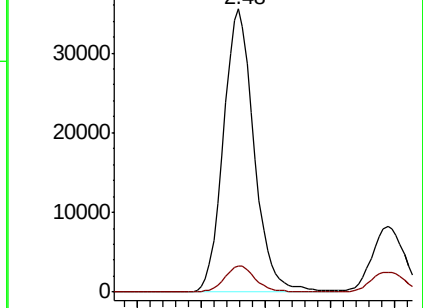
MMDadoda

9/27/2018 3:33:16 PM

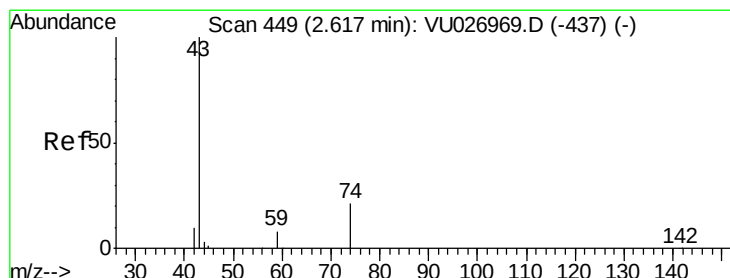
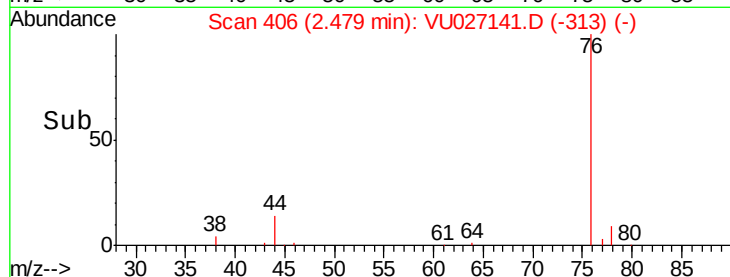


Abundance Ion 75.90 (75.60 to 76.60): VU027141.D (-313) (-)

Ion 77.90 (77.60 to 78.60): VU027141.D (-313) (-)



Time-->



#18

Methyl Acetate

Concen: 23.624 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027141.D

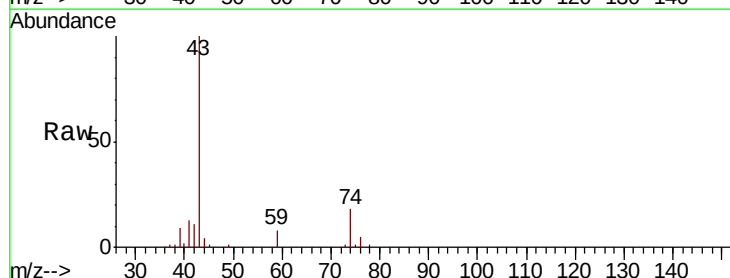
Acq: 25 Sep 2018 21:26

Tgt Ion: 43 Resp: 51909

Ion Ratio Lower Upper

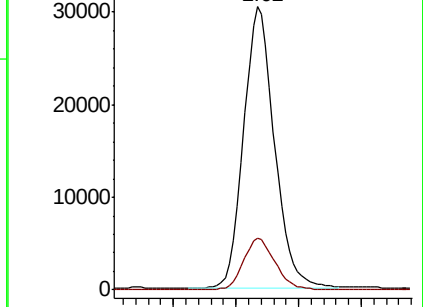
43 100

74 18.7 16.6 25.0

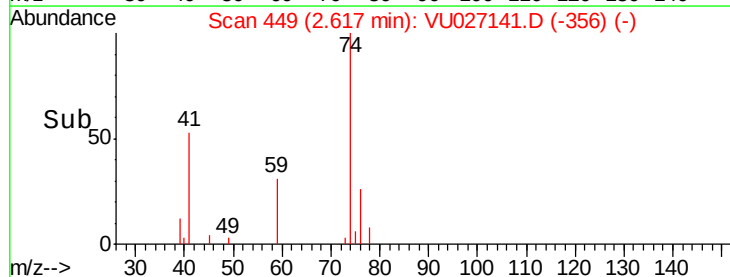


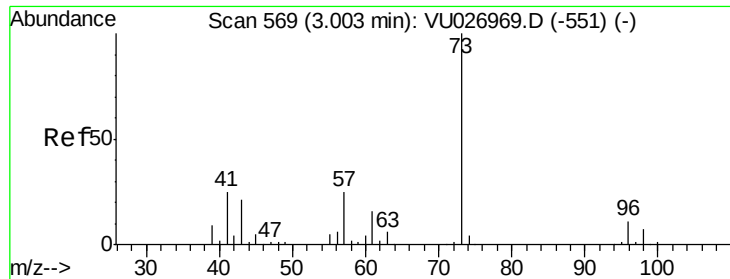
Abundance Ion 43.00 (42.70 to 43.70): VU027141.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027141.D (-356) (-)



Time-->





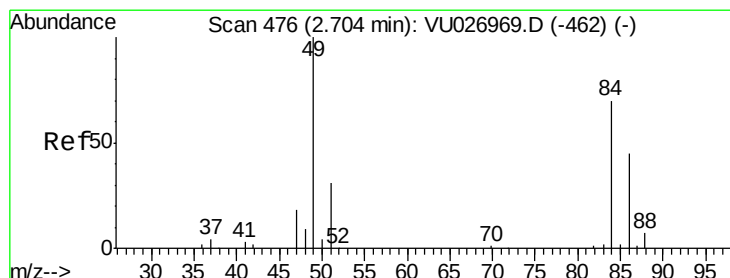
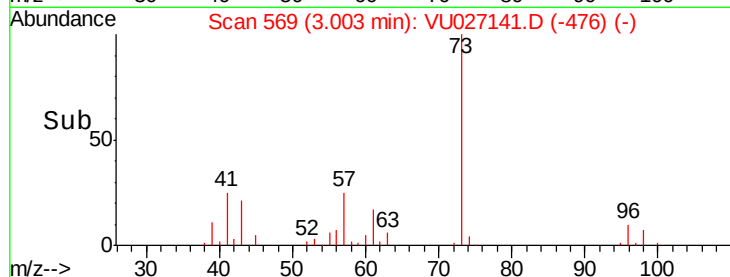
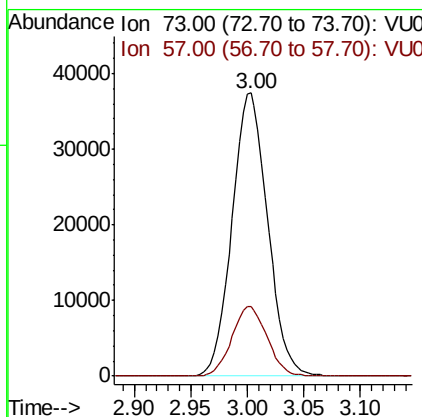
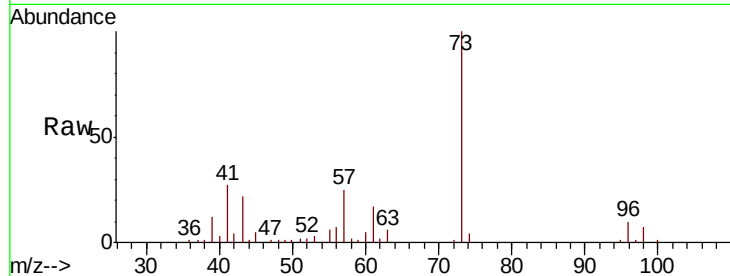
#19
Methyl tert-butyl Ether
Concen: 20.995 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion: 73 Resp: 81733
Ion Ratio Lower Upper
73 100
57 24.7 19.8 29.6

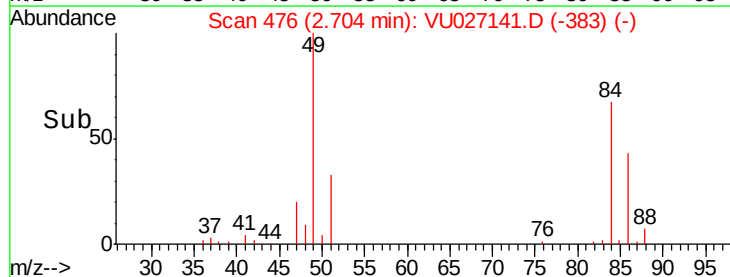
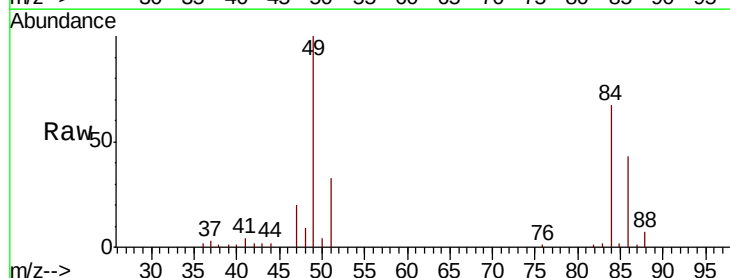
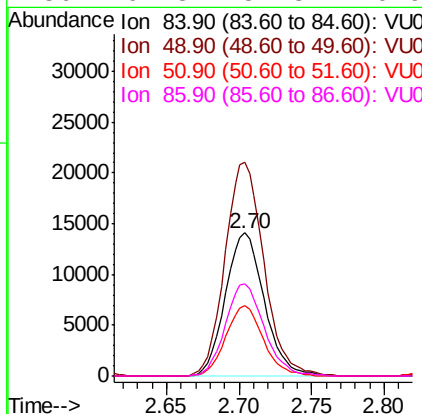
Manual Integrations
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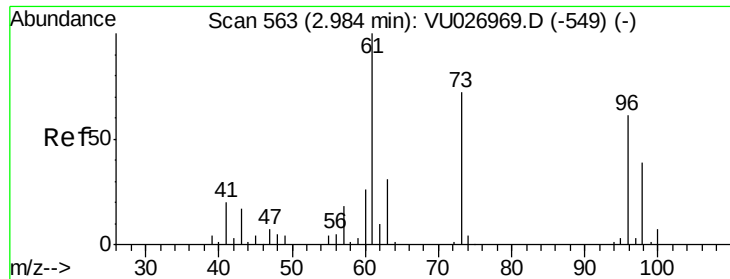
MMDadoda
9/27/2018 3:33:16 PM



#20
Methylene Chloride
Concen: 18.967 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion: 84 Resp: 26223
Ion Ratio Lower Upper
84 100
49 149.6 114.9 172.3
51 49.3 35.8 53.8
86 64.3 51.3 76.9





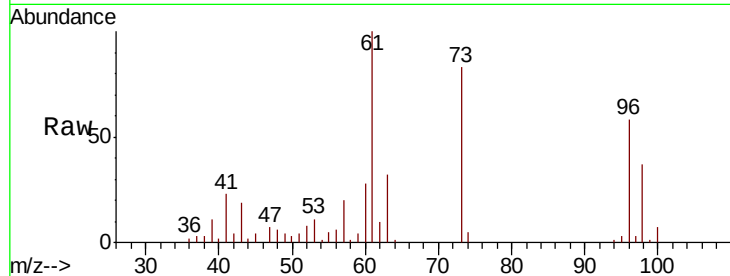
#21
trans-1,2-Dichloroethene
Concen: 18.516 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	172.0	131.8	197.6
98	63.5	50.9	76.3

Manual Integrations
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MMDadoda
9/27/2018 3:33:16 PM

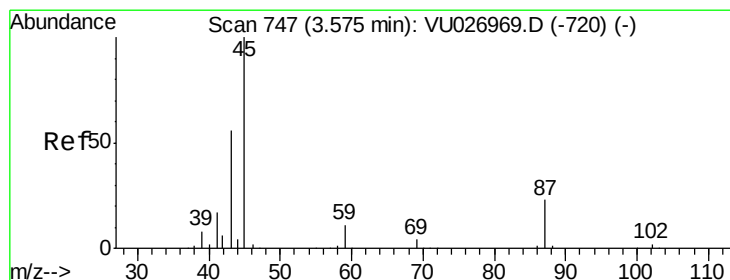
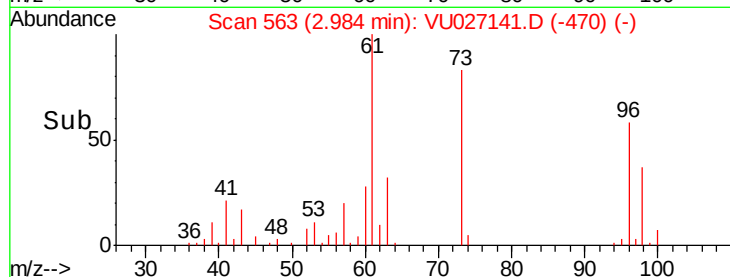
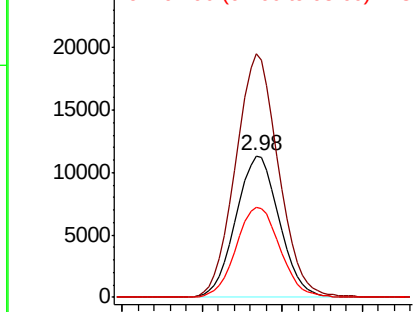


Abundance

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: 22.505 ug/l
RT: 3.58 min Scan# 747
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.8	45.8	68.6
87	21.9	18.6	28.0
59	11.2	9.0	13.4

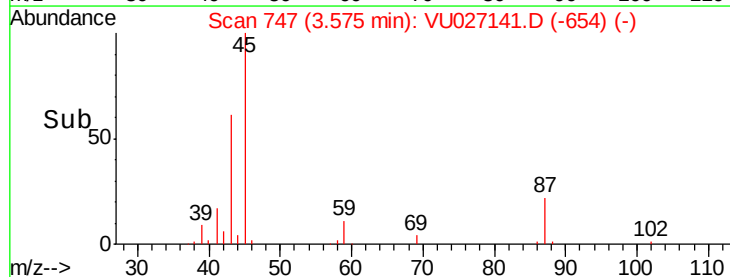
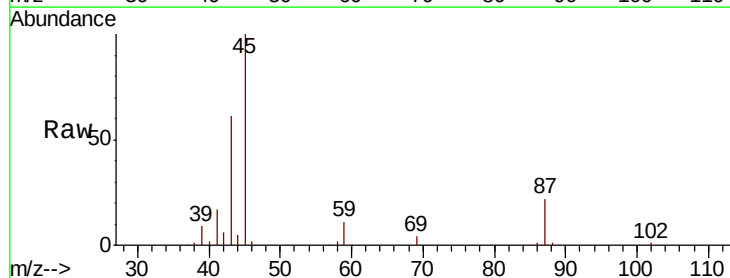
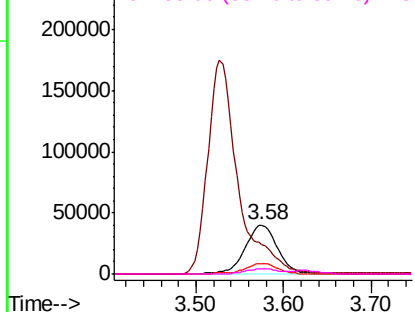
Abundance

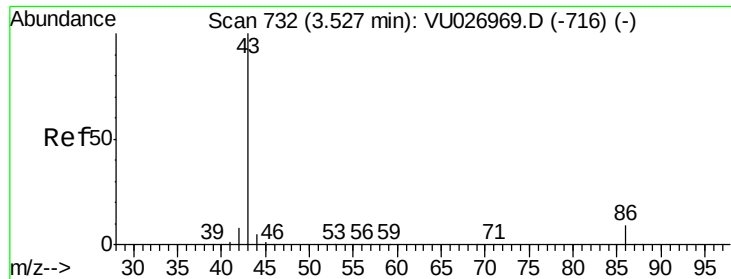
Ion 45.00 (44.70 to 45.70): VU0

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: 108.140 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS01

Tot Ion: 43 Resp: 423650

Ion Ratio Lower Upper

43 100

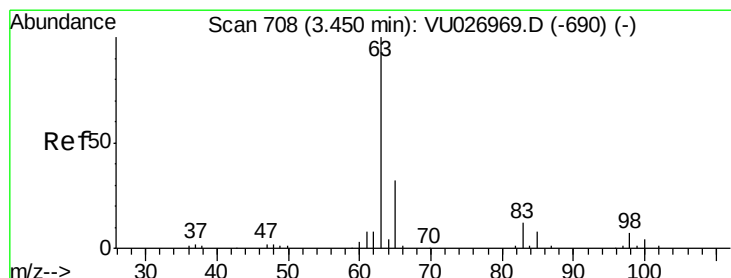
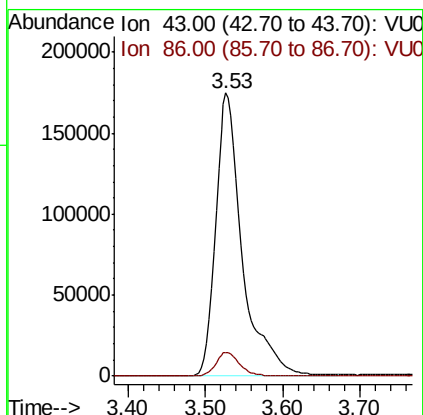
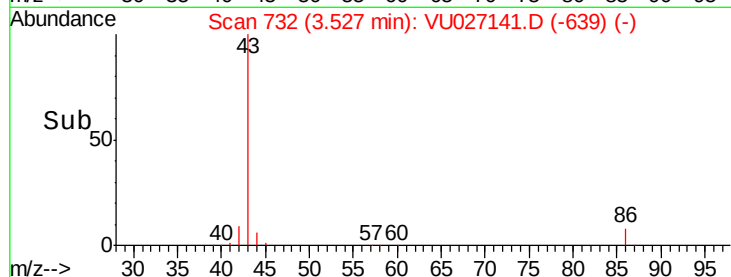
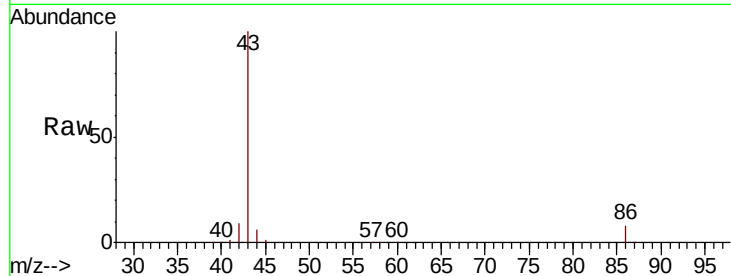
86 8.4 7.2 10.8

Manual Integrations

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MMDadoda

9/27/2018 3:33:16 PM



#24

1,1-Dichloroethane

Concen: 20.506 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

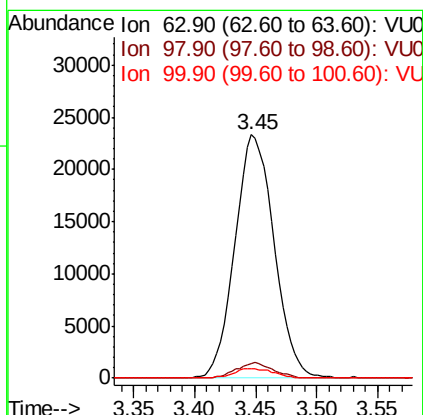
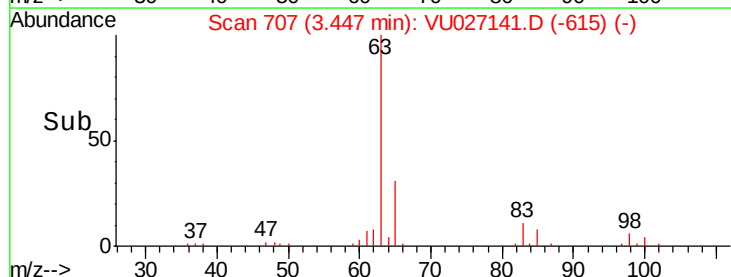
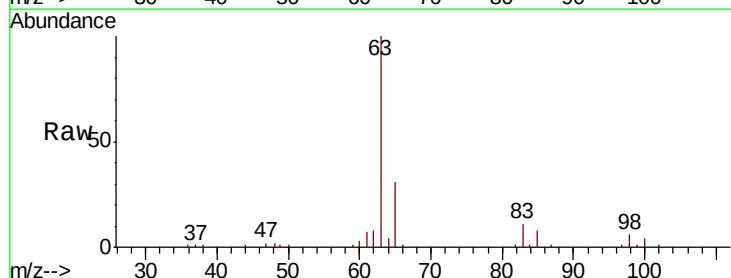
Tgt Ion: 63 Resp: 51906

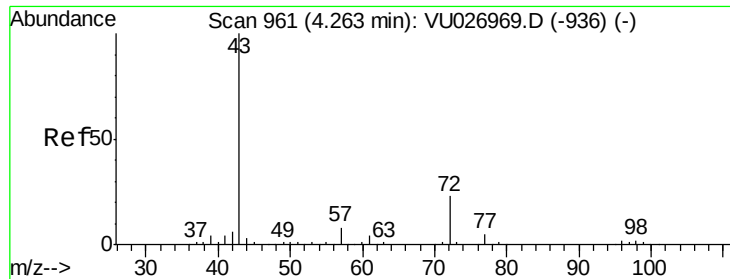
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 107.209 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS01

Tot Ion: 43 Resp: 139090

Ion Ratio Lower Upper

43 100

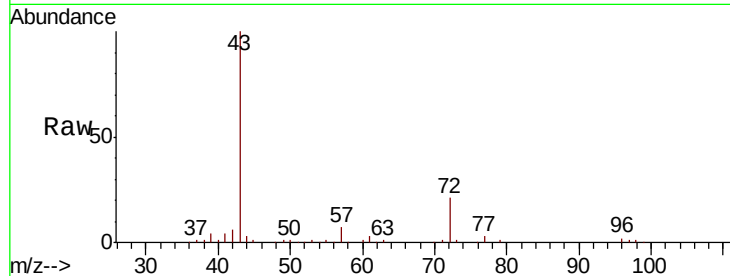
72 21.1 18.4 27.6

Manual Integrations

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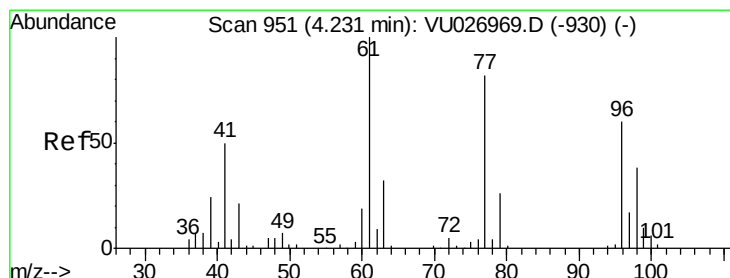
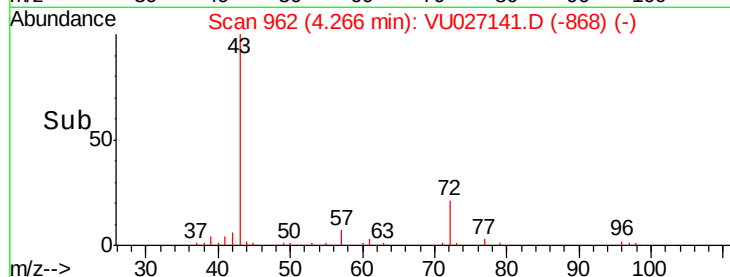
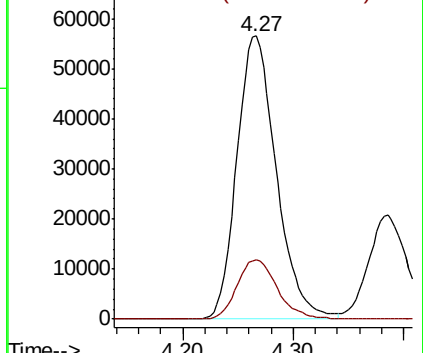
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 18.120 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027141.D

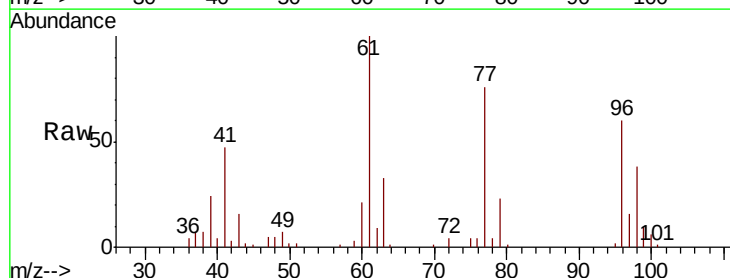
Acq: 25 Sep 2018 21:26

Tgt Ion: 77 Resp: 35770

Ion Ratio Lower Upper

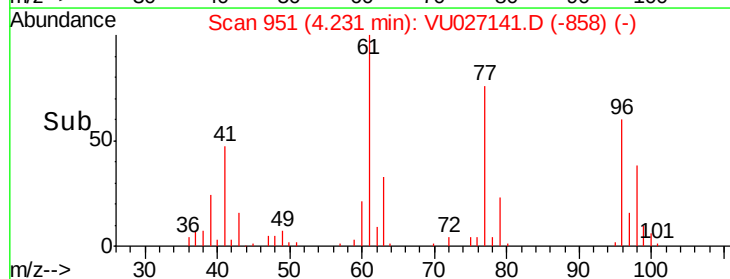
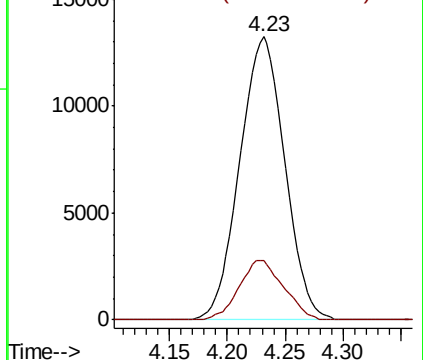
77 100

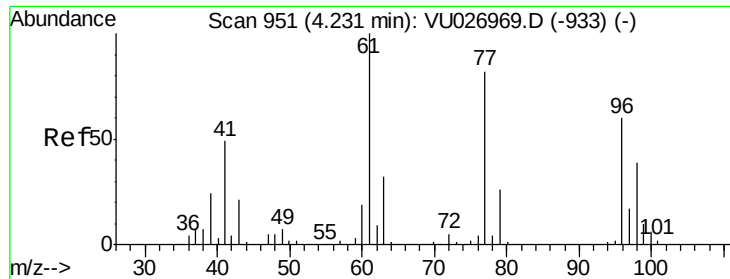
97 20.8 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

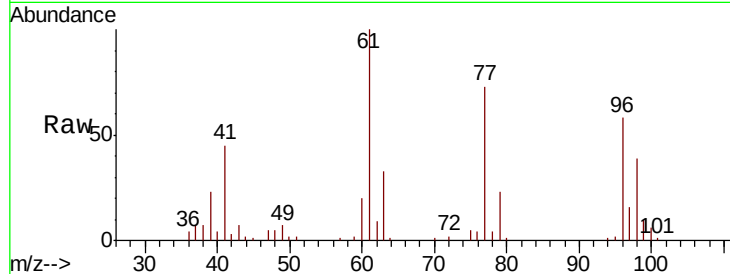
cis-1,2-Dichloroethene
Concen: 19.825 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	25323		
61	171.8	0.0	337.2	
98	63.6	0.0	127.6	

Manual Integrations
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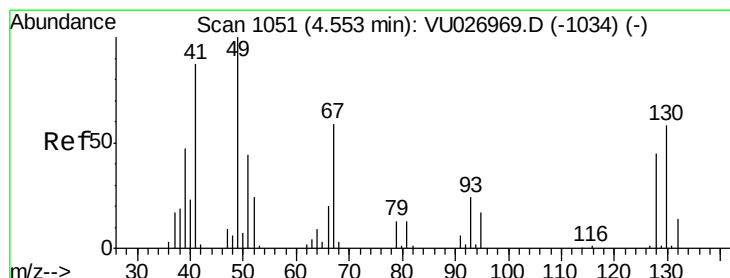
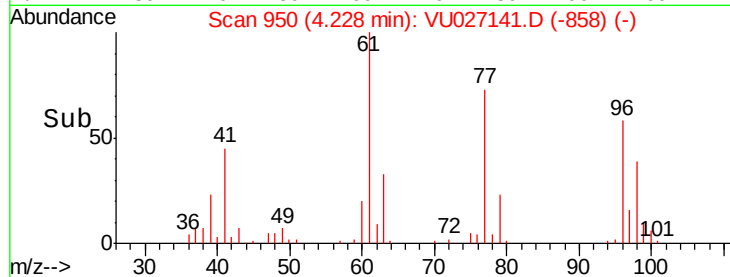
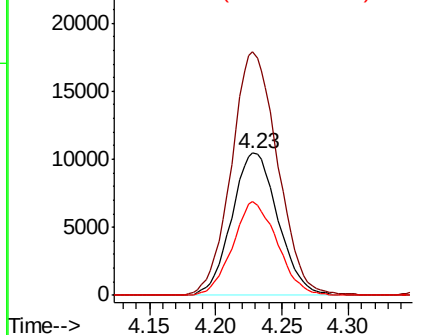


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

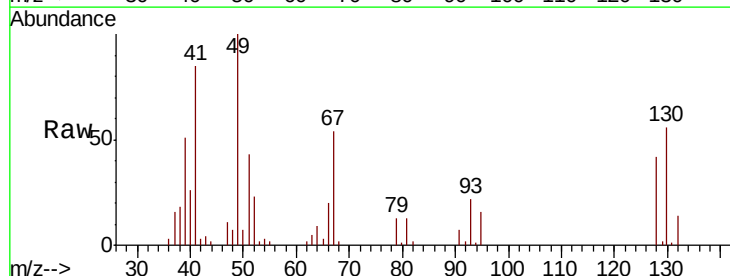
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 23.481 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	28651		
129	0.6	0.0	3.0	
130	54.5	47.8	71.8	

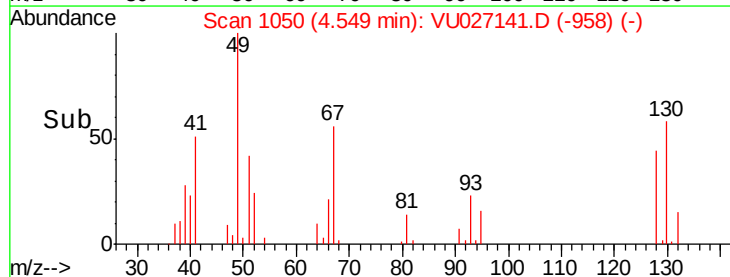
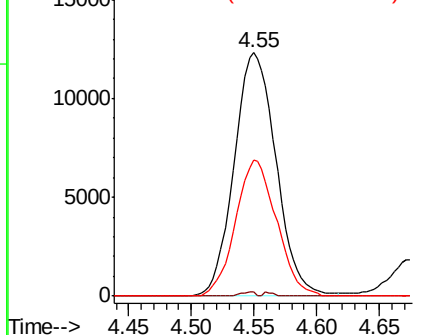


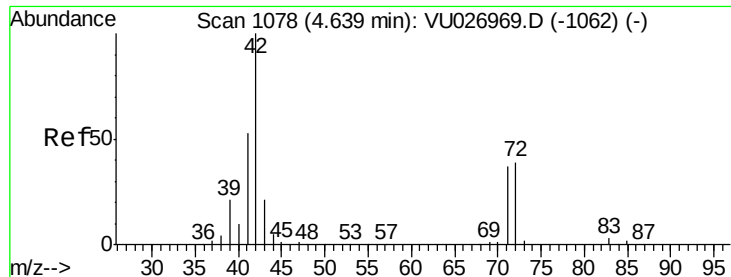
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





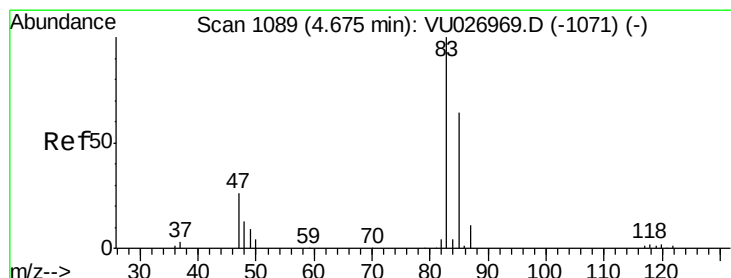
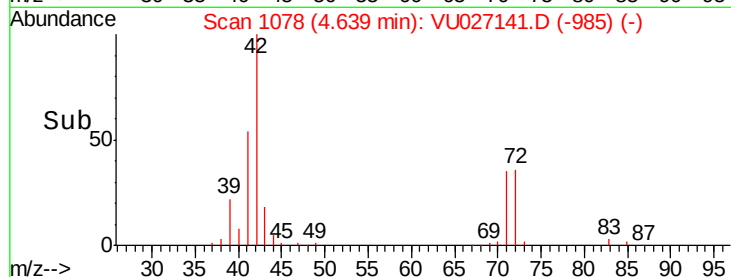
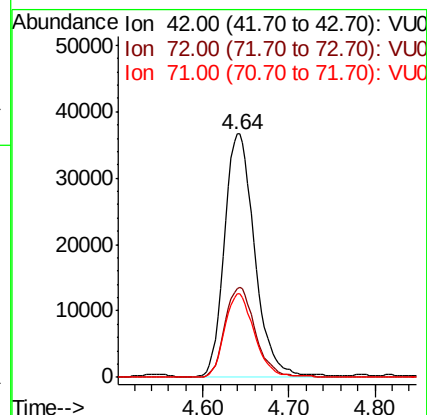
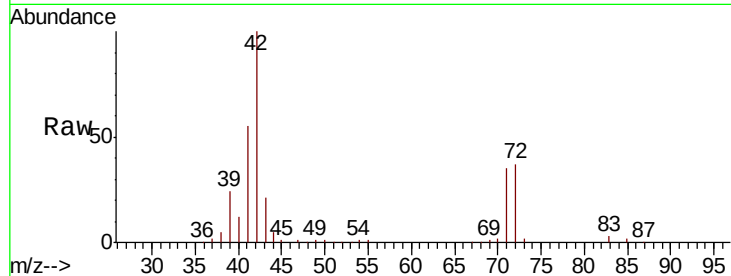
#29
Tetrahydrofuran
Concen: 113.674 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	31.7	47.5
71	34.3	29.6	44.4

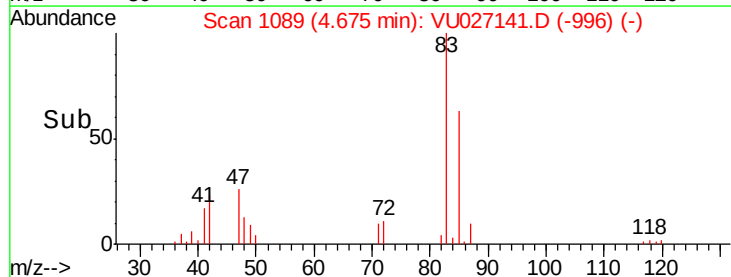
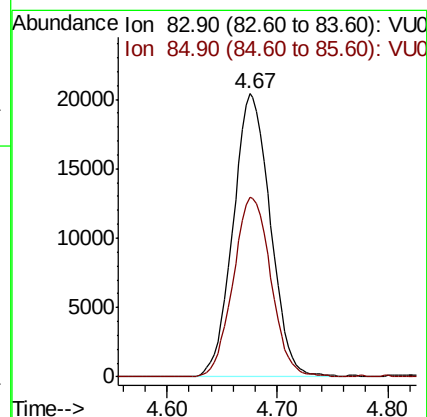
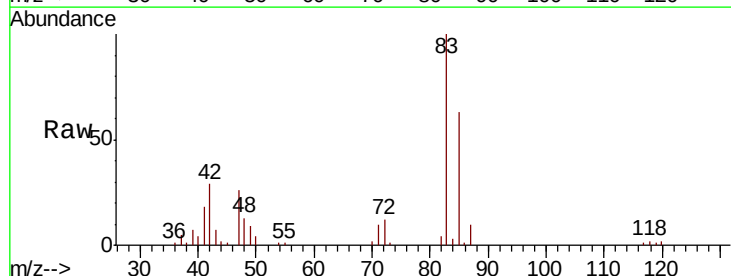
Manual Integrations
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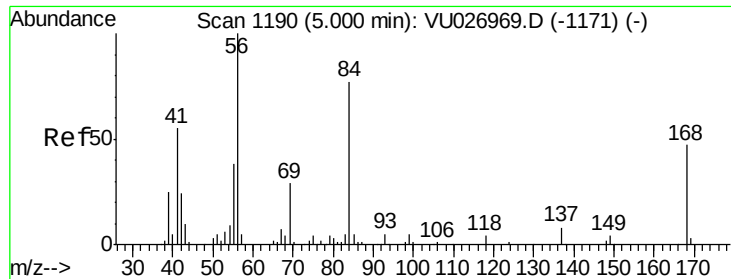
MMDadoda
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#30
Chloroform
Concen: 20.296 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.5	77.3





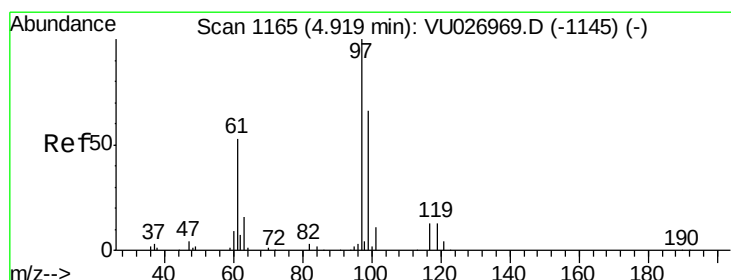
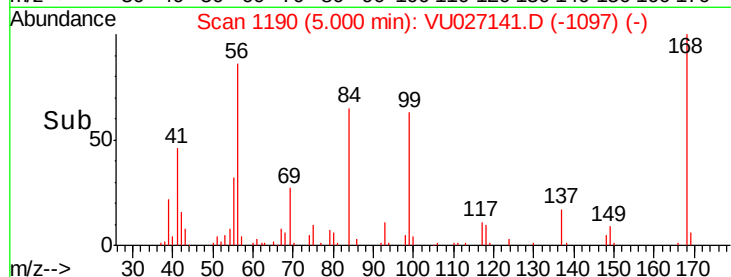
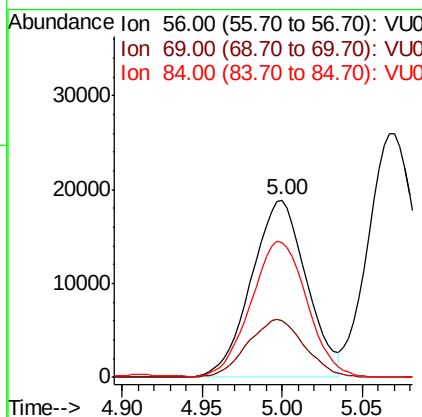
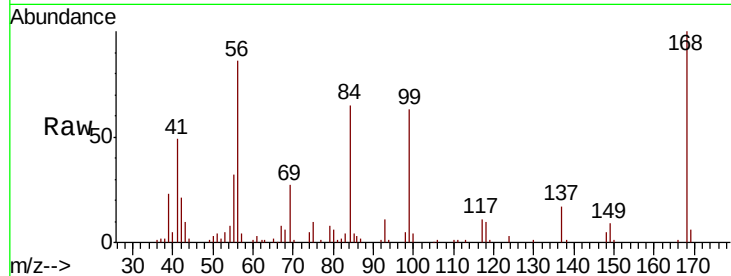
#31
Cyclohexane
Concen: 19.199 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	23.0	34.4
84	76.2	61.4	92.2

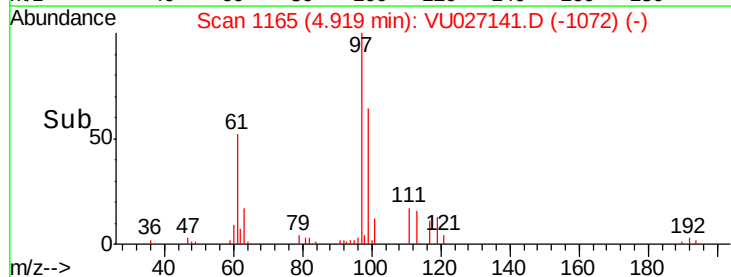
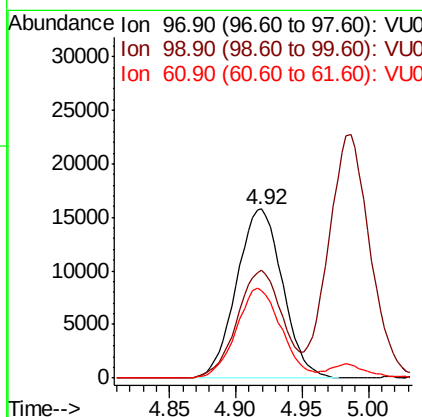
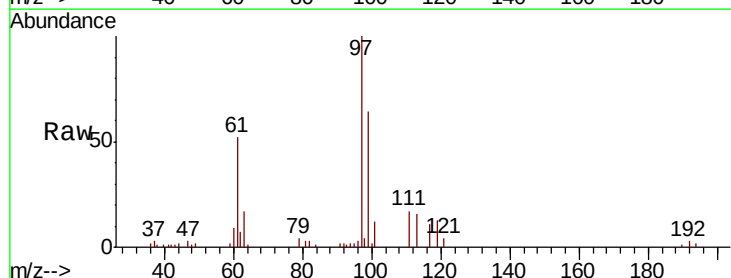
Manual Integrations
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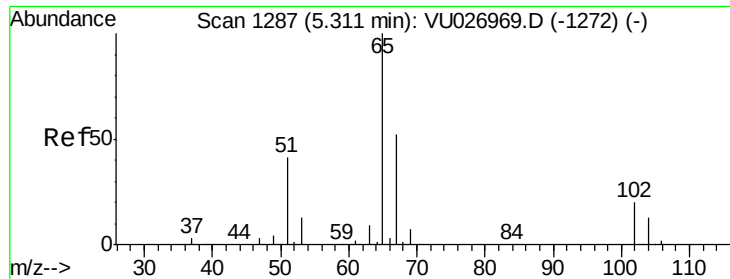
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#32
1,1,1-Trichloroethane
Concen: 20.336 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.8	77.6
61	51.9	41.1	61.7





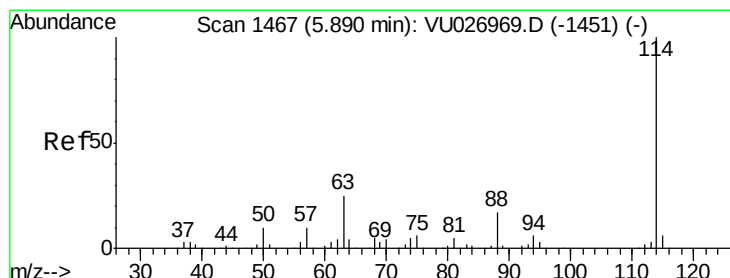
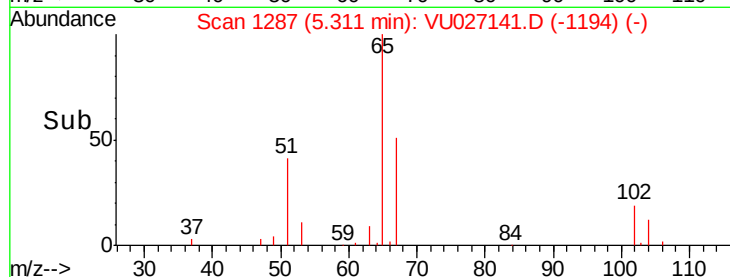
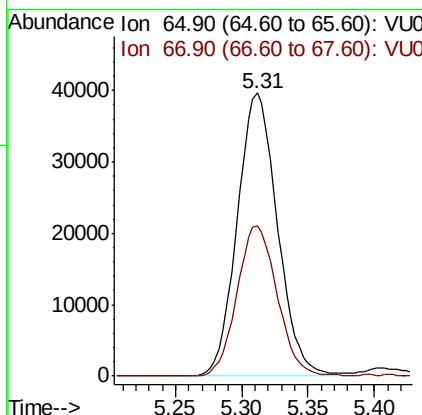
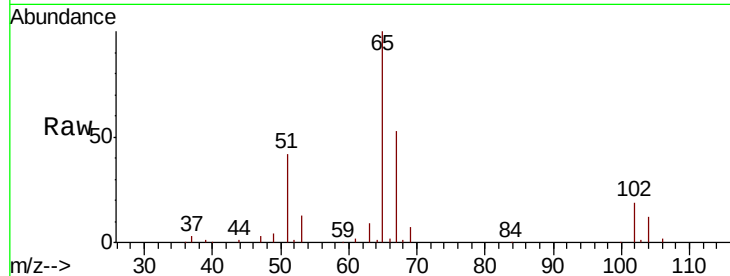
#33
 1,2-Dichloroethane-d4
 Concen: 54.155 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.6

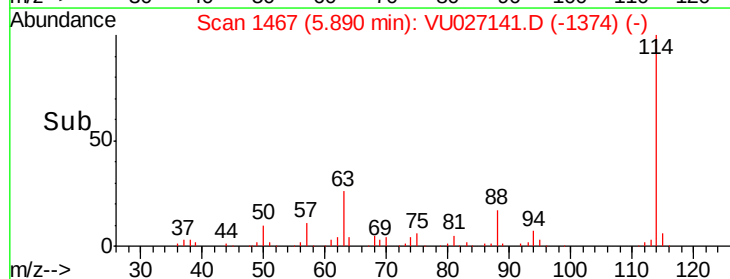
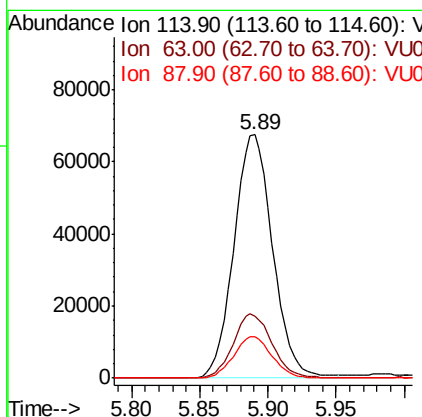
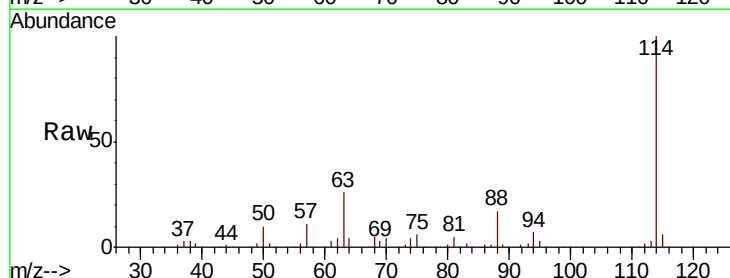
Manual Integrations
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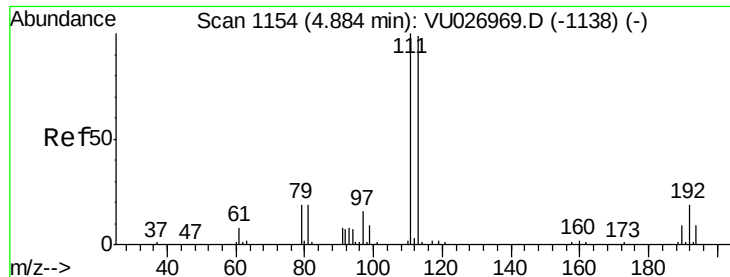
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.6	0.0	49.2
88	17.0	0.0	33.8





#35

Dibromofluoromethane

Concen: 50.402 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Instrument :

MSVOA_U

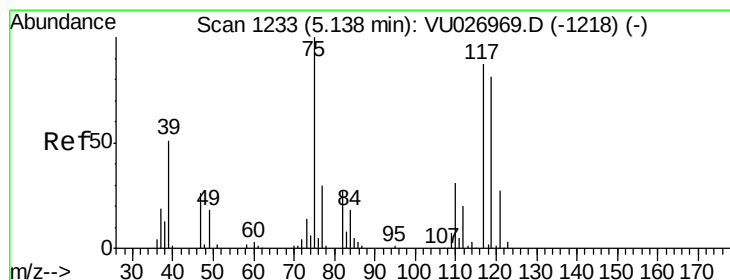
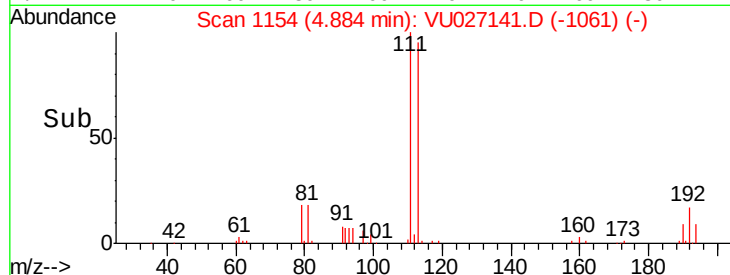
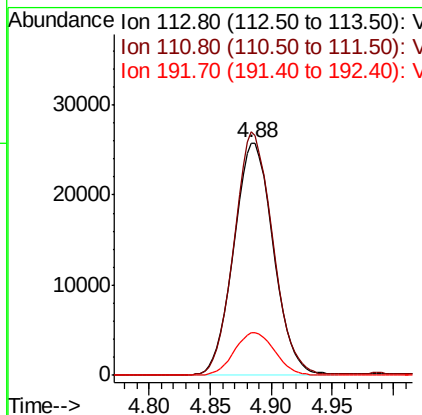
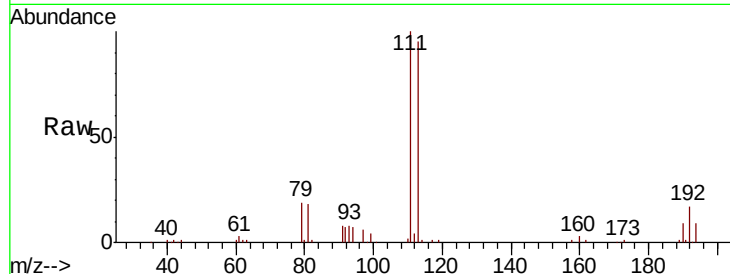
ClientSampleId :

VU0926WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	18.6	15.2	22.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.701 ug/l

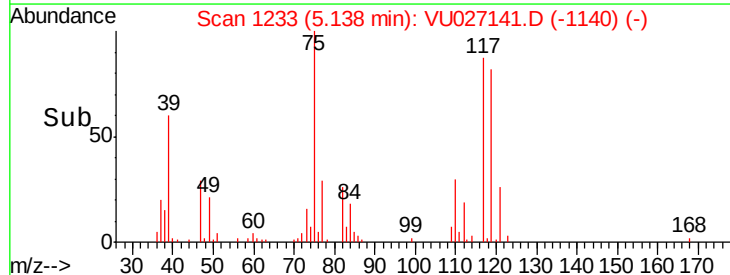
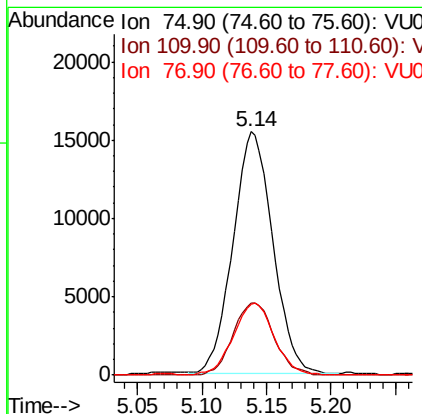
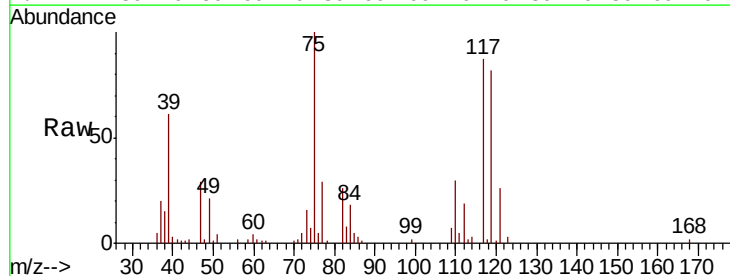
RT: 5.14 min Scan# 1233

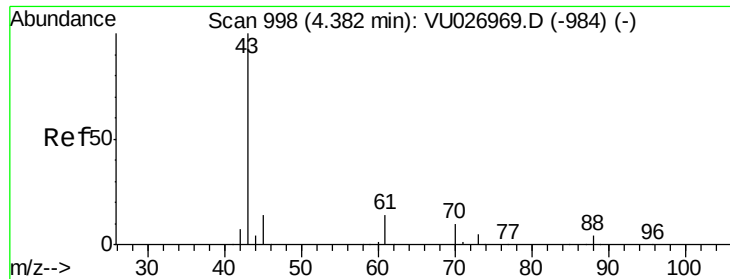
Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.4	16.1	48.2
77	30.5	24.6	36.8





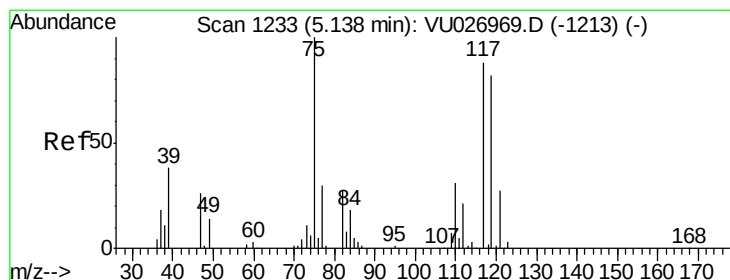
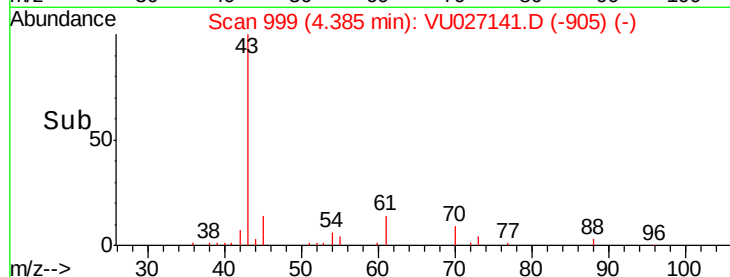
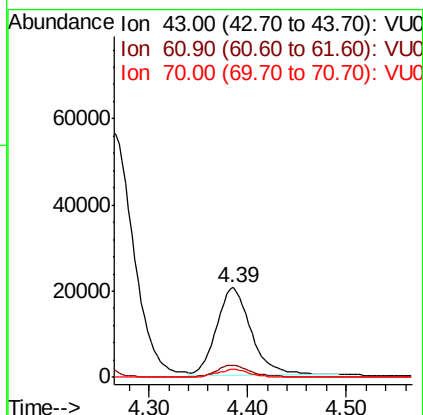
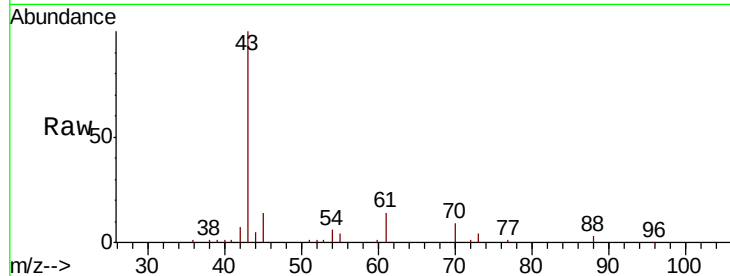
#37
Ethyl Acetate
Concen: 21.014 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.5	15.7
70	8.3	7.4	11.0

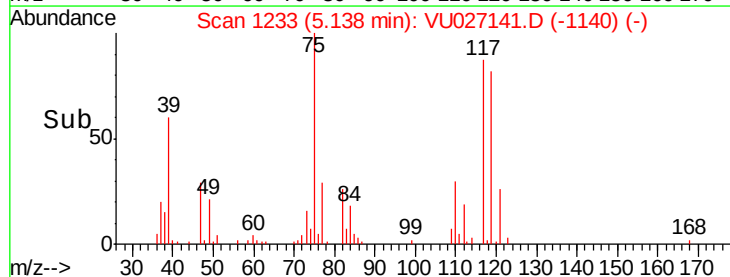
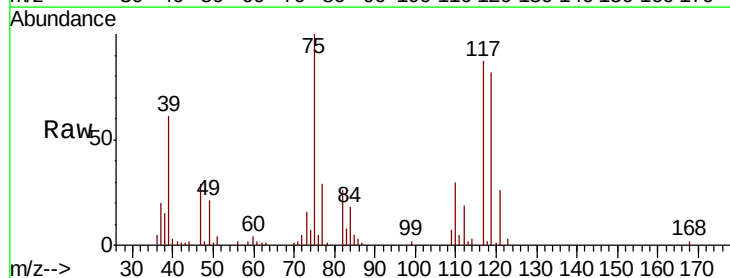
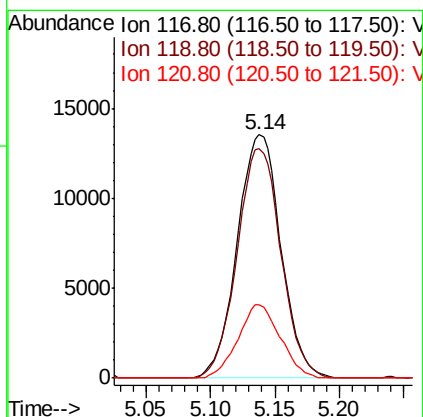
Manual Integrations
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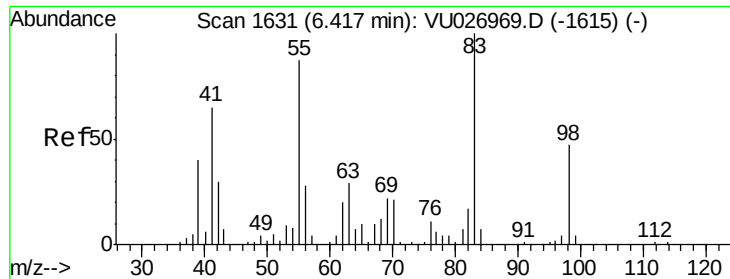
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#38
Carbon Tetrachloride
Concen: 18.919 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	74.4	111.6
121	30.2	24.2	36.4





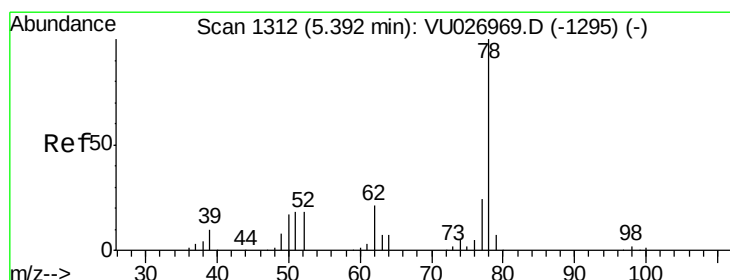
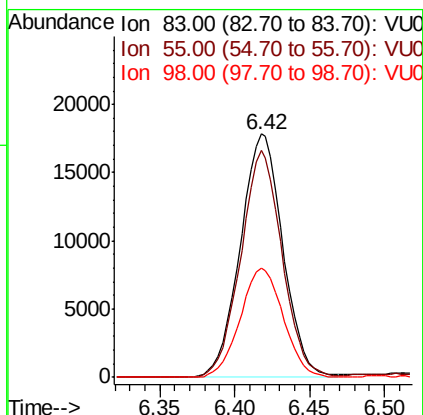
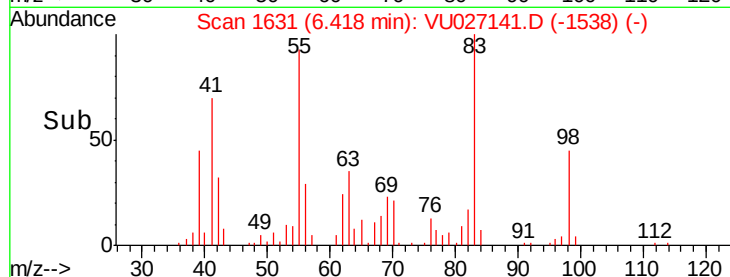
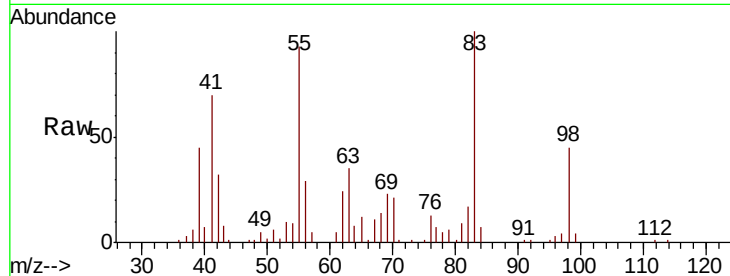
#39
Methylvlcyclohexane
Concen: 18.282 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion	83.00	Resp	35282
Ion	Ratio	Lower	Upper
83	100		
55	93.4	69.9	104.9
98	45.0	37.5	56.3

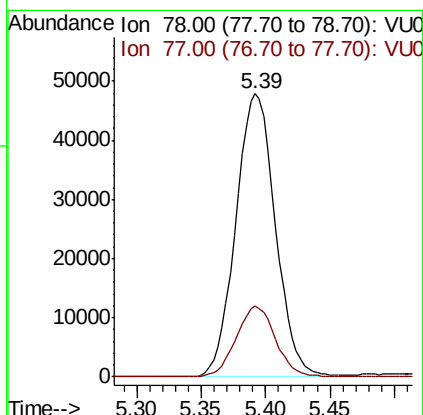
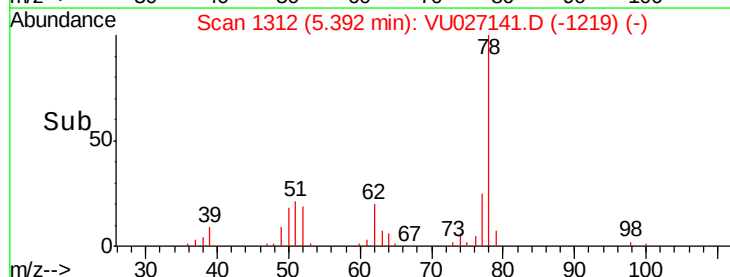
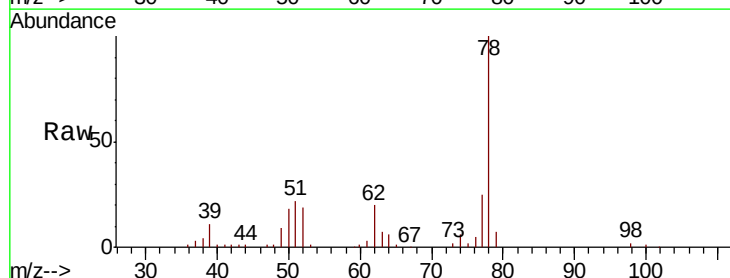
Manual Integrations
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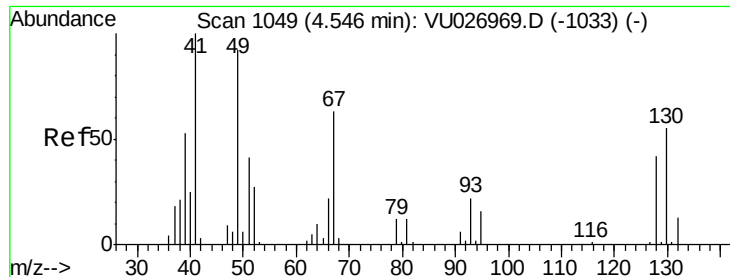
MMDadoda
9/27/2018 3:33:16 PM



#40
Benzene
Concen: 18.951 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion	78	Resp	102310
Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.4	29.0





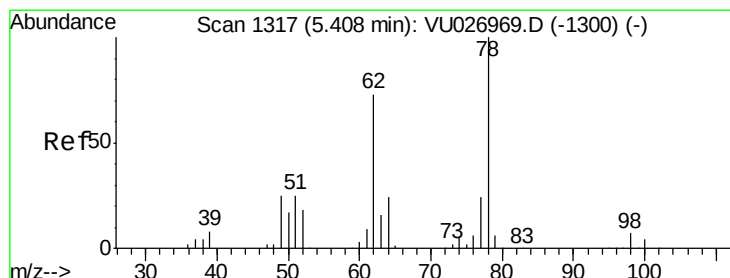
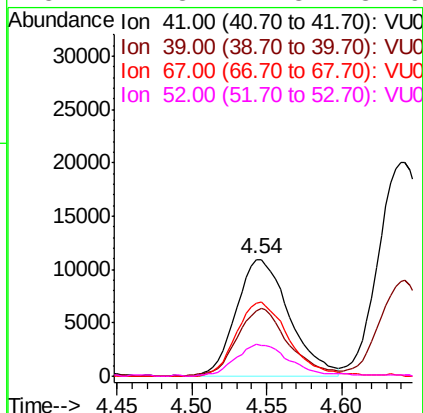
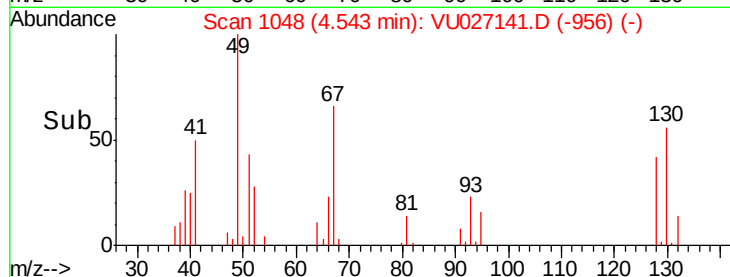
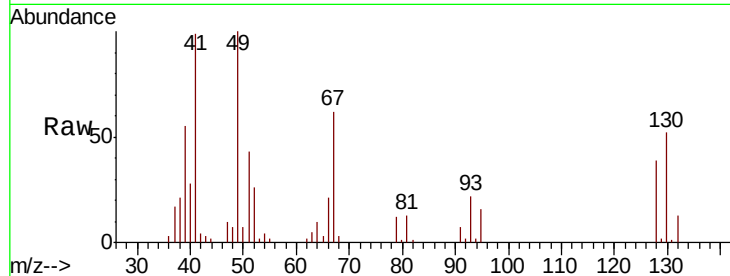
#41
Methacrylonitrile
Concen: 21.731 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.8	42.9	64.3	
67	62.7	52.4	78.6	
52	27.3	21.3	31.9	

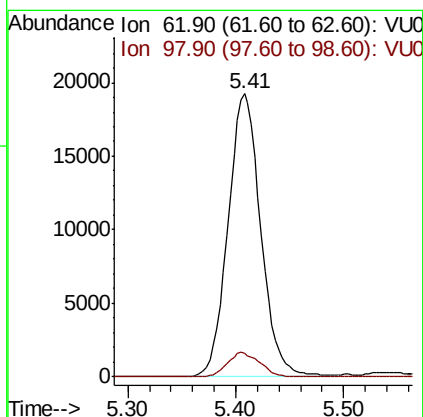
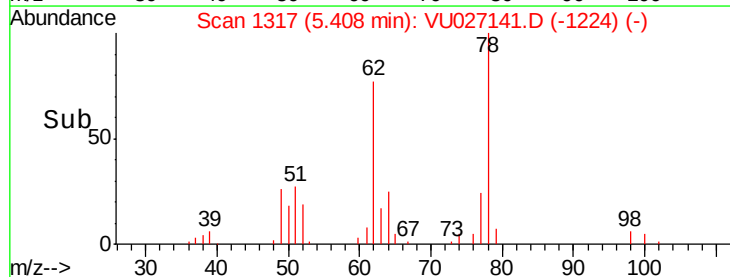
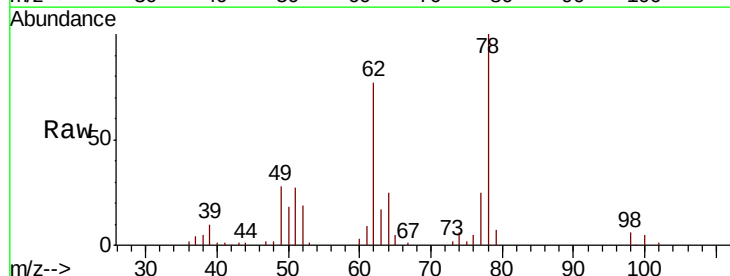
Manual Integrations
APPROVED

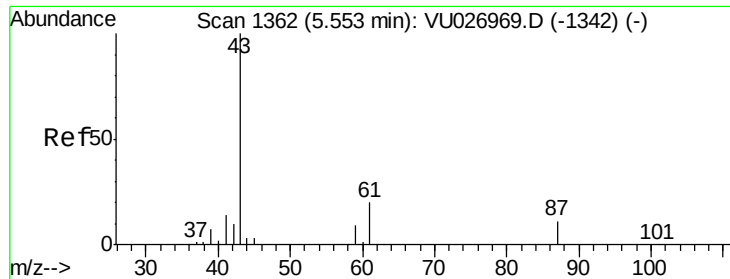
MMDadoda
9/27/2018 3:33:16 PM



#42
1,2-Dichloroethane
Concen: 19.962 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.0	





#43

Isopropyl Acetate

Concen: 21.487 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Instrument :

MSVOA_U

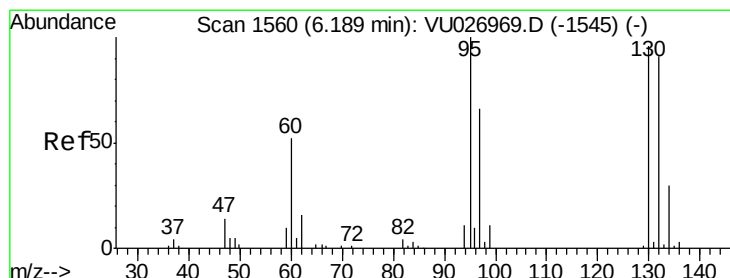
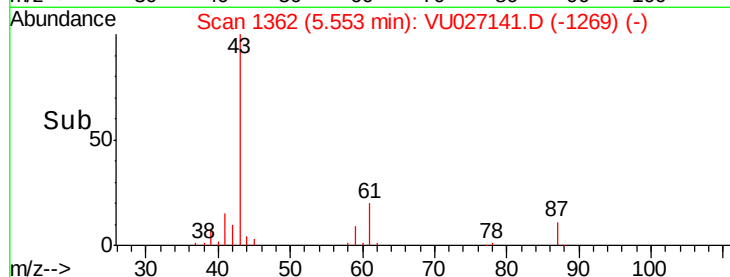
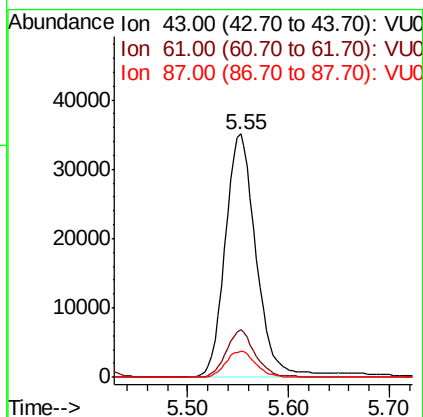
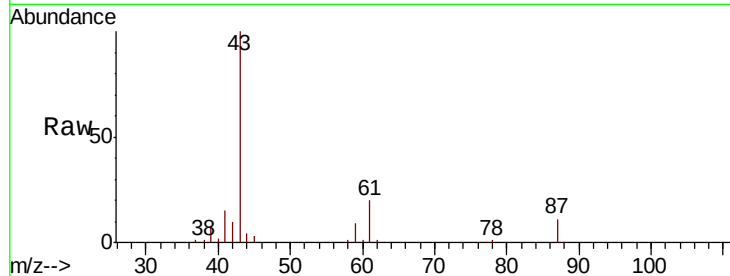
ClientSampleId :

VU0926WBS01

Tot Ion:	43	Resp:	75334
Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.7	23.5
87	10.3	9.0	13.4

Manual Integrations
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MMDadoda
9/27/2018 3:33:16 PM



#44

Trichloroethene

Concen: 18.959 ug/l

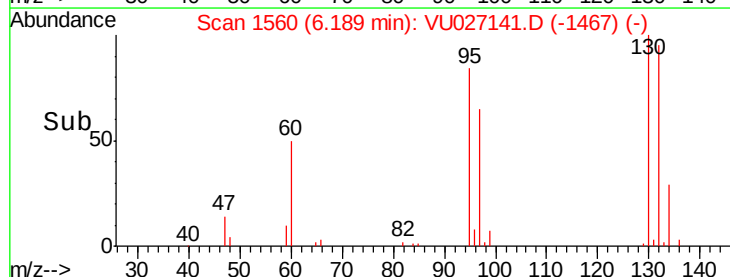
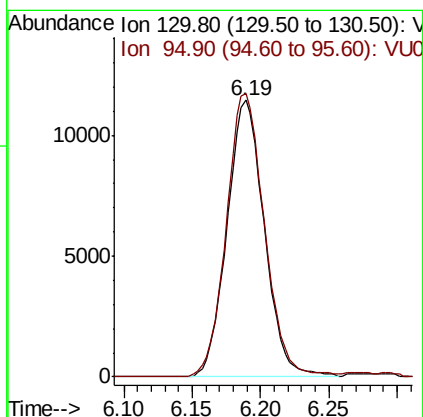
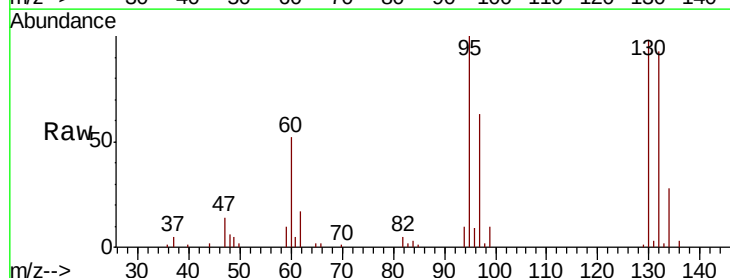
RT: 6.19 min Scan# 1560

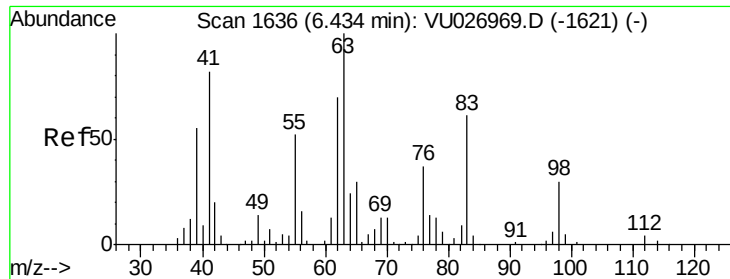
Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Tgt Ion:	130	Resp:	21790
Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	208.8





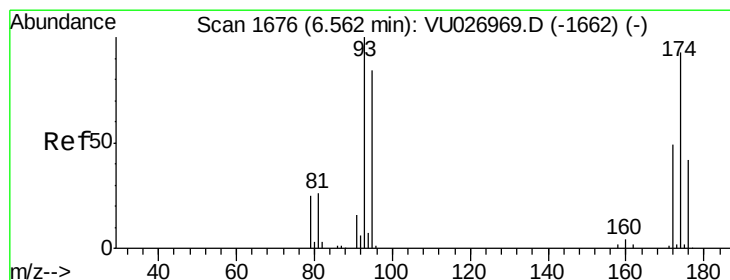
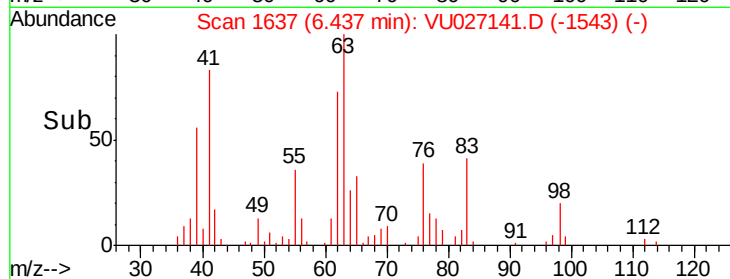
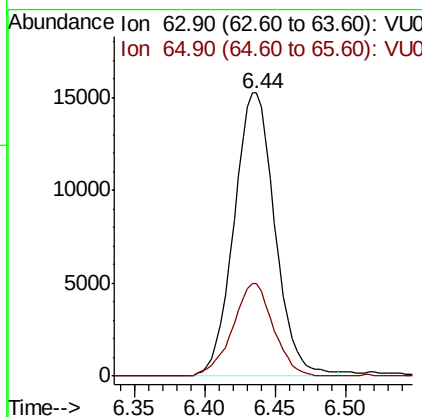
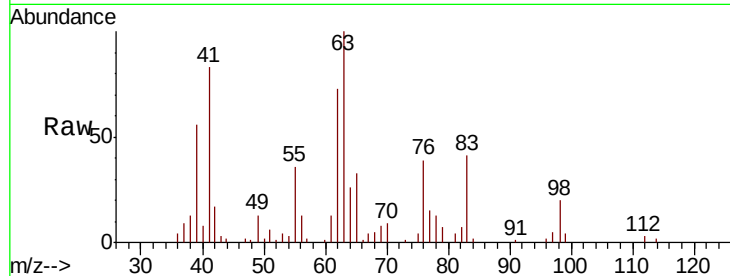
#45
 1,2-Dichloropropane
 Concen: 20.165 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS01

Tot Ion: 63 Resp: 31018
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.3 36.5

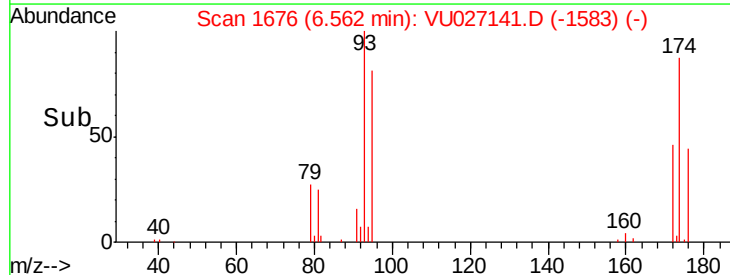
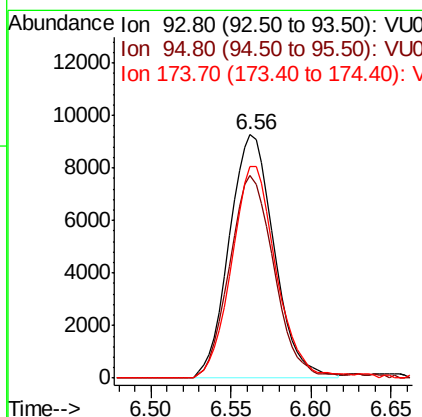
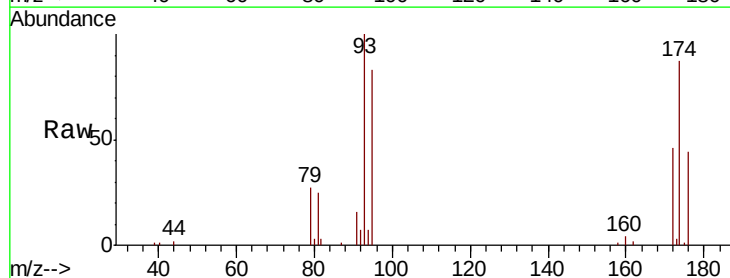
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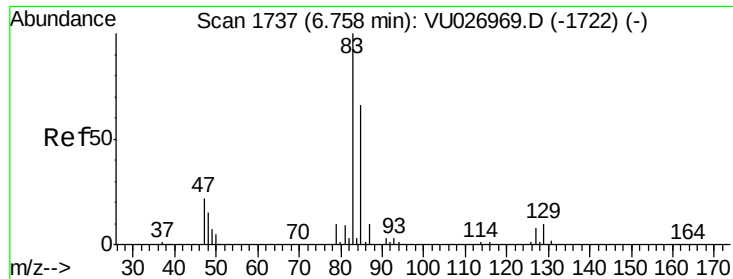
MMDadoda
 9/27/2018 3:33:16 PM



#46
 Dibromomethane
 Concen: 19.143 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Tgt Ion: 93 Resp: 17784
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.2 99.4
 174 86.0 71.7 107.5





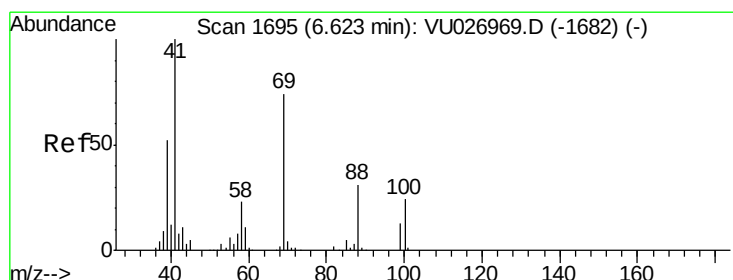
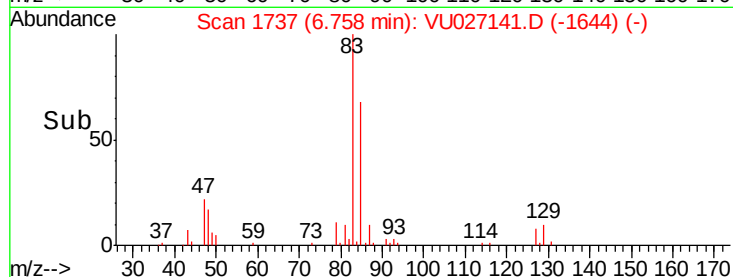
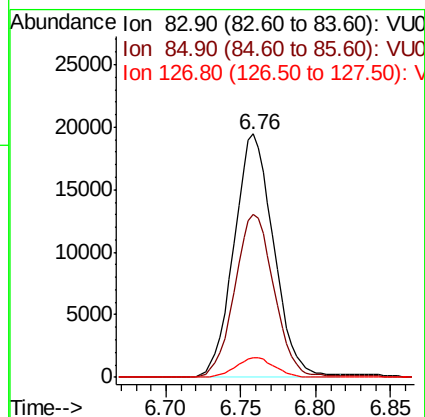
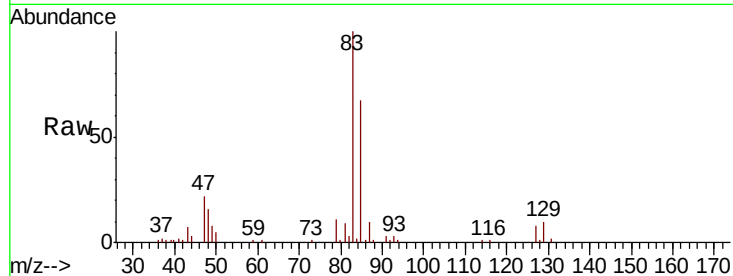
#47
Bromodichloromethane
Concen: 19.122 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampled :
VU0926WBS01

Tot Ion	83	Resp	35921
Ion Ratio	100	Lower	Upper
83	100		
85	67.0	52.5	78.7
127	8.2	6.3	9.5

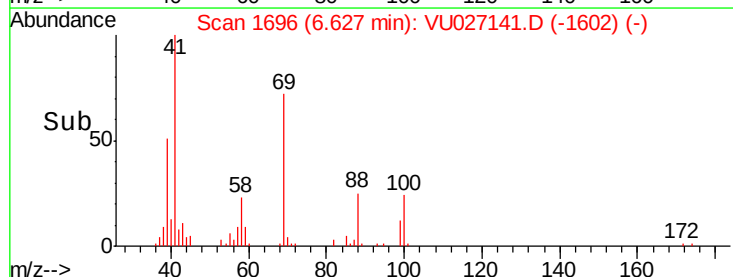
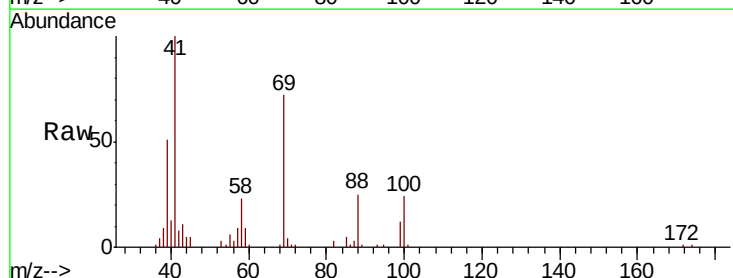
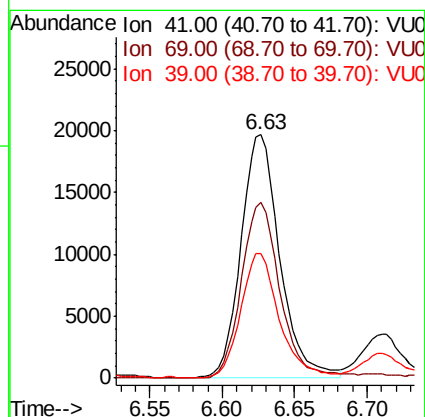
Manual Integrations
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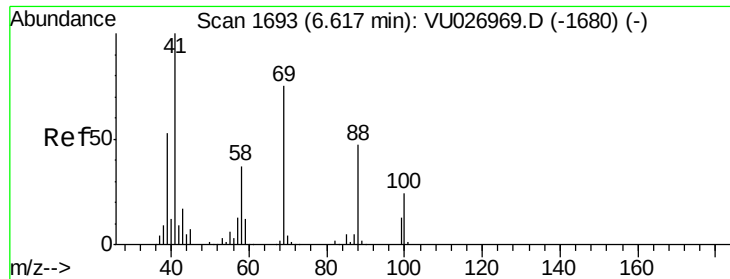
MMDadoda
9/27/2018 3:33:16 PM



#48
Methyl methacrylate
Concen: 19.851 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion	41	Resp	36692
Ion Ratio	100	Lower	Upper
41	100		
69	71.9	60.6	90.8
39	50.8	42.8	64.2





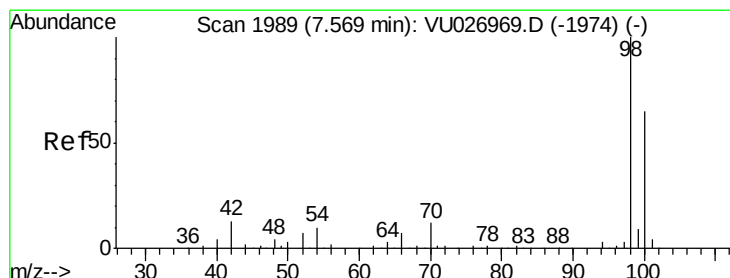
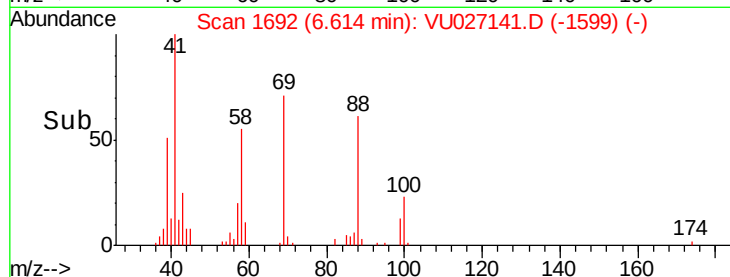
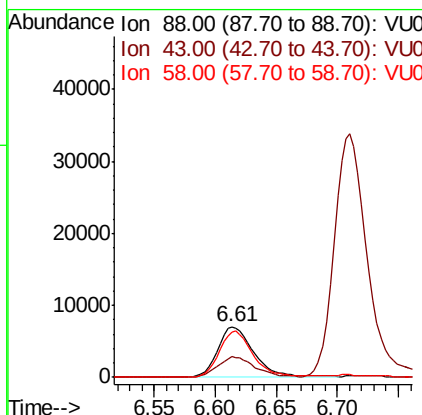
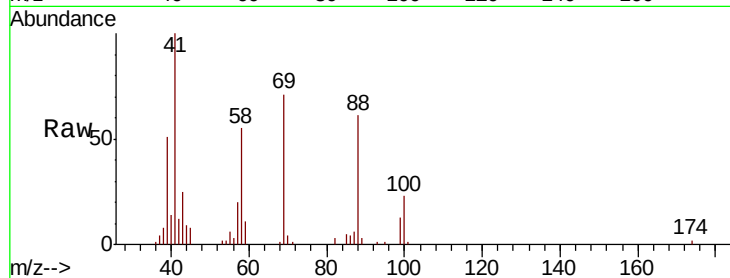
#49
1,4-Dioxane
Concen: 388.421 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.8	29.8	44.8
58	85.8	63.9	95.9

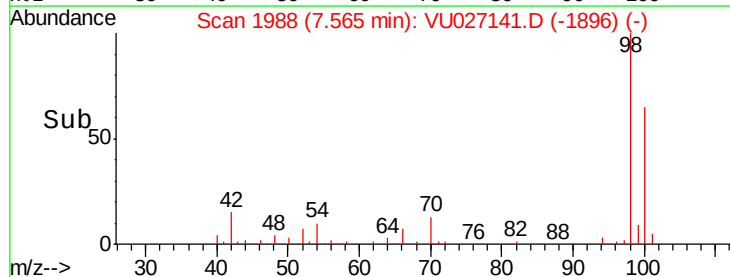
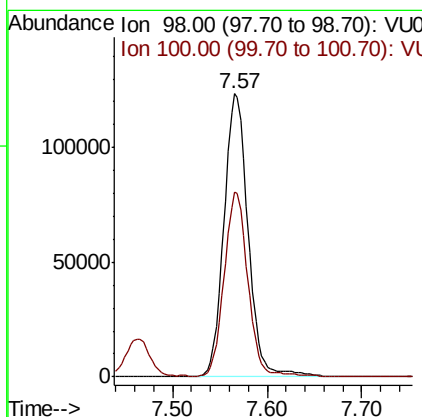
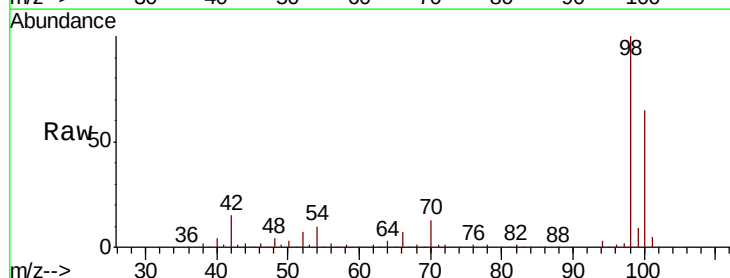
Manual Integrations
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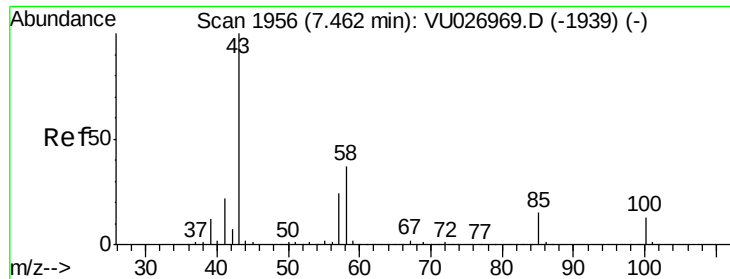
MMDadoda
9/27/2018 3:33:16 PM



#50
Toluene-d8
Concen: 50.041 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 111.534 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS01

Tot Ion: 43 Resp: 262997

Ion Ratio Lower Upper

43 100

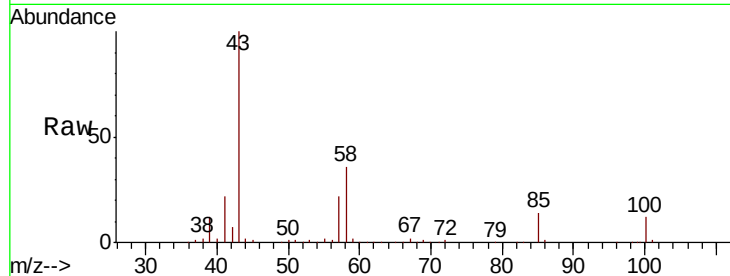
58 35.4 29.8 44.6

Manual Integrations

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MMDadoda

9/27/2018 3:33:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.46

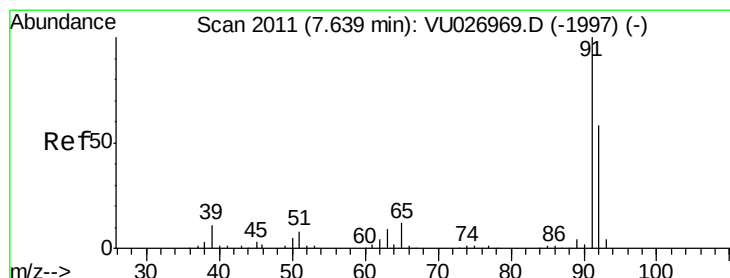
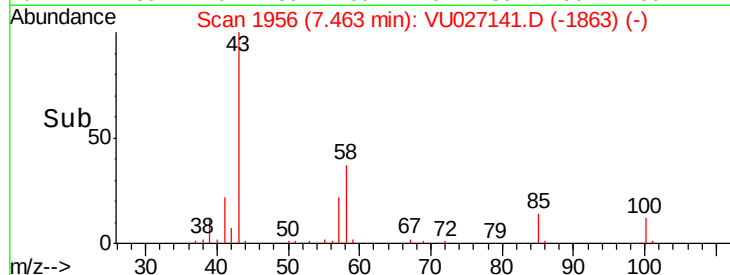
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.572 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027141.D

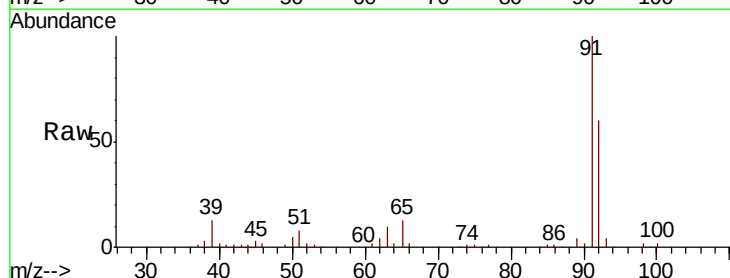
Acq: 25 Sep 2018 21:26

Tgt Ion: 92 Resp: 60566

Ion Ratio Lower Upper

92 100

91 173.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)

7.64

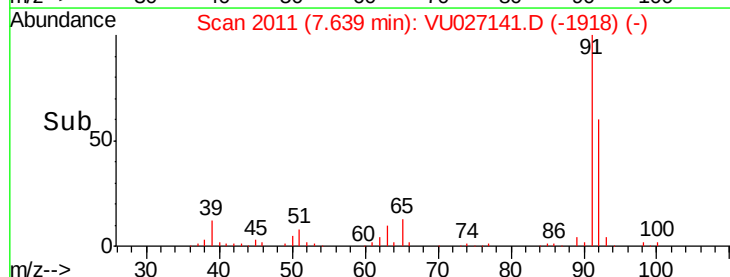
60000

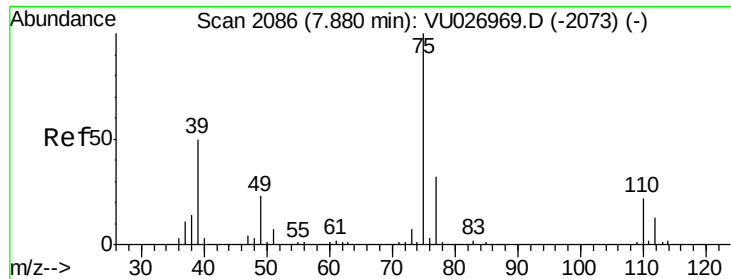
40000

20000

0

Time-->





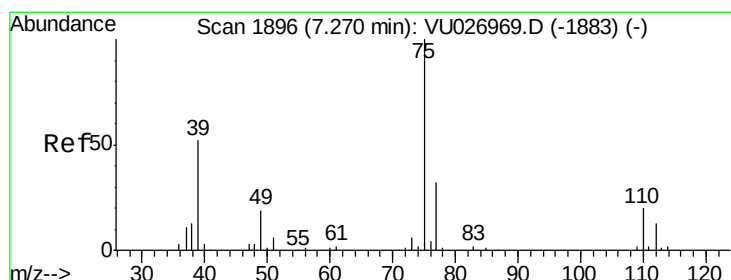
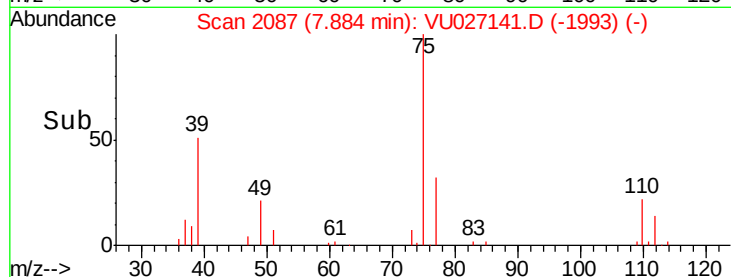
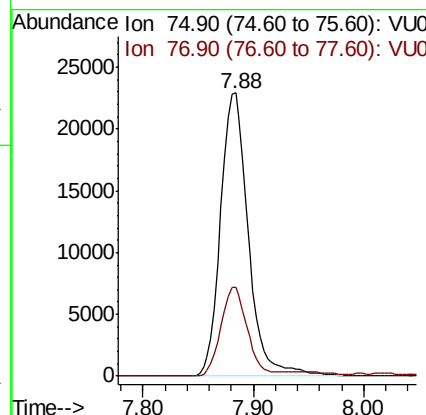
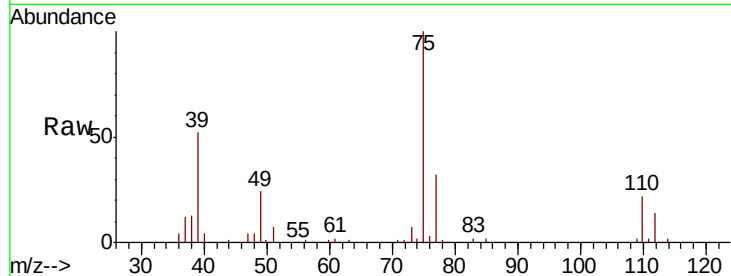
#53
t-1,3-Dichloropropene
Concen: 19.834 ug/l
RT: 7.88 min Scan# 2087
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9

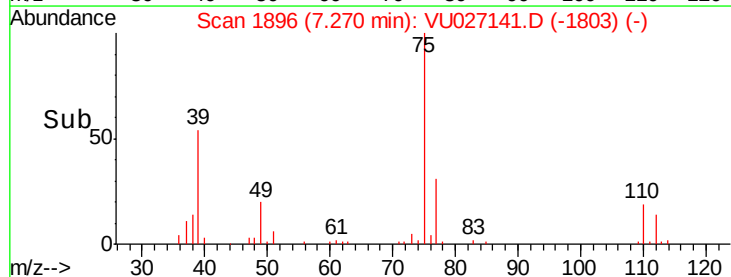
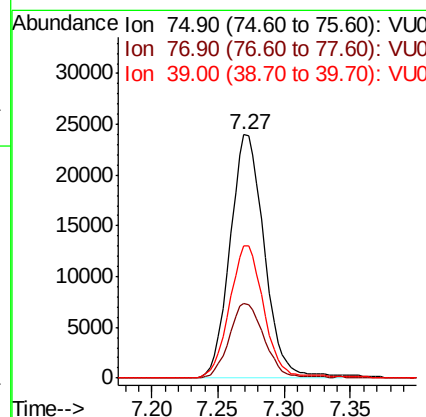
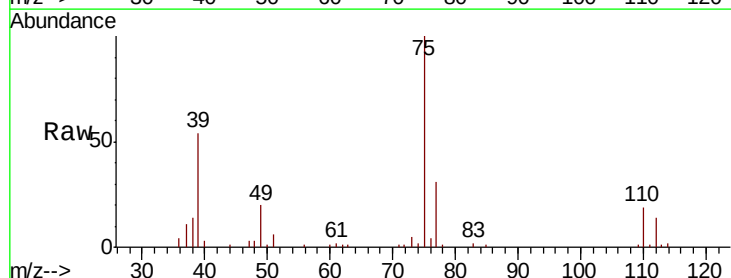
Manual Integrations
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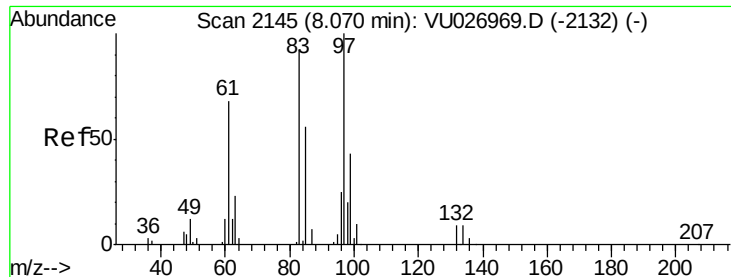
MMDadoda
9/27/2018 3:33:16 PM



#54
cis-1,3-Dichloropropene
Concen: 19.478 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0
39	54.4	41.6	62.4





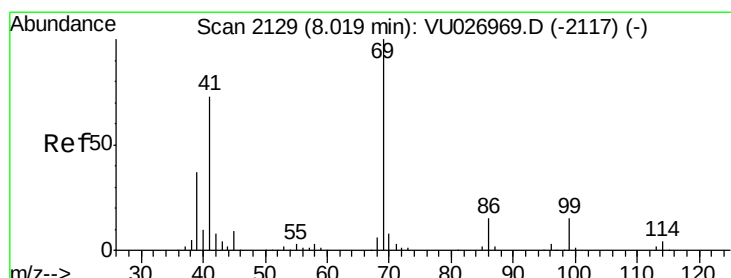
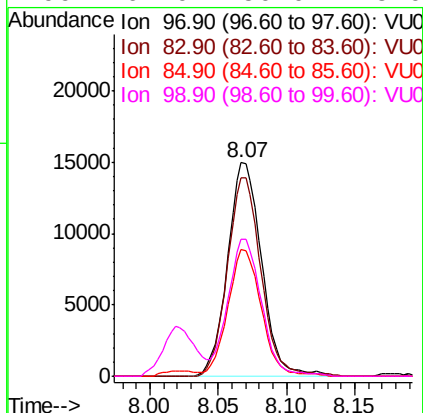
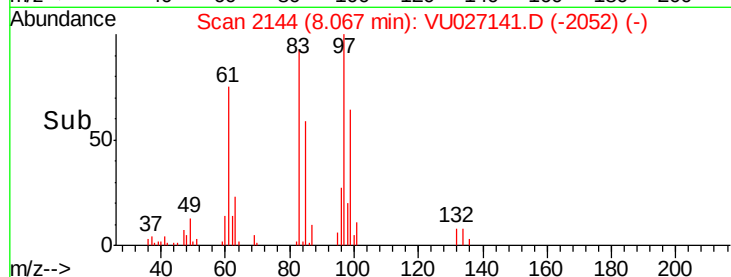
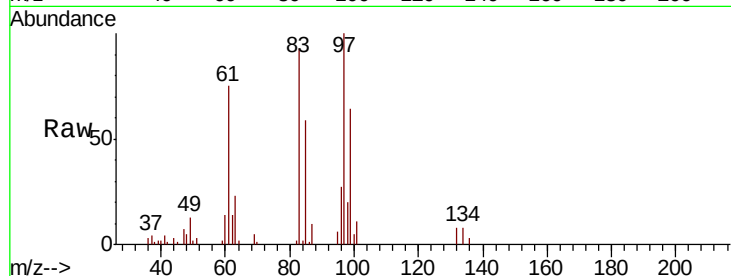
#55
 1,1,2-Trichloroethane
 Concen: 19.815 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS01

Tot Ion:	97	Resp:	25981
Ion	Ratio	Lower	Upper
97	100		
83	92.8	73.1	109.7
85	59.2	46.7	70.1
99	64.0	50.0	75.0

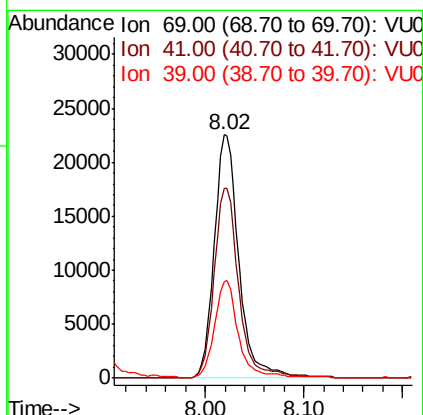
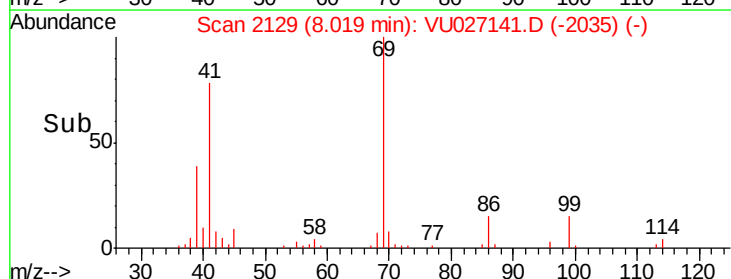
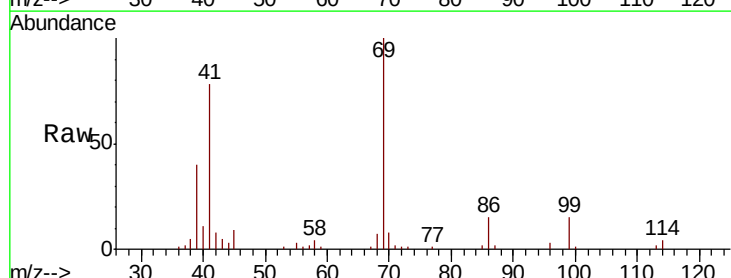
Manual Integrations
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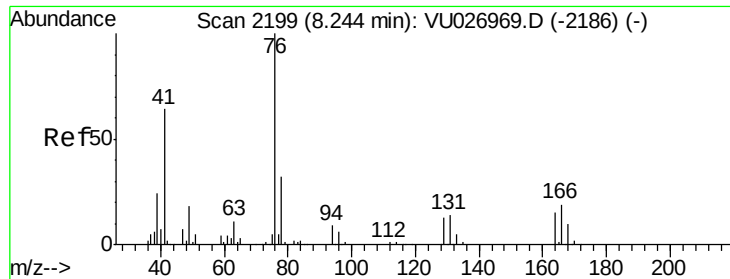
MMDadoda
 9/27/2018 3:33:16 PM



#56
 Ethyl methacrylate
 Concen: 18.847 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Tgt Ion:	69	Resp:	39626
Ion	Ratio	Lower	Upper
69	100		
41	78.1	59.0	88.4
39	37.6	30.2	45.4





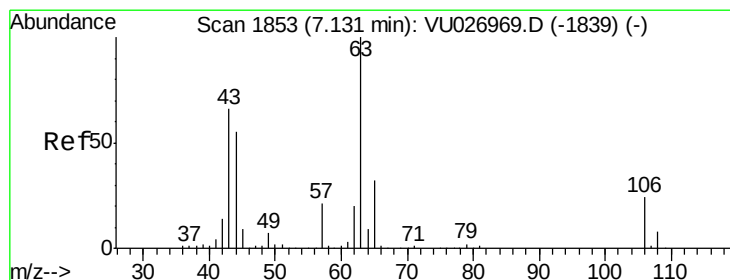
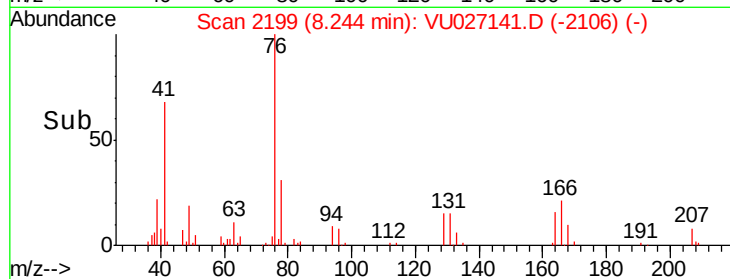
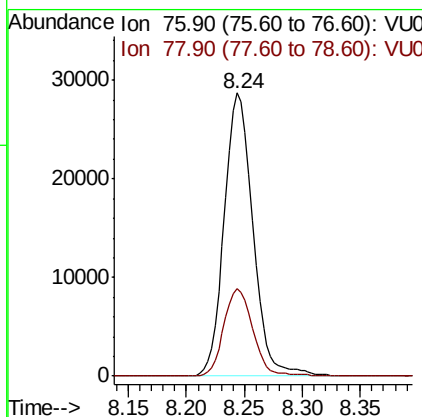
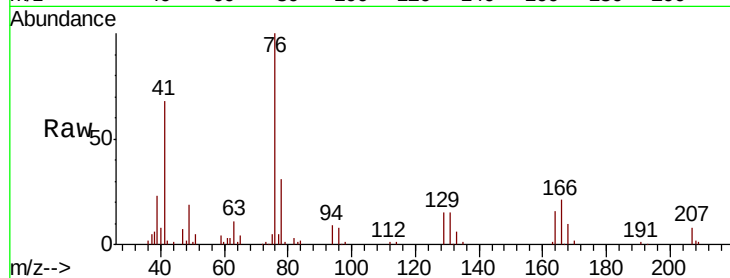
#57
 1,3-Dichloropropane
 Concen: 20.196 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.5	38.3

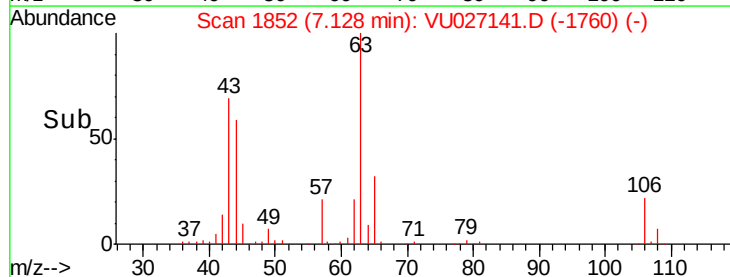
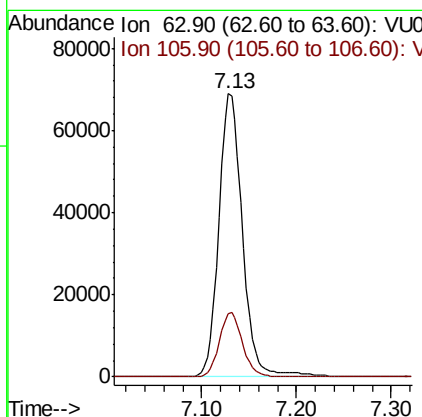
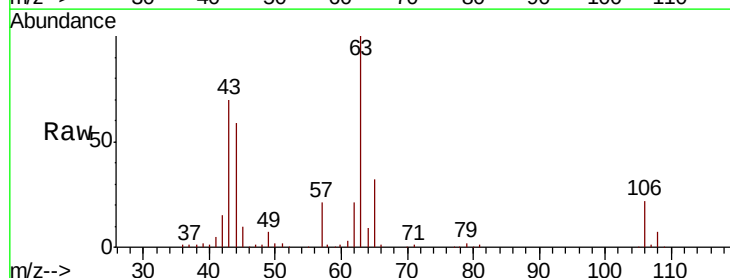
Manual Integrations
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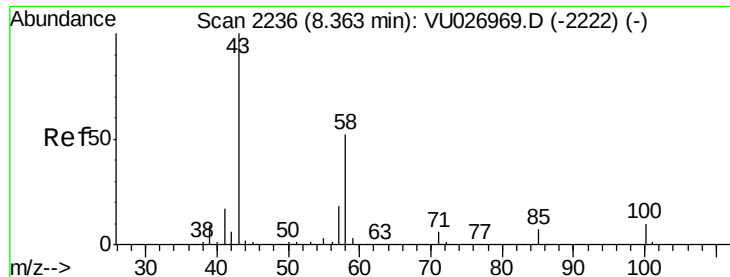
MMDadoda
 9/27/2018 3:33:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.563 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.2	18.7	28.1





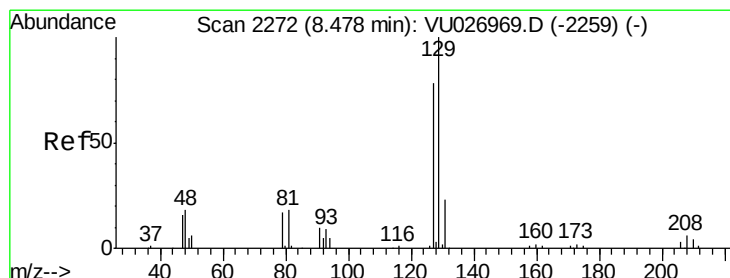
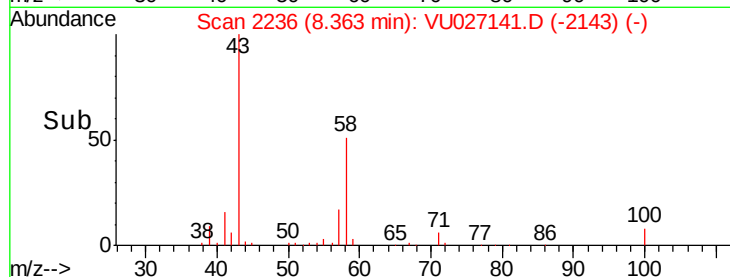
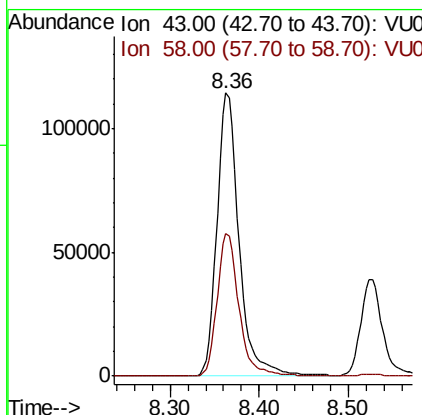
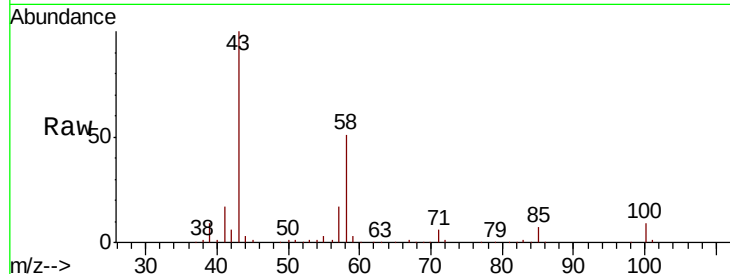
#59
2-Hexanone
Concen: 106.484 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion: 43 Resp: 196546
Ion Ratio Lower Upper
43 100
58 49.7 26.1 78.2

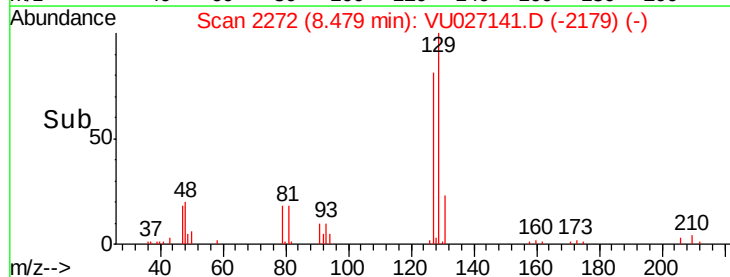
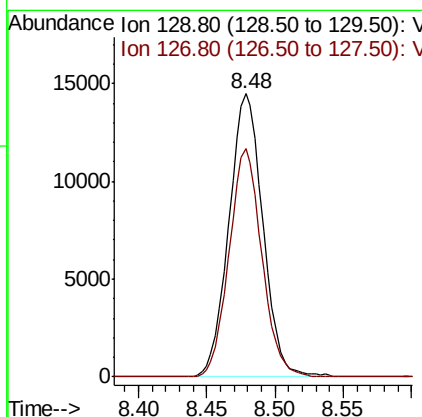
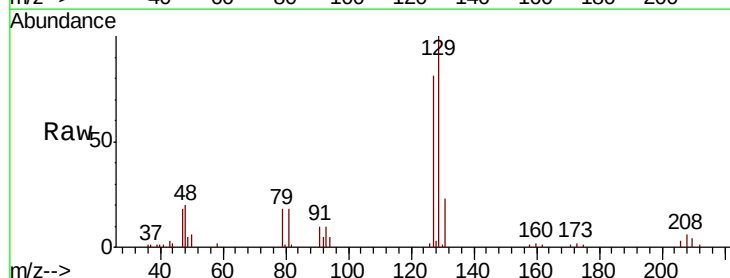
Manual Integrations
APPROVED

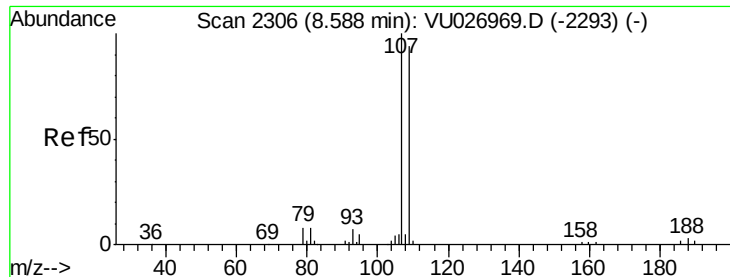
MMDadoda
9/27/2018 3:33:16 PM



#60
Dibromochloromethane
Concen: 19.482 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion: 129 Resp: 25057
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.5





#61

1,2-Dibromoethane

Concen: 18.979 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS01

Tot Ion:107 Resp: 25892

Ion Ratio Lower Upper

107 100

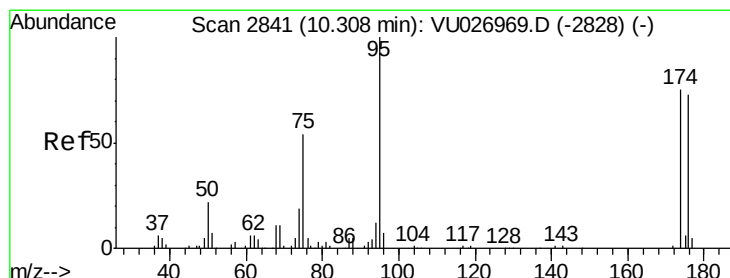
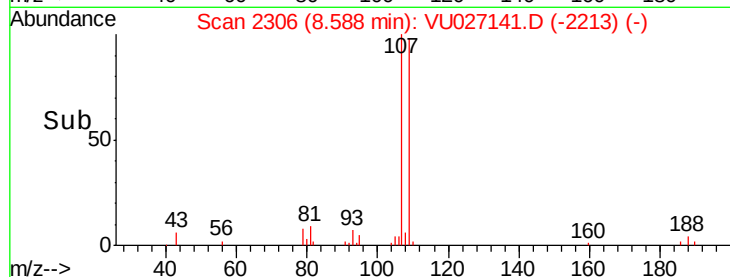
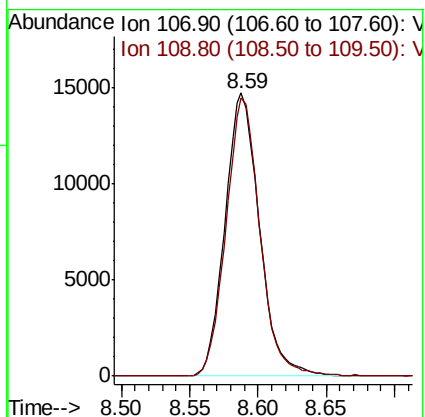
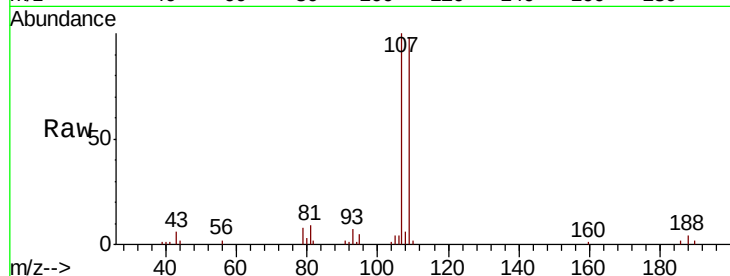
109 96.6 75.0 112.6

Manual Integrations

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MMDadoda

9/27/2018 3:33:16 PM



#62

4-Bromofluorobenzene

Concen: 51.043 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

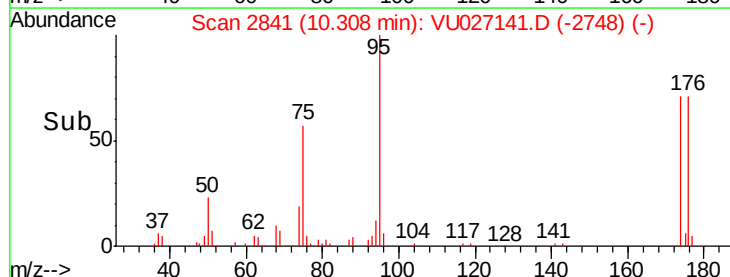
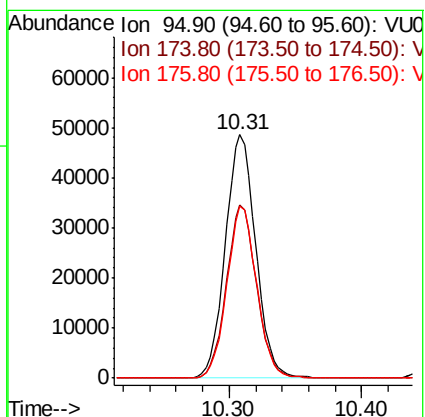
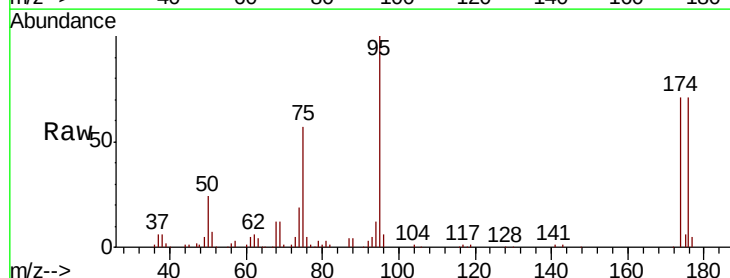
Tgt Ion: 95 Resp: 76986

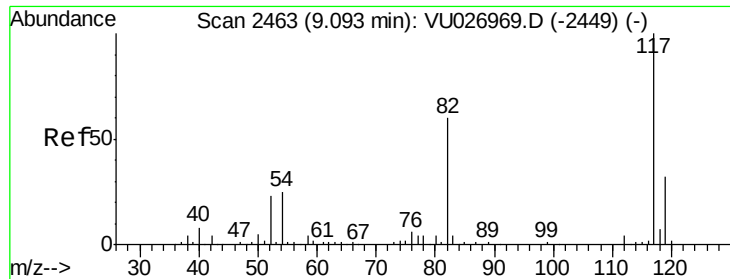
Ion Ratio Lower Upper

95 100

174 70.6 0.0 150.2

176 69.3 0.0 145.2





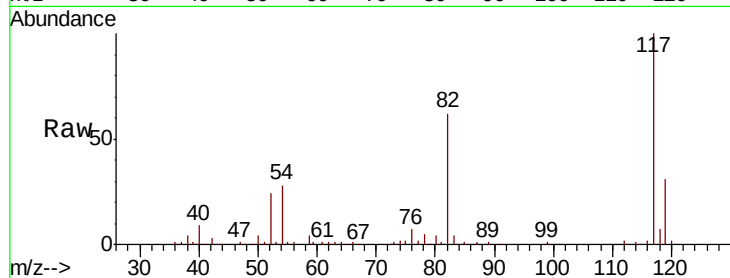
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.0	48.0	72.0
119	31.2	25.8	38.8

Manual Integrations
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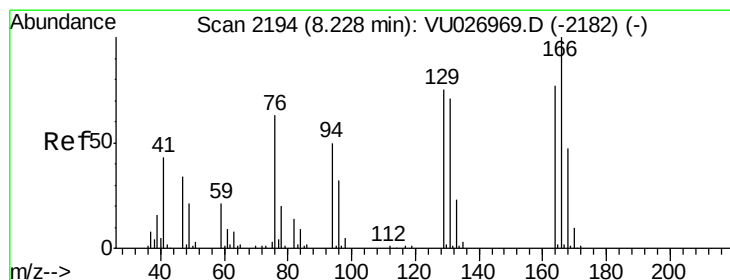
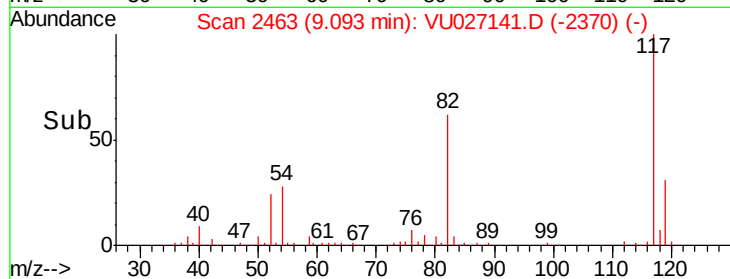
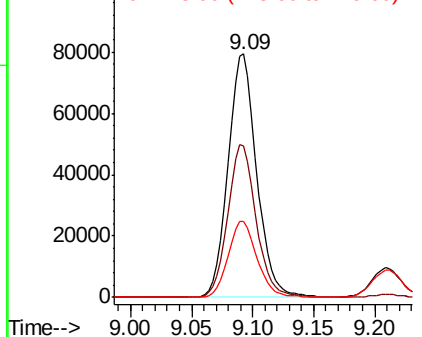


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.397 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	104.4	156.6
129	98.9	78.7	118.1
131	99.0	73.9	110.9

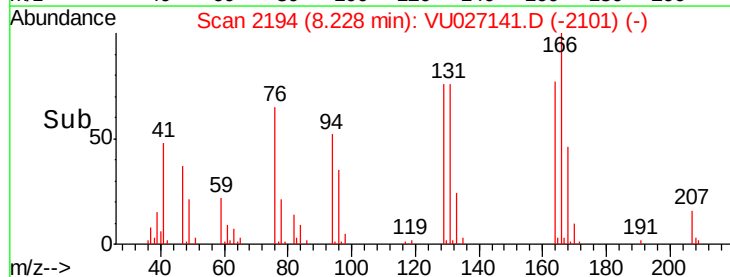
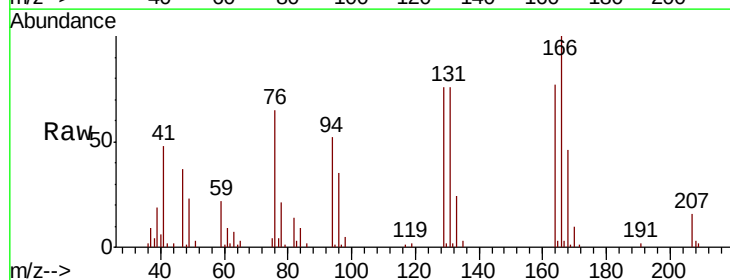
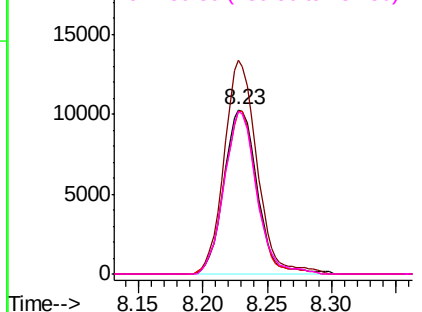
Abundance

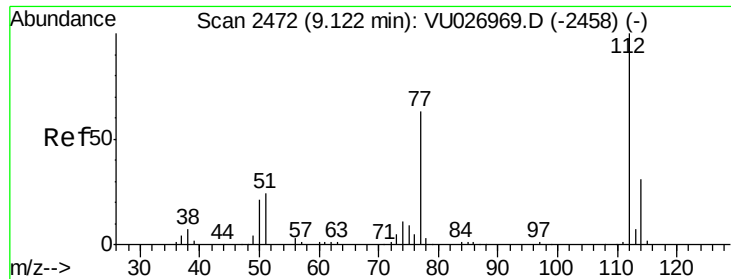
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





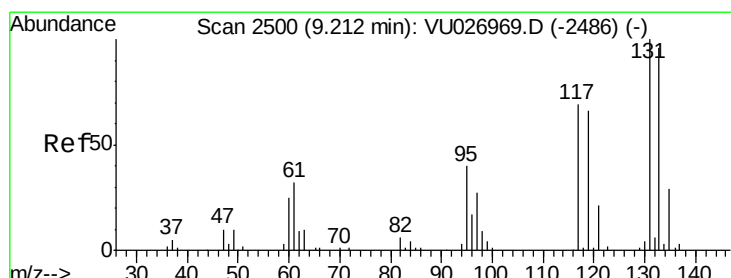
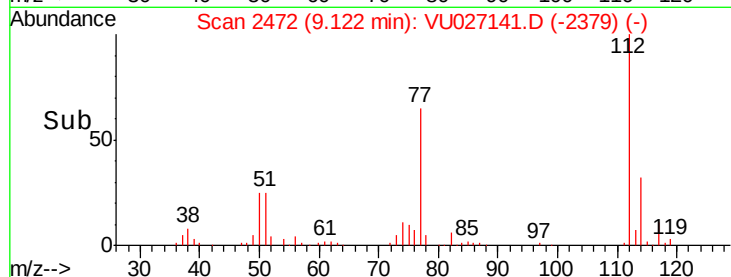
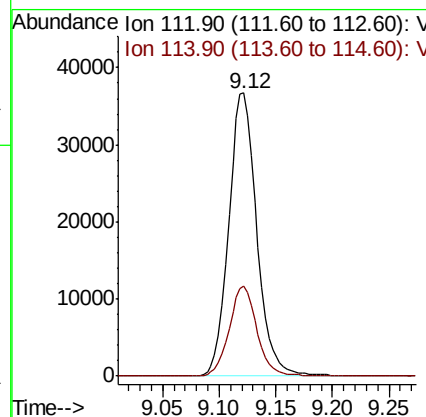
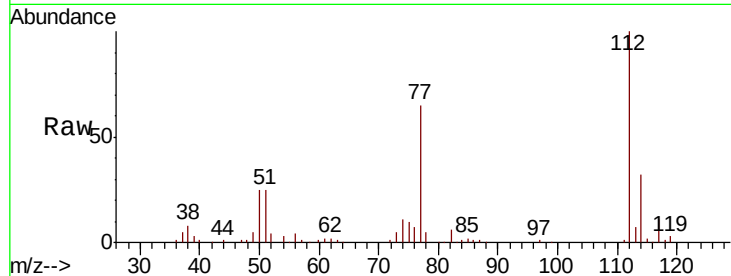
#65
Chlorobenzene
Concen: 18.309 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion:112 Resp: 63392
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6

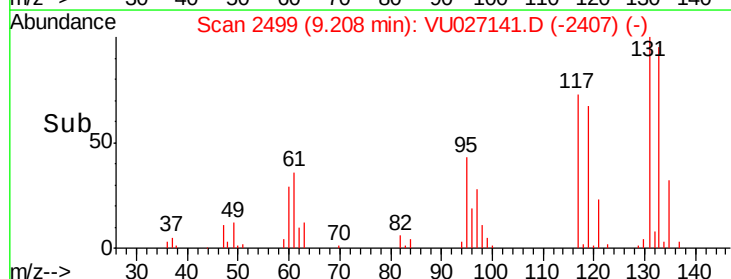
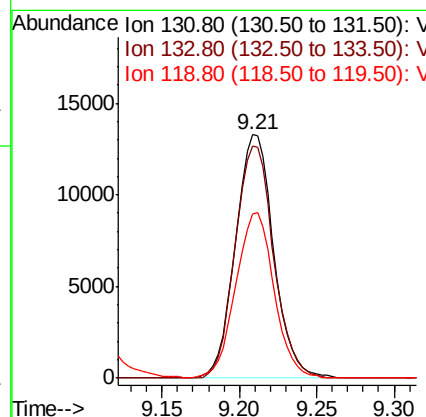
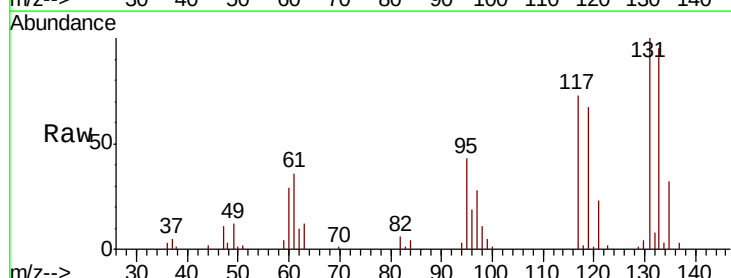
Manual Integrations
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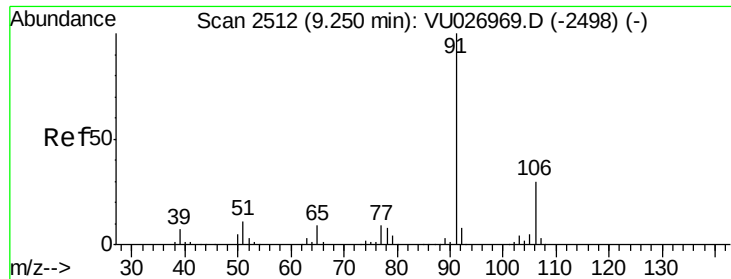
MMDadoda
9/27/2018 3:33:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.073 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion:131 Resp: 22746
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.2
119 68.4 33.4 100.1





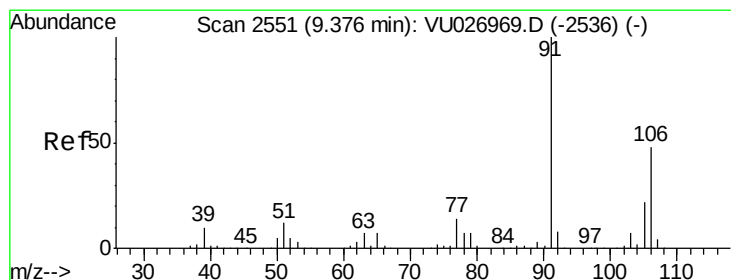
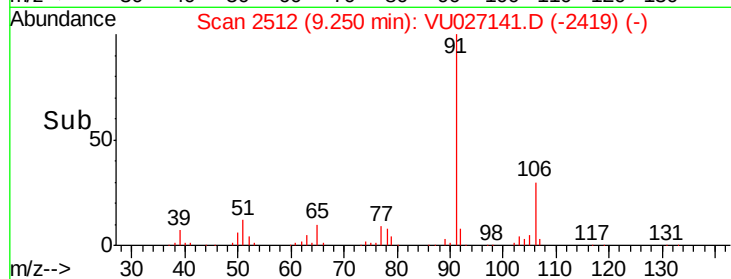
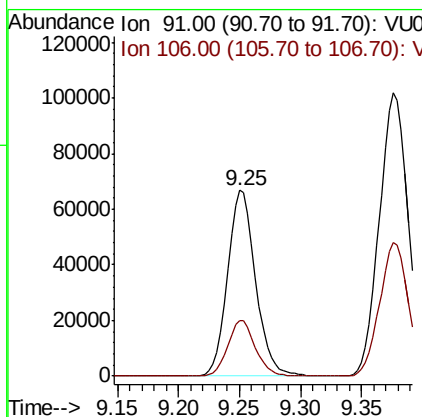
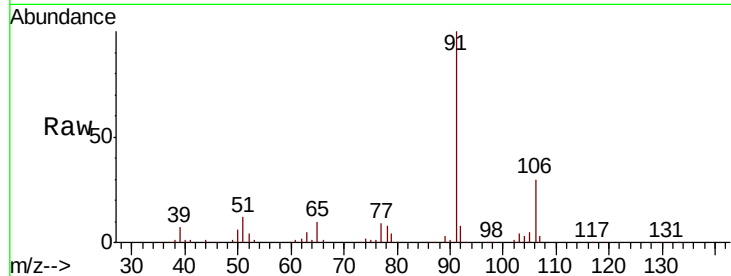
#67
Ethyl Benzene
Concen: 18.868 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion: 91 Resp: 107427
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.8

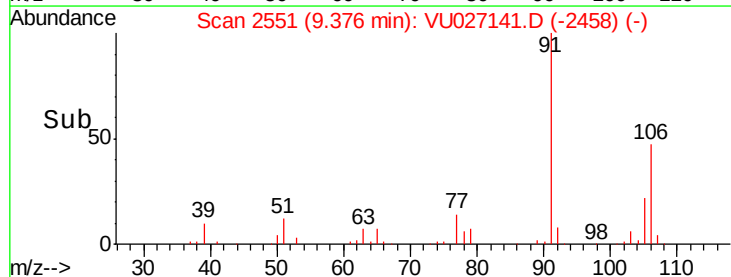
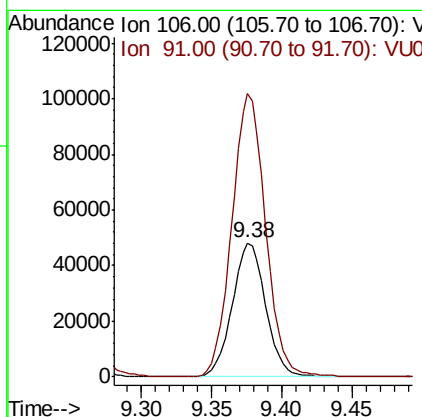
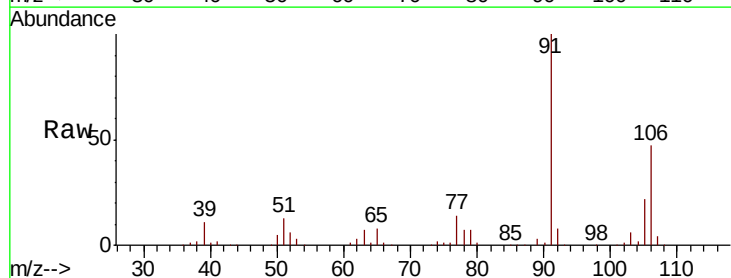
Manual Integrations
APPROVED

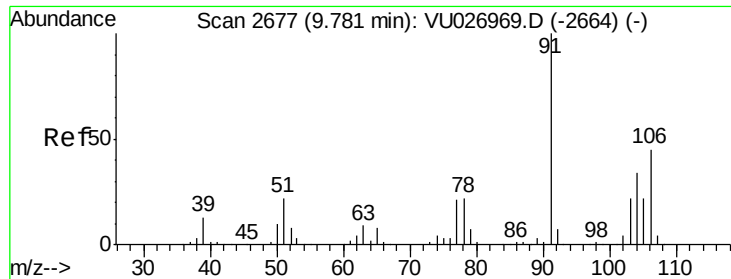
MMDadoda
9/27/2018 3:33:16 PM



#68
m/p-Xylenes
Concen: 35.561 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion: 106 Resp: 79733
Ion Ratio Lower Upper
106 100
91 214.2 166.5 249.7





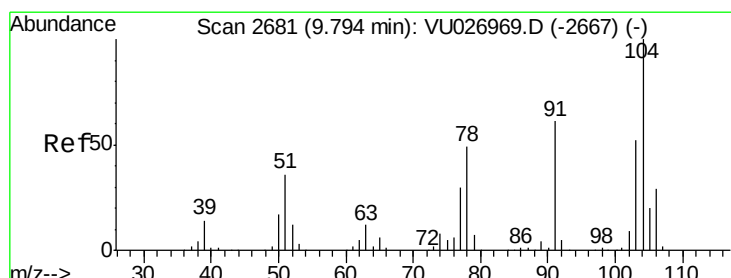
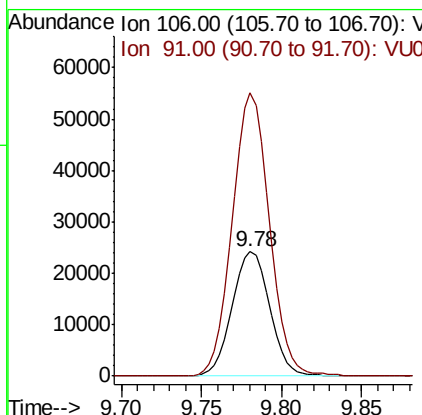
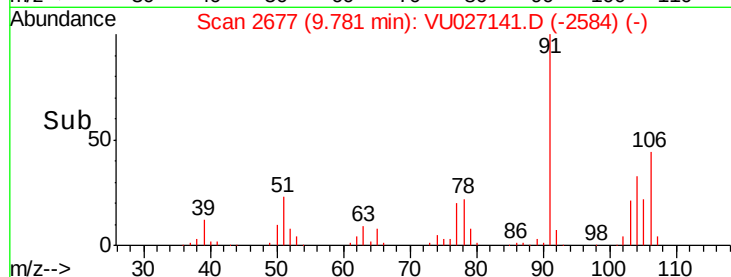
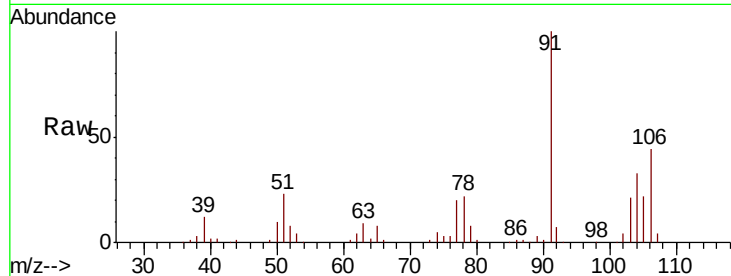
#69
o-Xylene
Concen: 19.193 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion:106 Resp: 38717
Ion Ratio Lower Upper
106 100
91 224.8 110.2 330.6

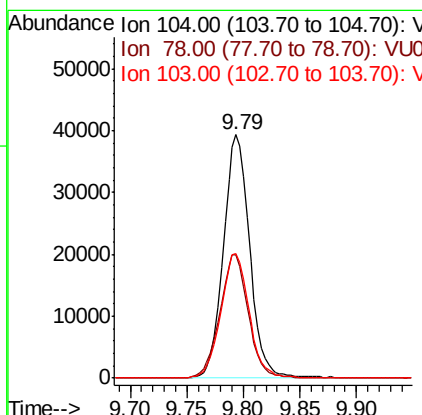
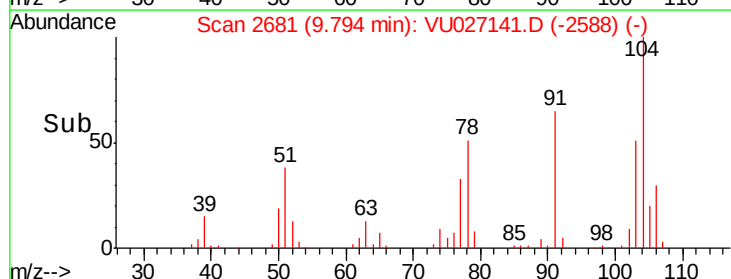
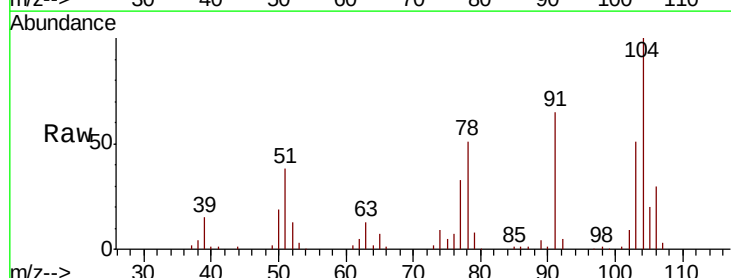
Manual Integrations
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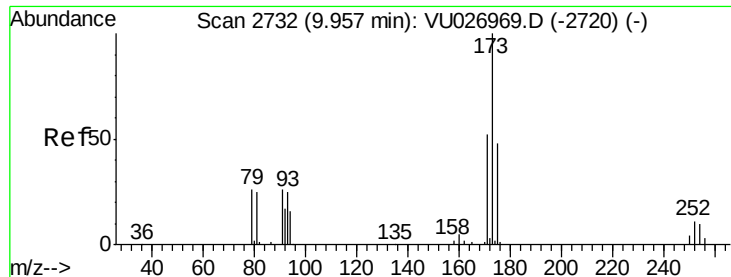
MMDadoda
9/27/2018 3:33:16 PM



#70
Styrene
Concen: 18.085 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion:104 Resp: 63606
Ion Ratio Lower Upper
104 100
78 54.7 43.0 64.4
103 55.1 44.1 66.1





#71

Bromoform

Concen: 19.529 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS01

Tot Ion:173 Resp: 18010

Ion Ratio Lower Upper

173 100

175 49.5 23.9 71.8

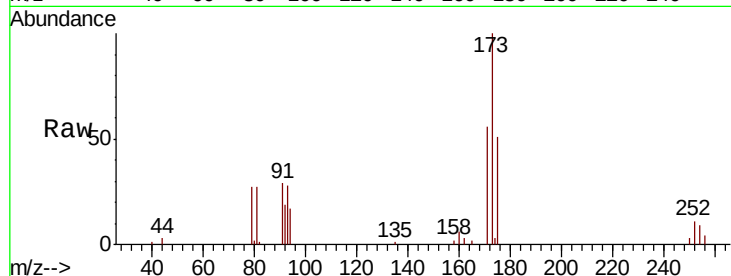
254 0.0 0.0 0.0

Manual Integrations

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MMDadoda

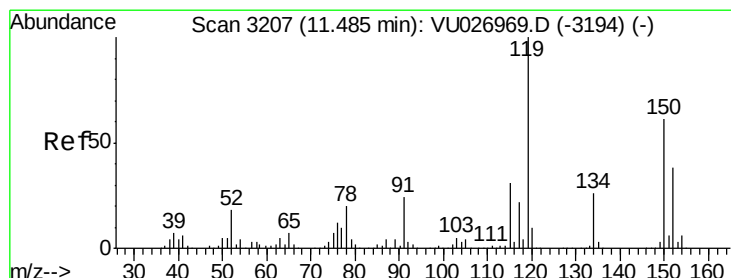
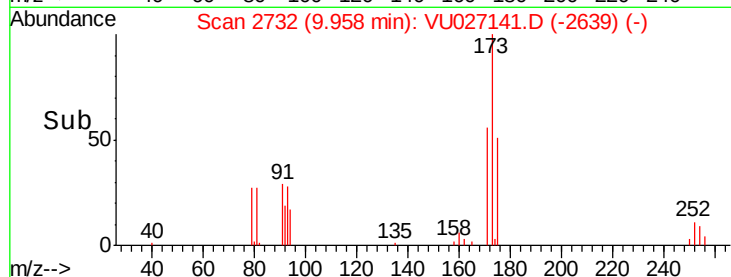
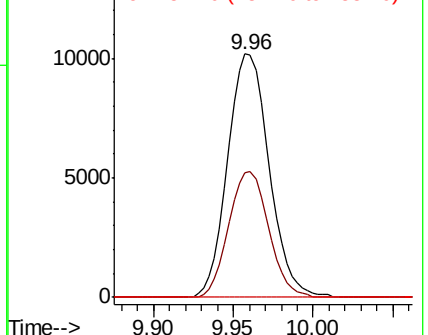
9/27/2018 3:33:16 PM



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: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

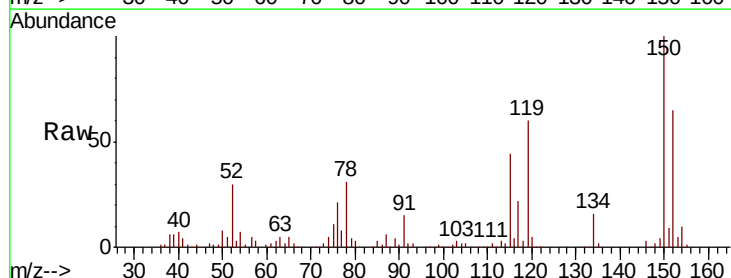
Tgt Ion:152 Resp: 68623

Ion Ratio Lower Upper

152 100

115 72.1 44.9 134.5

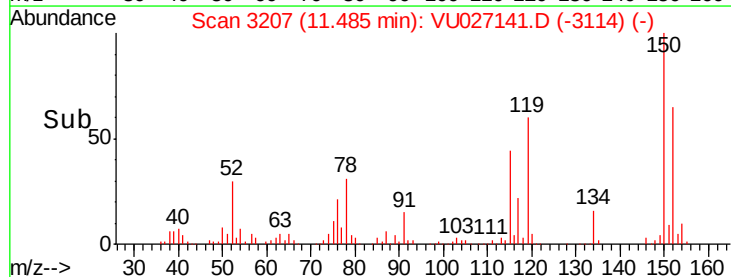
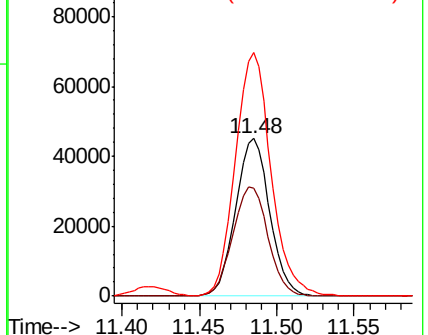
150 163.2 0.0 355.8

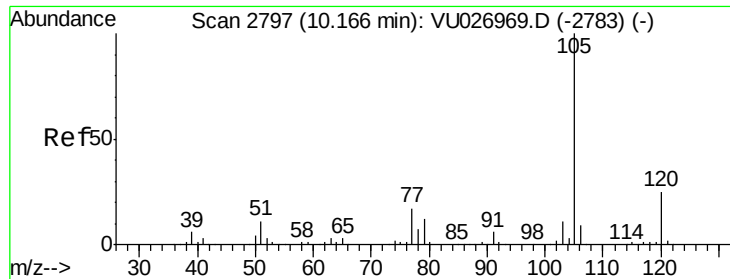


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.088 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS01

Tot Ion: 105 Resp: 104859

Ion Ratio Lower Upper

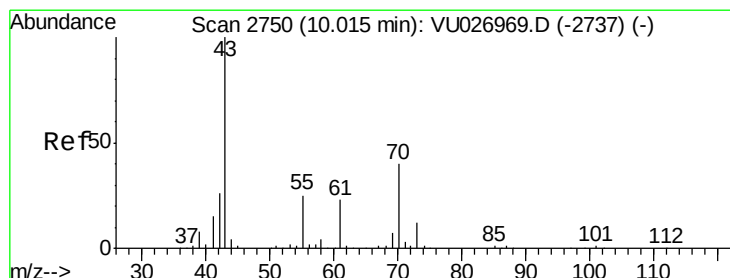
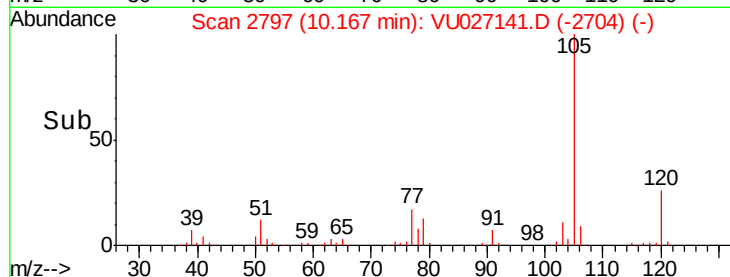
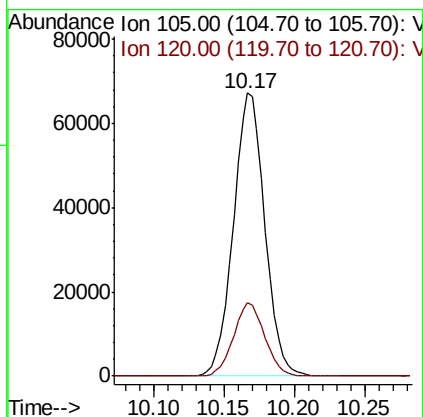
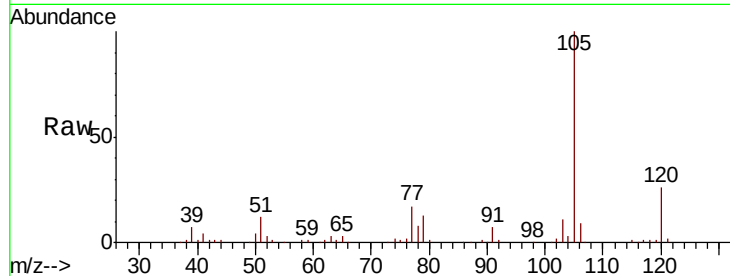
105 100

120 25.7 12.8 38.4

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 20.620 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Tgt Ion: 43 Resp: 62305

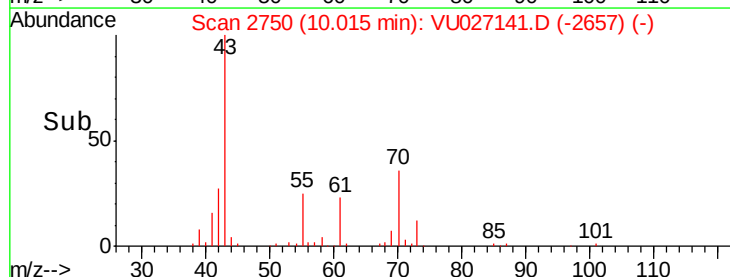
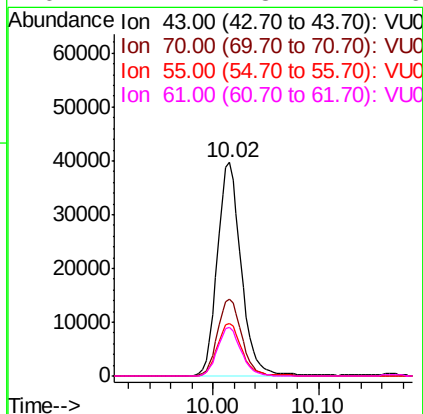
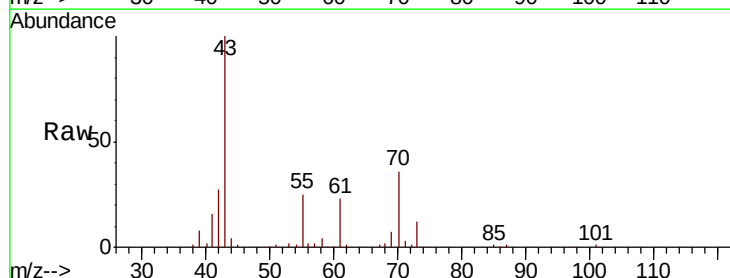
Ion Ratio Lower Upper

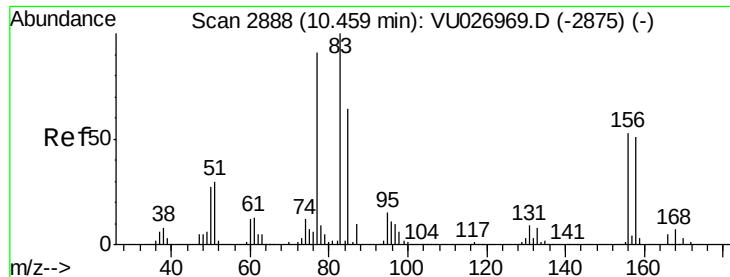
43 100

70 36.3 31.8 47.8

55 24.7 19.9 29.9

61 22.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.101 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Instrument :

MSVOA_U

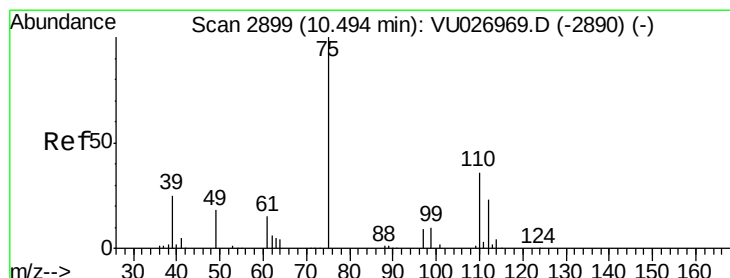
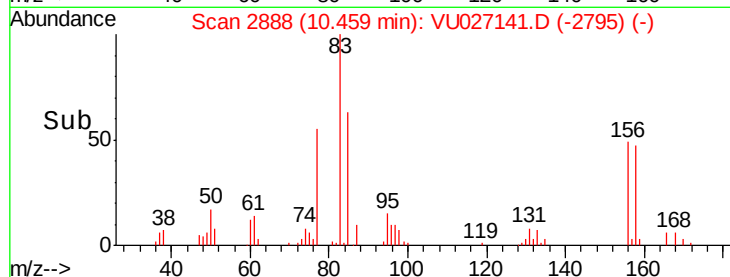
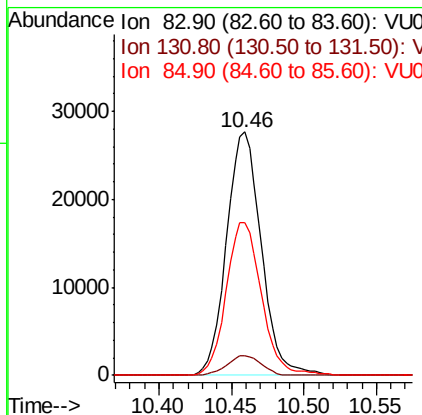
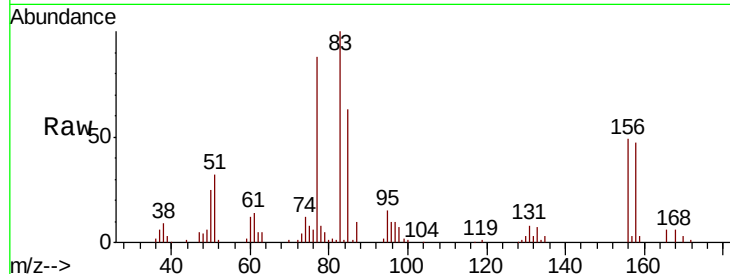
ClientSampleId :

VU0926WBS01

Tot Ion:	83	Resp:	45844
Ion Ratio	Lower	Upper	
83	100		
131	7.9	4.3	12.8
85	63.8	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 19.917 ug/l m

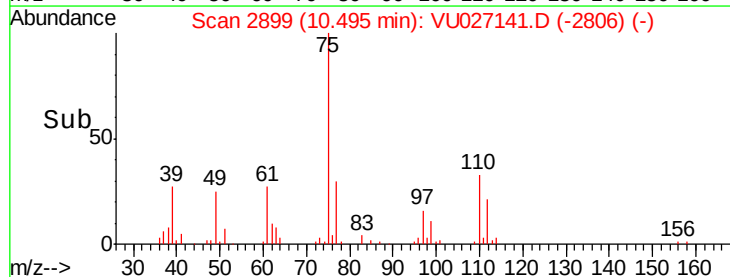
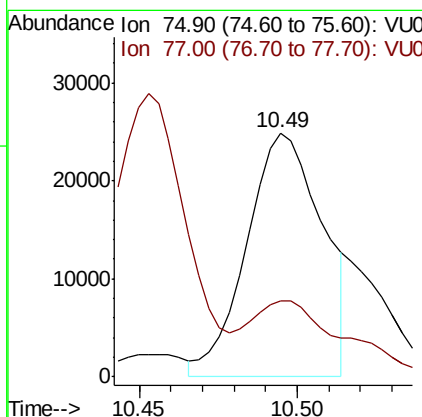
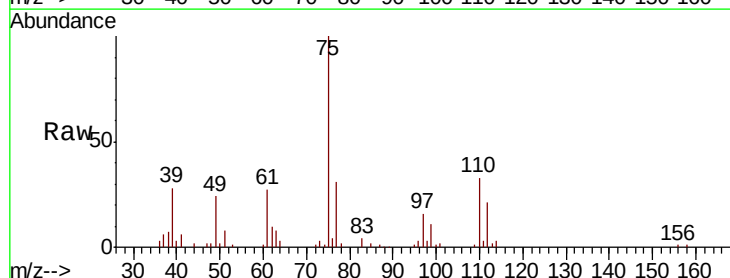
RT: 10.49 min Scan# 2899

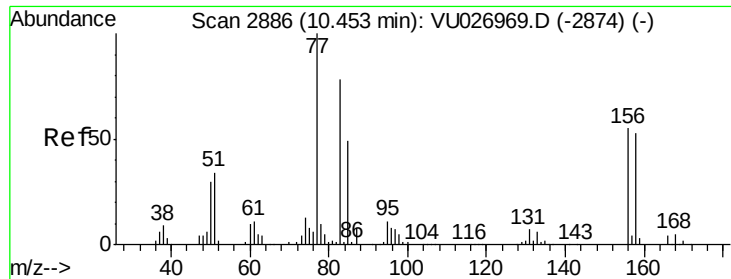
Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Tgt Ion:	75	Resp:	41521
Ion Ratio	Lower	Upper	
75	100		
77	37.9	20.9	62.8





#77

Bromobenzene

Concen: 19.087 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Instrument :

MSVOA_U

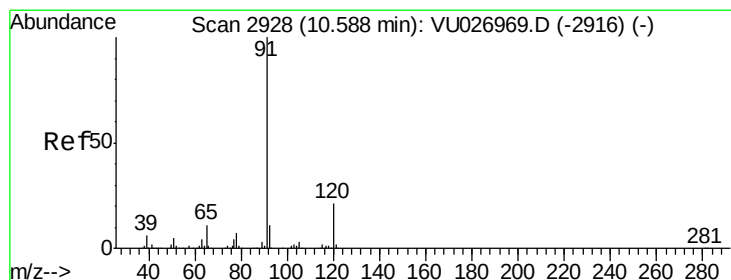
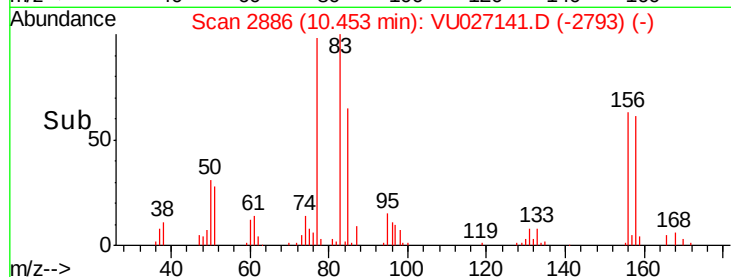
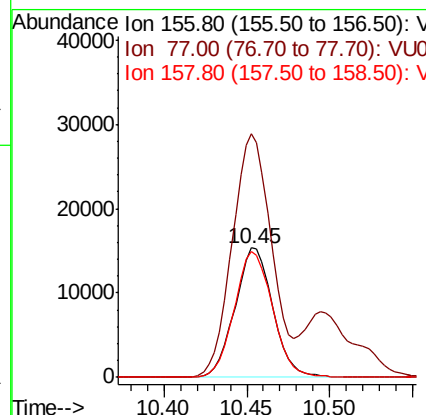
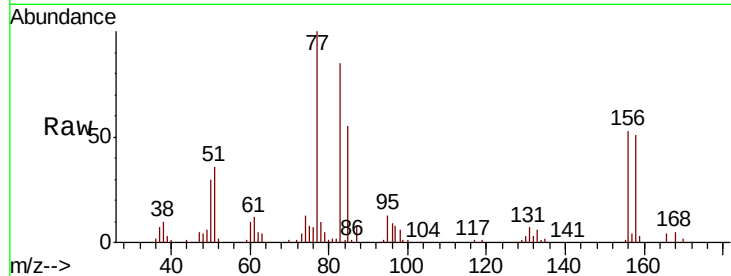
ClientSampleId :

VU0926WBS01

Tot Ion:	156	Resp:	24348
Ion	Ratio	Lower	Upper
156	100		
77	195.5	92.3	276.9
158	98.4	48.1	144.3

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#78

n-propylbenzene

Concen: 20.190 ug/l

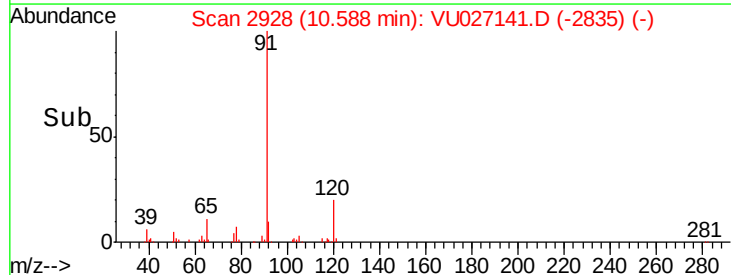
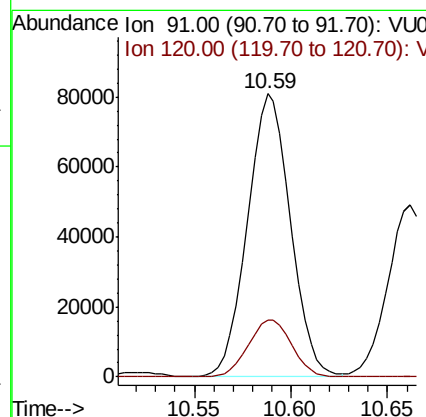
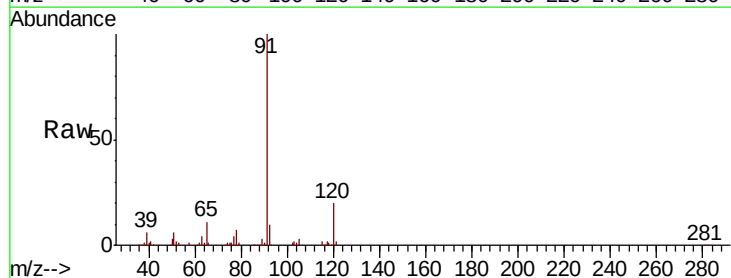
RT: 10.59 min Scan# 2928

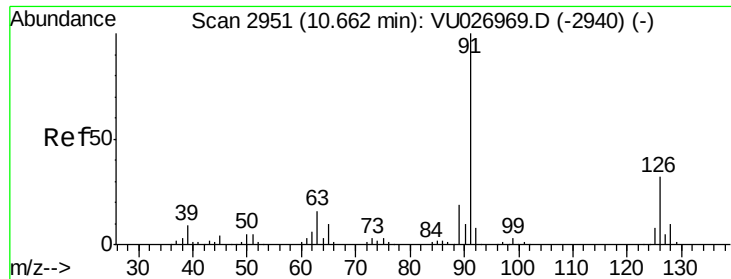
Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Tgt Ion:	91	Resp:	124705
Ion	Ratio	Lower	Upper
91	100		
120	20.3	10.6	31.8





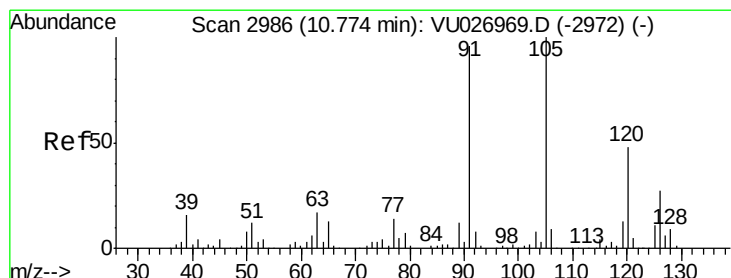
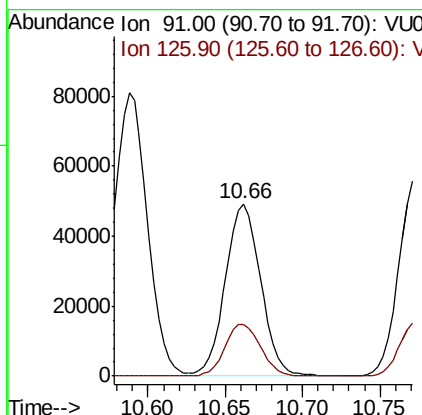
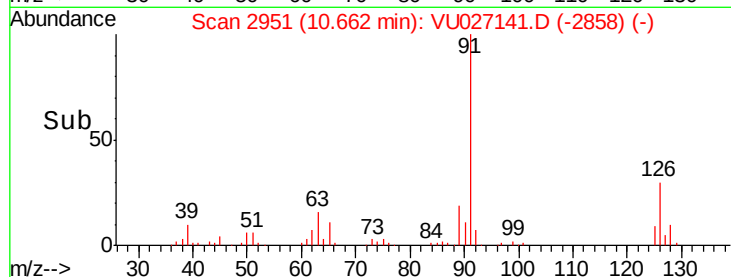
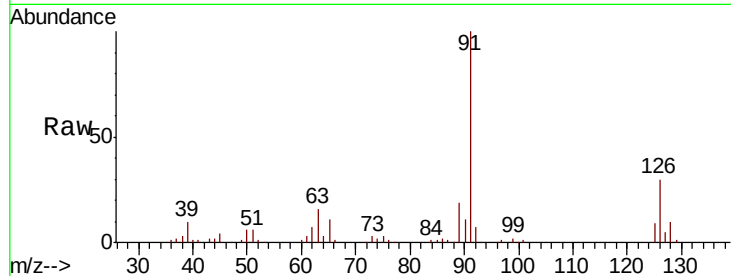
#79
 2-Chlorotoluene
 Concen: 19.996 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS01

Tot Ion: 91 Resp: 77578
 Ion Ratio Lower Upper
 91 100
 126 30.6 15.8 47.3

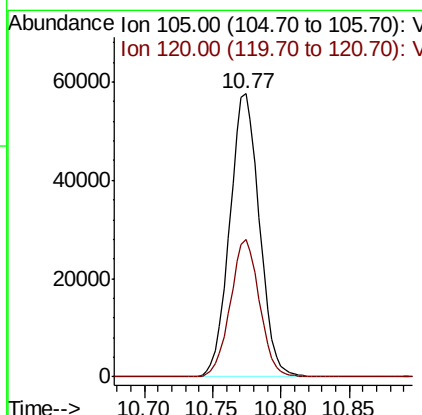
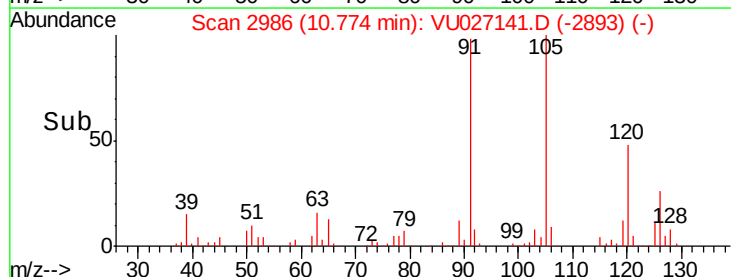
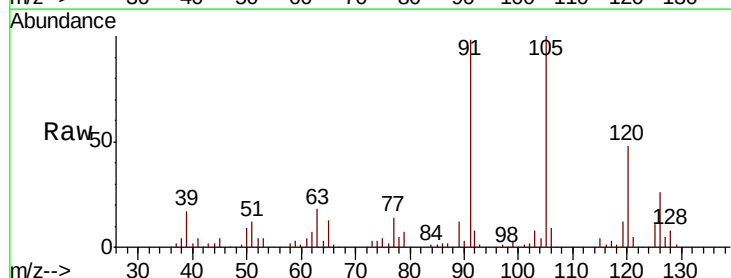
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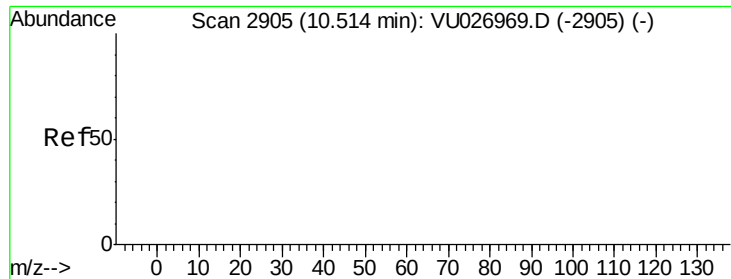
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.230 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Tgt Ion: 105 Resp: 87173
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 17.721 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

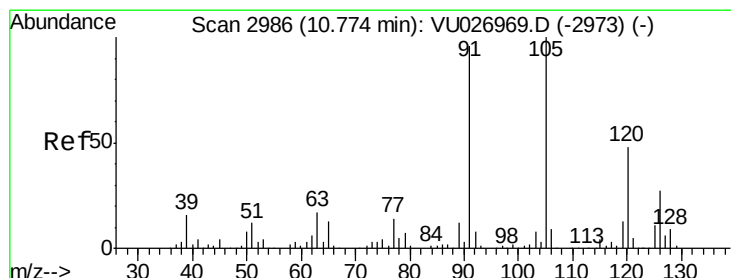
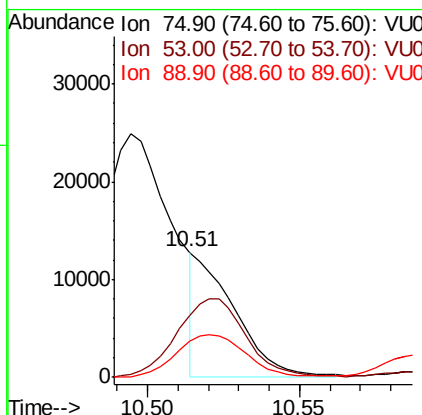
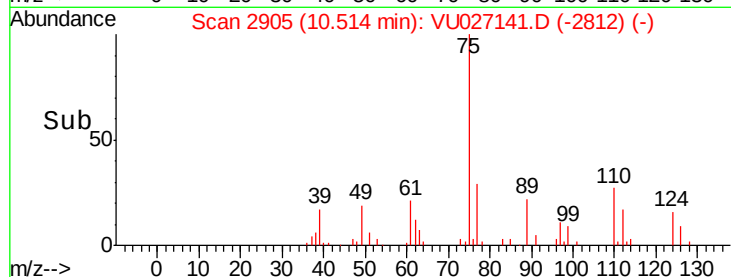
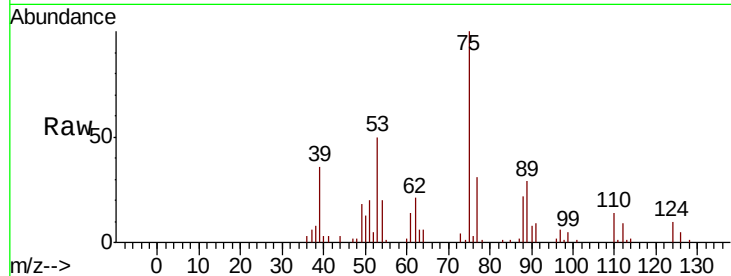
Instrument :
MSVOA_U

ClientSampleId :
VU0926WBS01

Tot 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: 20.101 ug/l

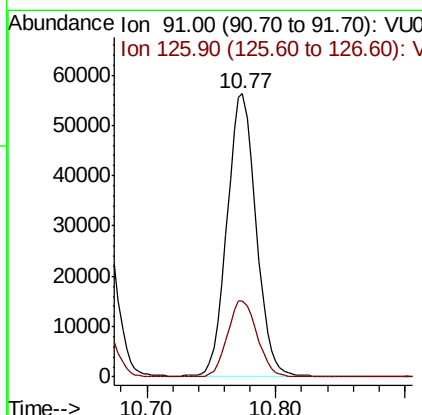
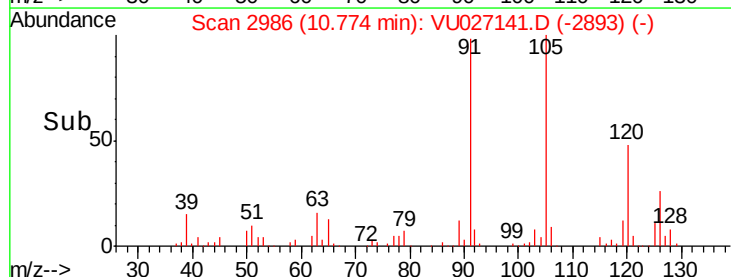
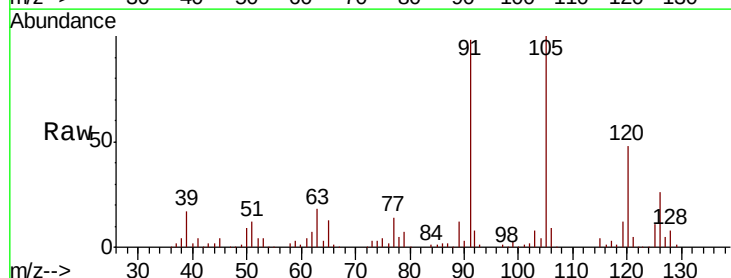
RT: 10.77 min Scan# 2986

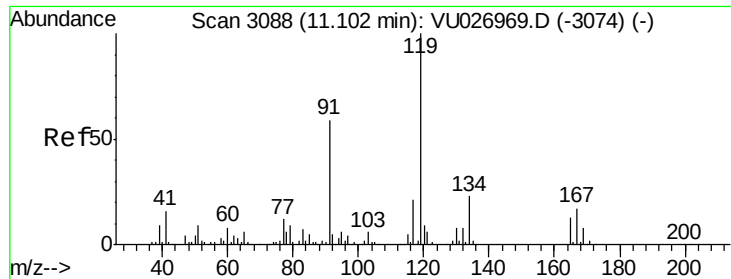
Delta R.T. 0.00 min

Lab File: VU027141.D

Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.1	42.2





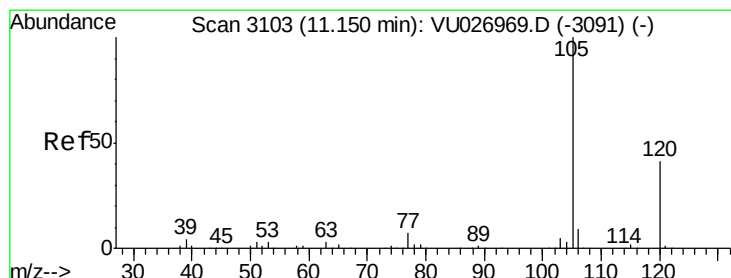
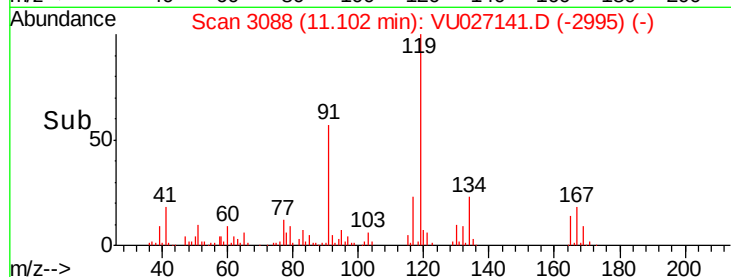
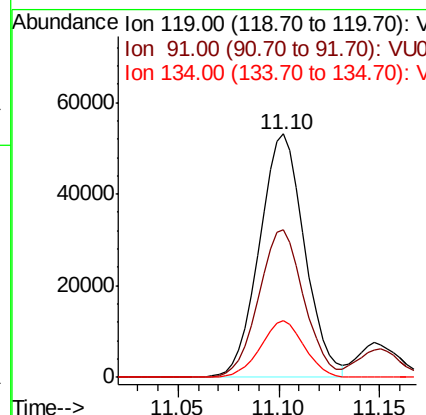
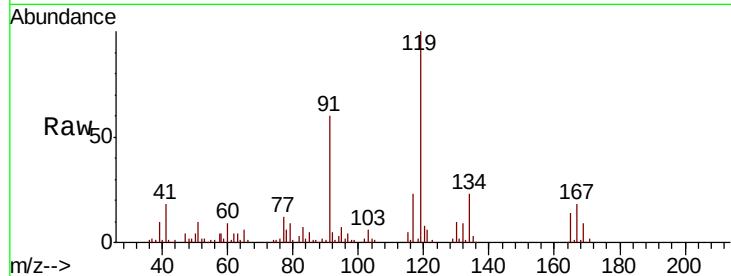
#83
 tert-Butylbenzene
 Concen: 19.452 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	82868		
91	60.5	29.8	89.4	
134	22.5	11.5	34.4	

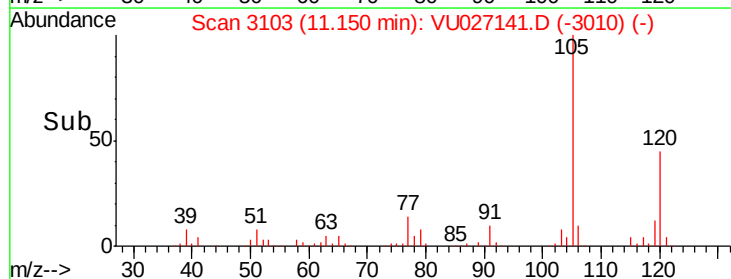
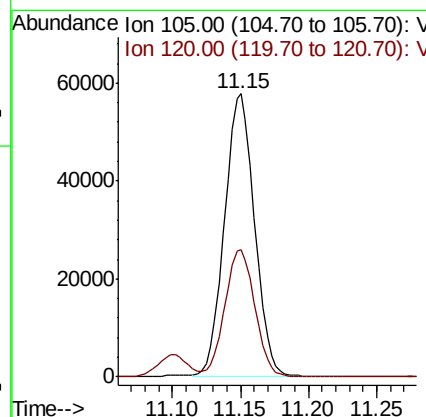
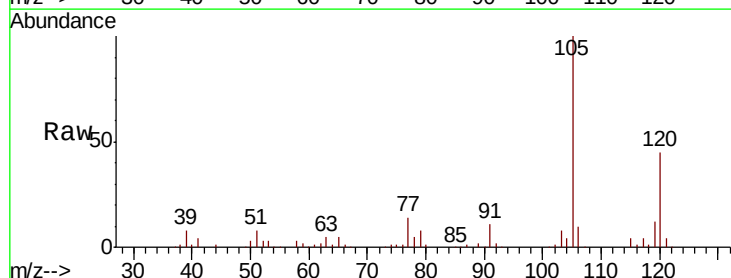
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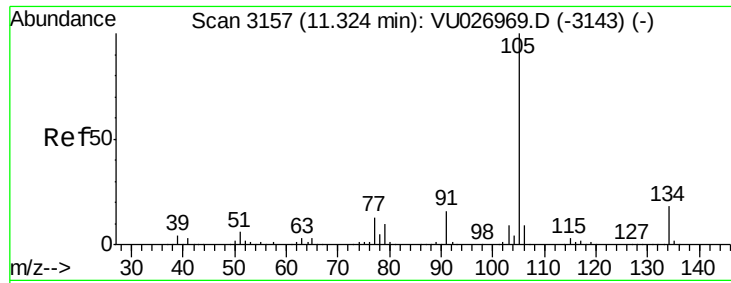
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.243 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	88769		
120	44.7	22.4	67.2	





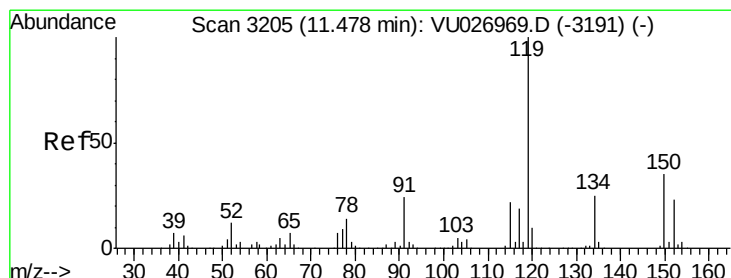
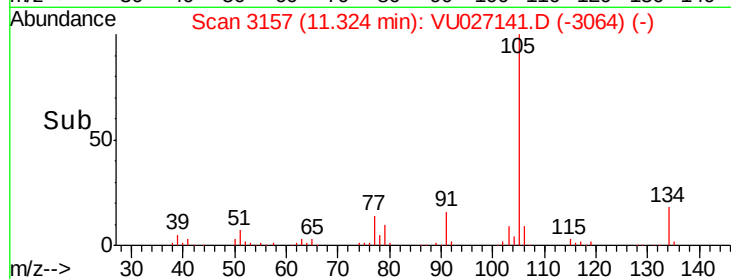
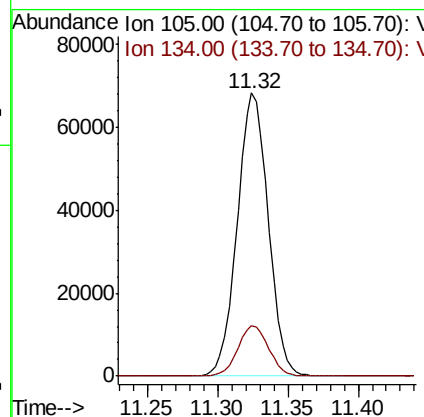
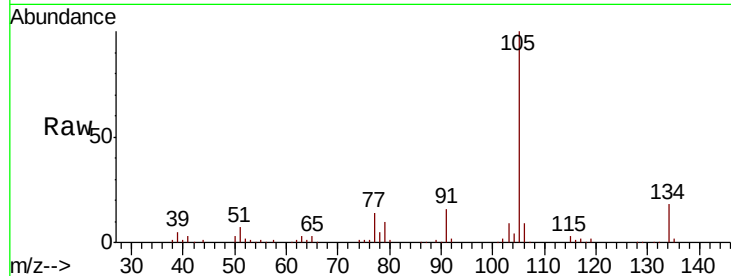
#85
 sec-Butylbenzene
 Concen: 20.232 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	105216		
134	17.6	9.4	28.2	

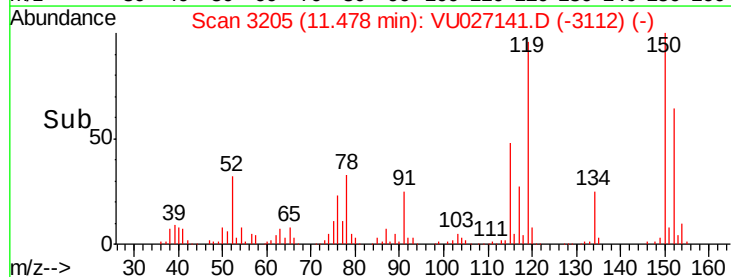
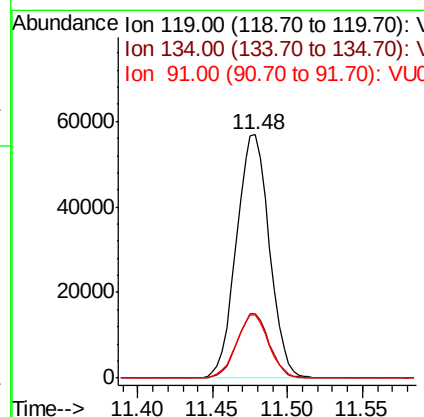
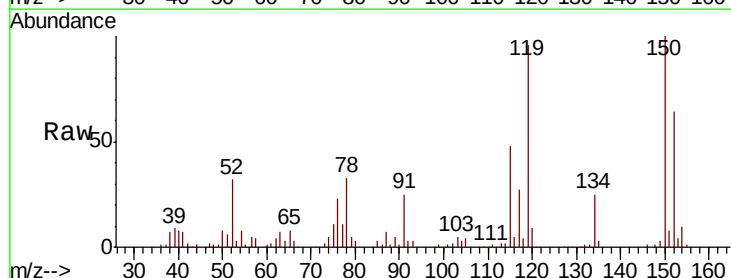
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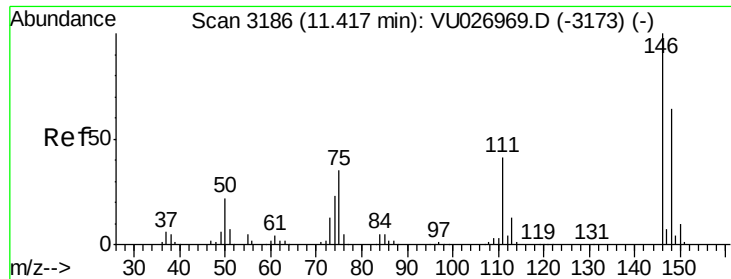
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#86
 p-Isopropyltoluene
 Concen: 18.506 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	87398		
134	25.7	12.8	38.3	
91	25.6	12.3	36.8	





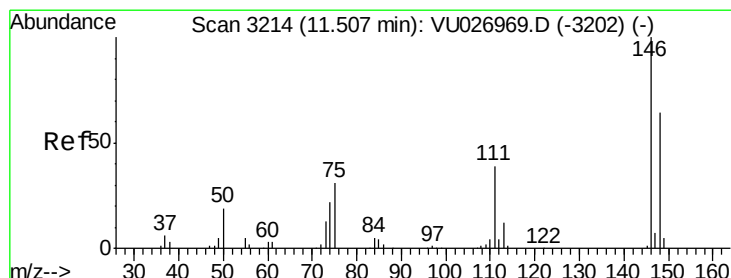
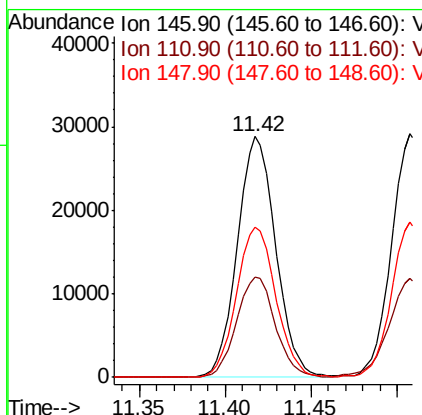
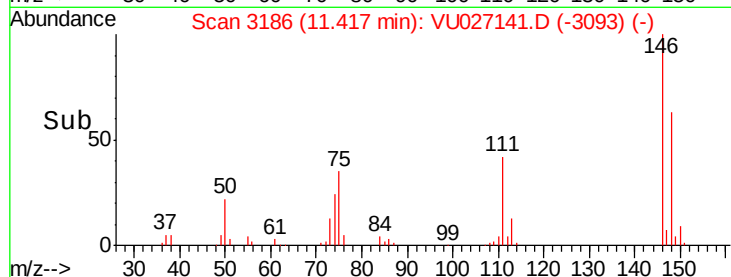
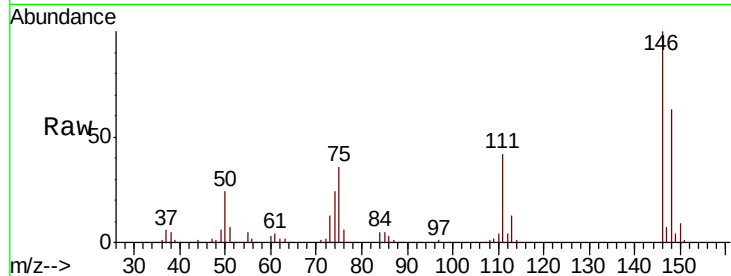
#87
 1,3-Dichlorobenzene
 Concen: 18.905 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.2
148	63.9	32.0	96.2

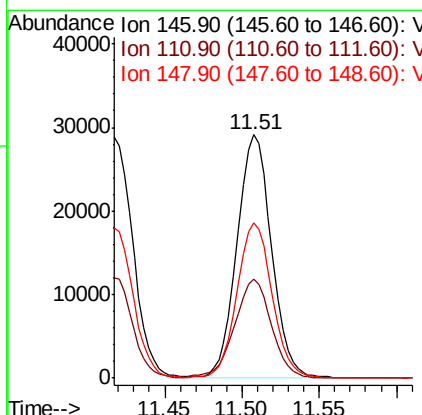
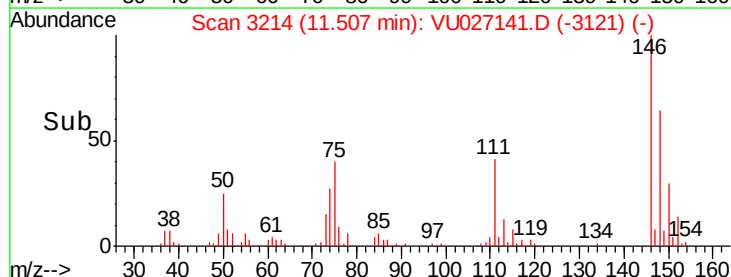
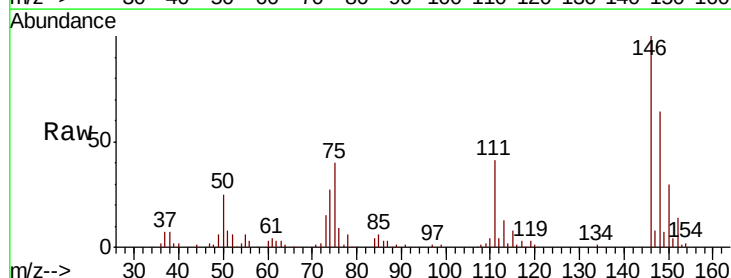
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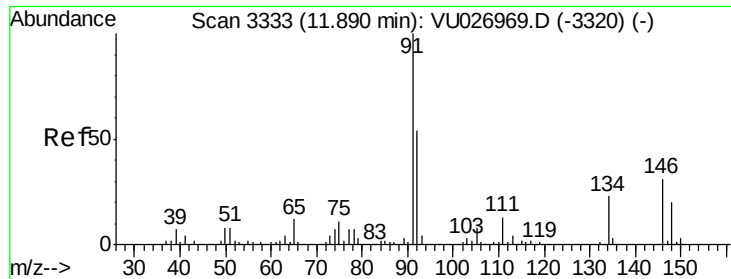
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#88
 1,4-Dichlorobenzene
 Concen: 17.532 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.3	60.9
148	64.8	31.9	95.9





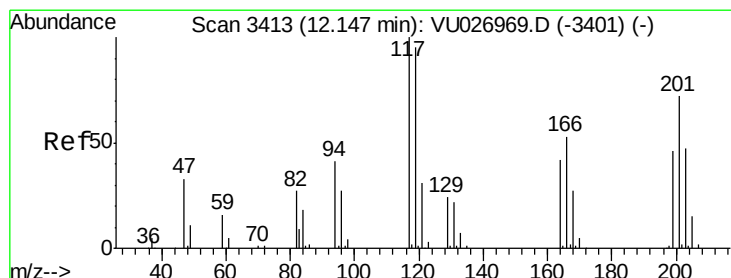
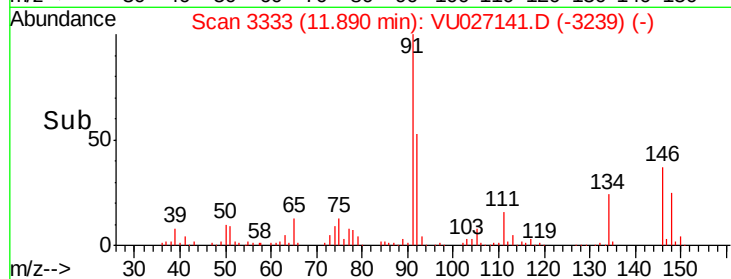
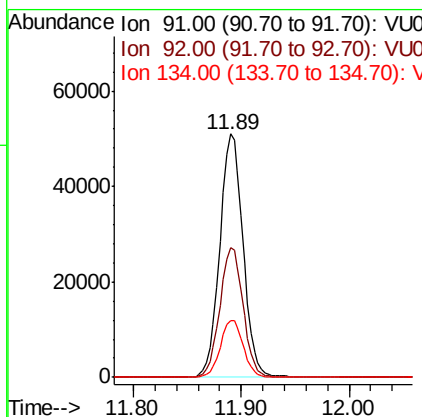
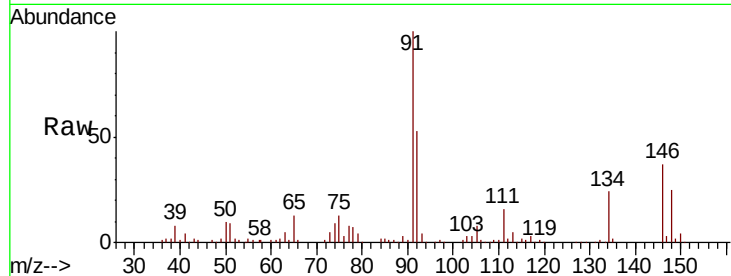
#89
n-Butylbenzene
Concen: 17.806 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.1	81.2
134	22.9	11.7	35.0

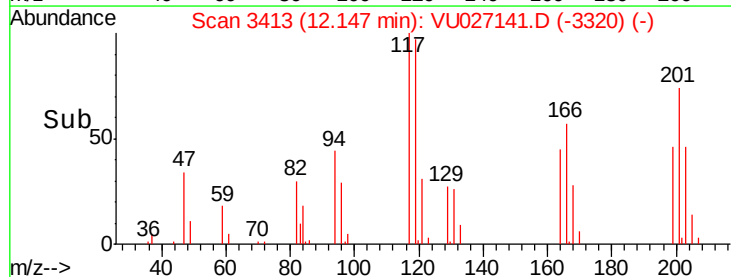
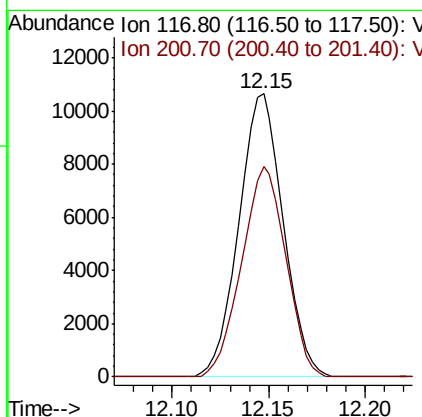
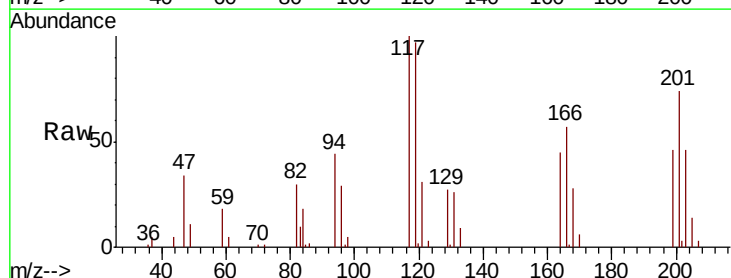
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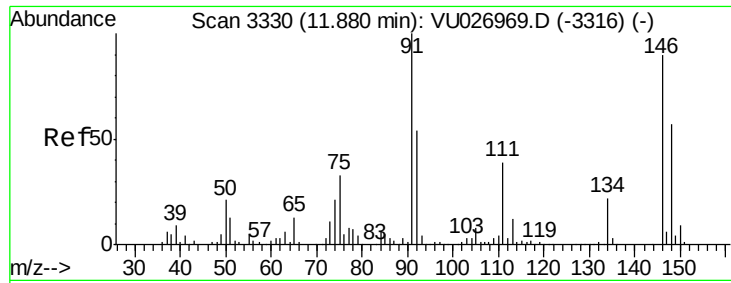
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#90
Hexachloroethane
Concen: 17.941 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.0	36.8	110.3





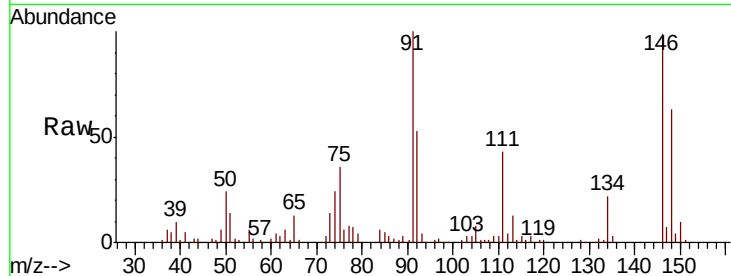
#91
 1,2-Dichlorobenzene
 Concen: 18.162 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS01

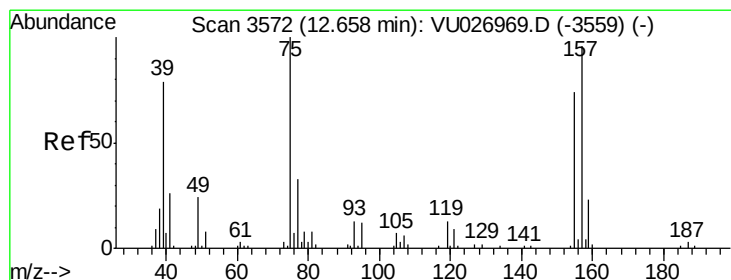
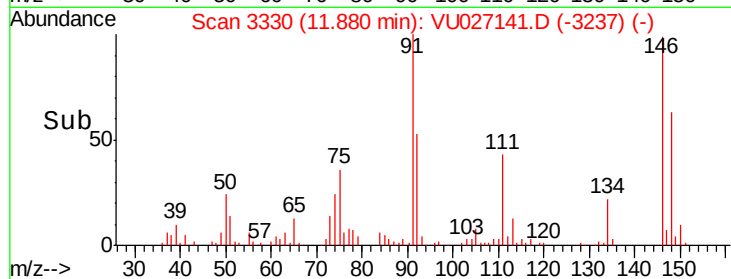
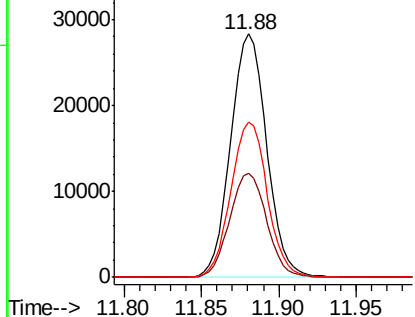
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.8	65.3
148	64.3	31.9	95.7

Manual Integrations
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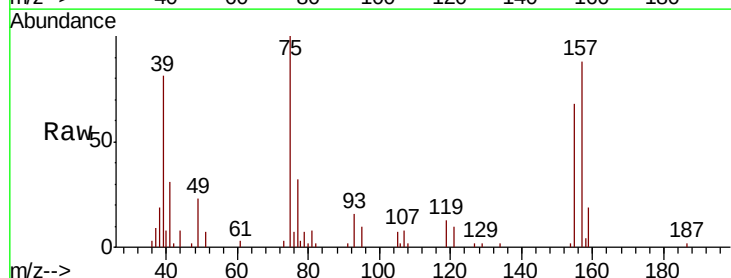


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

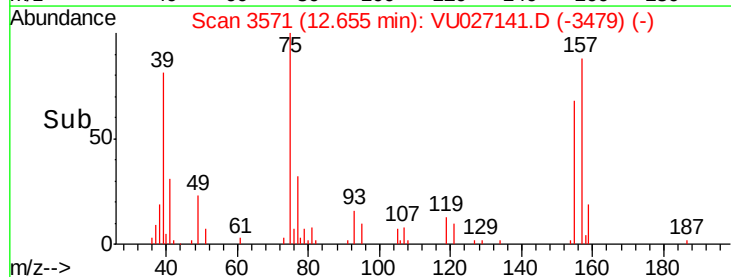
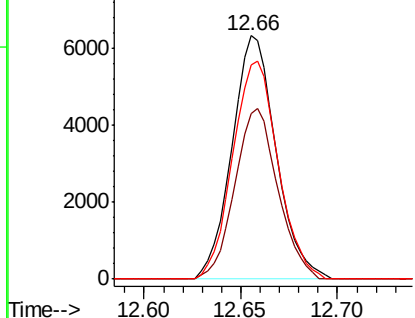


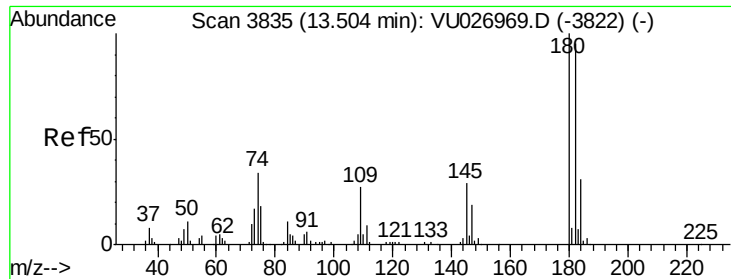
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.504 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.3	36.6	109.8
157	91.9	47.4	142.2



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





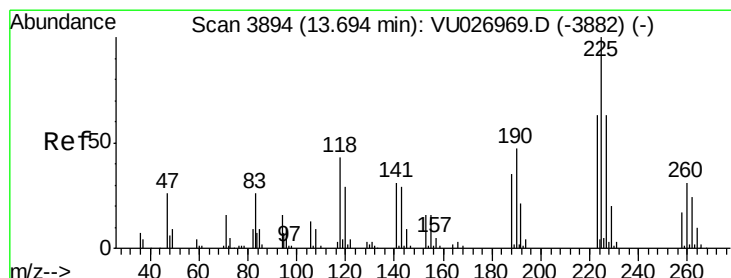
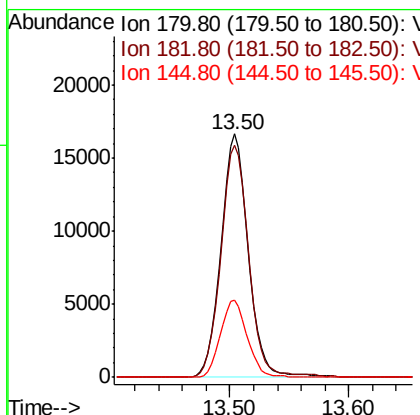
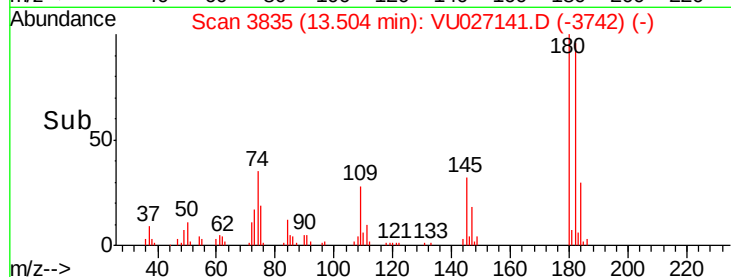
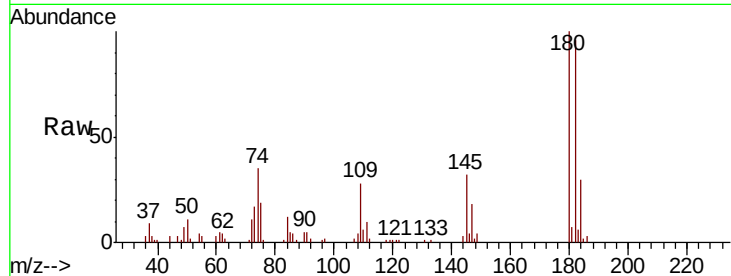
#93
 1,2,4-Trichlorobenzene
 Concen: 18.191 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.4	142.2
145	31.0	14.9	44.5

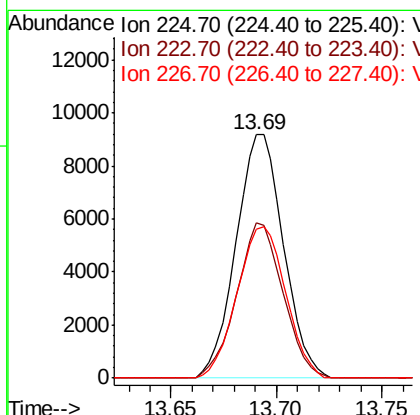
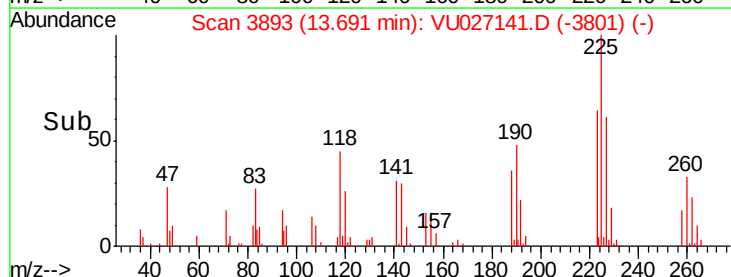
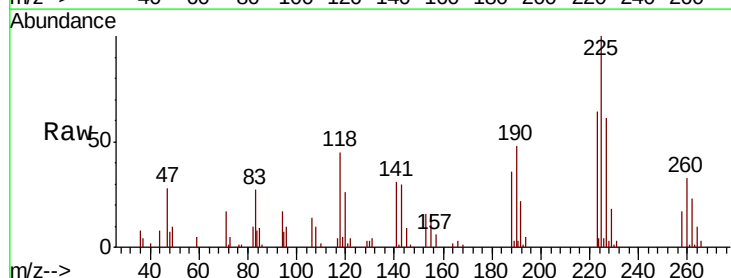
Manual Integrations
 APPROVED

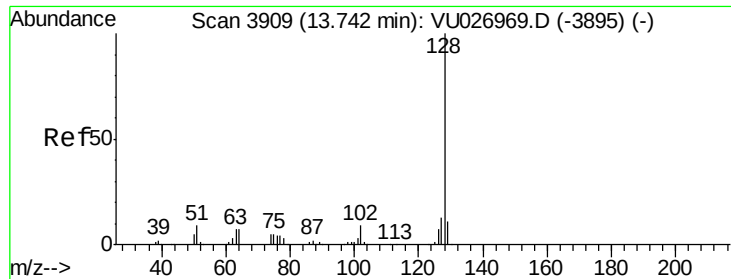
MMDadoda
 9/27/2018 3:33:16 PM



#94
 Hexachlorobutadiene
 Concen: 18.662 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027141.D
 Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.9	95.7
227	63.7	32.1	96.5





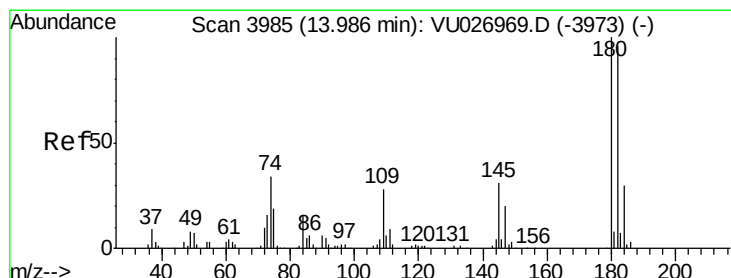
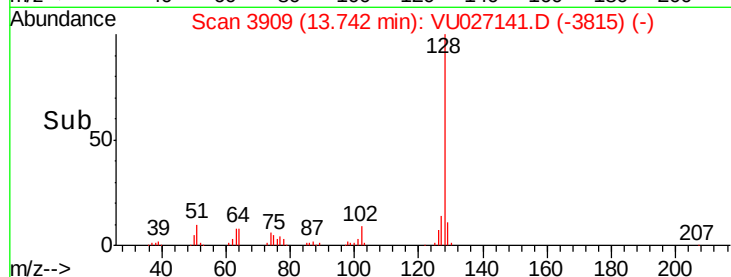
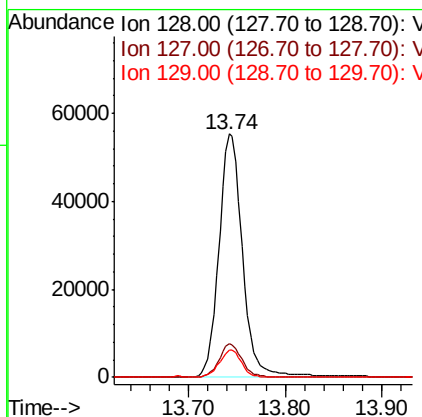
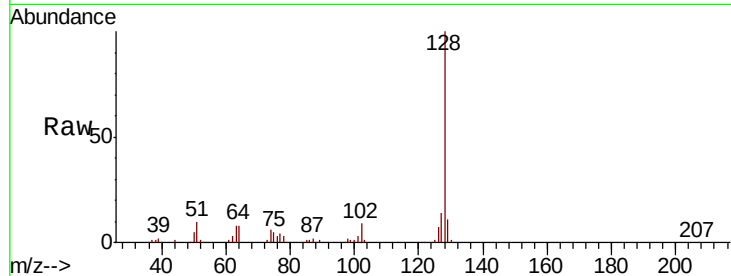
#95
Naphthalene
Concen: 17.643 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:33:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.701 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027141.D
Acq: 25 Sep 2018 21:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.5	142.5
145	31.4	15.4	46.4

