

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU026995.D
 Acq On : 22 Sep 2018 04:35
 Operator : MD/SY
 Sample : VU0922WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:17 PM

Quant Time: Sep 22 04:57:38 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	82320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	143642	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	141774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	89043	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
35) Dibromofluoromethane	4.88	113	62104	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	7.57	98	244005	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	10.31	95	84096	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	20610	19.176	ug/l	99
3) Chloromethane	1.33	50	33948	18.320	ug/l	98
4) Vinyl Chloride	1.40	62	33667	19.464	ug/l	99
5) Bromomethane	1.62	94	18289	18.567	ug/l	99
6) Chloroethane	1.70	64	22324	20.199	ug/l	98
7) Trichlorofluoromethane	1.88	101	38611	19.654	ug/l	98
8) Diethyl Ether	2.11	74	18758	19.837	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	22899	18.957	ug/l	99
10) Methyl Iodide	2.41	142	22516	15.029	ug/l	99
11) Tert butyl alcohol	2.83	59	38044	100.180	ug/l	98
12) 1,1-Dichloroethene	2.28	96	22024	19.371	ug/l	100
13) Acrolein	2.20	56	20854	101.869	ug/l	99
14) Allyl chloride	2.59	41	45645	19.794	ug/l	98
15) Acrylonitrile	2.94	53	96257	100.568	ug/l	99
16) Acetone	2.32	43	88772	90.267	ug/l	100
17) Carbon Disulfide	2.48	76	70315	18.984	ug/l	99
18) Methyl Acetate	2.62	43	48080	20.388	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	84774	20.290	ug/l	98
20) Methylene Chloride	2.70	84	28760	19.382	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	24806	20.435	ug/l	99
22) Diisopropyl ether	3.58	45	105600	21.410	ug/l	99
23) Vinyl Acetate	3.53	43	436181	103.742	ug/l	100
24) 1,1-Dichloroethane	3.45	63	54982	20.239	ug/l	99
25) 2-Butanone	4.26	43	135944	97.635	ug/l	99
26) 2,2-Dichloropropane	4.23	77	32223	15.210	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	27175	19.823	ug/l	98
28) Bromochloromethane	4.55	49	29176	22.280	ug/l	97
29) Tetrahydrofuran	4.64	42	87378	103.738	ug/l	97
30) Chloroform	4.68	83	49484	19.624	ug/l	99
31) Cyclohexane	5.00	56	50814	20.235	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	40789	20.260	ug/l	98
36) 1,1-Dichloropropene	5.14	75	36822	19.207	ug/l	97
37) Ethyl Acetate	4.39	43	48402	18.651	ug/l	99
38) Carbon Tetrachloride	5.13	117	34720	19.032	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	40219	19.305	ug/l	99
40) Benzene	5.39	78	113351	19.450	ug/l	100
41) Methacrylonitrile	4.54	41	27453	20.369	ug/l	97
42) 1,2-Dichloroethane	5.41	62	43392	19.707	ug/l	100
43) Isopropyl Acetate	5.55	43	75887	20.051	ug/l	99
44) Trichloroethene	6.19	130	23743	19.137	ug/l	98
45) 1,2-Dichloropropane	6.43	63	33043	19.899	ug/l	97
46) Dibromomethane	6.56	93	19235	19.180	ug/l	98
47) Bromodichloromethane	6.76	83	38169	18.822	ug/l	98
48) Methyl methacrylate	6.62	41	37272	18.739	ug/l	99
49) 1,4-Dioxane	6.62	88	14908	363.306	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	258704	101.632	ug/l	99
52) Toluene	7.64	92	65217	19.523	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	41554	19.072	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	45467	18.979	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	27057	19.115	ug/l	95
56) Ethyl methacrylate	8.02	69	42494	18.737	ug/l	99
57) 1,3-Dichloropropane	8.24	76	51880	19.706	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	126795	94.062	ug/l	100
59) 2-Hexanone	8.36	43	194315	97.520	ug/l	99
60) Dibromochloromethane	8.48	129	26158	18.840	ug/l	99
61) 1,2-Dibromoethane	8.59	107	28714	19.497	ug/l	97
64) Tetrachloroethene	8.23	164	20783	19.024	ug/l	98
65) Chlorobenzene	9.12	112	69369	18.453	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	24372	18.823	ug/l	98
67) Ethyl Benzene	9.25	91	118504	19.171	ug/l	99
68) m/p-Xylenes	9.38	106	90749	37.207	ug/l	99
69) o-Xylene	9.78	106	42561	19.433	ug/l	98
70) Styrene	9.79	104	70124	18.337	ug/l	99
71) Bromoform	9.96	173	18849	18.825	ug/l #	99
73) Isopropylbenzene	10.17	105	116261	20.749	ug/l	99
74) N-amyl acetate	10.02	43	64178	19.787	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	47348	18.379	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	39907m	17.833	ug/l	
77) Bromobenzene	10.45	156	26784	19.561	ug/l	96
78) n-propylbenzene	10.59	91	137825	20.788	ug/l	98
79) 2-Chlorotoluene	10.66	91	85241	20.469	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	97125	20.998	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	12185m	17.425	ug/l	
82) 4-Chlorotoluene	10.77	91	96100	20.580	ug/l	100
83) tert-Butylbenzene	11.10	119	91254	19.955	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	98160	20.853	ug/l	99
85) sec-Butylbenzene	11.32	105	113754	20.378	ug/l	100
86) p-Isopropyltoluene	11.48	119	96216	18.956	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	49016	19.237	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	49833	17.944	ug/l	97
89) n-Butylbenzene	11.89	91	85135	18.357	ug/l	98
90) Hexachloroethane	12.15	117	18400	18.126	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	49778	18.391	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10151	19.314	ug/l	97

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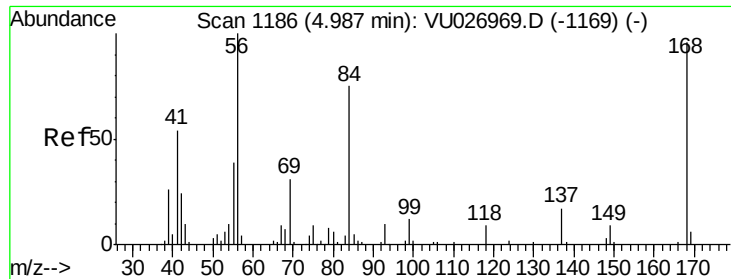
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	29868	19.149	ug/l	99
94) Hexachlorobutadiene	13.69	225	15064	18.253	ug/l	98
95) Naphthalene	13.74	128	103952	18.159	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	32834	19.630	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS02

Tot Ion:168 Resp: 82320

Ion Ratio Lower Upper

168 100

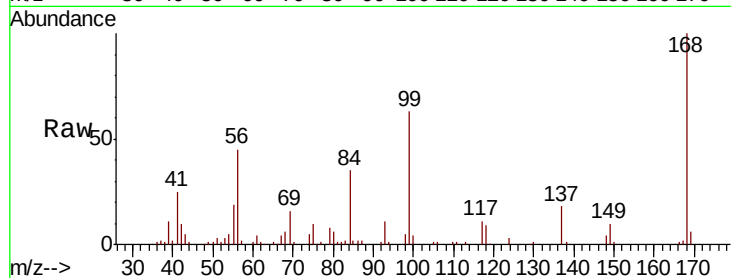
99 62.1 48.1 72.1

Manual Integrations

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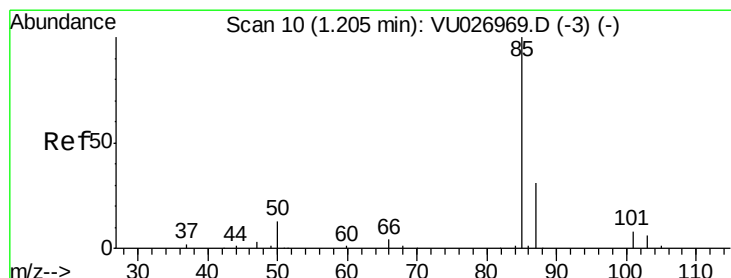
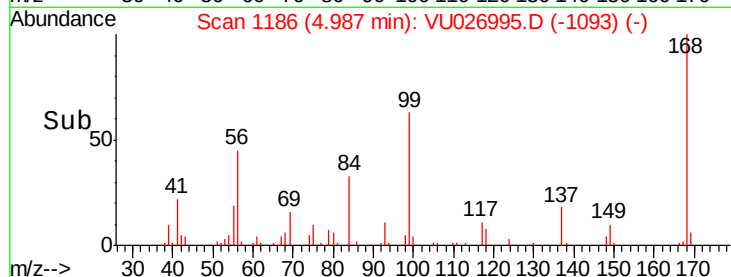
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.176 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026995.D

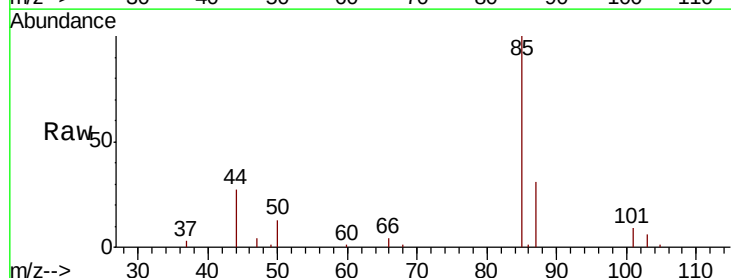
Acq: 22 Sep 2018 04:35

Tgt Ion: 85 Resp: 20610

Ion Ratio Lower Upper

85 100

87 30.6 15.6 46.7



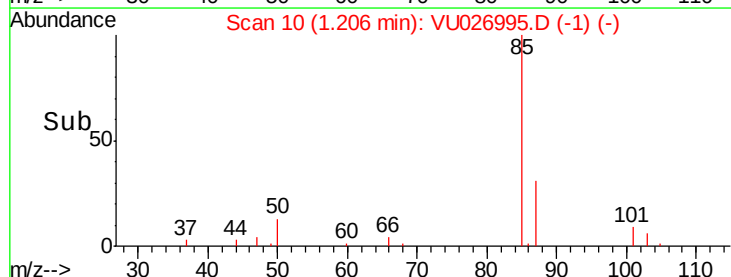
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

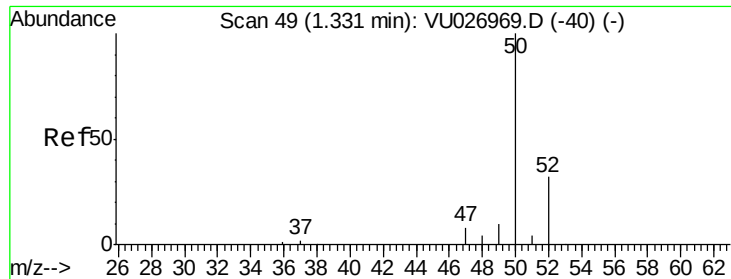
Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.320 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS02

Tot Ion: 50 Resp: 33948

Ion Ratio Lower Upper

50 100

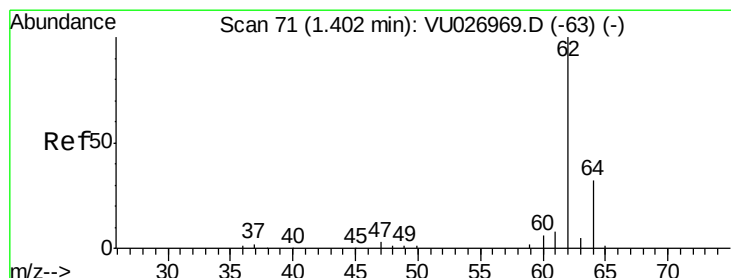
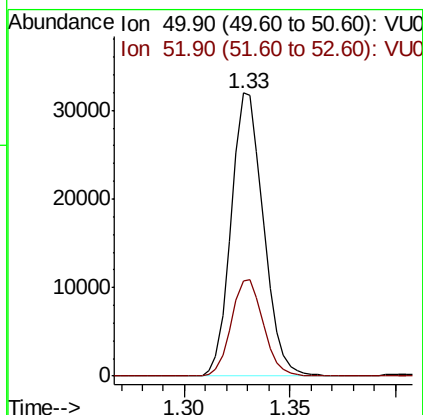
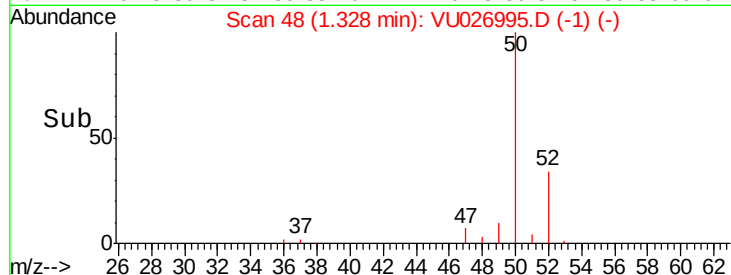
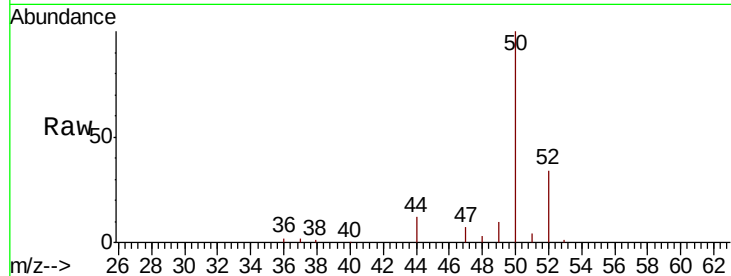
52 33.7 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.464 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026995.D

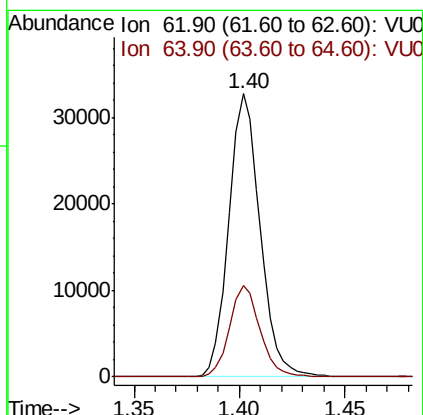
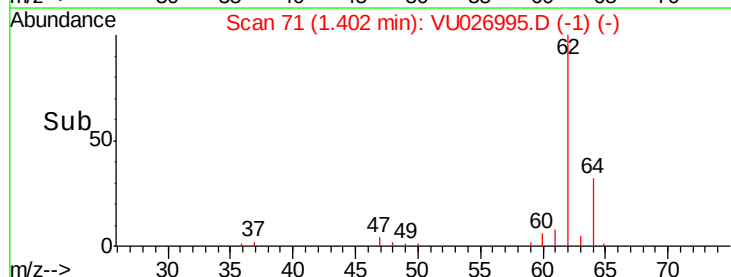
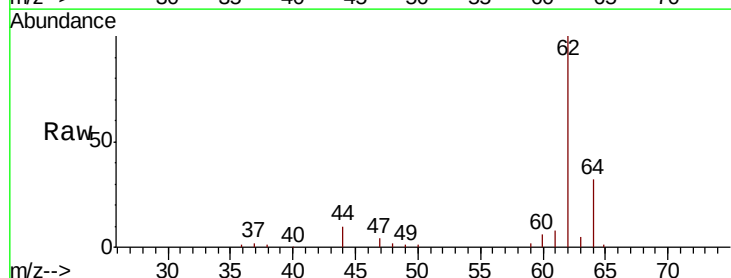
Acq: 22 Sep 2018 04:35

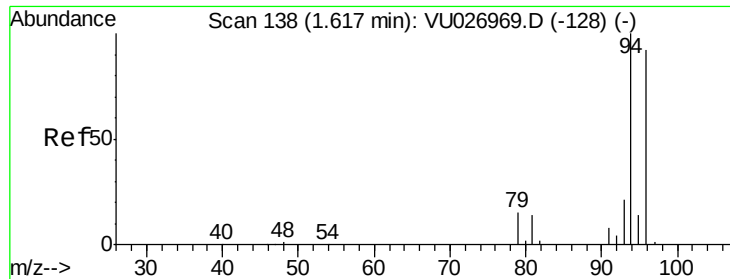
Tgt Ion: 62 Resp: 33667

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





#5

Bromomethane

Concen: 18.567 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS02

Tot Ion: 94 Resp: 18289

Ion Ratio Lower Upper

94 100

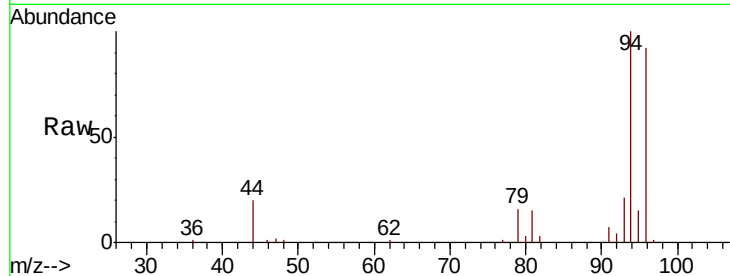
96 92.4 73.2 109.8

Manual Integrations

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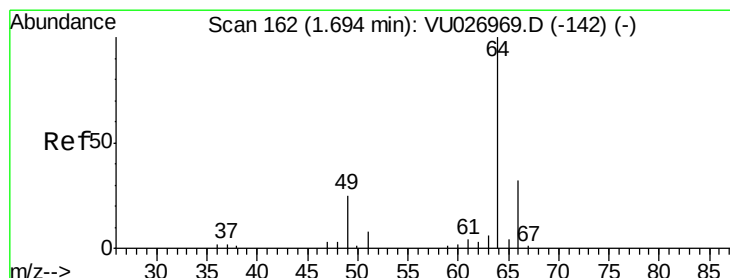
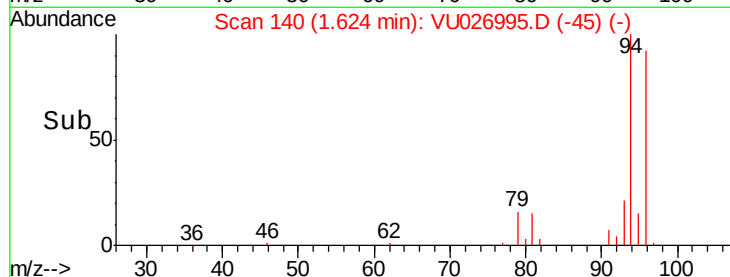
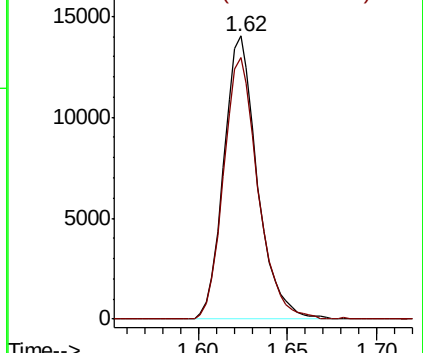
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.199 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU026995.D

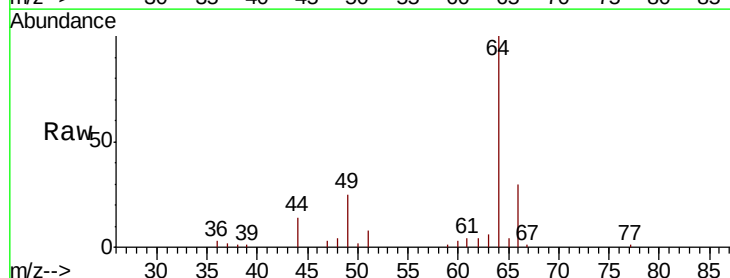
Acq: 22 Sep 2018 04:35

Tgt Ion: 64 Resp: 22324

Ion Ratio Lower Upper

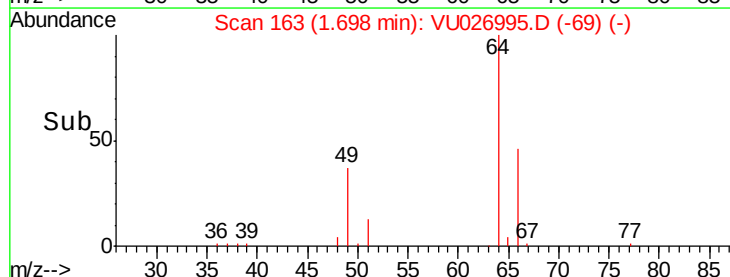
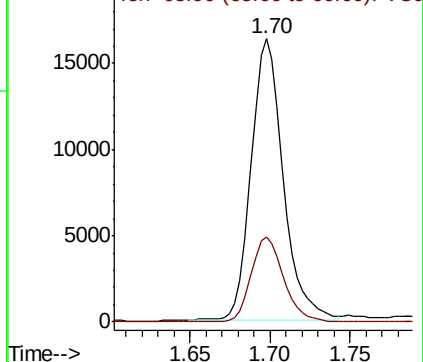
64 100

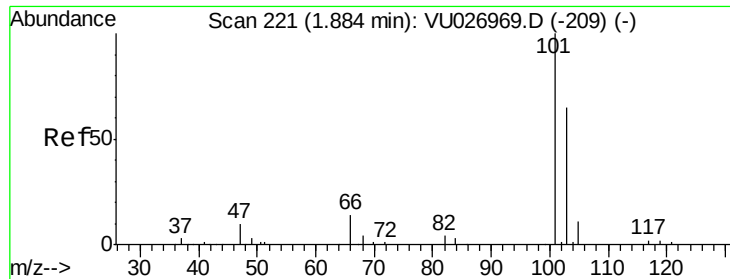
66 30.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

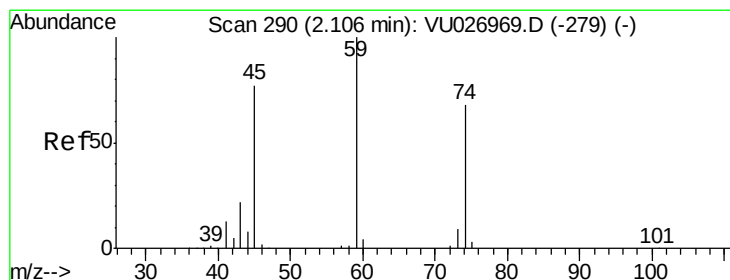
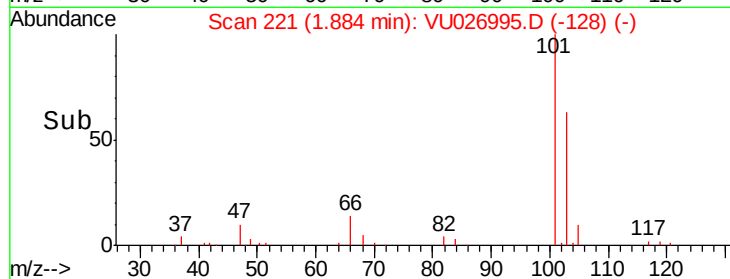
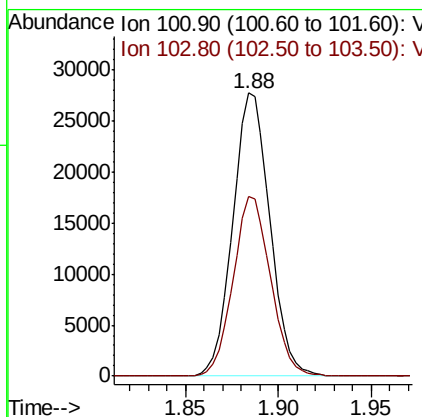
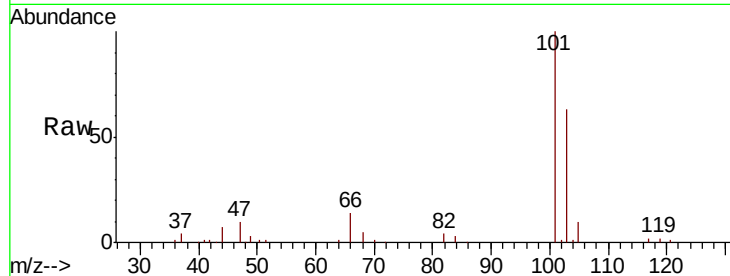
Trichlorofluoromethane
 Concen: 19.654 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Instrument :
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 VU0922WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		38611		
103	63.3	52.2	78.2		

Manual Integrations
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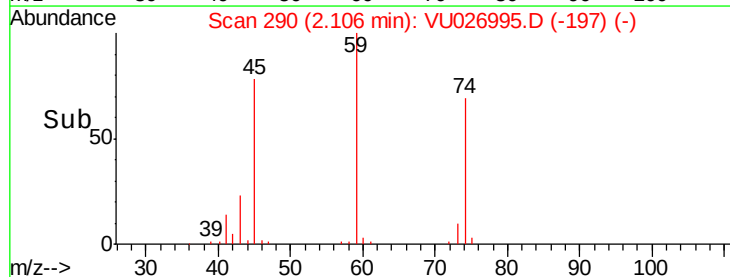
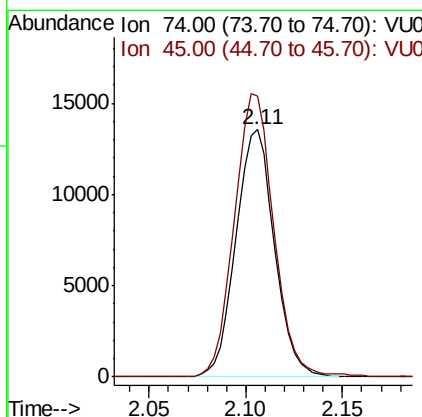
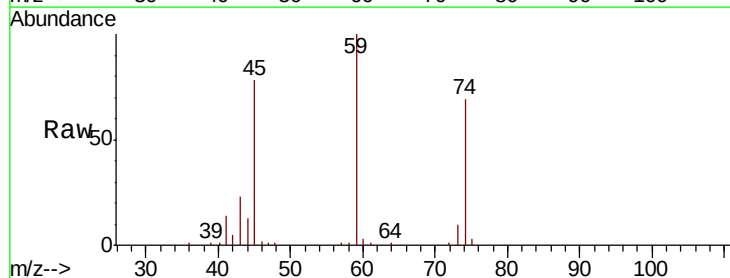
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 9/24/2018 2:14:17 PM

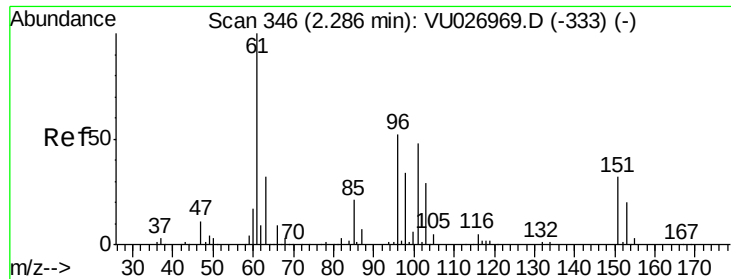


#8

Diethyl Ether
 Concen: 19.837 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		18758		
45	117.6	56.9	170.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.957 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Instrument :

MSVOA_U

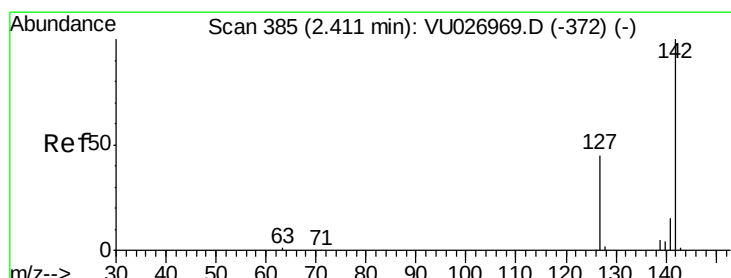
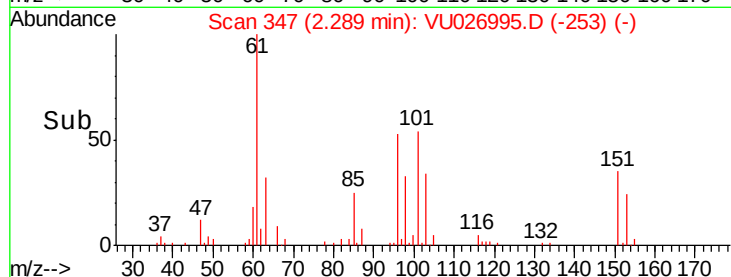
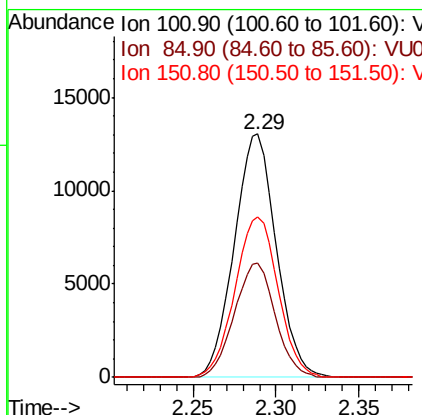
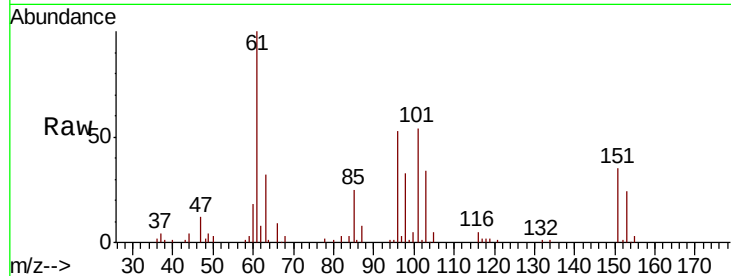
ClientSampleId :

VU0922WBS02

Tot Ion:	101	Resp:	22899
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.2	54.2
151	67.7	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 15.029 ug/l

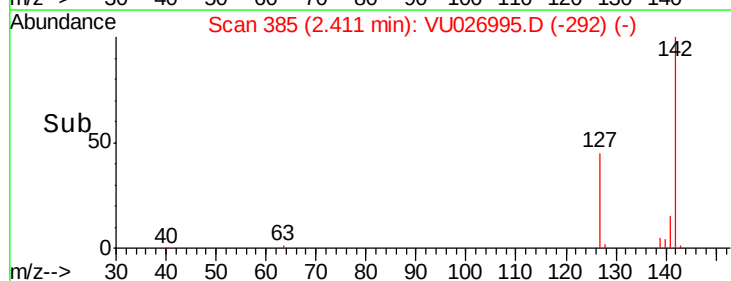
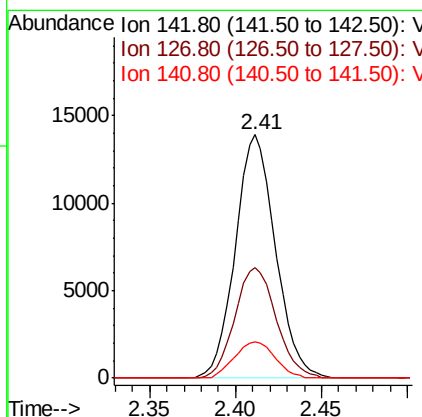
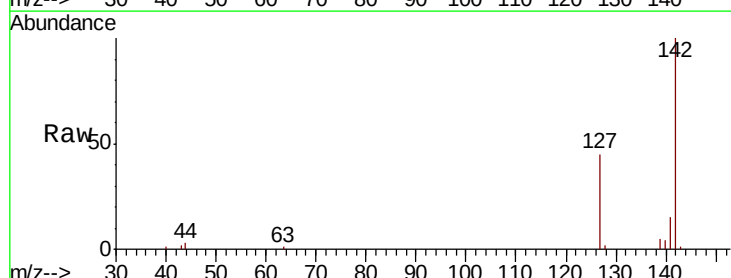
RT: 2.41 min Scan# 385

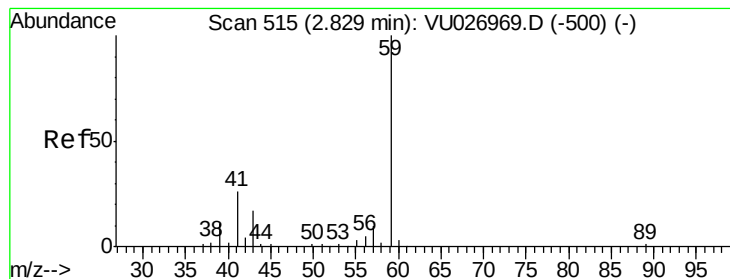
Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Tgt Ion:	142	Resp:	22516
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.7	55.1
141	15.0	11.8	17.6





#11

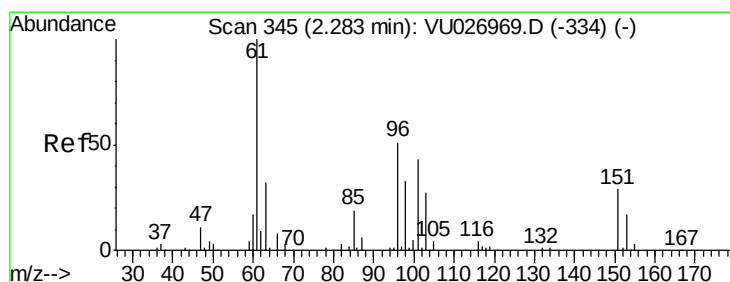
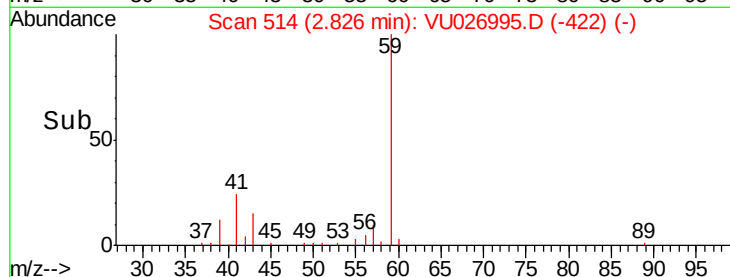
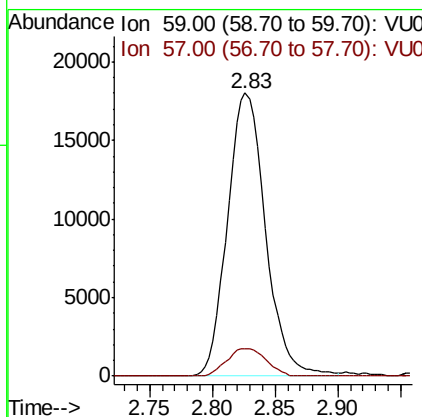
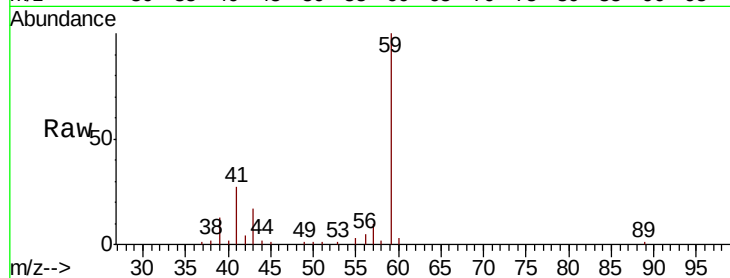
Tert butyl alcohol
 Concen: 100.180 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

Manual Integrations
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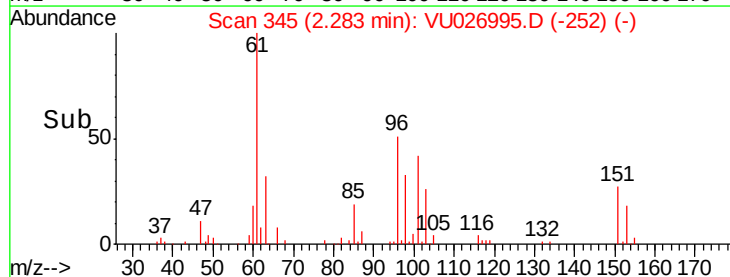
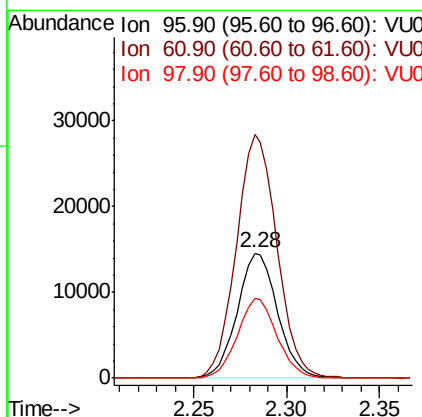
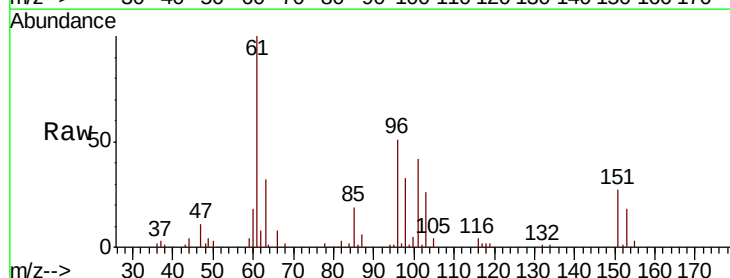
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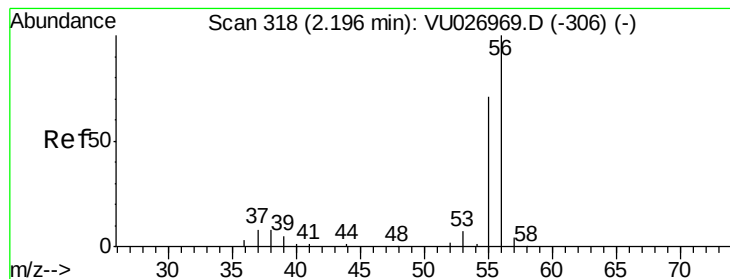


#12

1,1-Dichloroethene
 Concen: 19.371 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.9	156.1	234.1
98	63.9	51.4	77.0





#13

Acrolein

Concen: 101.869 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS02

Tot Ion: 56 Resp: 20854

Ion Ratio Lower Upper

56 100

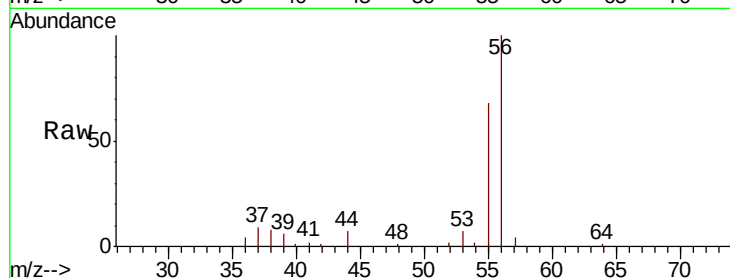
55 70.2 57.1 85.7

Manual Integrations

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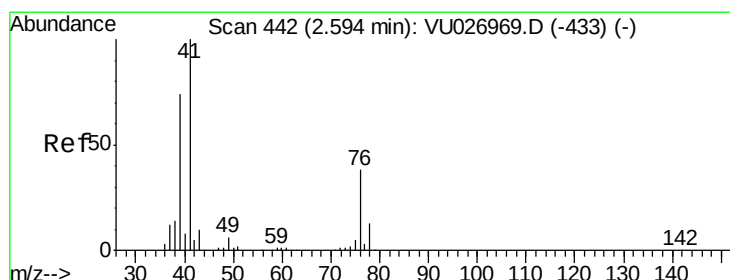
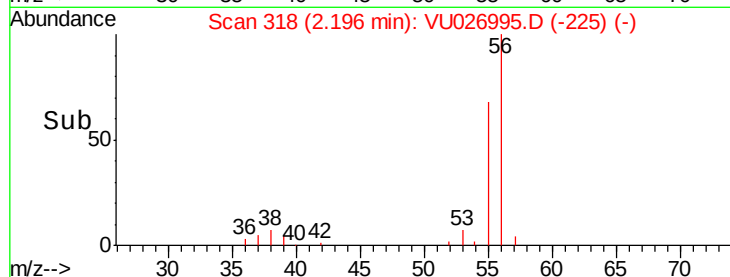
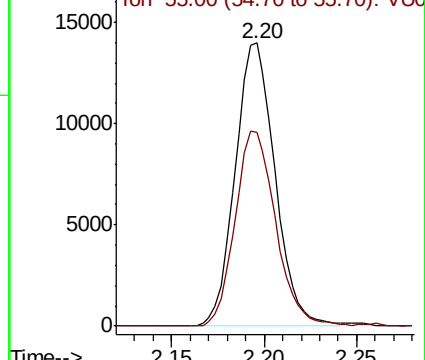
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 19.794 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

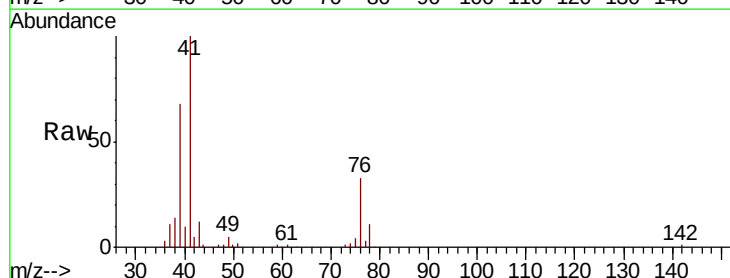
Tgt Ion: 41 Resp: 45645

Ion Ratio Lower Upper

41 100

39 71.0 55.7 83.5

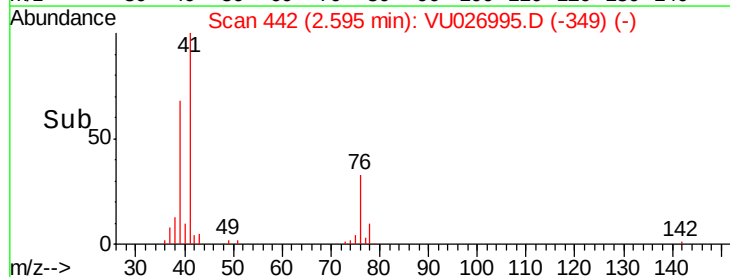
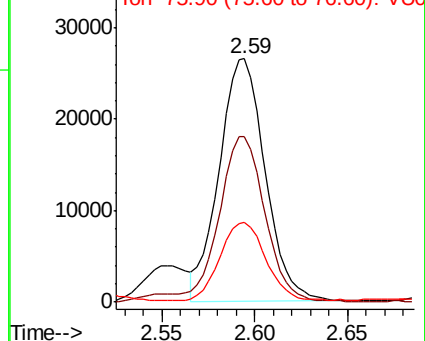
76 32.2 26.5 39.7

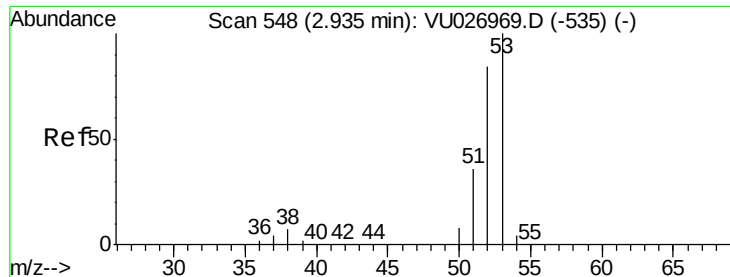


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 100.568 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Instrument :

MSVOA_U

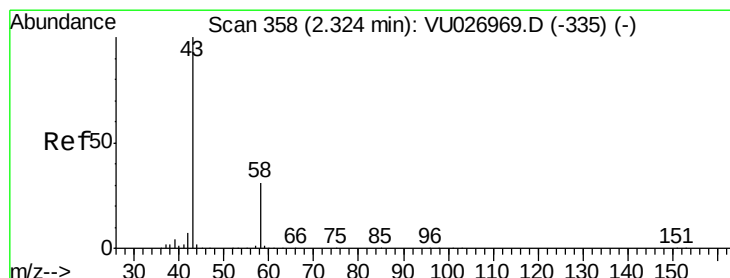
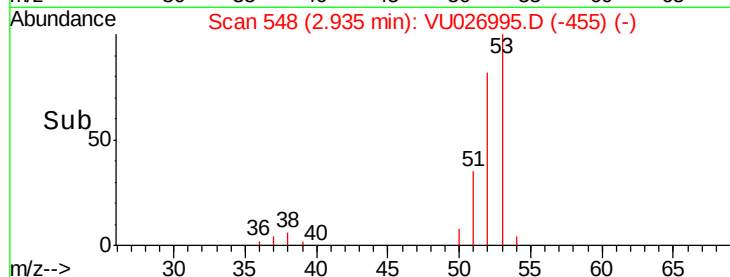
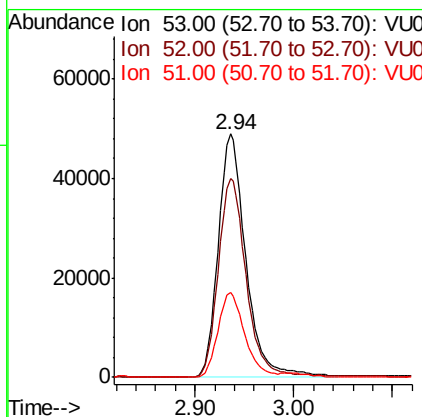
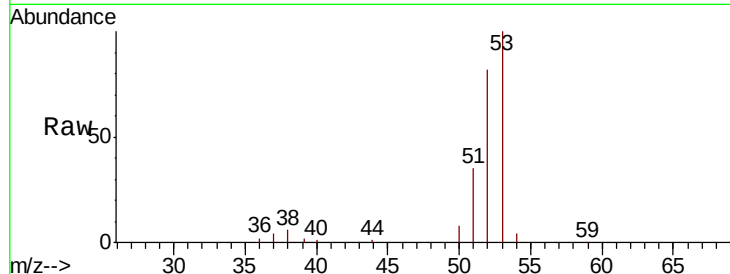
ClientSampleId :

VU0922WBS02

Tot Ion:	53	Resp:	96257
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.7	98.5
51	33.8	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 90.267 ug/l

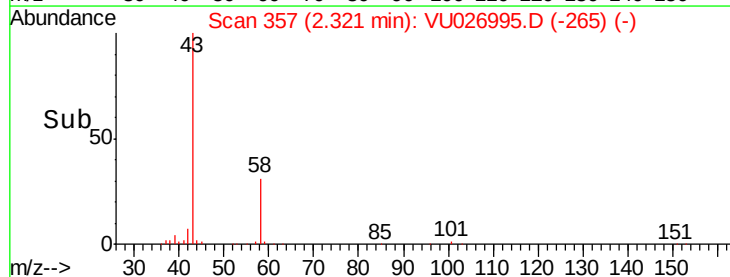
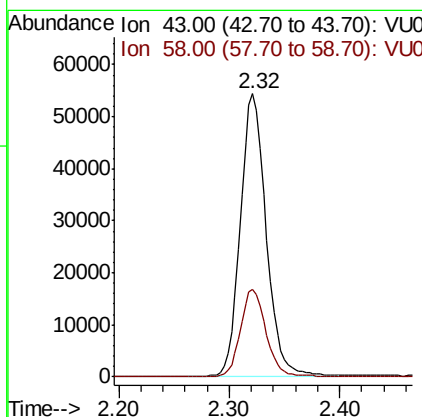
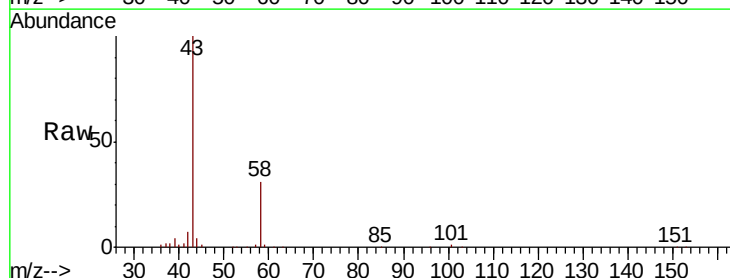
RT: 2.32 min Scan# 357

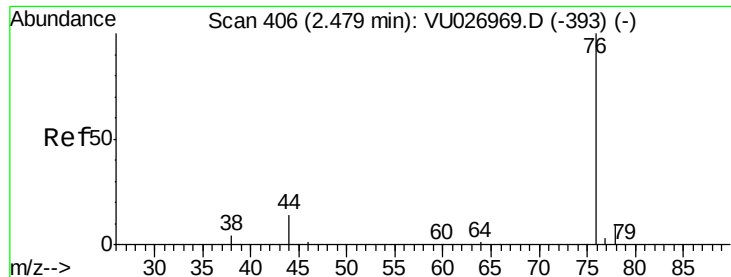
Delta R.T. -0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Tgt Ion:	43	Resp:	88772
Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.6	36.8





#17

Carbon Disulfide

Concen: 18.984 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Tot Ion: 76 Resp: 70315

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

Instrument :

MSVOA_U

ClientSampleId :

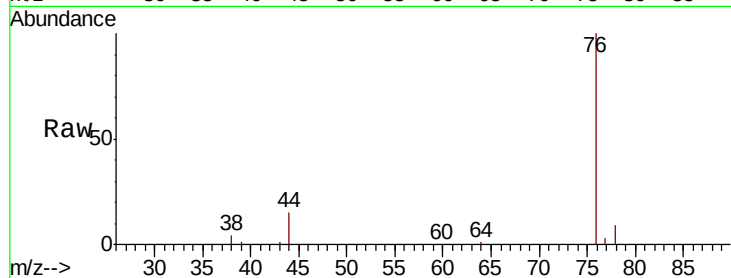
VU0922WBS02

Manual Integrations

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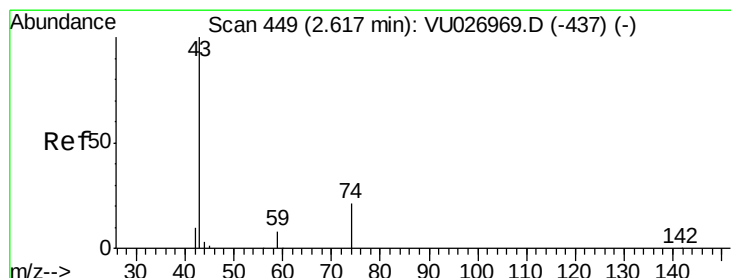
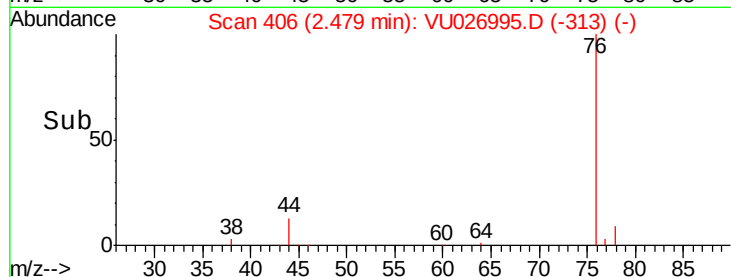
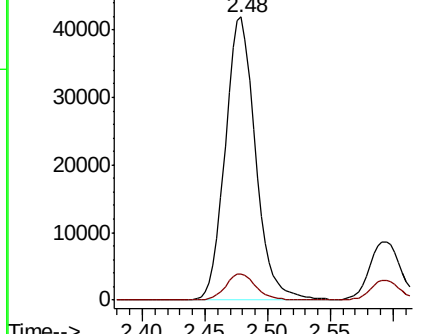
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 20.388 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU026995.D

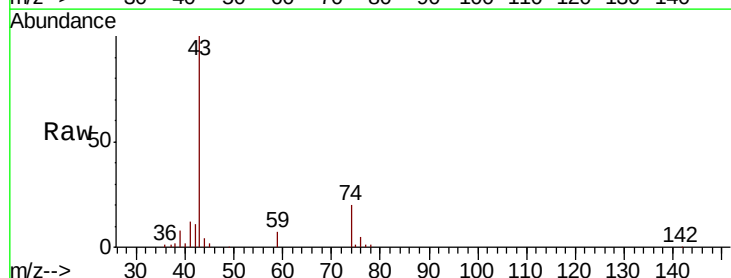
Acq: 22 Sep 2018 04:35

Tgt Ion: 43 Resp: 48080

Ion Ratio Lower Upper

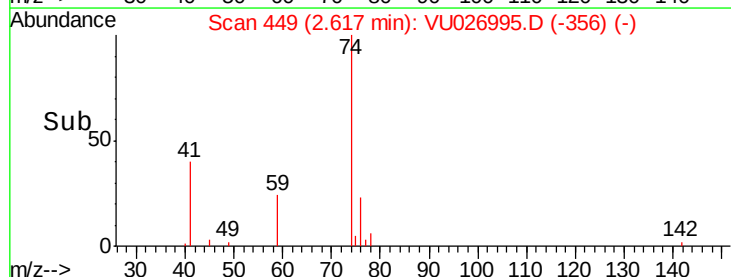
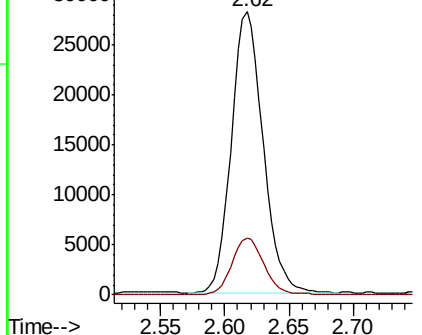
43 100

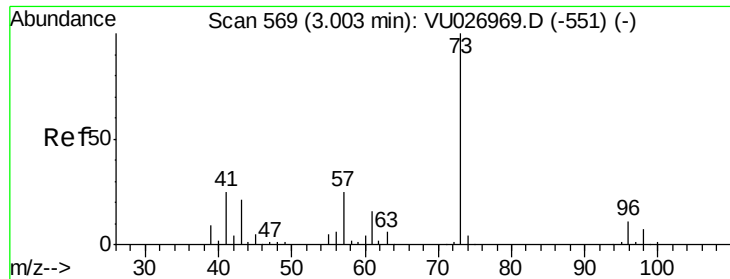
74 20.7 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





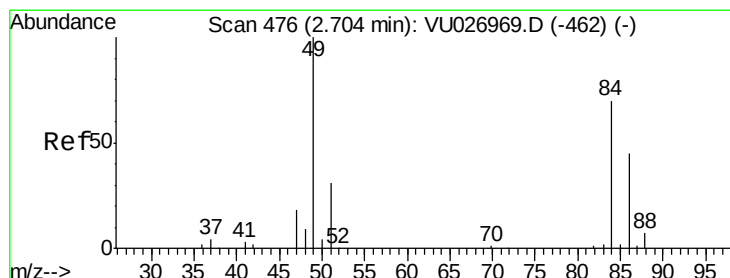
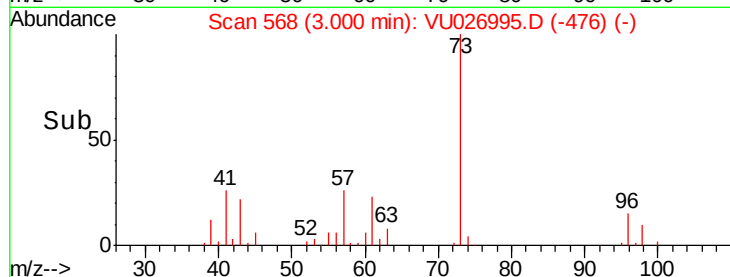
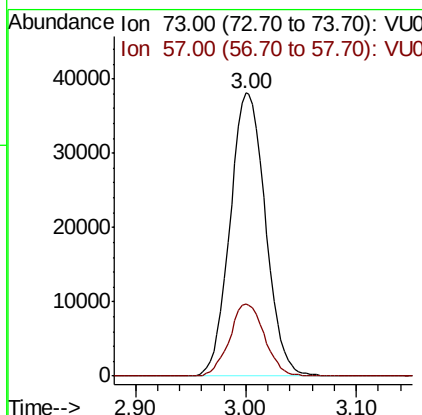
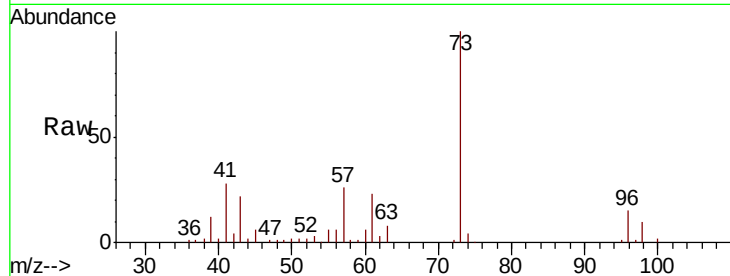
#19
Methyl tert-butyl Ether
Concen: 20.290 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS02

Tot Ion: 73 Resp: 84774
Ion Ratio Lower Upper
73 100
57 25.5 19.8 29.6

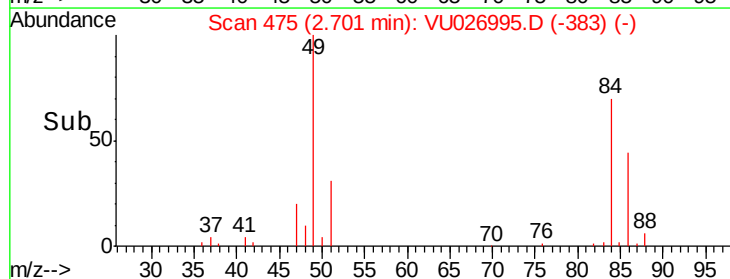
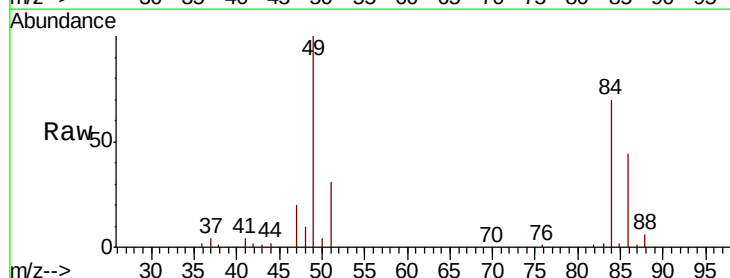
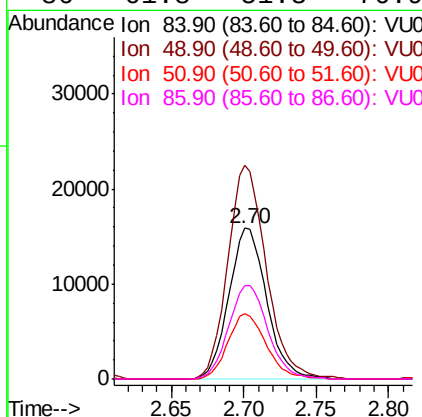
Manual Integrations
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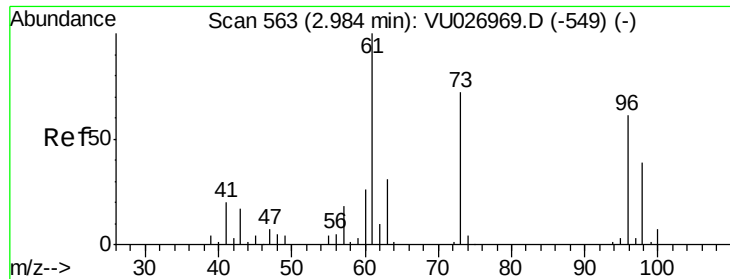
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#20
Methylene Chloride
Concen: 19.382 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Tgt Ion: 84 Resp: 28760
Ion Ratio Lower Upper
84 100
49 141.9 114.9 172.3
51 43.4 35.8 53.8
86 61.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 20.435 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS02

Tot Ion: 96 Resp: 24806

Ion Ratio Lower Upper

96 100

61 163.0 131.8 197.6

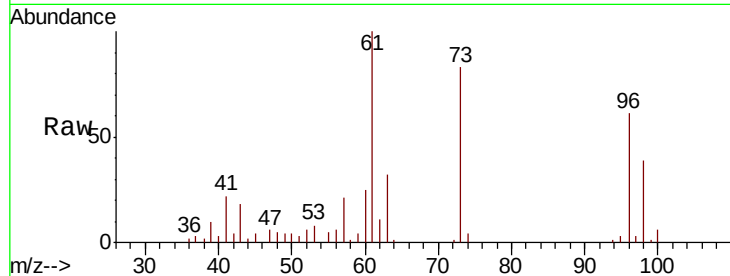
98 63.1 50.9 76.3

Manual Integrations

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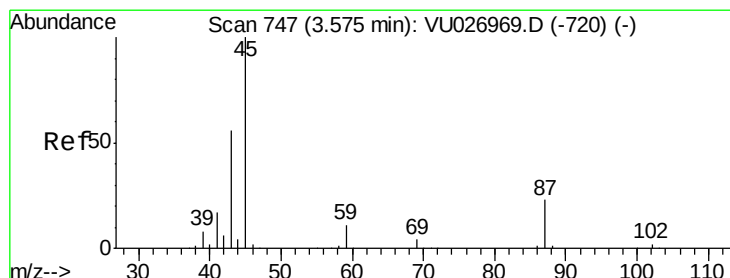
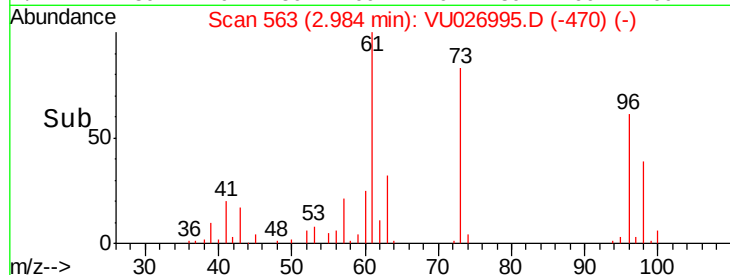
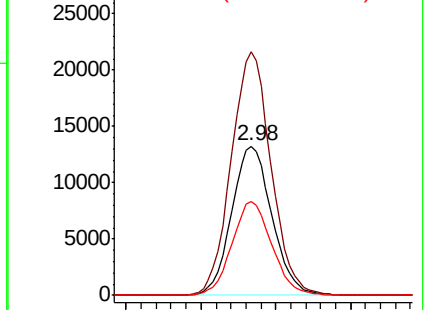


Abundance

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



#22

Diisopropyl ether

Concen: 21.410 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Tgt Ion: 45 Resp: 105600

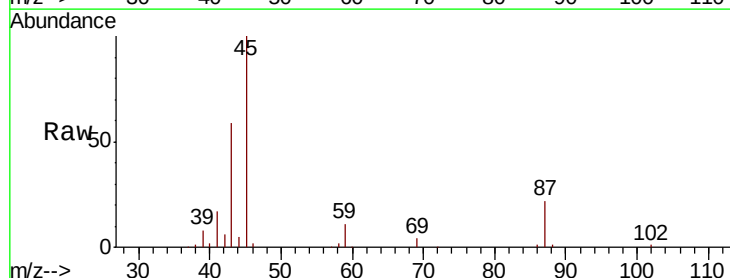
Ion Ratio Lower Upper

45 100

43 57.0 45.8 68.6

87 22.0 18.6 28.0

59 11.3 9.0 13.4



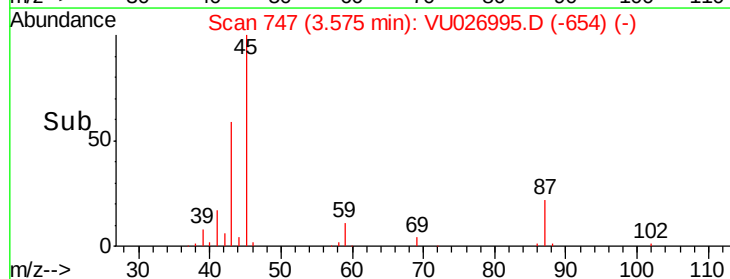
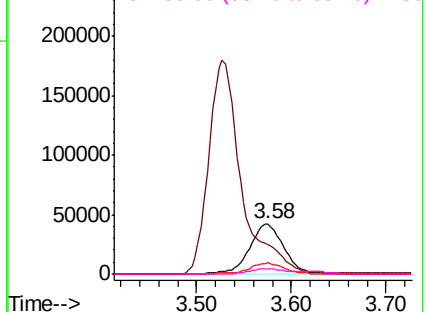
Abundance

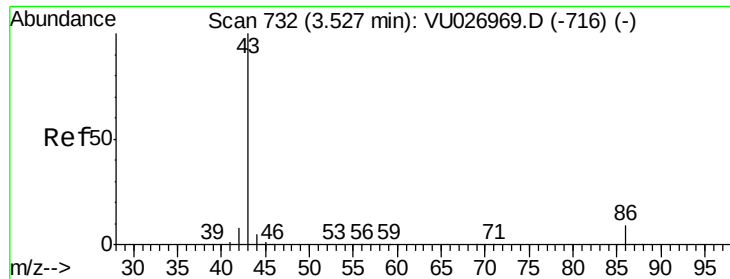
Ion 45.00 (44.70 to 45.70): VU0

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: 103.742 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Tot Ion: 43 Resp: 436181

Ion Ratio Lower Upper

43 100

86 8.8 7.2 10.8

Instrument :

MSVOA_U

ClientSampleId :

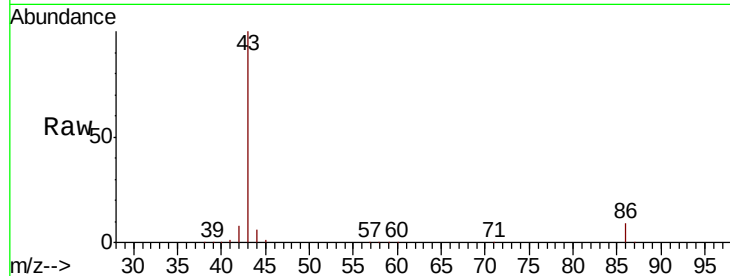
VU0922WBS02

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

200000

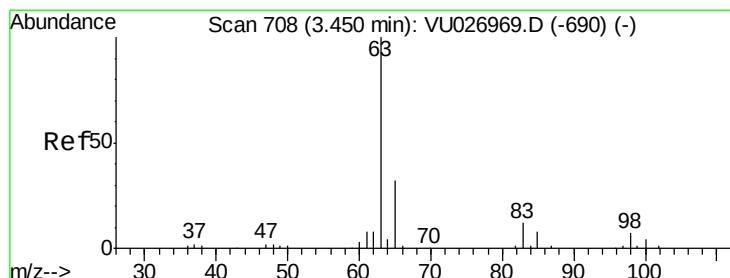
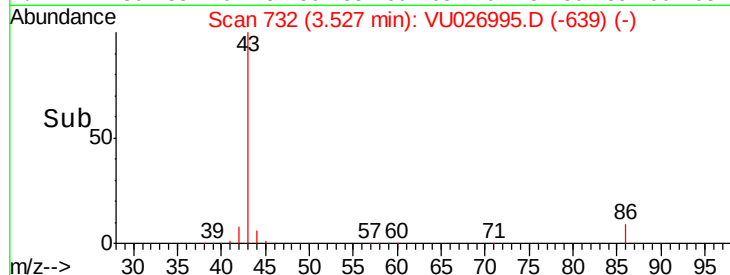
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.239 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

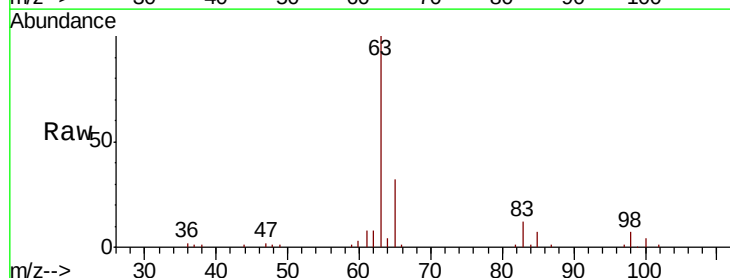
Tgt Ion: 63 Resp: 54982

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

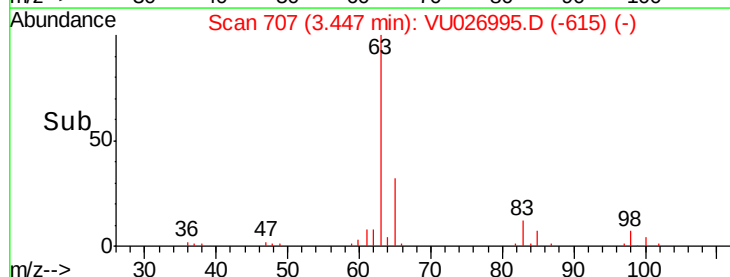
30000

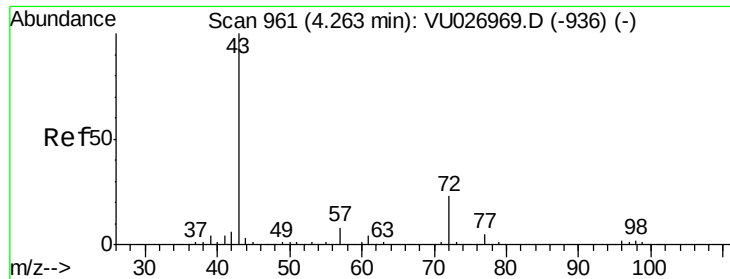
20000

10000

0

Time-->





#25

2-Butanone

Concen: 97.635 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS02

Tot Ion: 43 Resp: 135944

Ion Ratio Lower Upper

43 100

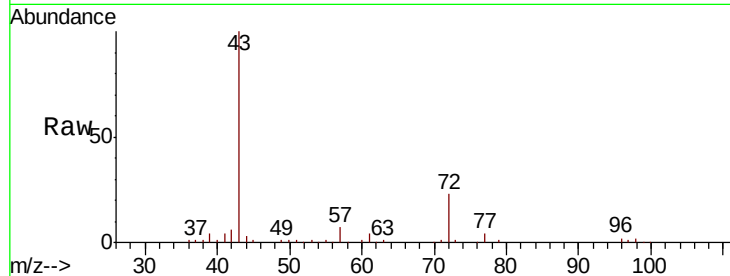
72 22.6 18.4 27.6

Manual Integrations

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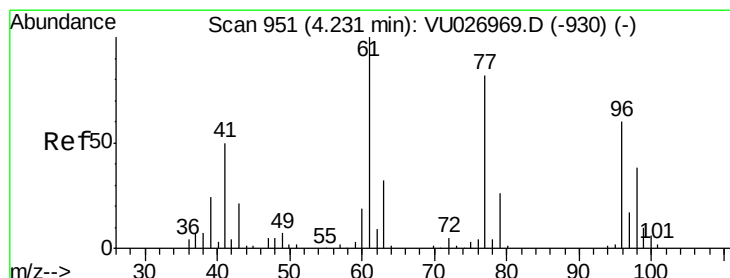
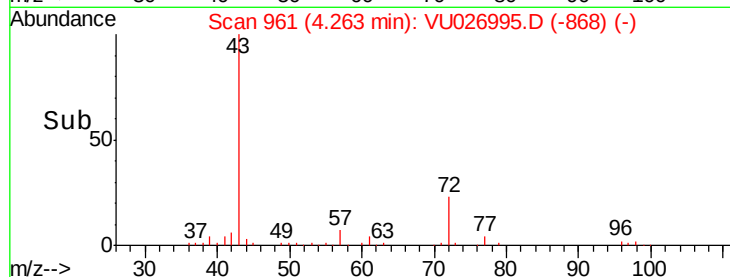
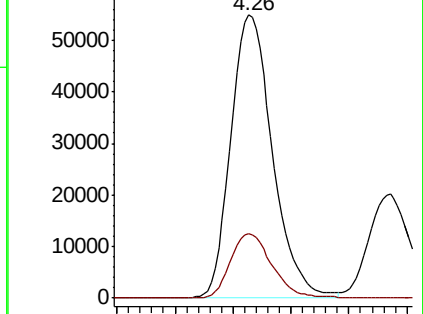
MMDadoda

9/24/2018 2:14:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 15.210 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU026995.D

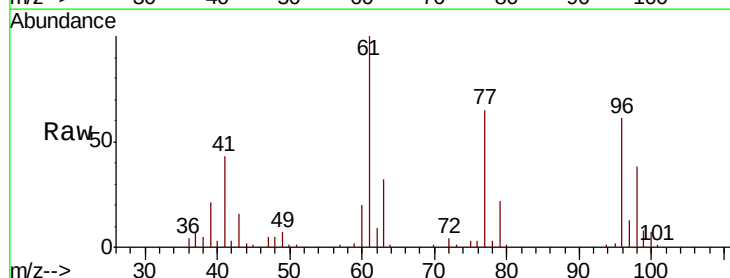
Acq: 22 Sep 2018 04:35

Tgt Ion: 77 Resp: 32223

Ion Ratio Lower Upper

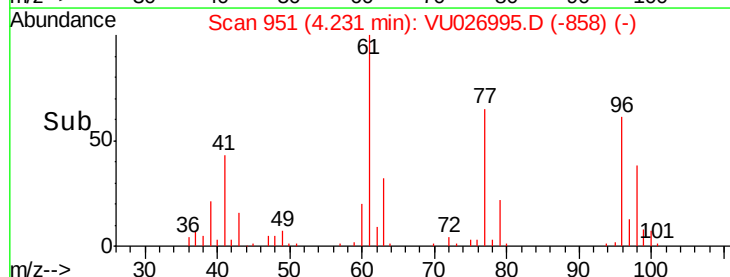
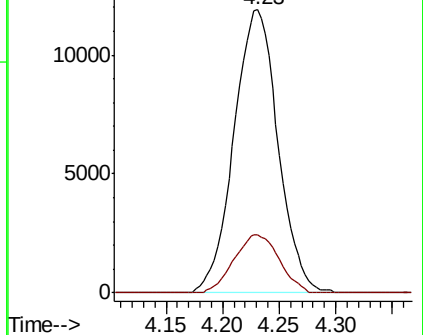
77 100

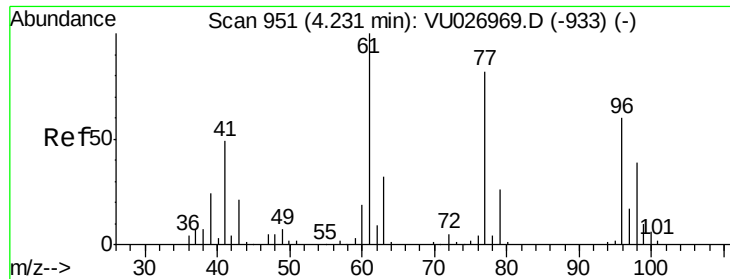
97 21.0 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

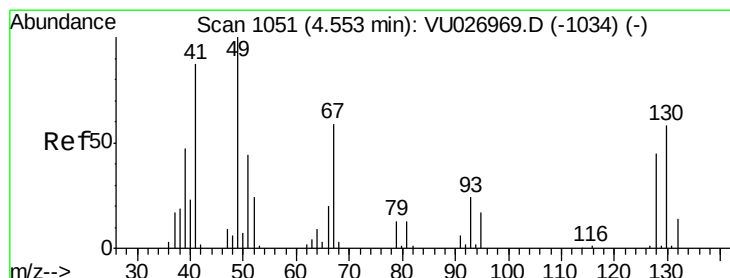
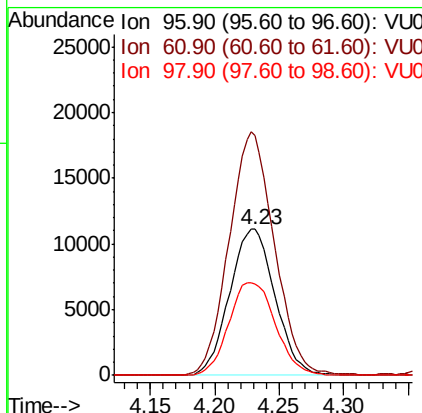
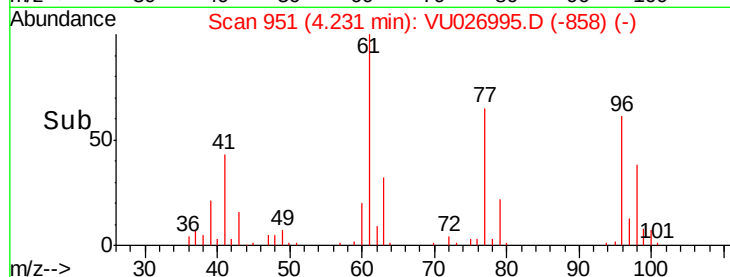
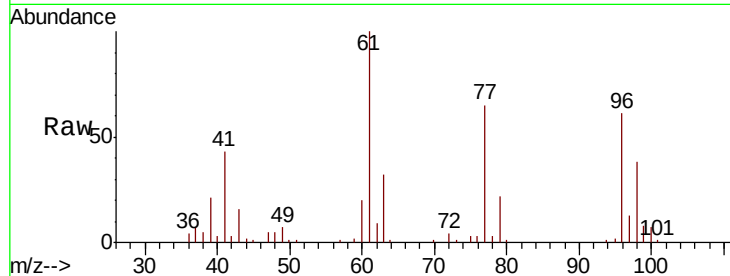
cis-1,2-Dichloroethene
Concen: 19.823 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.3	0.0	337.2
98	65.4	0.0	127.6

Manual Integrations
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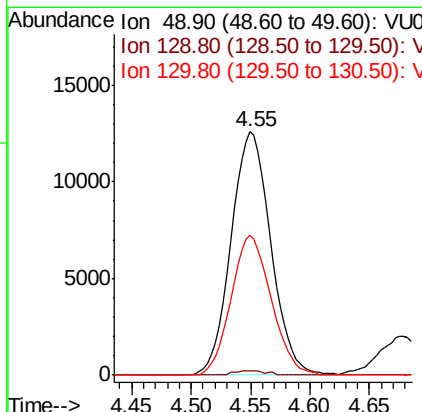
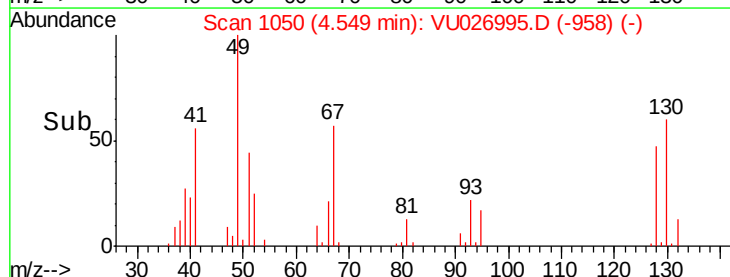
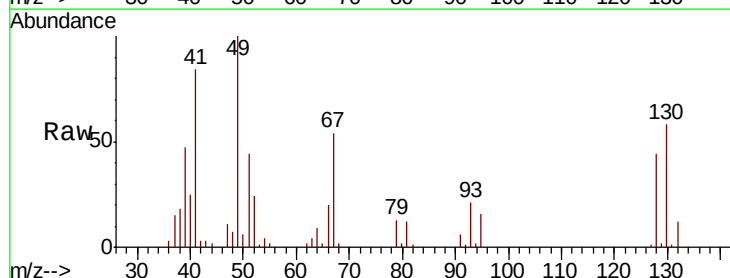
MMDadoda
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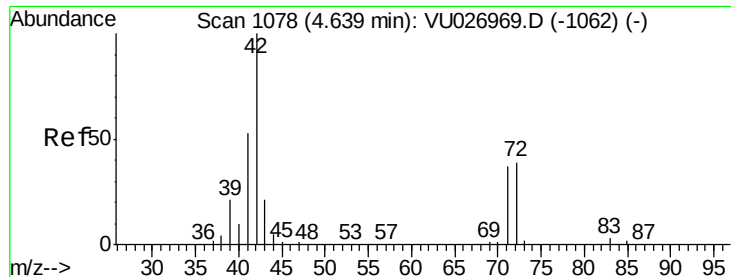


#28

Bromochloromethane
Concen: 22.280 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	57.8	47.8	71.8





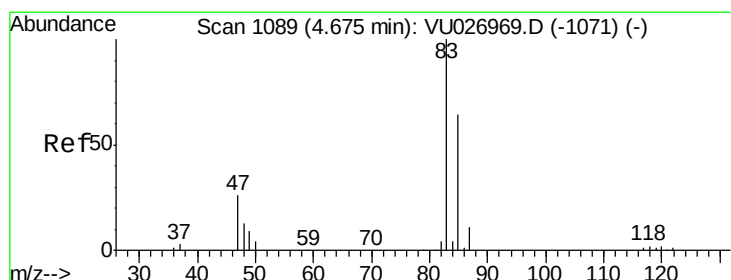
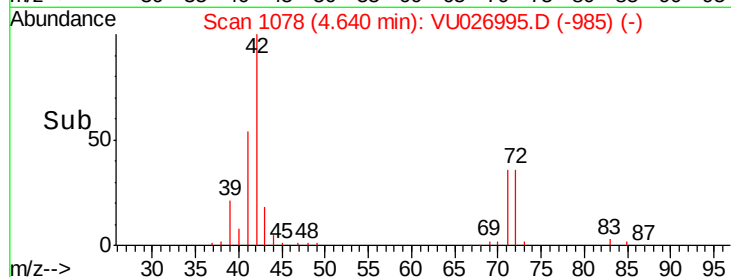
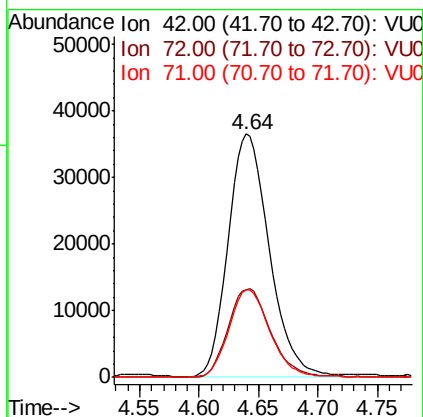
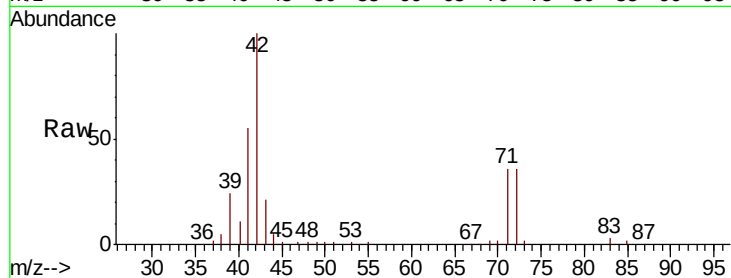
#29
Tetrahydrofuran
Concen: 103.738 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	31.7	47.5
71	35.9	29.6	44.4

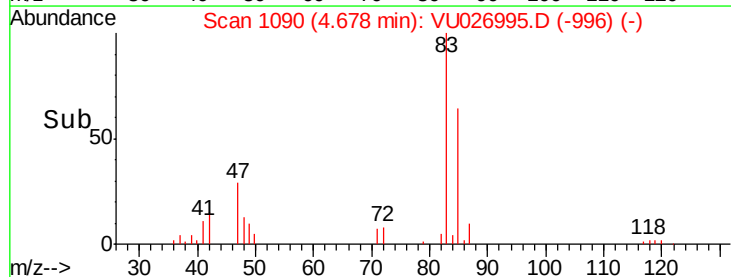
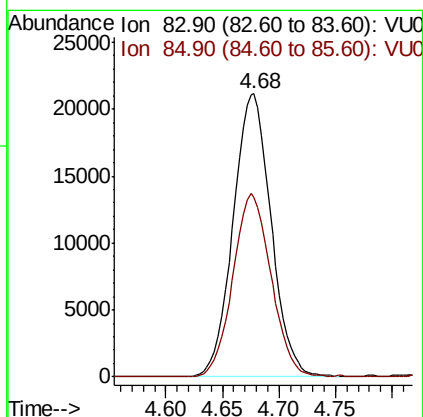
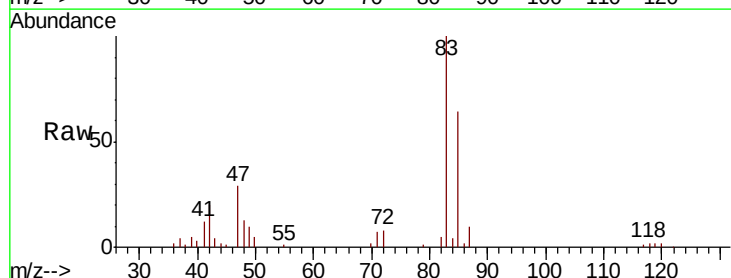
Manual Integrations
APPROVED

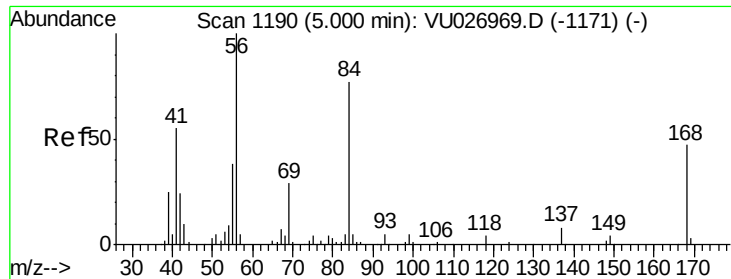
MMDadoda
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#30
Chloroform
Concen: 19.624 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3





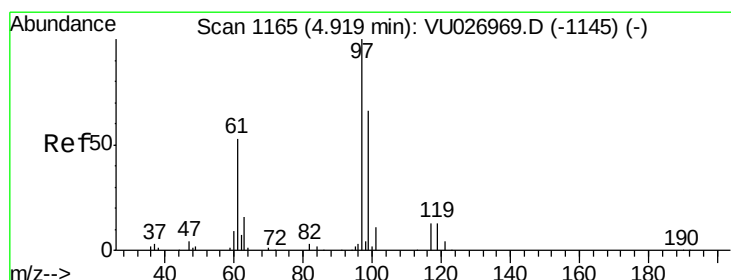
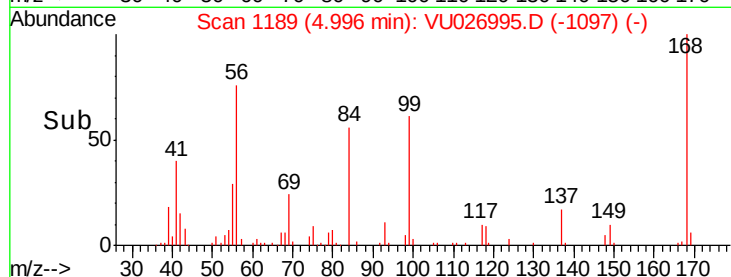
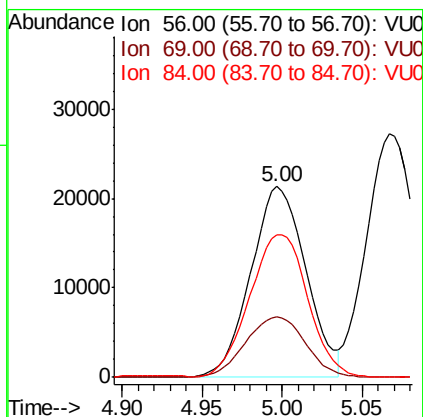
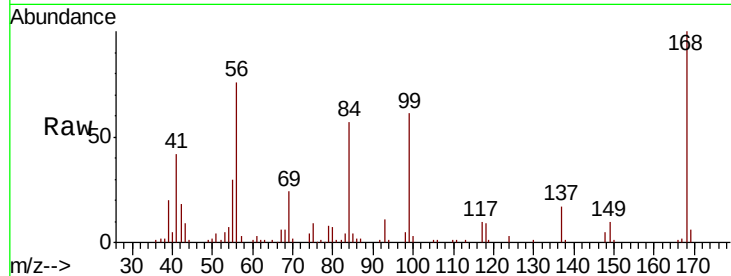
#31
Cyclohexane
Concen: 20.235 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	23.0	34.4
84	74.2	61.4	92.2

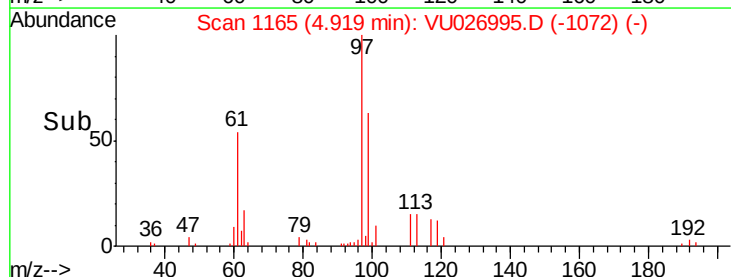
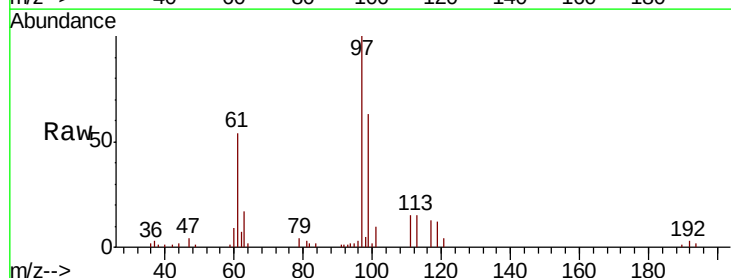
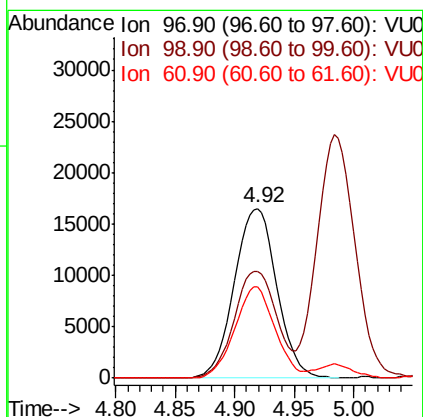
Manual Integrations
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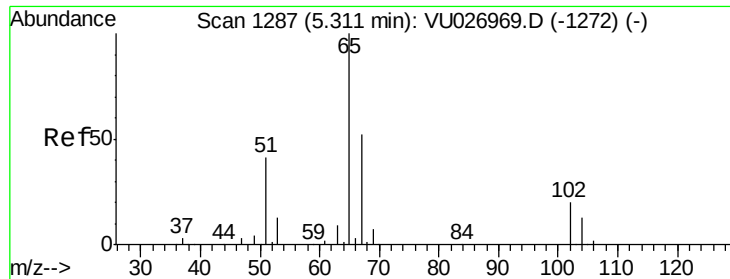
MMDadoda
9/24/2018 2:14:17 PM



#32
1,1,1-Trichloroethane
Concen: 20.260 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.8	77.6
61	51.0	41.1	61.7





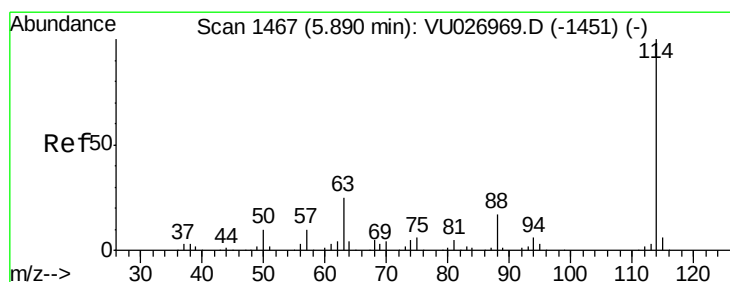
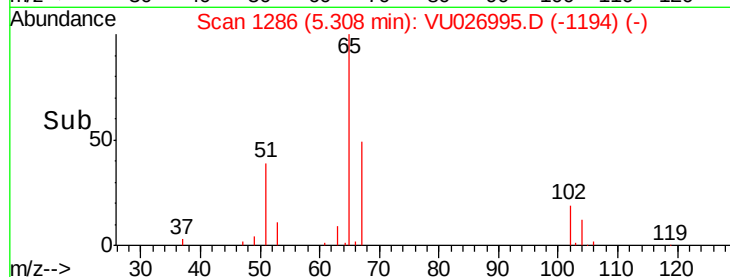
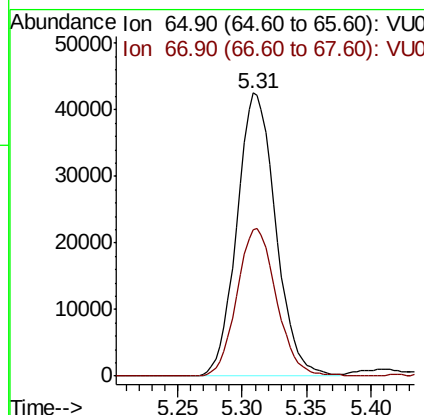
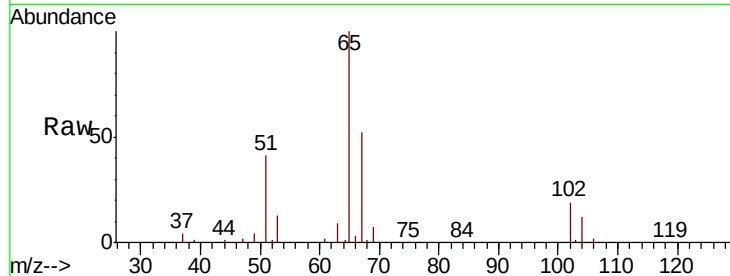
#33
 1,2-Dichloroethane-d4
 Concen: 53.743 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	105.6

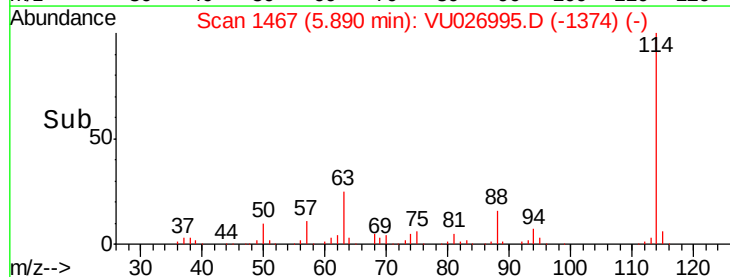
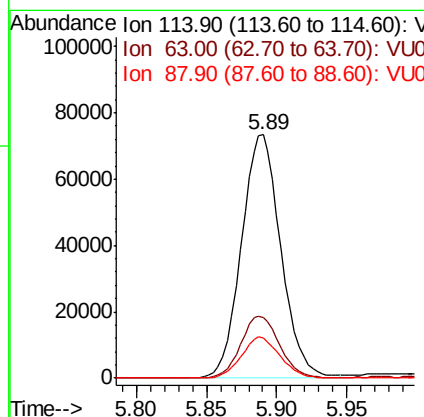
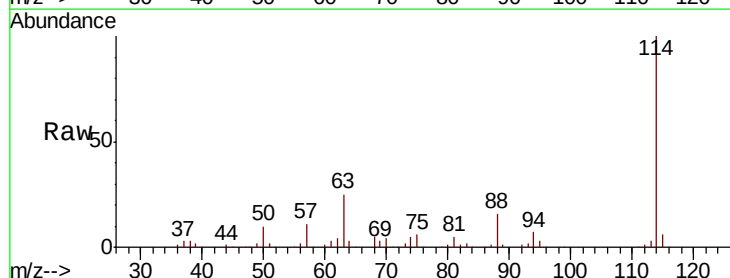
Manual Integrations
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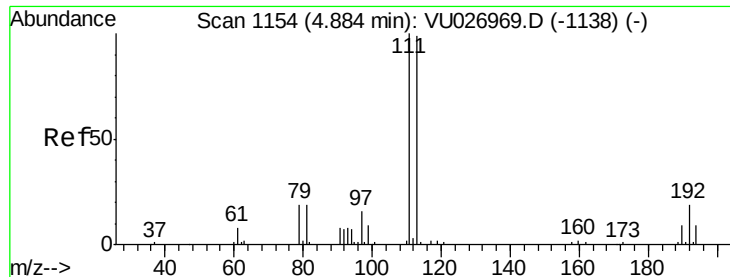
MMDadoda
 9/24/2018 2:14:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	49.2
88	16.4	0.0	33.8





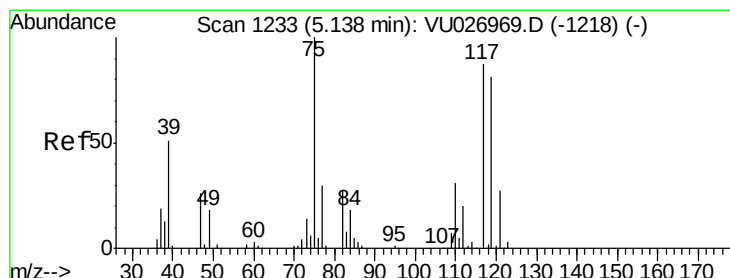
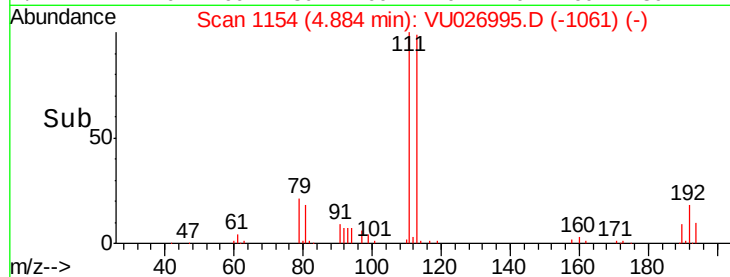
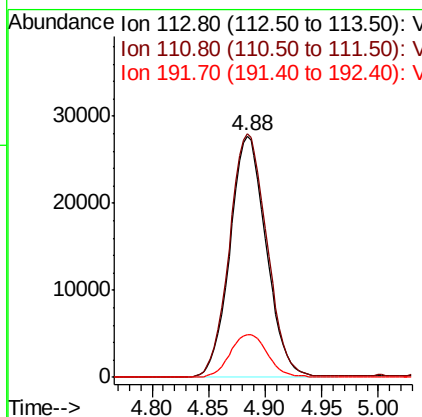
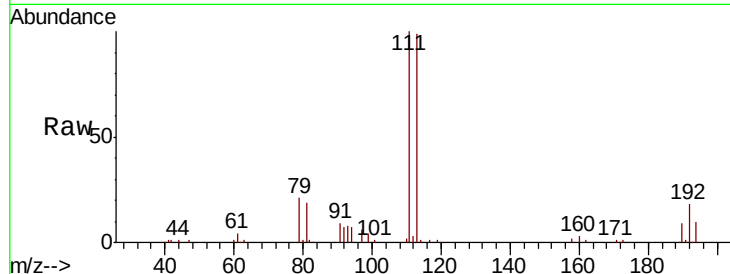
#35
 Dibromofluoromethane
 Concen: 49.879 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.2	123.4
192	18.4	15.2	22.8

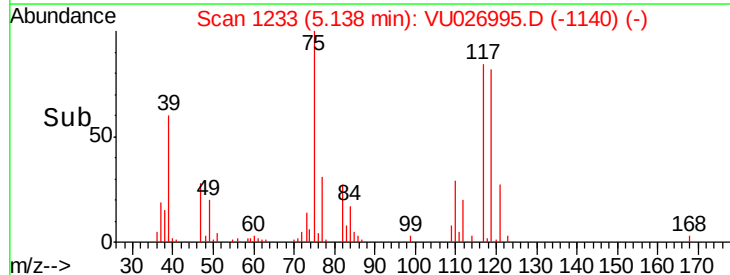
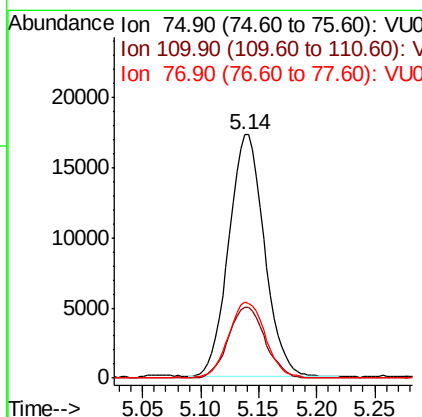
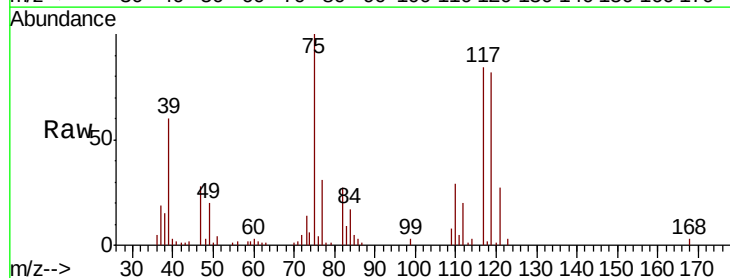
Manual Integrations
 APPROVED

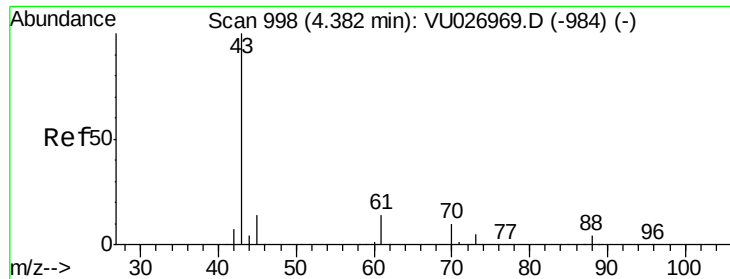
MMDadoda
 9/24/2018 2:14:17 PM



#36
 1,1-Dichloropropene
 Concen: 19.207 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.2	16.1	48.2
77	32.4	24.6	36.8





#37

Ethyl Acetate

Concen: 18.651 ug/l

RT: 4.39 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Instrument :

MSVOA_U

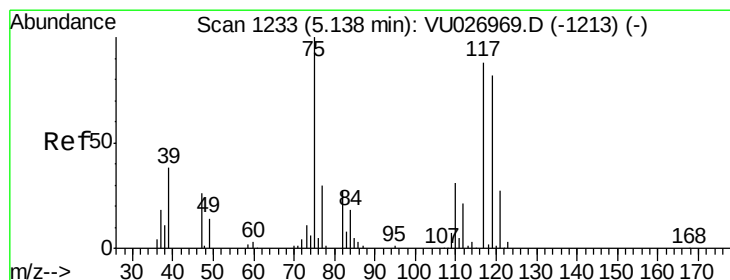
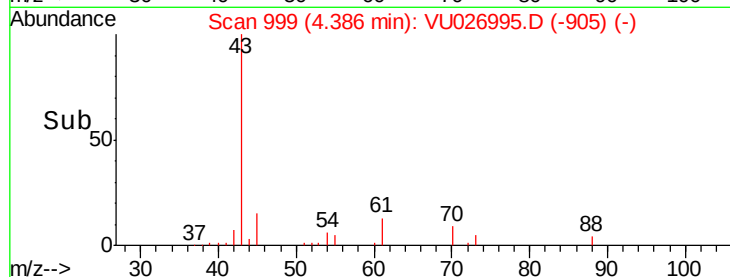
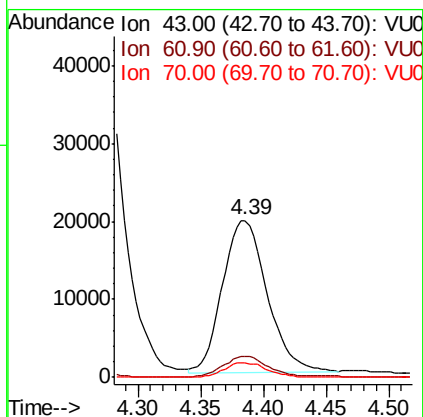
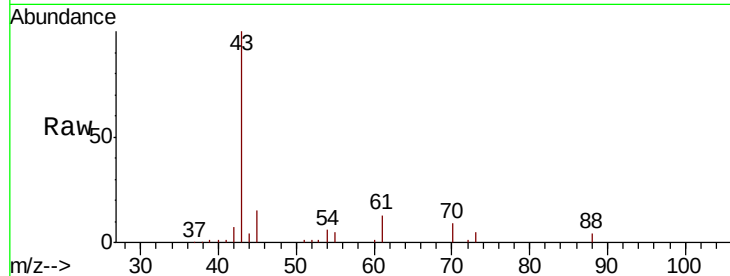
ClientSampleId :

VU0922WBS02

Tot Ion:	43	Resp:	48402
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.5	15.7
70	9.2	7.4	11.0

Manual Integrations
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9/24/2018 2:14:17 PM



#38

Carbon Tetrachloride

Concen: 19.032 ug/l

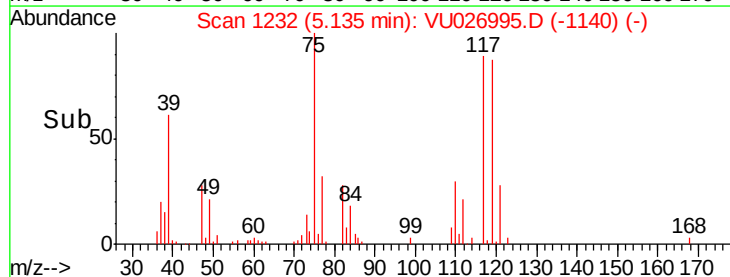
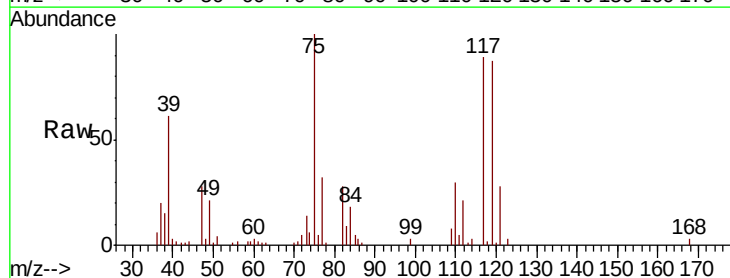
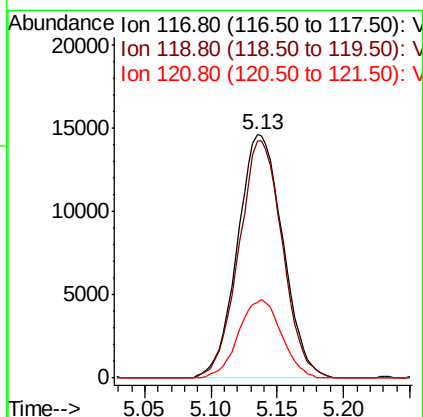
RT: 5.13 min Scan# 1232

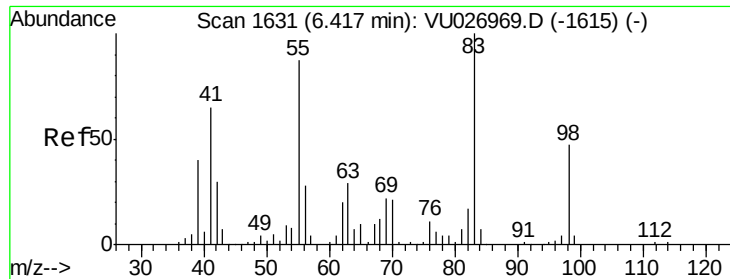
Delta R.T. -0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Tgt Ion:	117	Resp:	34720
Ion	Ratio	Lower	Upper
117	100		
119	97.4	74.4	111.6
121	31.4	24.2	36.4





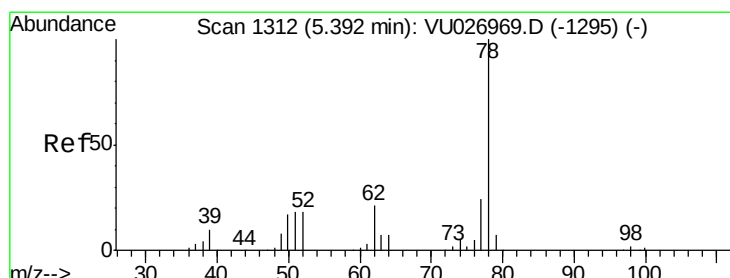
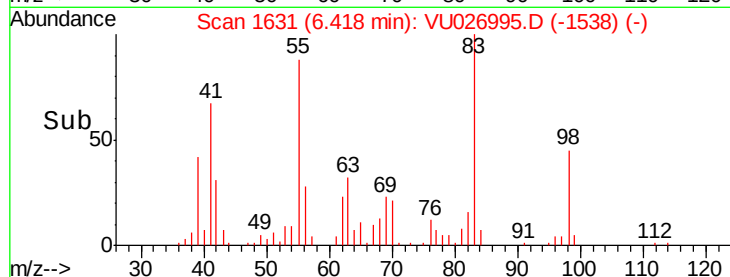
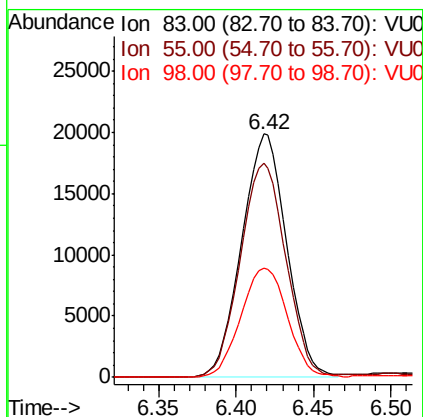
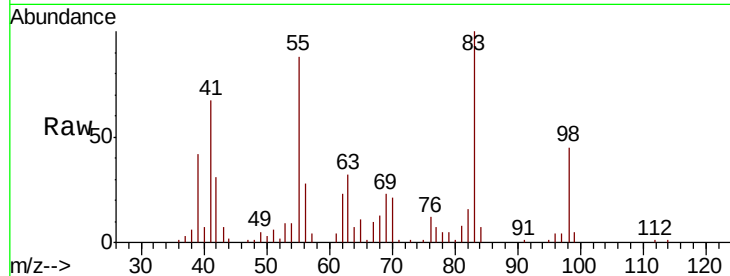
#39
Methylvlcyclohexane
Concen: 19.305 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.9	69.9	104.9
98	45.0	37.5	56.3

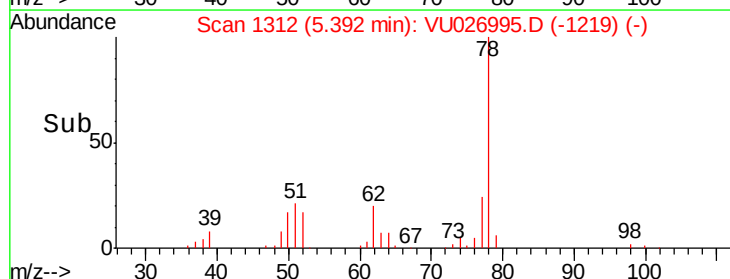
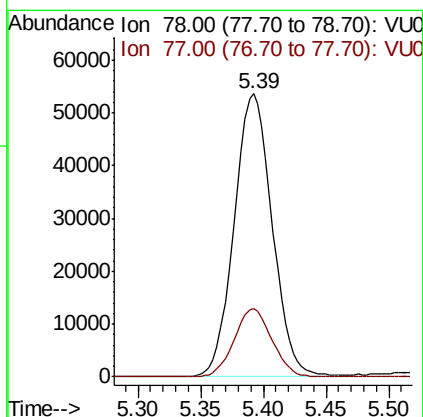
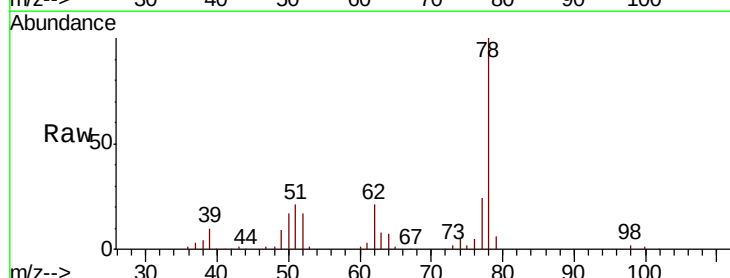
Manual Integrations
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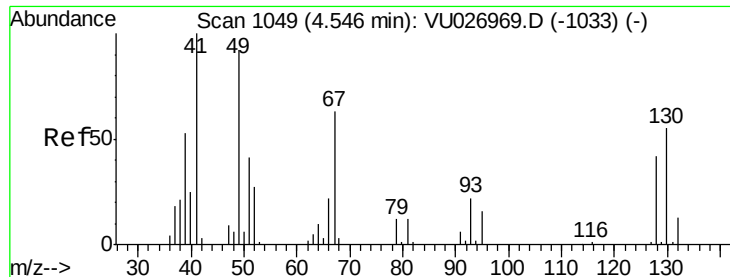
MMDadoda
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#40
Benzene
Concen: 19.450 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.0





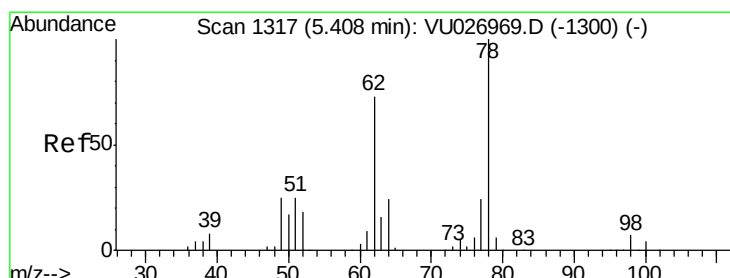
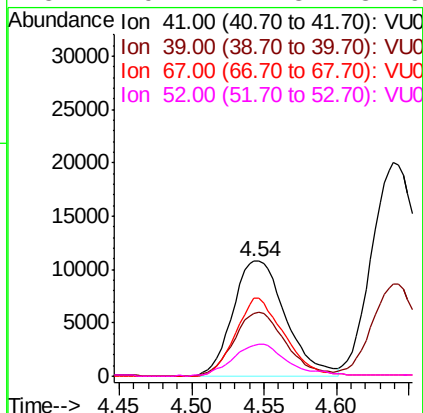
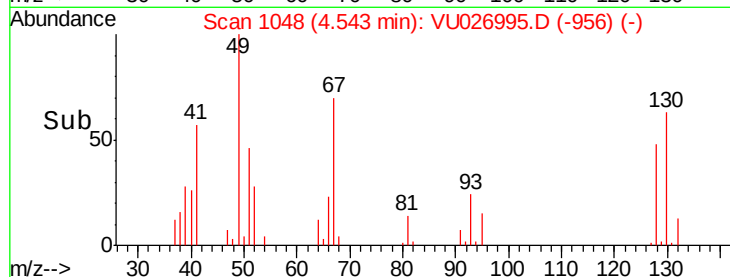
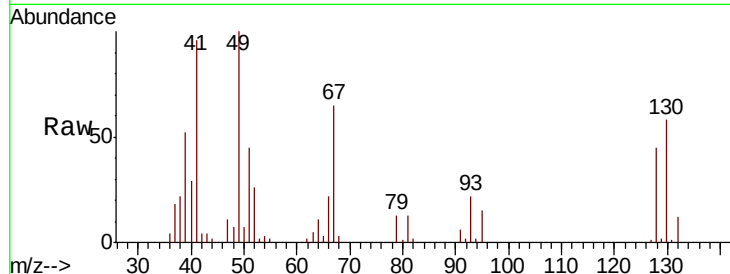
#41
Methacrylonitrile
Concen: 20.369 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	42.9	64.3	
67	62.2	52.4	78.6	
52	29.1	21.3	31.9	

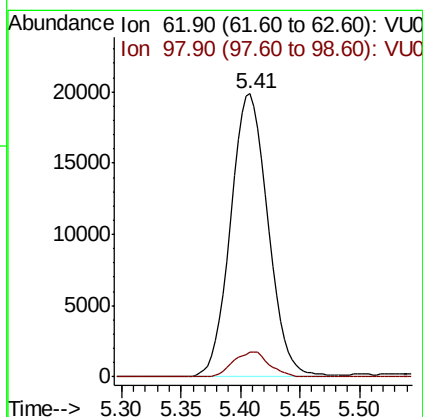
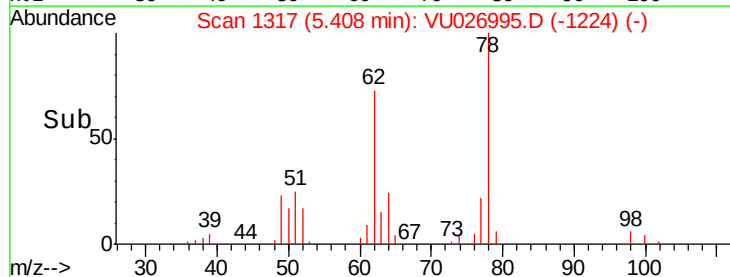
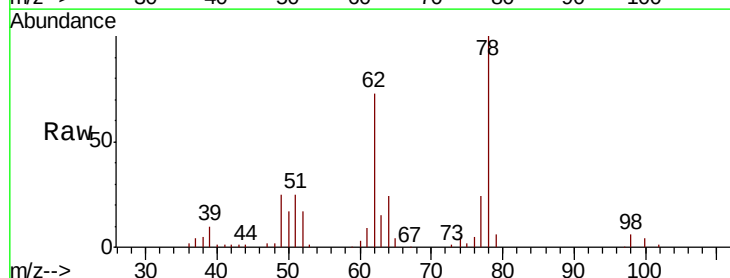
Manual Integrations
APPROVED

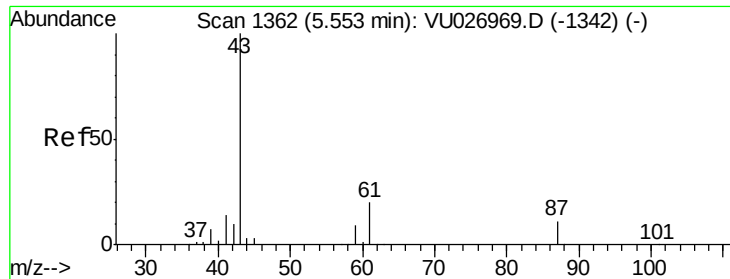
MMDadoda
9/24/2018 2:14:17 PM



#42
1,2-Dichloroethane
Concen: 19.707 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.0	





#43

Isopropyl Acetate

Concen: 20.051 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Instrument :

MSVOA_U

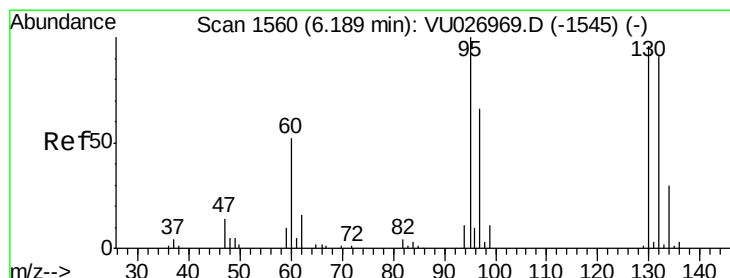
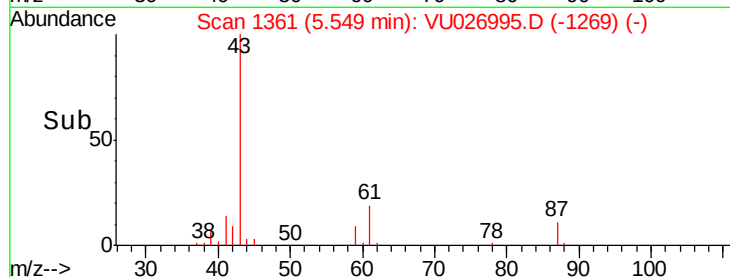
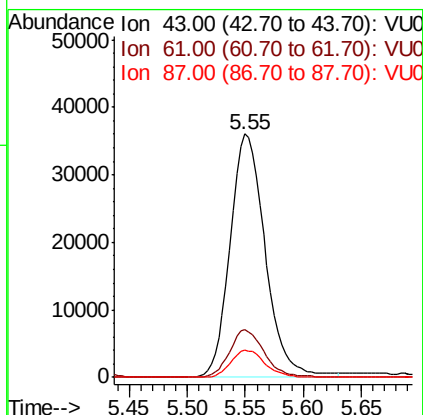
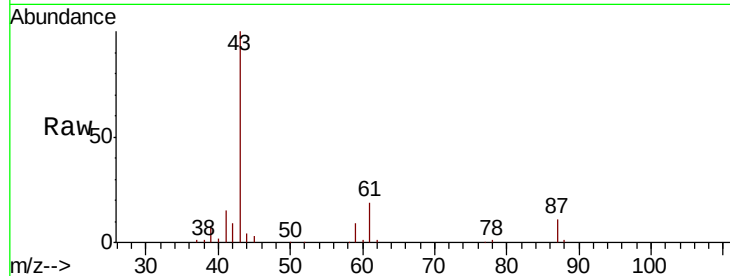
ClientSampleId :

VU0922WBS02

Tot Ion:	43	Resp:	75887
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.7	23.5
87	10.7	9.0	13.4

Manual Integrations
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9/24/2018 2:14:17 PM



#44

Trichloroethene

Concen: 19.137 ug/l

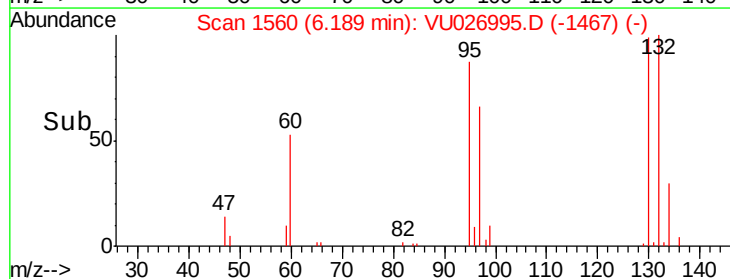
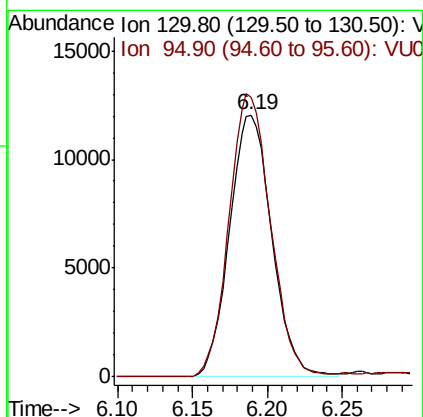
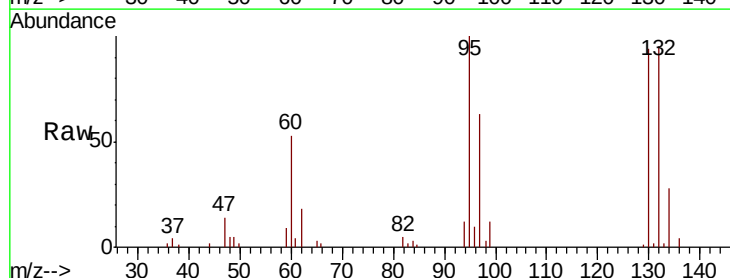
RT: 6.19 min Scan# 1560

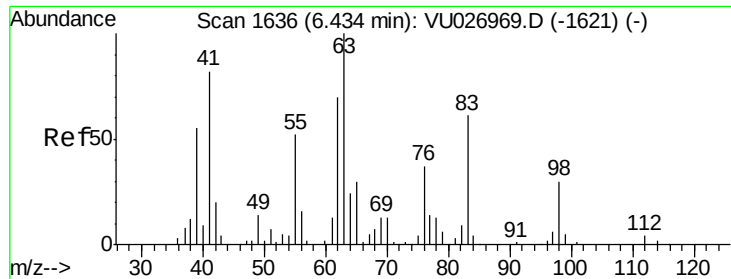
Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Tgt Ion:	130	Resp:	23743
Ion	Ratio	Lower	Upper
130	100		
95	106.9	0.0	208.8





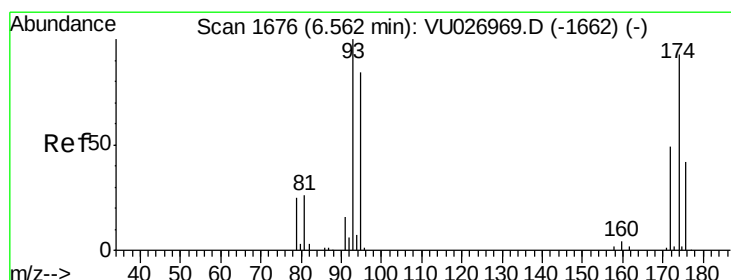
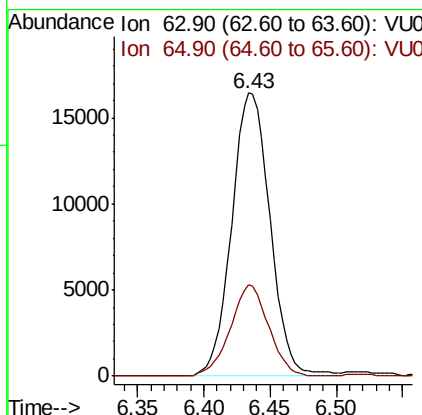
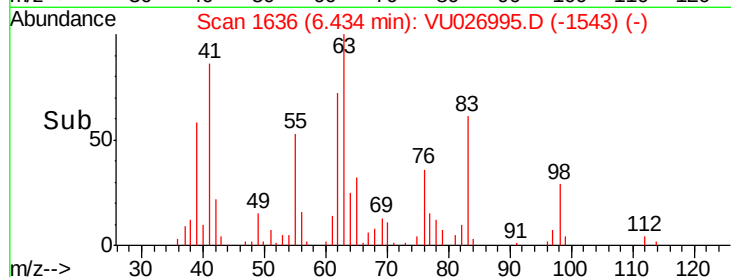
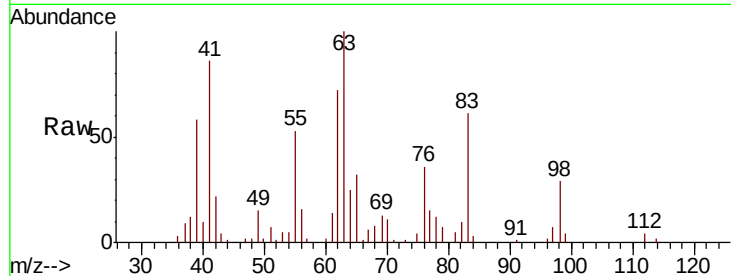
#45
 1,2-Dichloropropane
 Concen: 19.899 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.3	36.5

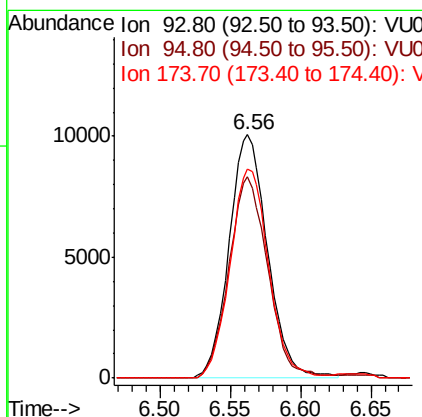
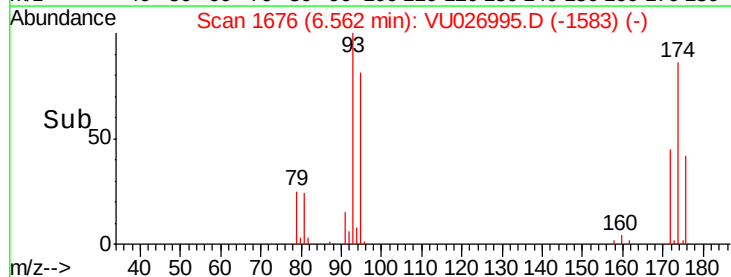
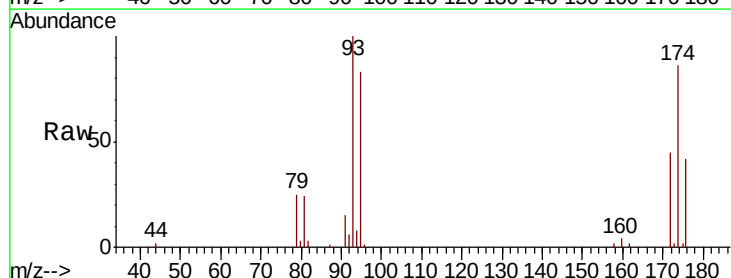
Manual Integrations
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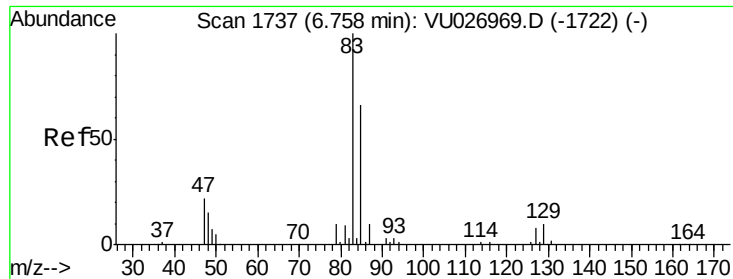
MMDadoda
 9/24/2018 2:14:17 PM



#46
 Dibromomethane
 Concen: 19.180 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.2	99.4
174	86.2	71.7	107.5





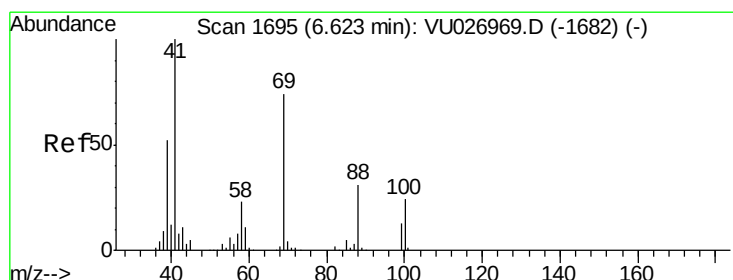
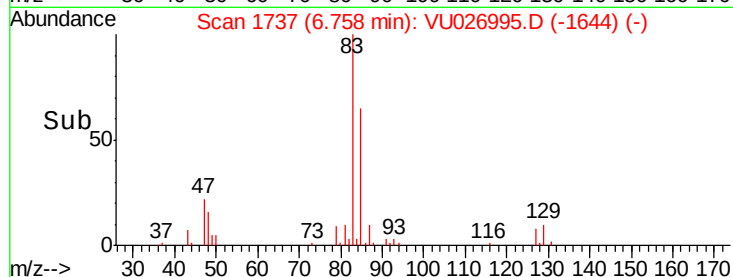
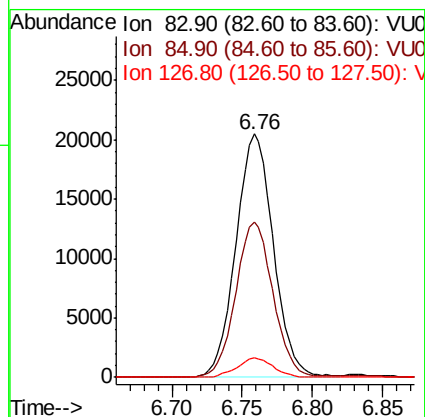
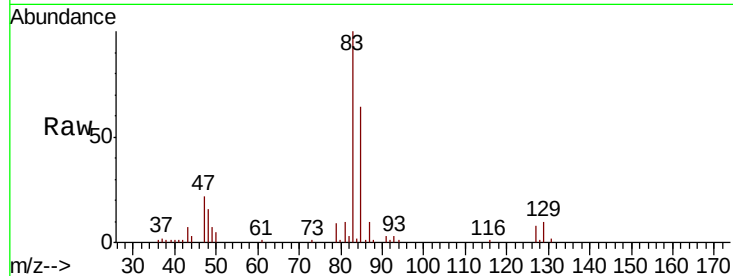
#47
Bromodichloromethane
Concen: 18.822 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS02

Tot Ion	83	Resp	38169
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	52.5	78.7
127	7.9	6.3	9.5

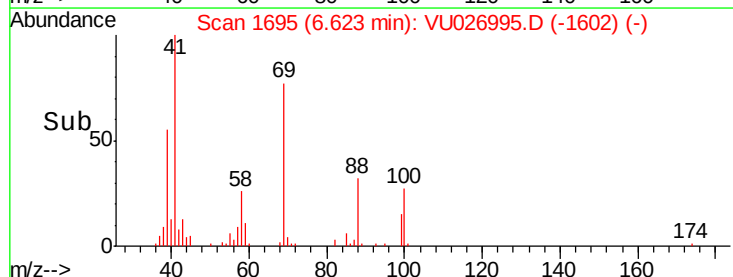
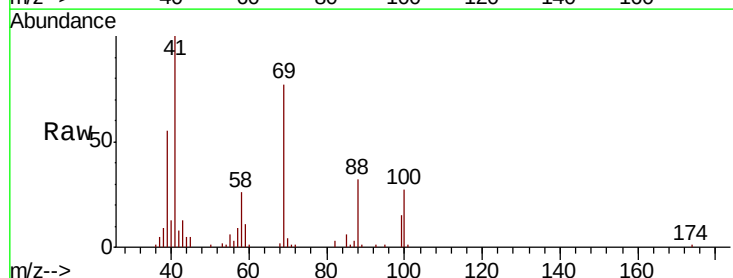
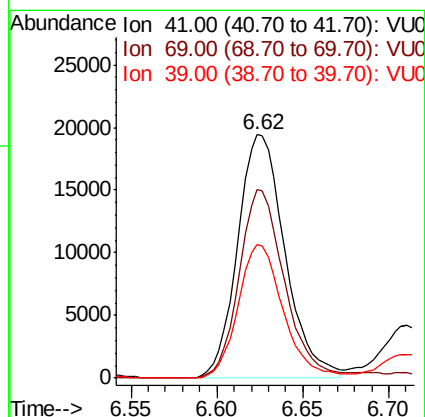
Manual Integrations
APPROVED

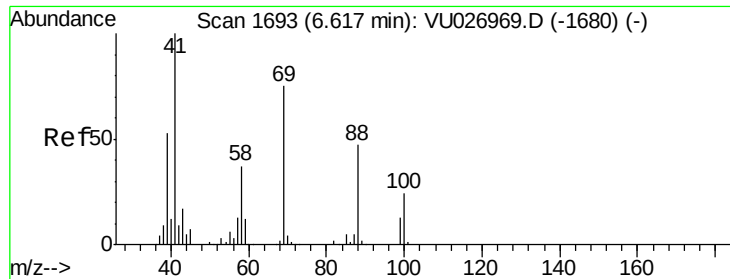
MMDadoda
9/24/2018 2:14:17 PM



#48
Methyl methacrylate
Concen: 18.739 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Tgt Ion	41	Resp	37272
Ion Ratio	100	Lower	Upper
41	100		
69	74.5	60.6	90.8
39	52.4	42.8	64.2





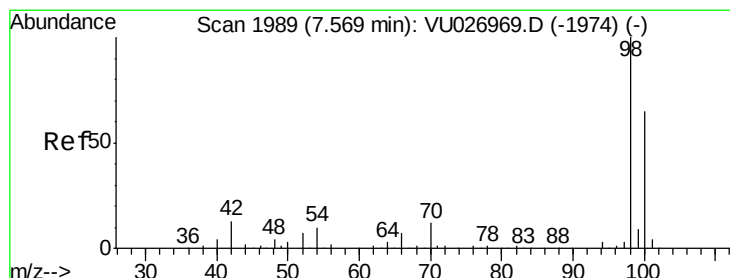
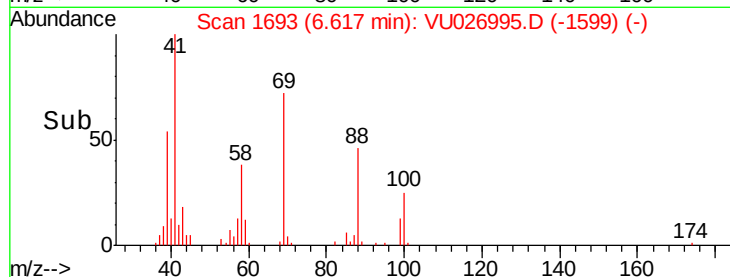
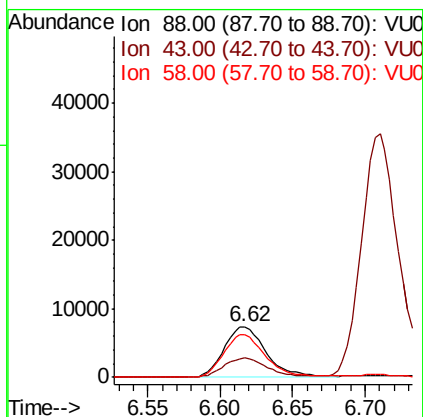
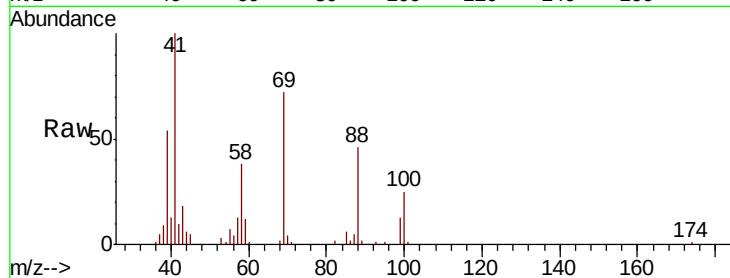
#49
1,4-Dioxane
Concen: 363.306 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.0	29.8	44.8
58	84.4	63.9	95.9

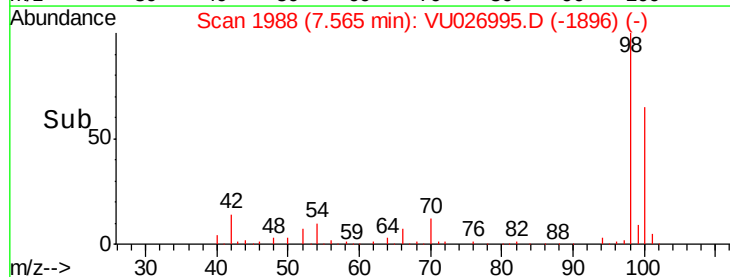
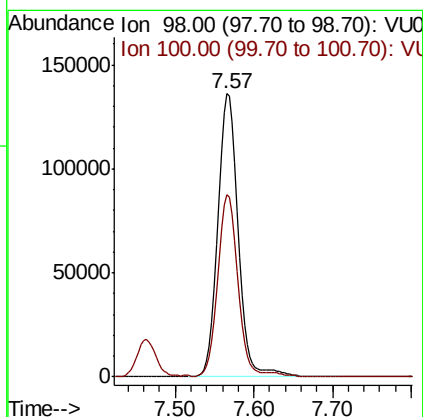
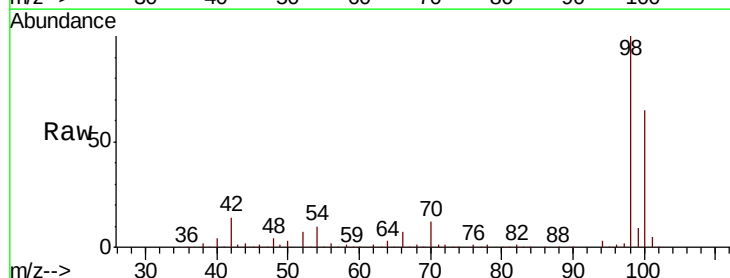
Manual Integrations
APPROVED

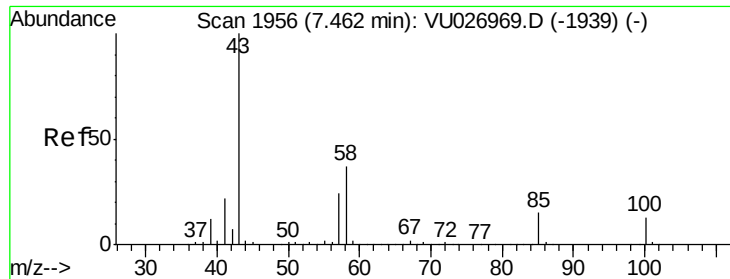
MMDadoda
9/24/2018 2:14:17 PM



#50
Toluene-d8
Concen: 51.423 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 101.632 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS02

Tot Ion: 43 Resp: 258704

Ion Ratio Lower Upper

43 100

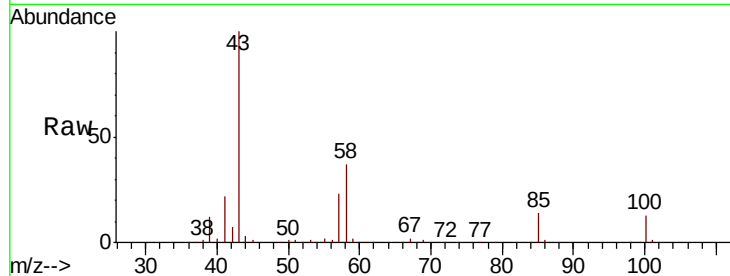
58 36.3 29.8 44.6

Manual Integrations

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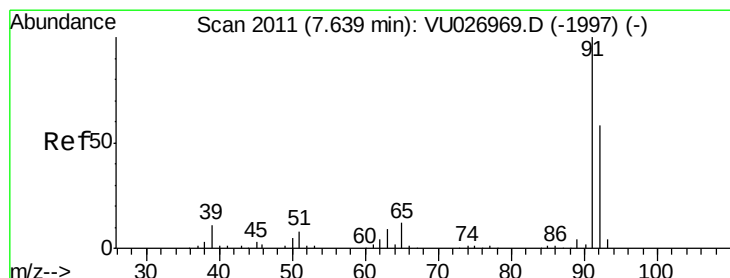
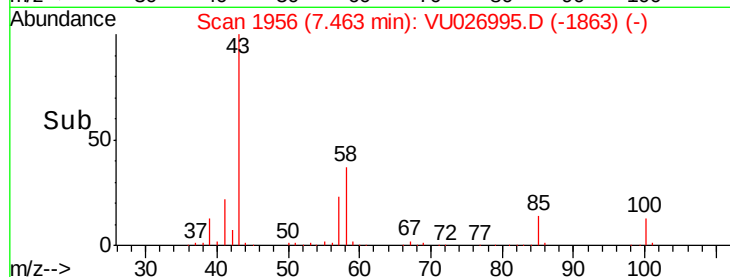
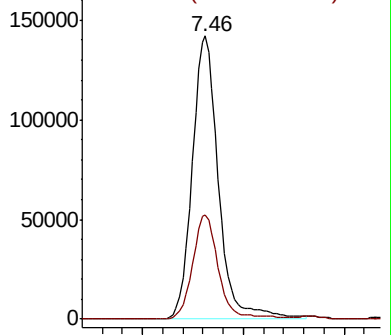
MMDadoda

9/24/2018 2:14:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 19.523 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026995.D

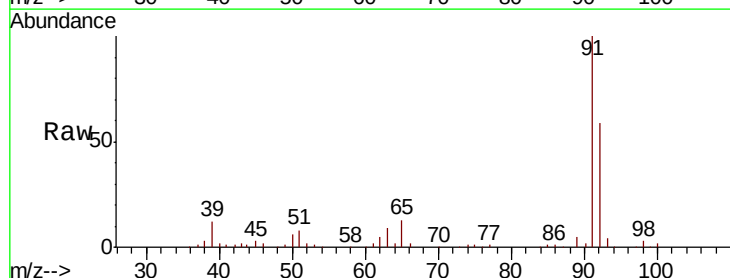
Acq: 22 Sep 2018 04:35

Tgt Ion: 92 Resp: 65217

Ion Ratio Lower Upper

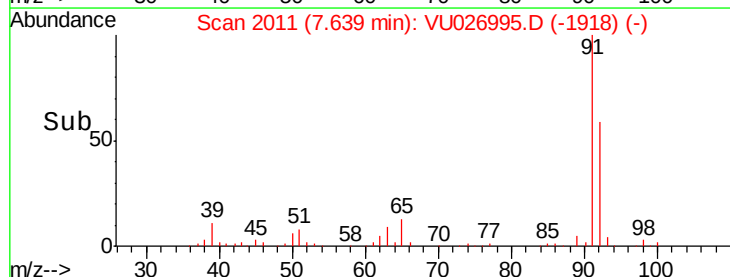
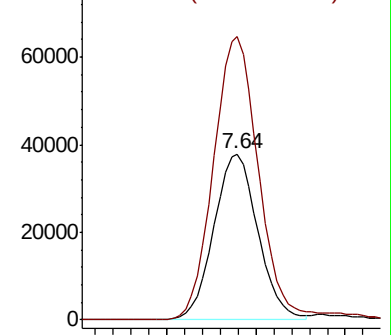
92 100

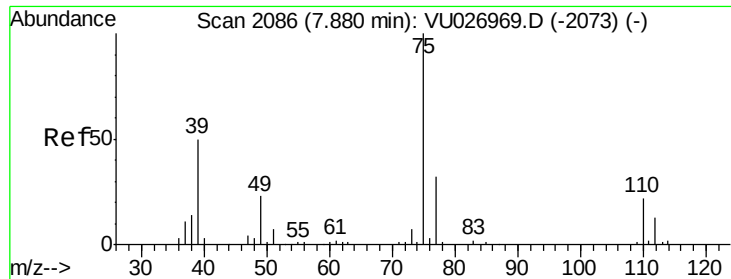
91 174.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





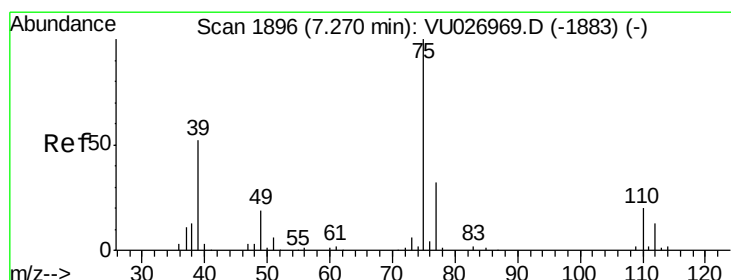
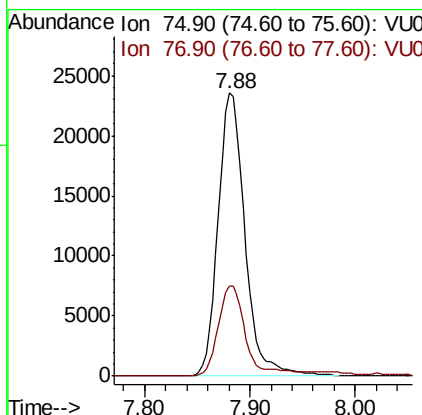
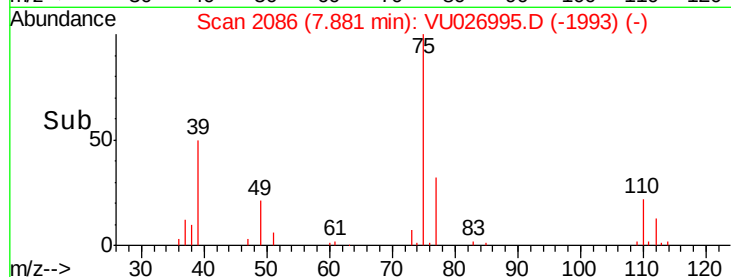
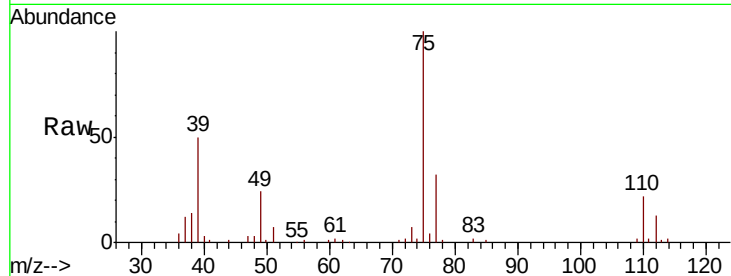
#53
t-1,3-Dichloropropene
Concen: 19.072 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS02

Tot Ion: 75 Resp: 41554
Ion Ratio Lower Upper
75 100
77 31.8 25.3 37.9

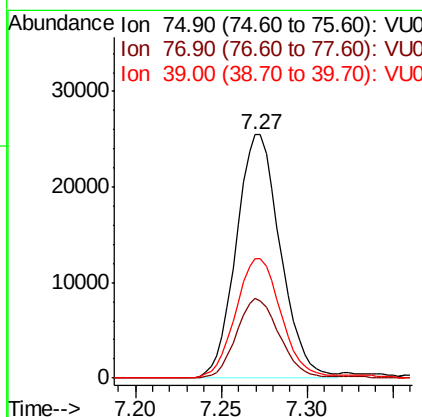
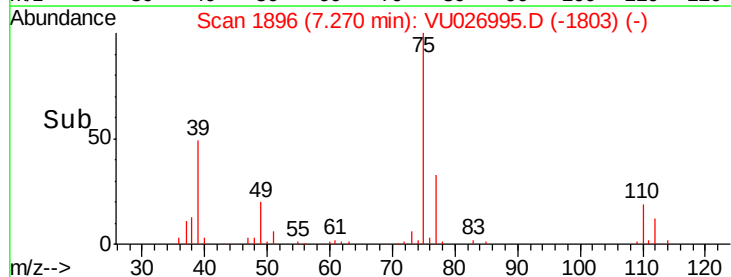
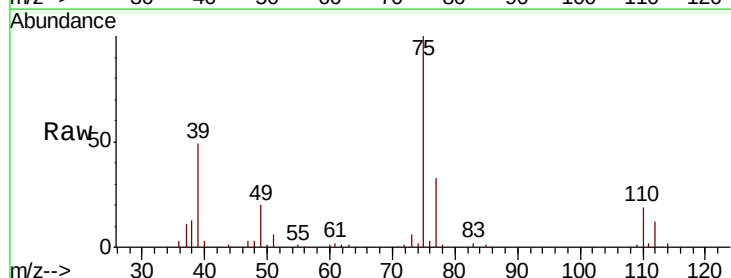
Manual Integrations
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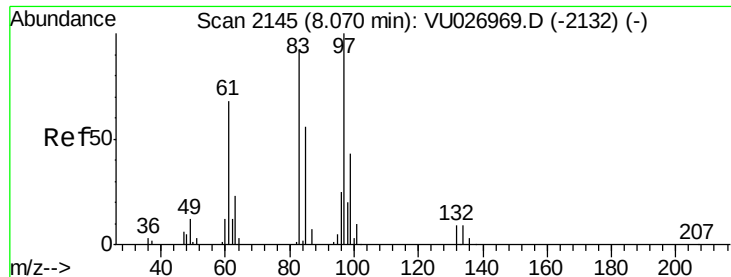
MMDadoda
9/24/2018 2:14:17 PM



#54
cis-1,3-Dichloropropene
Concen: 18.979 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Tgt Ion: 75 Resp: 45467
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.0
39 49.2 41.6 62.4





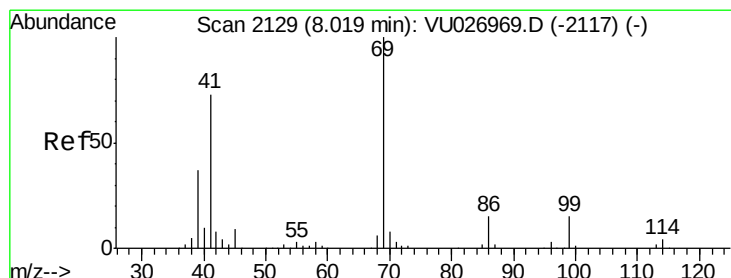
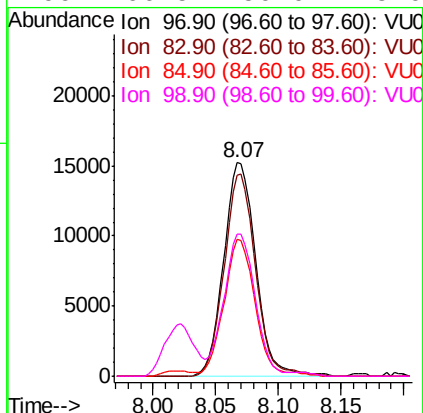
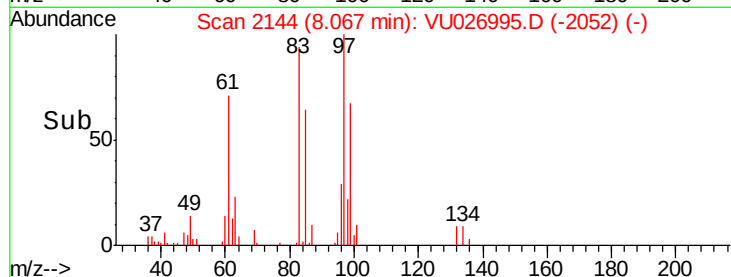
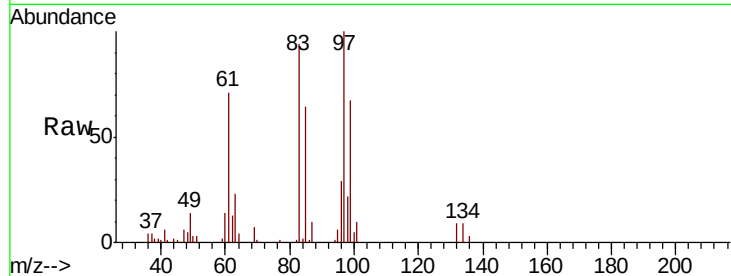
#55
 1,1,2-Trichloroethane
 Concen: 19.115 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS02

Tot Ion:	97	Resp:	27057
Ion	Ratio	Lower	Upper
97	100		
83	94.2	73.1	109.7
85	64.1	46.7	70.1
99	66.5	50.0	75.0

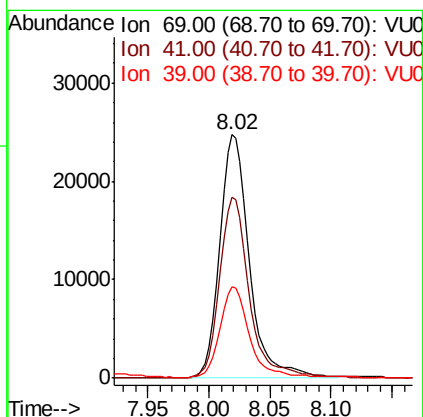
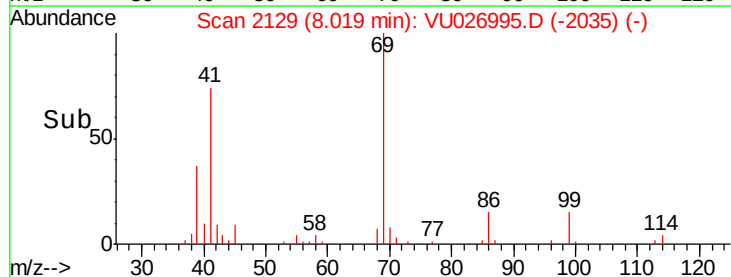
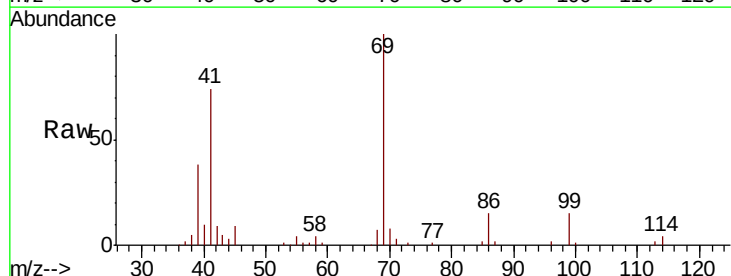
Manual Integrations
 APPROVED

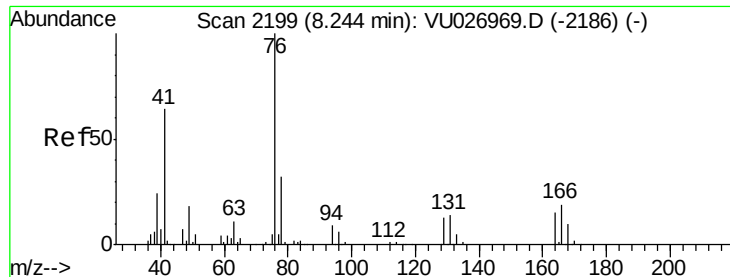
MMDadoda
 9/24/2018 2:14:17 PM



#56
 Ethyl methacrylate
 Concen: 18.737 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Tgt Ion:	69	Resp:	42494
Ion	Ratio	Lower	Upper
69	100		
41	74.2	59.0	88.4
39	38.0	30.2	45.4





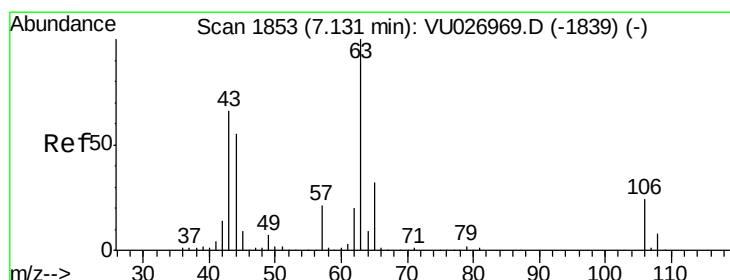
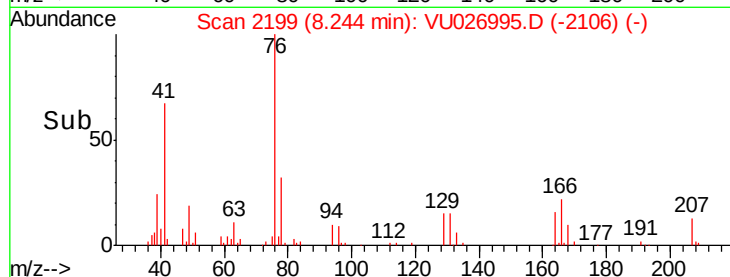
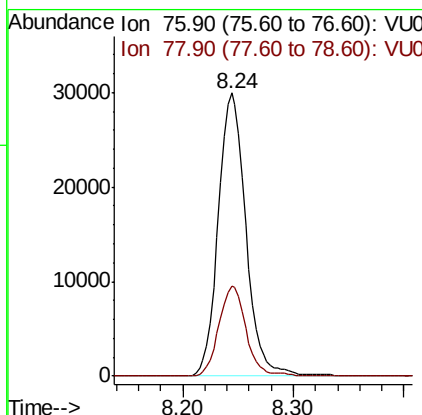
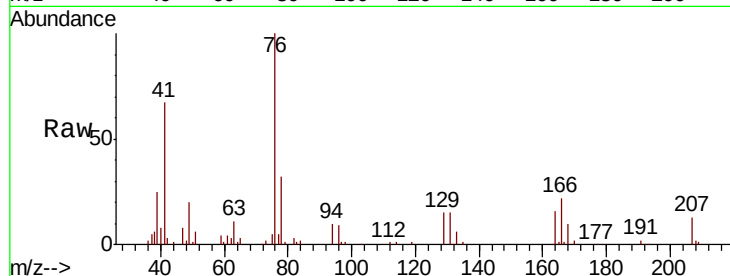
#57
 1,3-Dichloropropane
 Concen: 19.706 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.5	38.3

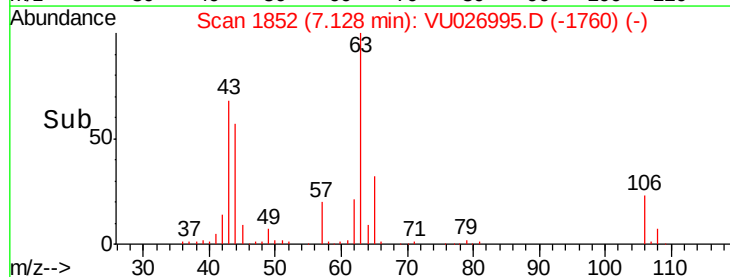
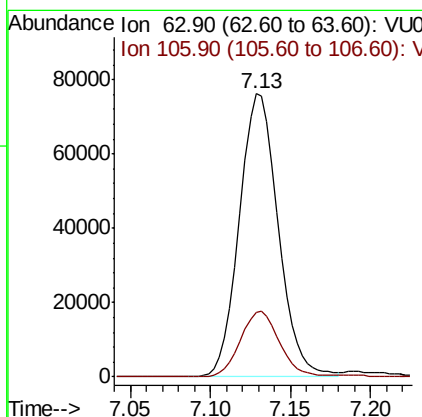
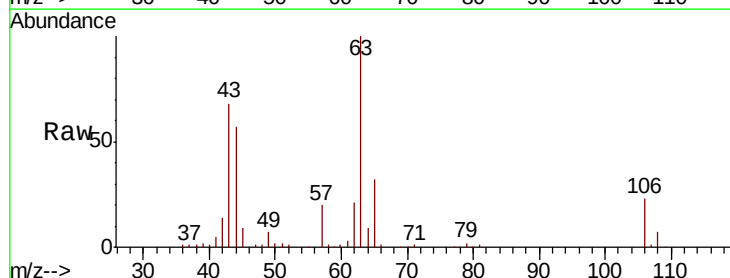
Manual Integrations
 APPROVED

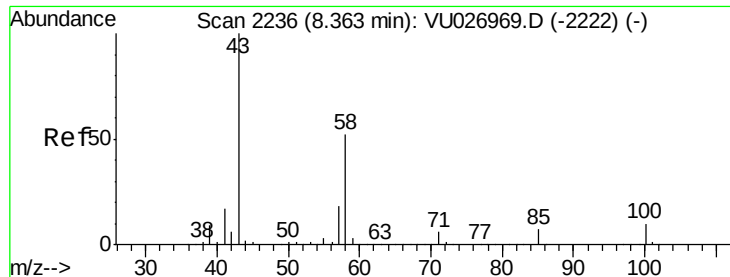
MMDadoda
 9/24/2018 2:14:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.062 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.3	18.7	28.1





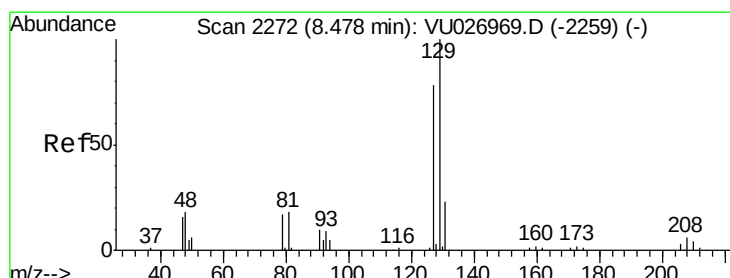
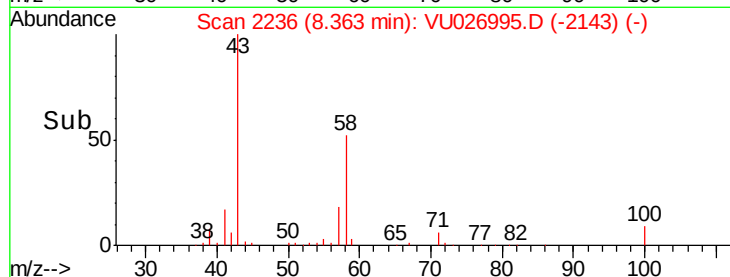
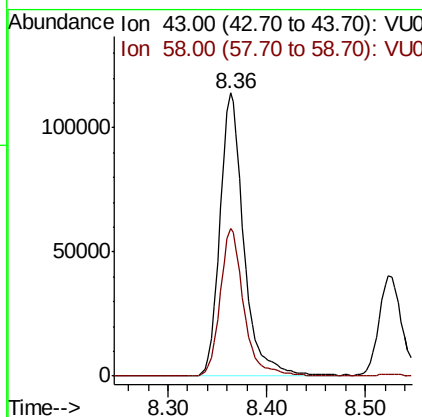
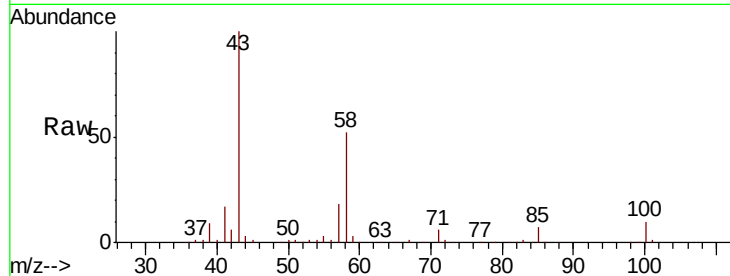
#59
2-Hexanone
Concen: 97.520 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS02

Tot Ion	43	Resp	194315
Ion Ratio	100	Lower	Upper
58	51.7	26.1	78.2

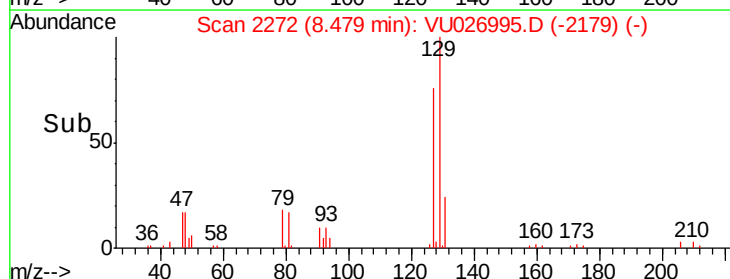
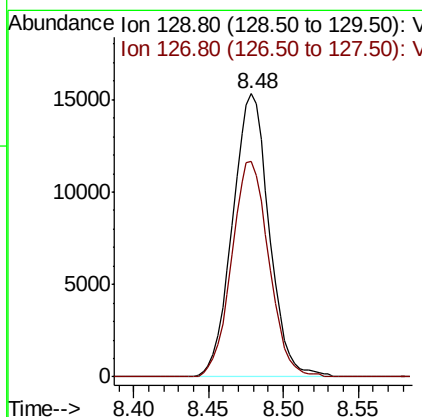
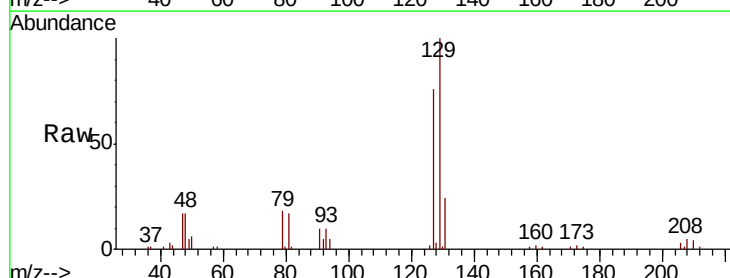
Manual Integrations
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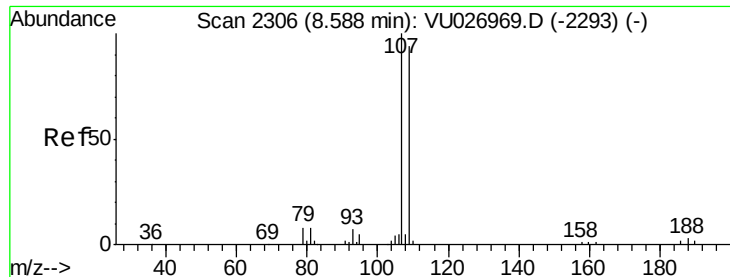
MMDadoda
9/24/2018 2:14:17 PM



#60
Dibromochloromethane
Concen: 18.840 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Tgt Ion	129	Resp	26158
Ion Ratio	100	Lower	Upper
127	77.2	38.1	114.5





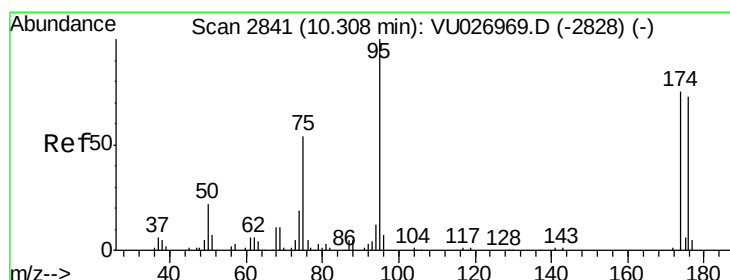
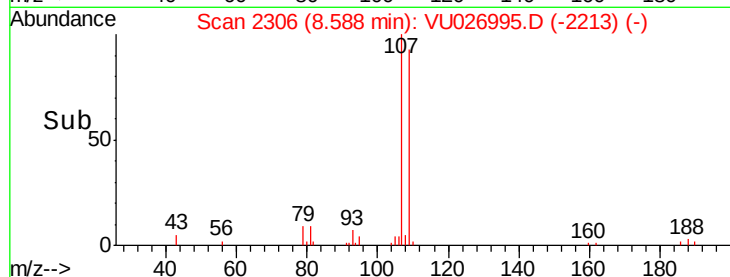
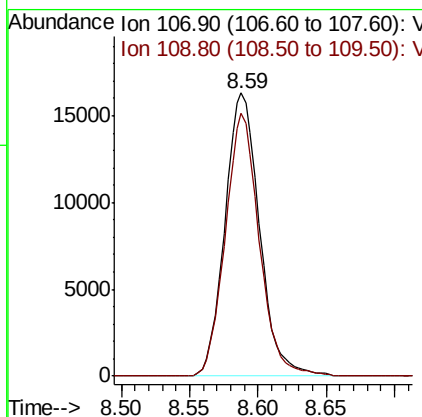
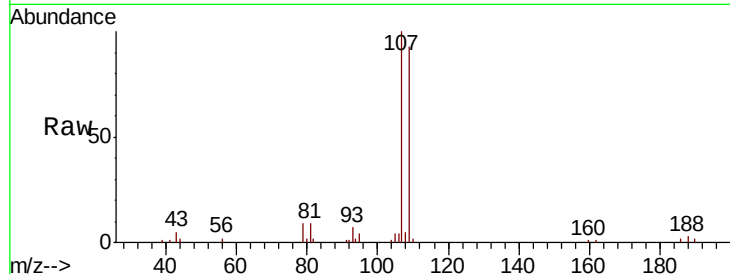
#61
 1,2-Dibromoethane
 Concen: 19.497 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.3	75.0	112.6

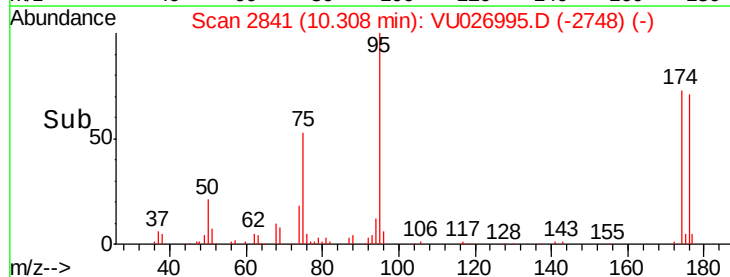
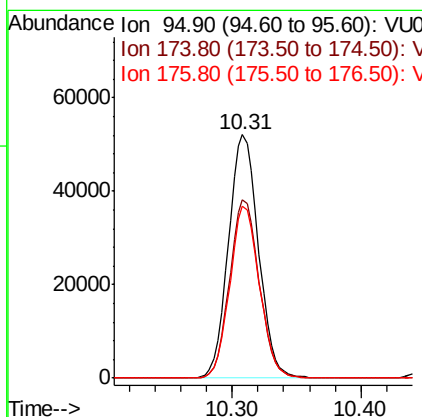
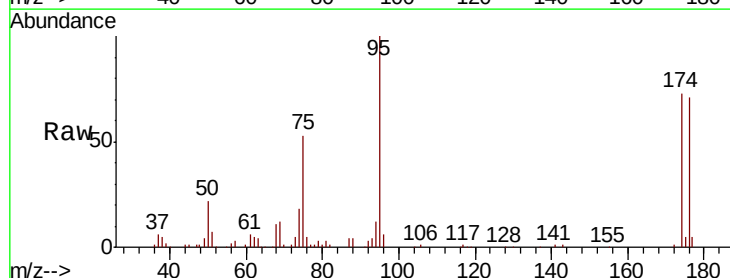
Manual Integrations
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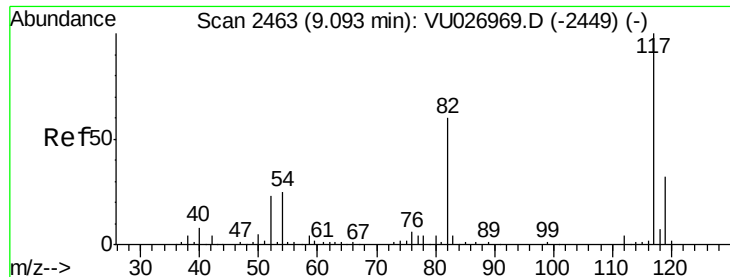
MMDadoda
 9/24/2018 2:14:17 PM



#62
 4-Bromofluorobenzene
 Concen: 51.650 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	150.2
176	69.9	0.0	145.2





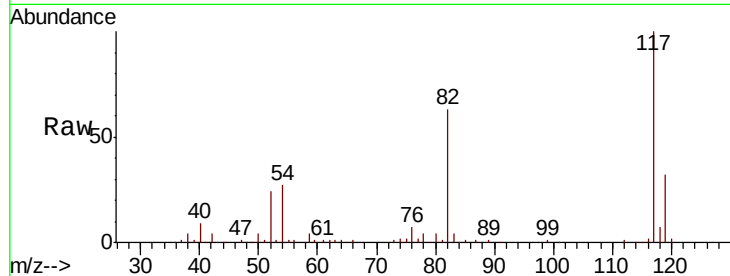
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.7	48.0	72.0
119	31.8	25.8	38.8

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9/24/2018 2:14:17 PM

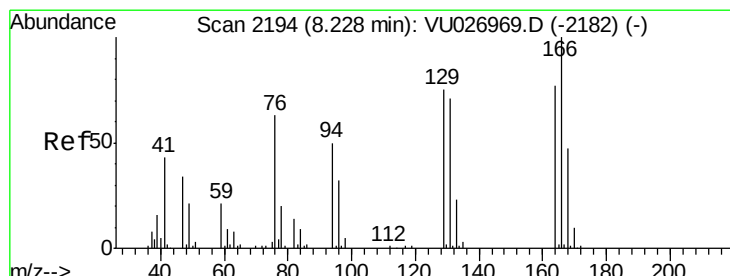
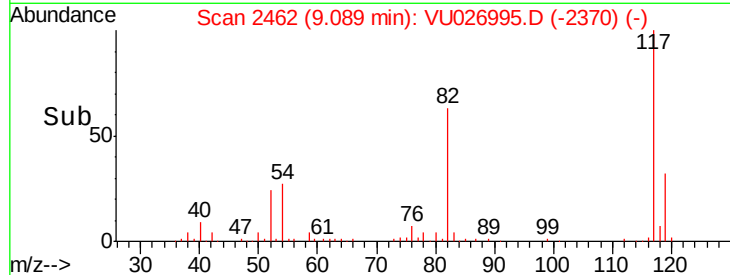
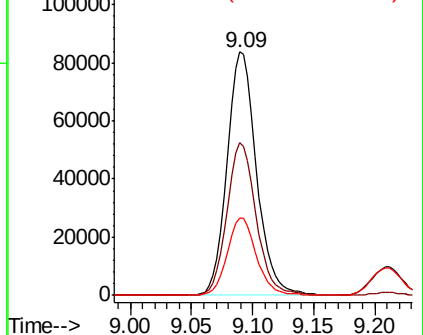


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.024 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	104.4	156.6
129	96.6	78.7	118.1
131	92.2	73.9	110.9

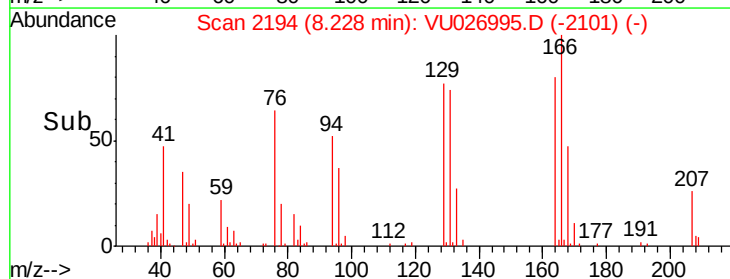
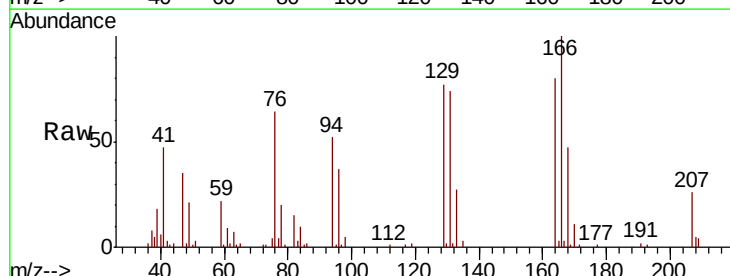
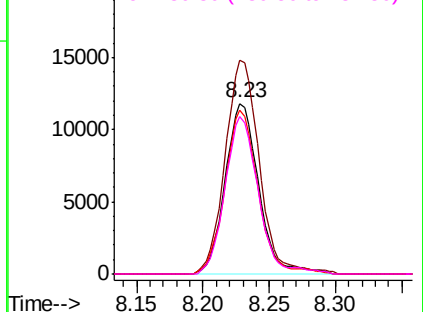
Abundance

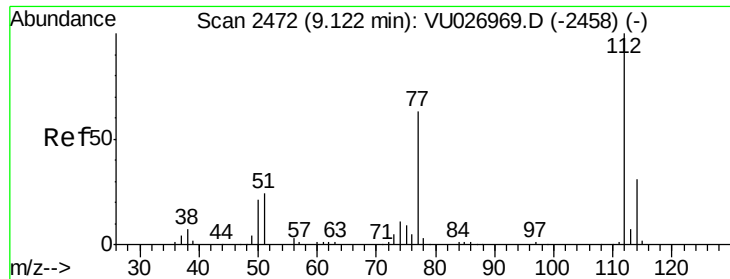
Ion 163.80 (163.50 to 164.50): V

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





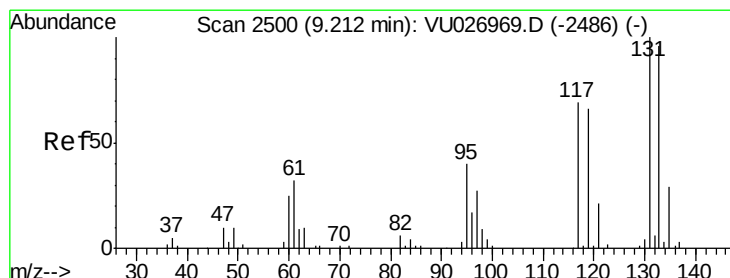
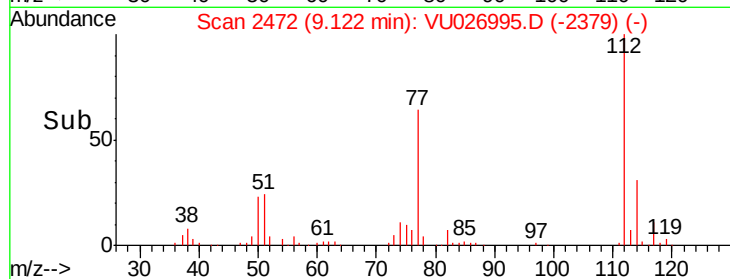
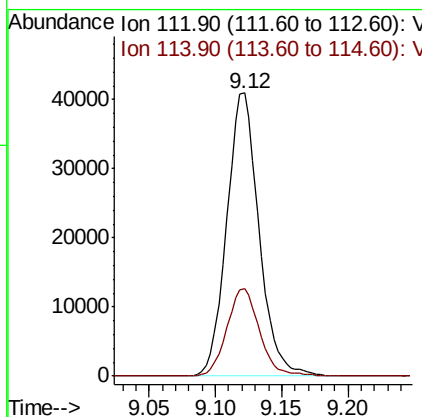
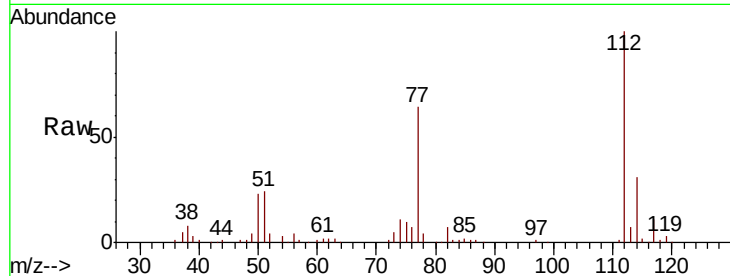
#65
Chlorobenzene
Concen: 18.453 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS02

Tot Ion:112 Resp: 69369
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6

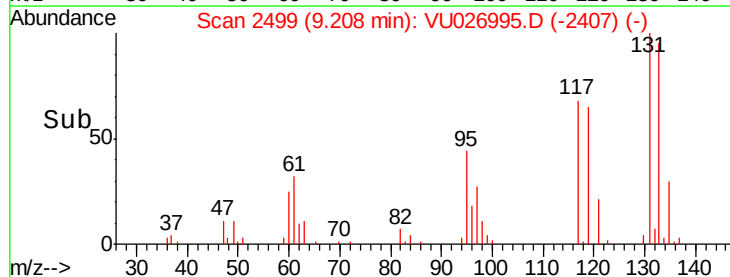
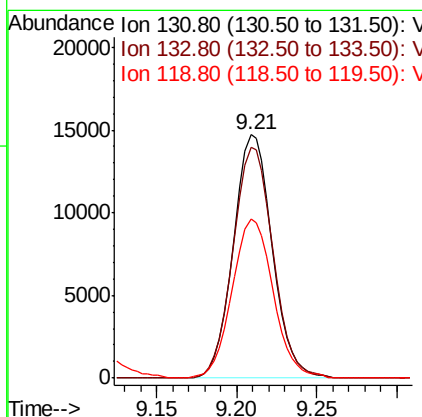
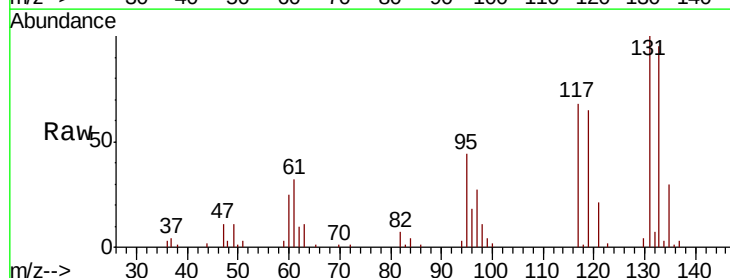
Manual Integrations
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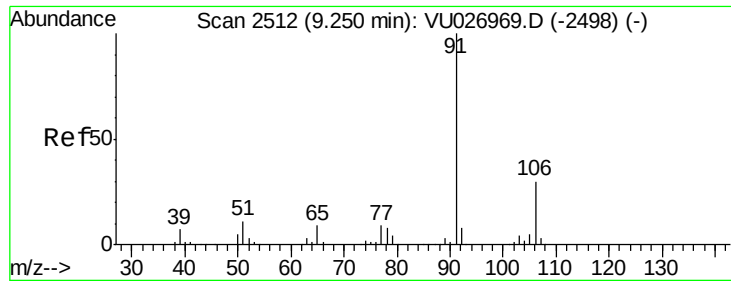
MMDadoda
9/24/2018 2:14:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.823 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Tgt Ion:131 Resp: 24372
Ion Ratio Lower Upper
131 100
133 97.5 48.0 144.2
119 68.7 33.4 100.1





#67

Ethyl Benzene

Concen: 19.171 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS02

Tot Ion: 91 Resp: 118504

Ion Ratio Lower Upper

91 100

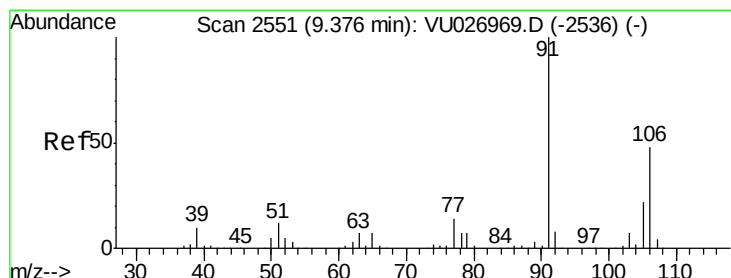
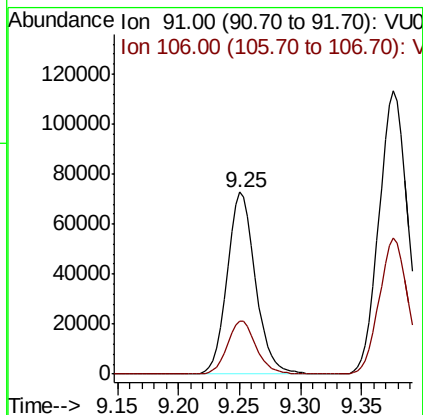
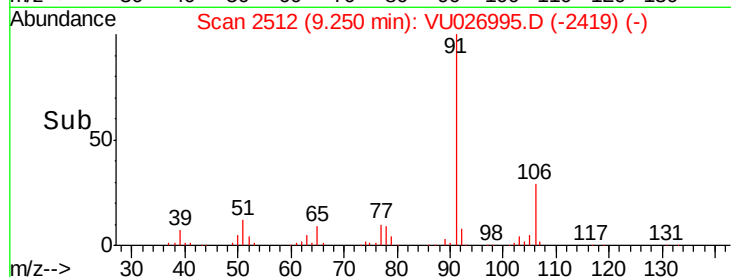
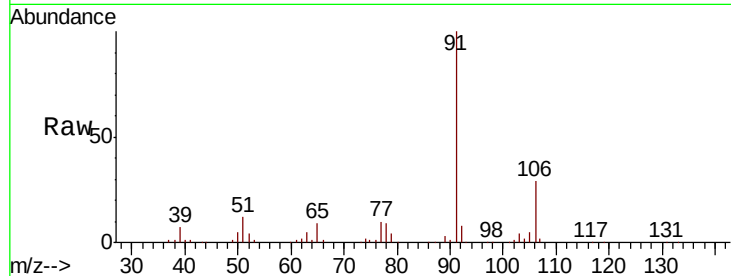
106 29.3 23.8 35.8

Manual Integrations

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9/24/2018 2:14:17 PM



#68

m/p-Xylenes

Concen: 37.207 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU026995.D

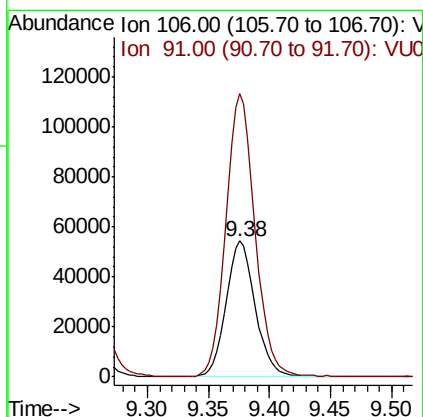
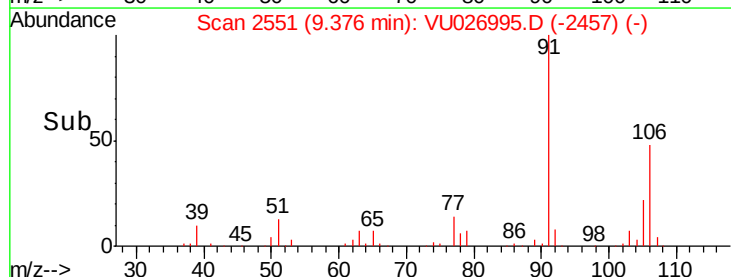
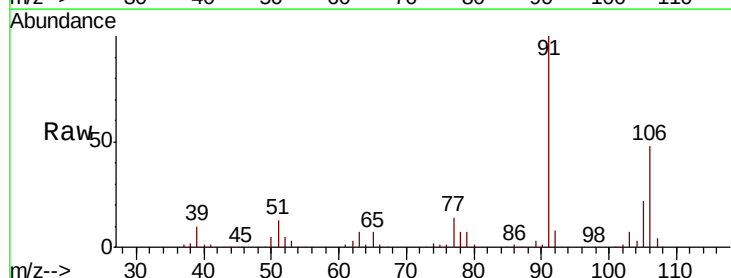
Acq: 22 Sep 2018 04:35

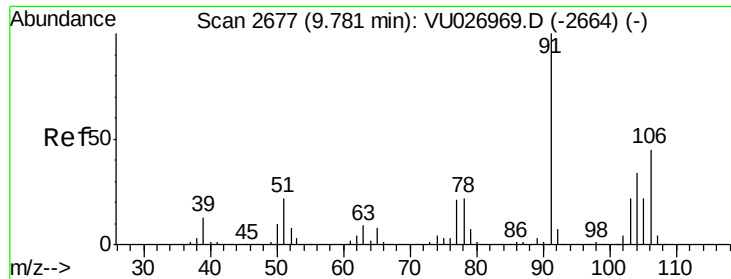
Tgt Ion: 106 Resp: 90749

Ion Ratio Lower Upper

106 100

91 208.9 166.5 249.7





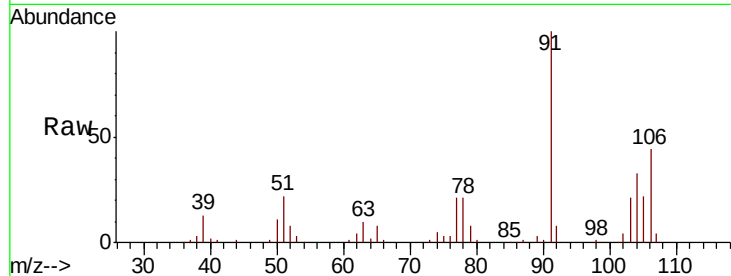
#69
o-Xylene
Concen: 19.433 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS02

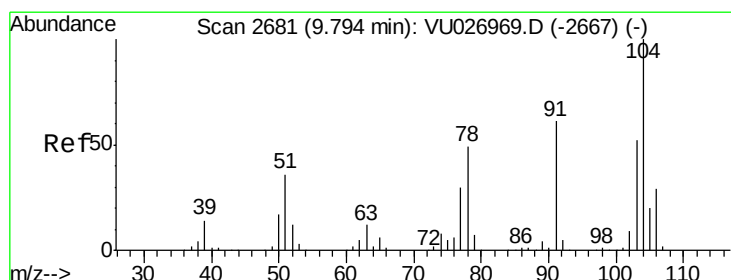
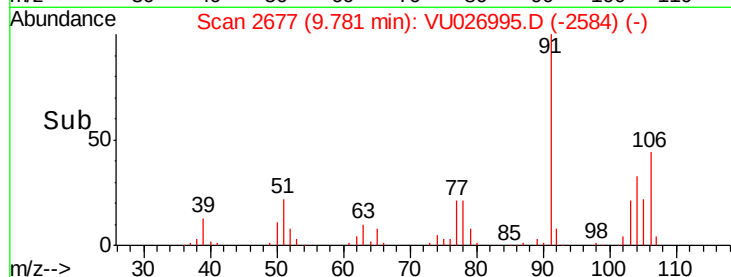
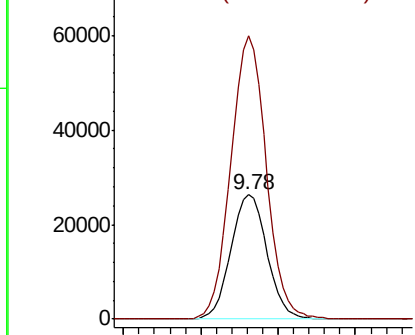
Tot Ion:106 Resp: 42561
Ion Ratio Lower Upper
106 100
91 223.2 110.2 330.6

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9/24/2018 2:14:17 PM

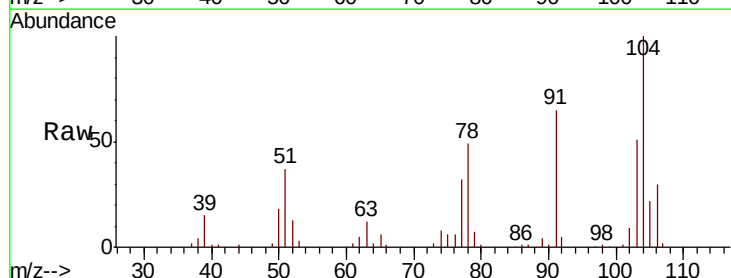


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

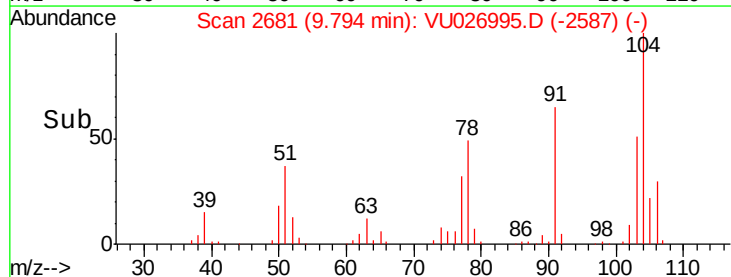
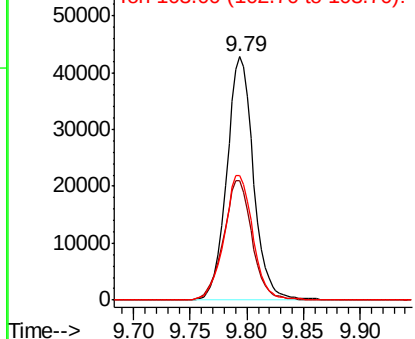


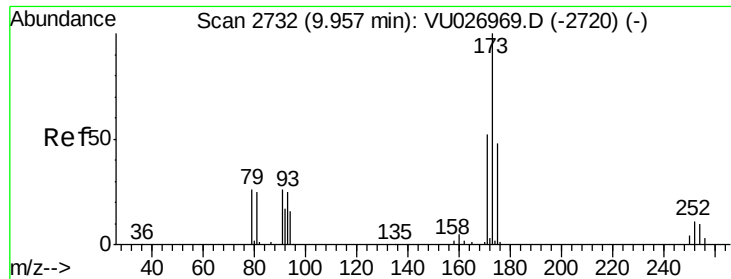
#70
Styrene
Concen: 18.337 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Tgt Ion:104 Resp: 70124
Ion Ratio Lower Upper
104 100
78 52.8 43.0 64.4
103 55.0 44.1 66.1



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





#71

Bromoform

Concen: 18.825 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS02

Tot Ion:173 Resp: 18849

Ion Ratio Lower Upper

173 100

175 48.7 23.9 71.8

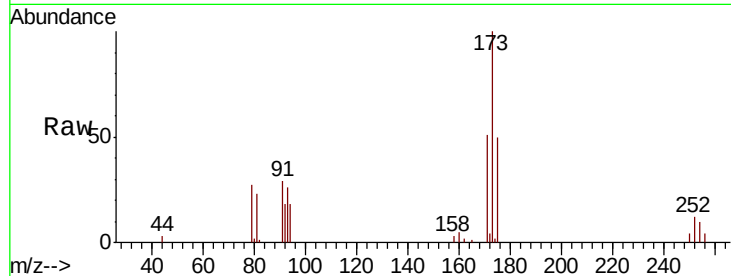
254 0.0 0.0 0.0

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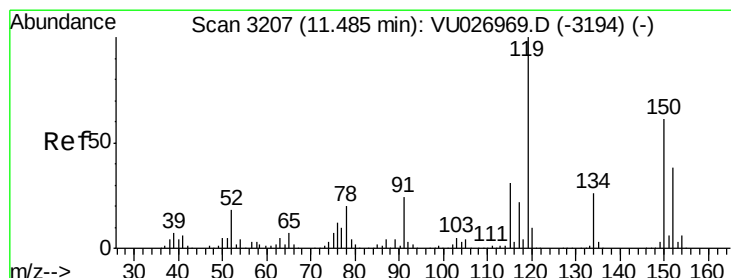
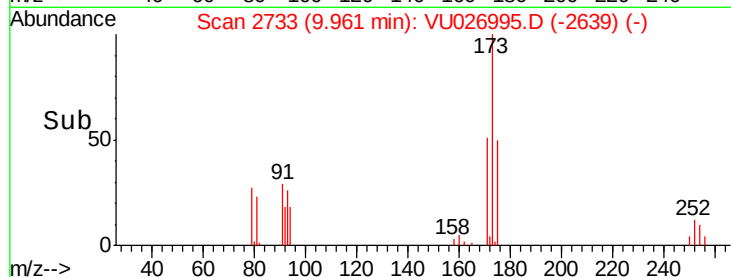
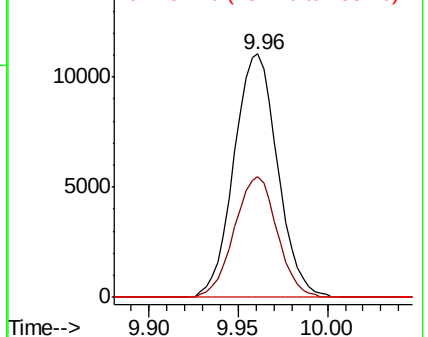
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Abundance Ion 172.70 (172.40 to 173.40): V
15000 Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

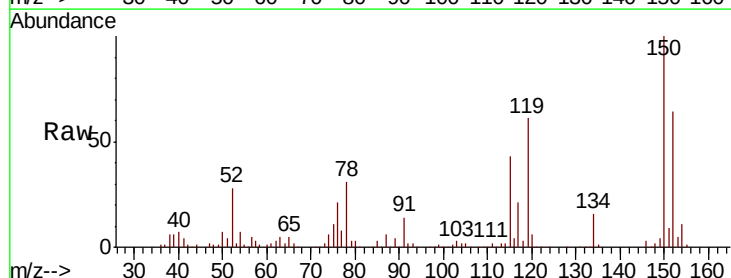
Tgt Ion:152 Resp: 73661

Ion Ratio Lower Upper

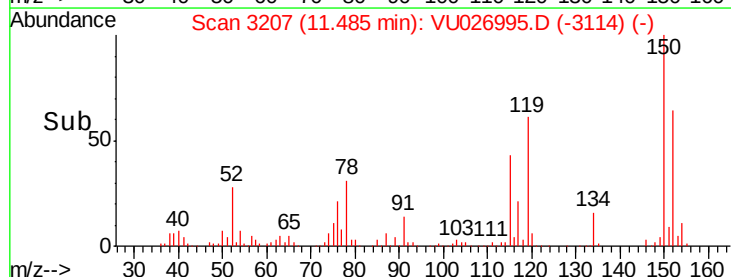
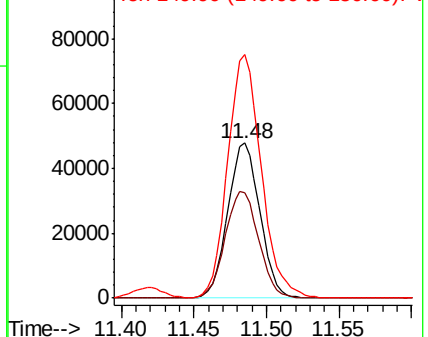
152 100

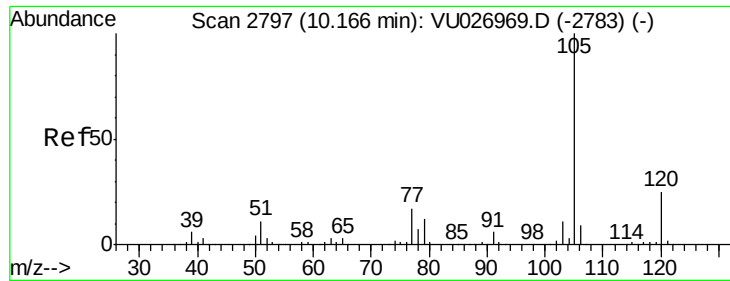
115 71.7 44.9 134.5

150 164.4 0.0 355.8



Abundance Ion 151.90 (151.60 to 152.60): V
100000 Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.749 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS02

Tot Ion: 105 Resp: 116261

Ion Ratio Lower Upper

105 100

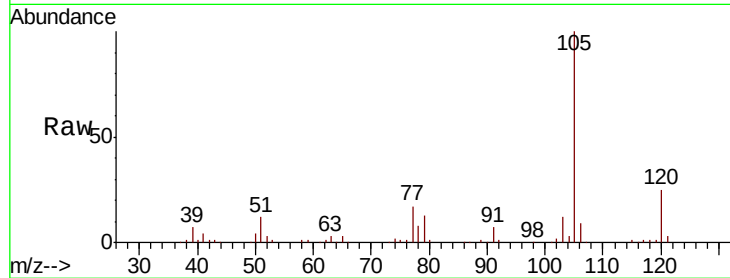
120 25.1 12.8 38.4

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9/24/2018 2:14:17 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

80000

60000

40000

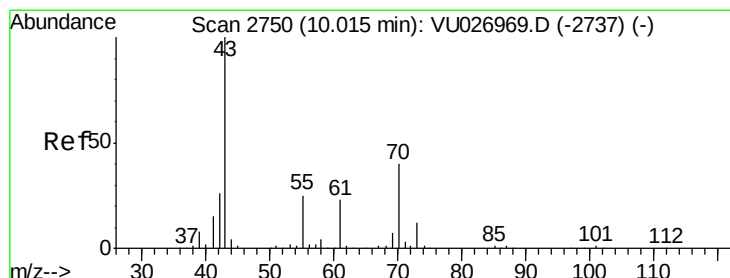
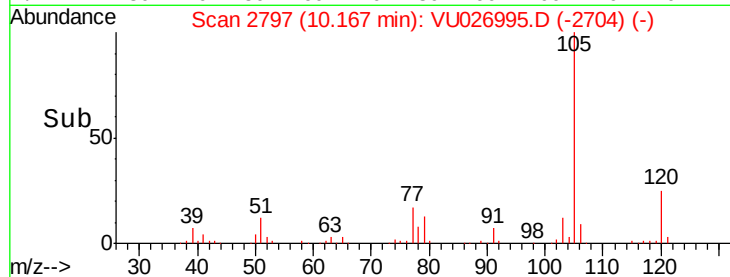
20000

0

10.10

10.20

Time-->



#74

N-ethyl acetate

Concen: 19.787 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Tgt Ion: 43 Resp: 64178

Ion Ratio Lower Upper

43 100

70 38.8 31.8 47.8

55 24.6 19.9 29.9

61 22.3 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

60000

50000

40000

30000

20000

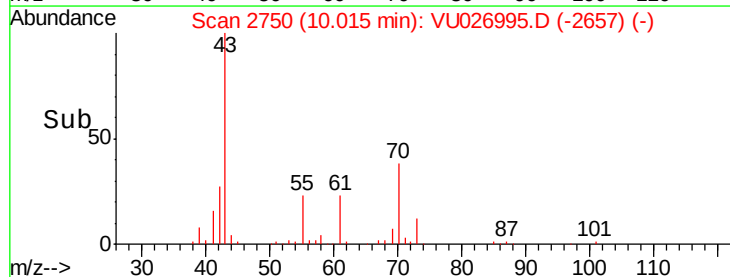
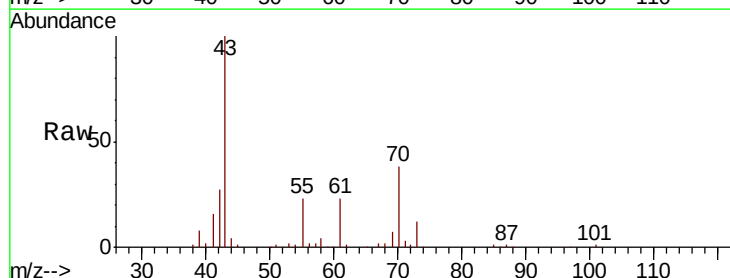
10000

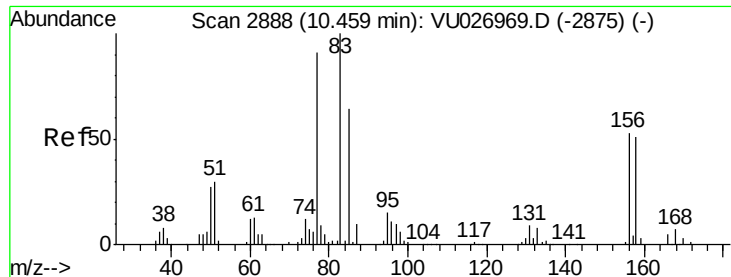
0

10.00

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.379 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Instrument :

MSVOA_U

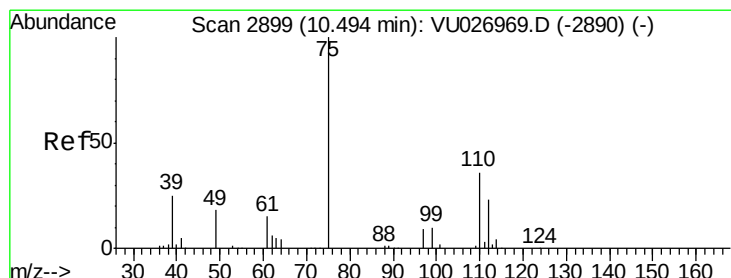
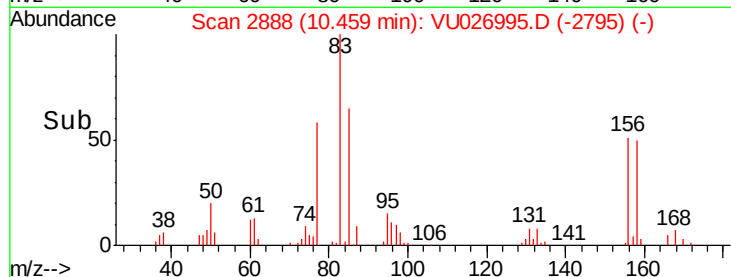
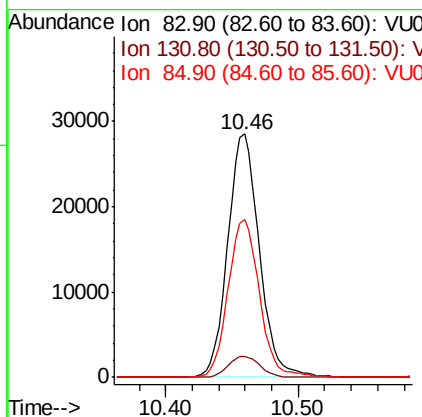
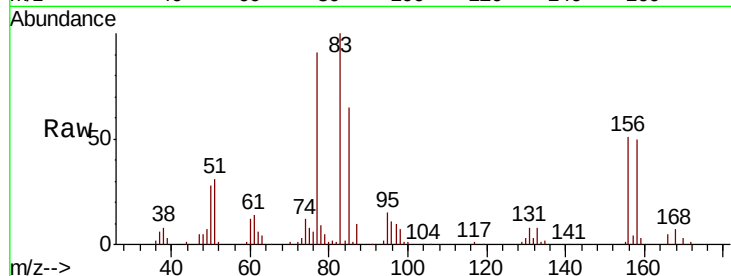
ClientSampleId :

VU0922WBS02

Tot Ion:	83	Resp:	47348
Ion	Ratio	Lower	Upper
83	100		
131	8.6	4.3	12.8
85	64.3	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.833 ug/l m

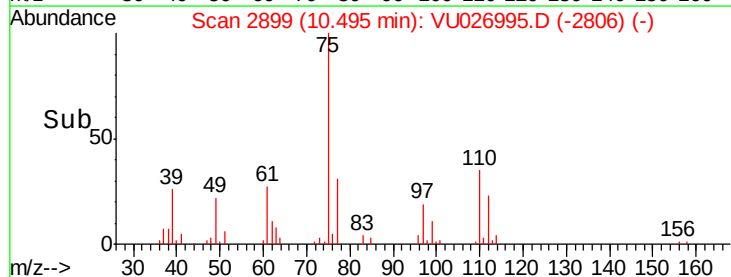
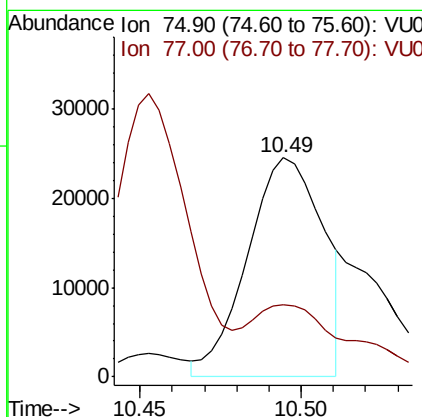
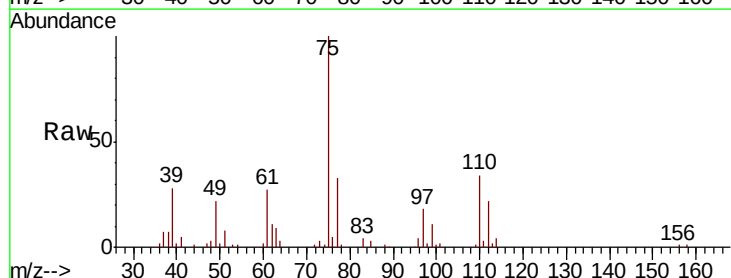
RT: 10.49 min Scan# 2899

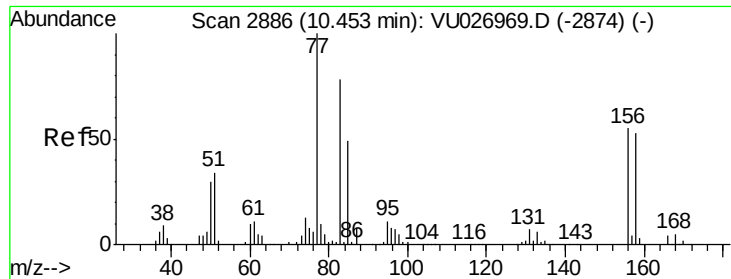
Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Tgt Ion:	75	Resp:	39907
Ion	Ratio	Lower	Upper
75	100		
77	42.1	20.9	62.8





#77

Bromobenzene

Concen: 19.561 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Instrument :

MSVOA_U

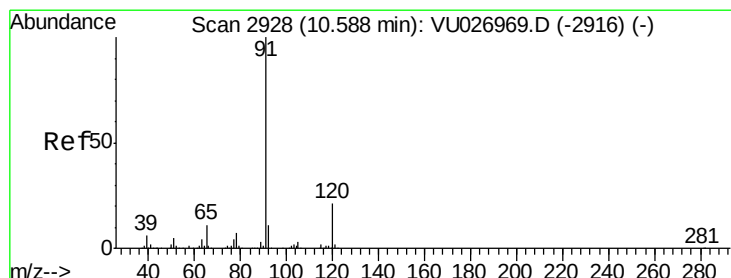
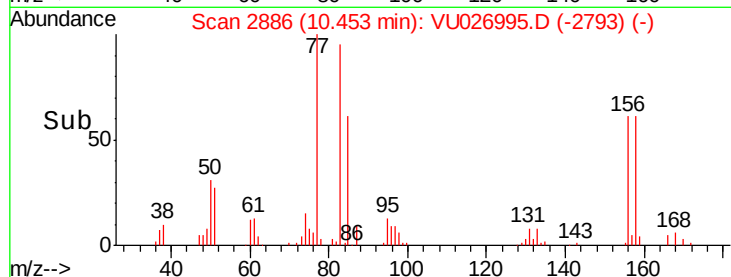
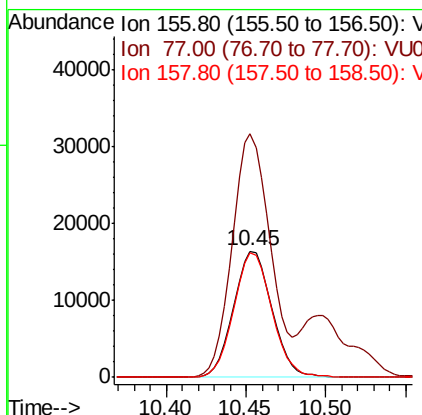
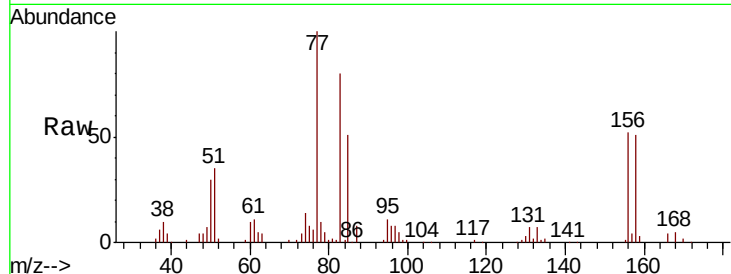
ClientSampleId :

VU0922WBS02

Tot Ion:	156	Resp:	26784
Ion	Ratio	Lower	Upper
156	100		
77	191.6	92.3	276.9
158	98.2	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 20.788 ug/l

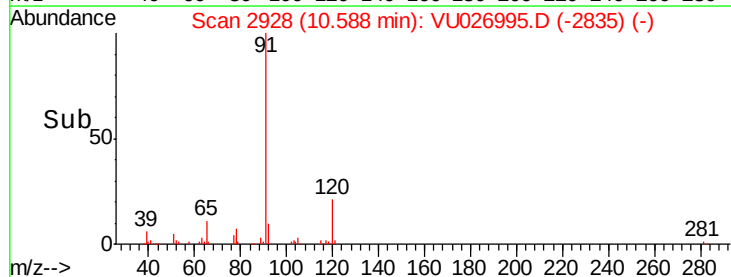
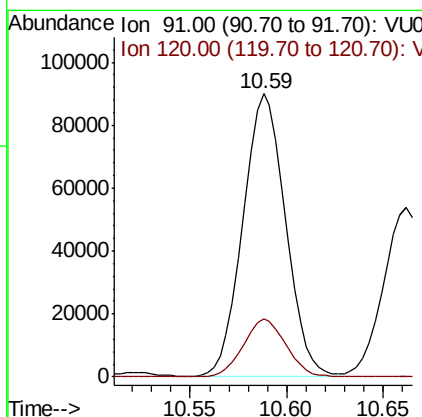
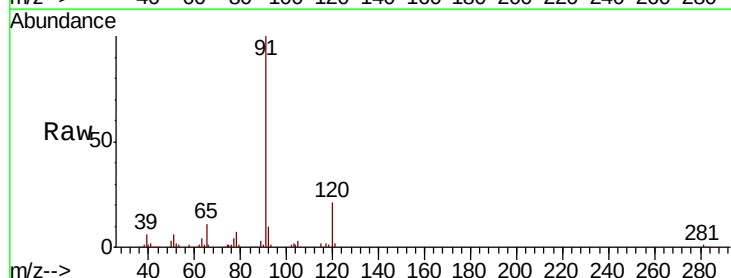
RT: 10.59 min Scan# 2928

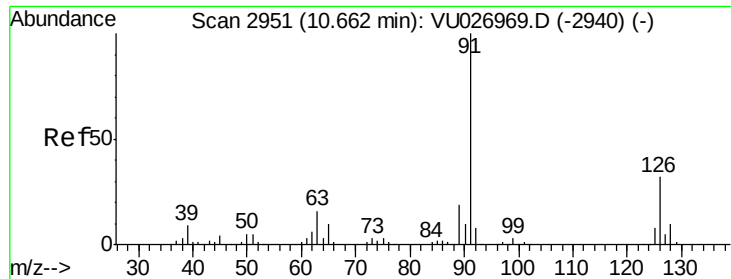
Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Tgt Ion:	91	Resp:	137825
Ion	Ratio	Lower	Upper
91	100		
120	20.4	10.6	31.8





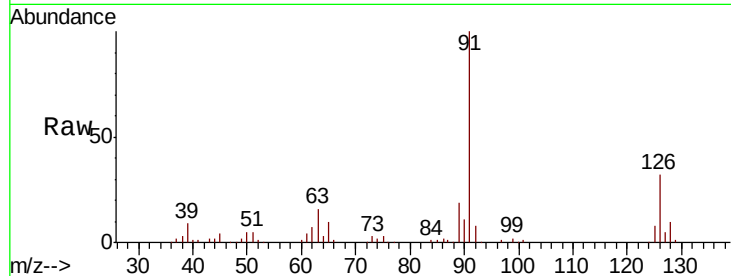
#79
2-Chlorotoluene
Concen: 20.469 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampled :
VU0922WBS02

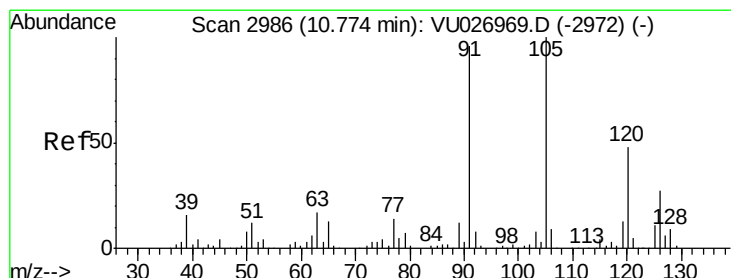
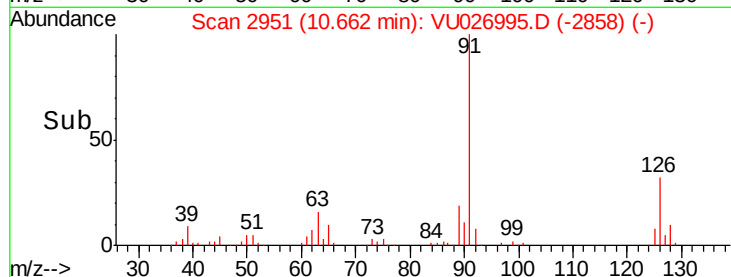
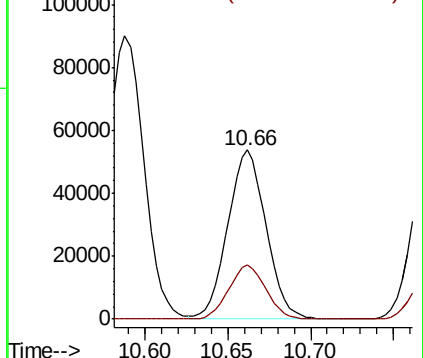
Tot Ion: 91 Resp: 85241
Ion Ratio Lower Upper
91 100
126 31.5 15.8 47.3

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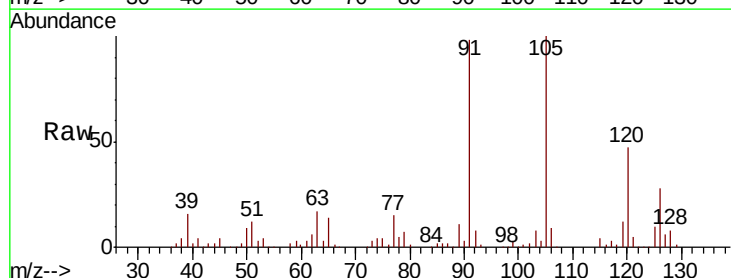


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)
Ion 125.90 (125.60 to 126.60): VU026969.D (-2940) (-)

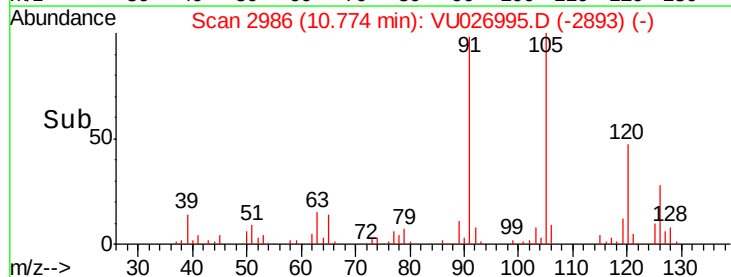
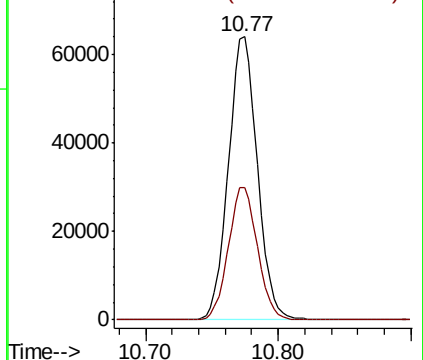


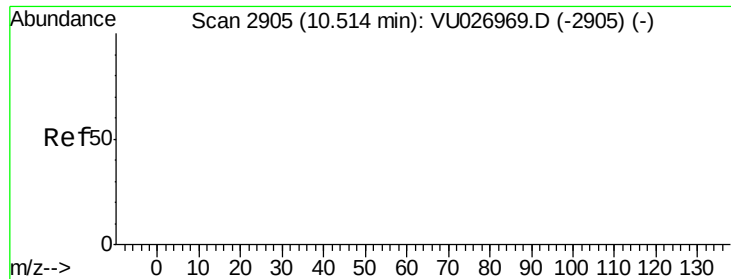
#80
1,3,5-Trimethylbenzene
Concen: 20.998 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Tgt Ion: 105 Resp: 97125
Ion Ratio Lower Upper
105 100
120 47.0 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-2972) (-)
Ion 120.00 (119.70 to 120.70): VU026969.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.425 ug/l

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU026995.D

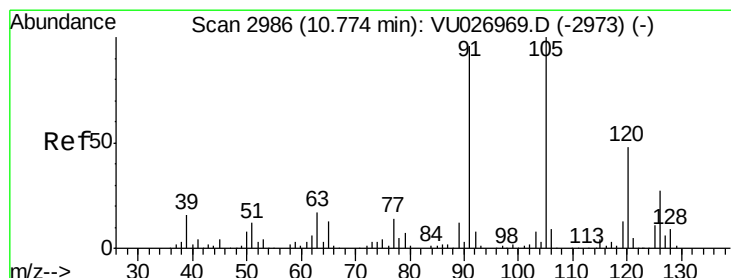
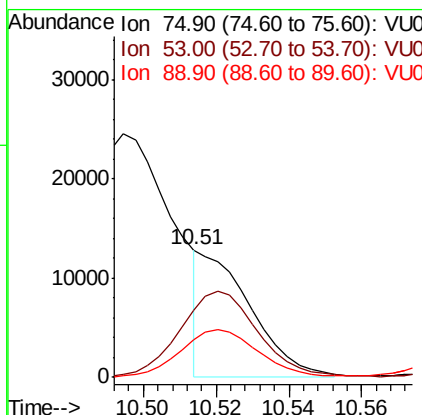
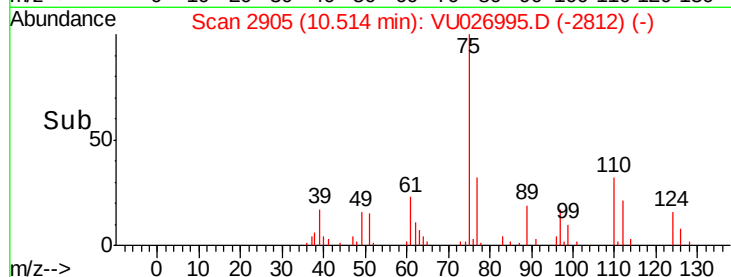
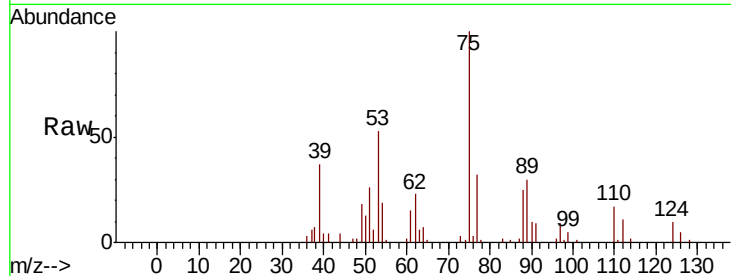
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS02

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: 20.580 ug/l

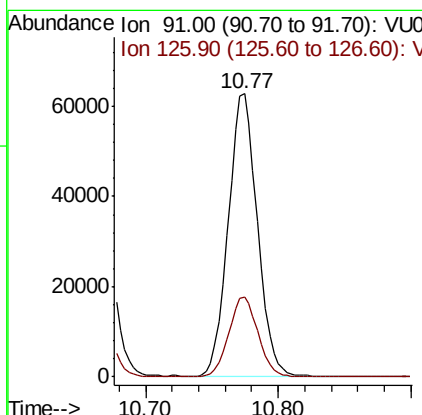
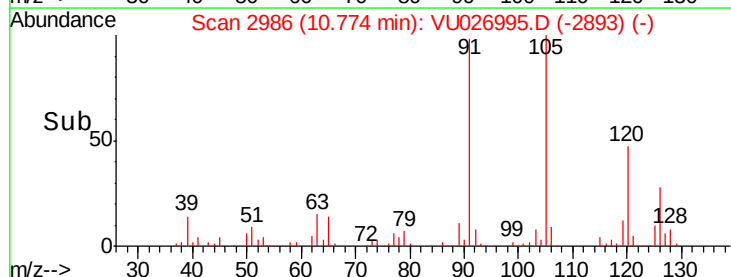
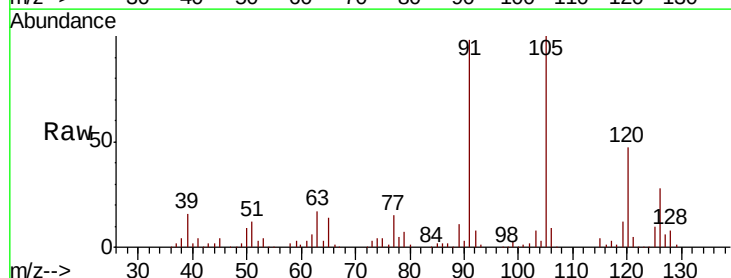
RT: 10.77 min Scan# 2986

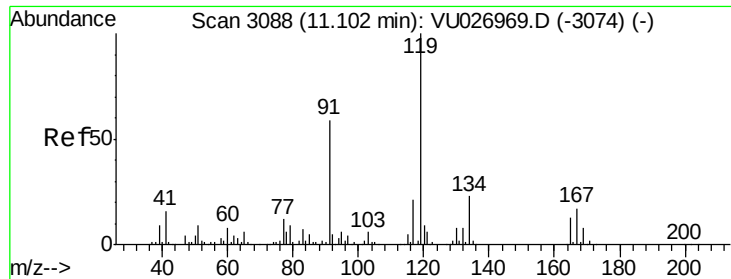
Delta R.T. 0.00 min

Lab File: VU026995.D

Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.1	42.2





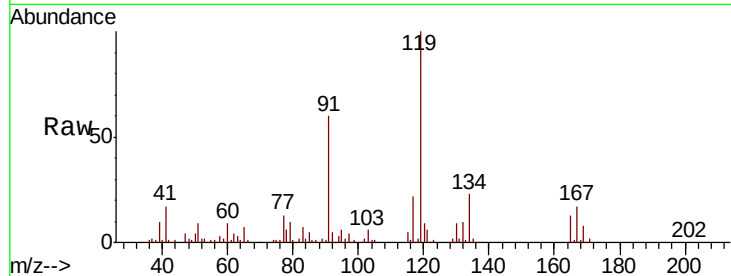
#83
 tert-Butylbenzene
 Concen: 19.955 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	91254		
91	59.9	29.8	89.4	
134	22.7	11.5	34.4	

Manual Integrations
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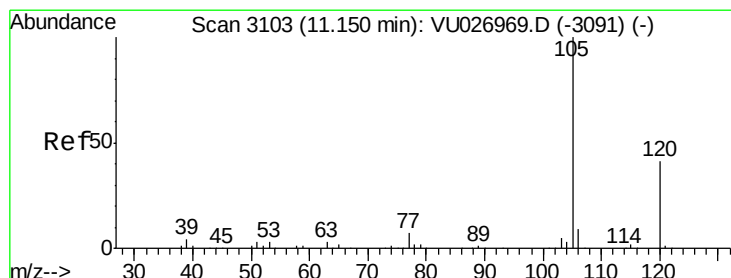
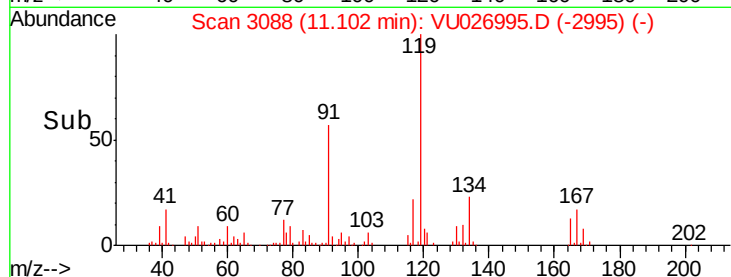
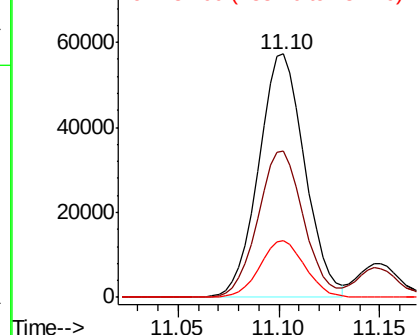


Abundance

Ion 119.00 (118.70 to 119.70): V

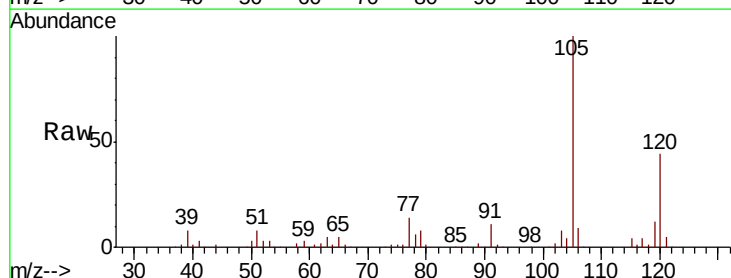
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 20.853 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

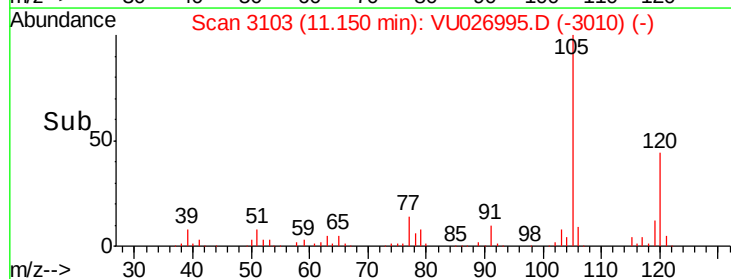
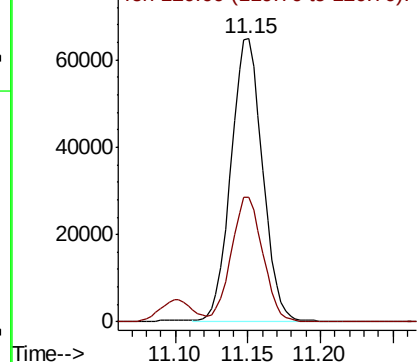
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	98160		
120	44.0	22.4	67.2	

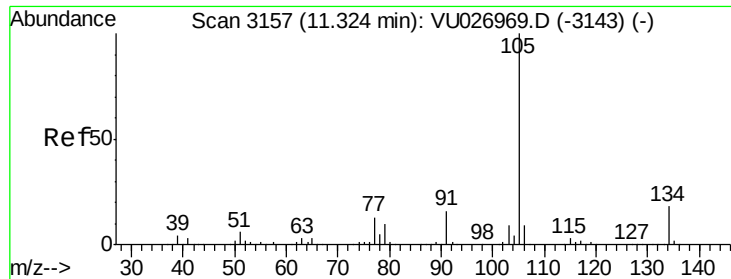


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





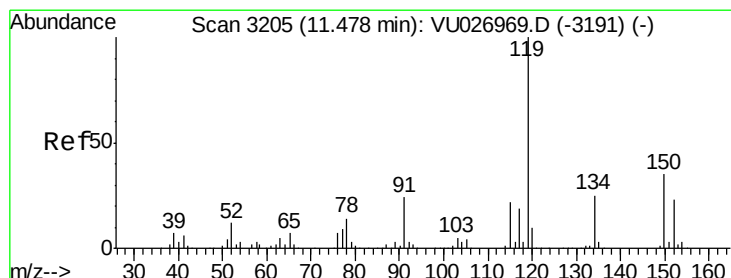
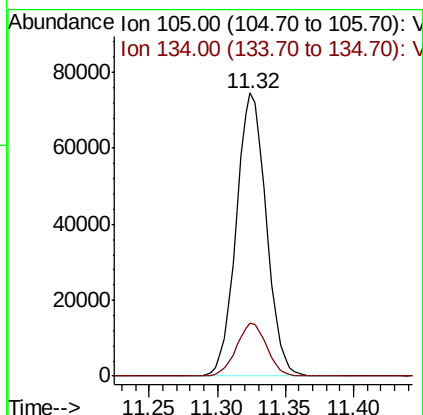
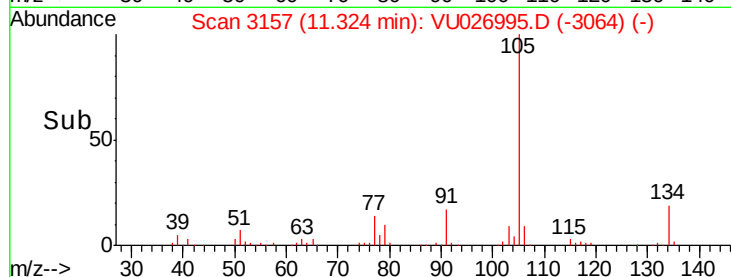
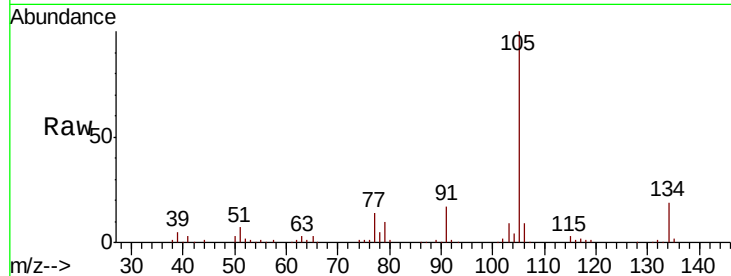
#85
 sec-Butylbenzene
 Concen: 20.378 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.4	28.2

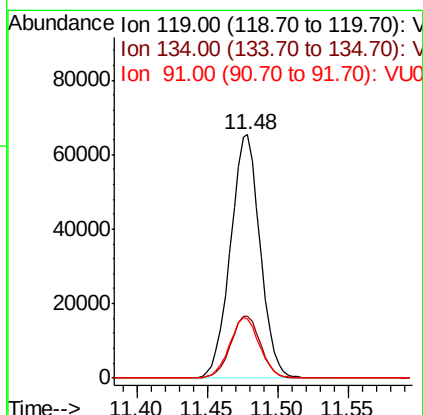
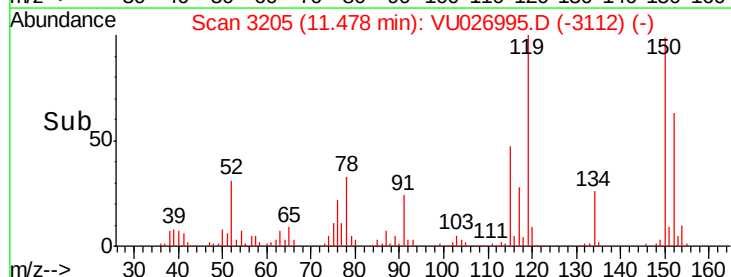
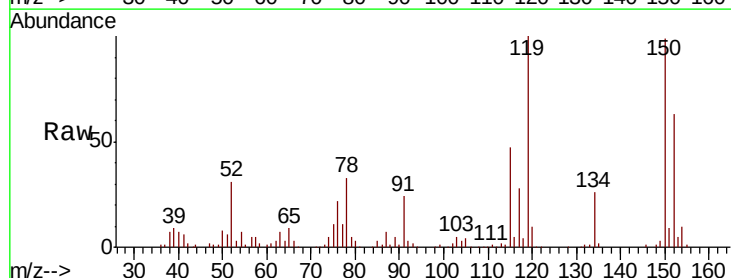
Manual Integrations
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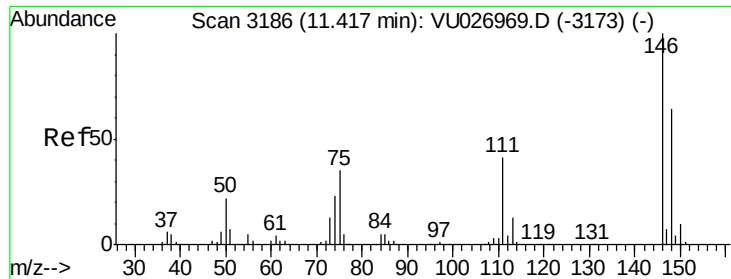
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#86
 p-Isopropyltoluene
 Concen: 18.956 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.3
91	25.0	12.3	36.8





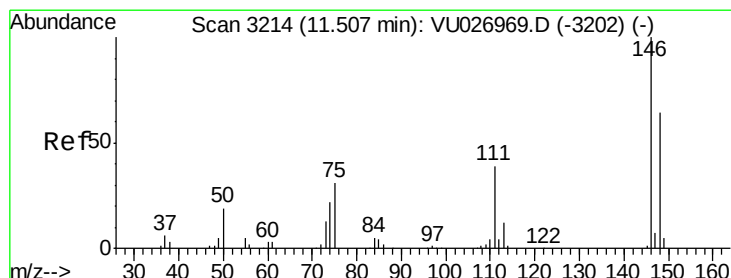
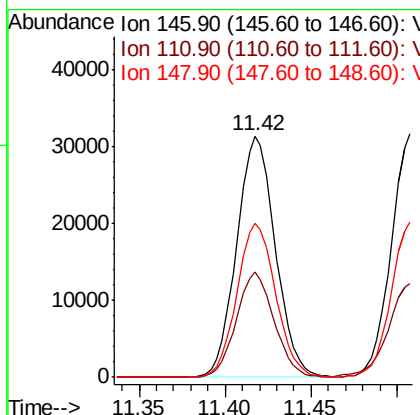
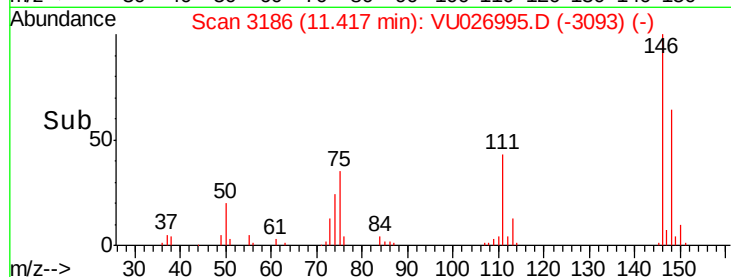
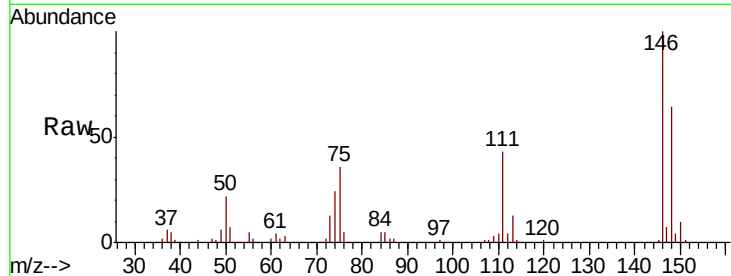
#87
 1,3-Dichlorobenzene
 Concen: 19.237 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.8	62.2
148	63.9	32.0	96.2

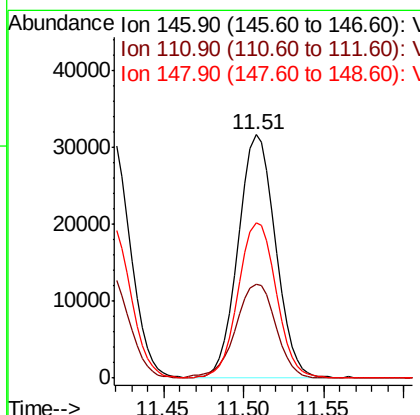
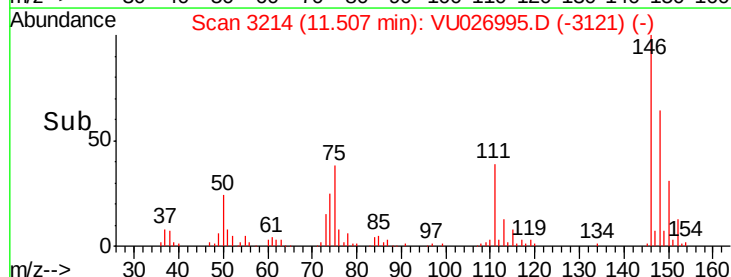
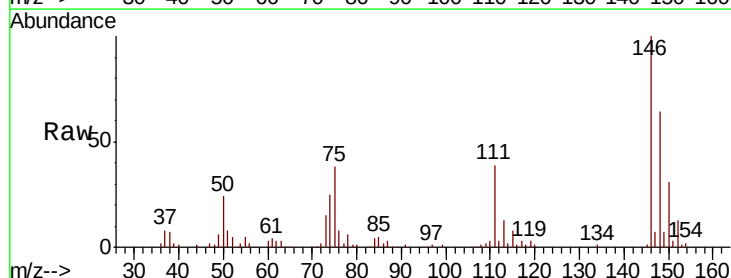
Manual Integrations
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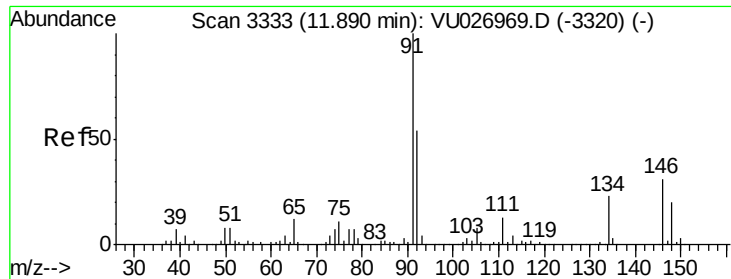
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#88
 1,4-Dichlorobenzene
 Concen: 17.944 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.3	60.9
148	66.0	31.9	95.9





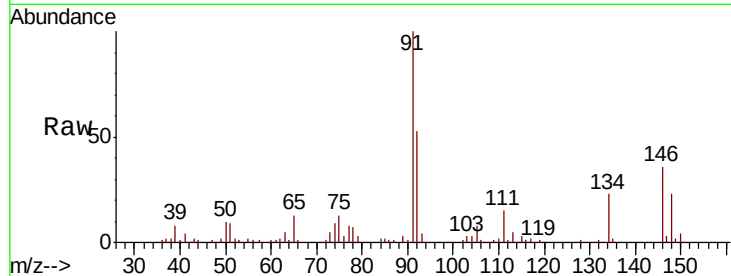
#89
n-Butylbenzene
Concen: 18.357 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.1	81.2
134	22.9	11.7	35.0

Manual Integrations
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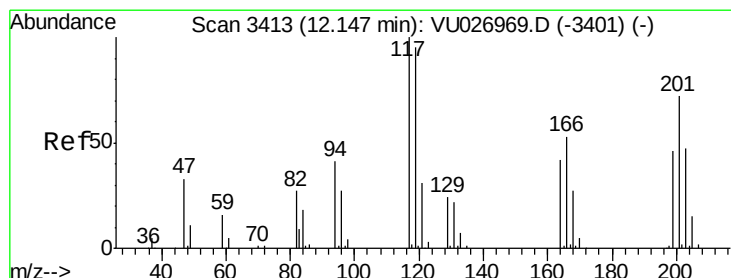
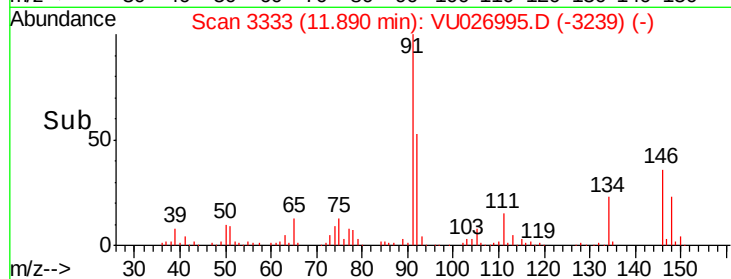
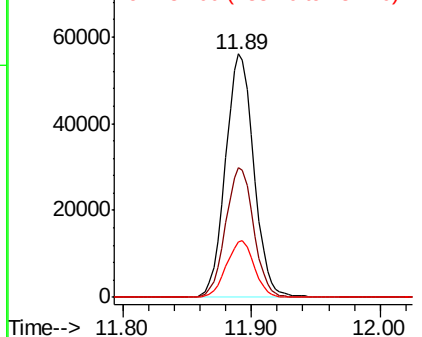


Abundance

Ion 91.00 (90.70 to 91.70): VU0

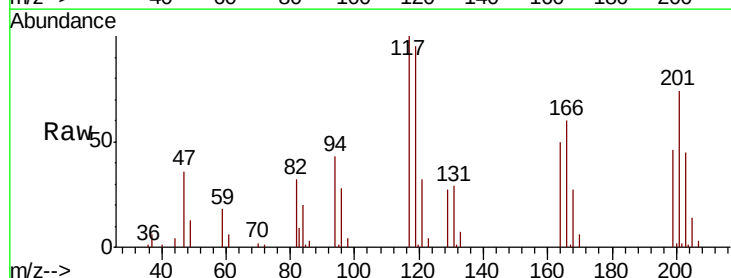
Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V



#90
Hexachloroethane
Concen: 18.126 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

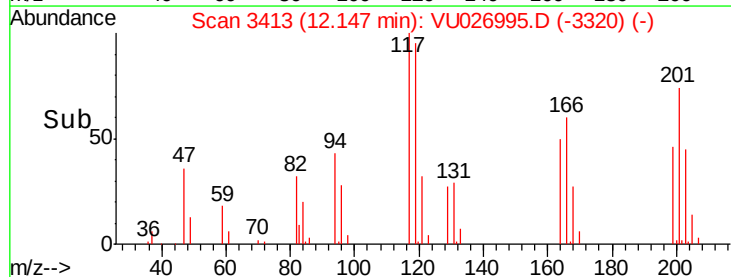
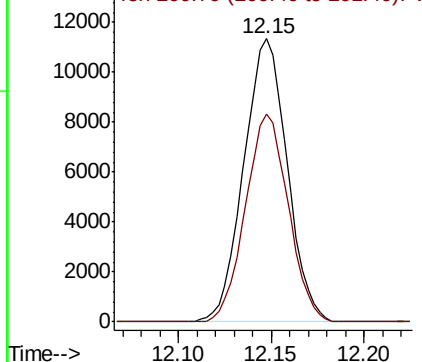
Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.3	36.8	110.3

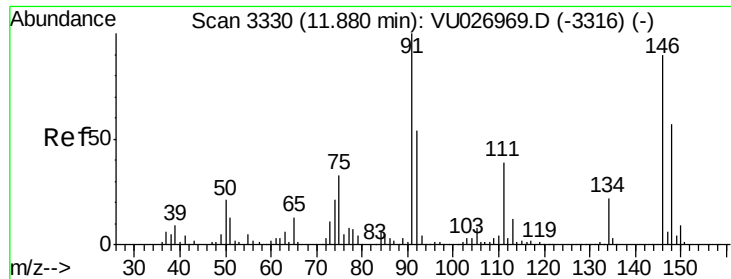


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





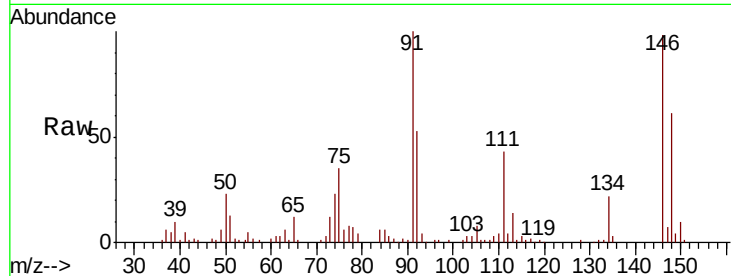
#91
 1,2-Dichlorobenzene
 Concen: 18.391 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.8	65.3
148	64.2	31.9	95.7

Manual Integrations
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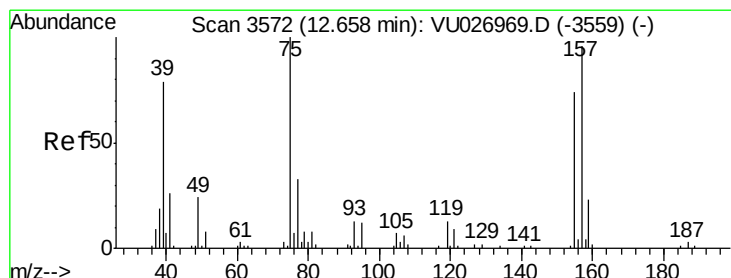
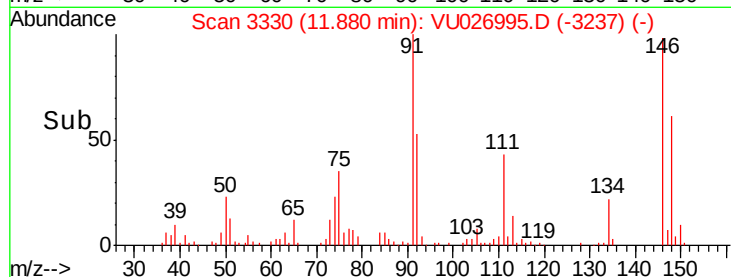
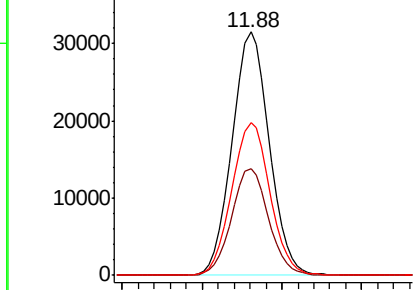


Abundance

Ion 145.90 (145.60 to 146.60): V

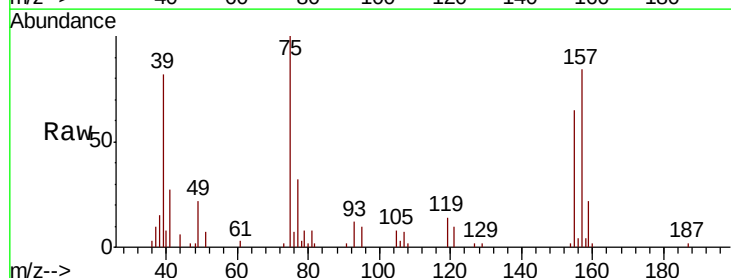
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.314 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.1	36.6	109.8
157	89.9	47.4	142.2

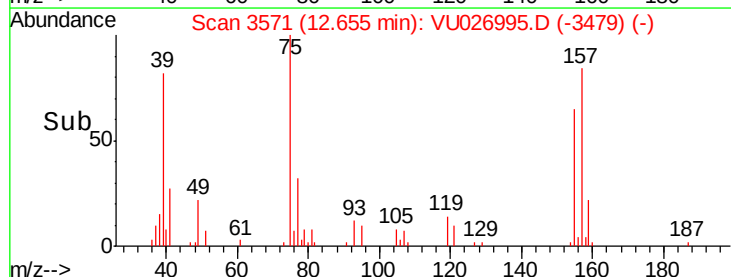
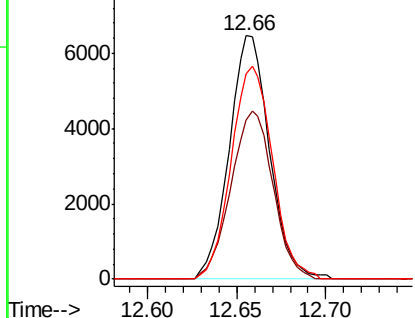


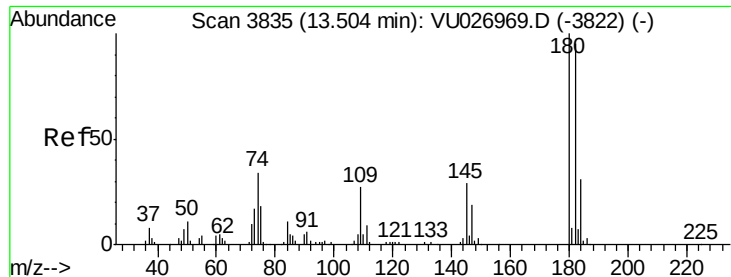
Abundance

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





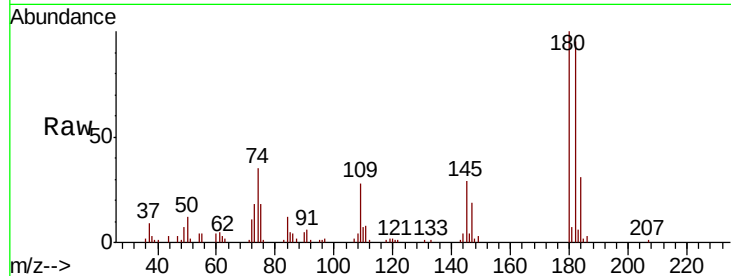
#93
 1,2,4-Trichlorobenzene
 Concen: 19.149 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS02

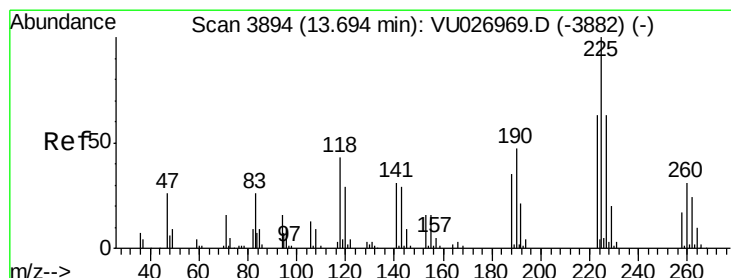
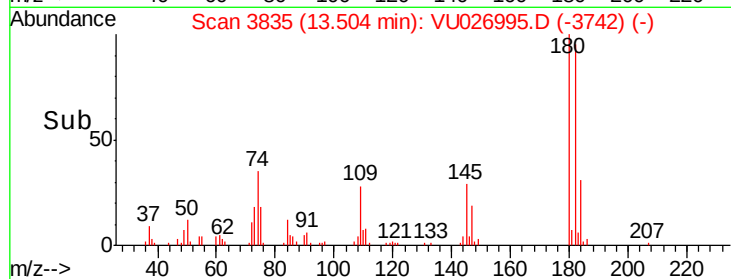
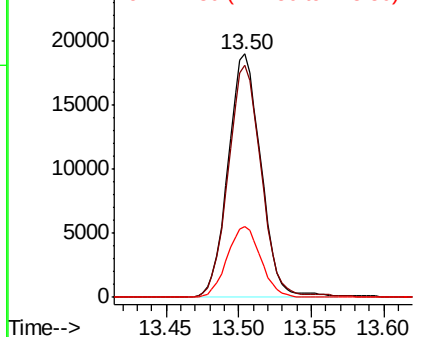
Tot Ion:	180	Resp:	29868
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.4	142.2
145	29.6	14.9	44.5

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:17 PM

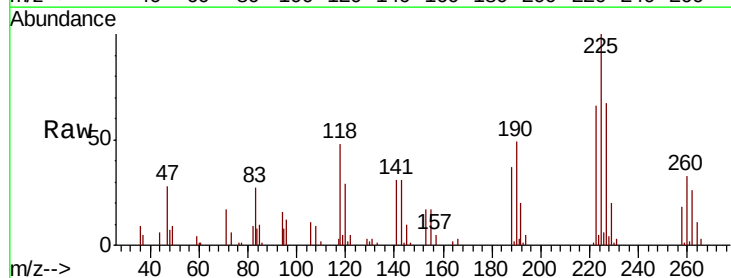


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

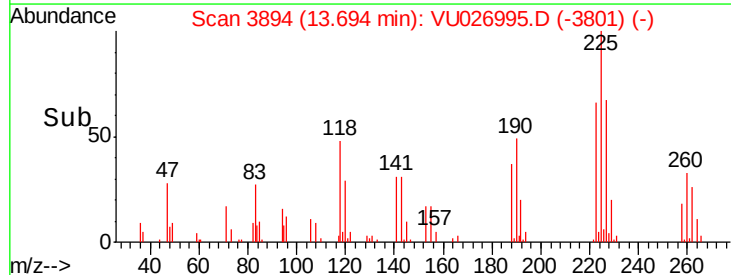
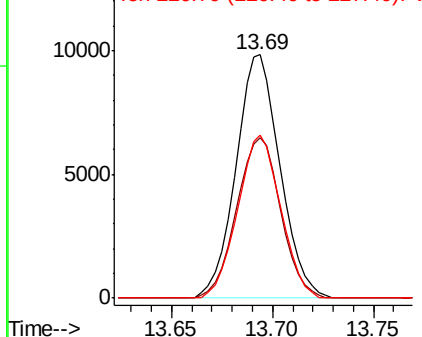


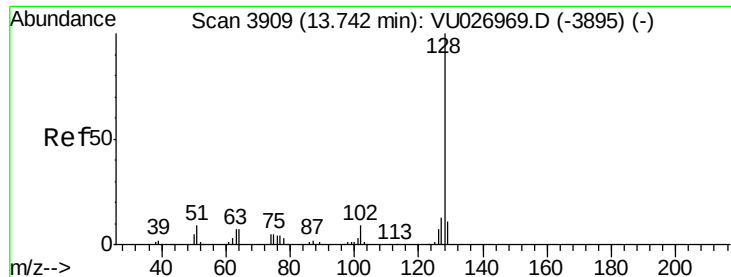
#94
 Hexachlorobutadiene
 Concen: 18.253 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026995.D
 Acq: 22 Sep 2018 04:35

Tgt Ion:	225	Resp:	15064
Ion Ratio	Lower	Upper	
225	100		
223	66.1	31.9	95.7
227	64.9	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





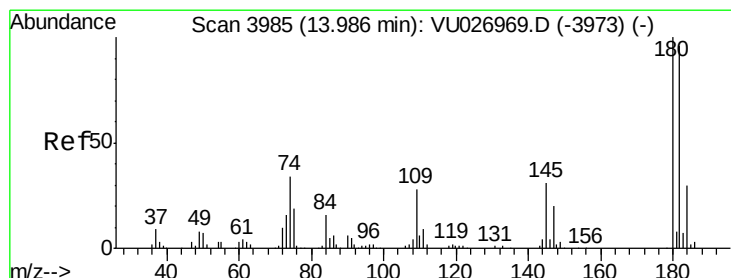
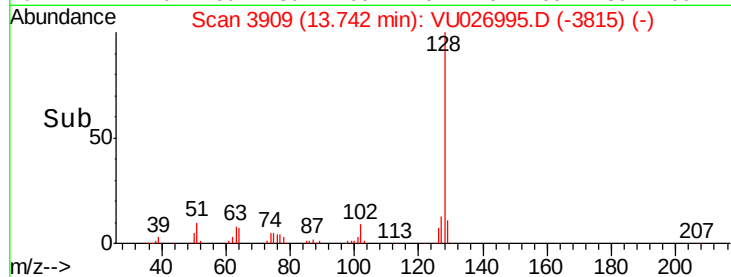
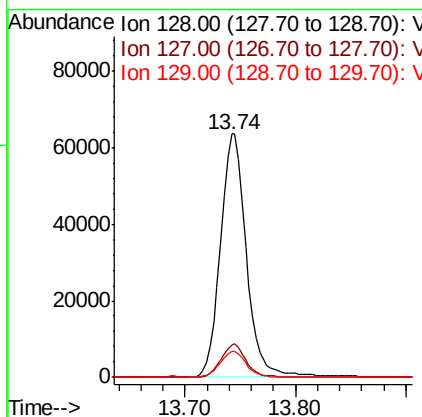
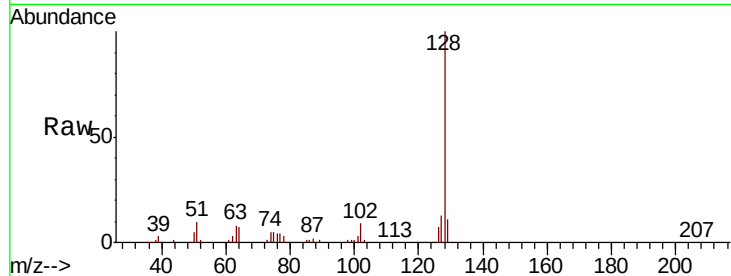
#95
Naphthalene
Concen: 18.159 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:14:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.630 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU026995.D
Acq: 22 Sep 2018 04:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.5
145	31.3	15.4	46.4

