

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027139.D
 Acq On : 25 Sep 2018 20:17
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:33:15 PM

Quant Time: Sep 26 06:15:41 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	4.98	168	80974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	136076	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	133287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74589	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	84019	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	4.88	113	58060	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	7.57	98	225667	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	10.31	95	81094	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	46752	44.221	ug/l	98
3) Chloromethane	1.33	50	81706	44.825	ug/l	100
4) Vinyl Chloride	1.40	62	76531	44.980	ug/l	99
5) Bromomethane	1.61	94	40308	41.601	ug/l	99
6) Chloroethane	1.69	64	49284	45.334	ug/l	98
7) Trichlorofluoromethane	1.88	101	90339	46.748	ug/l	99
8) Diethyl Ether	2.10	74	43936	47.235	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	55236	46.487	ug/l	98
10) Methyl Iodide	2.41	142	37266	25.288	ug/l	98
11) Tert butyl alcohol	2.83	59	94582	253.200	ug/l	100
12) 1,1-Dichloroethene	2.28	96	50199	44.886	ug/l	95
13) Acrolein	2.19	56	34904	173.335	ug/l	99
14) Allyl chloride	2.59	41	118602	52.286	ug/l	97
15) Acrylonitrile	2.94	53	241716	256.740	ug/l	98
16) Acetone	2.32	43	222117	257.042	ug/l	98
17) Carbon Disulfide	2.48	76	153121	42.028	ug/l	100
18) Methyl Acetate	2.61	43	129654	55.894	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	215335	52.396	ug/l	99
20) Methylene Chloride	2.70	84	67738	46.410	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	56555	47.364	ug/l	96
22) Diisopropyl ether	3.57	45	271066	55.870	ug/l	98
23) Vinyl Acetate	3.52	43	1137280	274.989	ug/l	99
24) 1,1-Dichloroethane	3.45	63	135883	50.851	ug/l	99
25) 2-Butanone	4.26	43	352638	257.473	ug/l	98
26) 2,2-Dichloropropane	4.23	77	98376	47.207	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	66634	49.415	ug/l	97
28) Bromochloromethane	4.55	49	73003	56.675	ug/l	95
29) Tetrahydrofuran	4.64	42	228284	275.532	ug/l	95
30) Chloroform	4.67	83	121986	49.180	ug/l	100
31) Cyclohexane	5.00	56	118917	48.944	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	99998	50.494	ug/l	99
36) 1,1-Dichloropropene	5.14	75	89001	49.007	ug/l	98
37) Ethyl Acetate	4.38	43	124937	50.818	ug/l	99
38) Carbon Tetrachloride	5.13	117	84193	48.716	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	100063	50.701	ug/l	97
40) Benzene	5.39	78	270370	48.972	ug/l	100
41) Methacrylonitrile	4.54	41	71809	56.241	ug/l	98
42) 1,2-Dichloroethane	5.40	62	105666	50.658	ug/l	99
43) Isopropyl Acetate	5.55	43	195725	54.589	ug/l	98
44) Trichloroethene	6.19	130	56992	48.490	ug/l	99
45) 1,2-Dichloropropane	6.43	63	81910	52.069	ug/l	99
46) Dibromomethane	6.56	93	45390	47.776	ug/l	99
47) Bromodichloromethane	6.76	83	94637	49.263	ug/l	98
48) Methyl methacrylate	6.62	41	100985	51.713	ug/l	96
49) 1,4-Dioxane	6.61	88	39450	1017.949	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	671850	278.612	ug/l	98
52) Toluene	7.64	92	161014	50.880	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	107875	52.264	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	118466	52.200	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	67582	50.400	ug/l	99
56) Ethyl methacrylate	8.02	69	111923	48.189	ug/l	97
57) 1,3-Dichloropropane	8.24	76	127918	51.291	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	327392	247.990	ug/l	98
59) 2-Hexanone	8.36	43	507038	268.614	ug/l	99
60) Dibromochloromethane	8.48	129	66966	50.914	ug/l	97
61) 1,2-Dibromoethane	8.59	107	68958	49.426	ug/l	99
64) Tetrachloroethene	8.23	164	48008	46.743	ug/l	98
65) Chlorobenzene	9.12	112	168128	47.573	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	61158	50.242	ug/l	99
67) Ethyl Benzene	9.25	91	303259	52.183	ug/l	100
68) m/p-Xylenes	9.38	106	227182	96.579	ug/l	98
69) o-Xylene	9.78	106	109133	53.001	ug/l	99
70) Styrene	9.79	104	183304	47.762	ug/l	98
71) Bromoform	9.96	173	47473	50.432	ug/l #	98
73) Isopropylbenzene	10.17	105	299009	52.699	ug/l	100
74) N-amyl acetate	10.02	43	175199	53.344	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	118757	45.523	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	109028m	48.115	ug/l	
77) Bromobenzene	10.45	156	66880	48.236	ug/l	94
78) n-propylbenzene	10.59	91	370397	55.172	ug/l	99
79) 2-Chlorotoluene	10.66	91	217334	51.538	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	253003	54.018	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	34203m	48.304	ug/l	
82) 4-Chlorotoluene	10.77	91	247799	52.406	ug/l	99
83) tert-Butylbenzene	11.10	119	236586	51.092	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	260039	54.555	ug/l	99
85) sec-Butylbenzene	11.32	105	307929	54.476	ug/l	100
86) p-Isopropyltoluene	11.48	119	259883	49.017	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	126900	49.183	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	127172	45.224	ug/l	99
89) n-Butylbenzene	11.89	91	248778	48.463	ug/l	99
90) Hexachloroethane	12.15	117	49361	48.022	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	125899	45.936	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26563	49.913	ug/l	96

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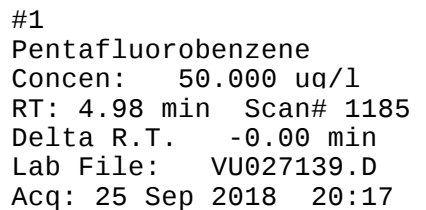
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	82990	52.545	ug/l	99
94) Hexachlorobutadiene	13.69	225	41878	50.112	ug/l	98
95) Naphthalene	13.75	128	286299	46.485	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	85974	50.760	ug/l	98

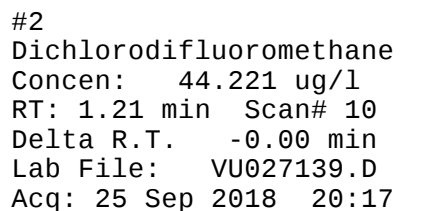
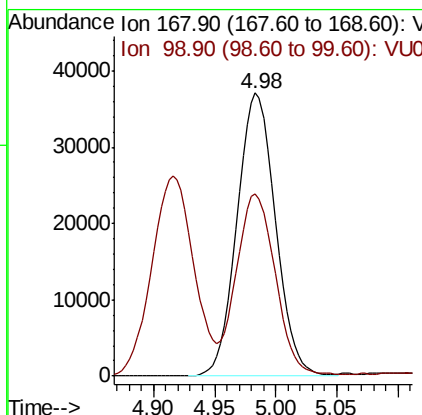
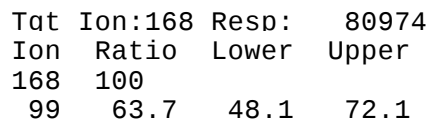
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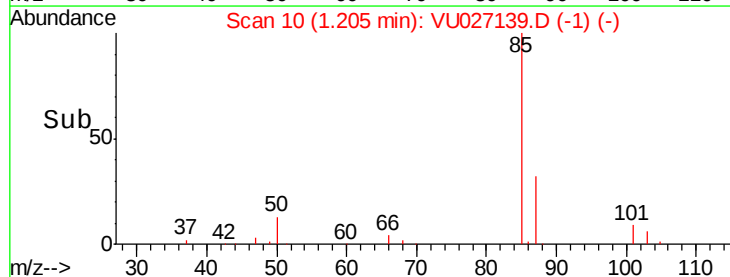
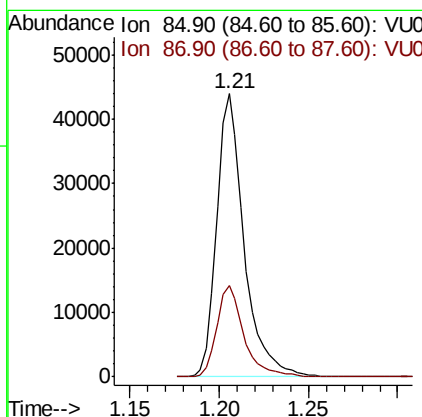
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Manual Integrations
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Tgt	Ion: 85	Resp:	46752
Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.6	46.7





#3

Chloromethane

Concen: 44.825 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 81706

Ion Ratio Lower Upper

50 100

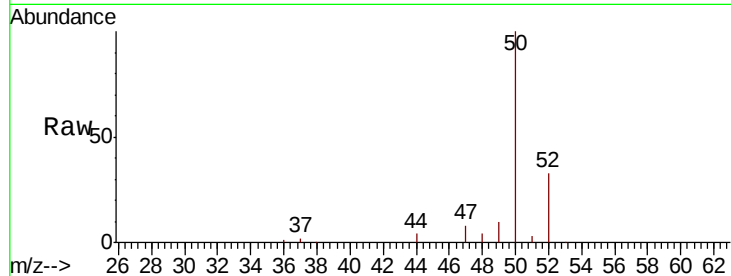
52 32.7 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU027139.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU027139.D (-1) (-)

1.33

80000

60000

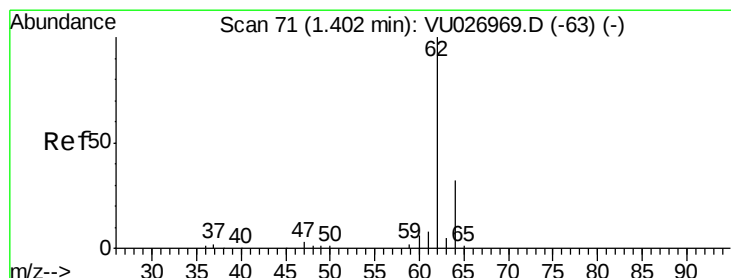
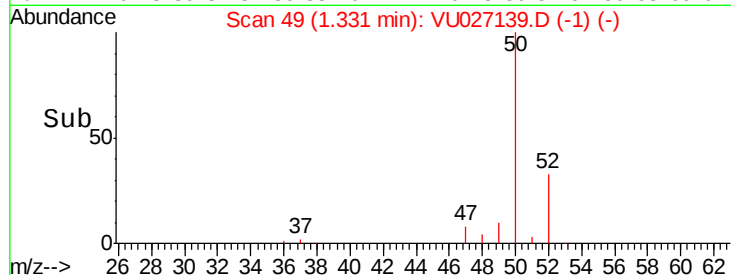
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 44.980 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027139.D

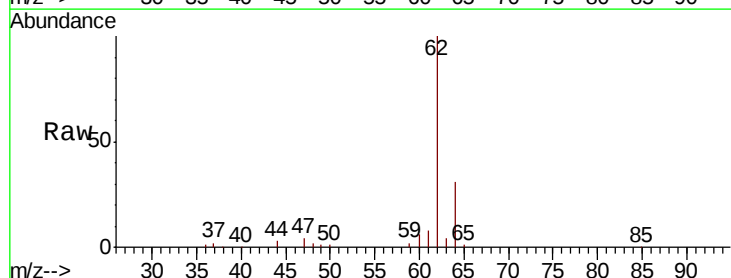
Acq: 25 Sep 2018 20:17

Tgt Ion: 62 Resp: 76531

Ion Ratio Lower Upper

62 100

64 31.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU027139.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU027139.D (-1) (-)

1.40

80000

60000

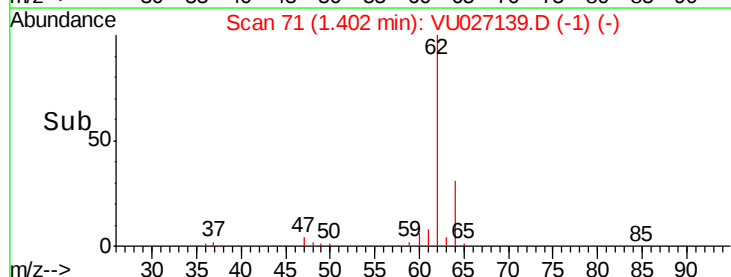
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20000

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1.35 1.40 1.45 1.50

Time-->





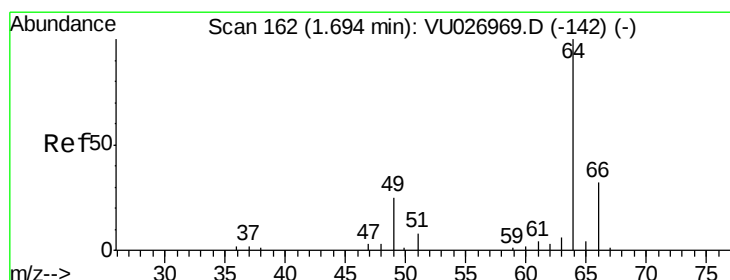
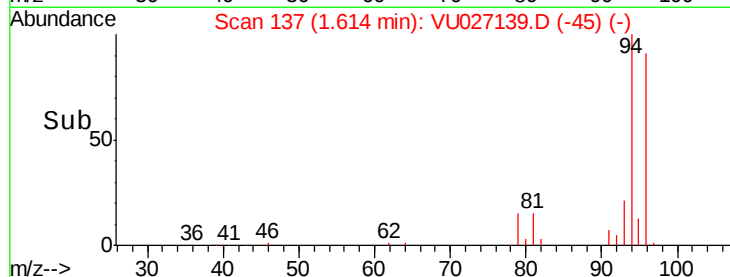
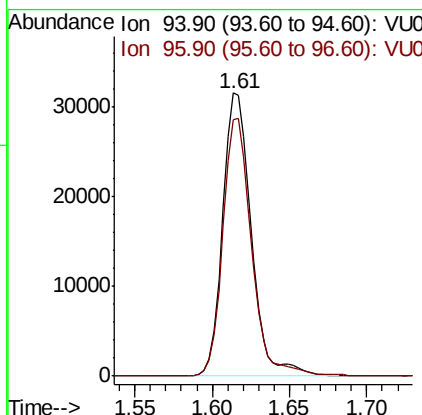
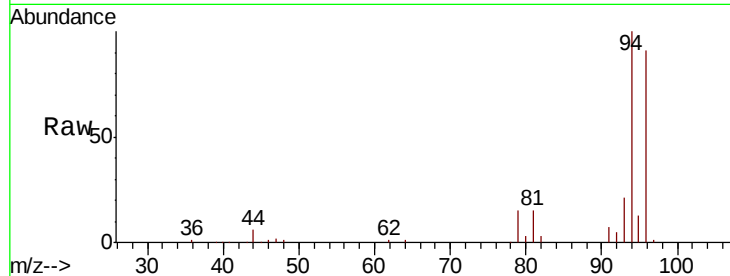
#5
Bromomethane
Concen: 41.601 ug/l
RT: 1.61 min Scan# 137
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 40308
Ion Ratio Lower Upper
94 100
96 90.7 73.2 109.8

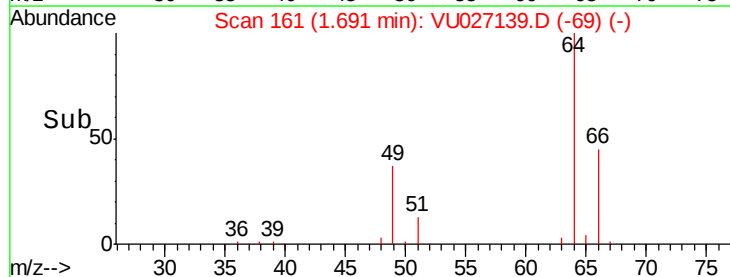
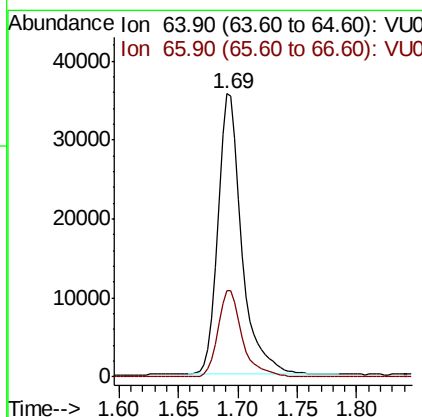
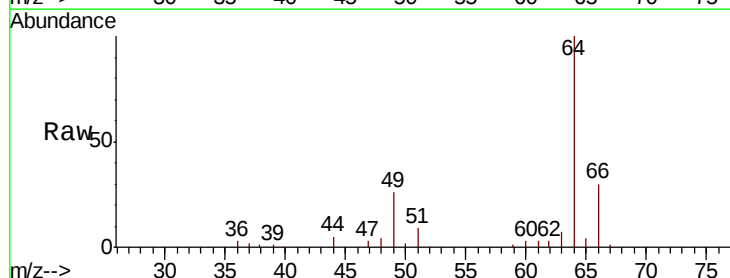
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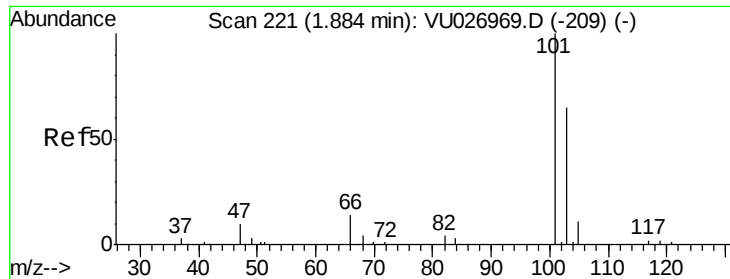
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#6
Chloroethane
Concen: 45.334 ug/l
RT: 1.69 min Scan# 161
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion: 64 Resp: 49284
Ion Ratio Lower Upper
64 100
66 30.7 25.3 37.9





#7

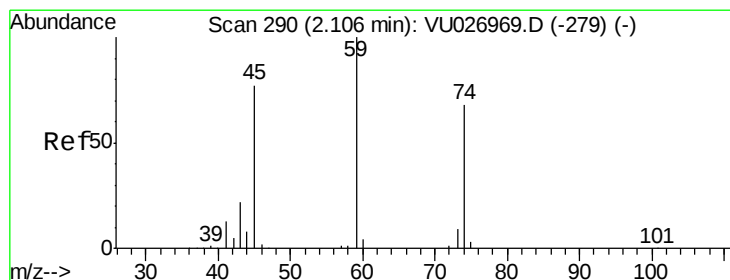
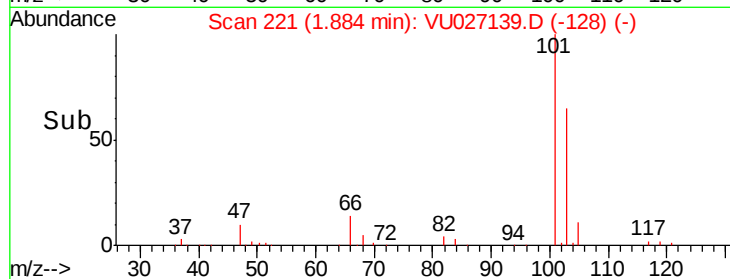
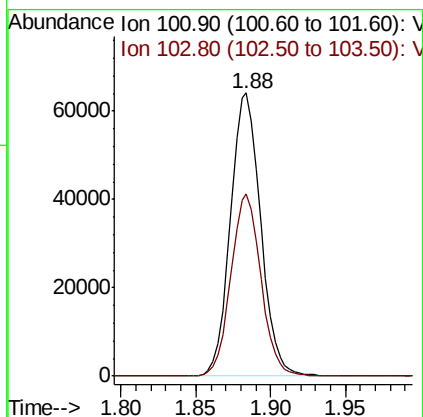
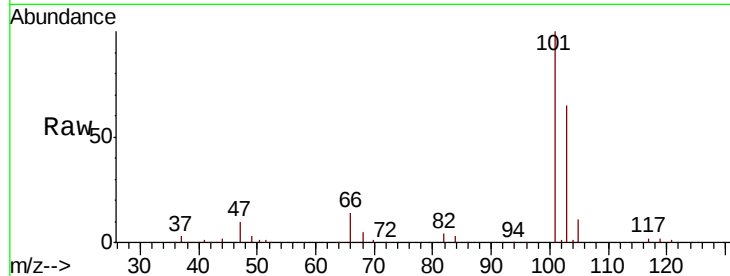
Trichlorofluoromethane
 Concen: 46.748 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Instrument :
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 VSTDCCC050

Tot Ion:101 Resp: 90339
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.2 78.2

Manual Integrations
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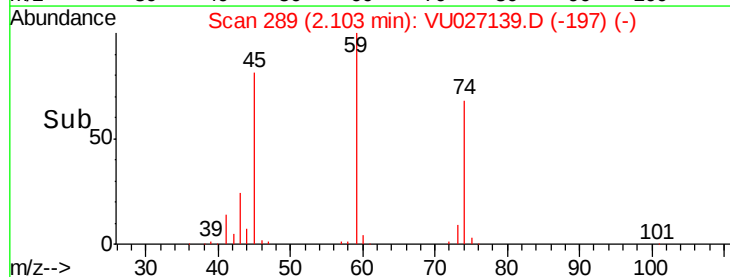
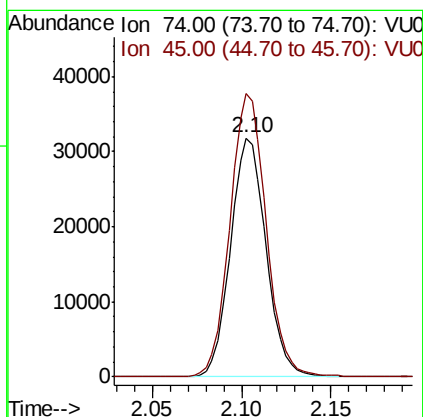
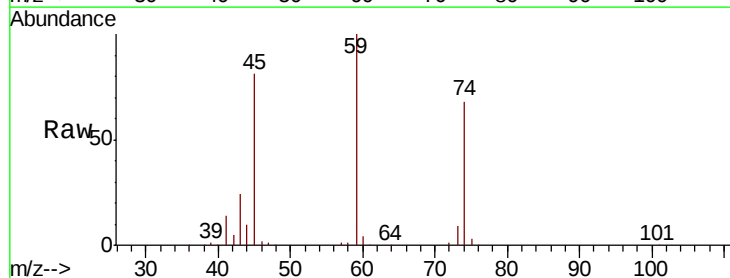
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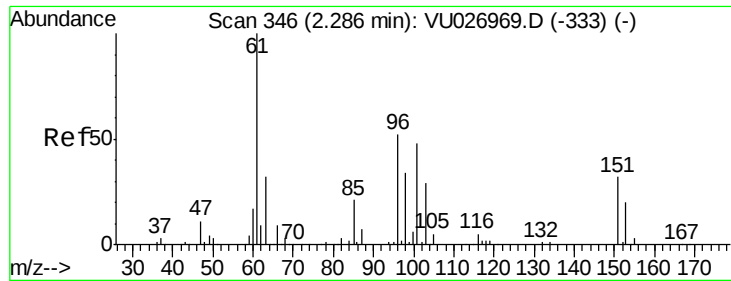


#8

Diethyl Ether
 Concen: 47.235 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion: 74 Resp: 43936
 Ion Ratio Lower Upper
 74 100
 45 121.2 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.487 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

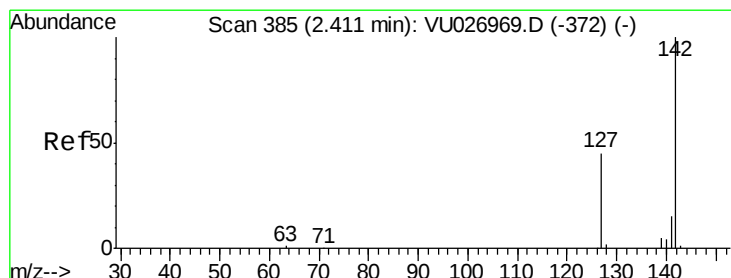
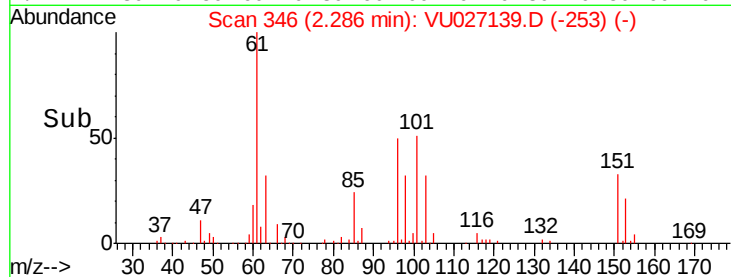
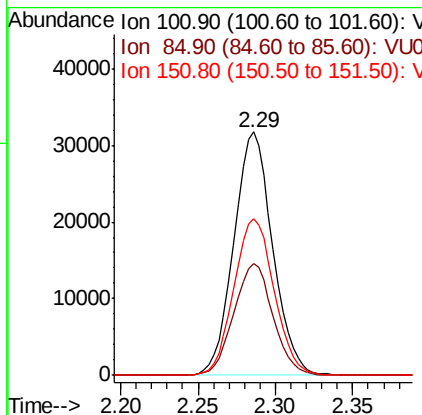
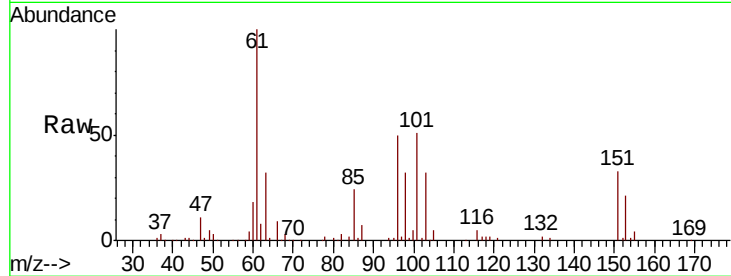
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	55236
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.2	54.2
151	66.7	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 25.288 ug/l

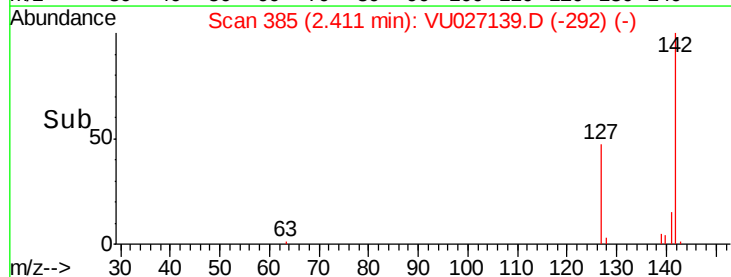
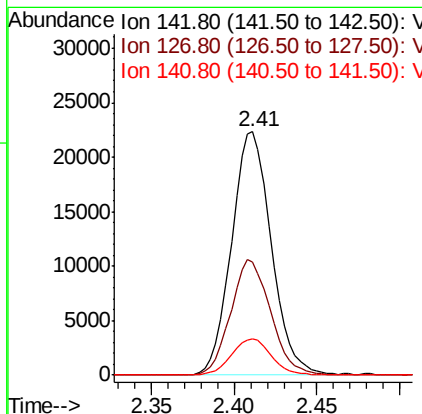
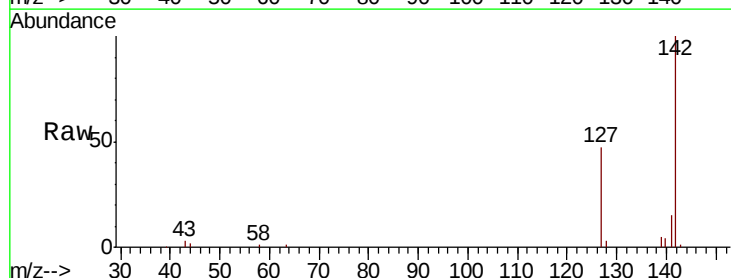
RT: 2.41 min Scan# 385

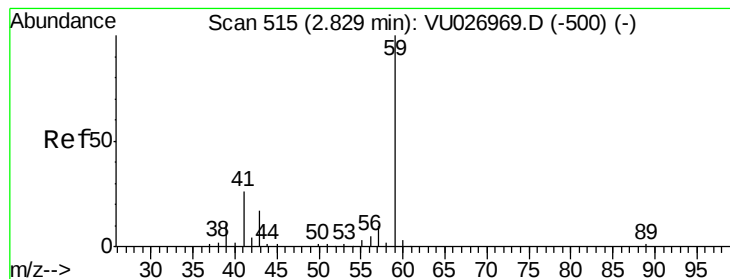
Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Tgt Ion:	142	Resp:	37266
Ion Ratio	Lower	Upper	
142	100		
127	47.6	36.7	55.1
141	14.9	11.8	17.6





#11

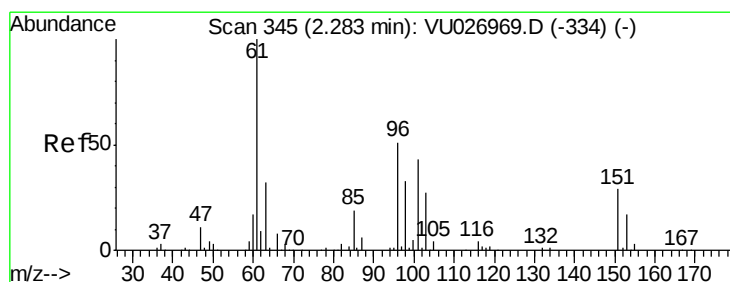
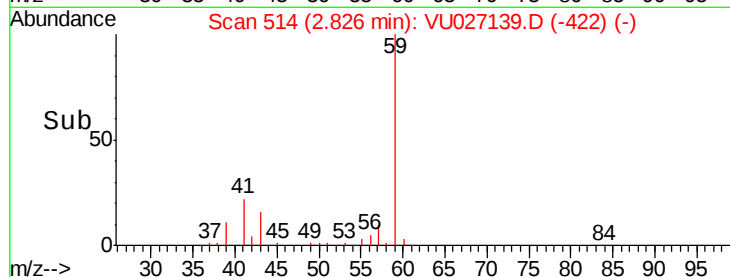
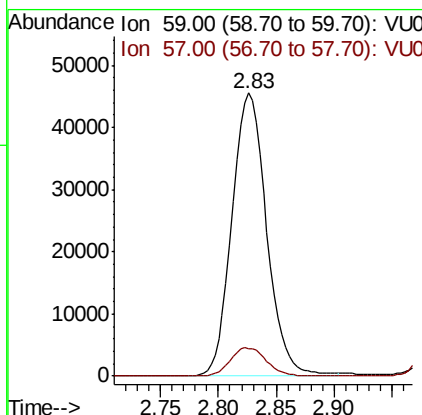
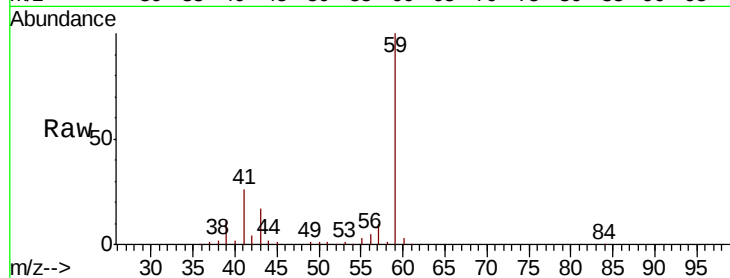
Tert butyl alcohol
 Concen: 253.200 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

Manual Integrations
 APPROVED

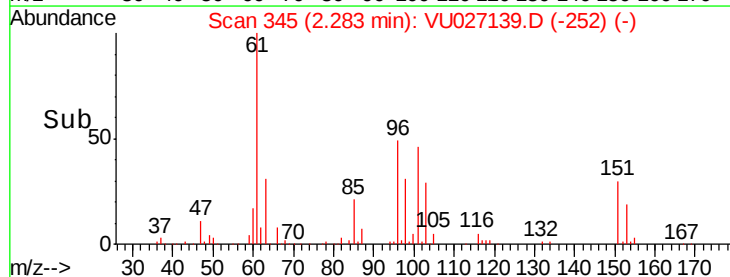
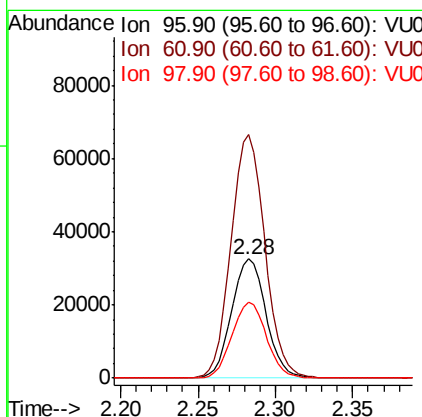
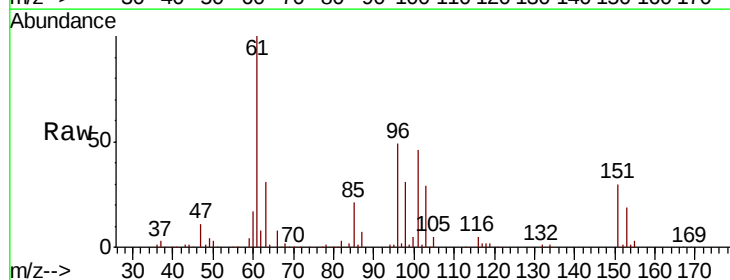
MMDadoda
 9/27/2018 3:33:15 PM

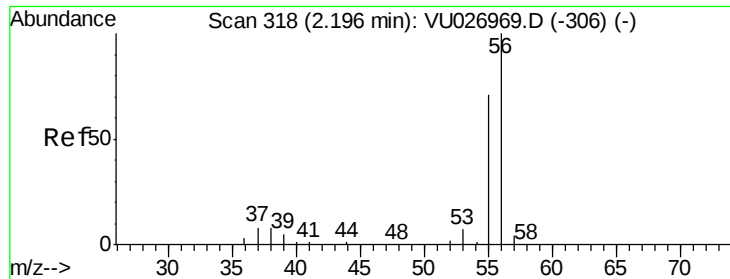


#12

1,1-Dichloroethene
 Concen: 44.886 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	204.6	156.1	234.1
98	63.6	51.4	77.0





#13

Acrolein

Concen: 173.335 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 34904

Ion Ratio Lower Upper

56 100

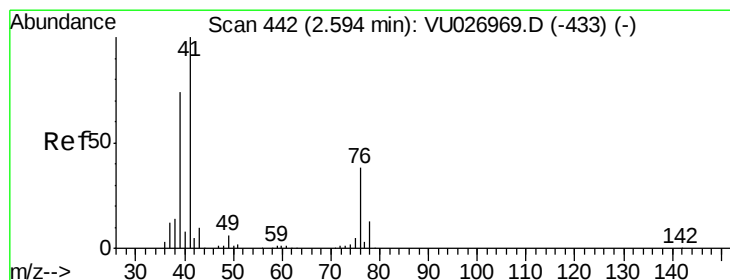
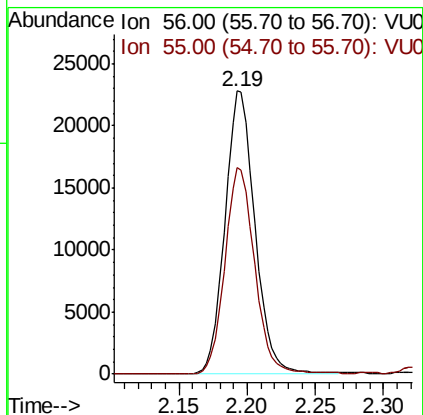
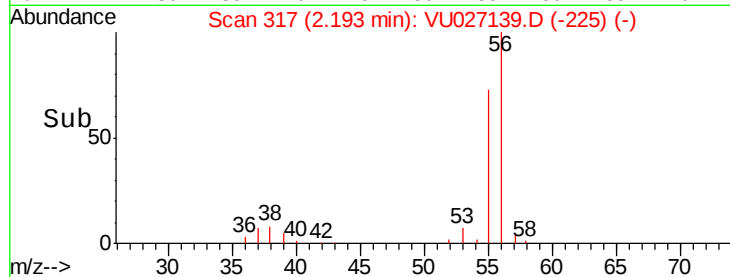
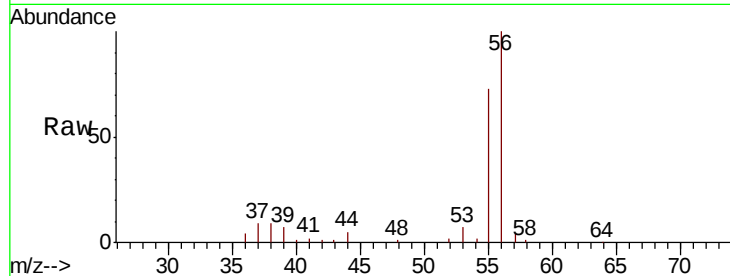
55 72.4 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 52.286 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

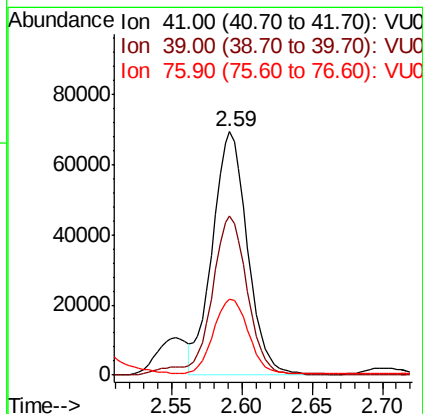
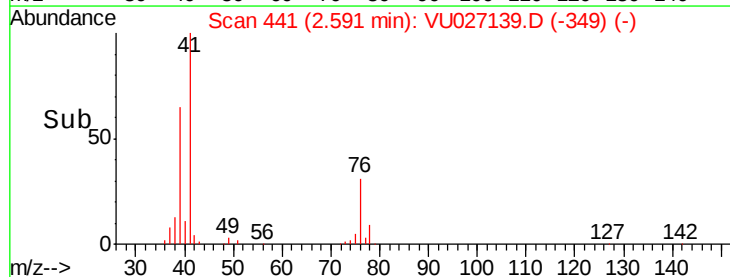
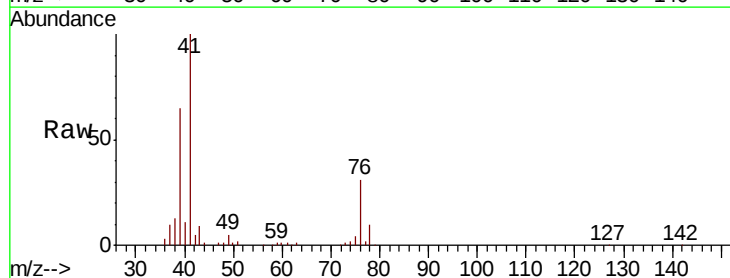
Tgt Ion: 41 Resp: 118602

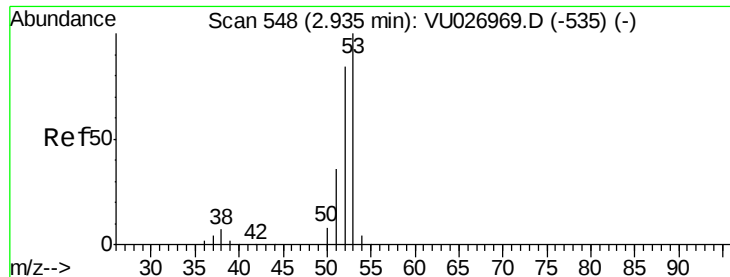
Ion Ratio Lower Upper

41 100

39 67.7 55.7 83.5

76 30.9 26.5 39.7





#15

Acrylonitrile

Concen: 256.740 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

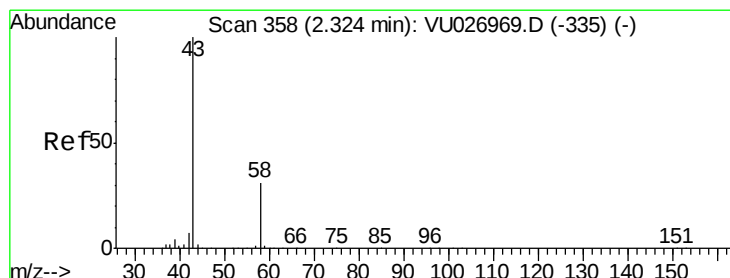
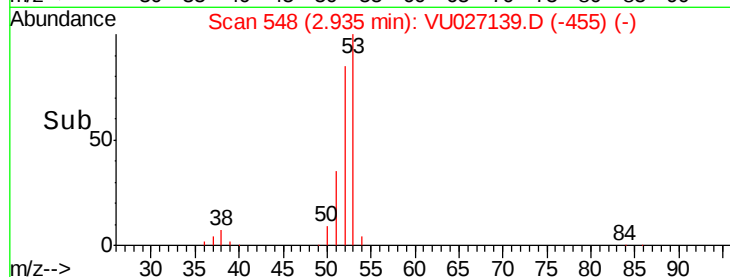
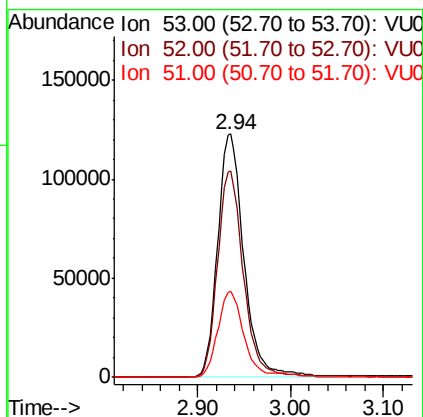
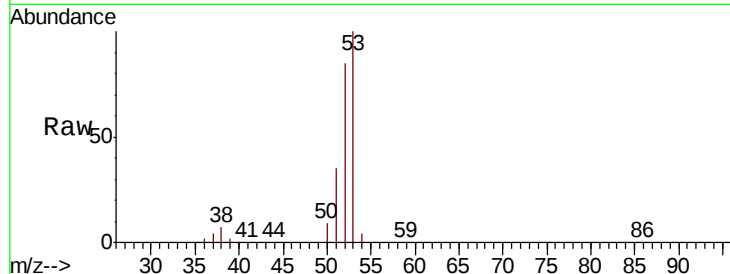
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	241716
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.7	98.5
51	36.0	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 257.042 ug/l

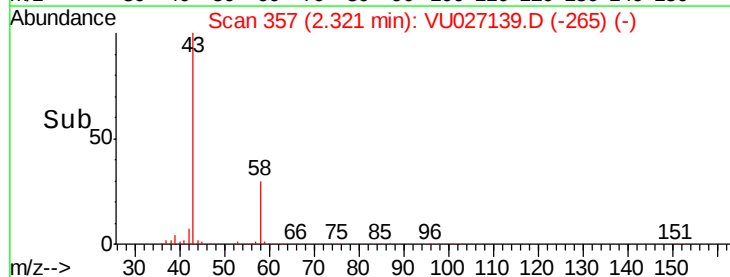
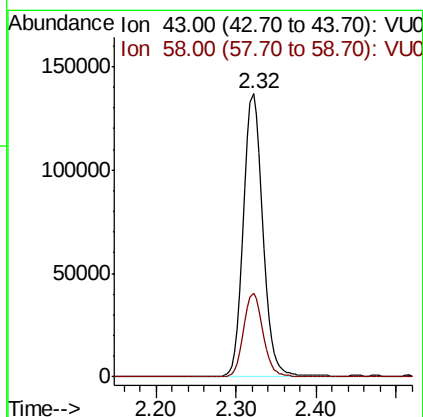
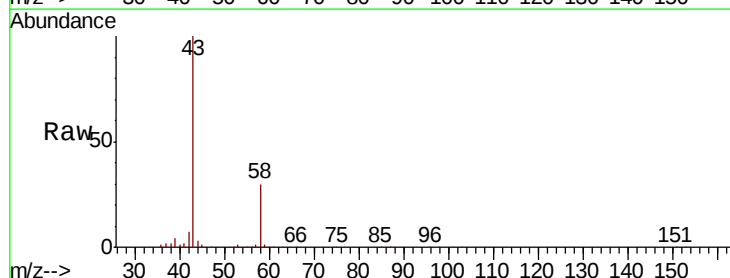
RT: 2.32 min Scan# 357

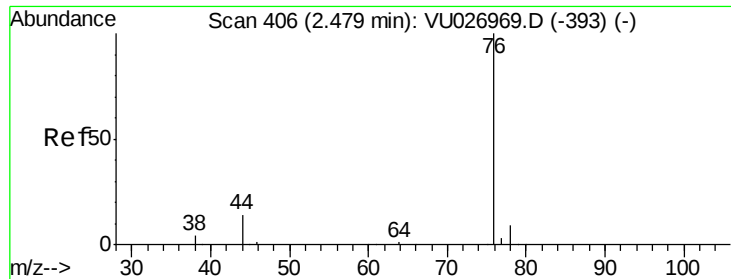
Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Tgt Ion:	43	Resp:	222117
Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.6	36.8





#17

Carbon Disulfide

Concen: 42.028 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 153121

Ion Ratio Lower Upper

76 100

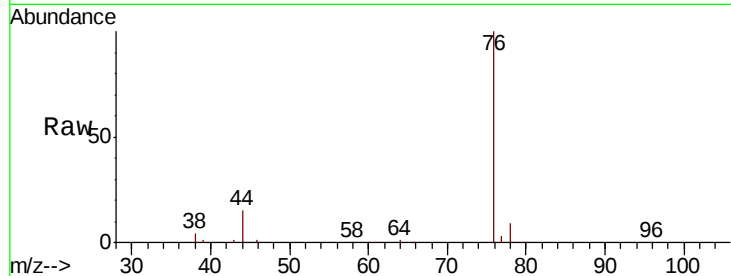
78 8.8 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

100000

80000

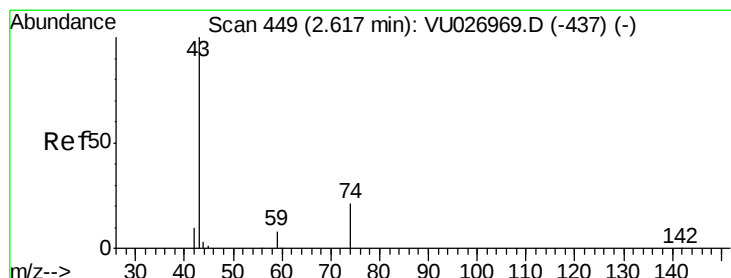
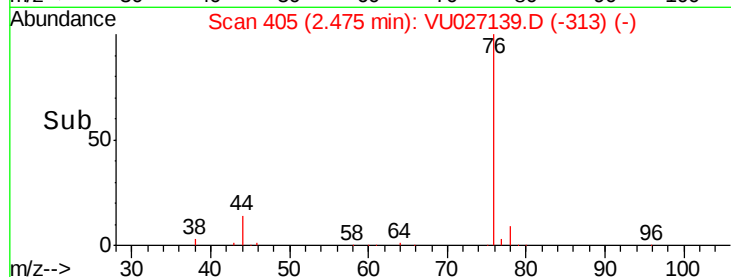
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 55.894 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU027139.D

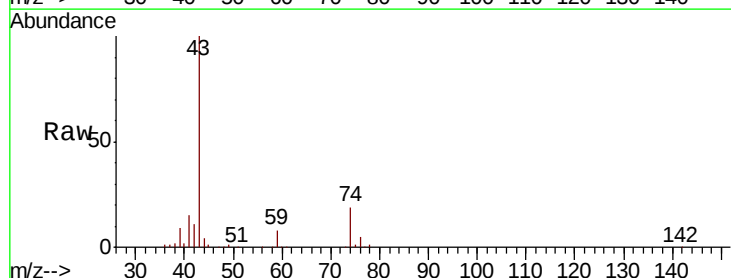
Acq: 25 Sep 2018 20:17

Tgt Ion: 43 Resp: 129654

Ion Ratio Lower Upper

43 100

74 19.5 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.61

80000

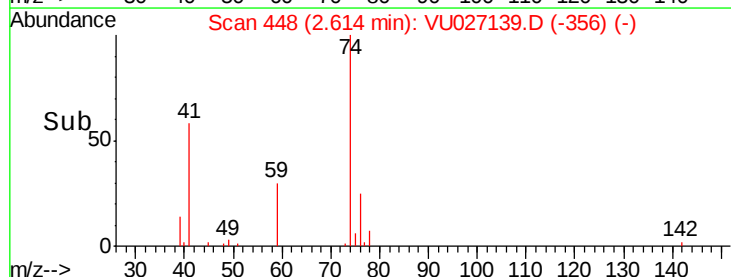
60000

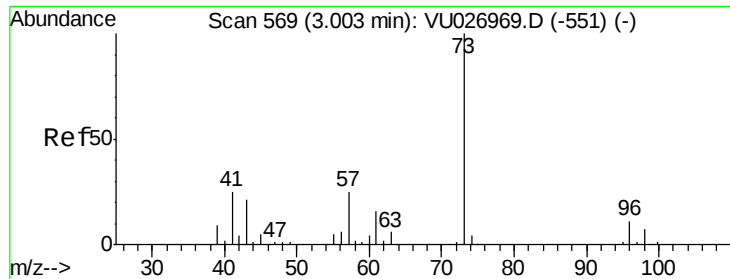
40000

20000

0

Time-->





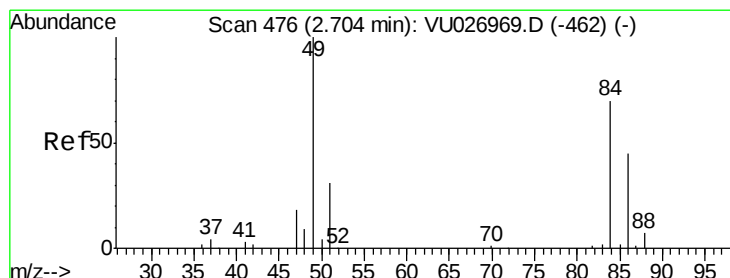
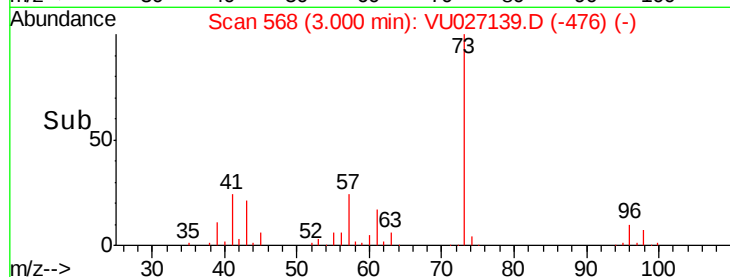
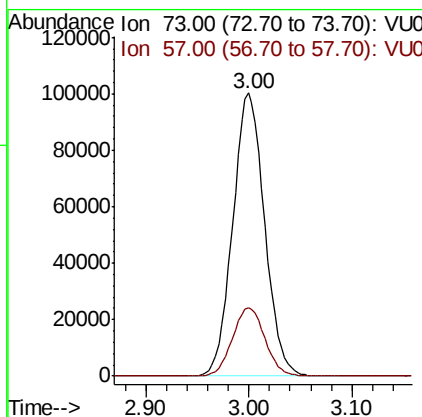
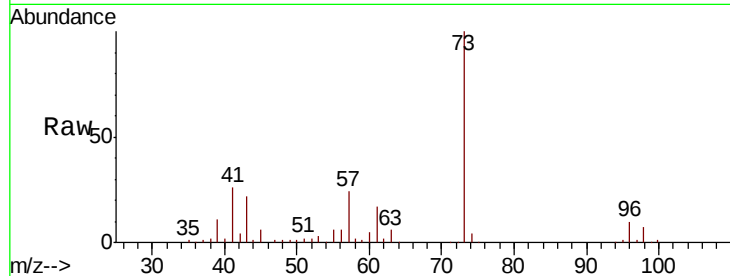
#19
Methyl tert-butyl Ether
Concen: 52.396 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.8	29.6

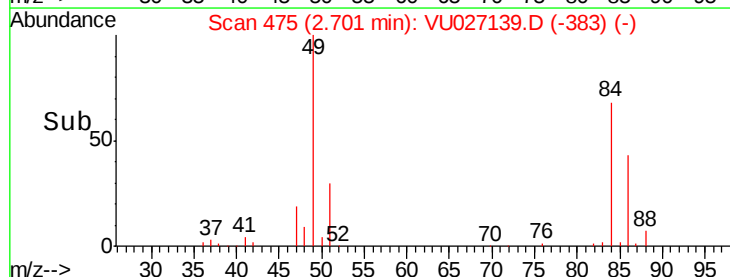
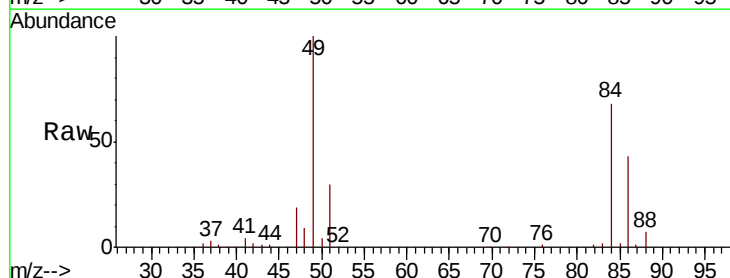
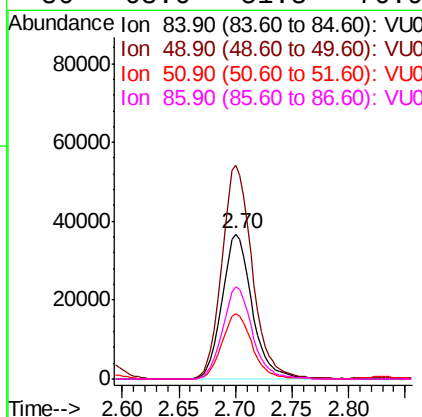
Manual Integrations
APPROVED

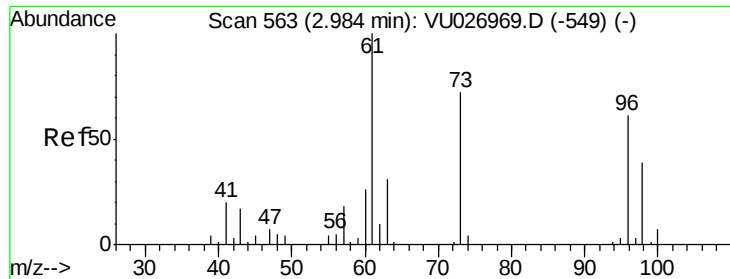
MMDadoda
9/27/2018 3:33:15 PM



#20
Methylene Chloride
Concen: 46.410 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.1	114.9	172.3
51	44.8	35.8	53.8
86	63.6	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 47.364 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 56555

Ion Ratio Lower Upper

96 100

61 170.7 131.8 197.6

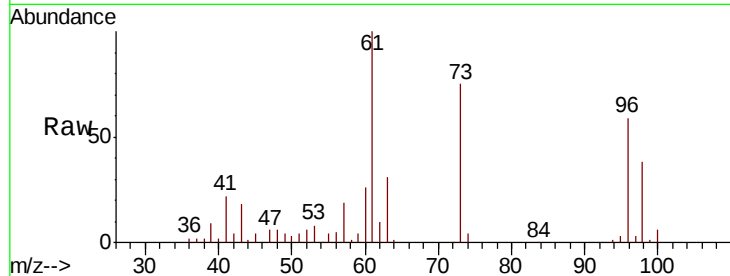
98 64.4 50.9 76.3

Manual Integrations

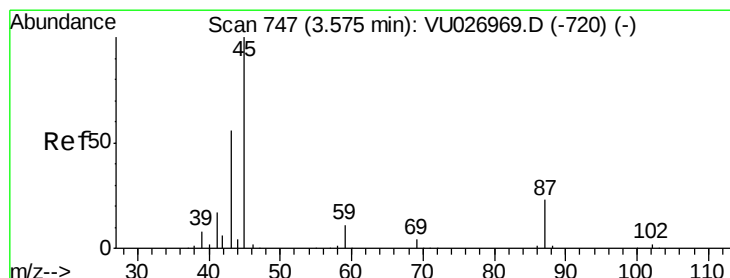
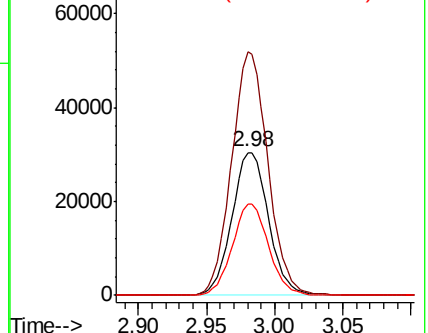
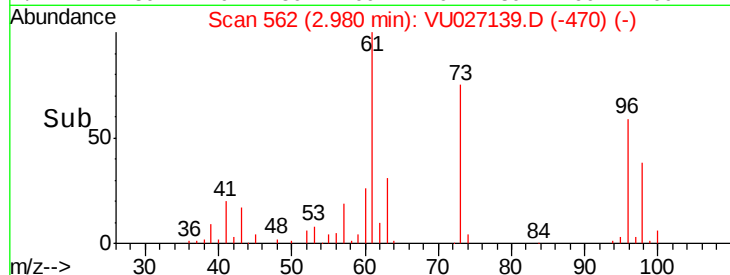
APPROVED

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9/27/2018 3:33:15 PM



Abundance Ion 95.90 (95.60 to 96.60): VU027139.D (-470) (-)



#22

Diisopropyl ether

Concen: 55.870 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Tgt Ion: 45 Resp: 271066

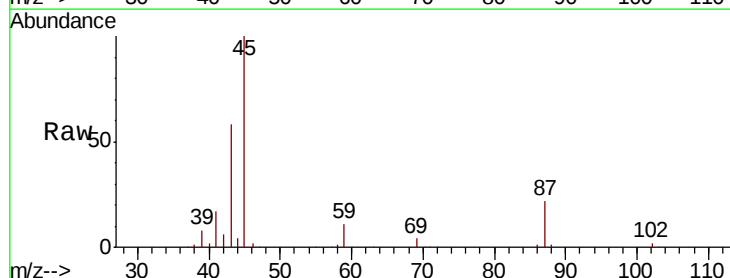
Ion Ratio Lower Upper

45 100

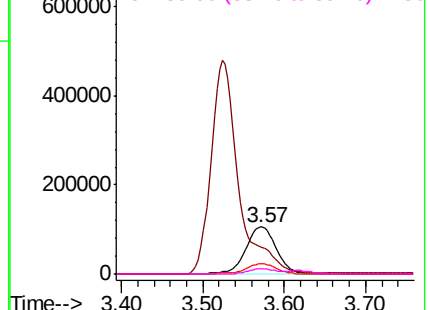
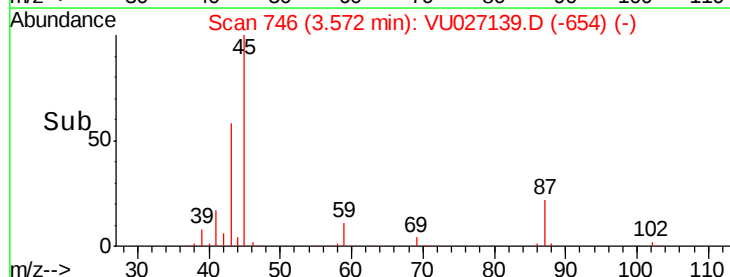
43 55.7 45.8 68.6

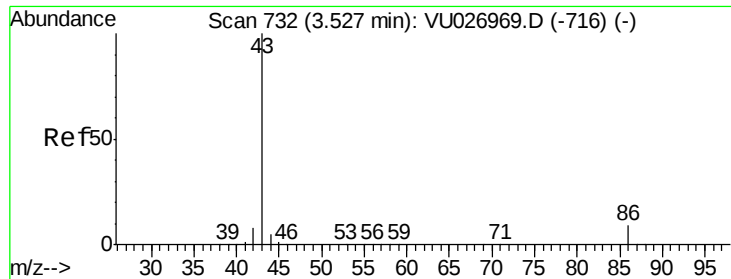
87 21.6 18.6 28.0

59 10.9 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU027139.D (-654) (-)





#23

Vinyl Acetate

Concen: 274.989 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1137280

Ion Ratio Lower Upper

43 100

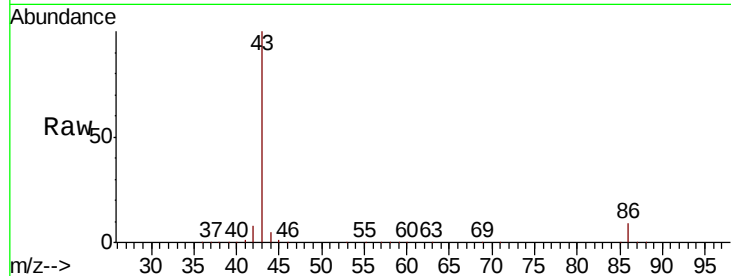
86 8.5 7.2 10.8

Manual Integrations

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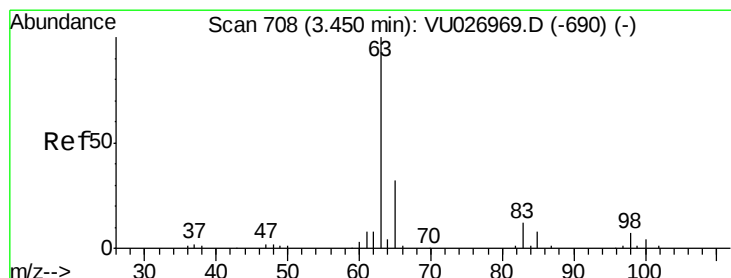
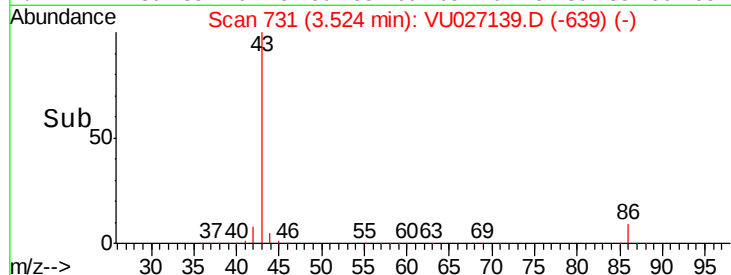
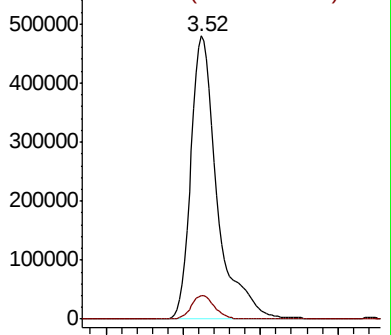
MMDadoda

9/27/2018 3:33:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 50.851 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

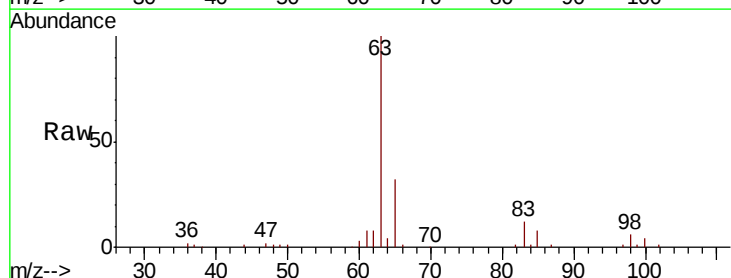
Tgt Ion: 63 Resp: 135883

Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.8

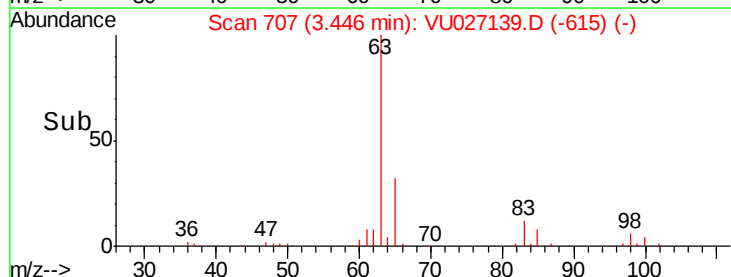
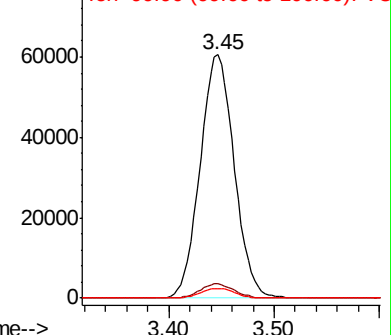
100 4.0 2.0 5.8



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





#25

2-Butanone

Concen: 257.473 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 352638

Ion Ratio Lower Upper

43 100

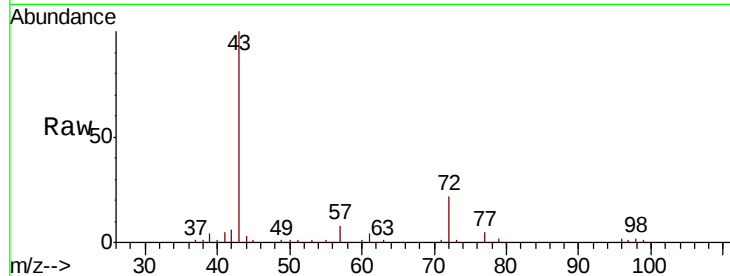
72 21.8 18.4 27.6

Manual Integrations

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MMDadoda

9/27/2018 3:33:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

100000

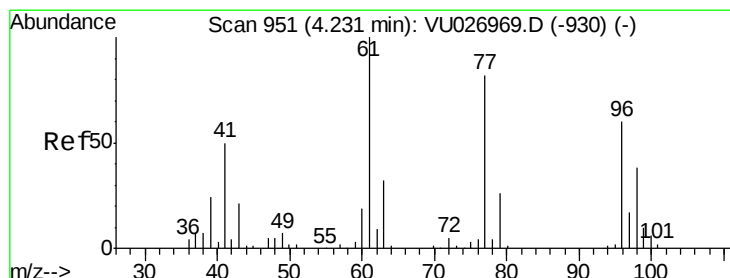
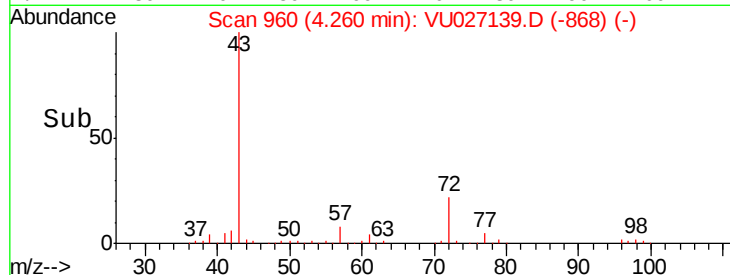
50000

0

4.26

4.10 4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 47.207 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027139.D

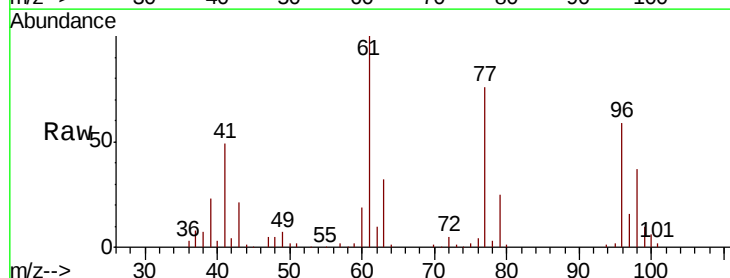
Acq: 25 Sep 2018 20:17

Tgt Ion: 77 Resp: 98376

Ion Ratio Lower Upper

77 100

97 20.5 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

40000

30000

20000

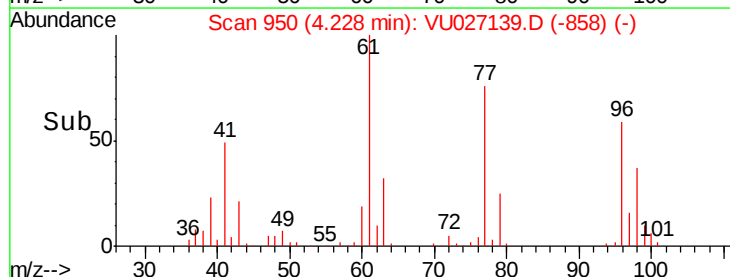
10000

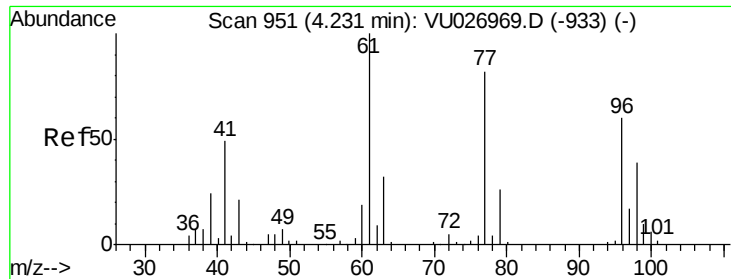
0

4.23

4.10 4.20 4.30

Time-->





#27

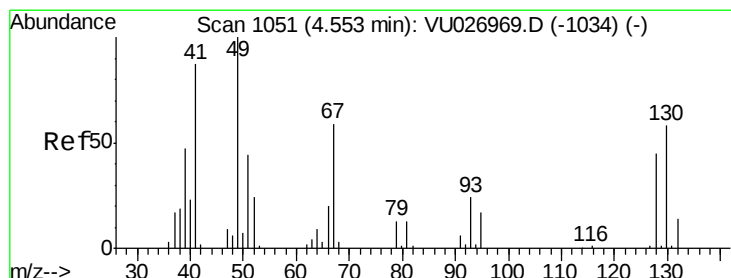
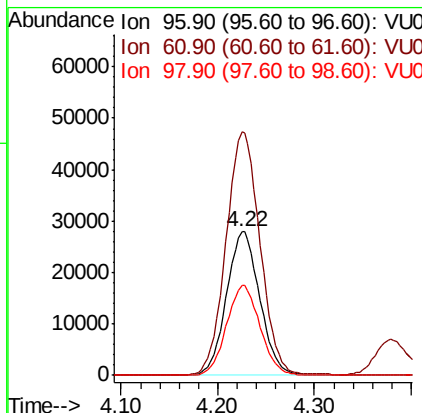
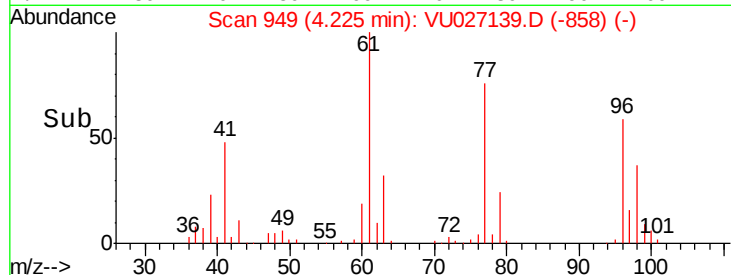
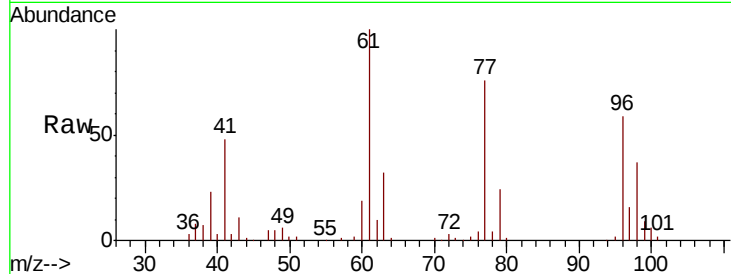
cis-1,2-Dichloroethene
Concen: 49.415 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.01 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	173.2	0.0	337.2
98	63.1	0.0	127.6

Manual Integrations
APPROVED

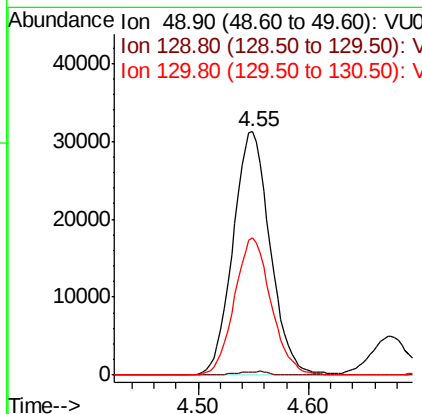
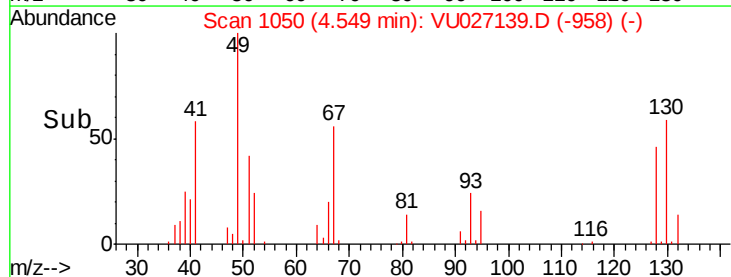
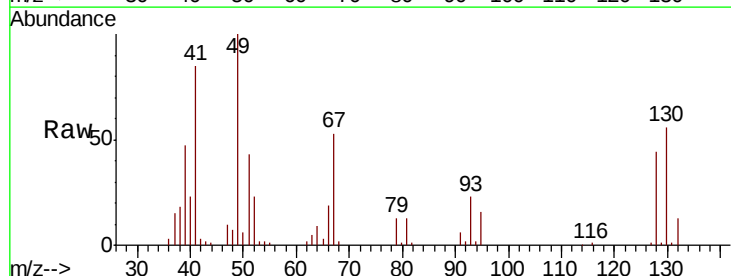
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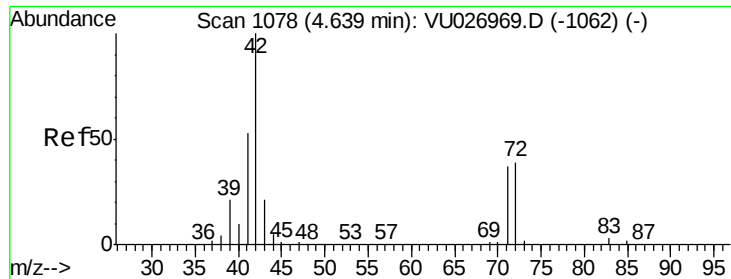


#28

Bromochloromethane
Concen: 56.675 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	55.6	47.8	71.8





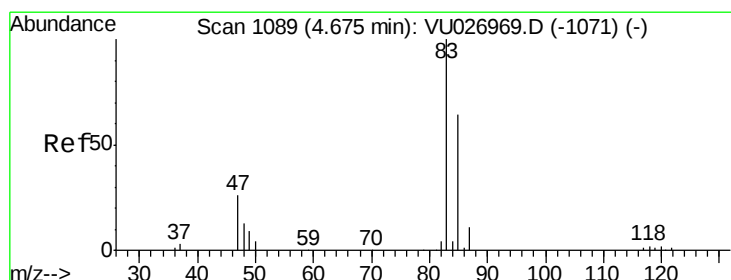
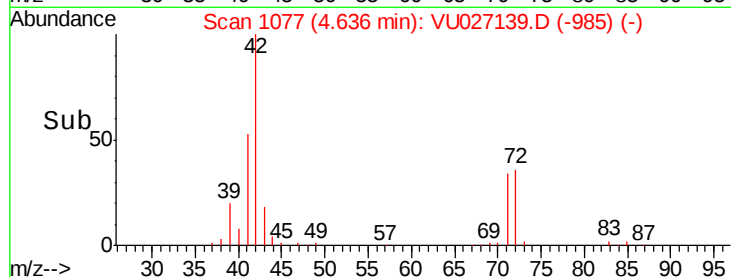
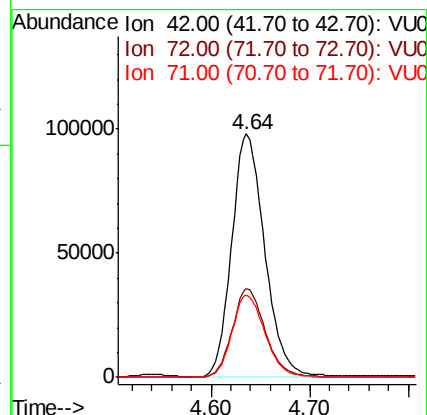
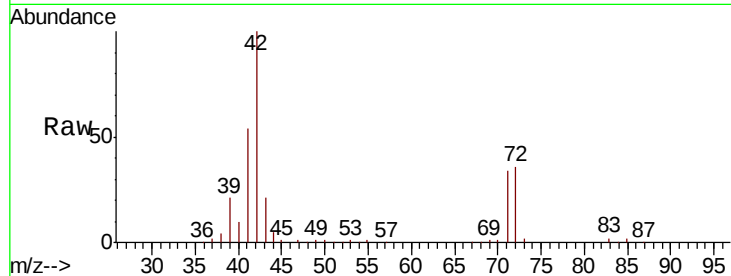
#29
Tetrahydrofuran
Concen: 275.532 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	31.7	47.5
71	34.3	29.6	44.4

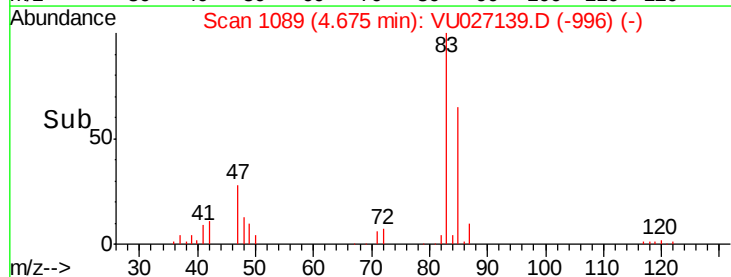
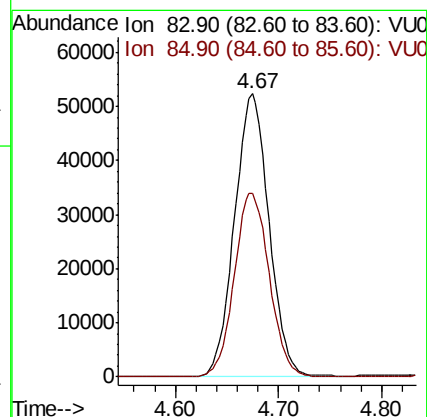
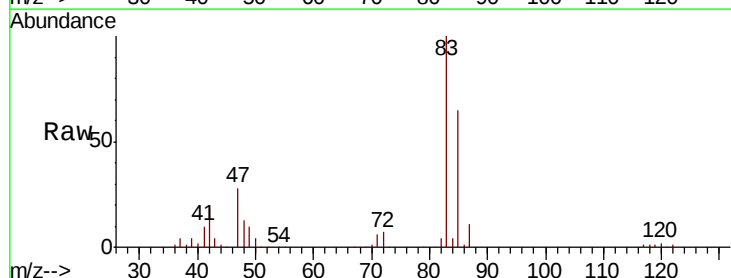
Manual Integrations
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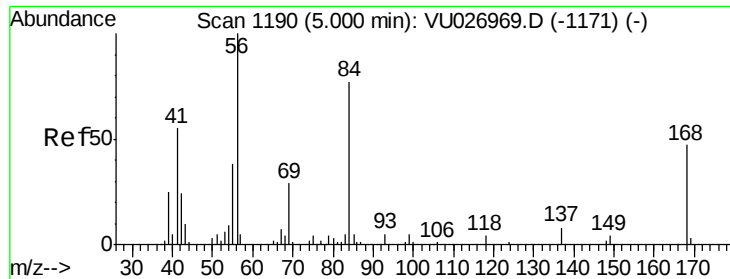
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#30
Chloroform
Concen: 49.180 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3





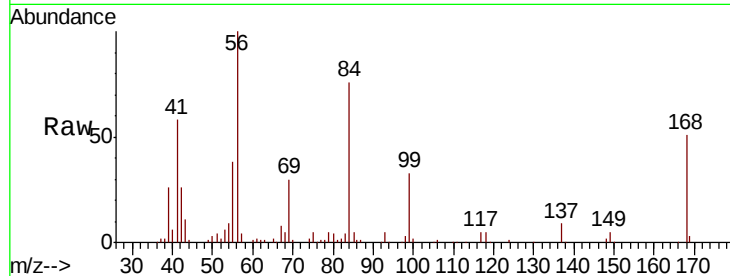
#31
Cyclohexane
Concen: 48.944 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

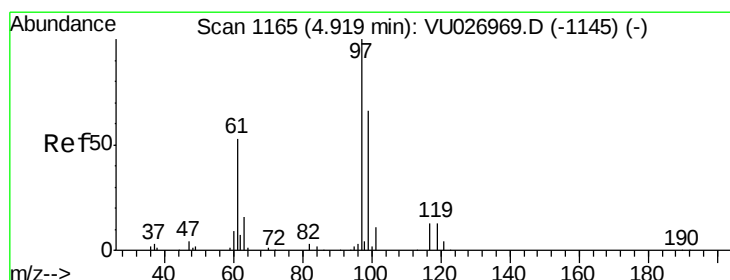
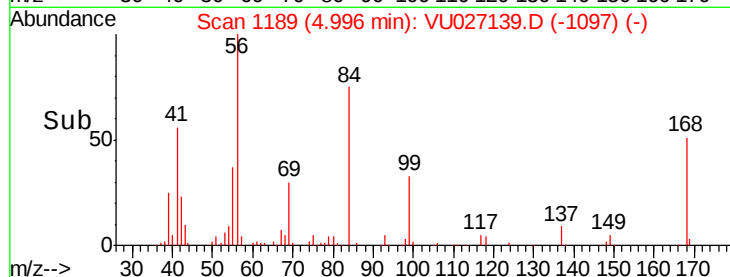
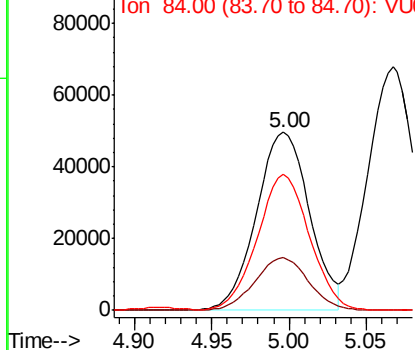
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.0	34.4
84	75.5	61.4	92.2

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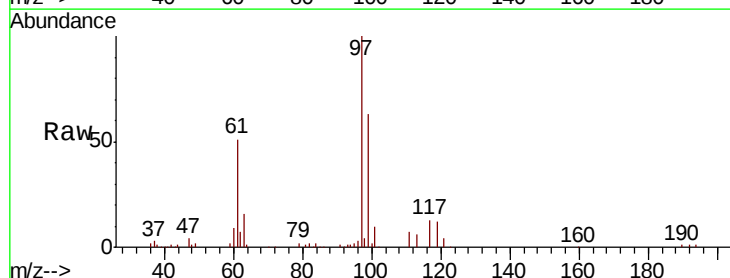


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

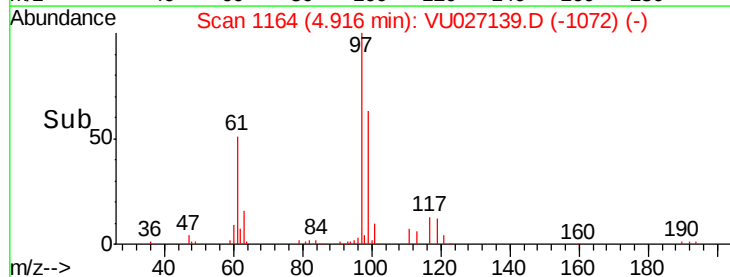
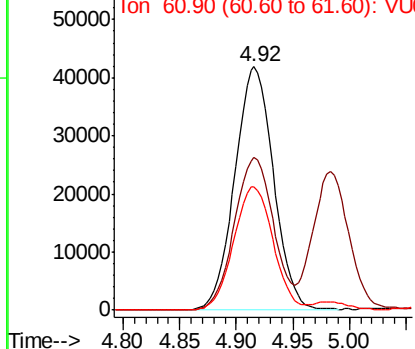


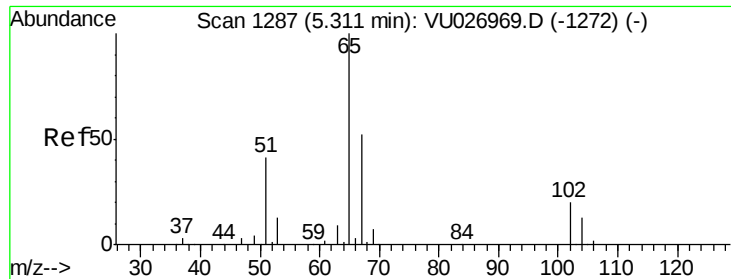
#32
1,1,1-Trichloroethane
Concen: 50.494 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.6
61	51.6	41.1	61.7



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





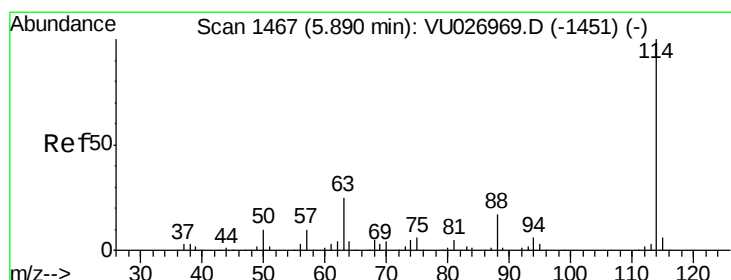
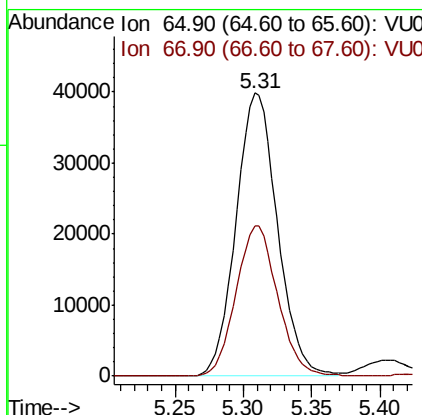
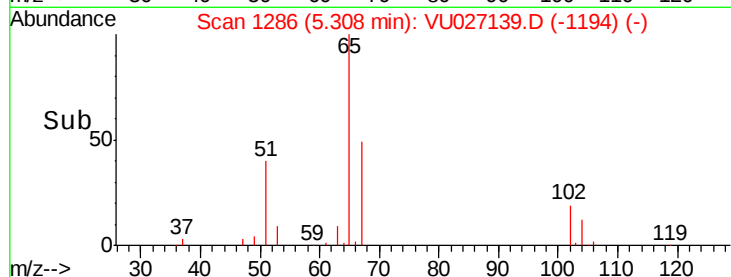
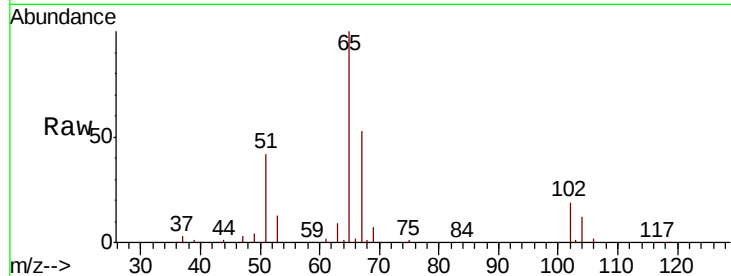
#33
 1,2-Dichloroethane-d4
 Concen: 51.554 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	105.6

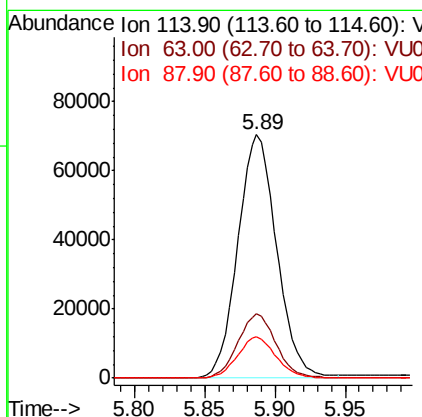
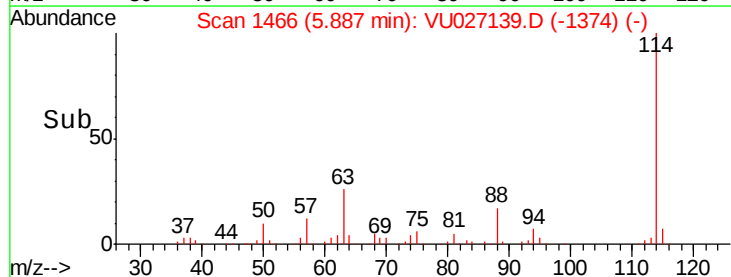
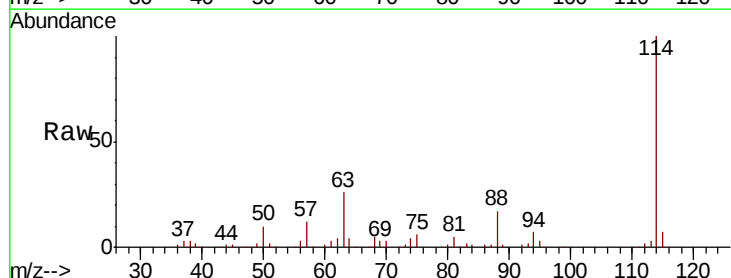
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.2	0.0	49.2
88	17.0	0.0	33.8





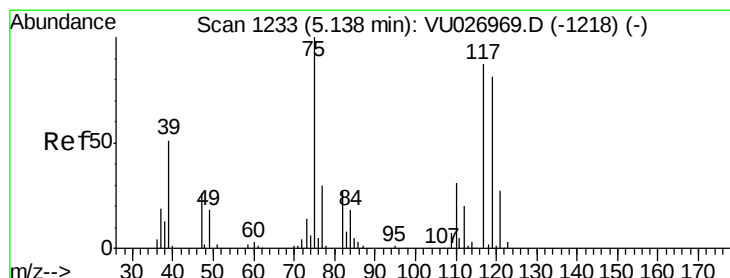
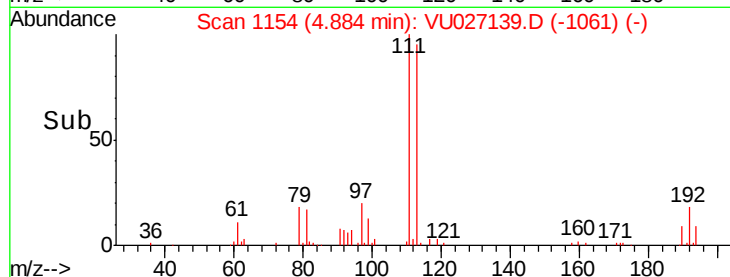
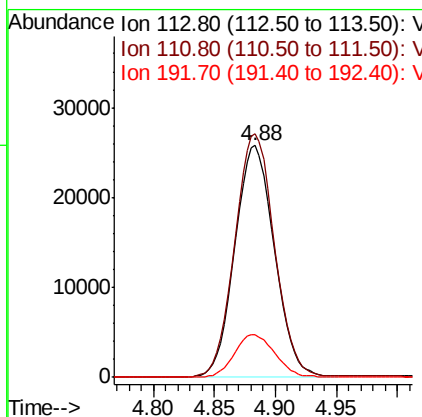
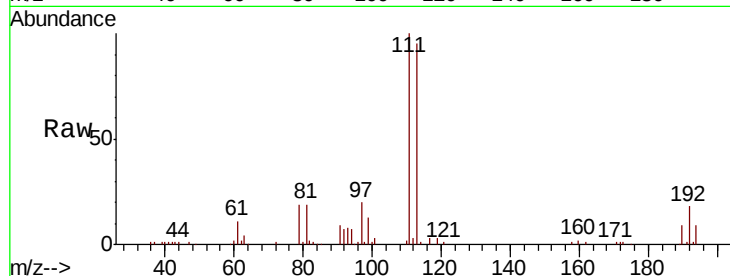
#35
 Dibromofluoromethane
 Concen: 49.224 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.2	123.4
192	18.9	15.2	22.8

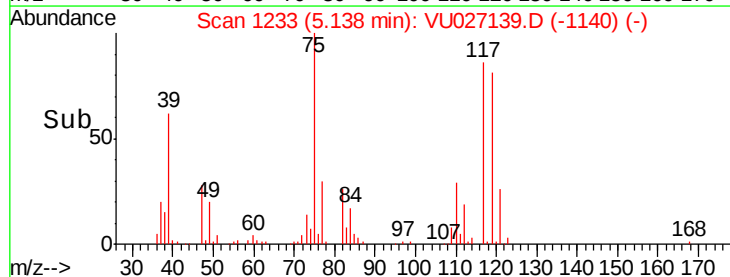
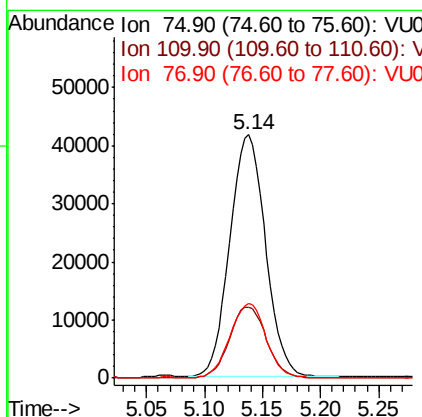
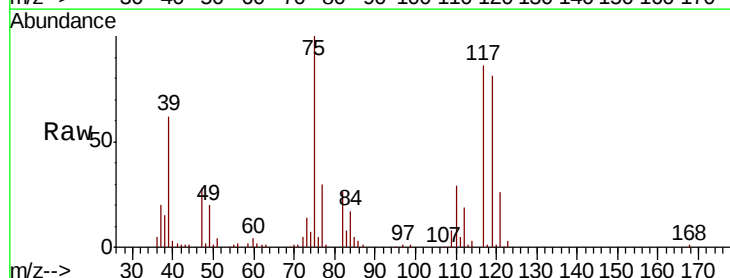
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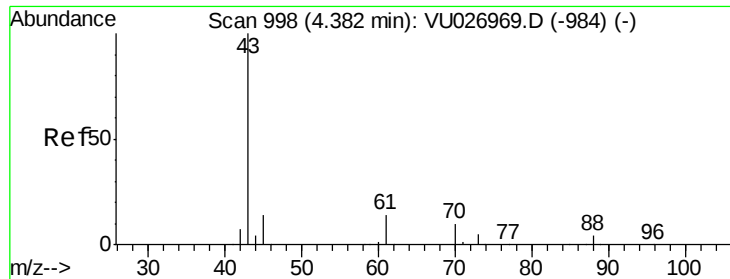
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#36
 1,1-Dichloropropene
 Concen: 49.007 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.3	16.1	48.2
77	31.3	24.6	36.8





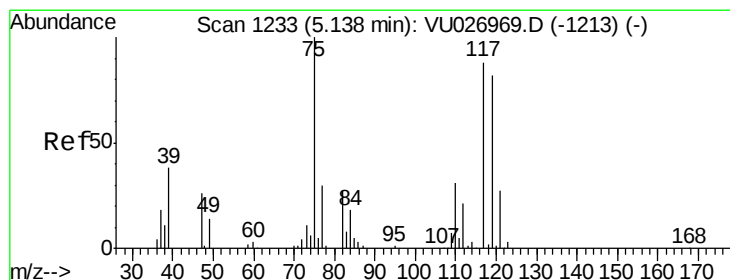
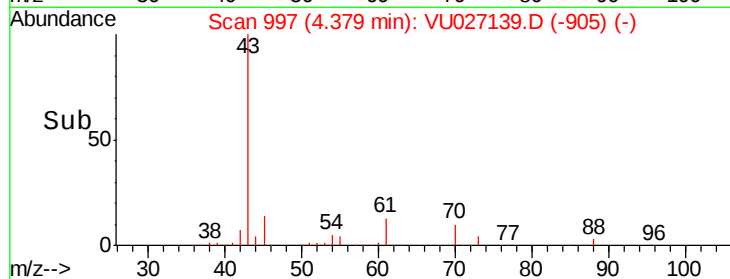
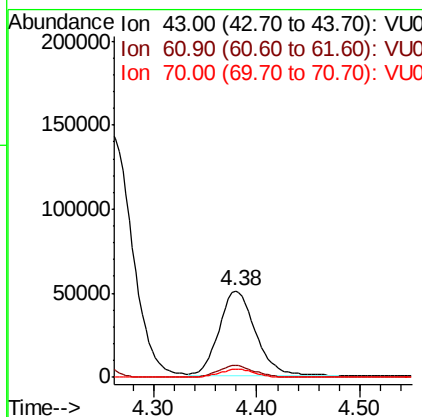
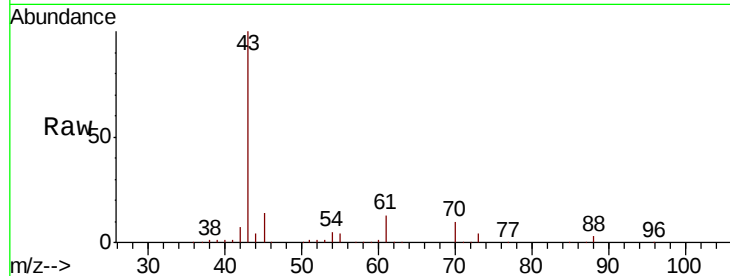
#37
Ethyl Acetate
Concen: 50.818 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.1	7.4	11.0

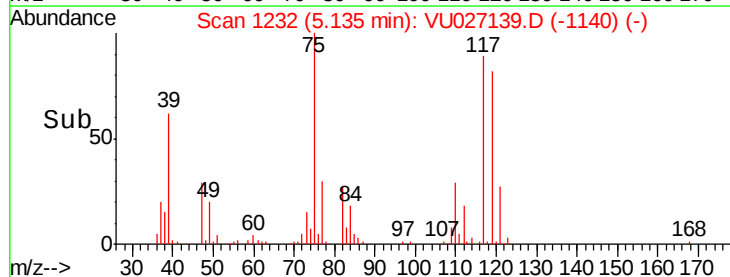
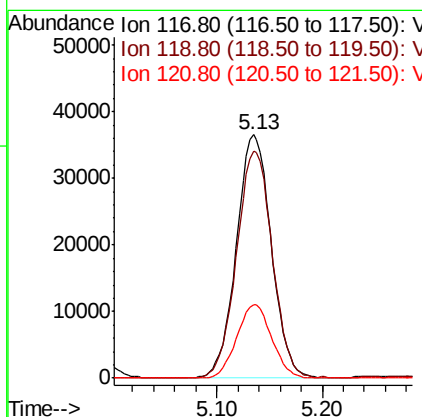
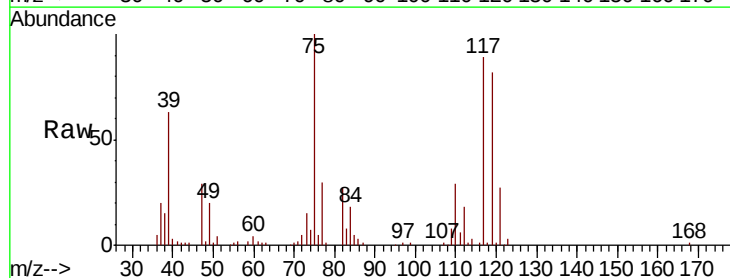
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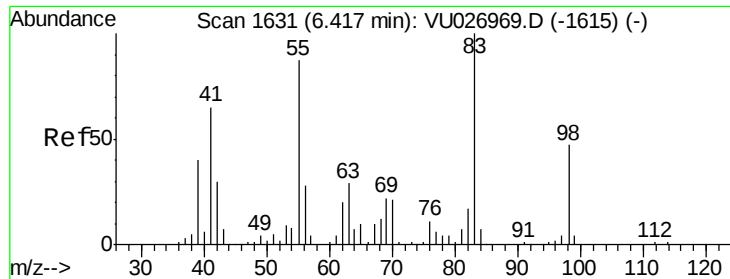
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#38
Carbon Tetrachloride
Concen: 48.716 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	74.4	111.6
121	30.2	24.2	36.4





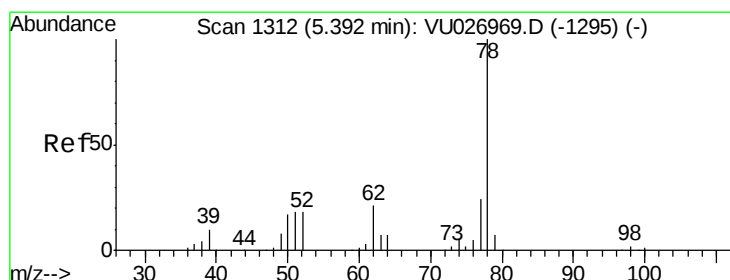
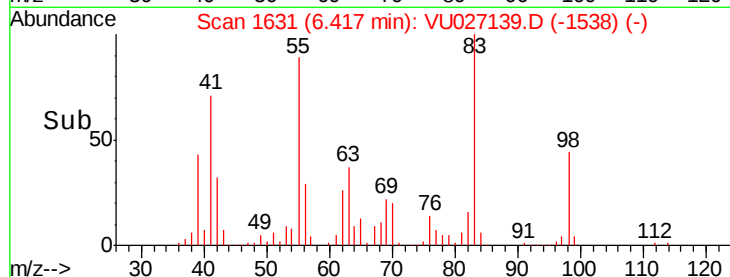
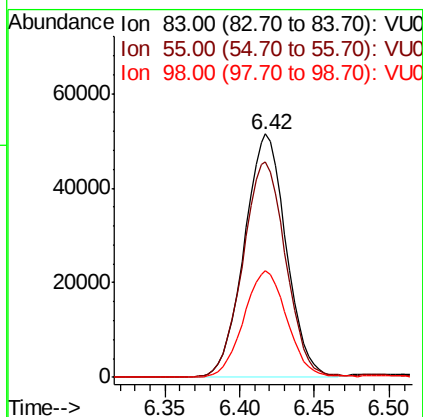
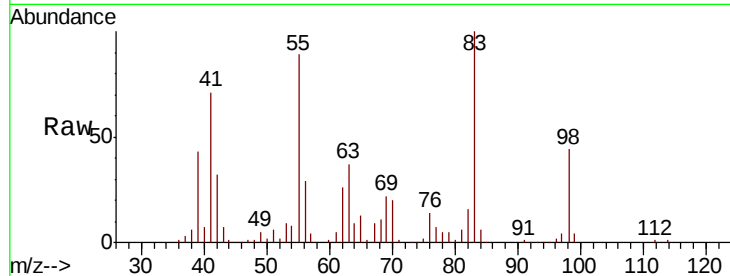
#39
Methvlcvclohexane
Concen: 50.701 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	100063
Ion	Ratio	Lower	Upper
83	100		
55	88.6	69.9	104.9
98	43.6	37.5	56.3

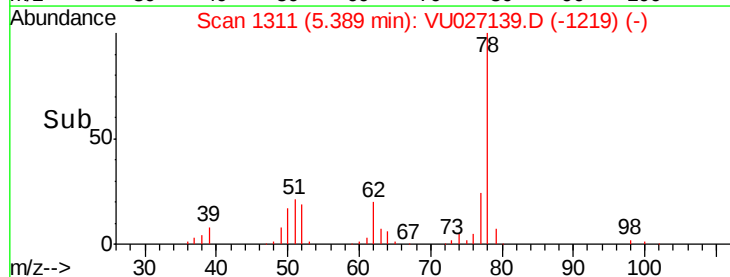
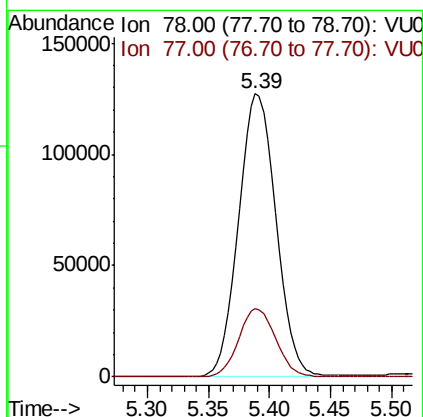
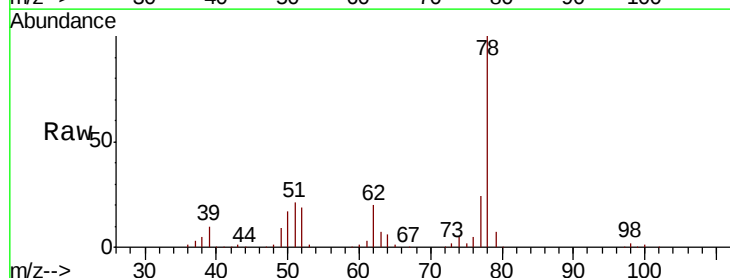
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#40
Benzene
Concen: 48.972 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion	78.00	Resp	270370
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.0





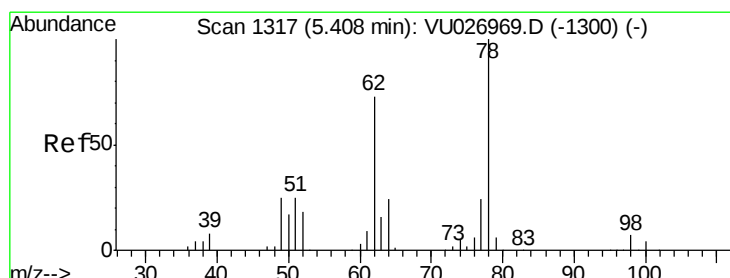
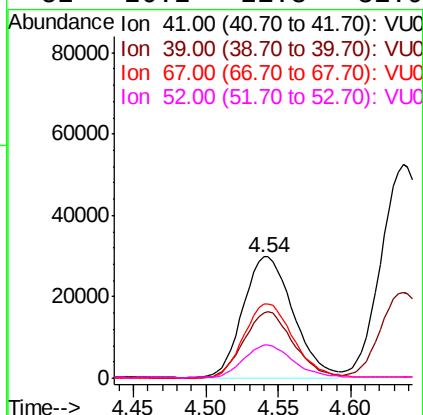
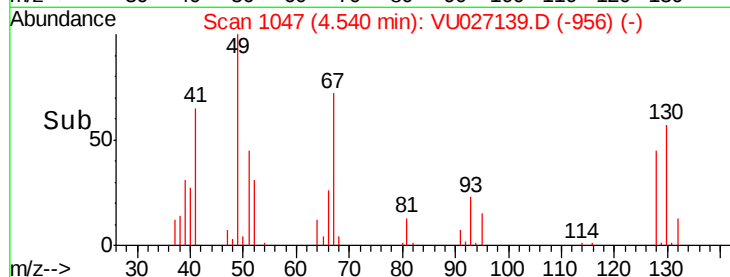
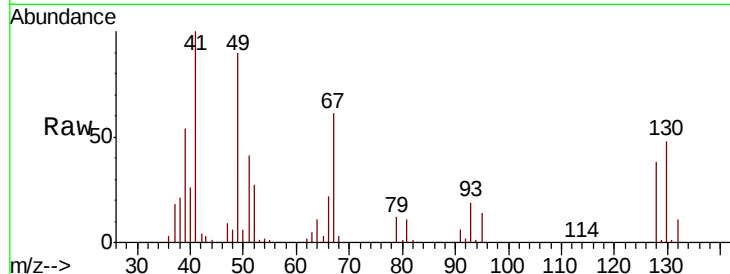
#41
Methacrylonitrile
Concen: 56.241 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.01 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	42.9	64.3	
67	61.6	52.4	78.6	
52	26.2	21.3	31.9	

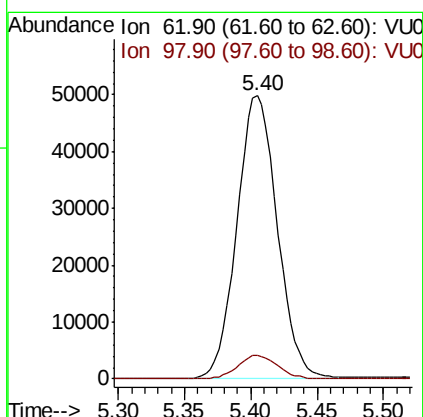
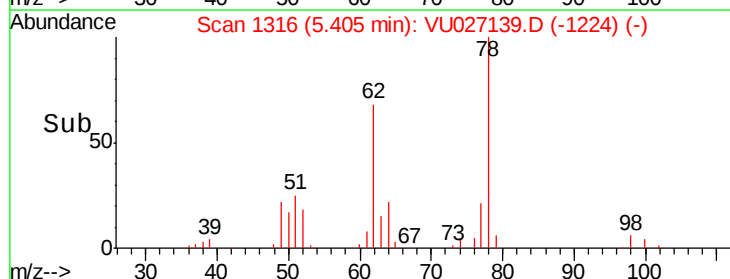
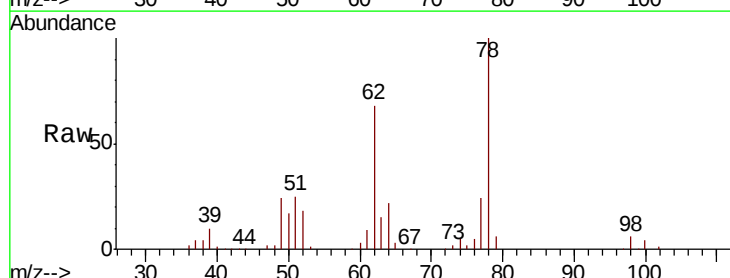
Manual Integrations
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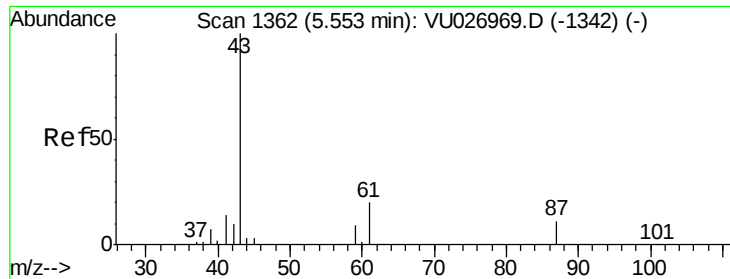
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#42
1,2-Dichloroethane
Concen: 50.658 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.0	





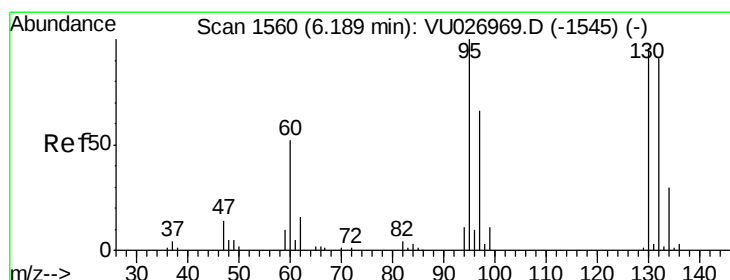
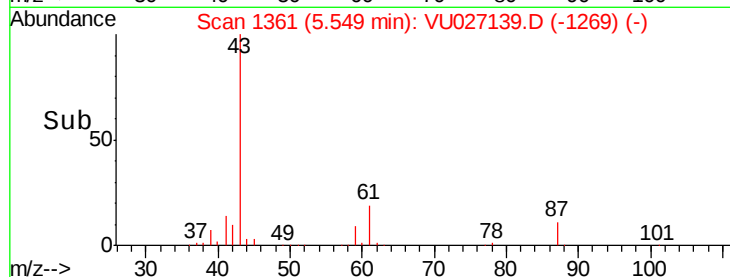
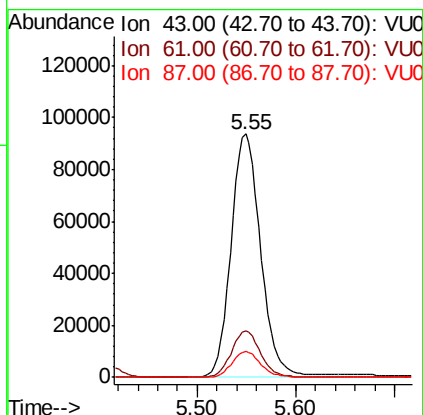
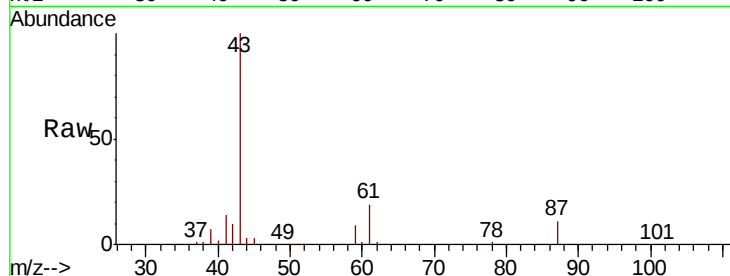
#43
Isopropyl Acetate
Concen: 54.589 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	195725
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.7	23.5
87	10.5	9.0	13.4

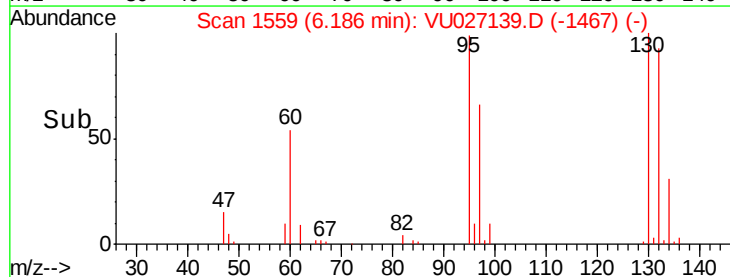
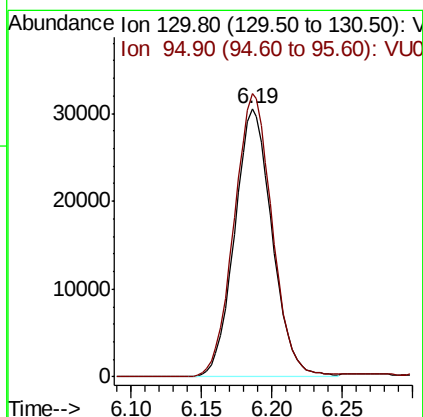
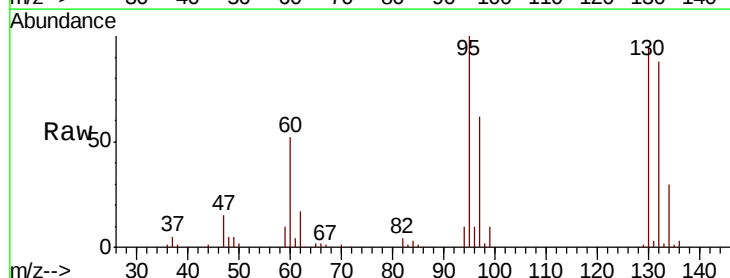
Manual Integrations
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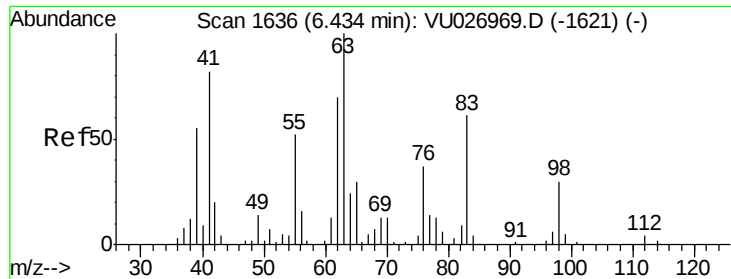
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#44
Trichloroethene
Concen: 48.490 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion	130	Resp	56992
Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	208.8





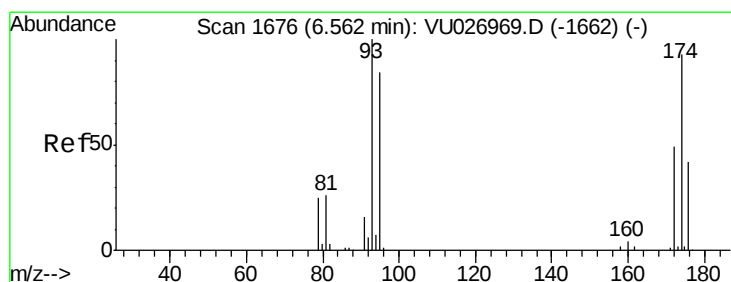
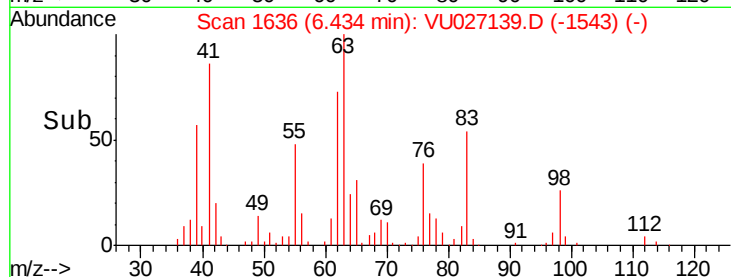
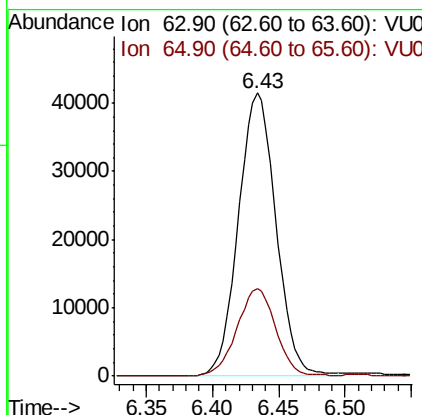
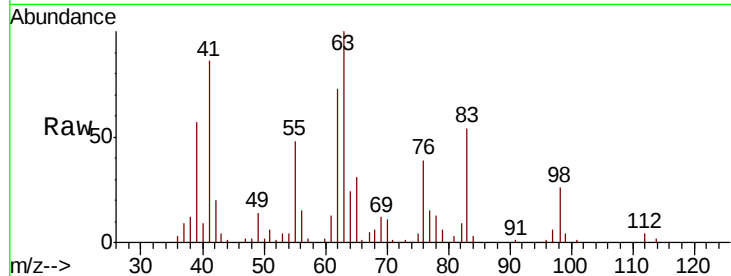
#45
 1,2-Dichloropropane
 Concen: 52.069 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 81910
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.3 36.5

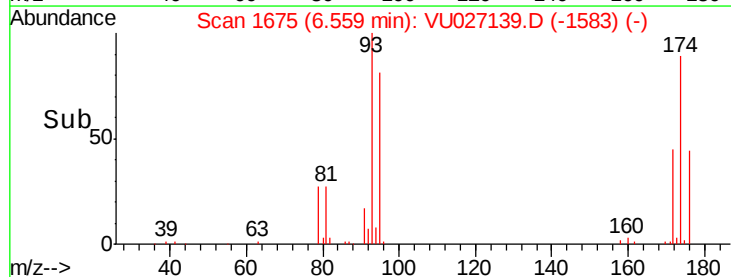
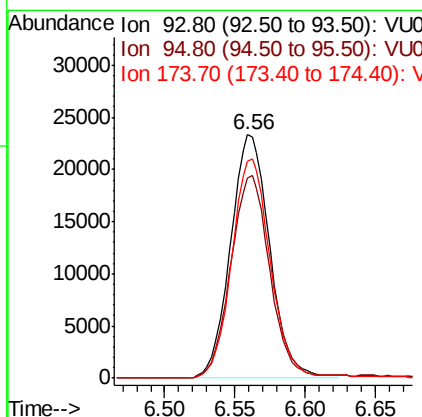
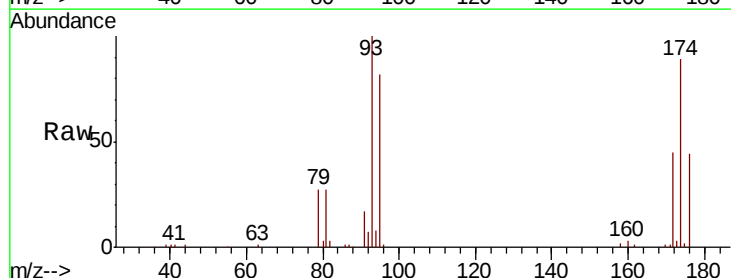
Manual Integrations
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#46
 Dibromomethane
 Concen: 47.776 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion: 93 Resp: 45390
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.2 99.4
 174 88.3 71.7 107.5





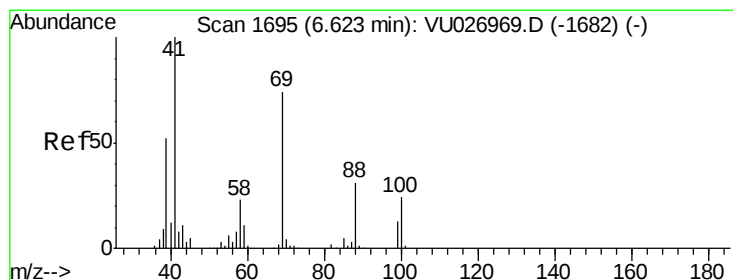
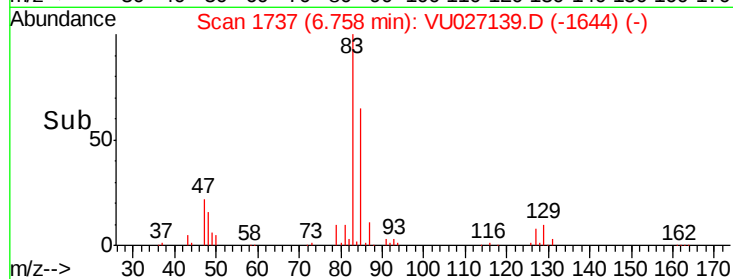
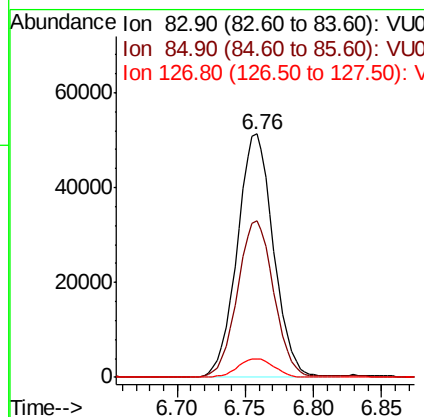
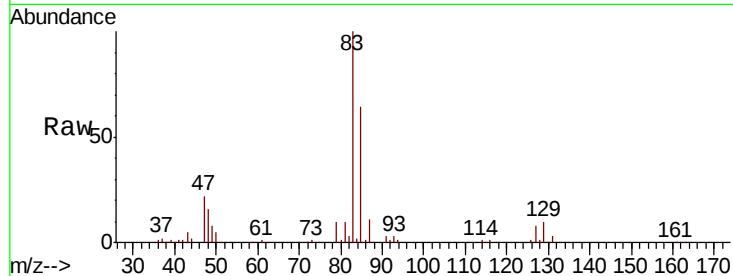
#47
 Bromodichloromethane
 Concen: 49.263 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	94637
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	52.5	78.7
127	7.6	6.3	9.5

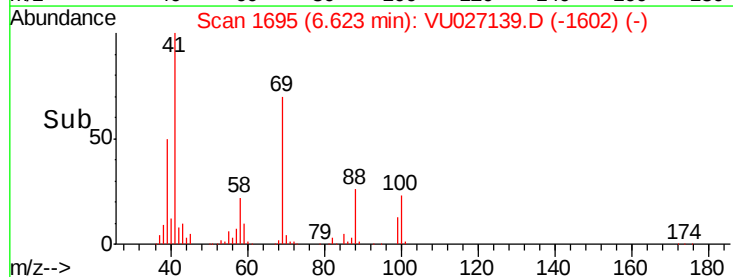
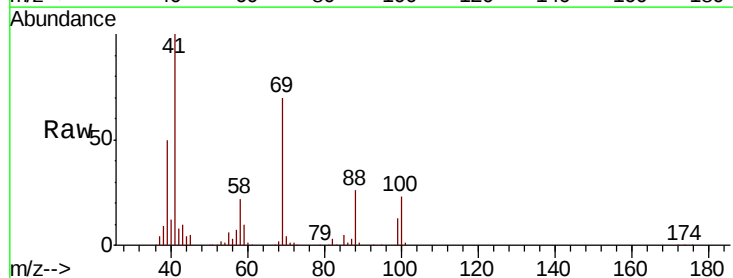
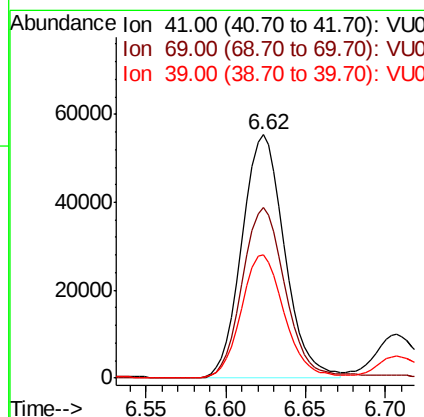
Manual Integrations
 APPROVED

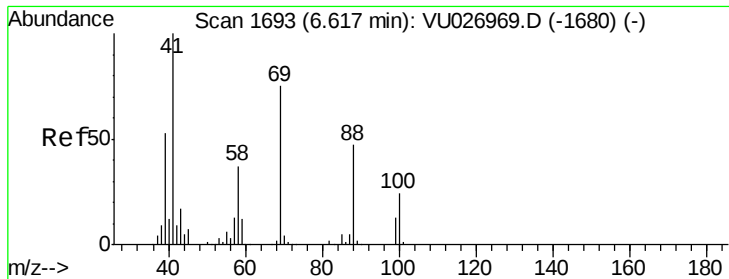
MMDadoda
 9/27/2018 3:33:15 PM



#48
 Methyl methacrylate
 Concen: 51.713 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion	41	Resp	100985
Ion Ratio	100	Lower	Upper
41	100		
69	71.2	60.6	90.8
39	51.4	42.8	64.2





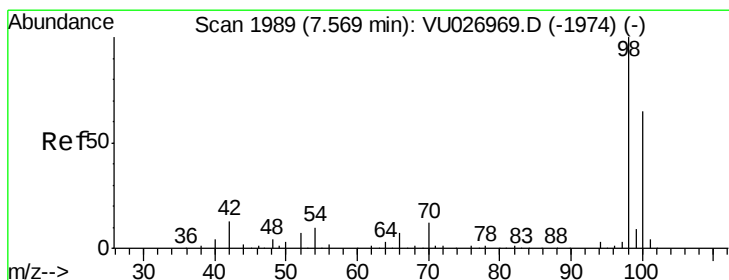
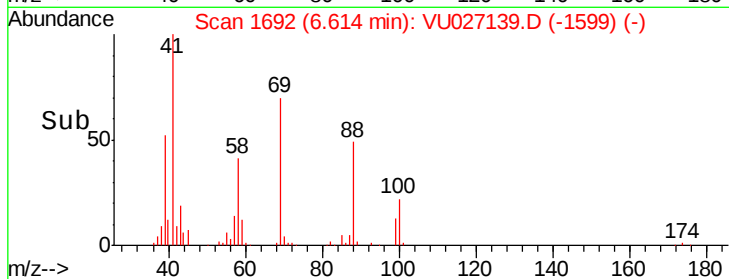
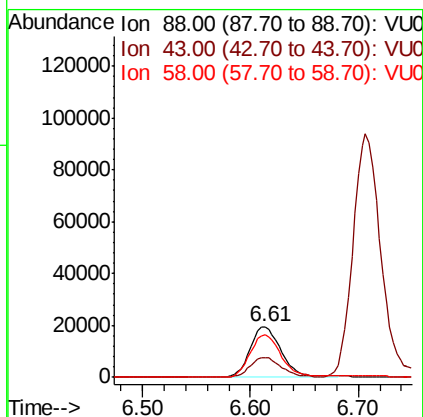
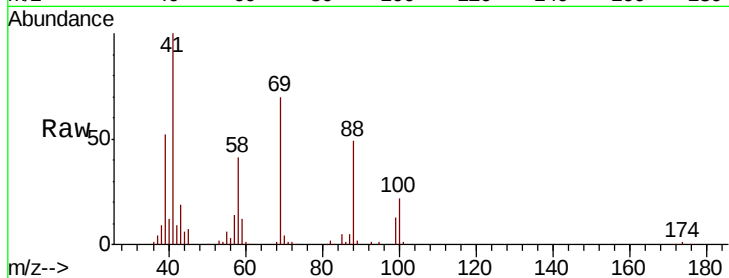
#49
1,4-Dioxane
Concen: 1017.949 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	39.4	29.8	44.8	
58	83.5	63.9	95.9	

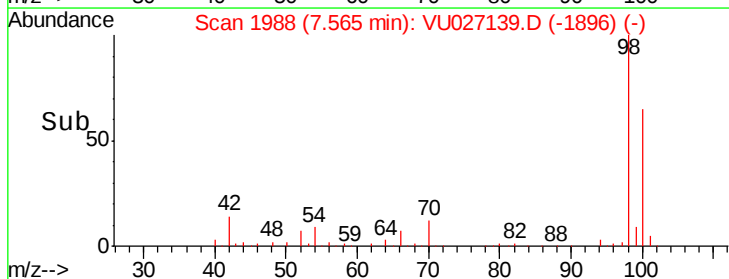
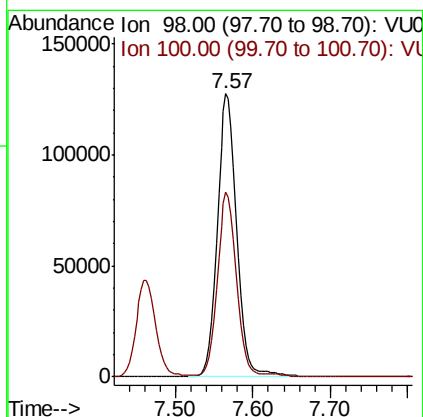
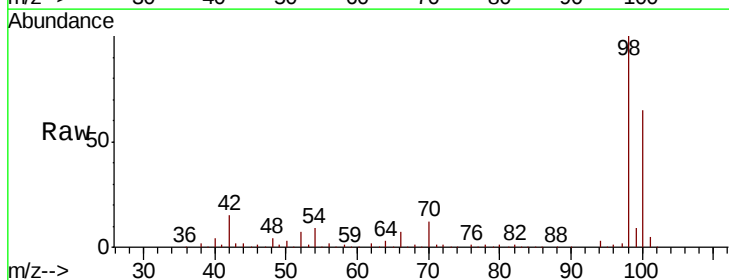
Manual Integrations
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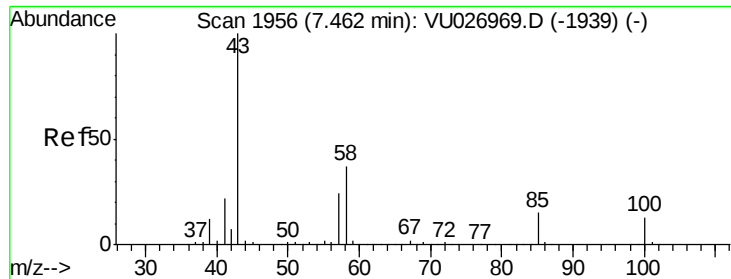
MMDadoda
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#50
Toluene-d8
Concen: 50.202 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.2	52.1	78.1	





#51

4-Methyl-2-Pentanone

Concen: 278.612 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 671850

Ion Ratio Lower Upper

43 100

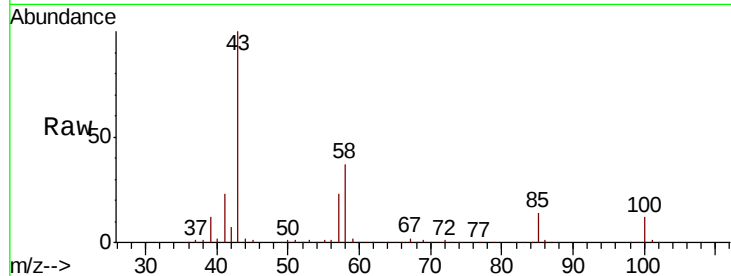
58 36.2 29.8 44.6

Manual Integrations

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

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

7.46

400000

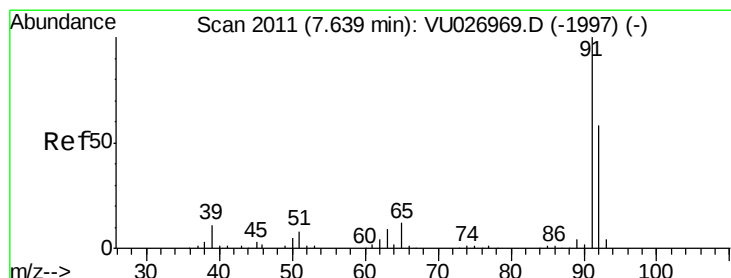
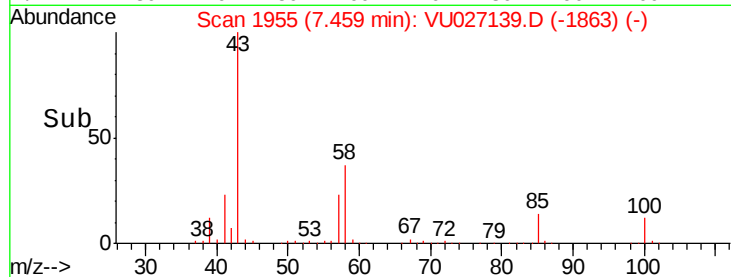
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.880 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027139.D

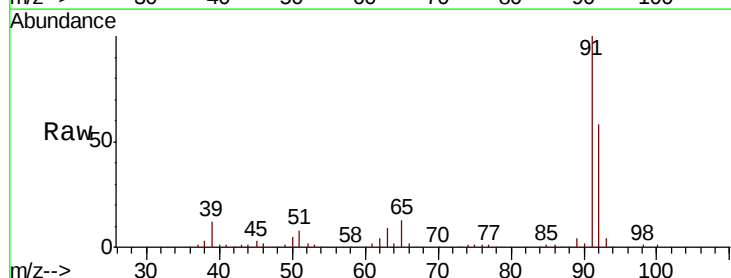
Acq: 25 Sep 2018 20:17

Tgt Ion: 92 Resp: 161014

Ion Ratio Lower Upper

92 100

91 168.6 136.4 204.6



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

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

7.64

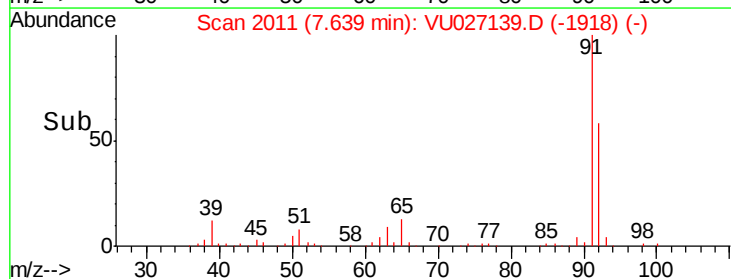
150000

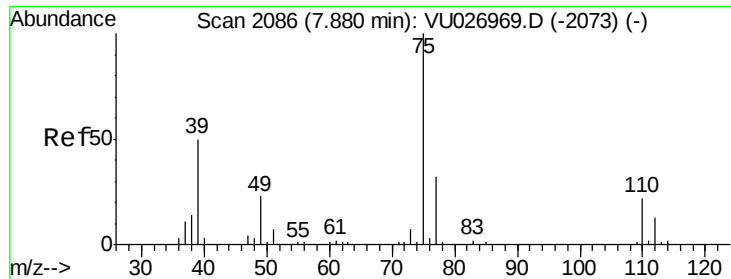
100000

50000

0

Time-->





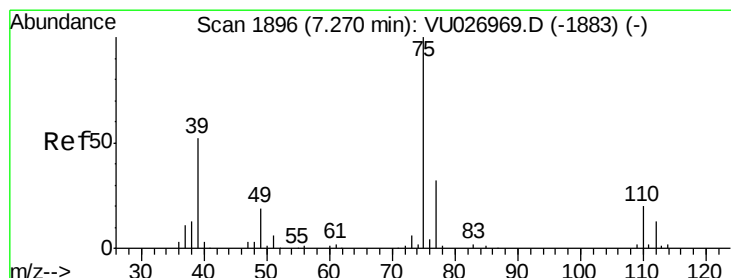
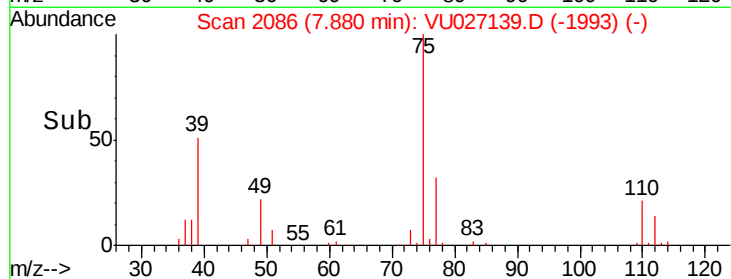
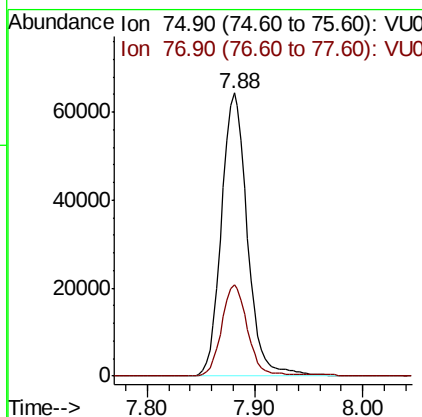
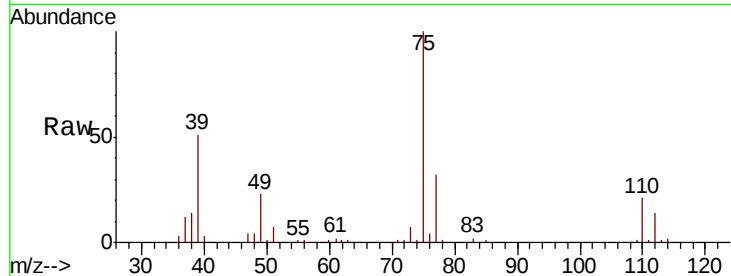
#53
t-1,3-Dichloropropene
Concen: 52.264 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 107875
Ion Ratio Lower Upper
75 100
77 32.4 25.3 37.9

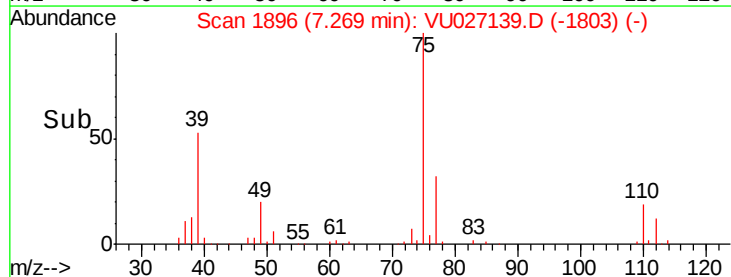
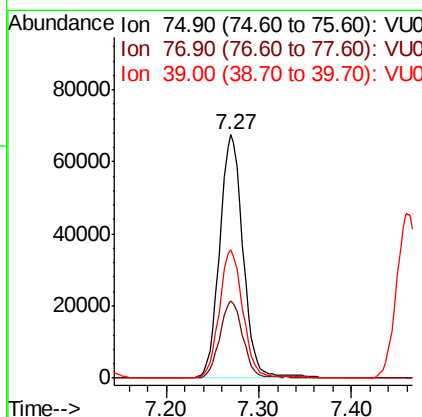
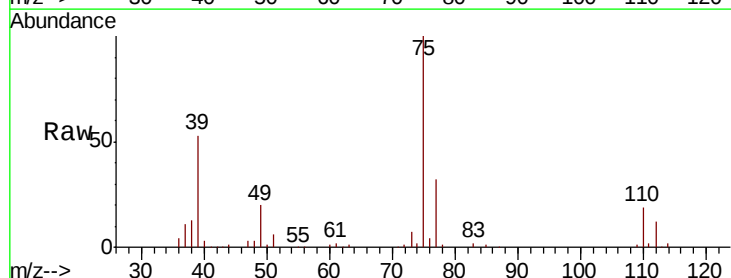
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 52.200 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion: 75 Resp: 118466
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0
39 52.5 41.6 62.4





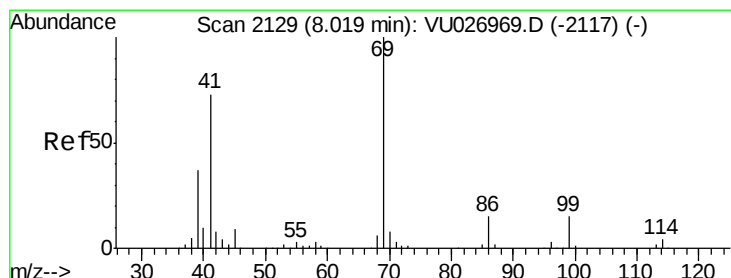
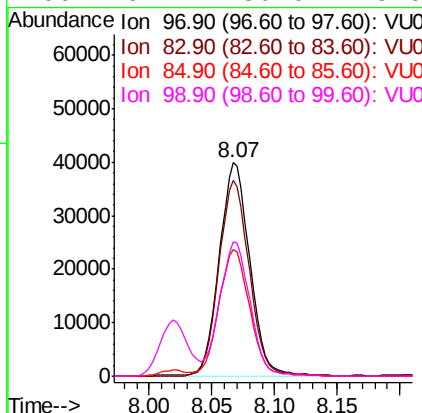
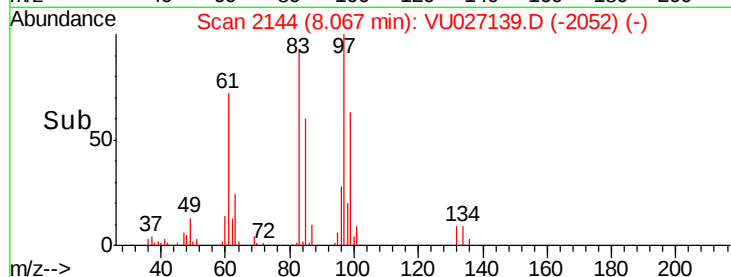
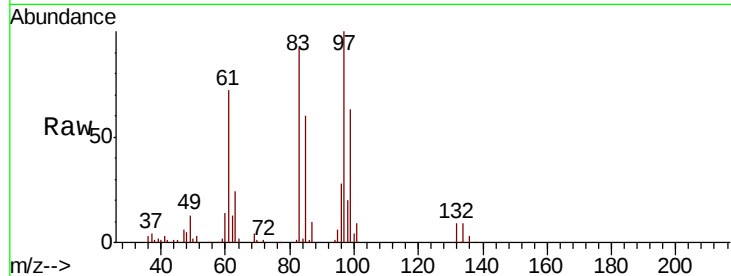
#55
 1,1,2-Trichloroethane
 Concen: 50.400 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		67582		
83	91.8	73.1	109.7		
85	59.6	46.7	70.1		
99	62.7	50.0	75.0		

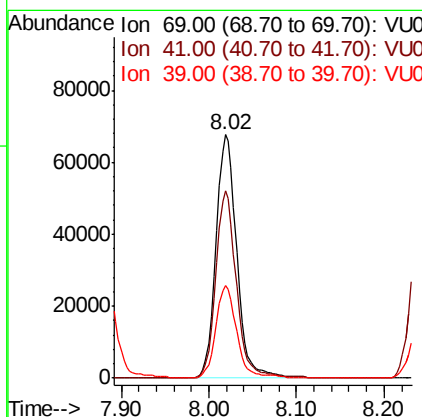
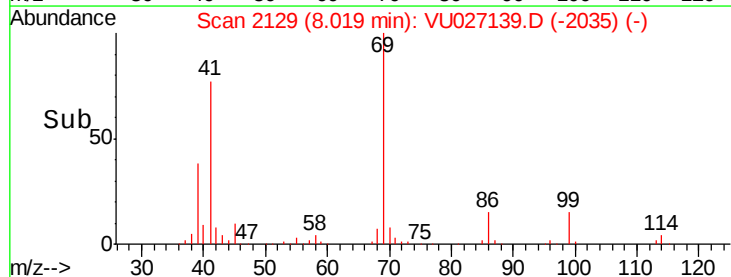
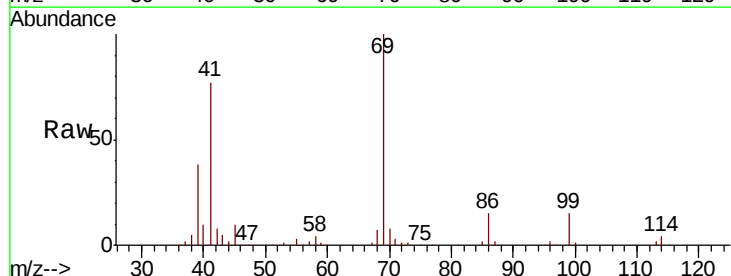
Manual Integrations
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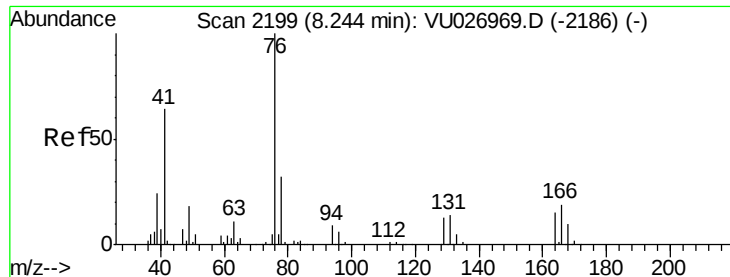
MMDadoda
 9/27/2018 3:33:15 PM



#56
 Ethyl methacrylate
 Concen: 48.189 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		111923		
41	76.8	59.0	88.4		
39	37.6	30.2	45.4		





#57

1,3-Dichloropropane

Concen: 51.291 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 127918

Ion Ratio Lower Upper

76 100

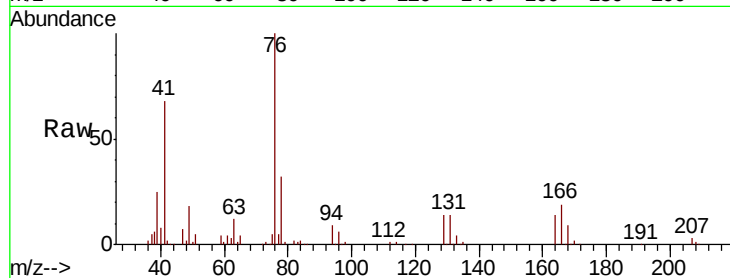
78 32.1 25.5 38.3

Manual Integrations

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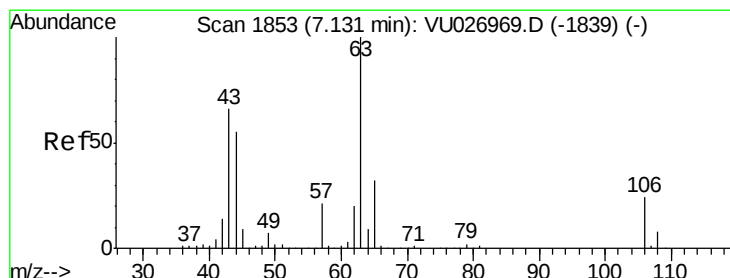
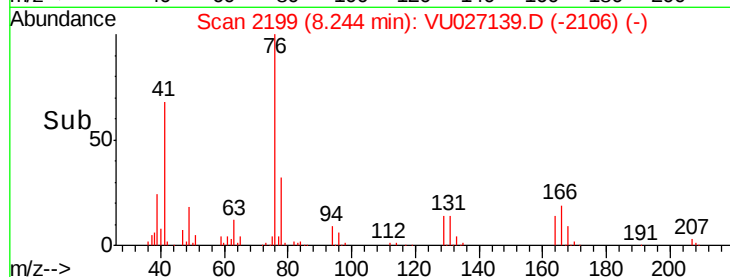
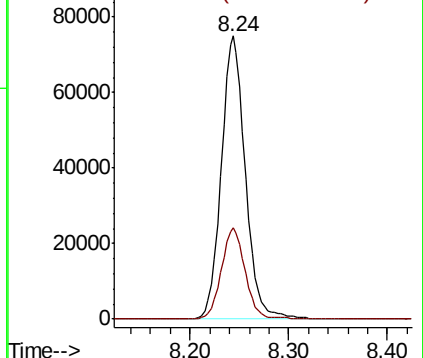
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 247.990 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU027139.D

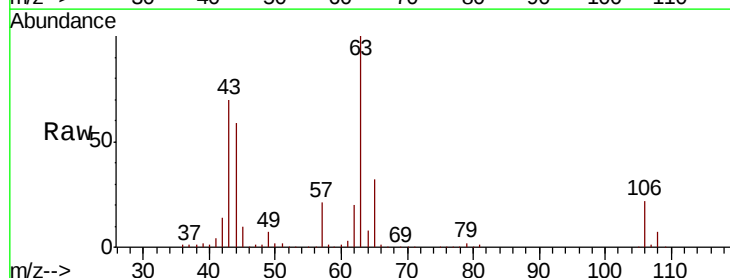
Acq: 25 Sep 2018 20:17

Tgt Ion: 63 Resp: 327392

Ion Ratio Lower Upper

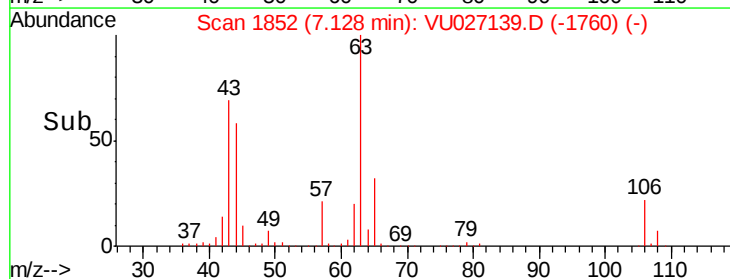
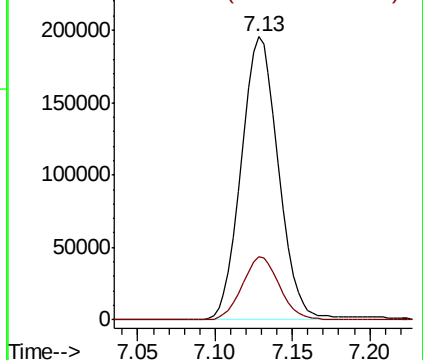
63 100

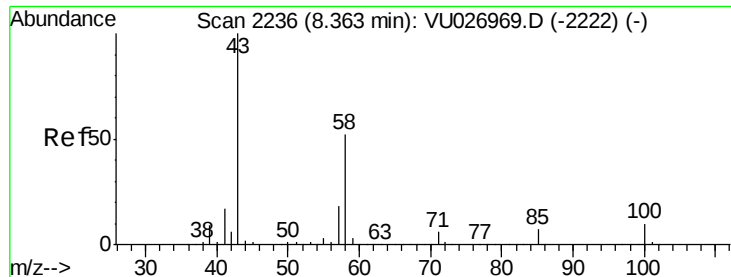
106 22.2 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





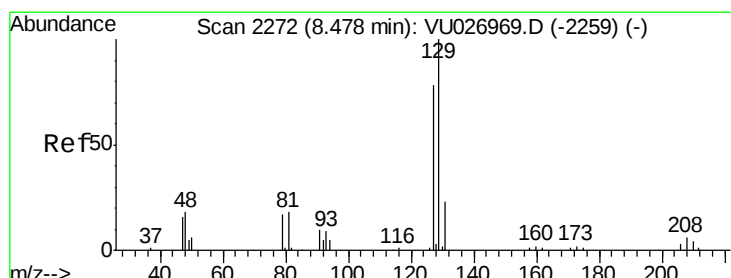
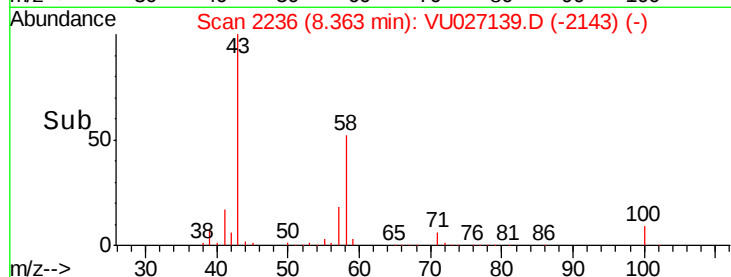
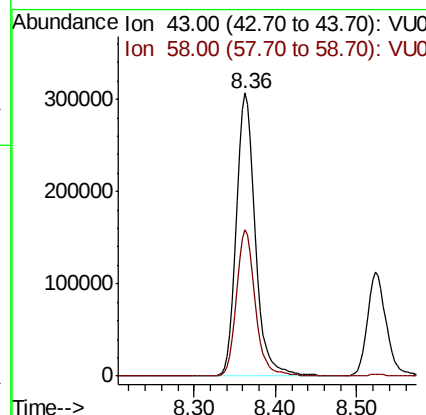
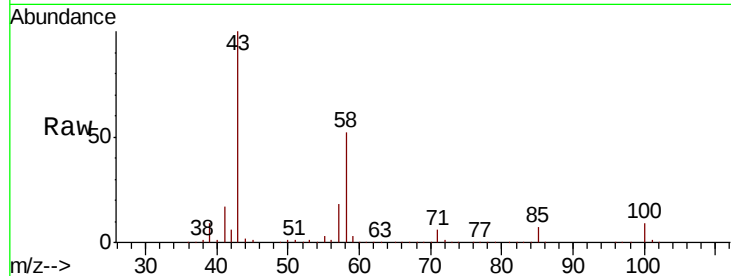
#59
2-Hexanone
Concen: 268.614 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	51.2		26.1	78.2	

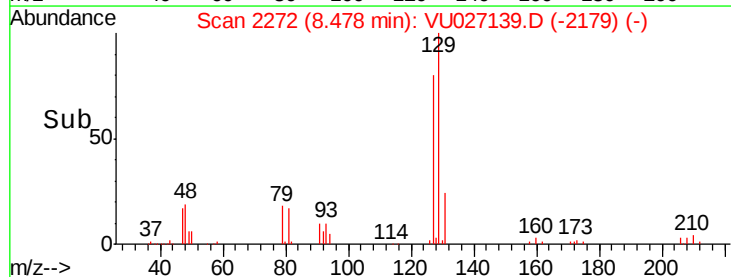
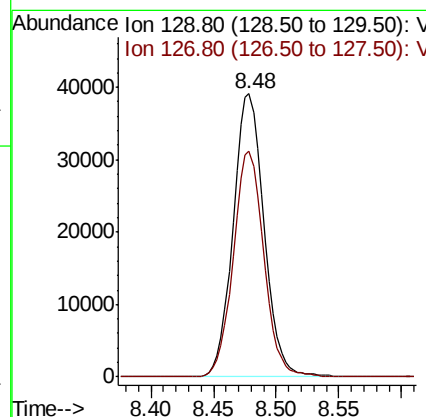
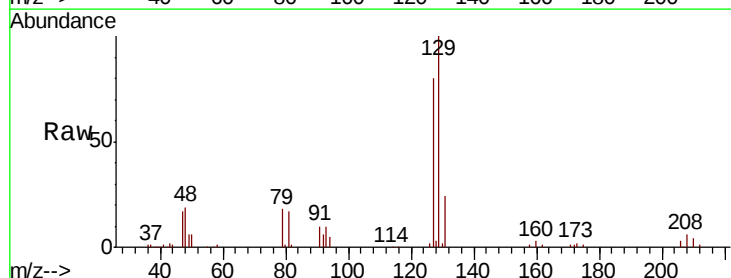
Manual Integrations
APPROVED

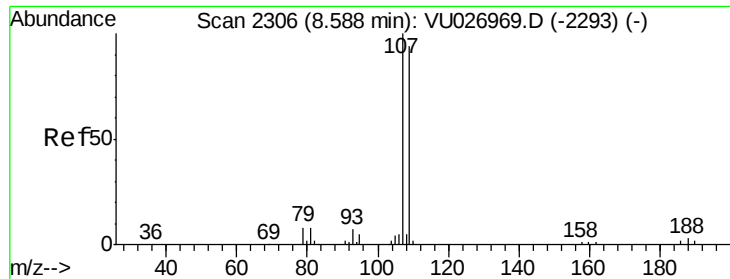
MMDadoda
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#60
Dibromochloromethane
Concen: 50.914 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion	129	127	Ratio	Lower	Upper
129	100				
127	78.8		38.1	114.5	





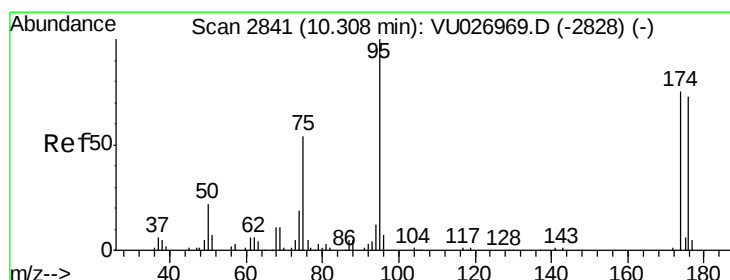
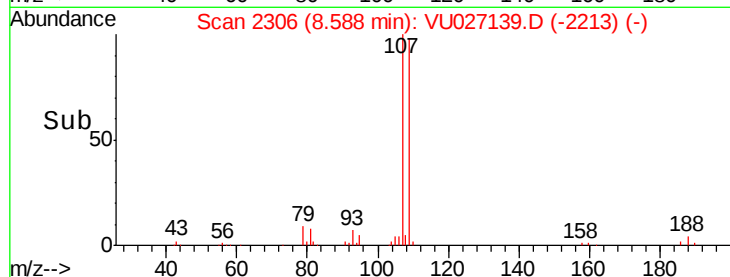
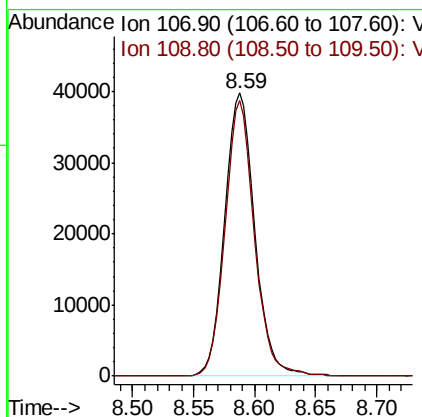
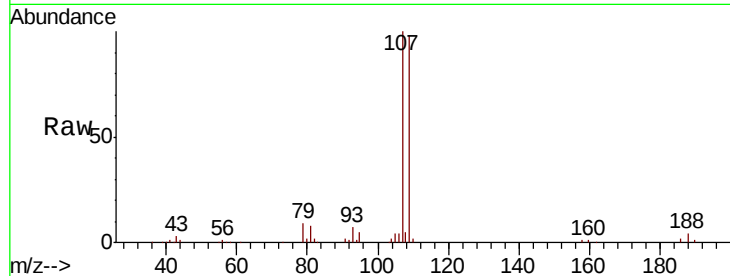
#61
 1,2-Dibromoethane
 Concen: 49.426 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.0	112.6

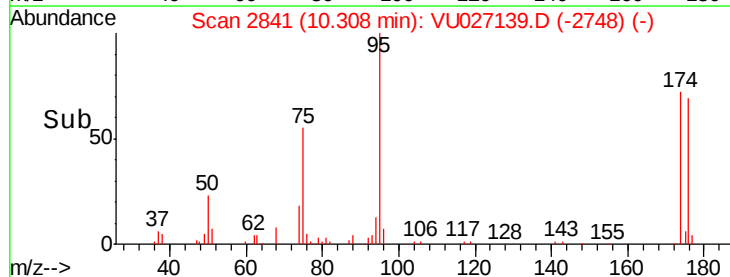
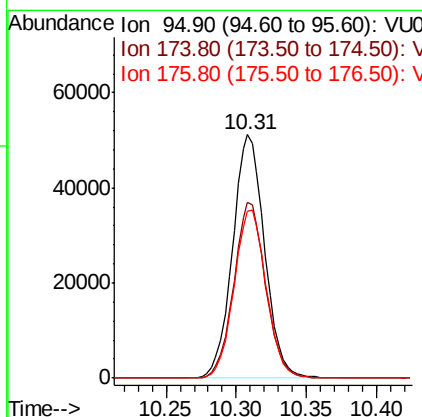
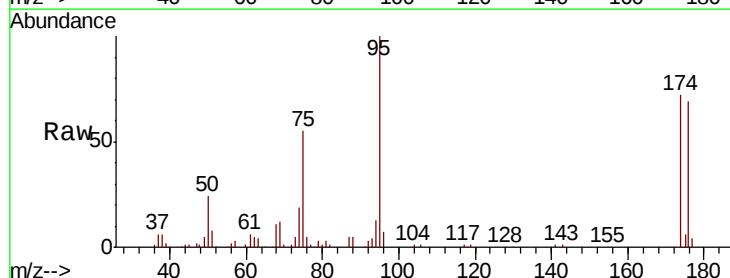
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 52.576 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	150.2
176	69.7	0.0	145.2





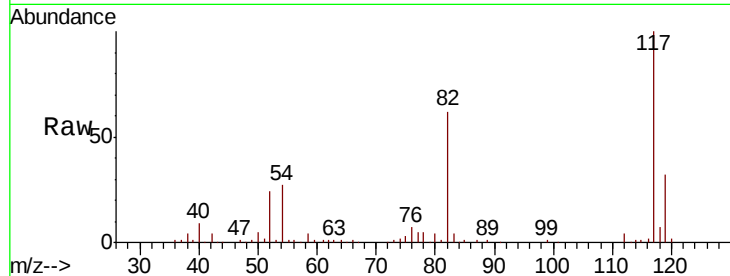
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.4	48.0	72.0
119	32.0	25.8	38.8

Manual Integrations
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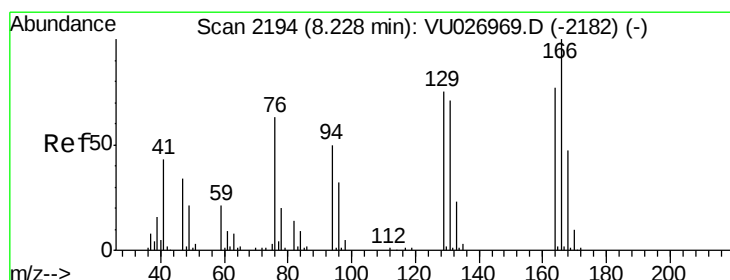
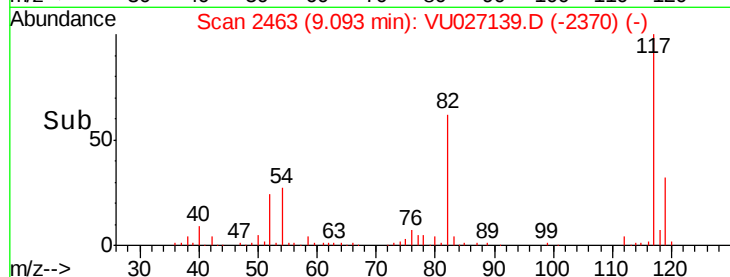
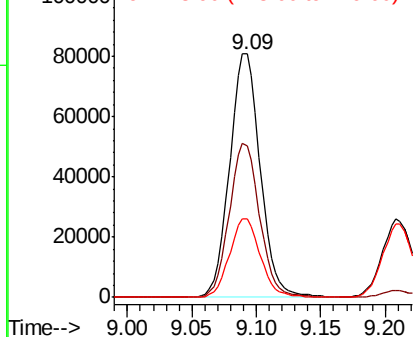


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 46.743 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	104.4	156.6
129	95.2	78.7	118.1
131	92.0	73.9	110.9

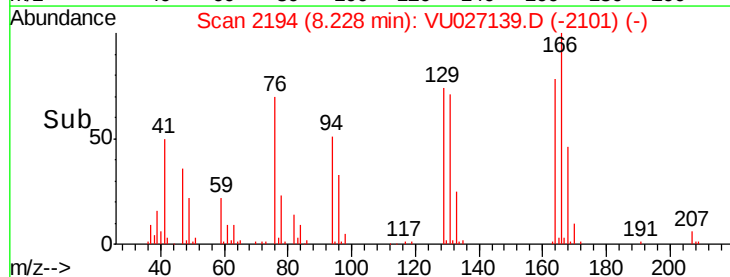
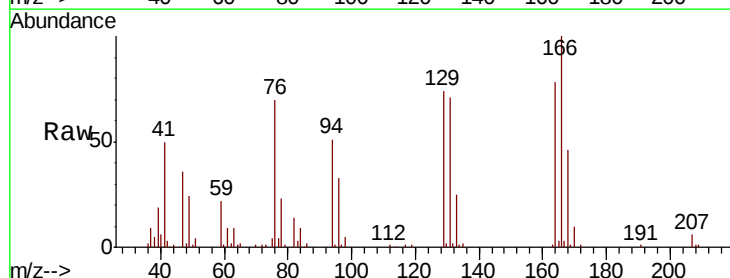
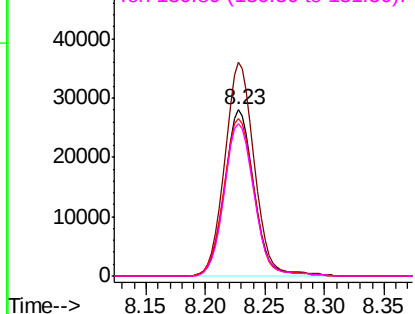
Abundance

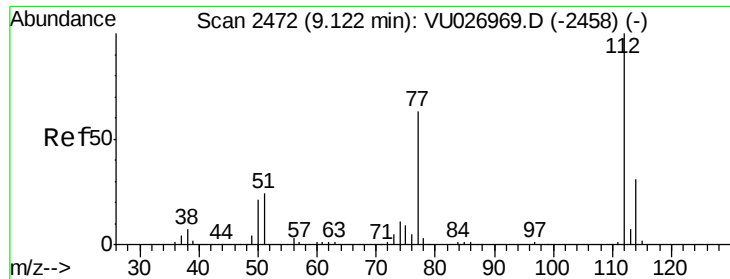
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





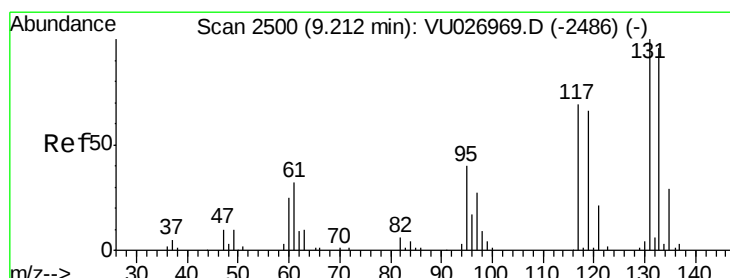
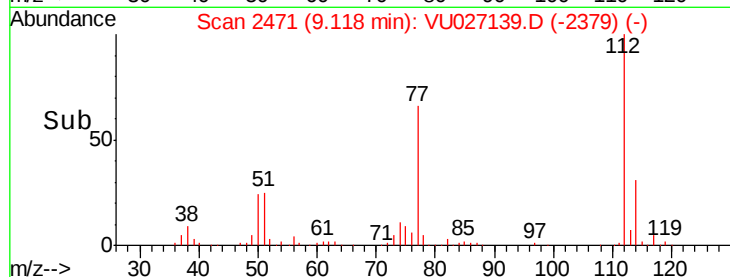
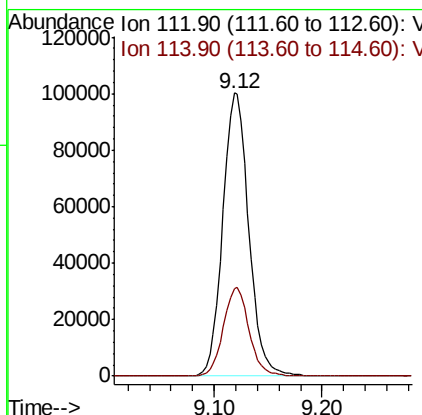
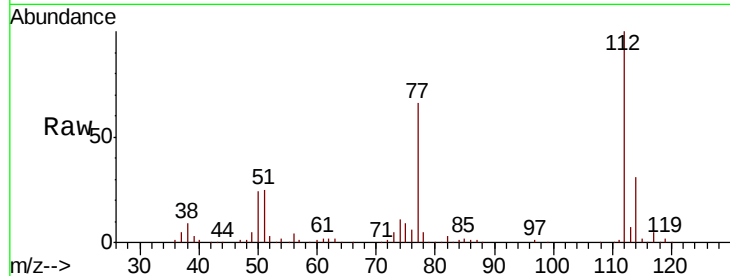
#65
Chlorobenzene
Concen: 47.573 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 168128
Ion Ratio Lower Upper
112 100
114 30.7 25.0 37.6

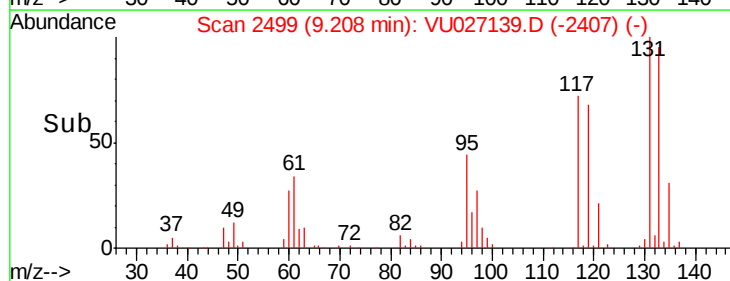
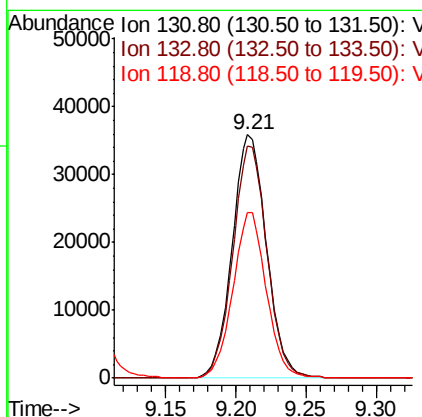
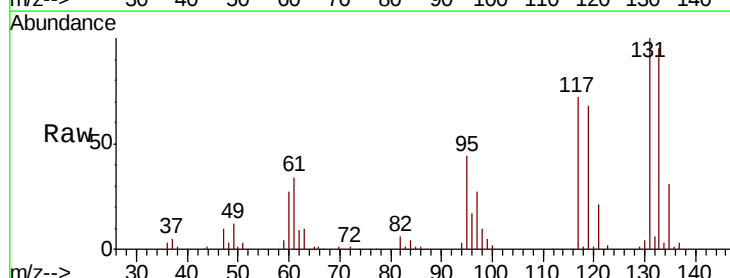
Manual Integrations
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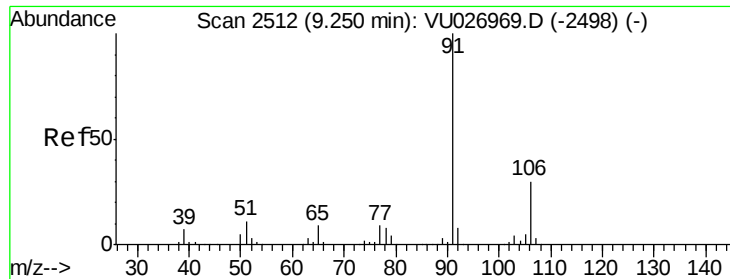
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.242 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion:131 Resp: 61158
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.2
119 66.3 33.4 100.1





#67

Ethyl Benzene

Concen: 52.183 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 303259

Ion Ratio Lower Upper

91 100

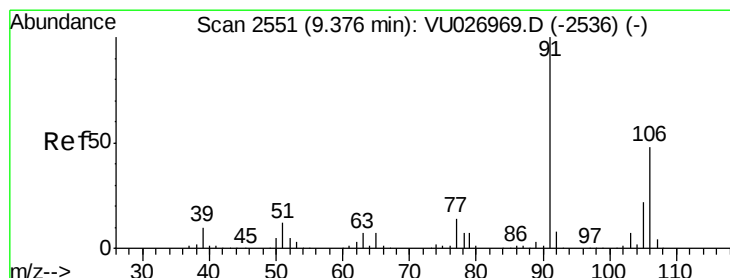
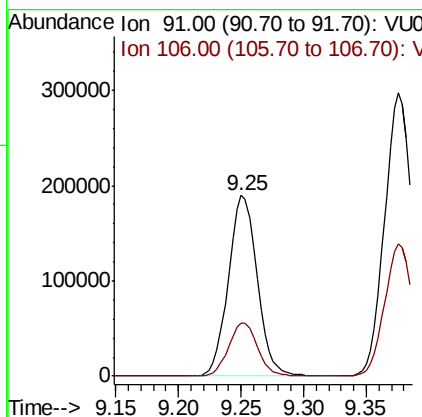
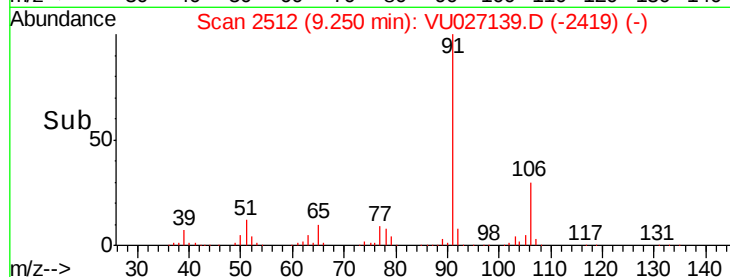
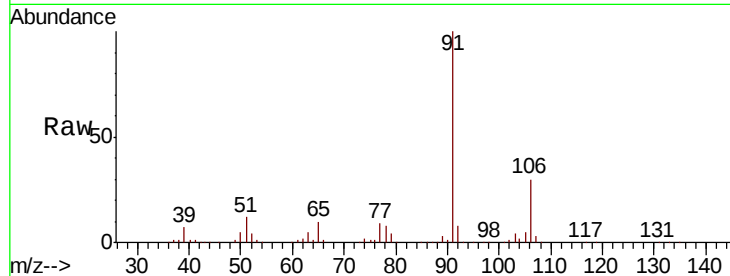
106 29.7 23.8 35.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 96.579 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027139.D

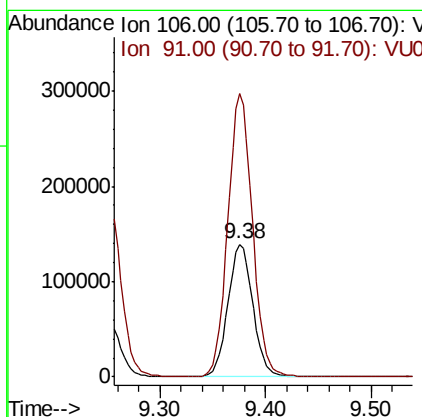
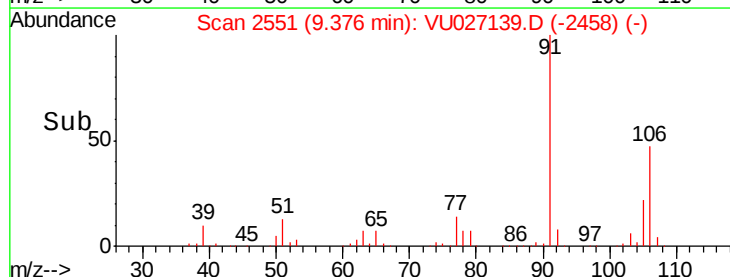
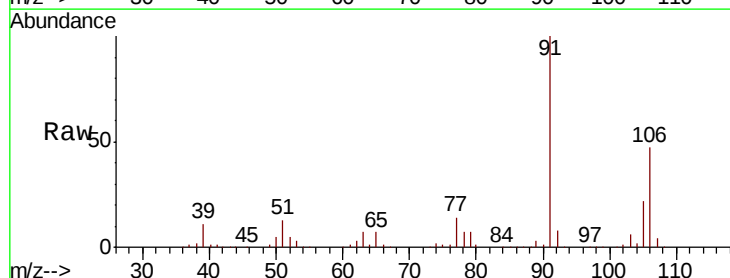
Acq: 25 Sep 2018 20:17

Tgt Ion: 106 Resp: 227182

Ion Ratio Lower Upper

106 100

91 210.6 166.5 249.7





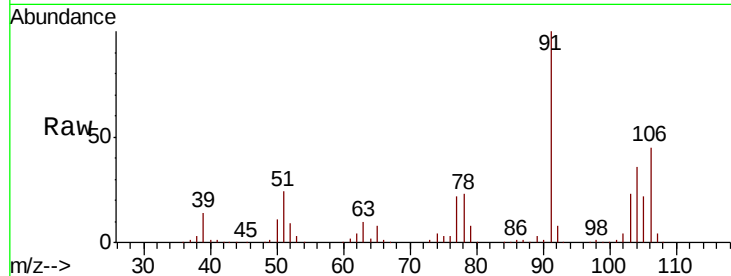
#69
o-Xylene
Concen: 53.001 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

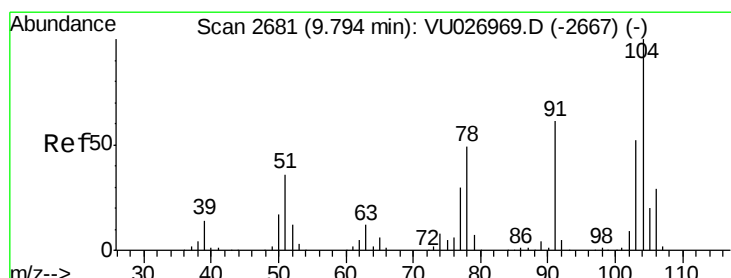
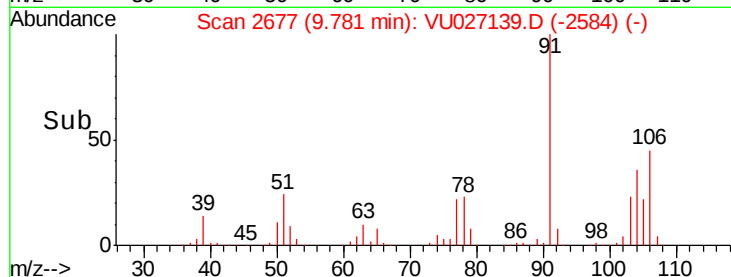
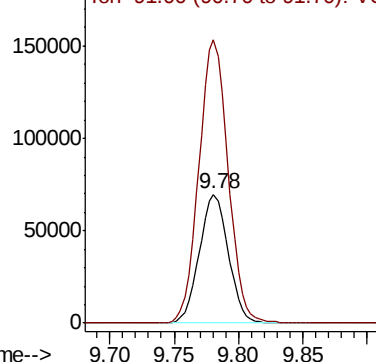
Tot Ion	Ratio	Lower	Upper
106	100		
91	221.4	110.2	330.6

Manual Integrations
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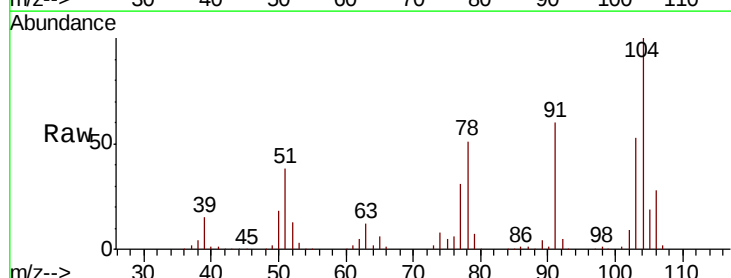


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

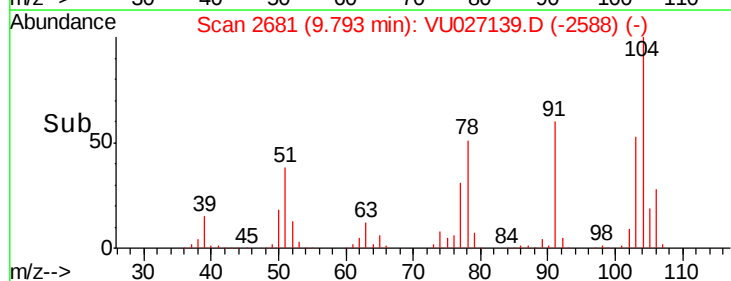
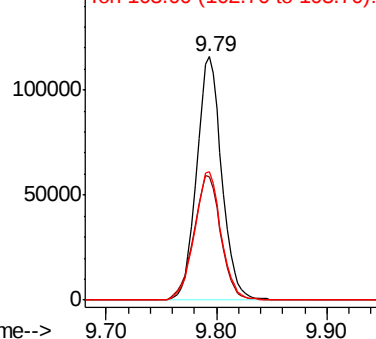


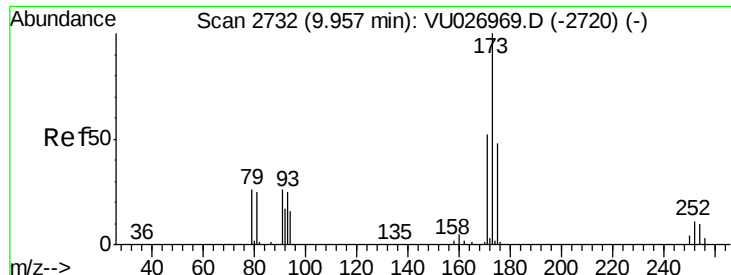
#70
Styrene
Concen: 47.762 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.3	43.0	64.4
103	55.9	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: 50.432 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 47473

Ion Ratio Lower Upper

173 100

175 49.4 23.9 71.8

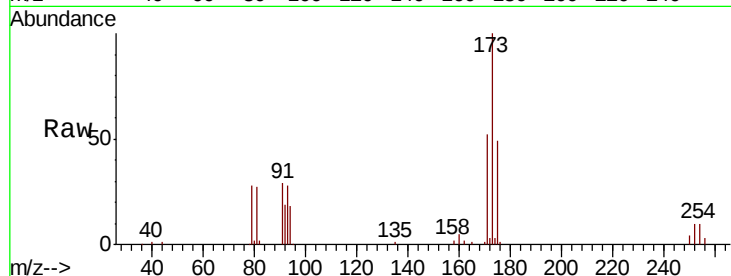
254 0.0 0.0 0.0

Manual Integrations

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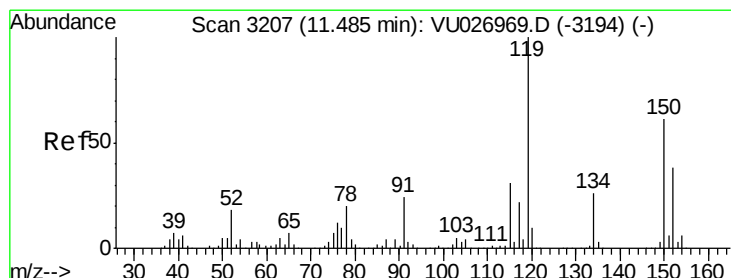
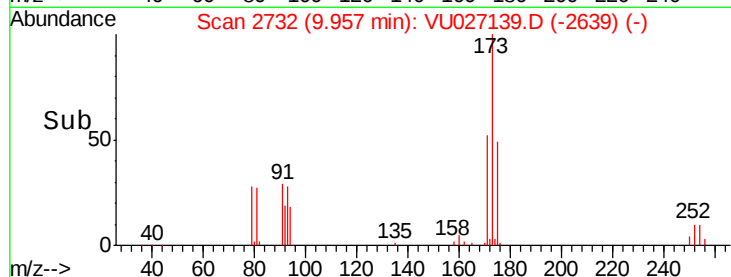
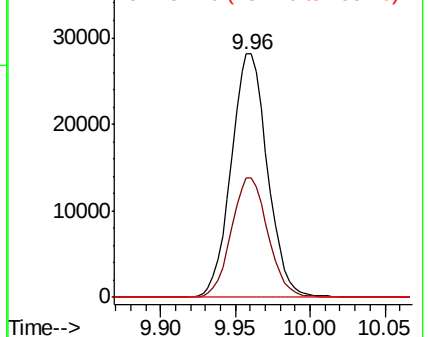
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

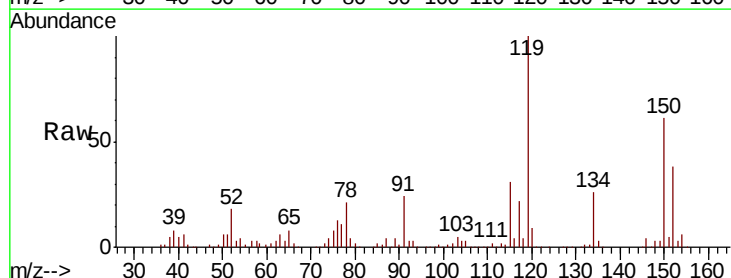
Tgt Ion:152 Resp: 74589

Ion Ratio Lower Upper

152 100

115 88.5 44.9 134.5

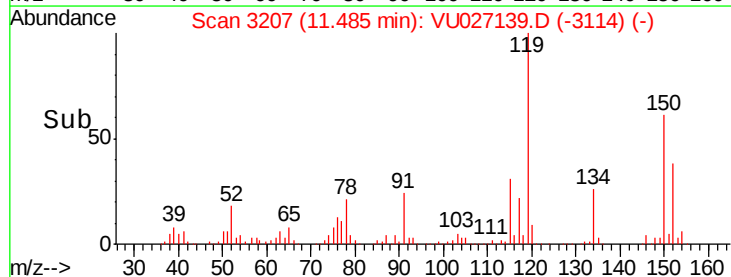
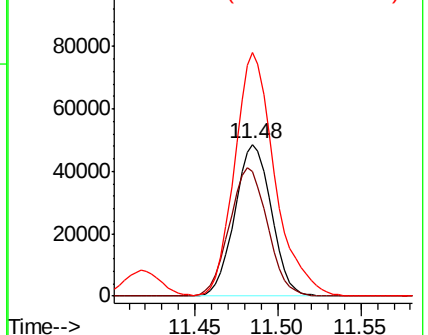
150 175.8 0.0 355.8

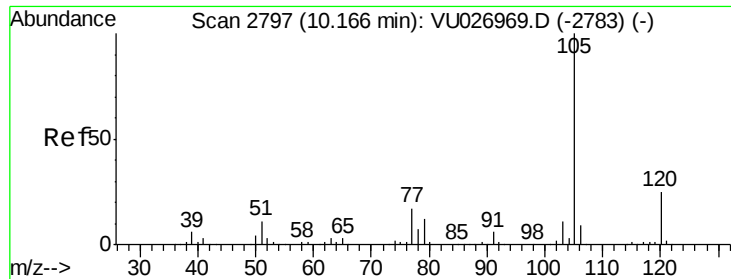


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.699 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 299009

Ion Ratio Lower Upper

105 100

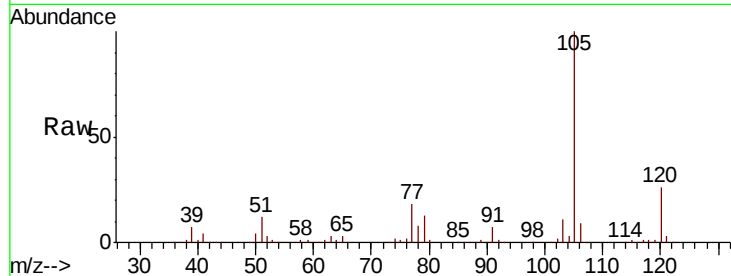
120 25.4 12.8 38.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

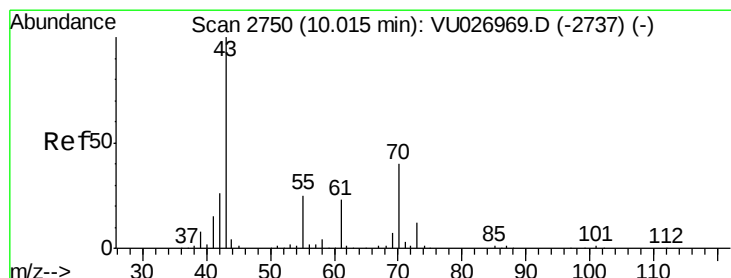
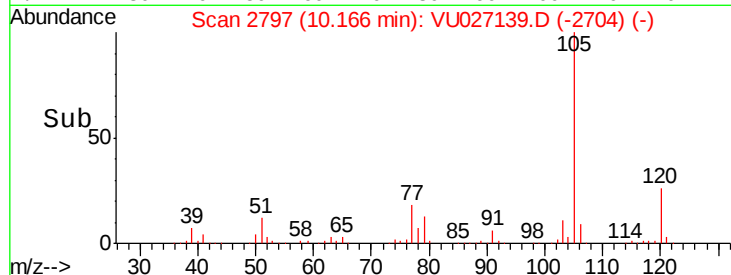
0

10.10

10.17

10.20

Time-->



#74

N-ethyl acetate

Concen: 53.344 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Tgt Ion: 43 Resp: 175199

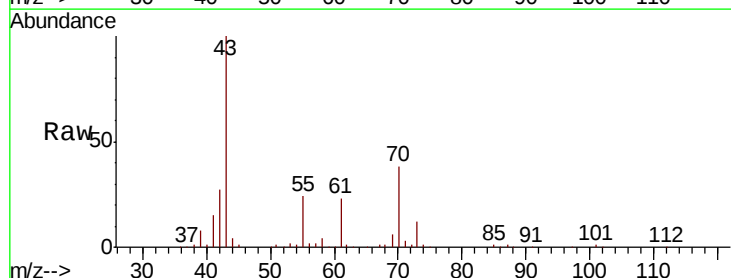
Ion Ratio Lower Upper

43 100

70 38.0 31.8 47.8

55 23.8 19.9 29.9

61 22.1 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

150000

100000

50000

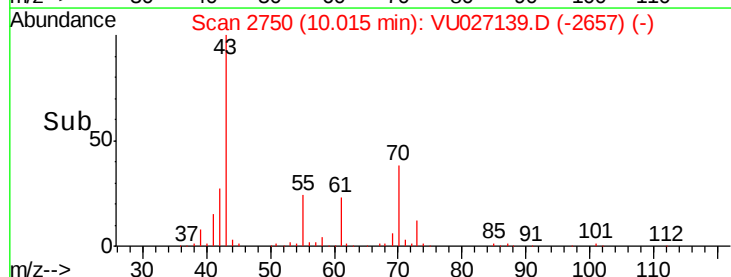
0

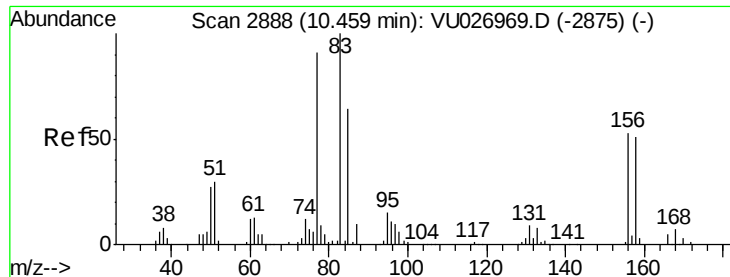
10.00

10.02

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.523 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

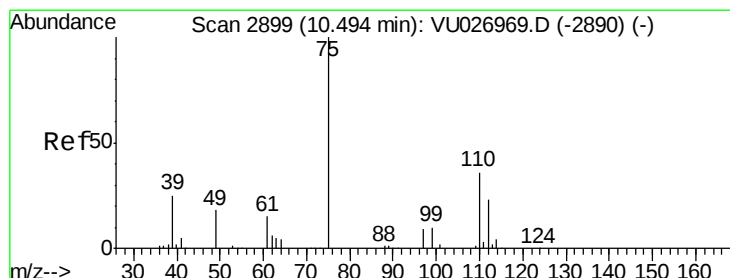
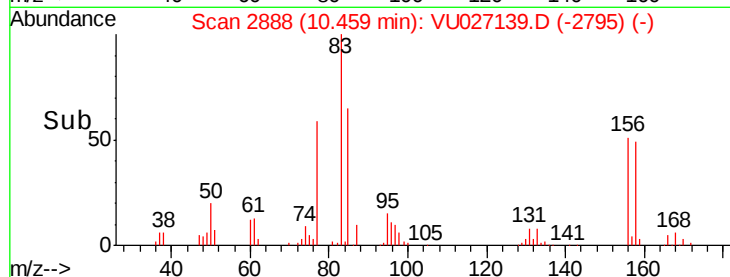
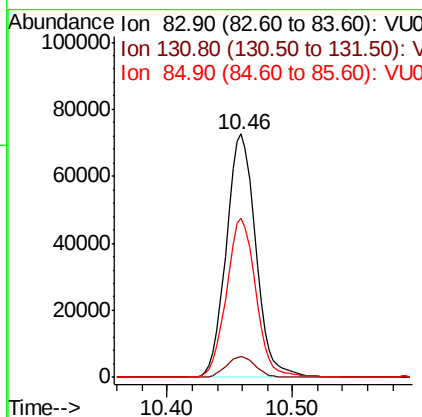
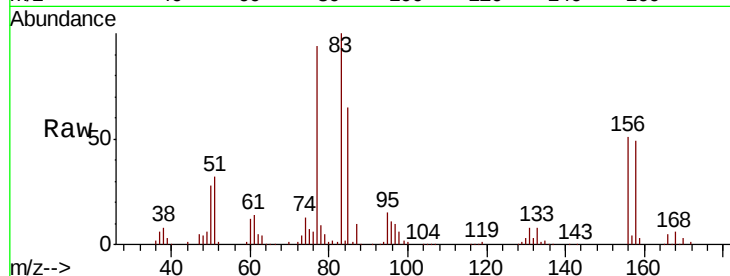
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	118757
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.3	12.8
85	65.2	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.115 ug/l m

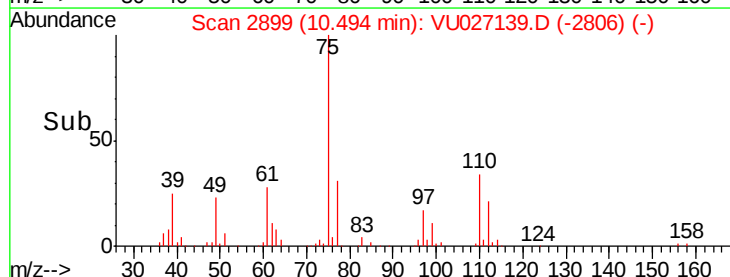
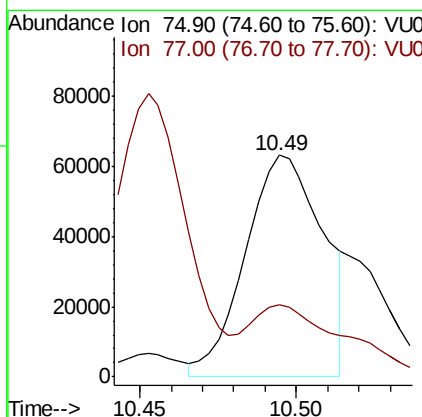
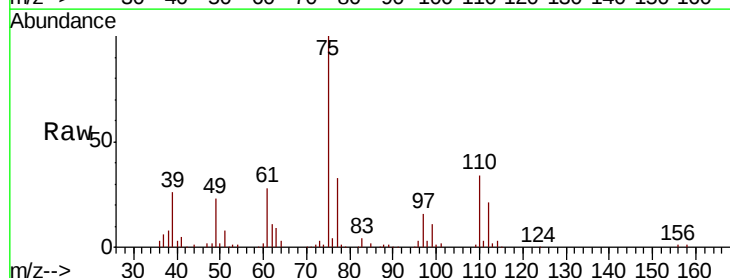
RT: 10.49 min Scan# 2899

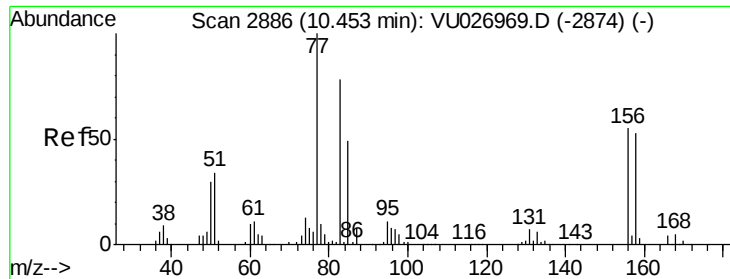
Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Tgt Ion:	75	Resp:	109028
Ion Ratio	Lower	Upper	
75	100		
77	39.3	20.9	62.8





#77

Bromobenzene

Concen: 48.236 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

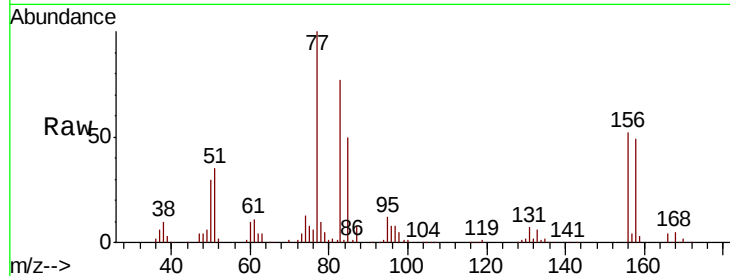
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	66880
Ion	Ratio	Lower	Upper
156	100		
77	196.1	92.3	276.9
158	95.4	48.1	144.3

Manual Integrations
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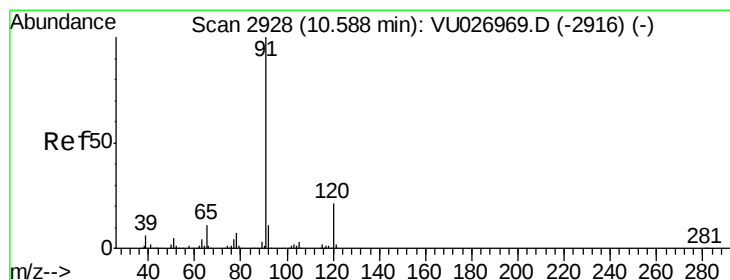
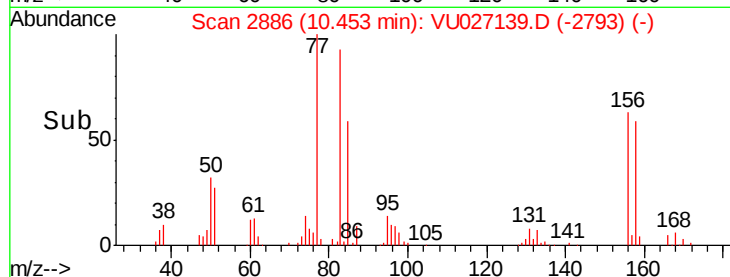
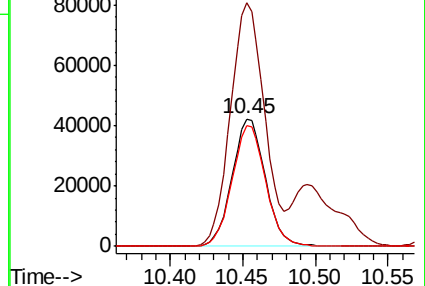
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.172 ug/l

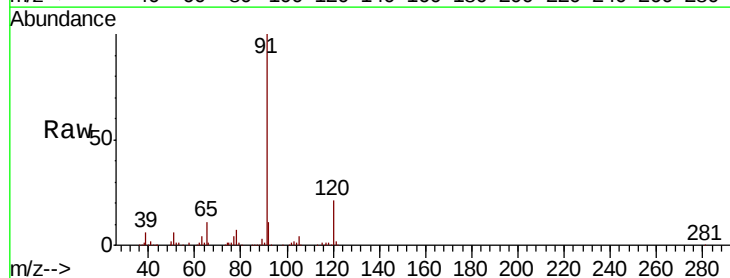
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027139.D

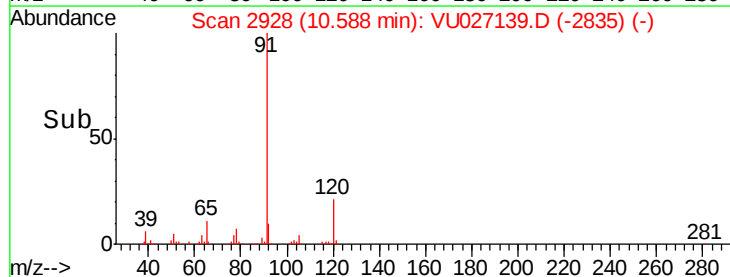
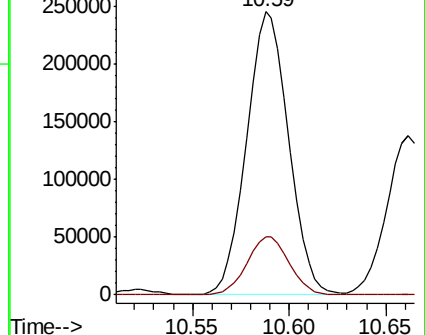
Acq: 25 Sep 2018 20:17

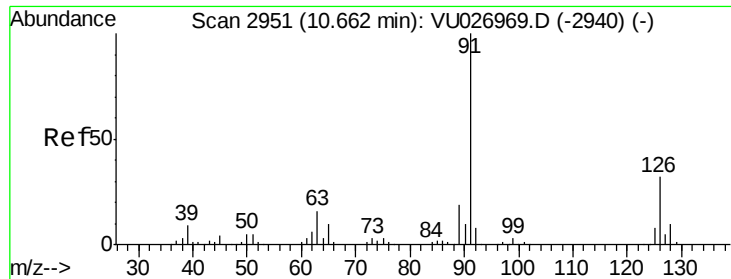
Tgt Ion:	91	Resp:	370397
Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.538 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 217334

Ion Ratio Lower Upper

91 100

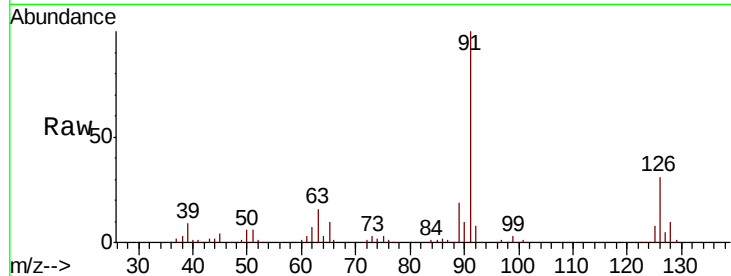
126 30.8 15.8 47.3

Manual Integrations

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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) (-)

250000

200000

150000

100000

50000

0

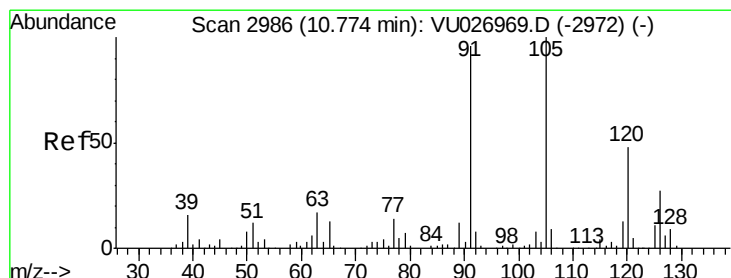
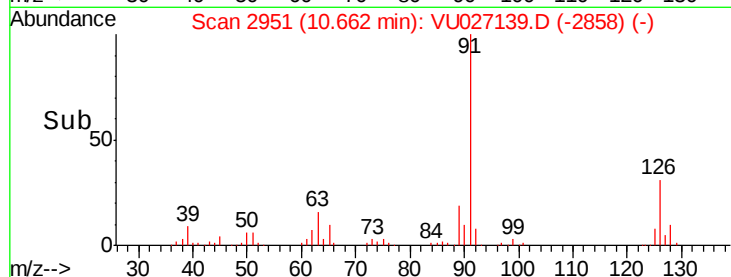
10.60

10.65

10.70

10.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.018 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU027139.D

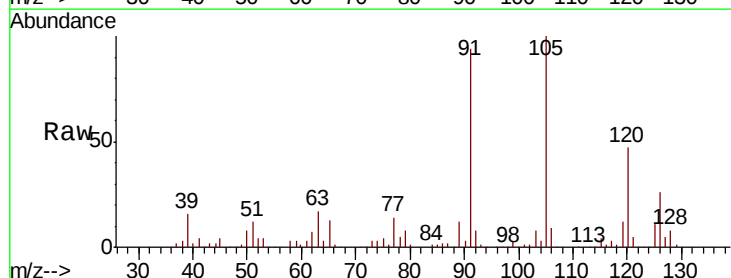
Acq: 25 Sep 2018 20:17

Tgt Ion:105 Resp: 253003

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) (-)

200000

150000

100000

50000

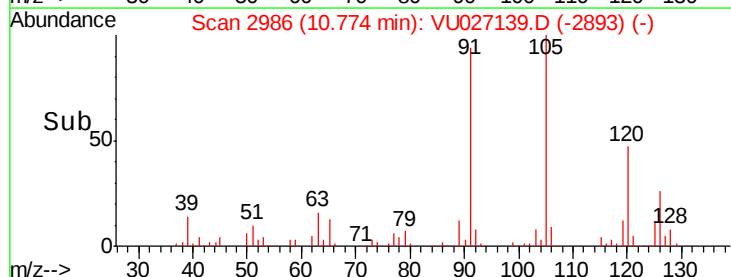
0

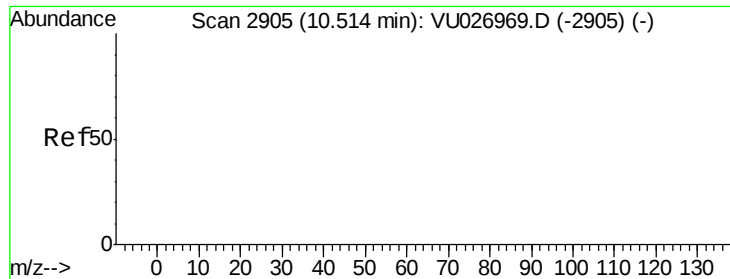
10.70

10.75

10.80

Time-->





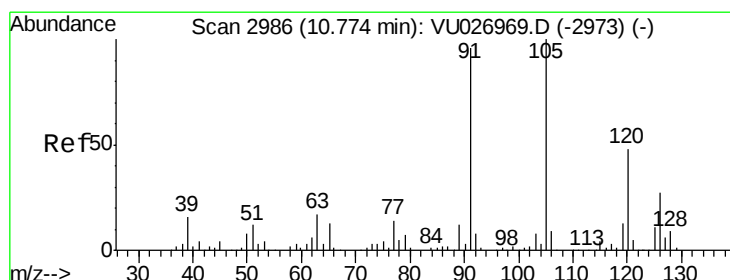
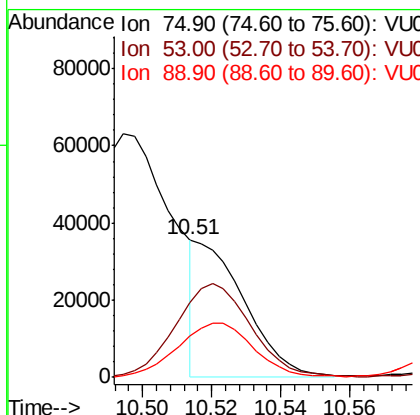
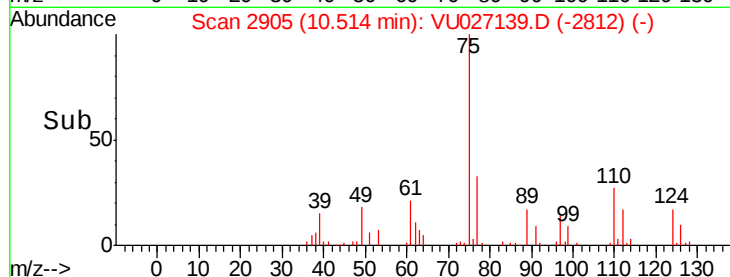
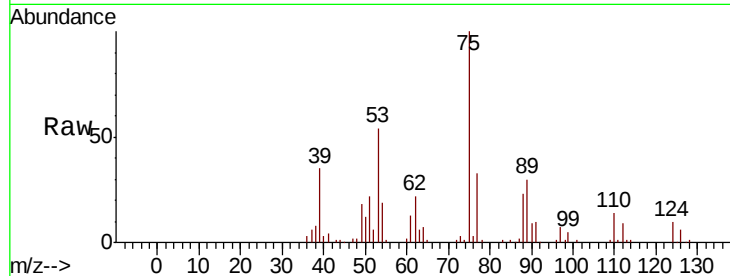
#81
trans-1,4-Dichloro-2-butene
Concen: 48.304 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

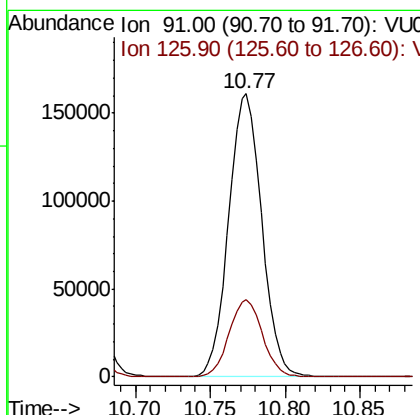
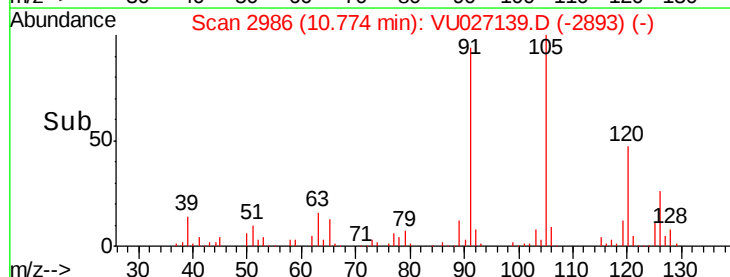
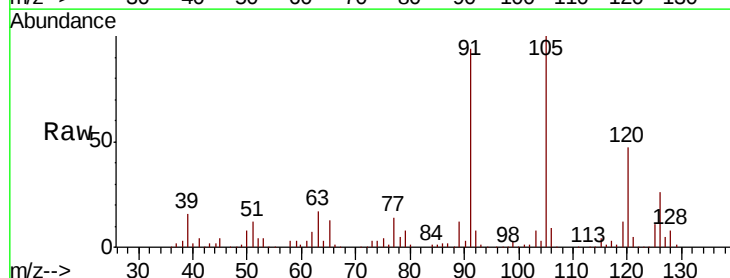
Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:33:15 PM



#82
4-Chlorotoluene
Concen: 52.406 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.1	42.2





#83

tert-Butylbenzene

Concen: 51.092 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

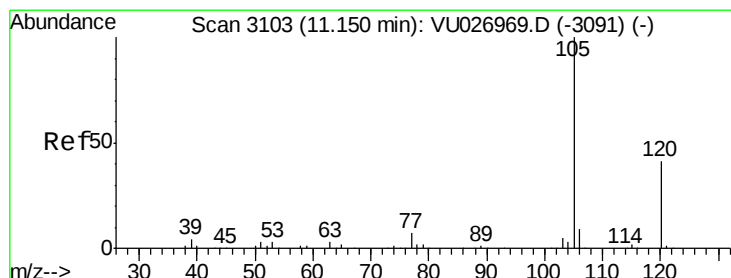
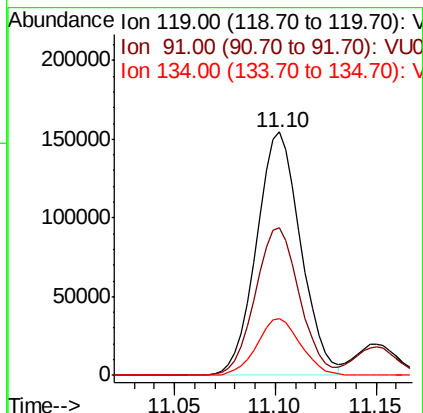
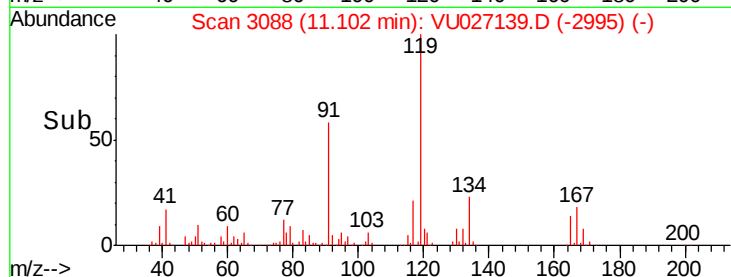
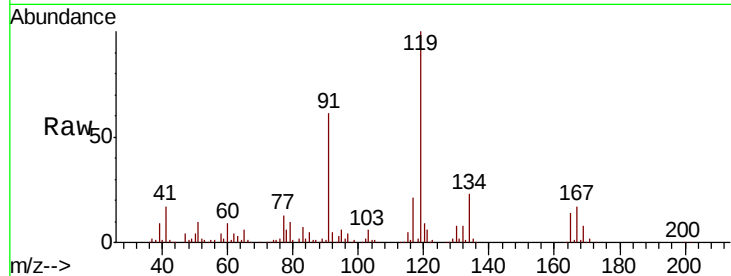
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	236586
Ion Ratio	Lower	Upper	
119	100		
91	60.9	29.8	89.4
134	23.1	11.5	34.4

Manual Integrations
APPROVED

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9/27/2018 3:33:15 PM



#84

1,2,4-Trimethylbenzene

Concen: 54.555 ug/l

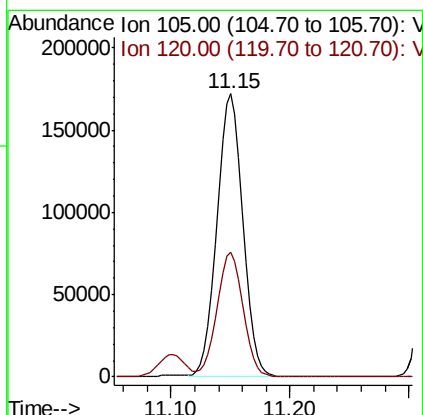
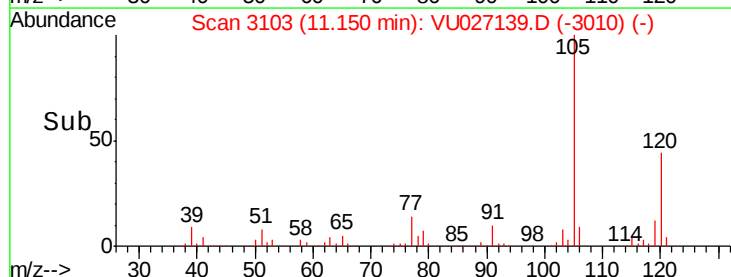
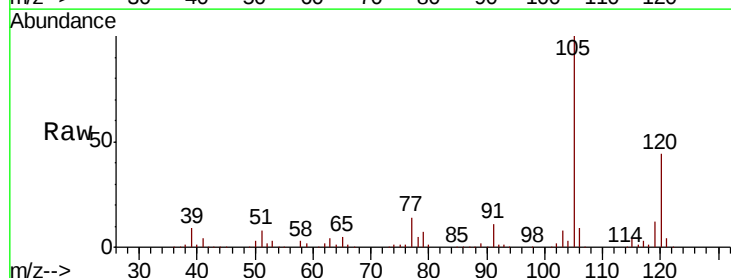
RT: 11.15 min Scan# 3103

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Tgt Ion:	105	Resp:	260039
Ion Ratio	Lower	Upper	
105	100		
120	44.1	22.4	67.2





#85

sec-Butylbenzene

Concen: 54.476 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 307929

Ion Ratio Lower Upper

105 100

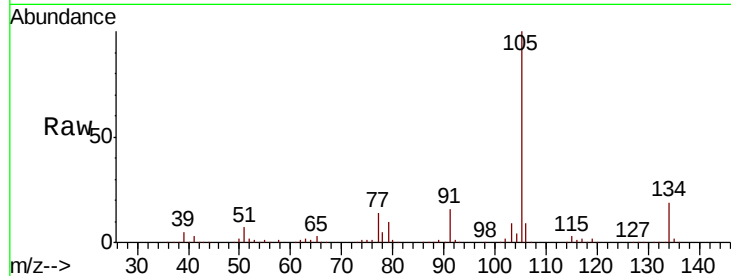
134 18.8 9.4 28.2

Manual Integrations

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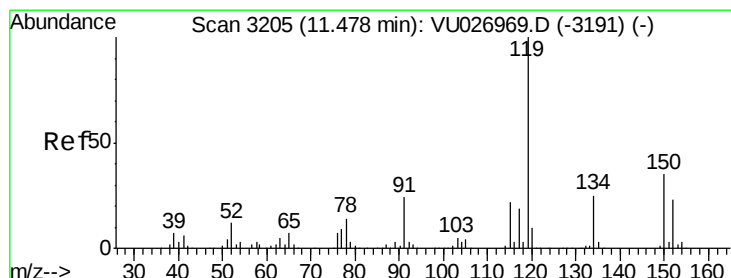
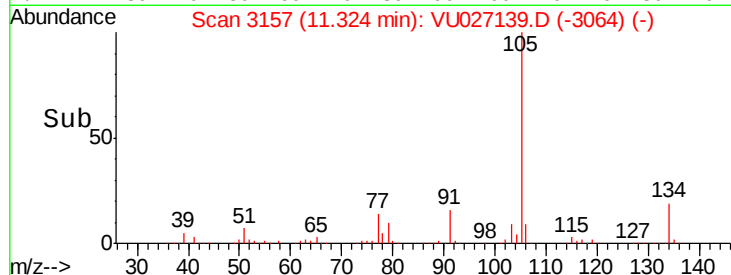
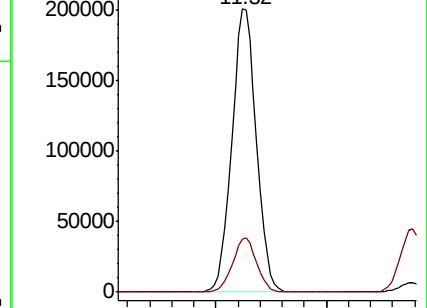
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.017 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

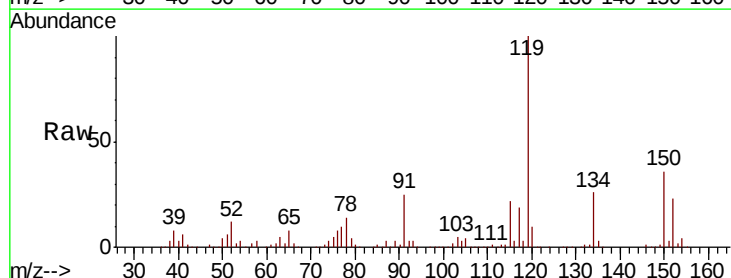
Tgt Ion:119 Resp: 259883

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

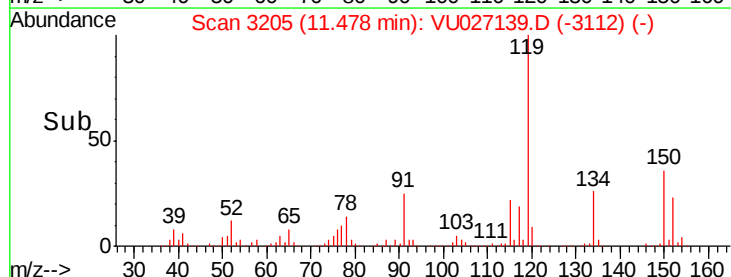
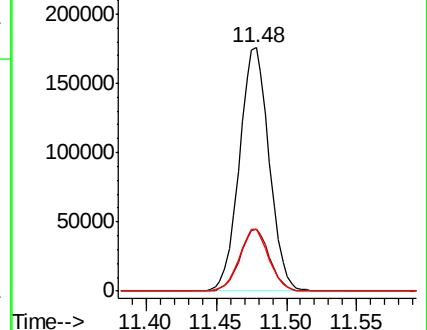
91 25.2 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





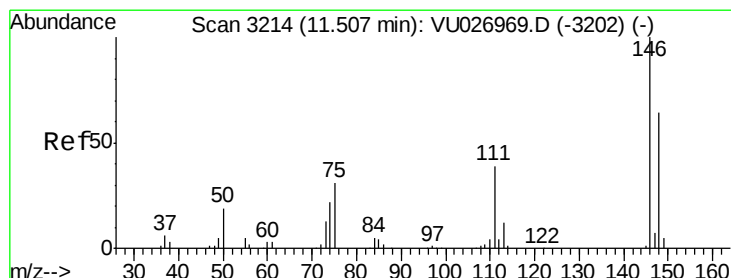
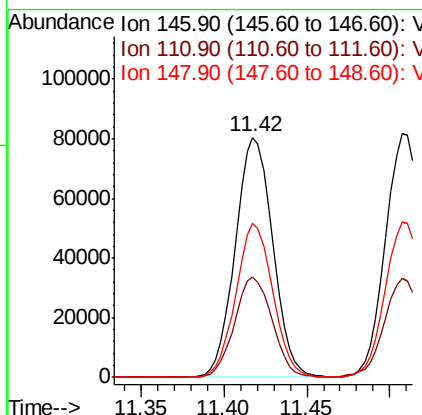
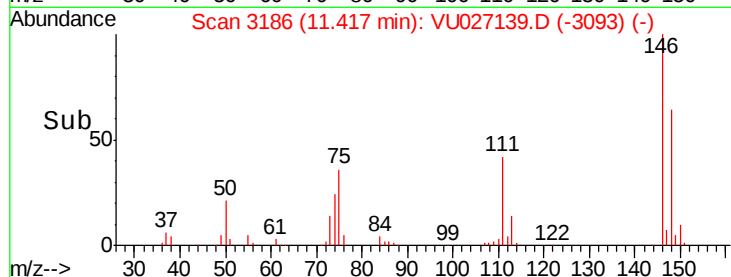
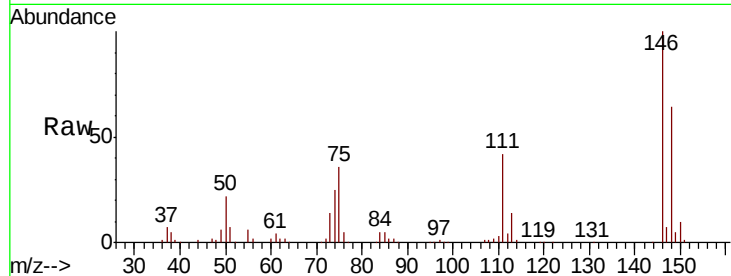
#87
 1,3-Dichlorobenzene
 Concen: 49.183 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.2
148	63.2	32.0	96.2

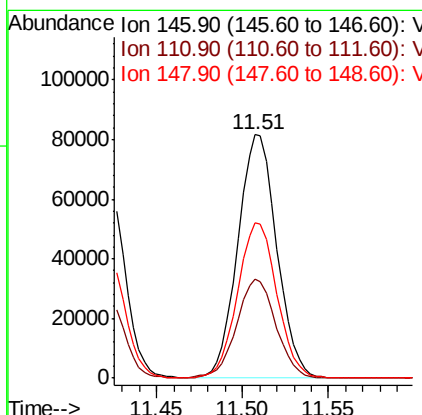
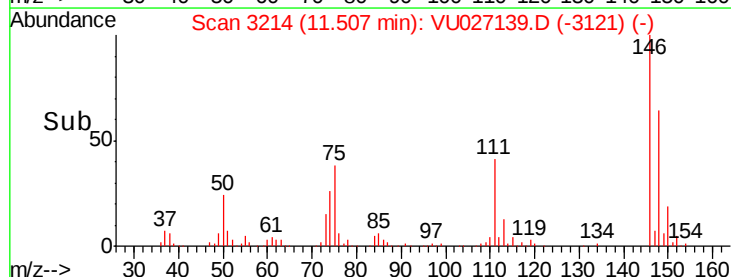
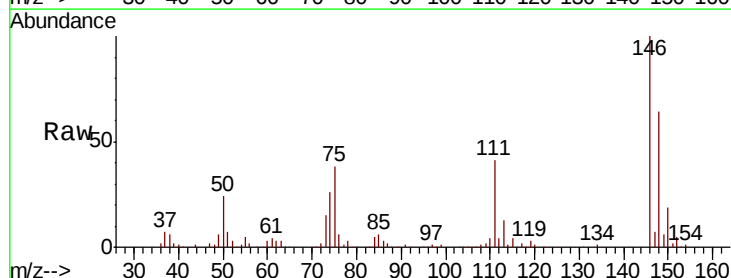
Manual Integrations
 APPROVED

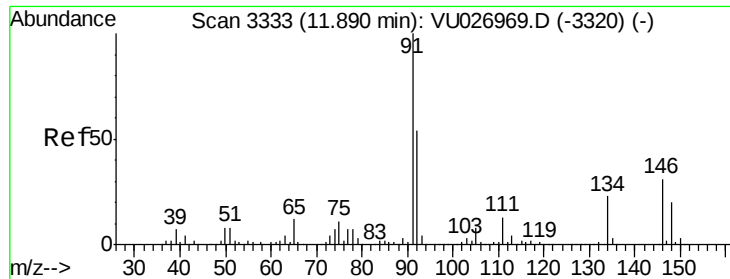
MMDadoda
 9/27/2018 3:33:15 PM



#88
 1,4-Dichlorobenzene
 Concen: 45.224 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	60.9
148	64.9	31.9	95.9





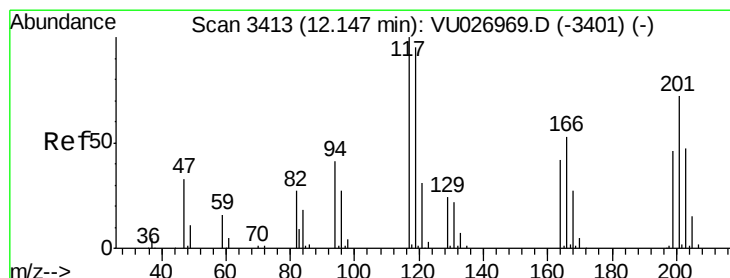
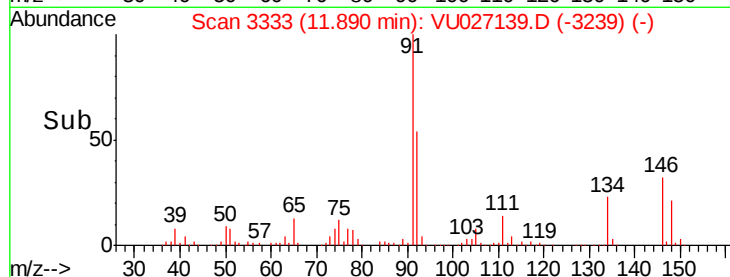
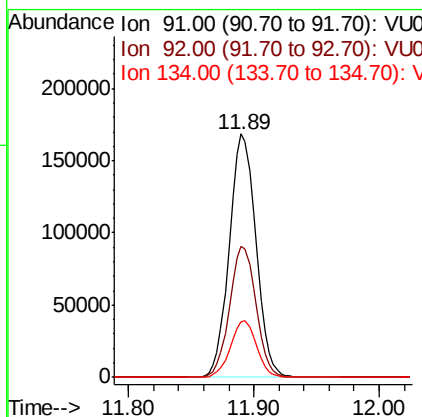
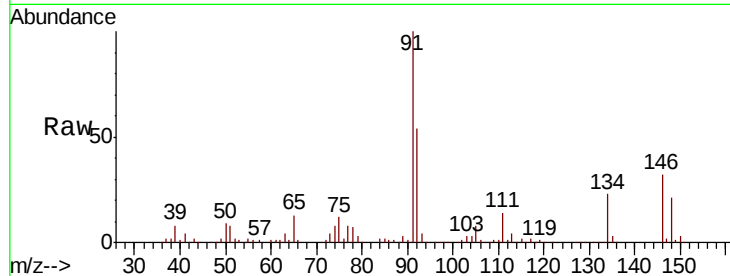
#89
n-Butylbenzene
Concen: 48.463 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.1	81.2
134	22.9	11.7	35.0

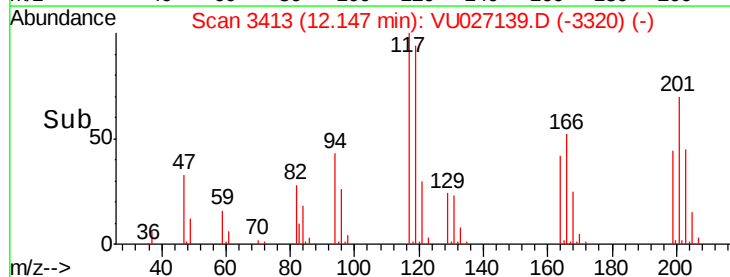
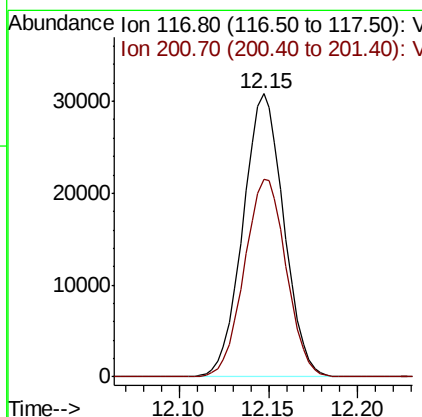
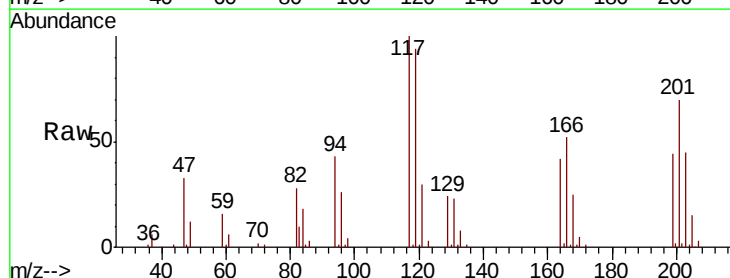
Manual Integrations
APPROVED

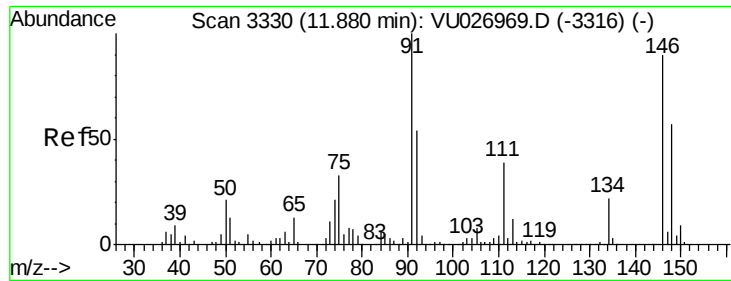
MMDadoda
9/27/2018 3:33:15 PM



#90
Hexachloroethane
Concen: 48.022 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.6	36.8	110.3





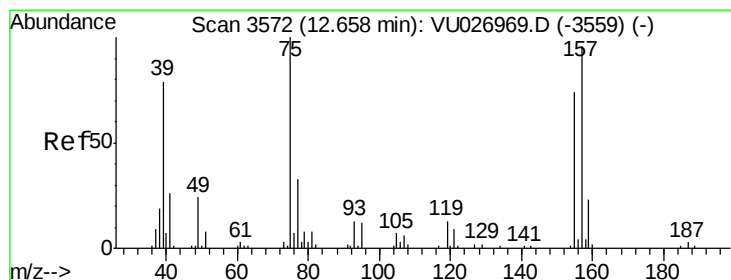
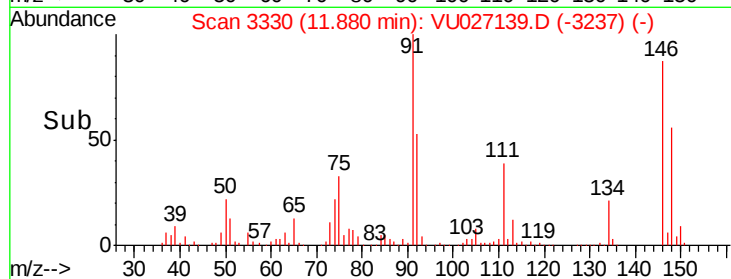
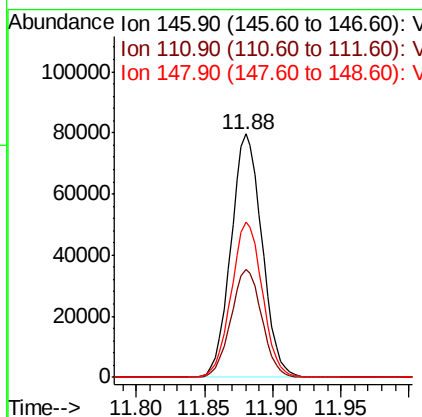
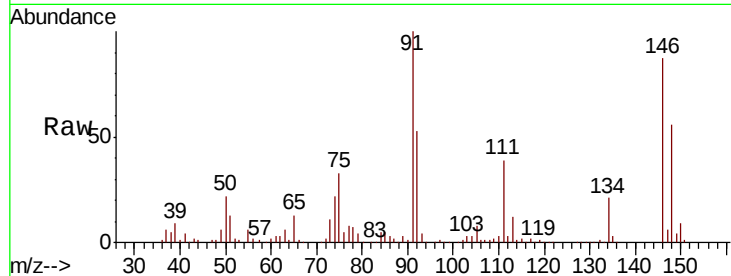
#91
 1,2-Dichlorobenzene
 Concen: 45.936 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.8	65.3
148	63.8	31.9	95.7

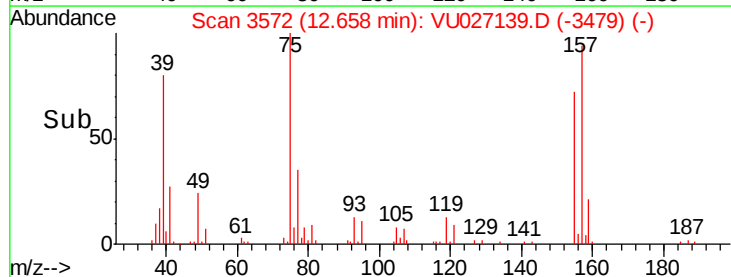
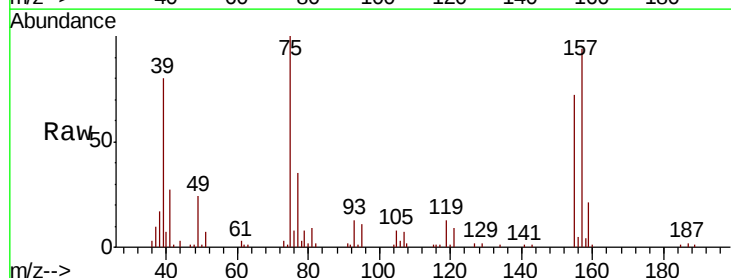
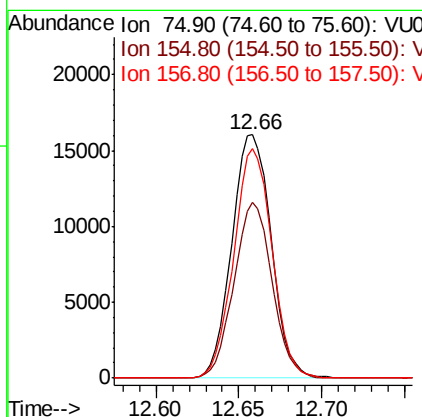
Manual Integrations
 APPROVED

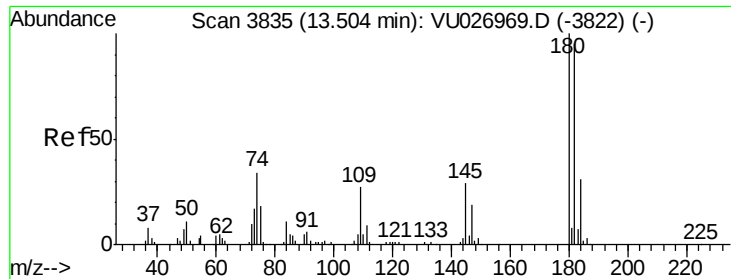
MMDadoda
 9/27/2018 3:33:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.913 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.6	36.6	109.8
157	91.3	47.4	142.2





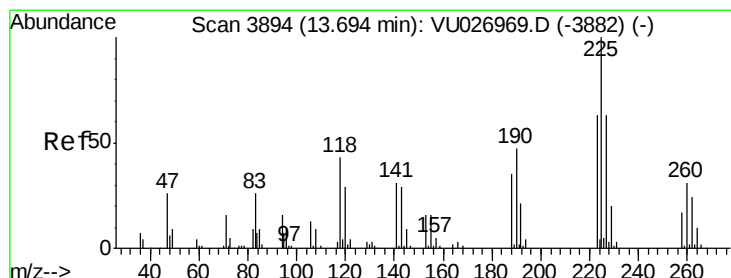
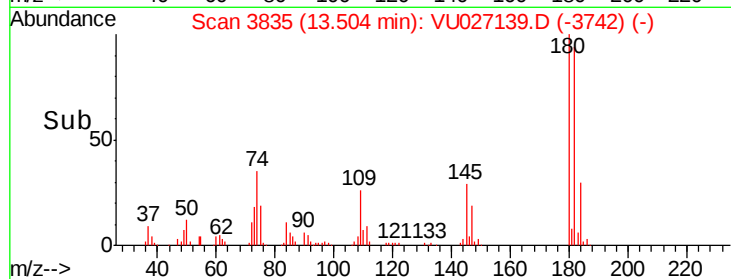
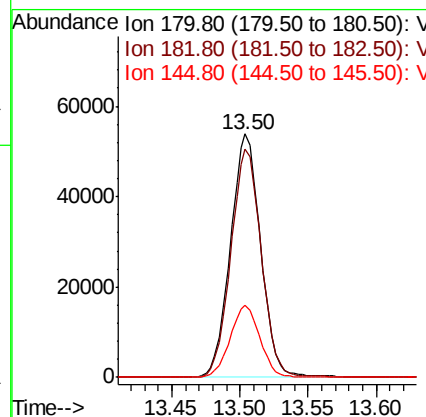
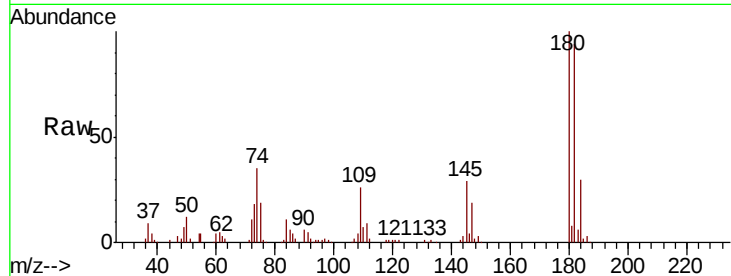
#93
 1,2,4-Trichlorobenzene
 Concen: 52.545 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.4	142.2
145	29.3	14.9	44.5

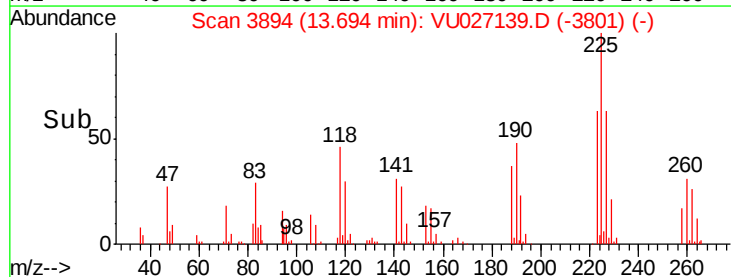
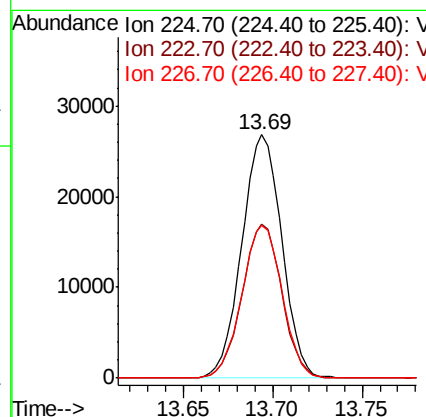
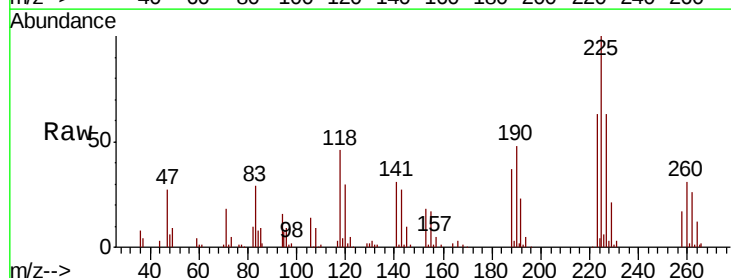
Manual Integrations
 APPROVED

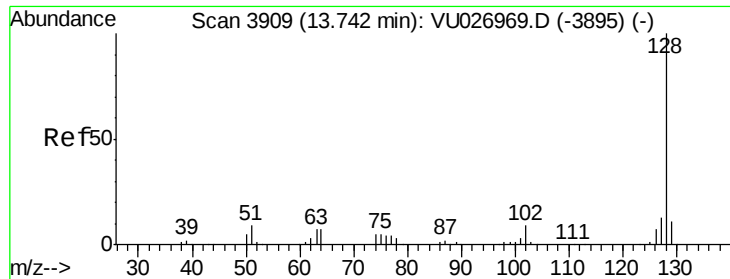
MMDadoda
 9/27/2018 3:33:15 PM



#94
 Hexachlorobutadiene
 Concen: 50.112 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.7
227	63.1	32.1	96.5





#95

Naphthalene

Concen: 46.485 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

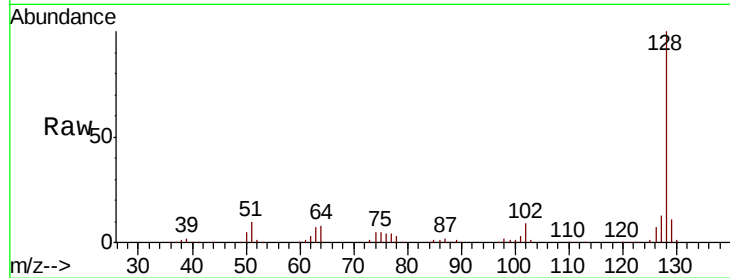
ClientSampleId :

VSTDCCC050

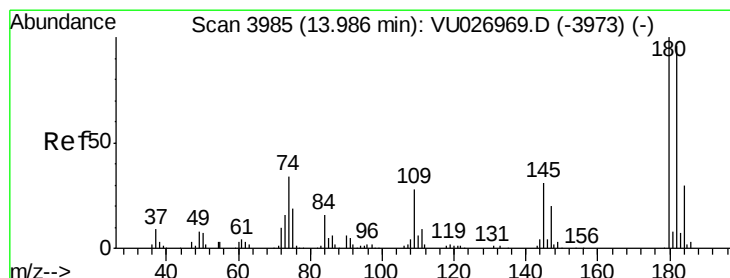
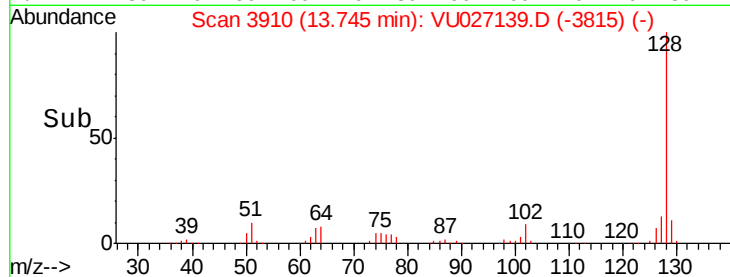
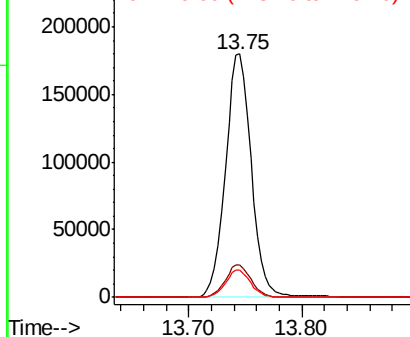
Tot Ion:	128	Resp:	286299
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:33:15 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.760 ug/l

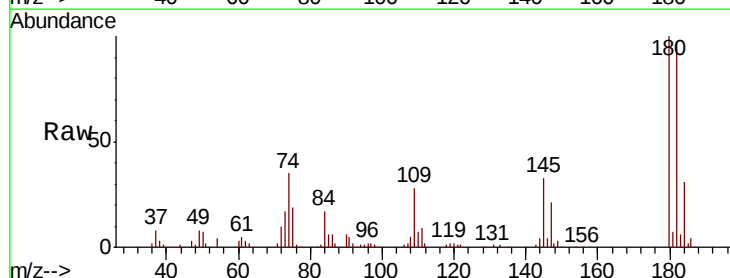
RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Tgt Ion:	180	Resp:	85974
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.5	142.5
145	31.9	15.4	46.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

