

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100418\
 Data File : VU027412.D
 Acq On : 04 Oct 2018 16:45
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:52:34 PM

Quant Time: Oct 05 04:58:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	142167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	236583	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	217862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	114596	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	97553	41.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.18%	
35) Dibromofluoromethane	4.88	113	73187	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	
50) Toluene-d8	7.57	98	278276	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	
62) 4-Bromofluorobenzene	10.31	95	105050	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	93698	45.714	ug/l	99
3) Chloromethane	1.33	50	113899	41.046	ug/l	99
4) Vinyl Chloride	1.40	62	113557	43.533	ug/l	99
5) Bromomethane	1.62	94	66273	58.716	ug/l	99
6) Chloroethane	1.69	64	67285	42.926	ug/l	99
7) Trichlorofluoromethane	1.88	101	120576	45.557	ug/l	100
8) Diethyl Ether	2.11	74	55246	45.313	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	74306	48.343	ug/l	98
10) Methyl Iodide	2.41	142	68811	50.967	ug/l	97
11) Tert butyl alcohol	2.83	59	109971	219.980	ug/l	100
12) 1,1-Dichloroethene	2.28	96	69111	46.022	ug/l	99
13) Acrolein	2.20	56	42900	102.270	ug/l	99
14) Allyl chloride	2.59	41	153862	43.146	ug/l	97
15) Acrylonitrile	2.94	53	300739	231.135	ug/l	99
16) Acetone	2.32	43	277584	197.930	ug/l	97
17) Carbon Disulfide	2.48	76	214275	39.563	ug/l	100
18) Methyl Acetate	2.62	43	155006	48.450	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	281264	46.744	ug/l	98
20) Methylene Chloride	2.70	84	87350	44.714	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	76877	45.598	ug/l	99
22) Diisopropyl ether	3.58	45	328614	45.338	ug/l	99
23) Vinyl Acetate	3.53	43	1419191	224.209	ug/l	99
24) 1,1-Dichloroethane	3.45	63	168292	45.166	ug/l	100
25) 2-Butanone	4.26	43	426067	222.788	ug/l	97
26) 2,2-Dichloropropane	4.23	77	136062	44.440	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	88346	45.821	ug/l	99
28) Bromochloromethane	4.55	49	85986	47.832	ug/l	96
29) Tetrahydrofuran	4.64	42	273962	227.309	ug/l	97
30) Chloroform	4.67	83	149857	45.267	ug/l	100
31) Cyclohexane	5.00	56	158226	41.517	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	125756	45.104	ug/l	99
36) 1,1-Dichloropropene	5.14	75	120534	46.923	ug/l	99
37) Ethyl Acetate	4.38	43	152956	46.073	ug/l	99
38) Carbon Tetrachloride	5.14	117	104529	45.048	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	142529	47.466	ug/l	97
40) Benzene	5.39	78	350571	46.852	ug/l	100
41) Methacrylonitrile	4.54	41	87067	46.400	ug/l	99
42) 1,2-Dichloroethane	5.40	62	128120	46.129	ug/l	100
43) Isopropyl Acetate	5.55	43	243321	47.191	ug/l	99
44) Trichloroethene	6.19	130	79930	47.907	ug/l	99
45) 1,2-Dichloropropane	6.43	63	101046	46.820	ug/l	99
46) Dibromomethane	6.56	93	57829	47.443	ug/l	98
47) Bromodichloromethane	6.76	83	115496	45.664	ug/l	99
48) Methyl methacrylate	6.62	41	122318	47.705	ug/l	99
49) 1,4-Dioxane	6.61	88	44307	1004.314	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	790564	235.954	ug/l	98
52) Toluene	7.64	92	209661	47.340	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	142033	47.895	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	152368	47.795	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	84534	48.141	ug/l	98
56) Ethyl methacrylate	8.02	69	145961	43.706	ug/l	97
57) 1,3-Dichloropropane	8.24	76	159517	46.796	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	411977	223.981	ug/l	98
59) 2-Hexanone	8.36	43	618806	238.089	ug/l	99
60) Dibromochloromethane	8.48	129	83784	47.574	ug/l	99
61) 1,2-Dibromoethane	8.59	107	88703	47.511	ug/l	99
64) Tetrachloroethene	8.23	164	67347	49.658	ug/l	99
65) Chlorobenzene	9.12	112	222355	48.487	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	75961	47.982	ug/l	99
67) Ethyl Benzene	9.25	91	404096	49.736	ug/l	100
68) m/p-Xylenes	9.38	106	300602	101.147	ug/l	100
69) o-Xylene	9.78	106	144022	50.996	ug/l	98
70) Styrene	9.79	104	244159	46.422	ug/l	99
71) Bromoform	9.96	173	61150	48.010	ug/l #	99
73) Isopropylbenzene	10.17	105	394163	47.359	ug/l	99
74) N-amyl acetate	10.02	43	217890	45.730	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	144554	44.232	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	132519m	44.610	ug/l	
77) Bromobenzene	10.45	156	90913	47.001	ug/l	96
78) n-propylbenzene	10.59	91	486268	48.622	ug/l	99
79) 2-Chlorotoluene	10.66	91	278587	46.135	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	330019	48.703	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	50572m	44.554	ug/l	
82) 4-Chlorotoluene	10.77	91	328523	47.941	ug/l	99
83) tert-Butylbenzene	11.10	119	316580	48.328	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	342255	49.446	ug/l	99
85) sec-Butylbenzene	11.32	105	407815	49.410	ug/l	99
86) p-Isopropyltoluene	11.48	119	356782	50.486	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	174394	47.614	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	178034	47.567	ug/l	100
89) n-Butylbenzene	11.89	91	357101	47.711	ug/l	99
90) Hexachloroethane	12.15	117	58670	44.044	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	170287	47.764	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	32379	44.705	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	128803	55.834	ug/l	99
94) Hexachlorobutadiene	13.69	225	59337	50.910	ug/l	99
95) Naphthalene	13.74	128	411557	47.586	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	128714	53.556	ug/l	99

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

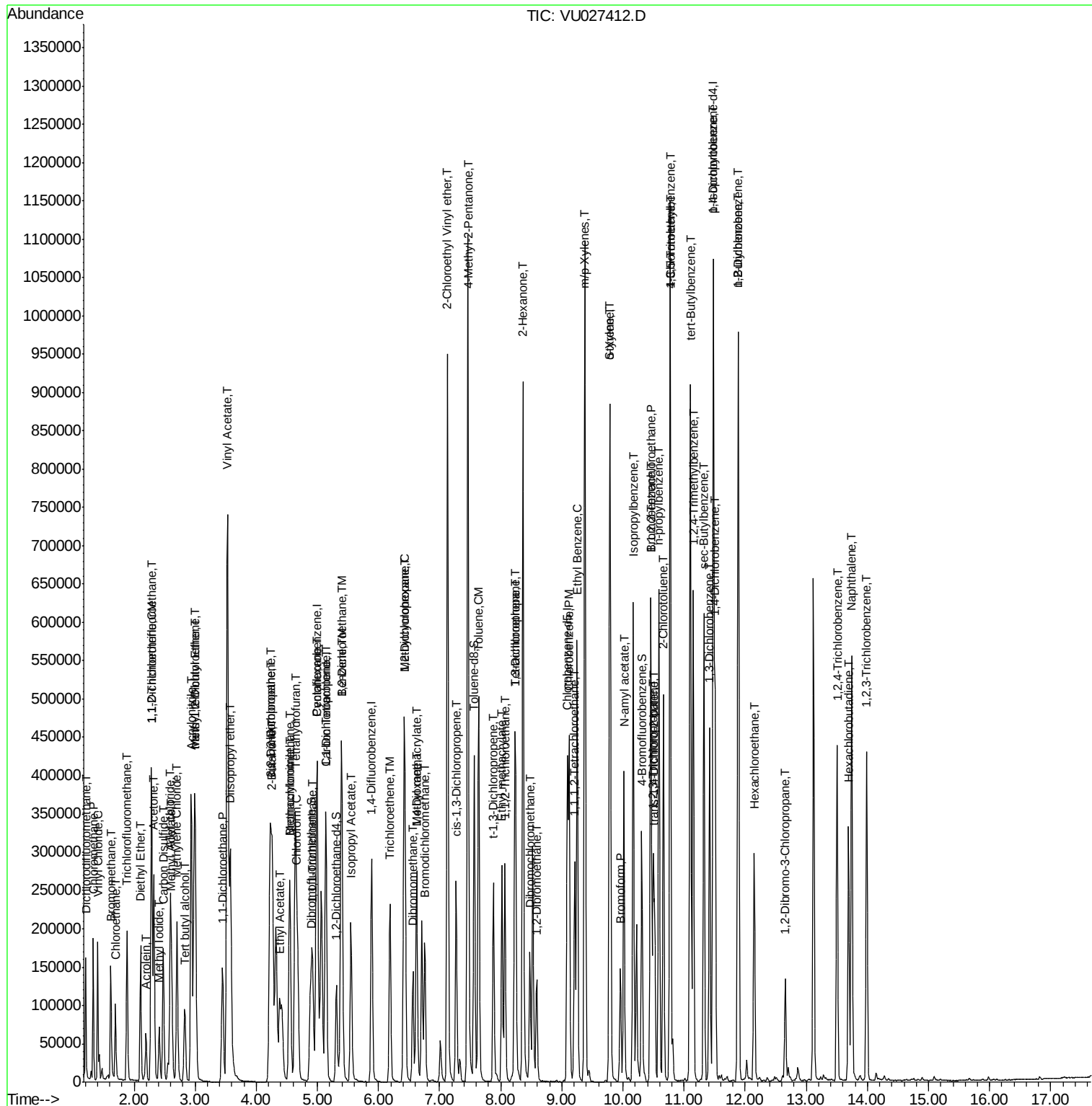
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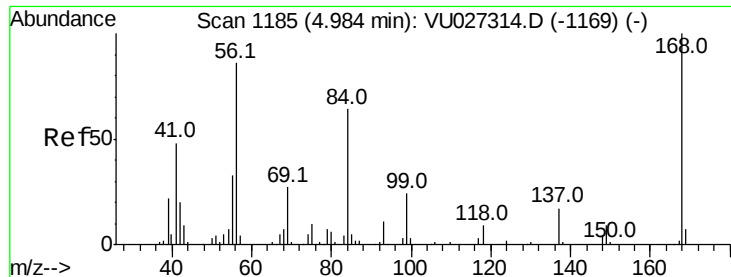
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 142167

Ion Ratio Lower Upper

168 100

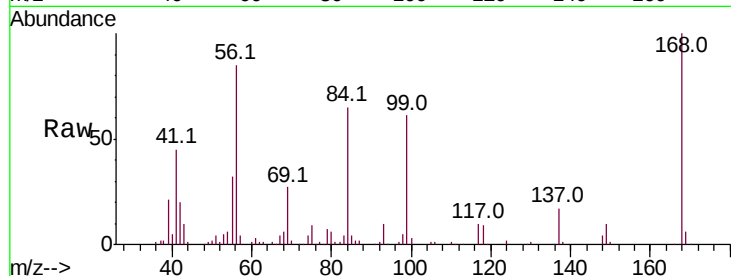
99 60.2 50.8 76.2

Manual Integrations

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10/8/2018 1:52:34 PM



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

60000

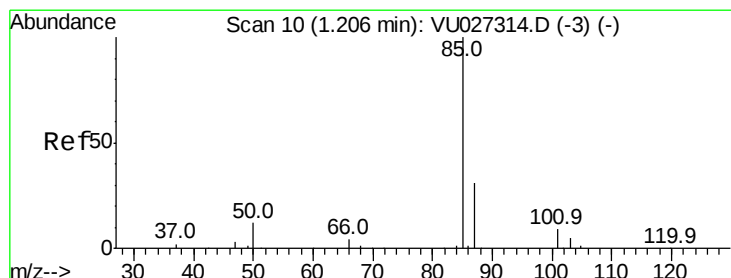
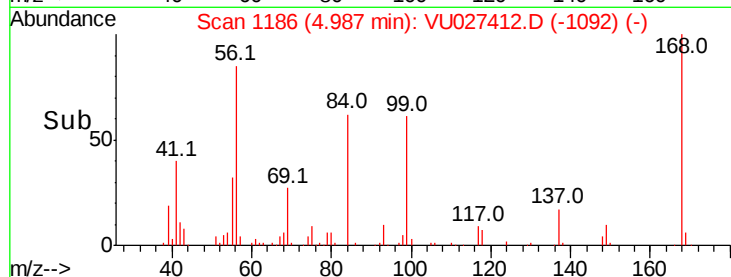
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.714 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027412.D

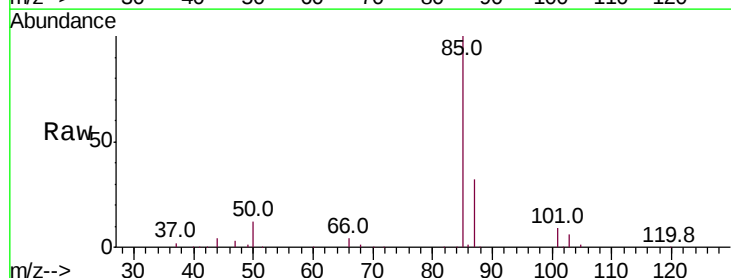
Acq: 04 Oct 2018 16:45

Tgt Ion: 85 Resp: 93698

Ion Ratio Lower Upper

85 100

87 31.8 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027314.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027314.D (-3) (-)

1.21

100000

80000

60000

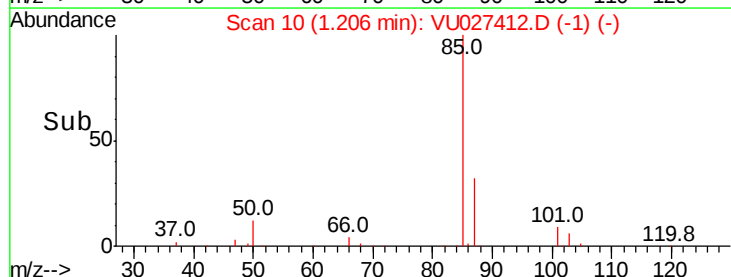
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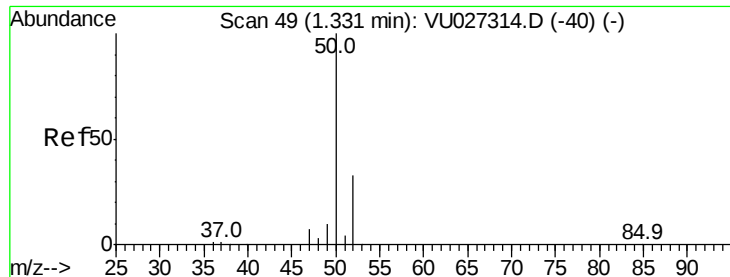
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 41.046 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 113899

Ion Ratio Lower Upper

50 100

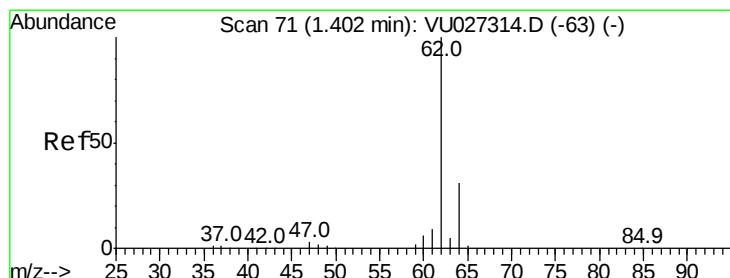
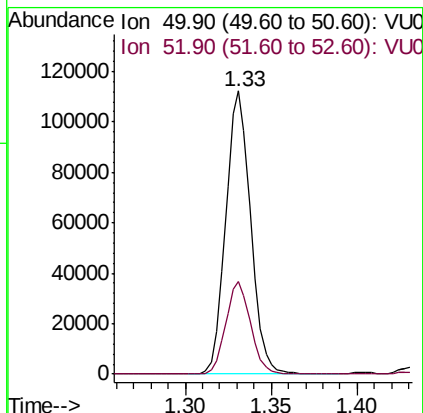
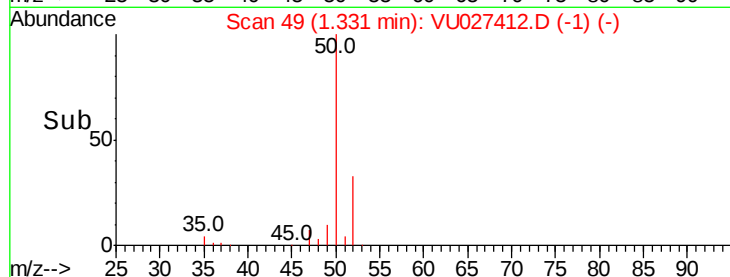
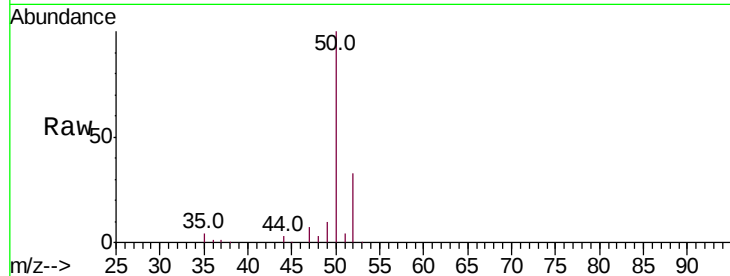
52 32.5 26.5 39.7

Manual Integrations

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10/8/2018 1:52:34 PM



#4

Vinyl Chloride

Concen: 43.533 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027412.D

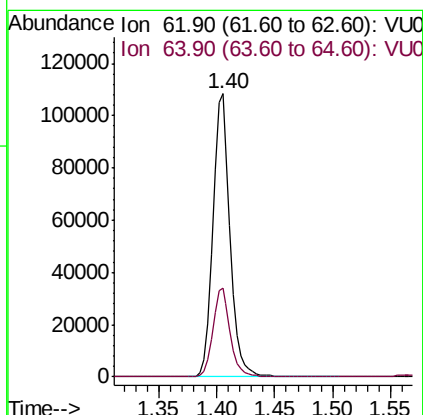
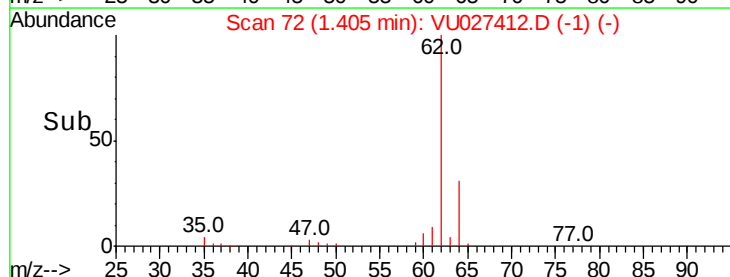
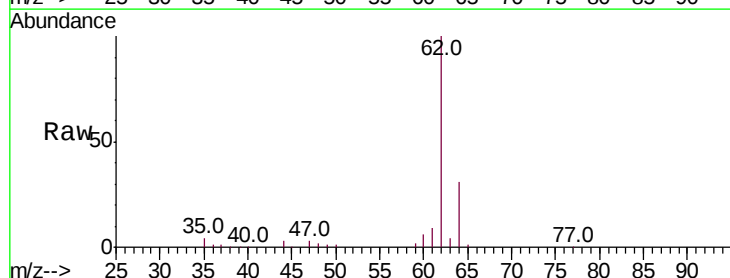
Acq: 04 Oct 2018 16:45

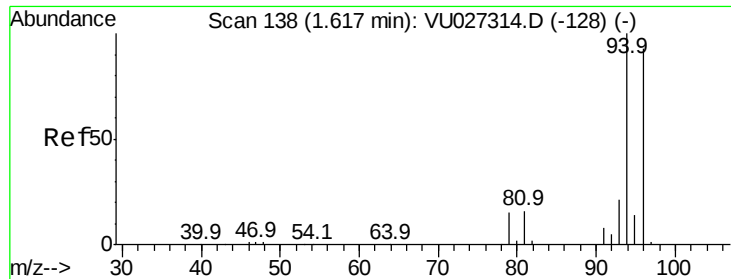
Tgt Ion: 62 Resp: 113557

Ion Ratio Lower Upper

62 100

64 31.4 24.9 37.3





#5

Bromomethane

Concen: 58.716 ug/l

RT: 1.62 min Scan# 138

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 66273

Ion Ratio Lower Upper

94 100

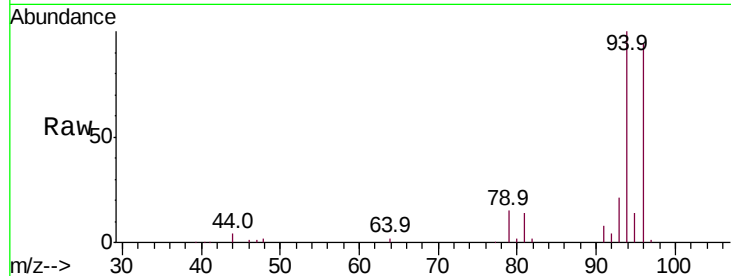
96 94.4 74.6 111.8

Manual Integrations

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10/8/2018 1:52:34 PM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

60000

50000

40000

30000

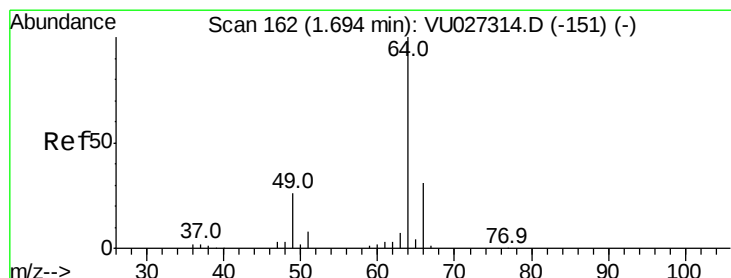
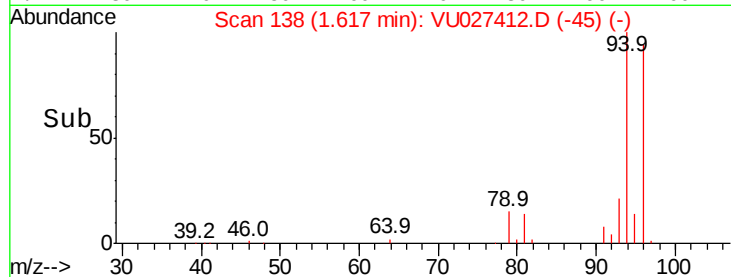
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10000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 42.926 ug/l

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU027412.D

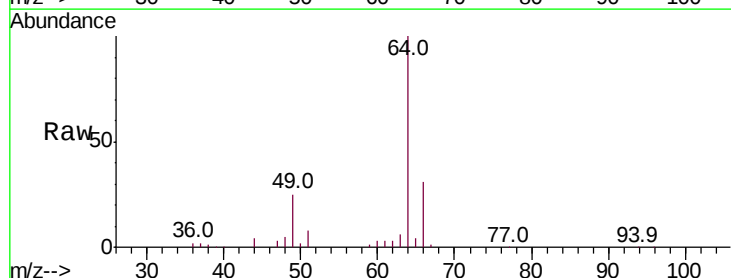
Acq: 04 Oct 2018 16:45

Tgt Ion: 64 Resp: 67285

Ion Ratio Lower Upper

64 100

66 31.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

60000

50000

40000

30000

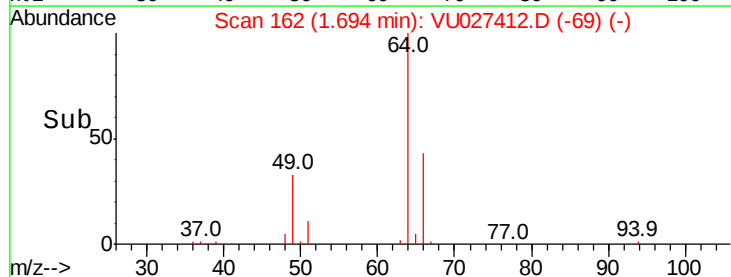
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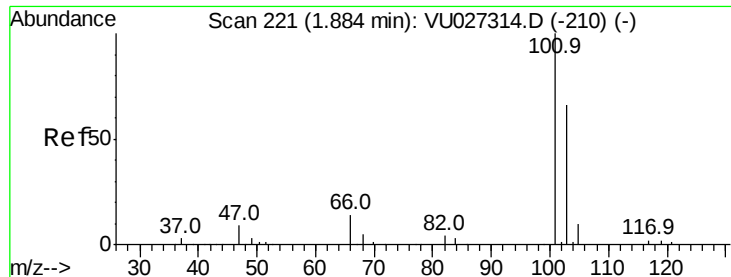
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Time-->

1.65 1.70 1.75 1.80





#7

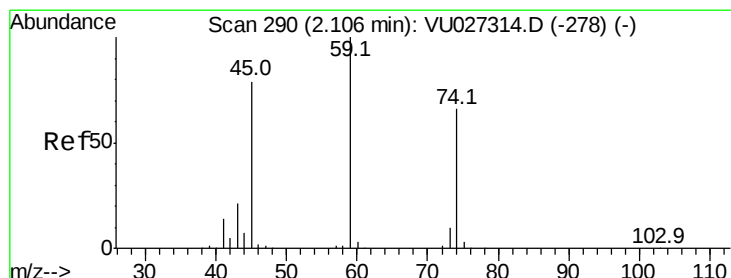
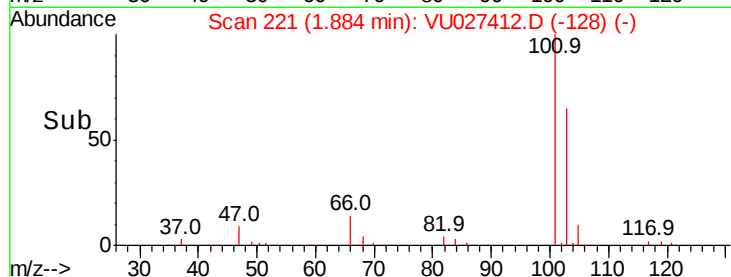
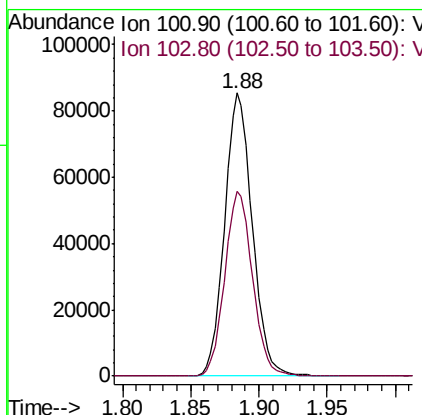
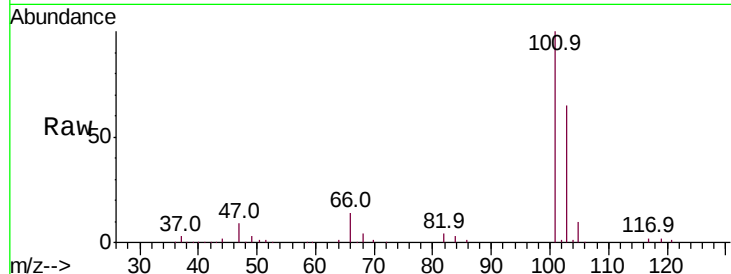
Trichlorofluoromethane
Concen: 45.557 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.6	78.8

Manual Integrations
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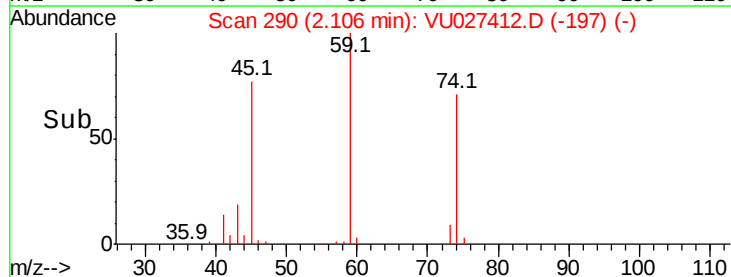
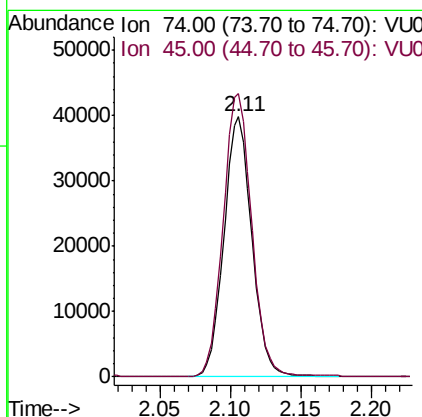
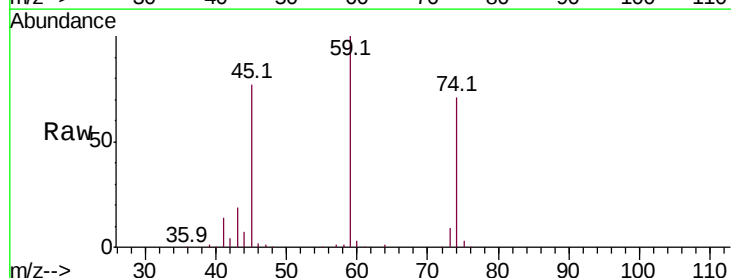
MMDadoda
10/8/2018 1:52:34 PM

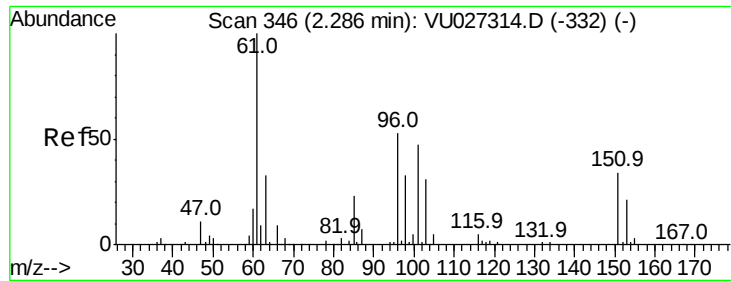


#8

Diethyl Ether
Concen: 45.313 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.7	60.4	181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.343 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

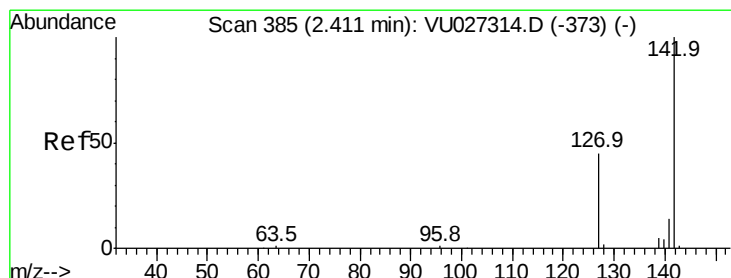
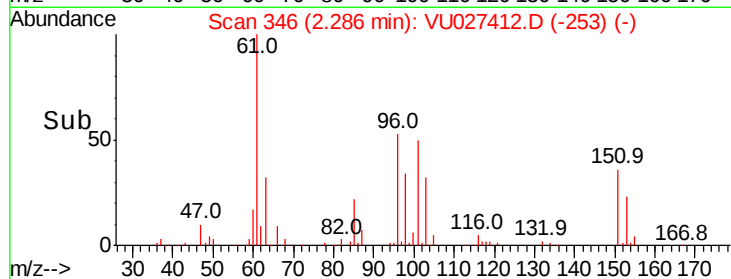
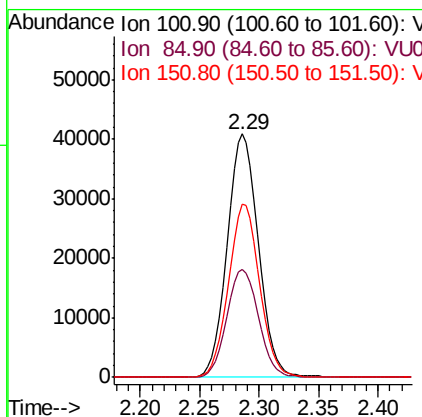
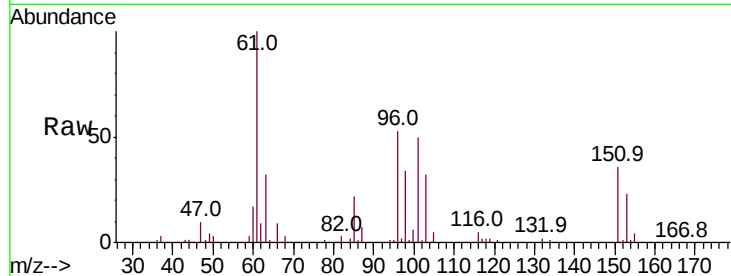
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	74306
Ion Ratio	Lower	Upper	
101	100		
85	45.2	37.5	56.3
151	71.0	55.6	83.4

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 50.967 ug/l

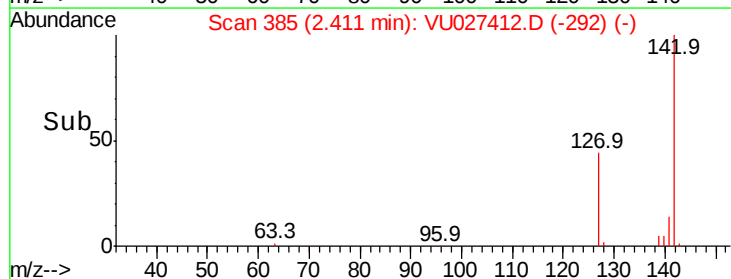
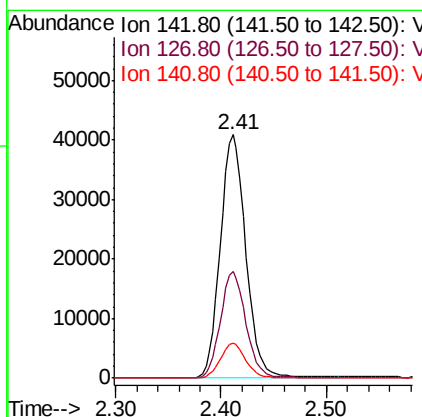
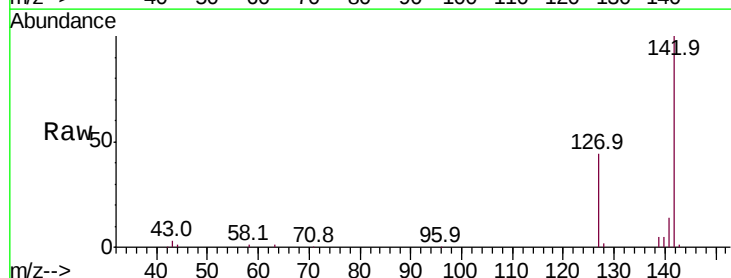
RT: 2.41 min Scan# 385

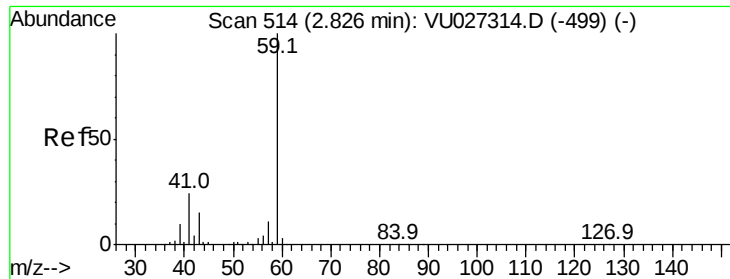
Delta R.T. 0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Tgt Ion:	142	Resp:	68811
Ion Ratio	Lower	Upper	
142	100		
127	43.2	36.3	54.5
141	14.0	11.6	17.4





#11

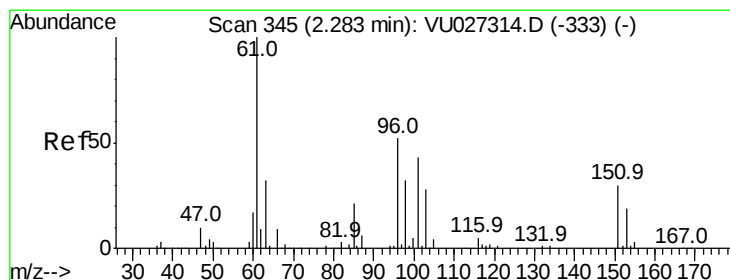
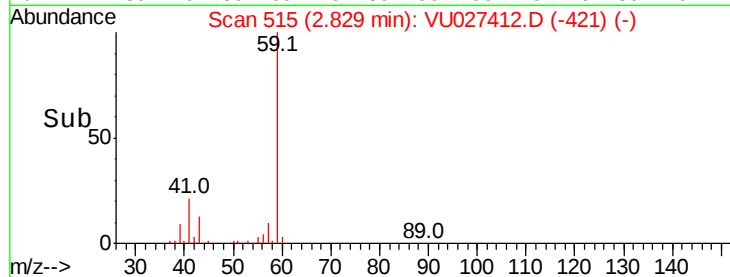
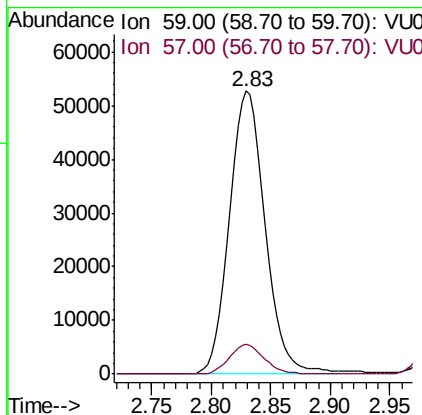
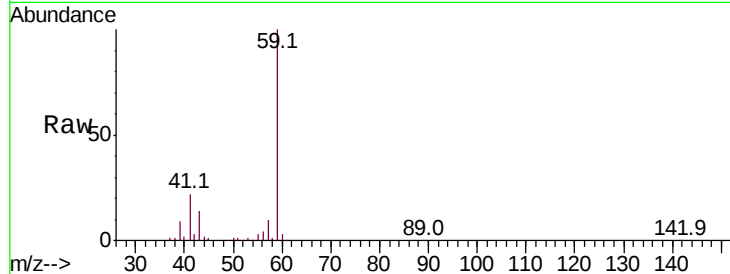
Tert butyl alcohol
Concen: 219.980 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	109971
Ion Ratio	100	Lower	Upper
57	10.3	8.4	12.6

Manual Integrations
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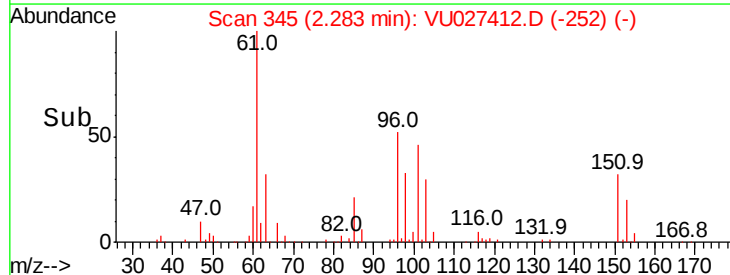
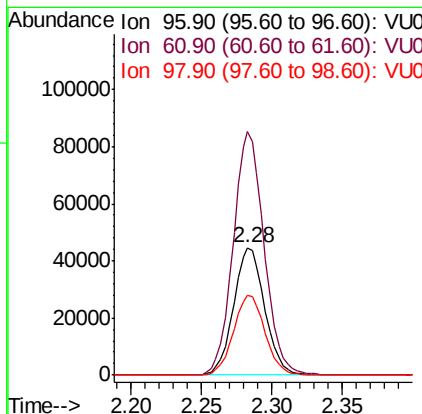
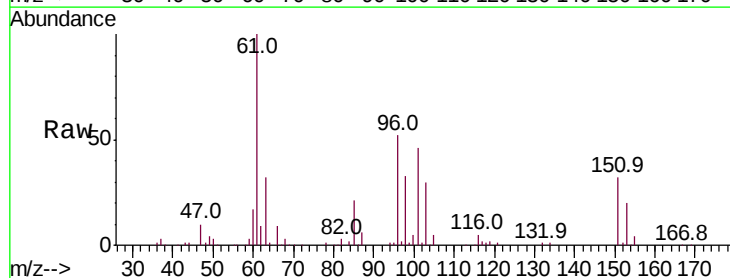
MMDadoda
10/8/2018 1:52:34 PM

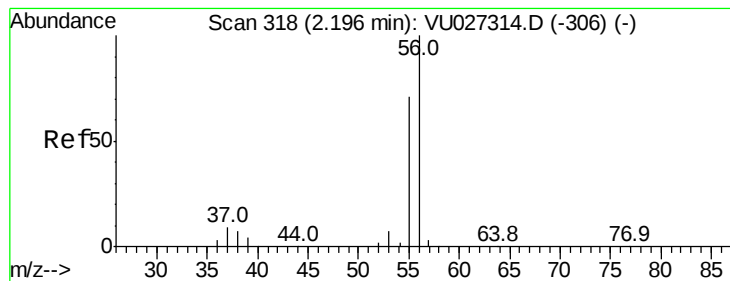


#12

1,1-Dichloroethene
Concen: 46.022 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Tgt Ion	96	Resp	69111
Ion Ratio	100	Lower	Upper
61	190.9	153.0	229.6
98	62.7	49.3	73.9





#13

Acrolein

Concen: 102.270 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 42900

Ion Ratio Lower Upper

56 100

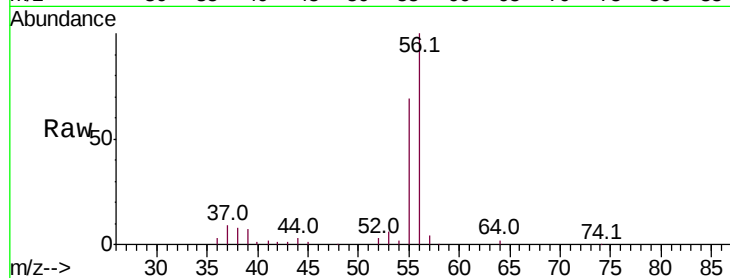
55 70.9 57.7 86.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

30000

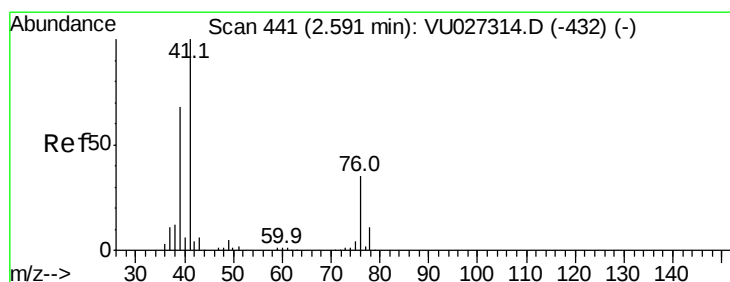
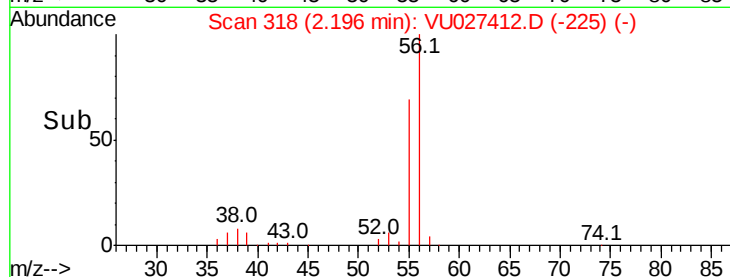
20000

10000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 43.146 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

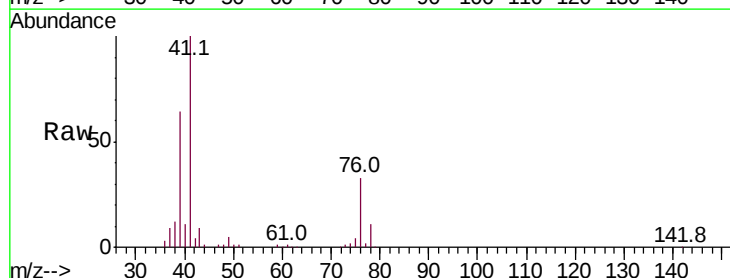
Tgt Ion: 41 Resp: 153862

Ion Ratio Lower Upper

41 100

39 62.0 51.8 77.8

76 33.0 25.9 38.9



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

120000

100000

80000

60000

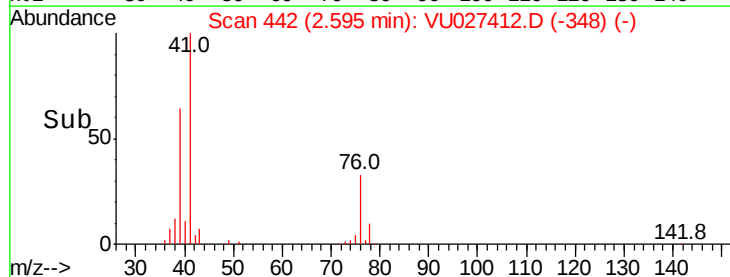
40000

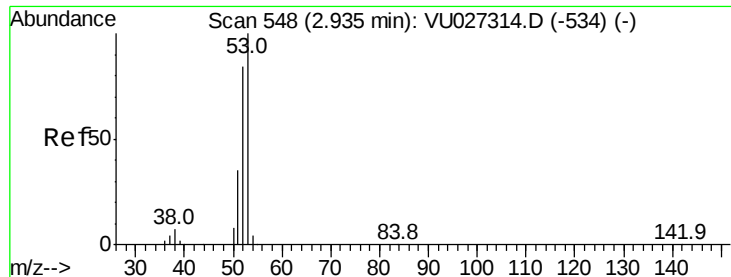
20000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 231.135 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

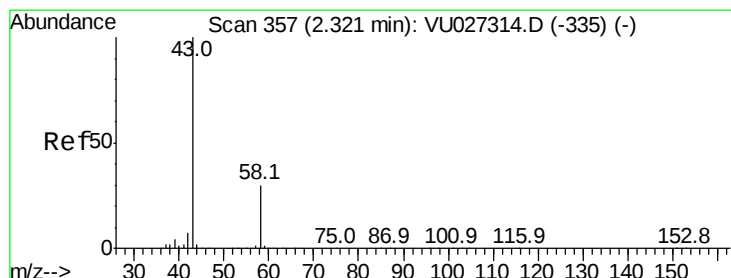
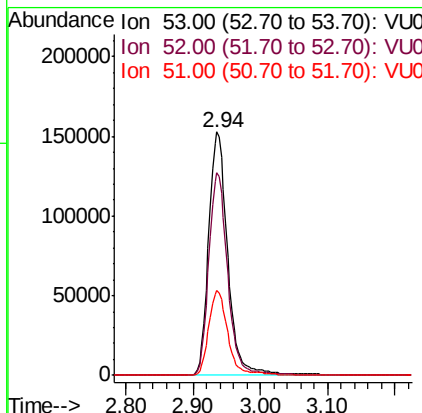
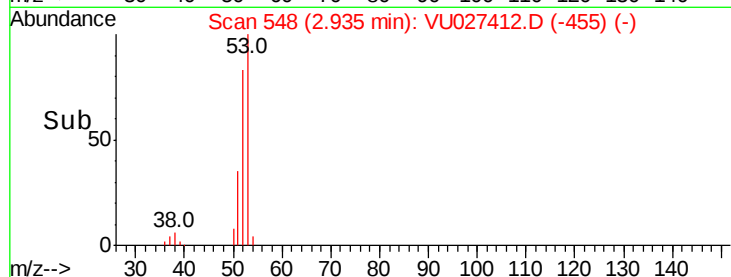
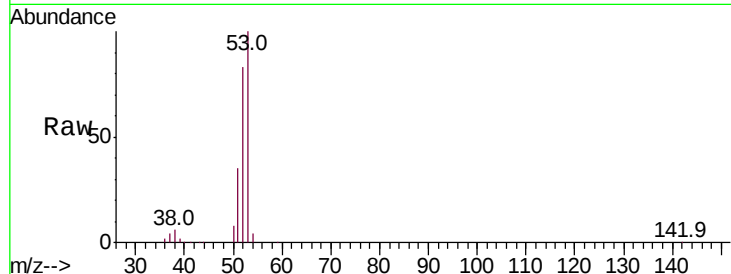
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	300739
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.5	99.7
51	35.1	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 197.930 ug/l

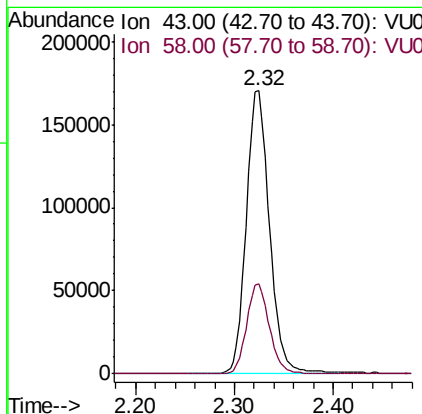
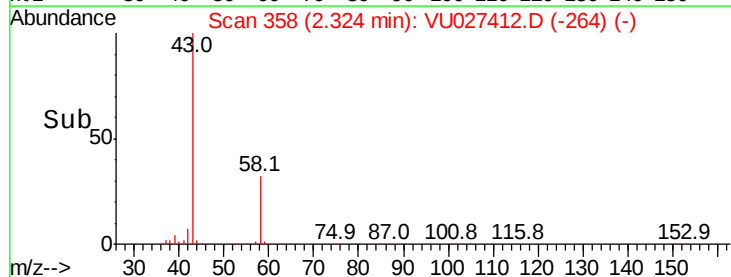
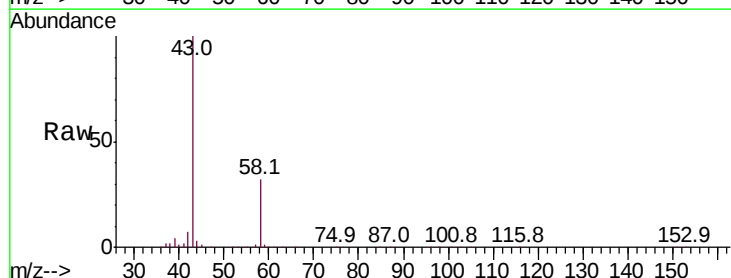
RT: 2.32 min Scan# 358

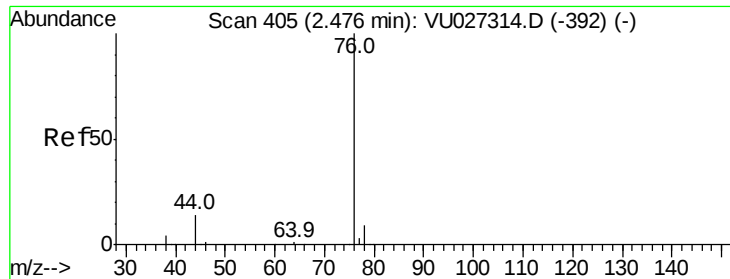
Delta R.T. 0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Tgt Ion:	43	Resp:	277584
Ion Ratio	Lower	Upper	
43	100		
58	31.7	24.2	36.4





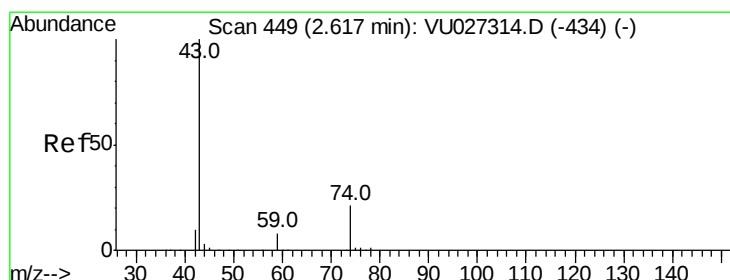
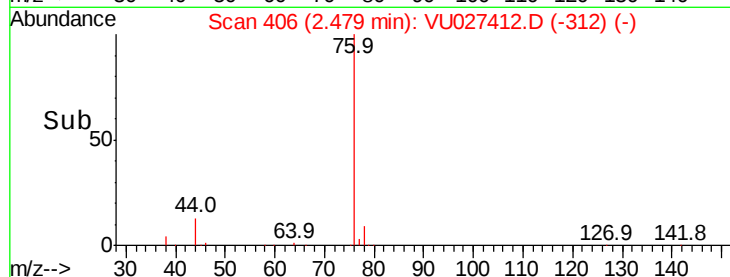
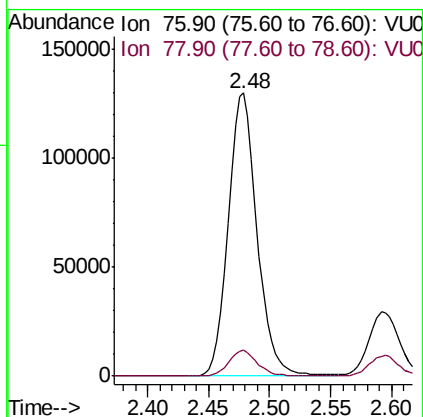
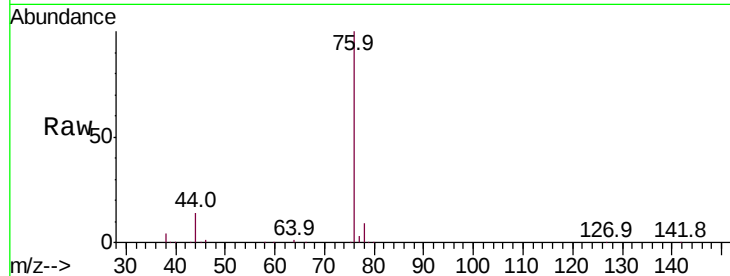
#17
Carbon Disulfide
Concen: 39.563 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

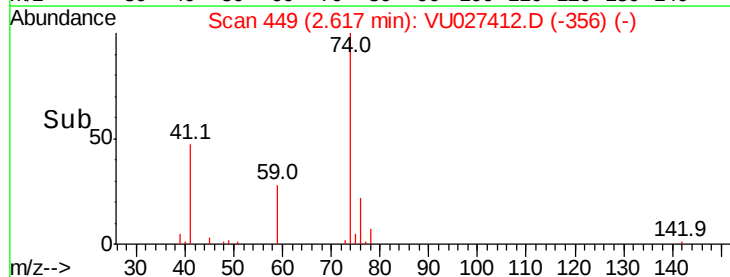
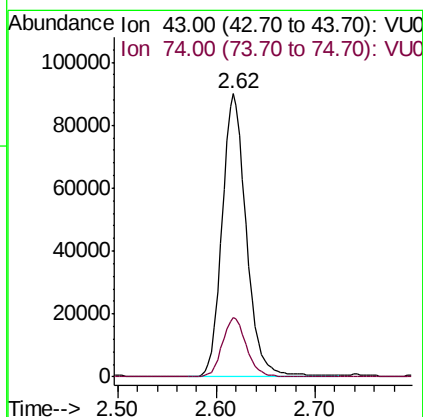
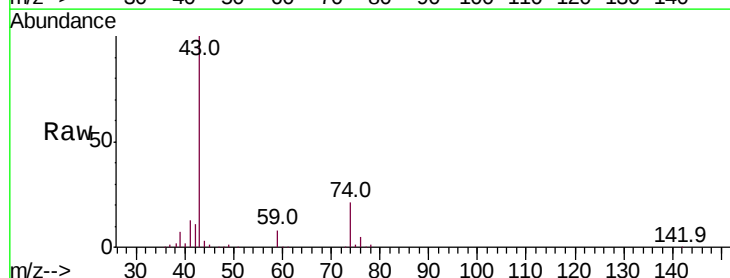
Manual Integrations
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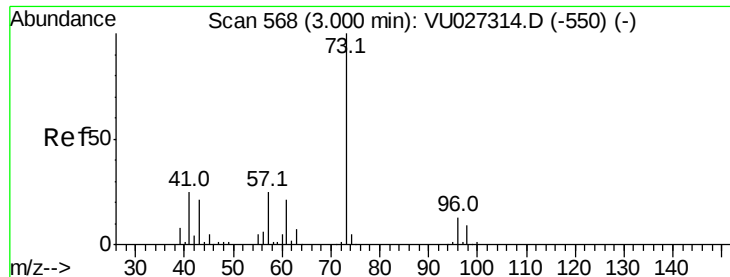
MMDadoda
10/8/2018 1:52:34 PM



#18
Methyl Acetate
Concen: 48.450 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.5	24.7





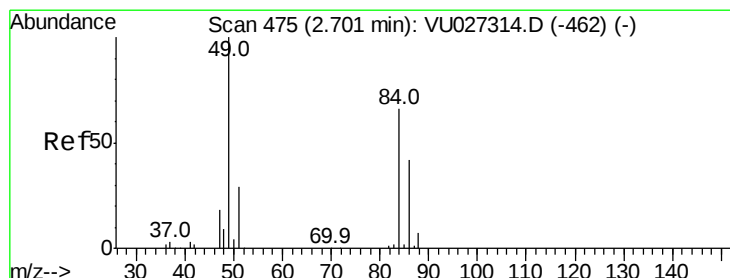
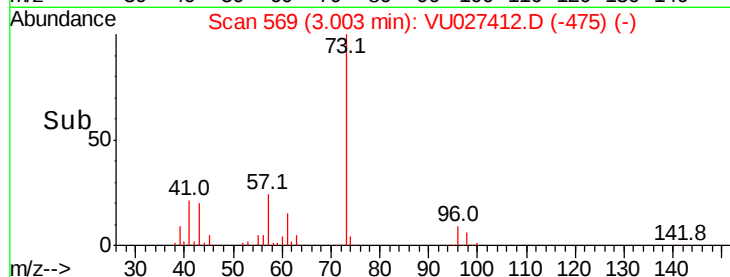
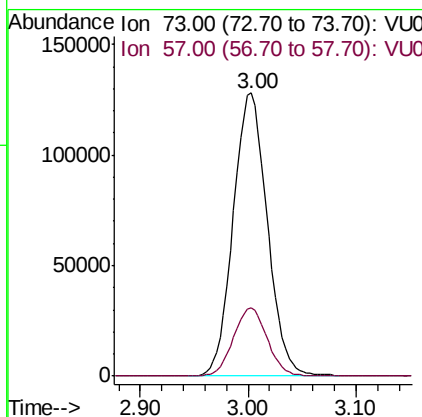
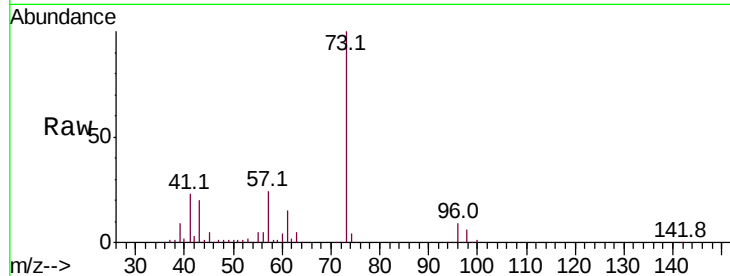
#19
Methyl tert-butyl Ether
Concen: 46.744 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	20.0	30.0

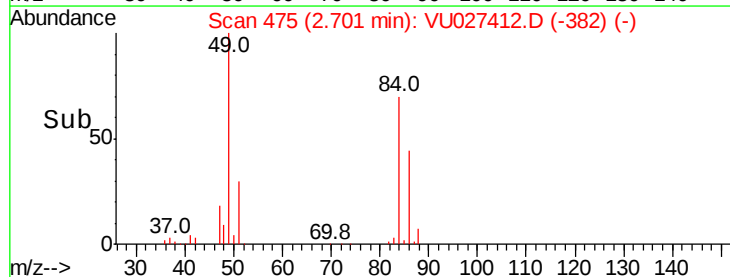
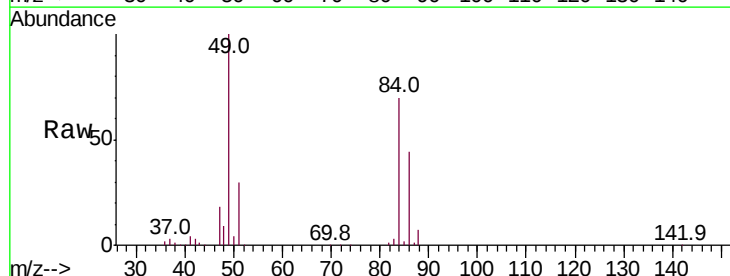
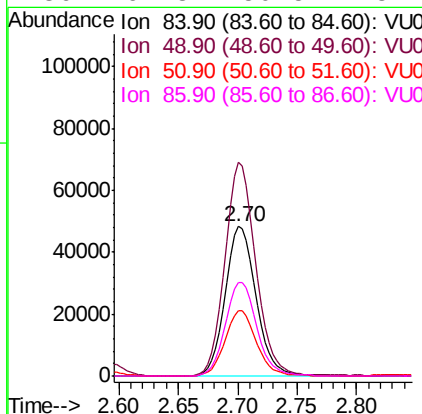
Manual Integrations
APPROVED

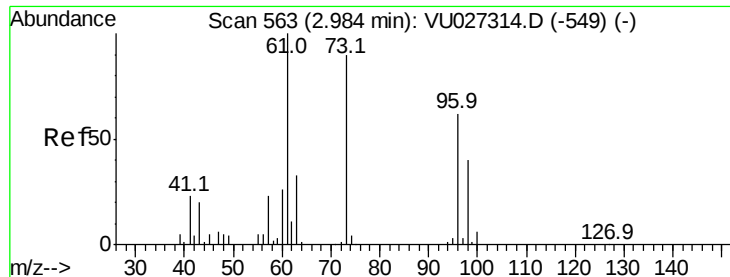
MMDadoda
10/8/2018 1:52:34 PM



#20
Methylene Chloride
Concen: 44.714 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.0	120.5	180.7
51	43.4	35.1	52.7
86	62.8	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 45.598 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 76877

Ion Ratio Lower Upper

96 100

61 160.5 129.4 194.2

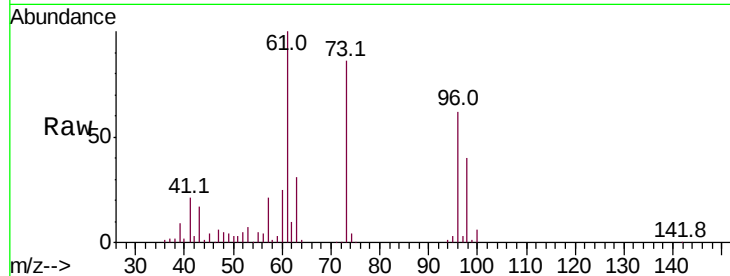
98 64.0 51.2 76.8

Manual Integrations

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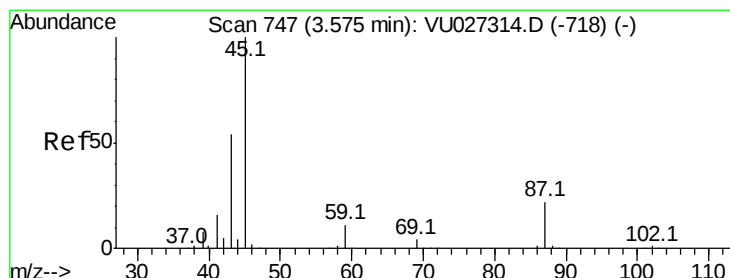
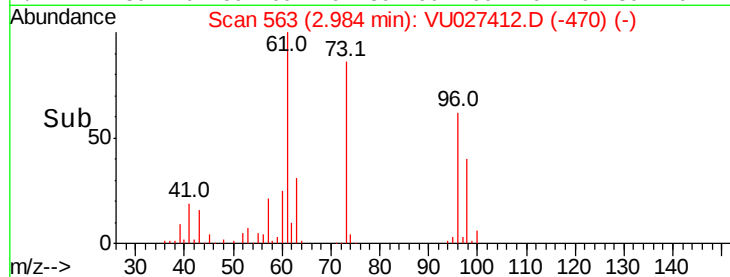
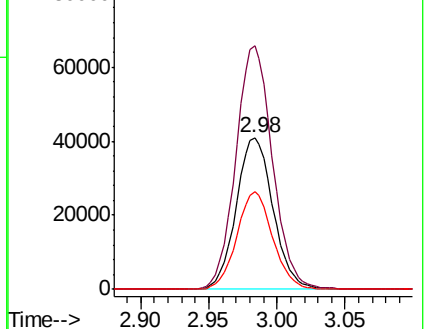
10/8/2018 1:52:34 PM



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 45.338 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Tgt Ion: 45 Resp: 328614

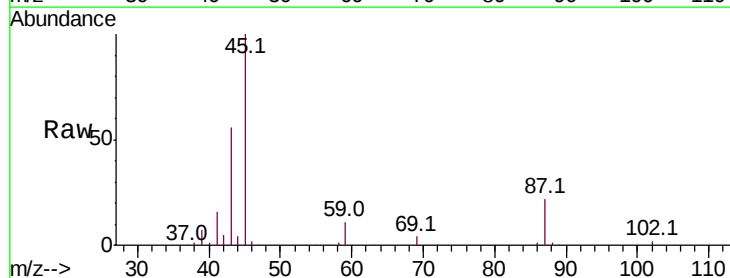
Ion Ratio Lower Upper

45 100

43 54.5 43.4 65.2

87 22.5 17.5 26.3

59 11.0 8.6 13.0

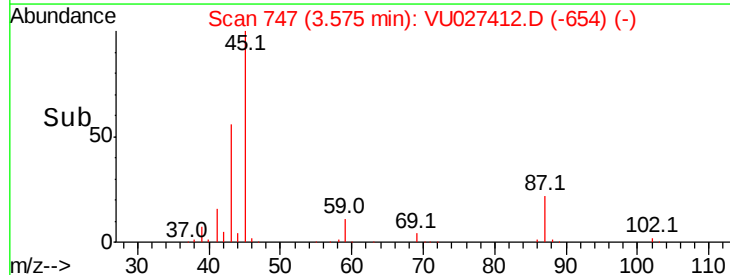
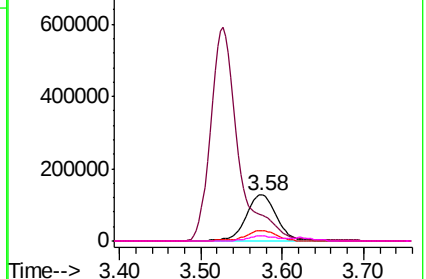


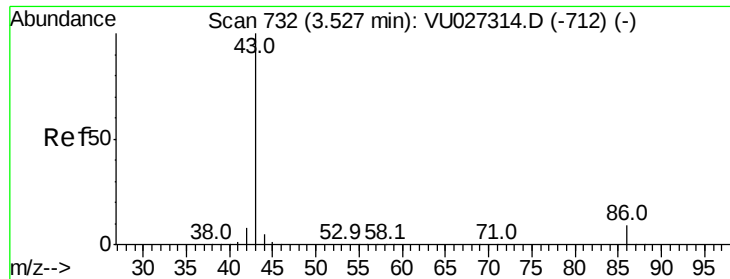
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 224.209 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1419191

Ion Ratio Lower Upper

43 100

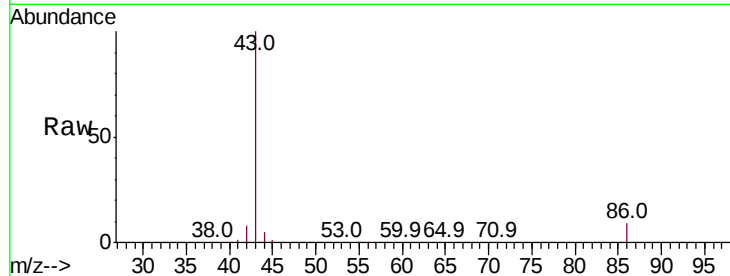
86 9.1 7.0 10.4

Manual Integrations

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MMDadoda

10/8/2018 1:52:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VU027412.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027412.D (-639) (-)

3.53

600000

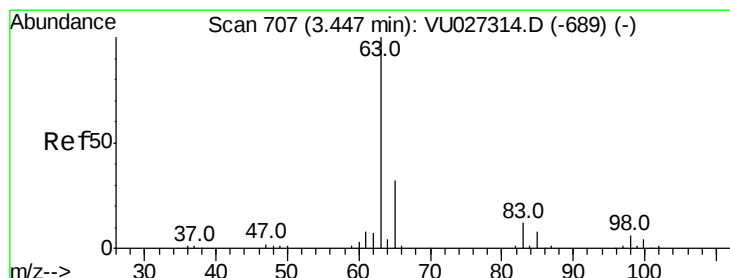
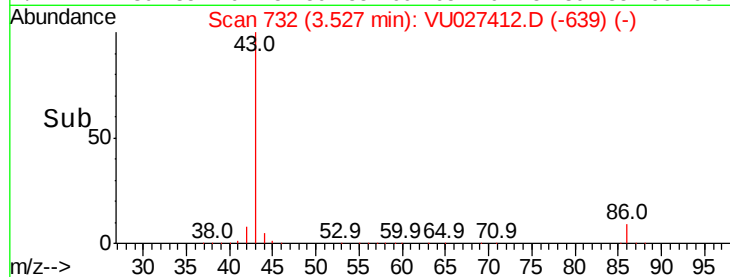
400000

200000

0

3.40 3.50 3.60 3.70 3.80

Time-->



#24

1,1-Dichloroethane

Concen: 45.166 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

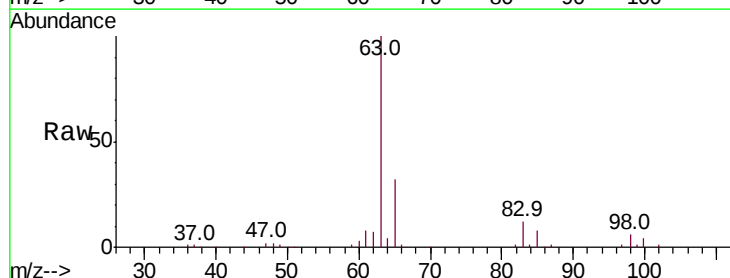
Tgt Ion: 63 Resp: 168292

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU027412.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027412.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027412.D (-614) (-)

3.45

100000

80000

60000

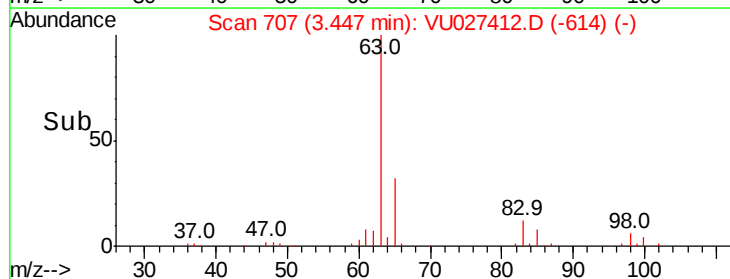
40000

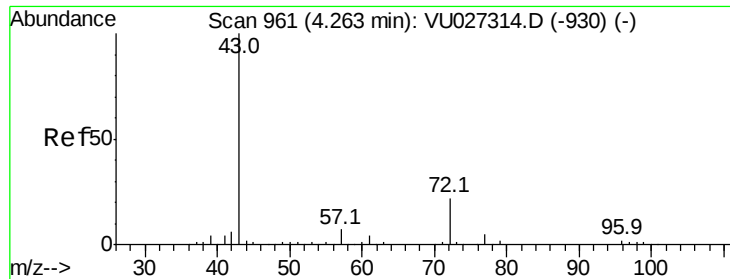
20000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 222.788 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 426067

Ion Ratio Lower Upper

43 100

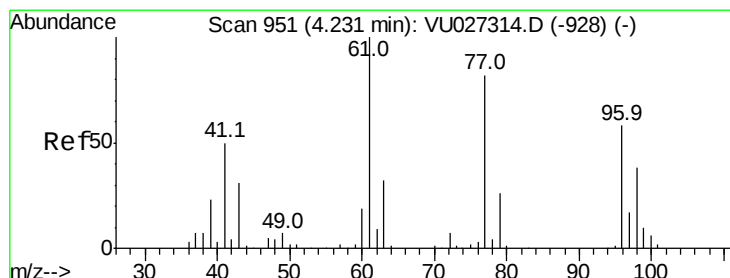
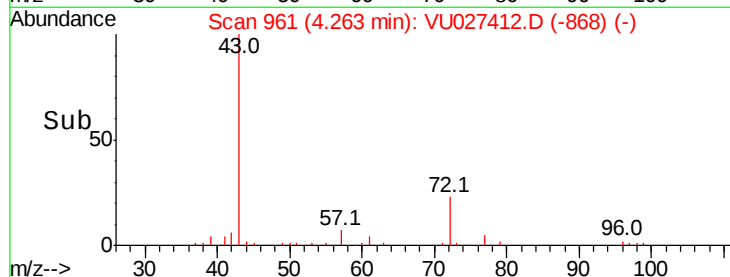
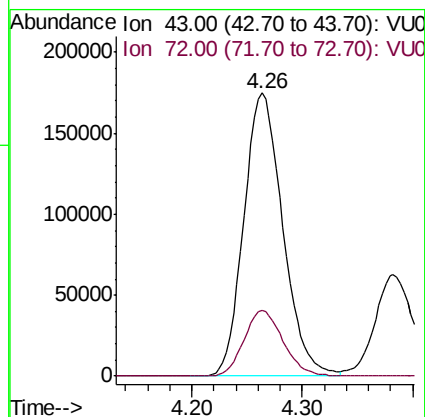
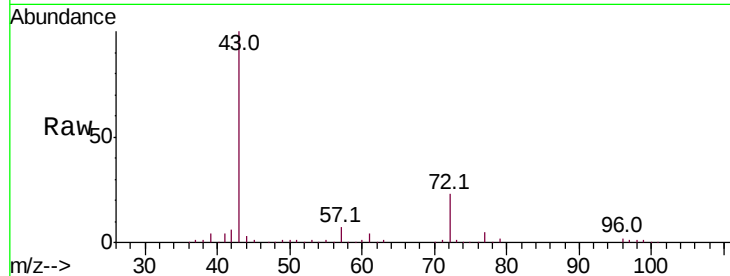
72 23.4 17.8 26.6

Manual Integrations

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10/8/2018 1:52:34 PM



#26

2,2-Dichloropropane

Concen: 44.440 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027412.D

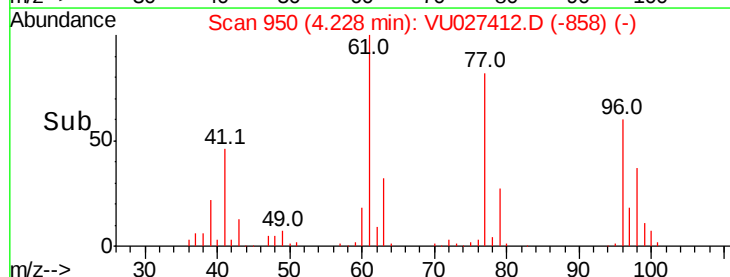
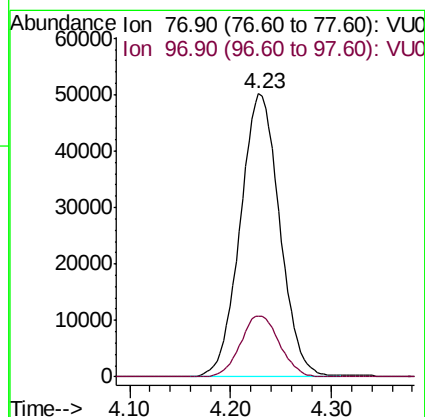
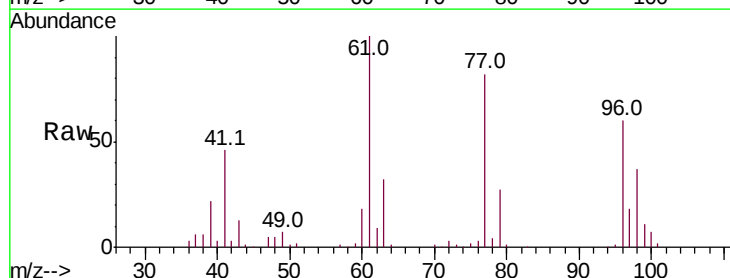
Acq: 04 Oct 2018 16:45

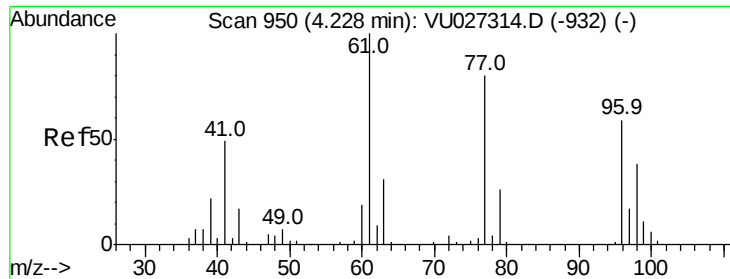
Tgt Ion: 77 Resp: 136062

Ion Ratio Lower Upper

77 100

97 21.4 10.4 31.1





#27

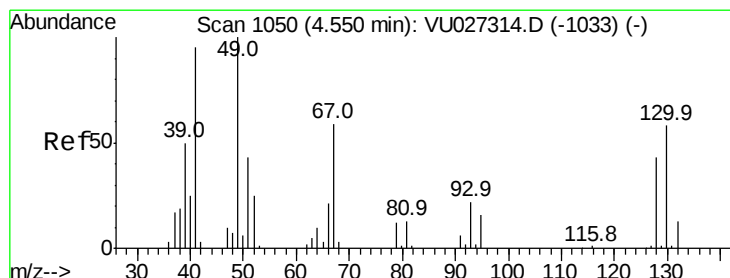
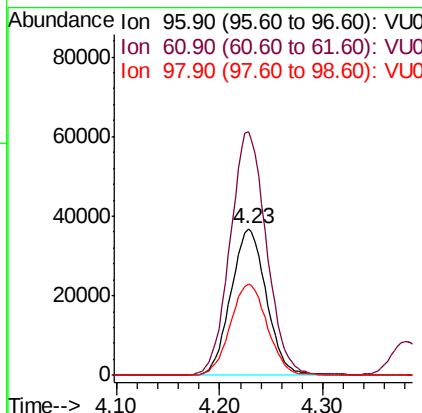
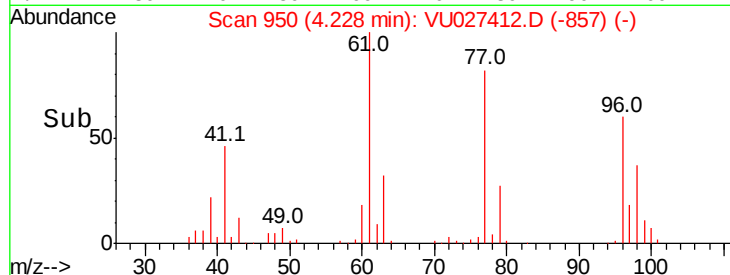
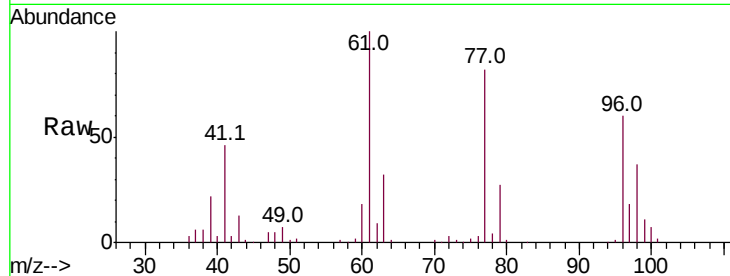
cis-1,2-Dichloroethene
 Concen: 45.821 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027412.D
 Acq: 04 Oct 2018 16:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.9	0.0	343.8
98	64.7	0.0	129.0

Manual Integrations
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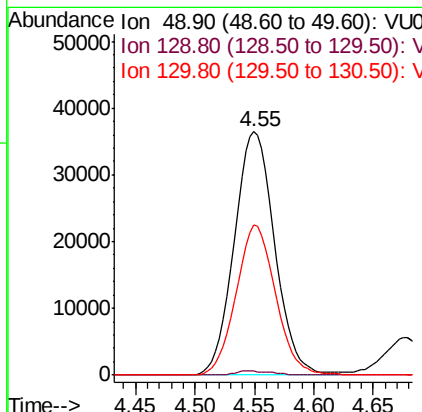
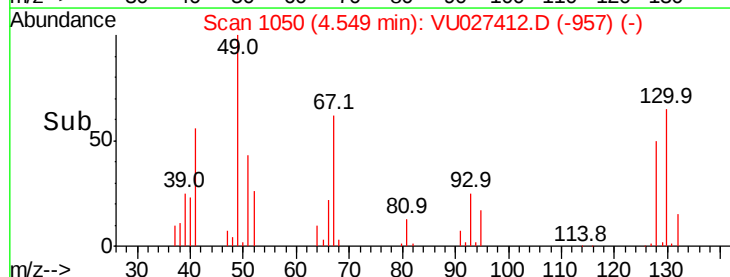
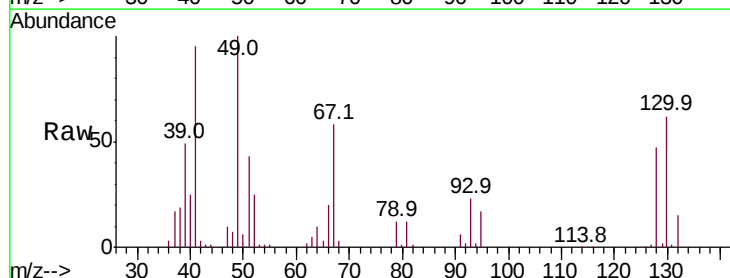
MMDadoda
 10/8/2018 1:52:34 PM

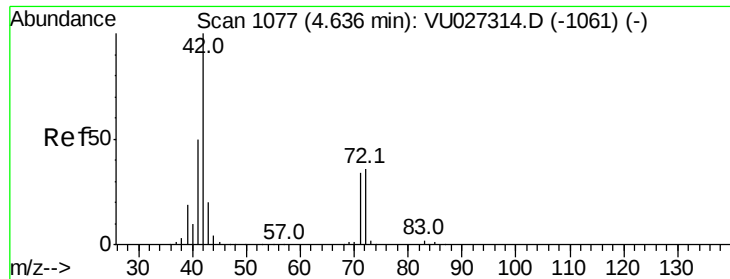


#28

Bromochloromethane
 Concen: 47.832 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027412.D
 Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	60.3	46.1	69.1





#29

Tetrahydrofuran

Concen: 227.309 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

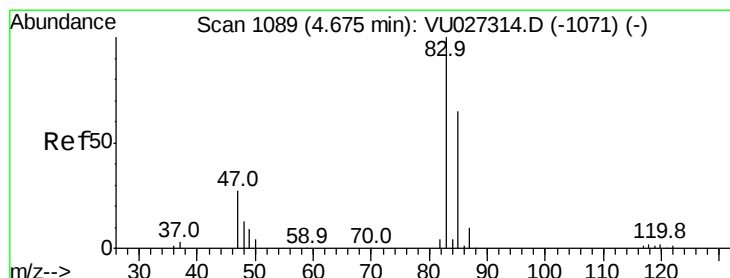
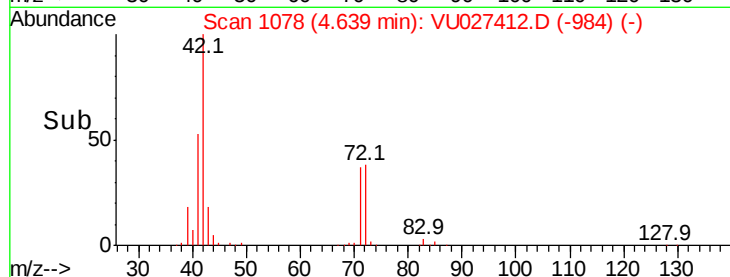
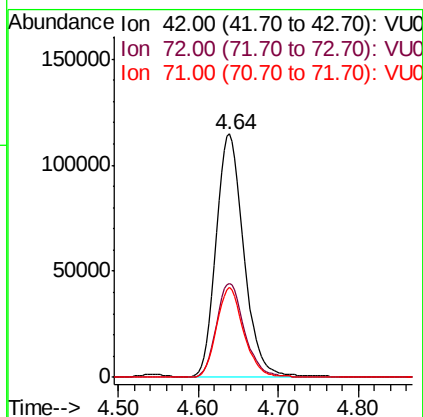
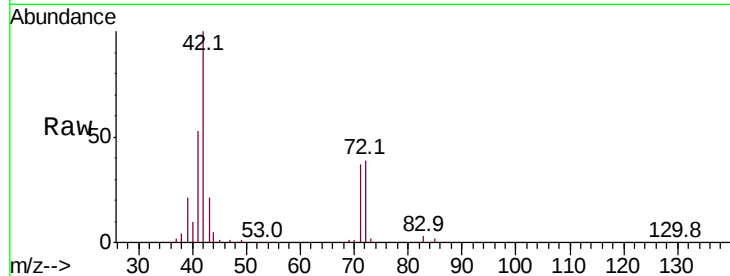
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	273962
Ion Ratio	Lower	Upper	
42	100		
72	39.4	30.1	45.1
71	36.2	27.7	41.5

Manual Integrations
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#30

Chloroform

Concen: 45.267 ug/l

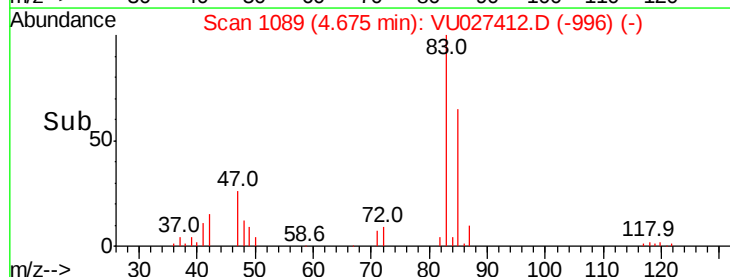
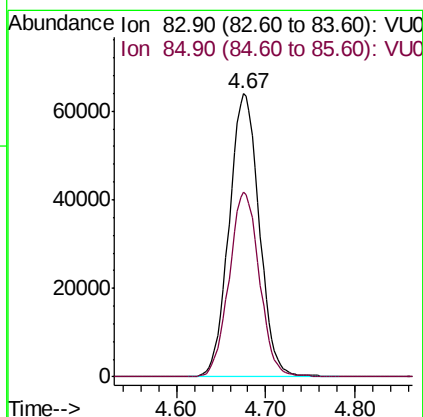
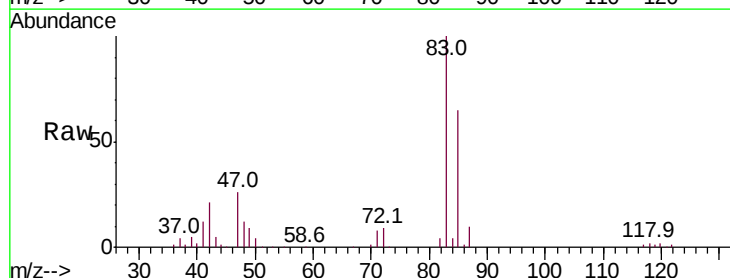
RT: 4.67 min Scan# 1089

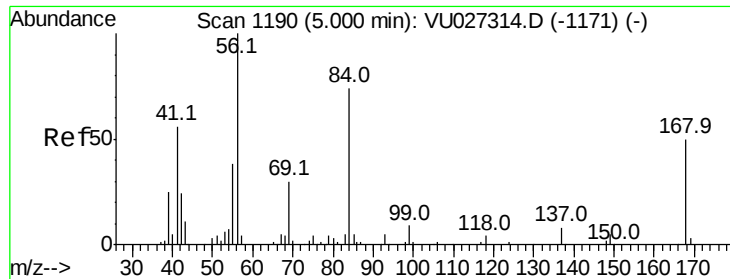
Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Tgt Ion:	83	Resp:	149857
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.8	77.6





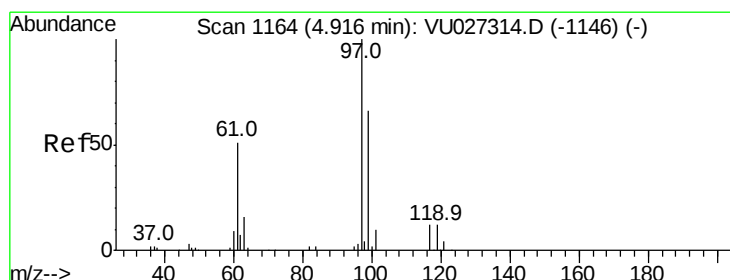
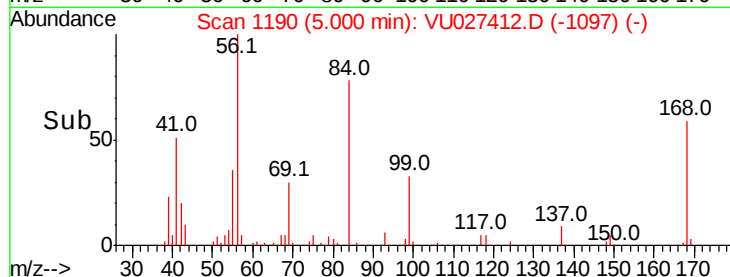
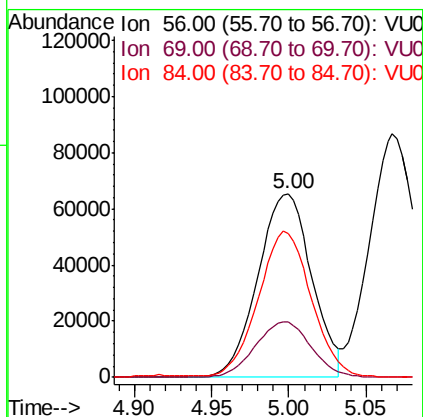
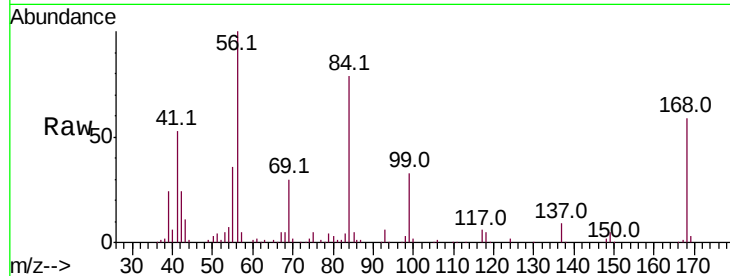
#31
Cyclohexane
Concen: 41.517 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.1	36.1
84	77.9	59.1	88.7

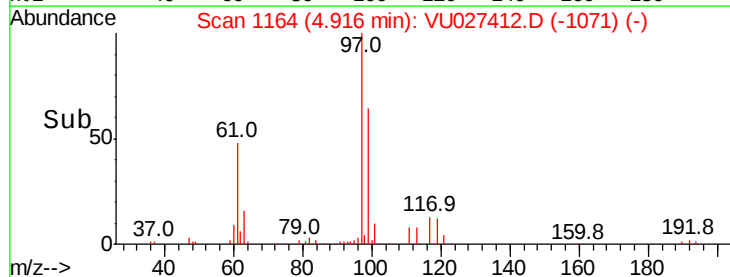
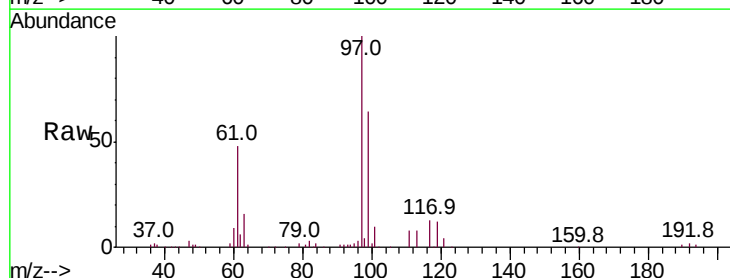
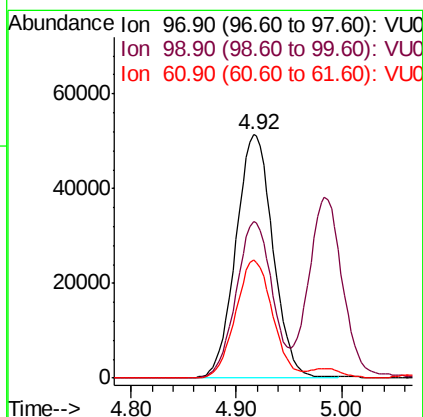
Manual Integrations
APPROVED

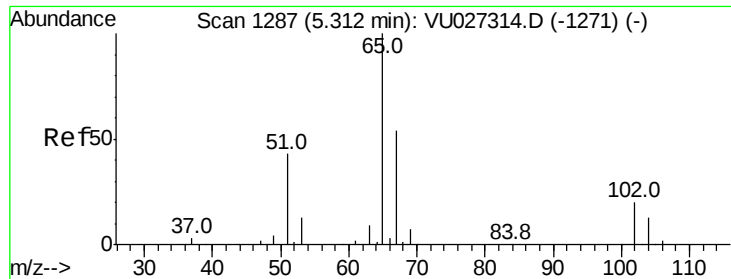
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 45.104 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.1	76.7
61	48.6	39.6	59.4





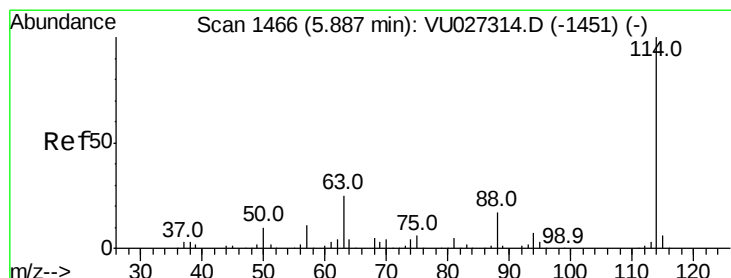
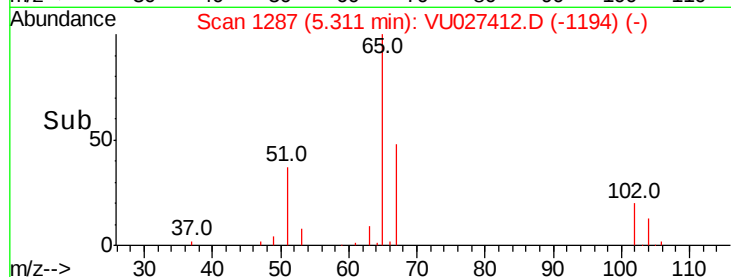
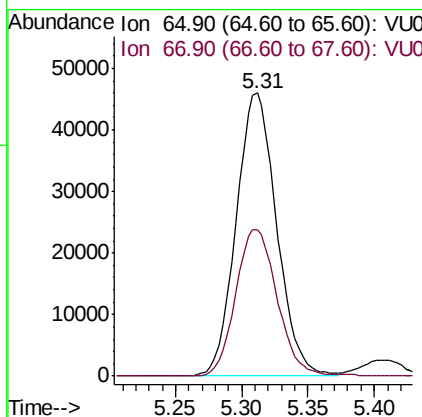
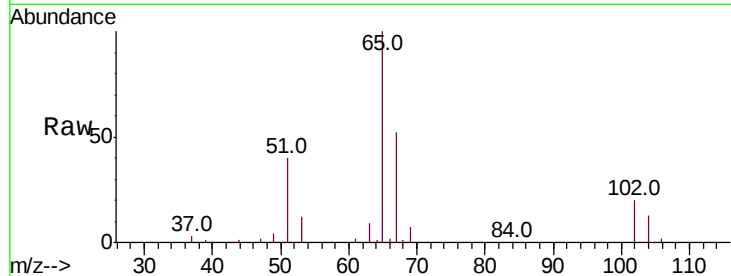
#33
 1,2-Dichloroethane-d4
 Concen: 41.093 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027412.D
 Acq: 04 Oct 2018 16:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	107.8

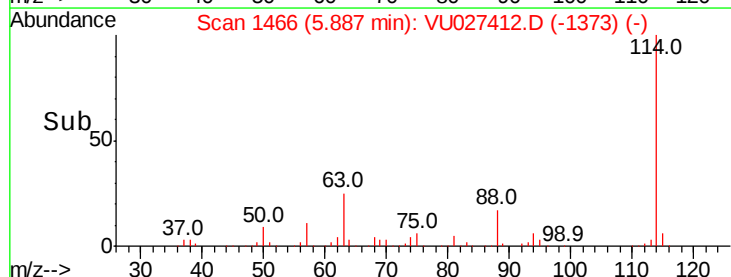
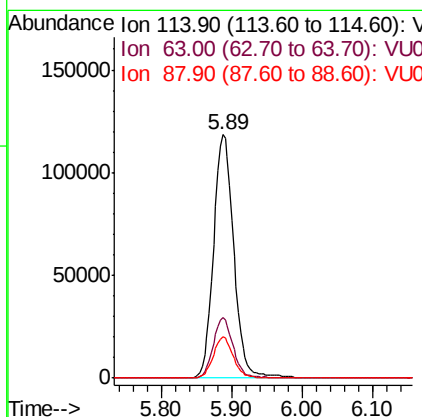
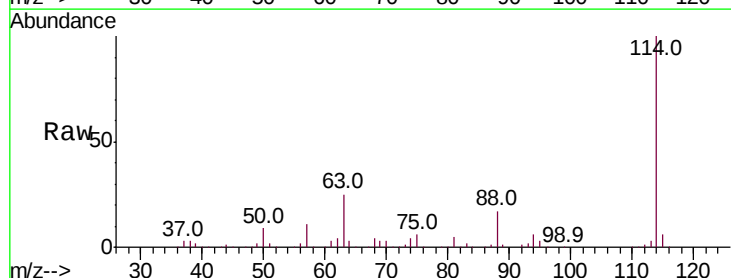
Manual Integrations
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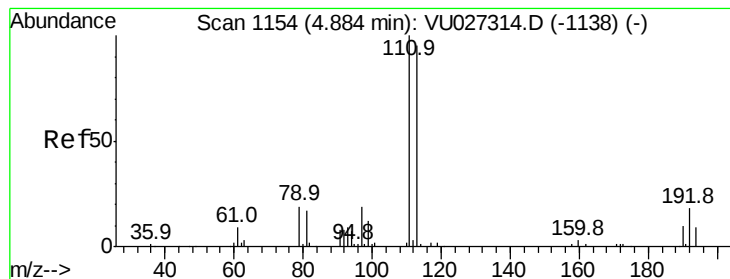
MMDadoda
 10/8/2018 1:52:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027412.D
 Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	50.2
88	17.0	0.0	33.8





#35

Dibromofluoromethane

Concen: 45.139 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

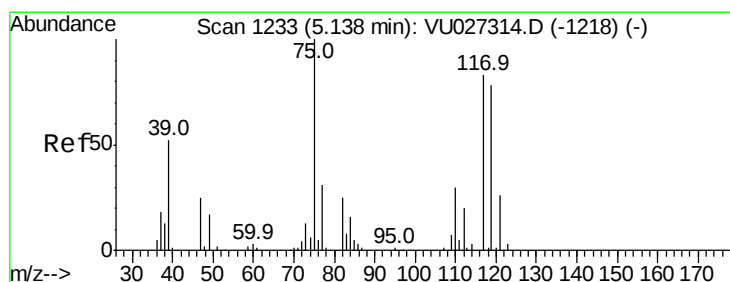
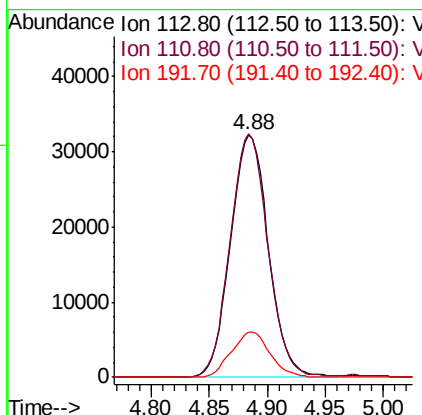
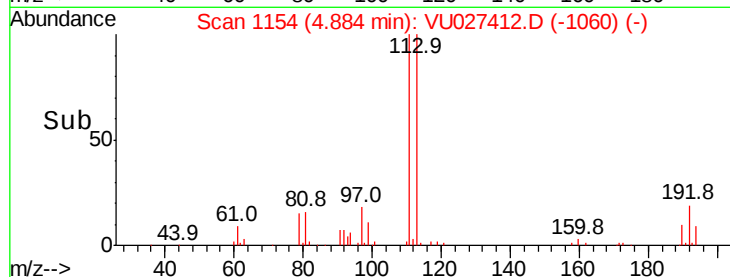
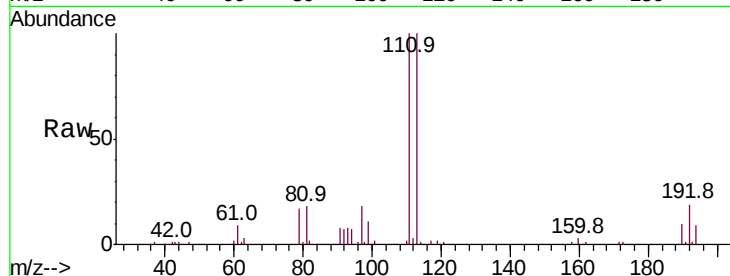
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.3	83.1	124.7
192	18.9	15.4	23.0

Manual Integrations
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10/8/2018 1:52:34 PM



#36

1,1-Dichloropropene

Concen: 46.923 ug/l

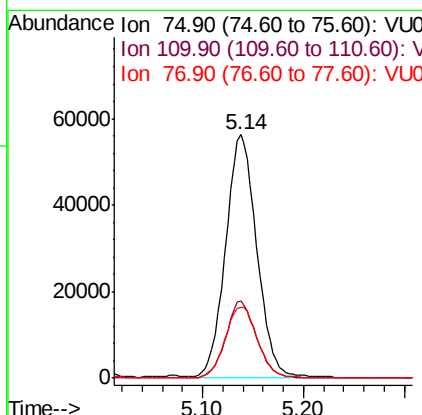
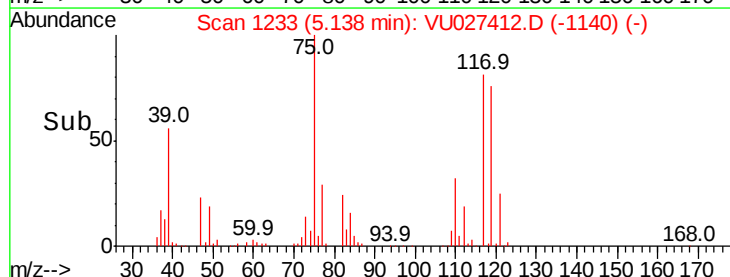
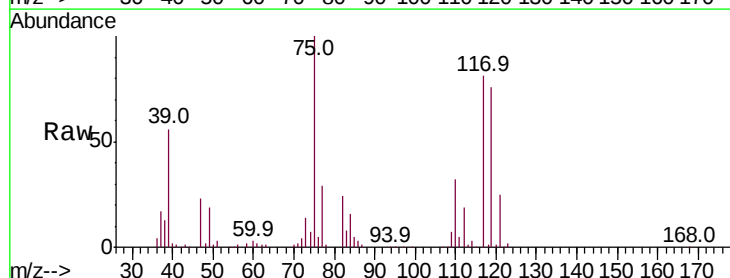
RT: 5.14 min Scan# 1233

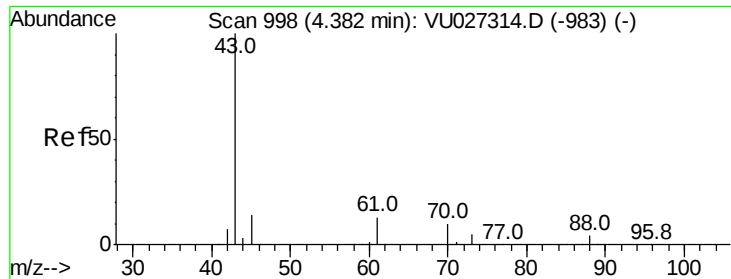
Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	15.5	46.5
77	30.8	25.4	38.0





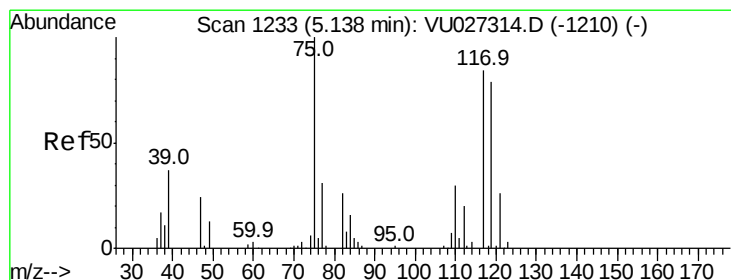
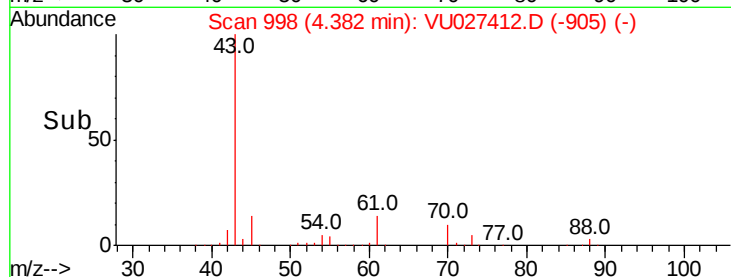
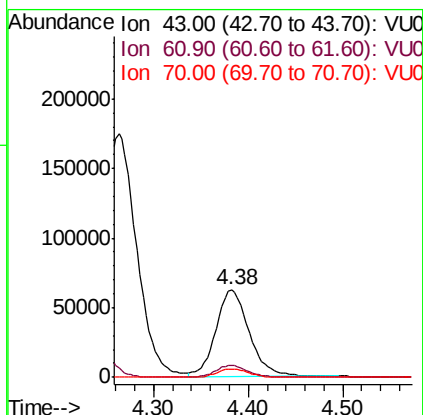
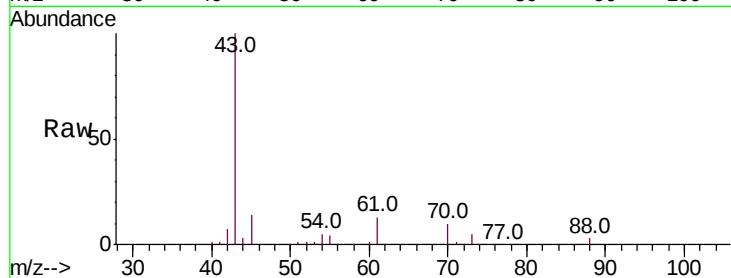
#37
Ethyl Acetate
Concen: 46.073 ug/l
RT: 4.38 min Scan# 998
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.7	16.1
70	9.3	7.4	11.2

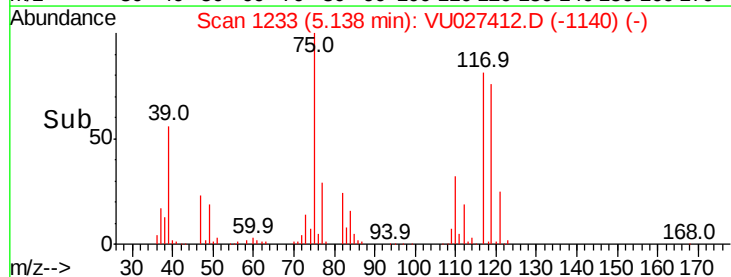
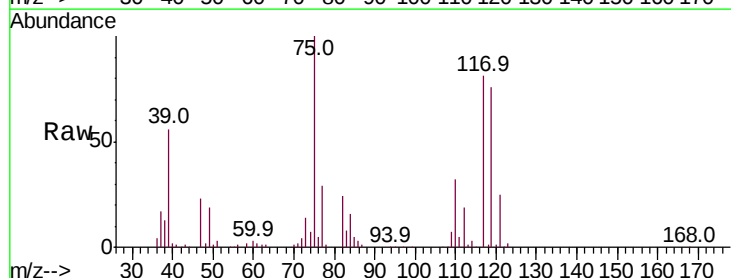
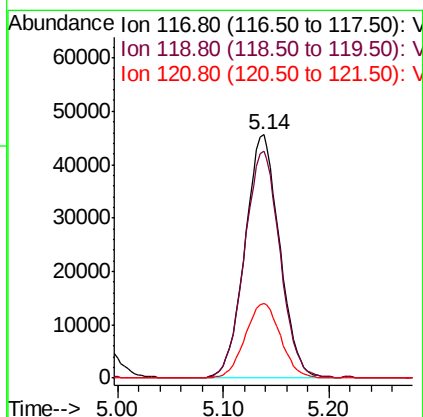
Manual Integrations
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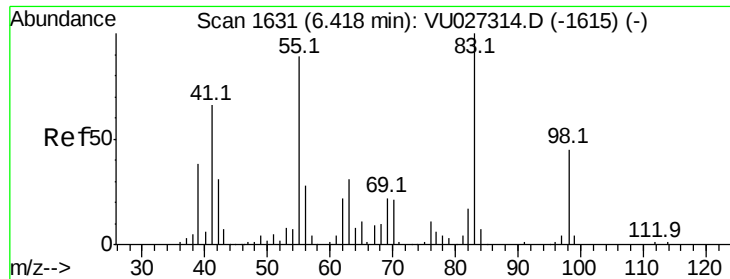
MMDadoda
10/8/2018 1:52:34 PM



#38
Carbon Tetrachloride
Concen: 45.048 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	74.5	111.7
121	30.5	24.6	37.0





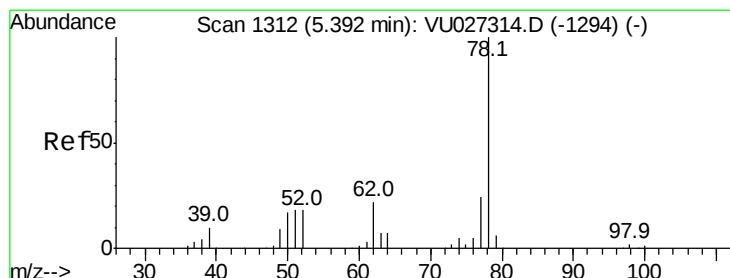
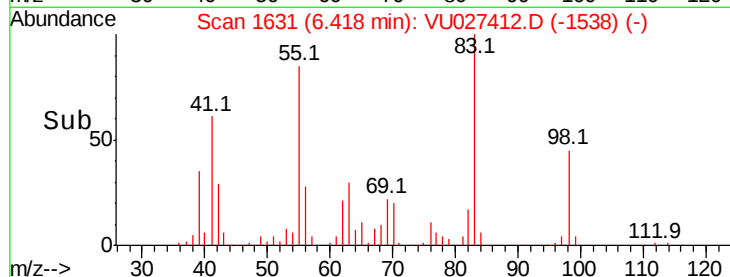
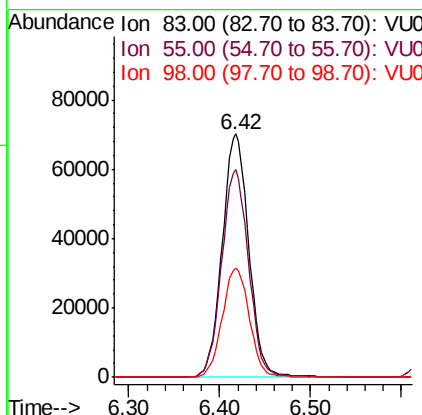
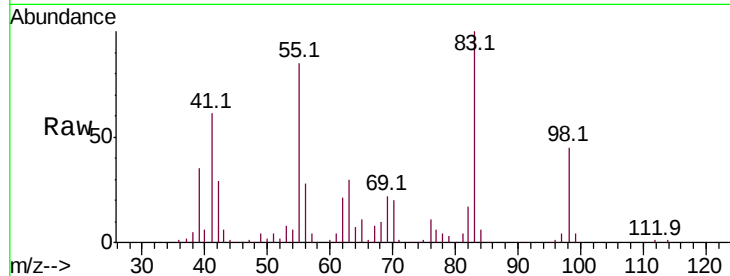
#39
Methvlcvclohexane
Concen: 47.466 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.3	71.1	106.7
98	44.9	36.3	54.5

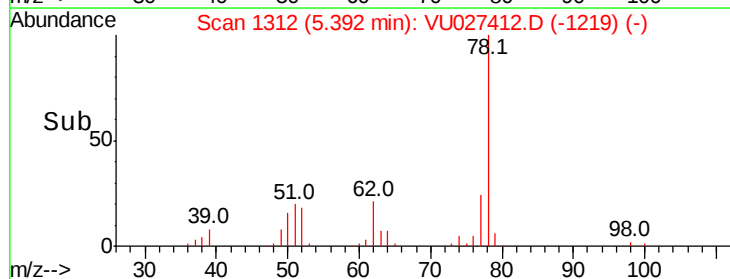
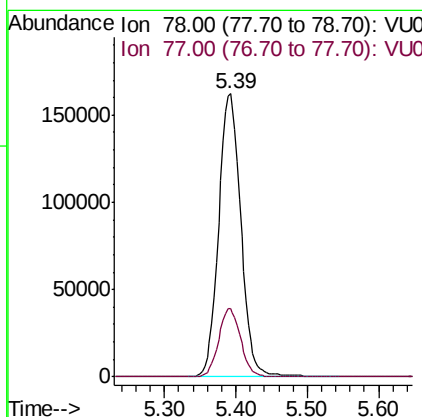
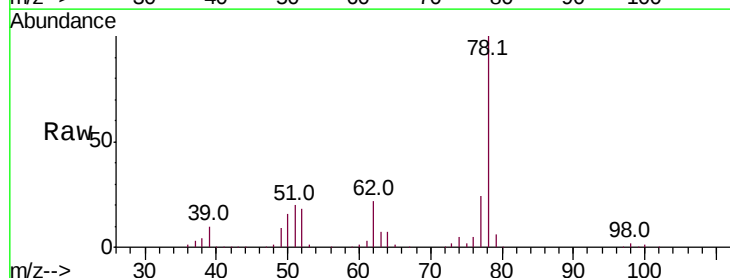
Manual Integrations
APPROVED

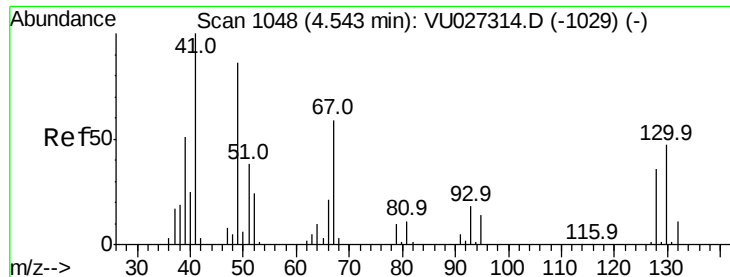
MMDadoda
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#40
Benzene
Concen: 46.852 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





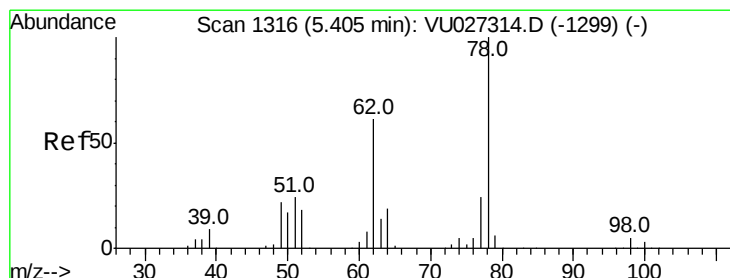
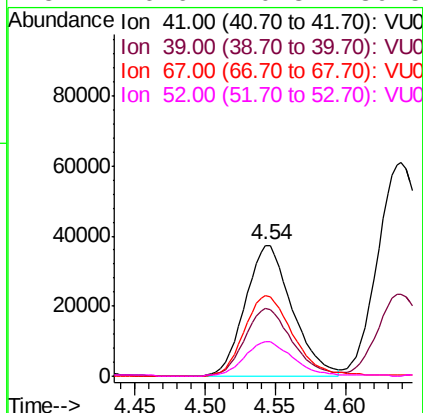
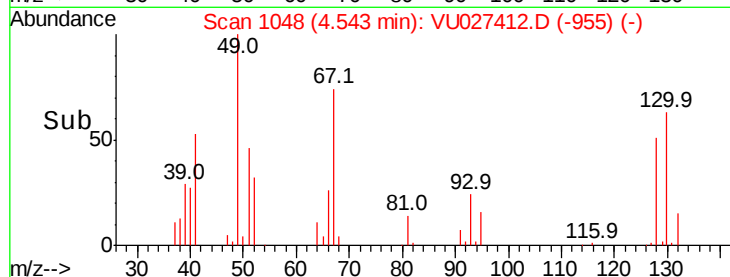
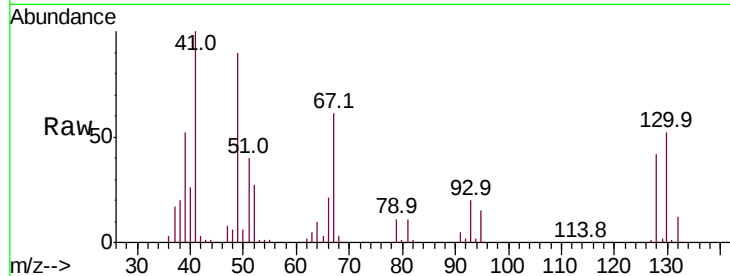
#41
Methacrylonitrile
Concen: 46.400 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	41.1	61.7	
67	63.8	50.4	75.6	
52	26.6	20.3	30.5	

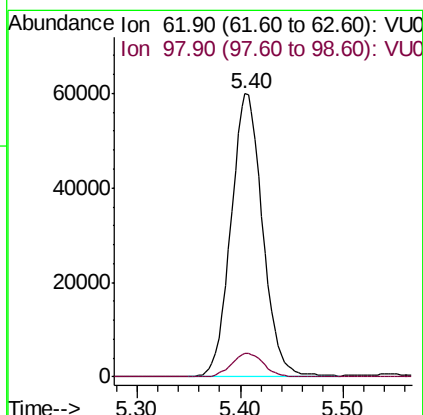
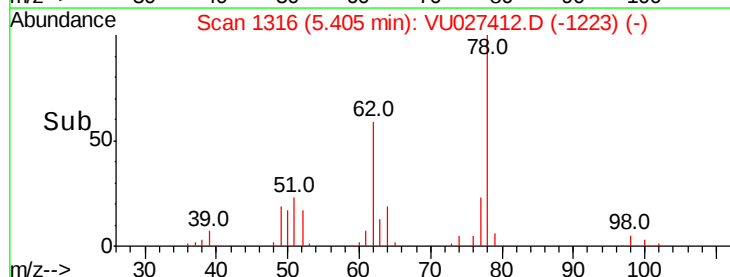
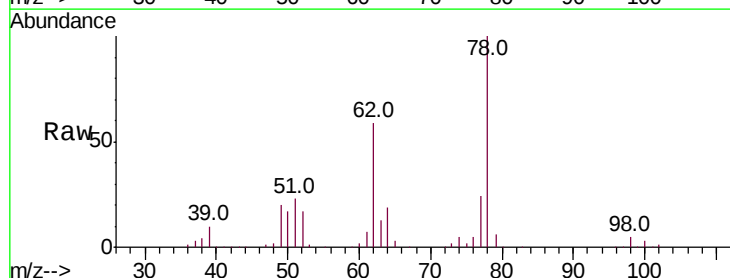
Manual Integrations
APPROVED

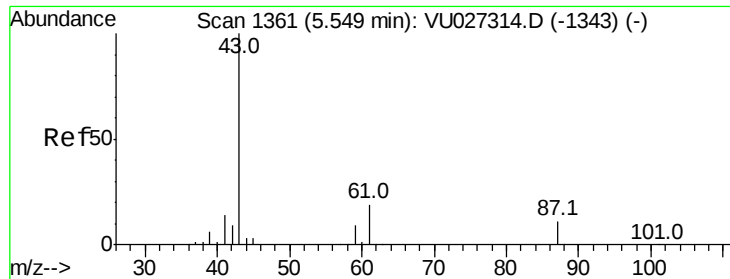
MMDadoda
10/8/2018 1:52:34 PM



#42
1,2-Dichloroethane
Concen: 46.129 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.8	





#43

Isopropyl Acetate

Concen: 47.191 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

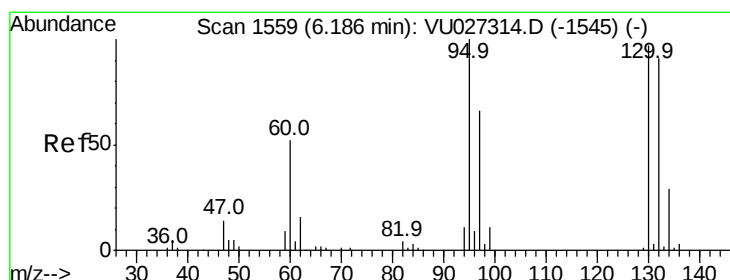
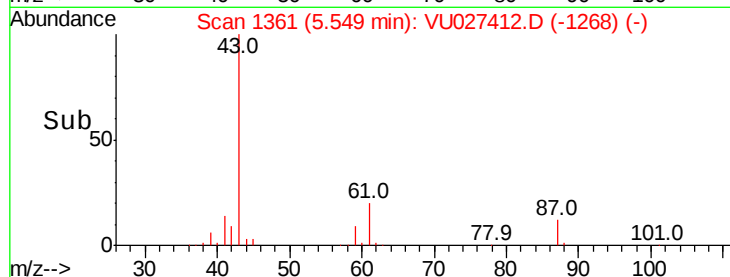
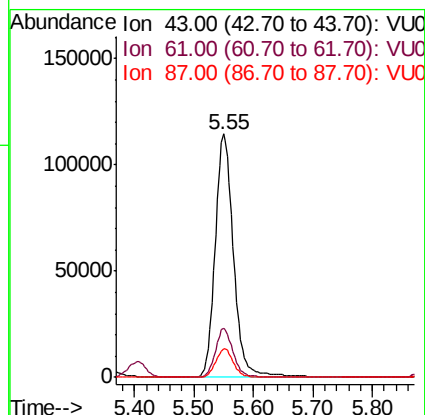
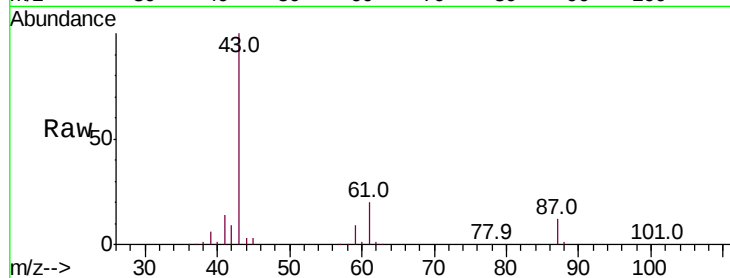
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	243321
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.3	22.9
87	11.4	8.6	13.0

Manual Integrations
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MMDadoda
10/8/2018 1:52:34 PM



#44

Trichloroethene

Concen: 47.907 ug/l

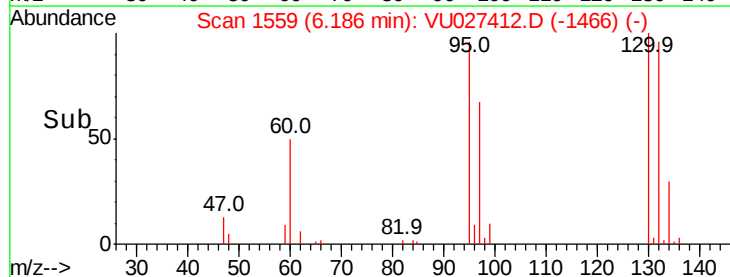
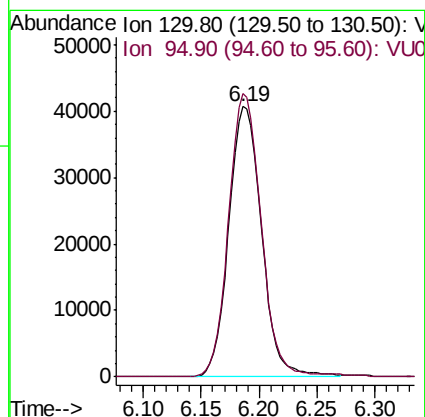
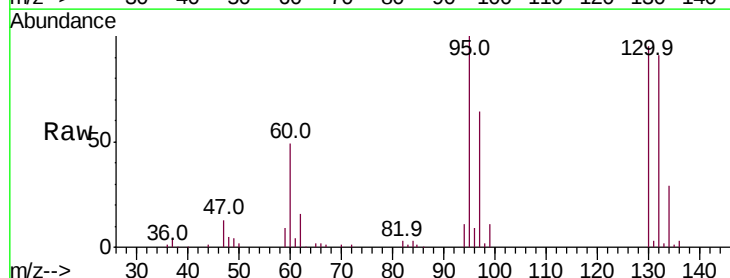
RT: 6.19 min Scan# 1559

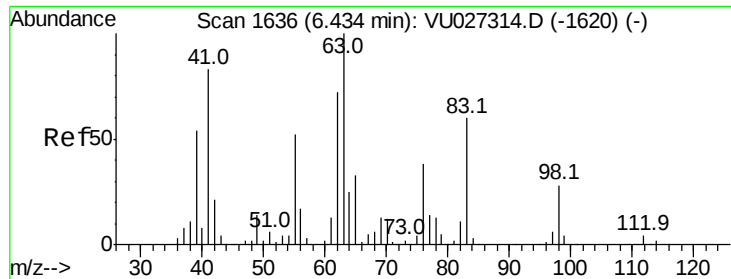
Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Tgt Ion:	130	Resp:	79930
Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	207.0





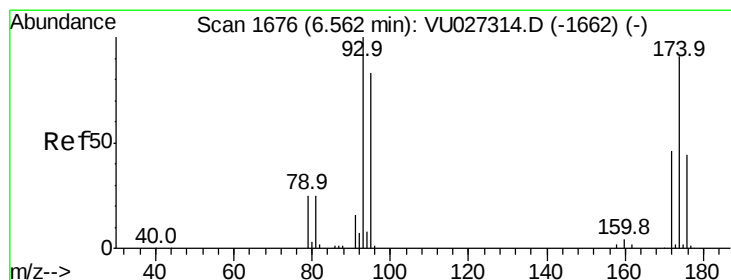
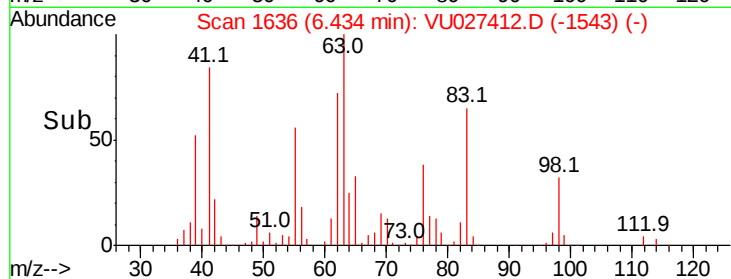
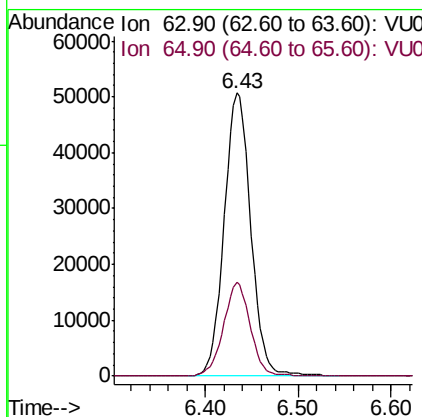
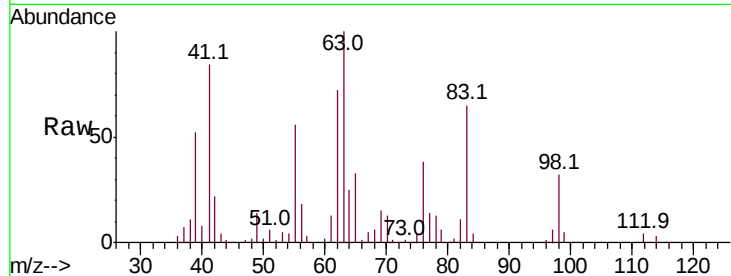
#45
 1,2-Dichloropropane
 Concen: 46.820 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027412.D
 Acq: 04 Oct 2018 16:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 101046
 Ion Ratio Lower Upper
 63 100
 65 33.0 26.0 39.0

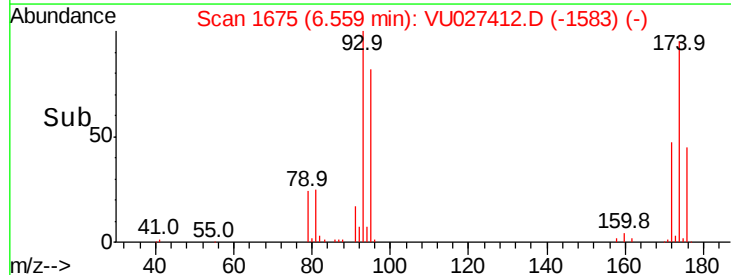
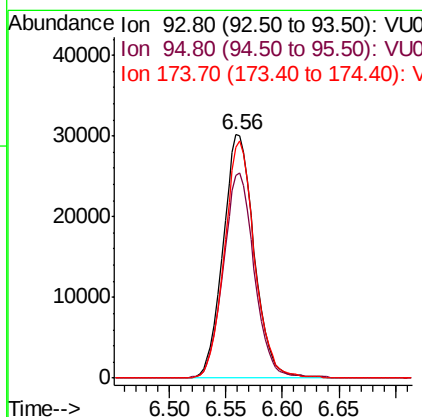
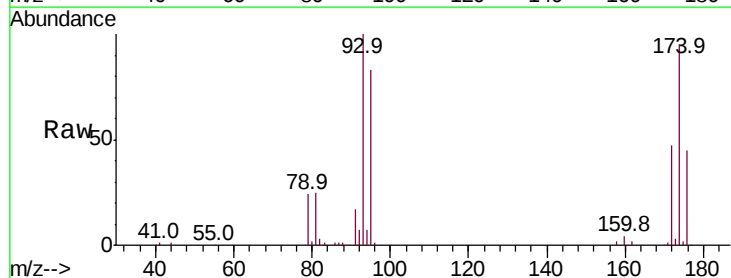
Manual Integrations
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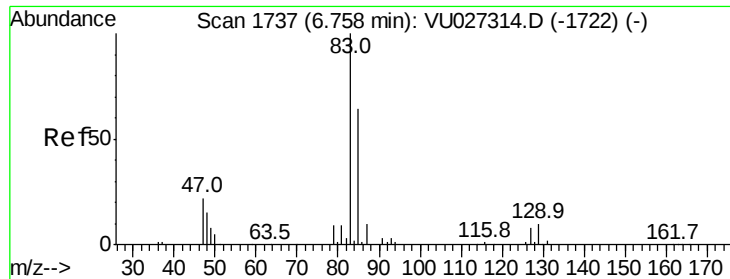
MMDadoda
 10/8/2018 1:52:34 PM



#46
 Dibromomethane
 Concen: 47.443 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027412.D
 Acq: 04 Oct 2018 16:45

Tgt Ion: 93 Resp: 57829
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.5 99.7
 174 94.3 72.5 108.7





#47

Bromodichloromethane

Concen: 45.664 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

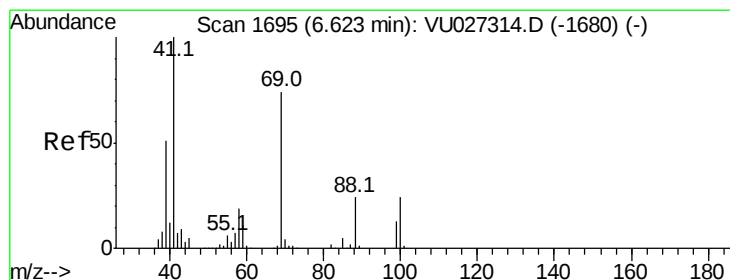
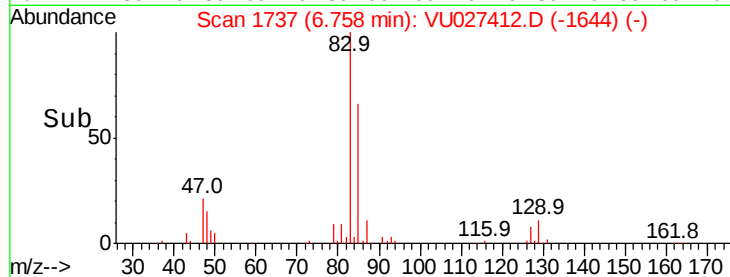
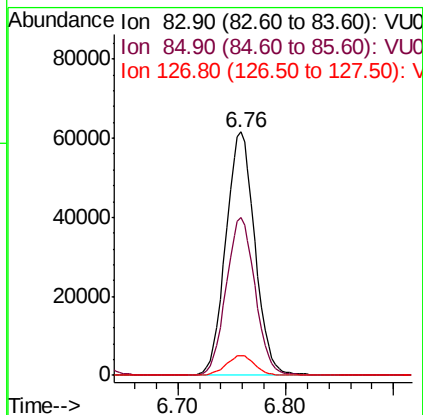
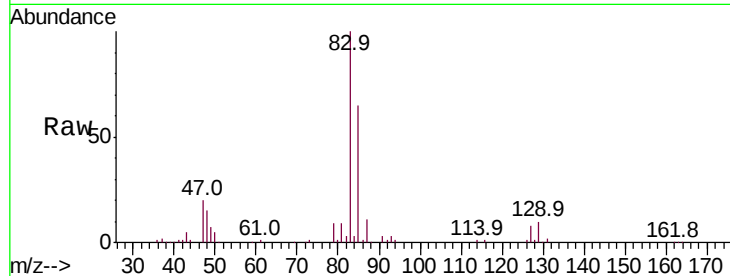
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	115496
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.4	77.0
127	8.1	6.3	9.5

Manual Integrations
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MMDadoda
10/8/2018 1:52:34 PM



#48

Methyl methacrylate

Concen: 47.705 ug/l

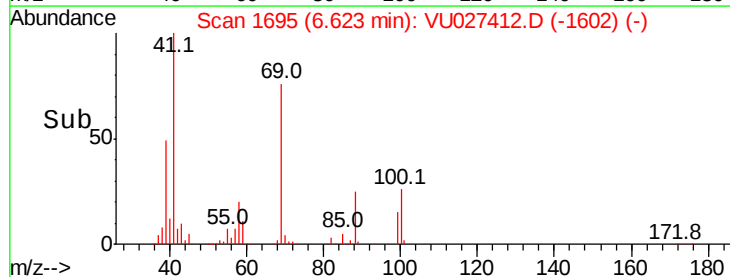
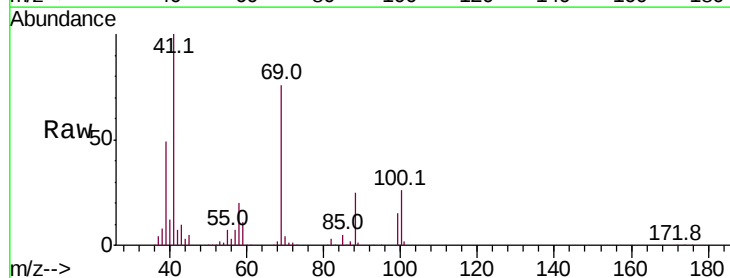
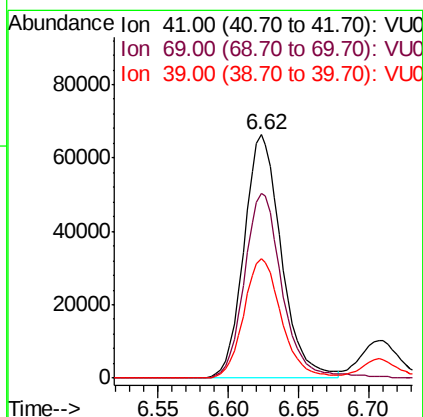
RT: 6.62 min Scan# 1695

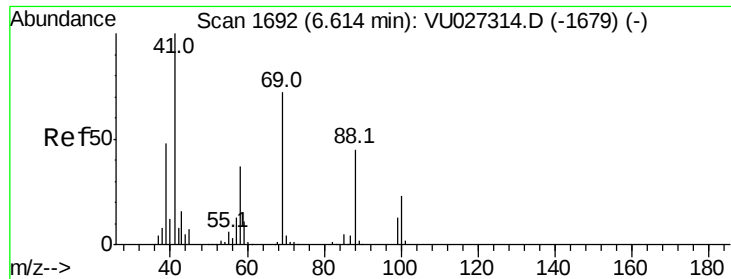
Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Tgt Ion:	41	Resp:	122318
Ion Ratio	Lower	Upper	
41	100		
69	77.5	61.0	91.4
39	49.3	39.9	59.9





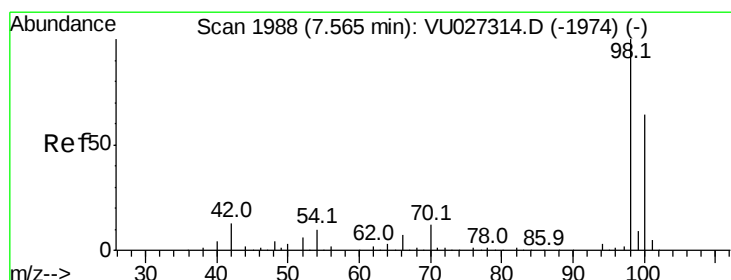
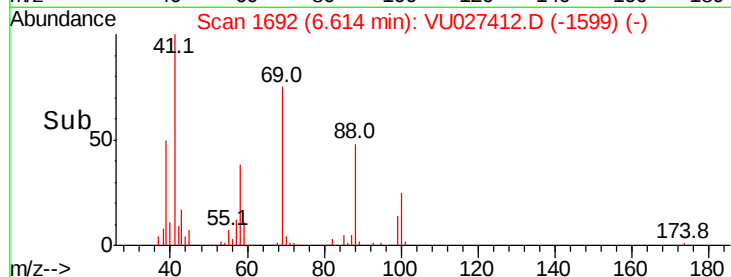
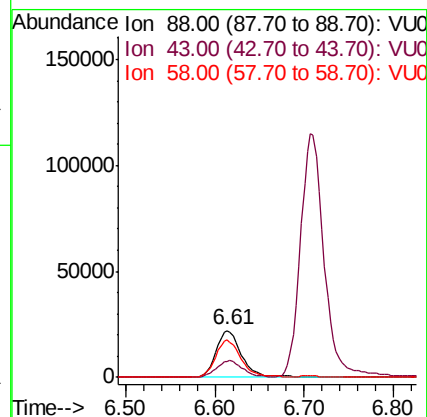
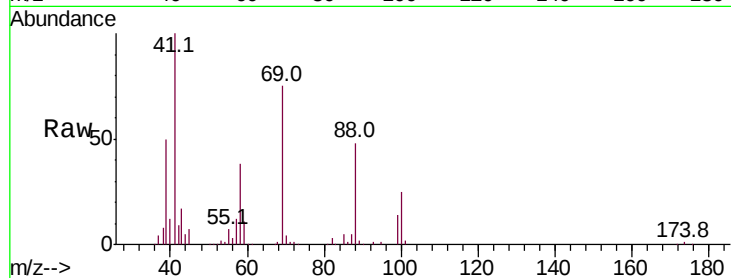
#49
1,4-Dioxane
Concen: 1004.314 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	30.8	46.2
58	78.7	67.0	100.6

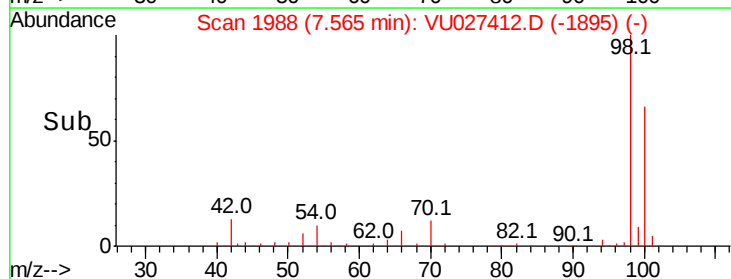
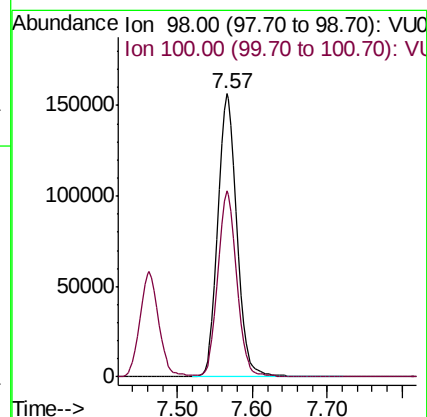
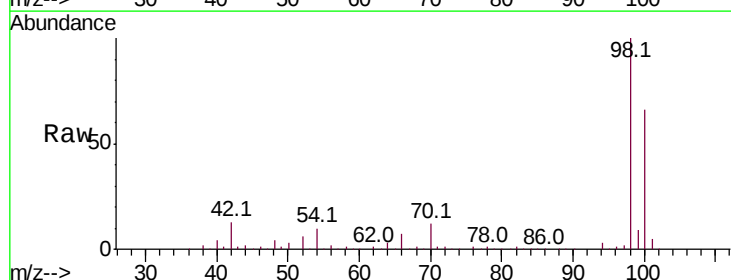
Manual Integrations
APPROVED

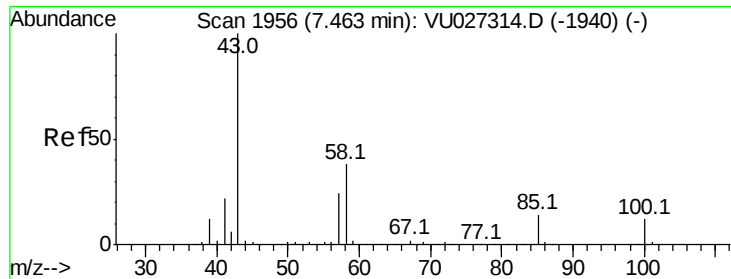
MMDadoda
10/8/2018 1:52:34 PM



#50
Toluene-d8
Concen: 45.857 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 235.954 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 790564

Ion Ratio Lower Upper

43 100

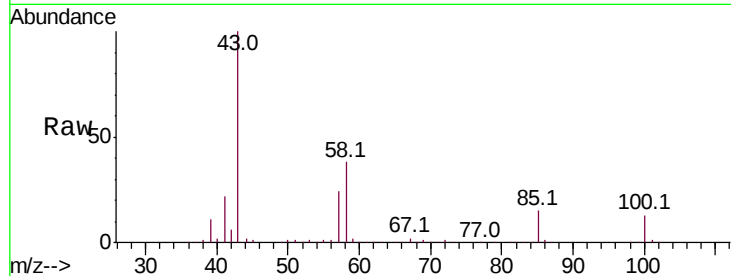
58 38.4 29.8 44.8

Manual Integrations

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MMDadoda

10/8/2018 1:52:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

400000

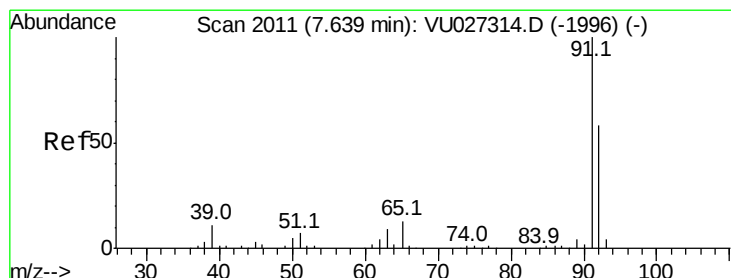
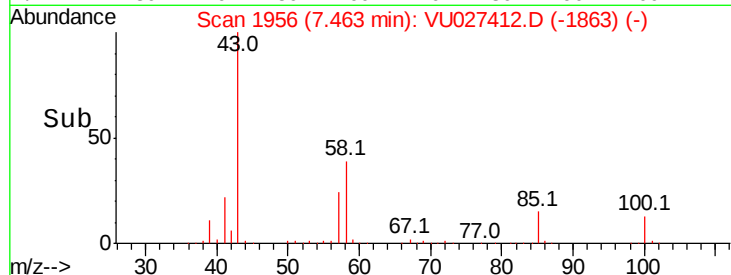
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.340 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027412.D

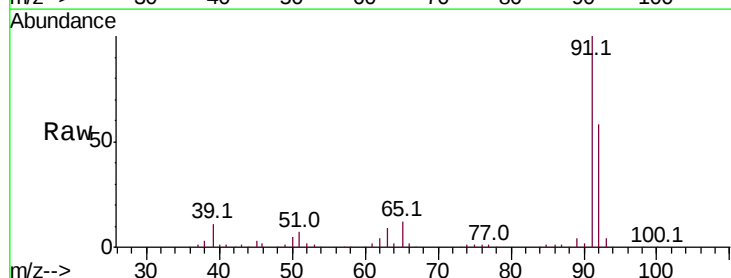
Acq: 04 Oct 2018 16:45

Tgt Ion: 92 Resp: 209661

Ion Ratio Lower Upper

92 100

91 171.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

200000

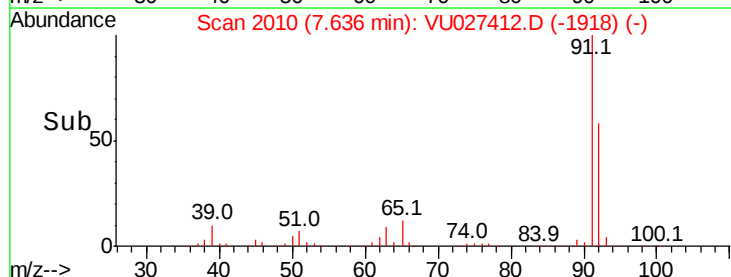
150000

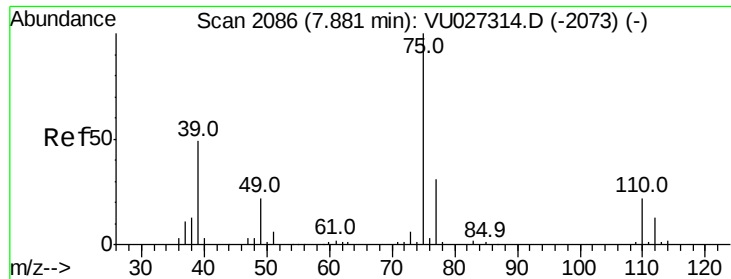
100000

50000

0

Time-->





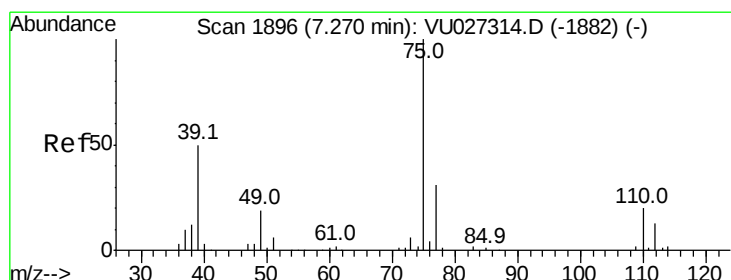
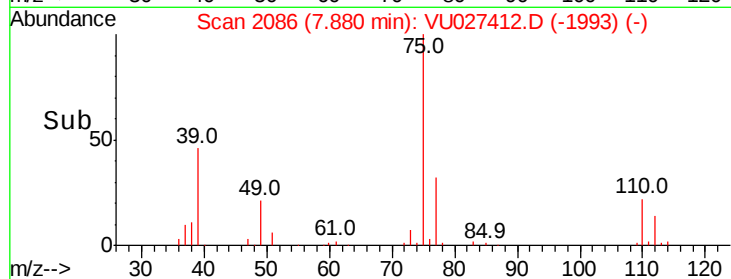
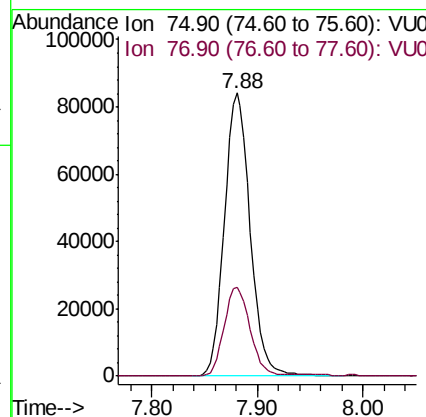
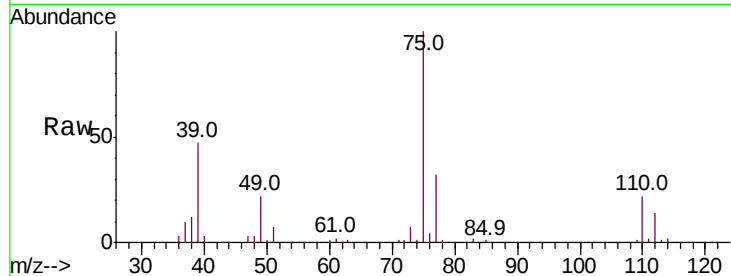
#53
t-1,3-Dichloropropene
Concen: 47.895 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.6

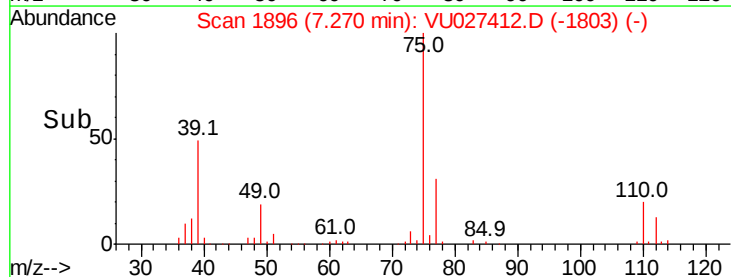
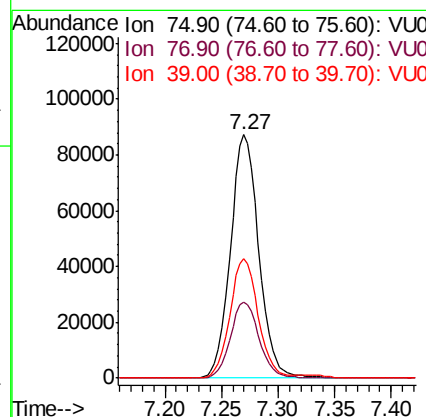
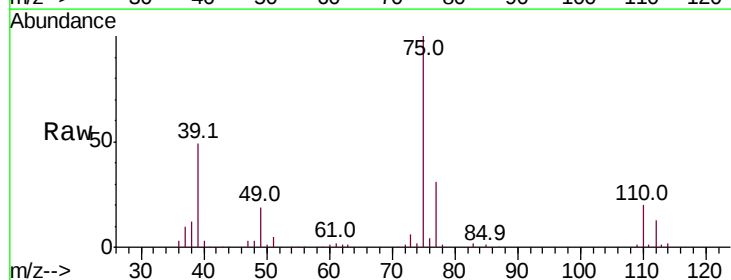
Manual Integrations
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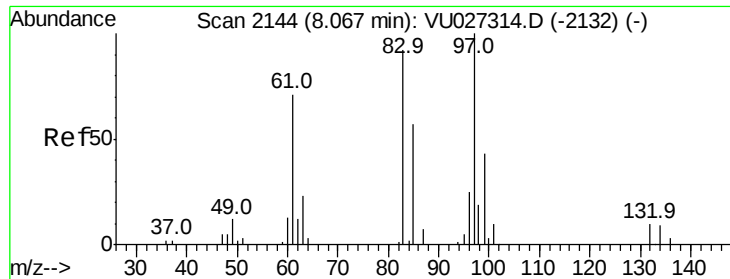
MMDadoda
10/8/2018 1:52:34 PM



#54
cis-1,3-Dichloropropene
Concen: 47.795 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.5	36.7
39	48.9	40.1	60.1





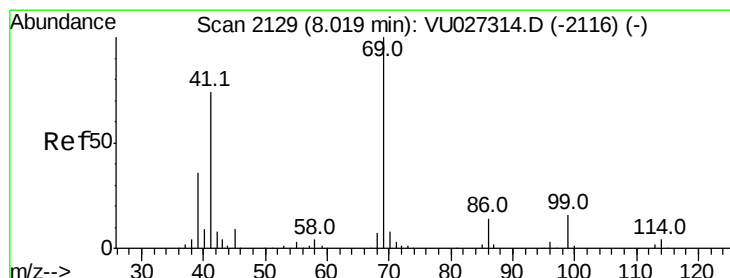
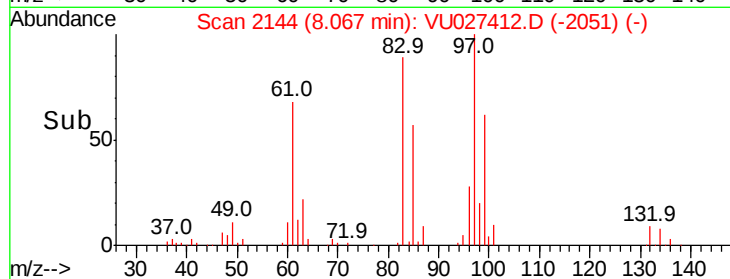
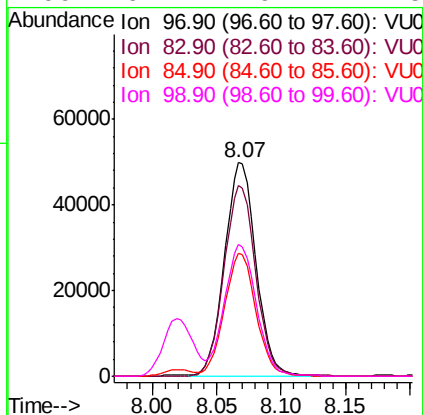
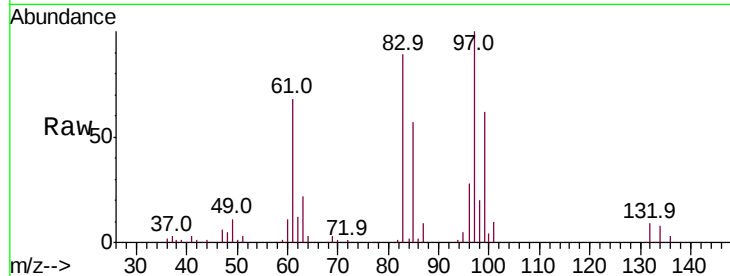
#55
 1,1,2-Trichloroethane
 Concen: 48.141 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027412.D
 Acq: 04 Oct 2018 16:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	84534
Ion	Ratio	Lower	Upper
97	100		
83	89.5	73.0	109.6
85	57.5	47.3	70.9
99	61.7	49.7	74.5

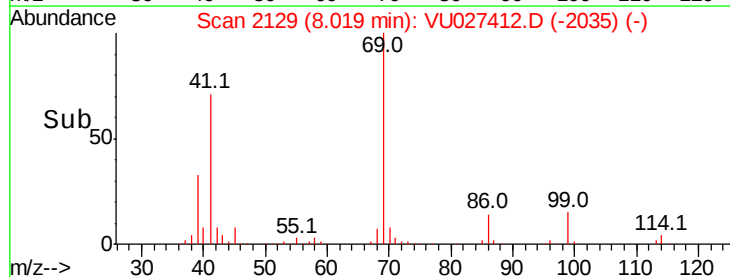
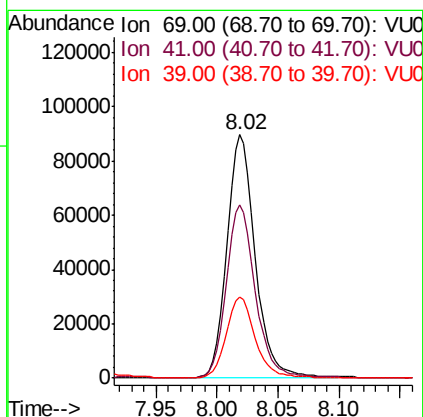
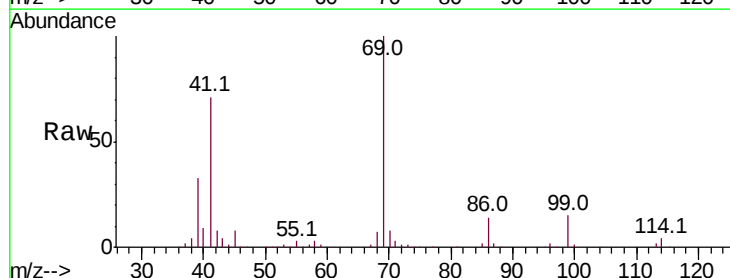
Manual Integrations
 APPROVED

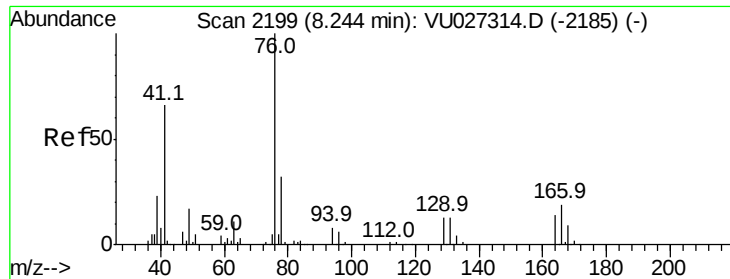
MMDadoda
 10/8/2018 1:52:34 PM



#56
 Ethyl methacrylate
 Concen: 43.706 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027412.D
 Acq: 04 Oct 2018 16:45

Tgt Ion:	69	Resp:	145961
Ion	Ratio	Lower	Upper
69	100		
41	73.6	60.0	90.0
39	33.9	29.5	44.3





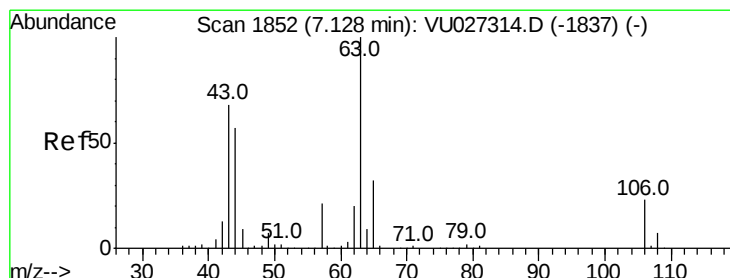
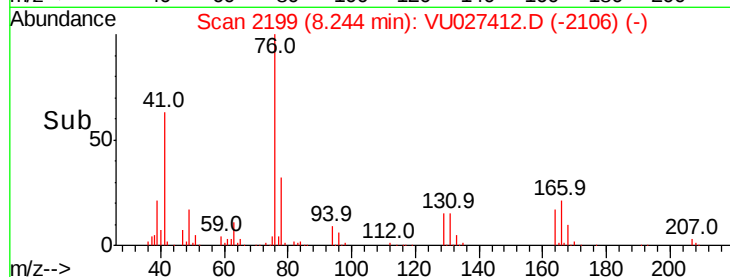
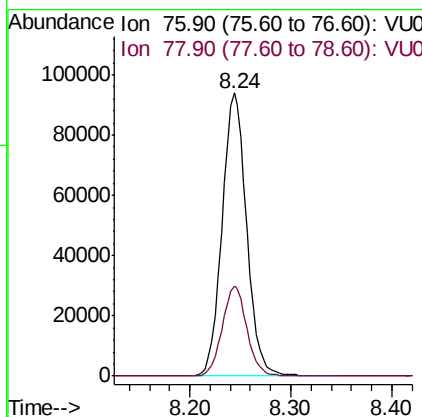
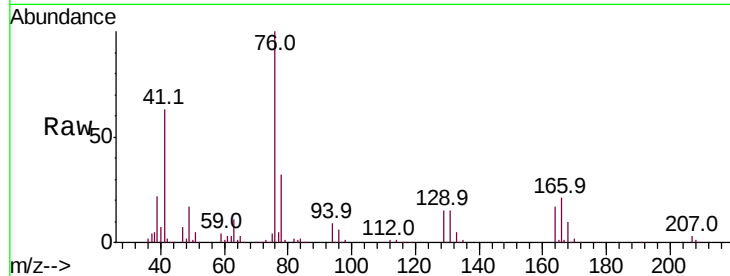
#57
 1,3-Dichloropropane
 Concen: 46.796 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027412.D
 Acq: 04 Oct 2018 16:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.6

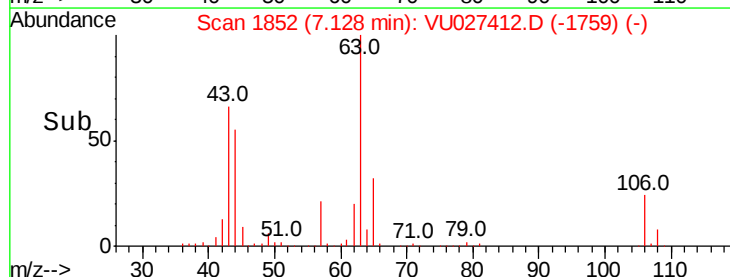
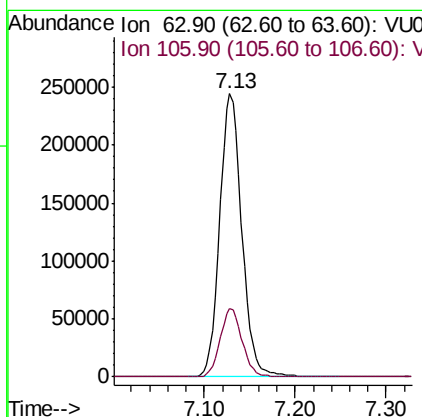
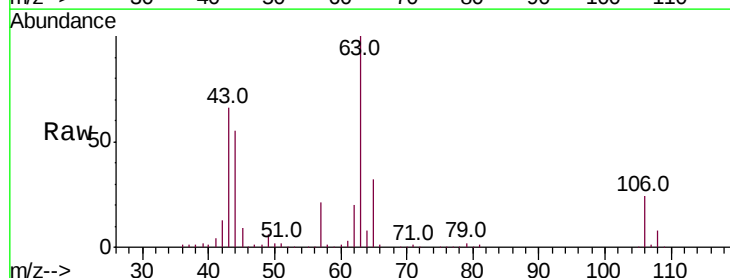
Manual Integrations
 APPROVED

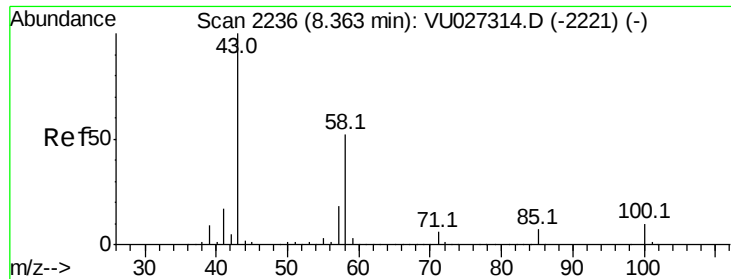
MMDadoda
 10/8/2018 1:52:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 223.981 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027412.D
 Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.0	18.5	27.7





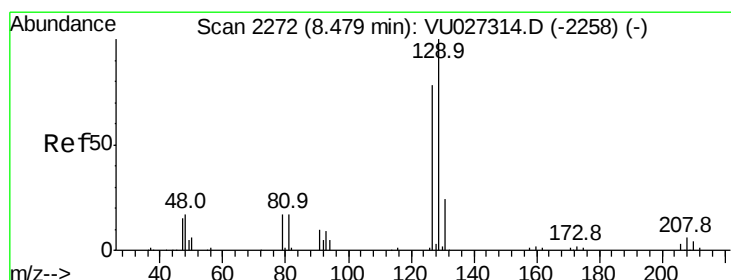
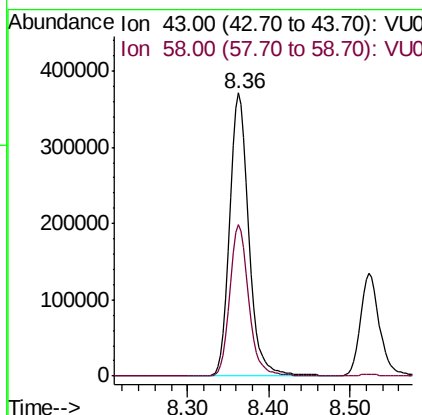
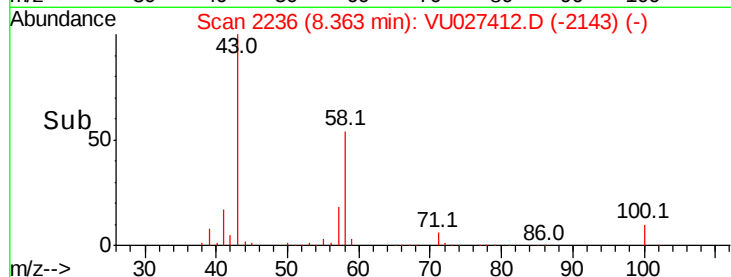
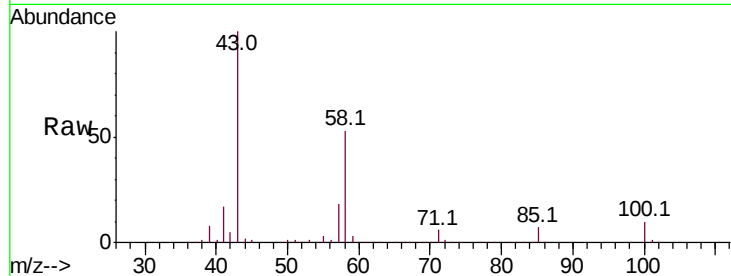
#59
2-Hexanone
Concen: 238.089 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 618806
Ion Ratio Lower Upper
43 100
58 53.0 26.1 78.3

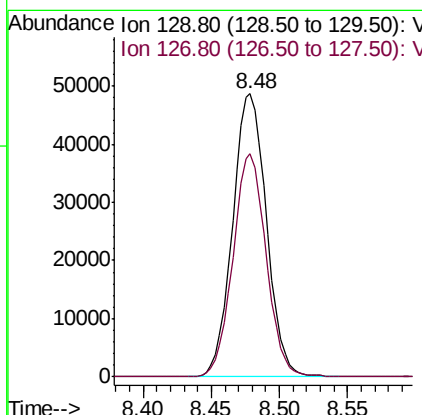
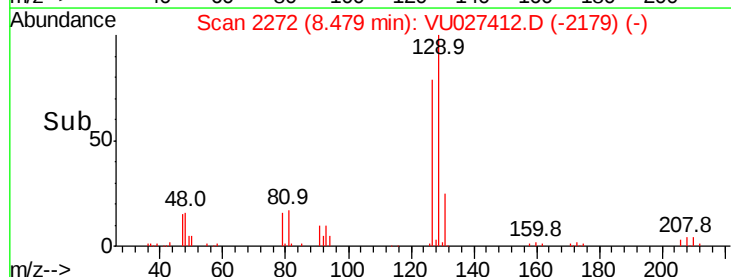
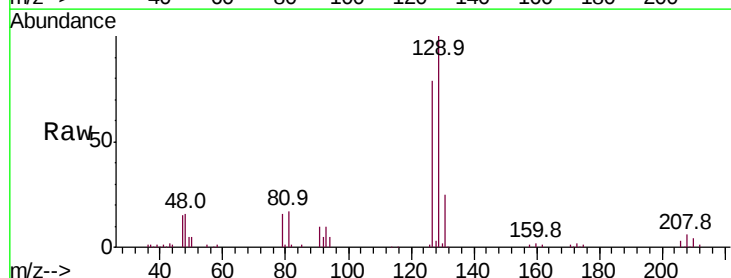
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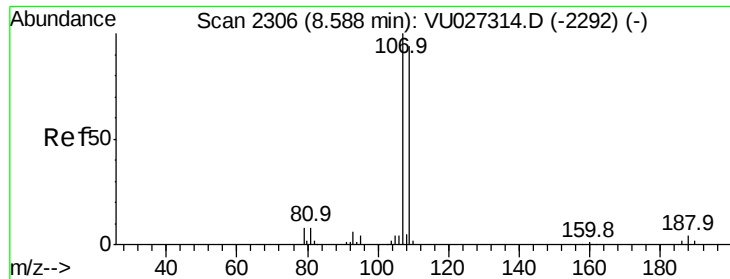
MMDadoda
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#60
Dibromochloromethane
Concen: 47.574 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Tgt Ion: 129 Resp: 83784
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.2





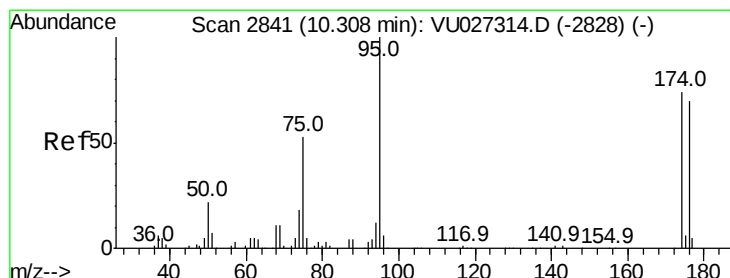
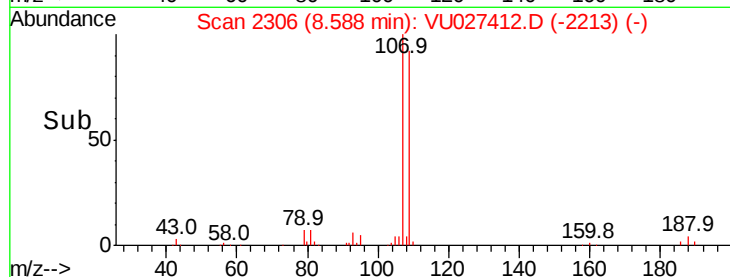
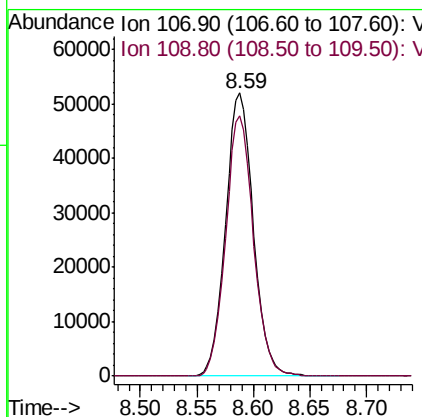
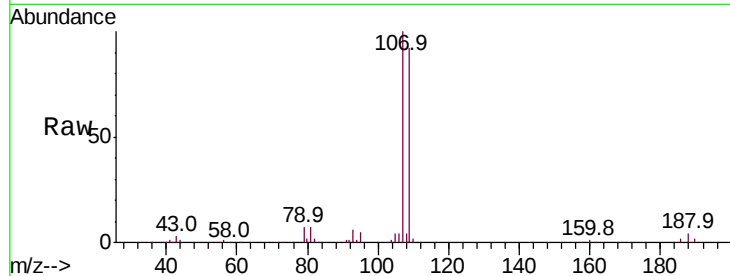
#61
 1,2-Dibromoethane
 Concen: 47.511 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027412.D
 Acq: 04 Oct 2018 16:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.5	111.7

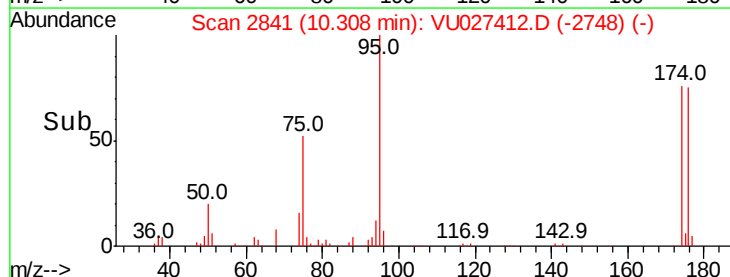
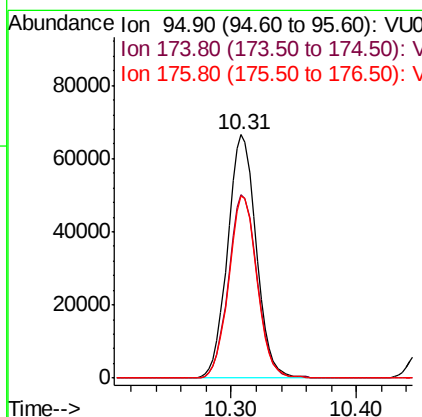
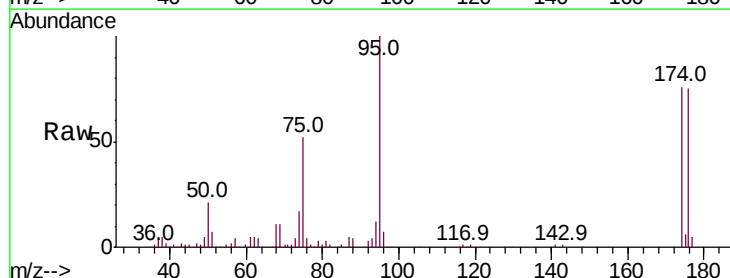
Manual Integrations
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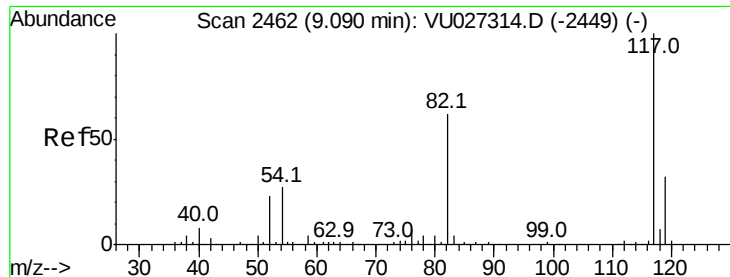
MMDadoda
 10/8/2018 1:52:34 PM



#62
 4-Bromofluorobenzene
 Concen: 46.581 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027412.D
 Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	147.8
176	74.0	0.0	140.8





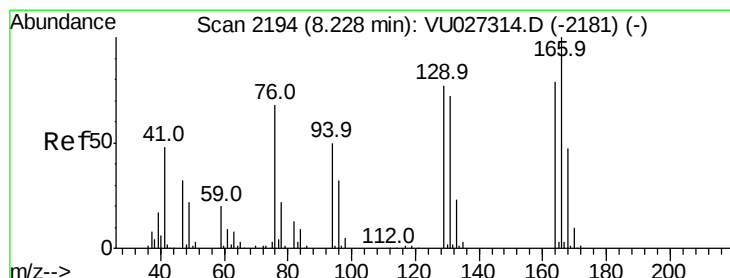
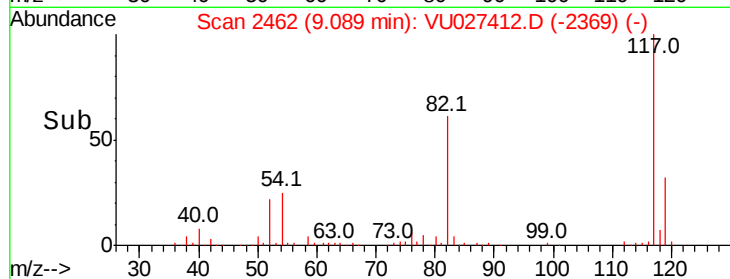
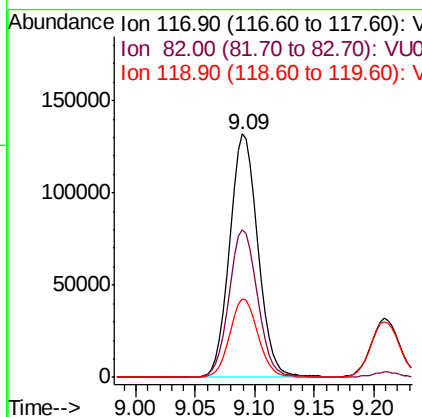
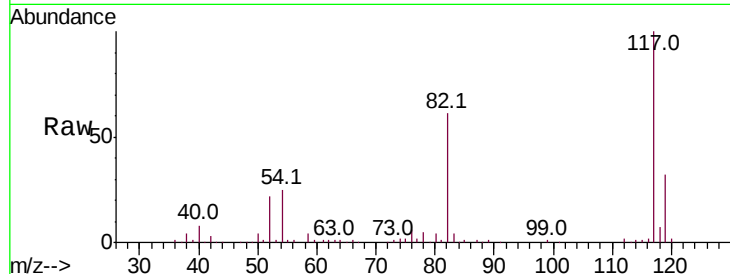
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	49.2	73.8
119	32.4	25.7	38.5

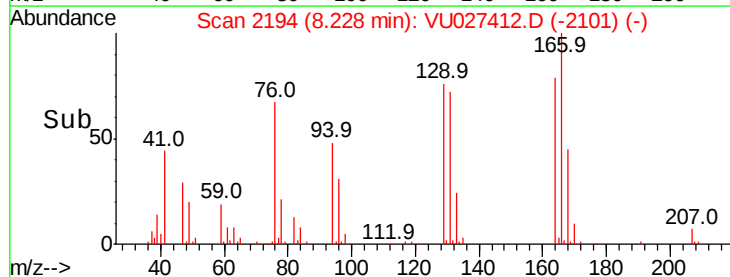
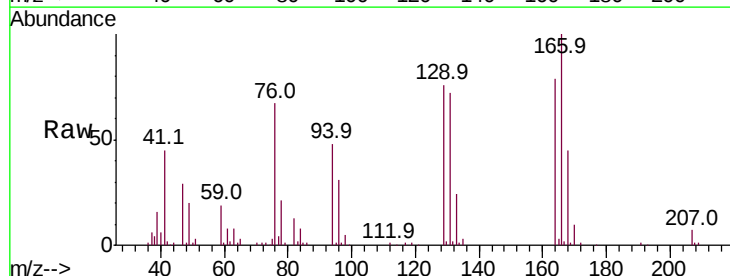
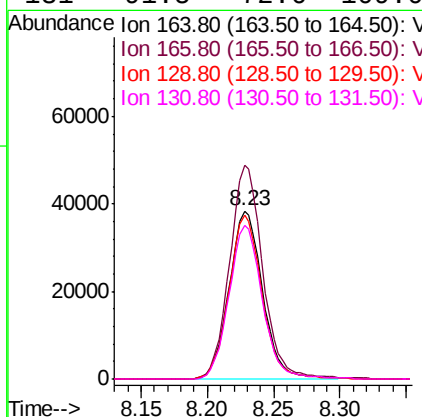
Manual Integrations
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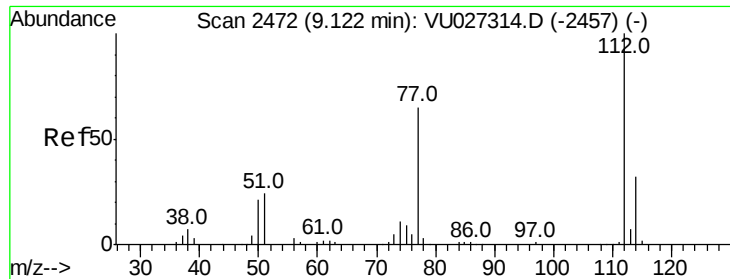
MMDadoda
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#64
Tetrachloroethene
Concen: 49.658 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.0	151.6
129	97.4	78.0	117.0
131	91.5	72.6	109.0





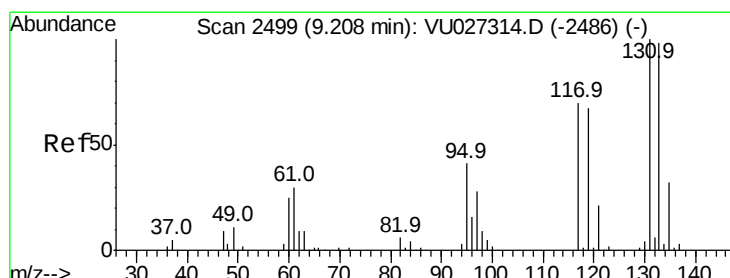
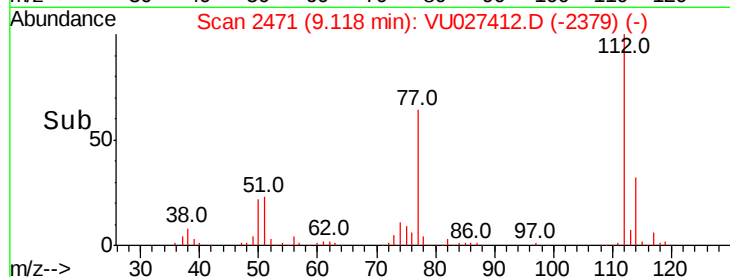
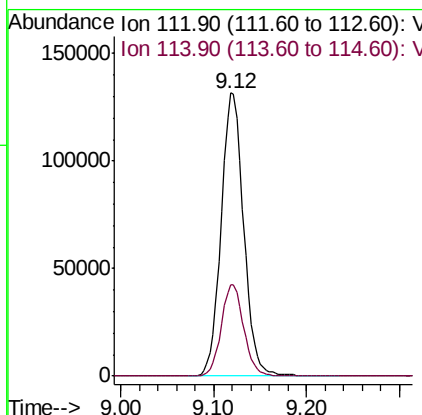
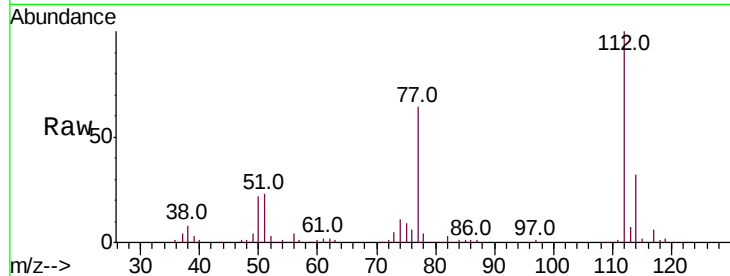
#65
Chlorobenzene
Concen: 48.487 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 222355
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6

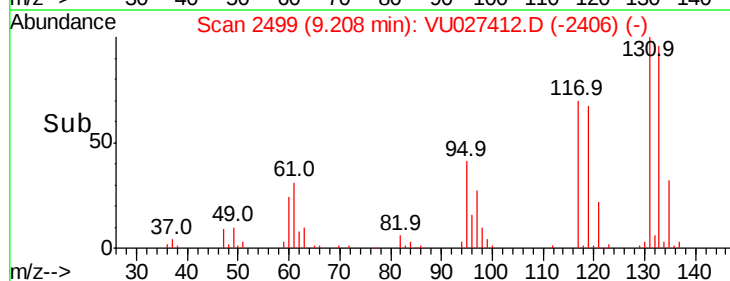
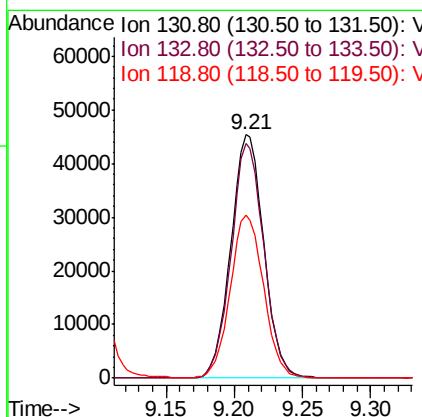
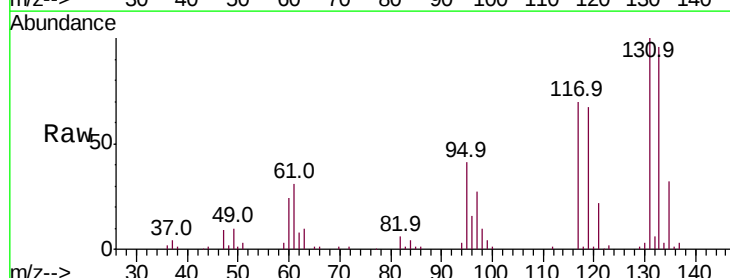
Manual Integrations
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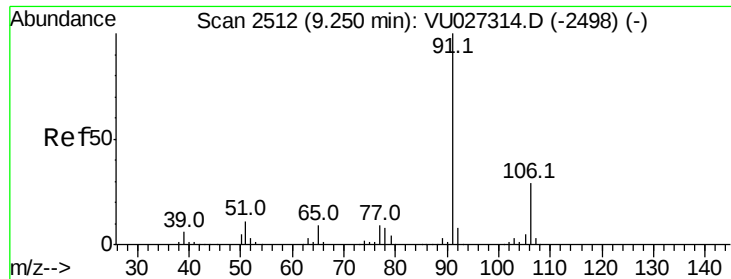
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.982 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Tgt Ion:131 Resp: 75961
Ion Ratio Lower Upper
131 100
133 95.8 48.5 145.6
119 67.8 33.5 100.4





#67

Ethyl Benzene

Concen: 49.736 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 404096

Ion Ratio Lower Upper

91 100

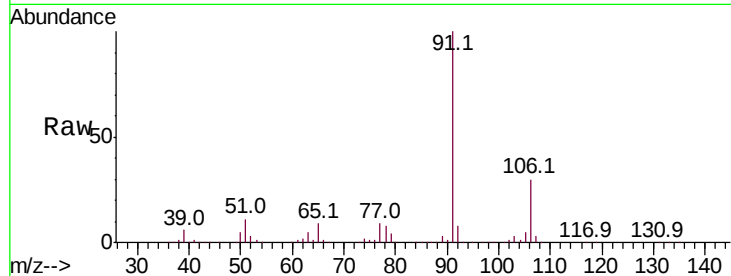
106 29.7 23.6 35.4

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Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-2498) (-)

Ion 106.00 (105.70 to 106.70): VU027314.D (-2498) (-)

400000

300000

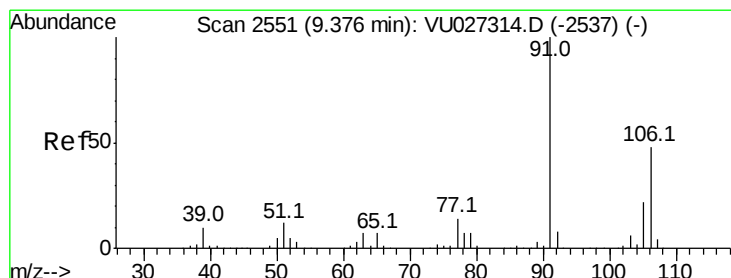
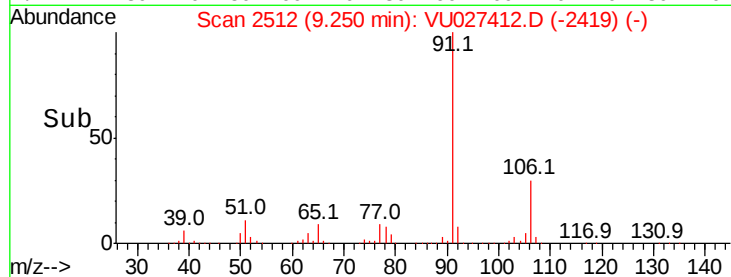
200000

100000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#68

m/p-Xylenes

Concen: 101.147 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027412.D

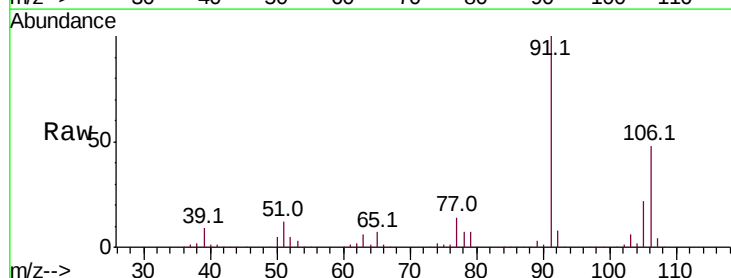
Acq: 04 Oct 2018 16:45

Tgt Ion: 106 Resp: 300602

Ion Ratio Lower Upper

106 100

91 209.4 168.1 252.1



Abundance Ion 106.00 (105.70 to 106.70): VU027314.D (-2537) (-)

Ion 91.00 (90.70 to 91.70): VU027314.D (-2537) (-)

400000

300000

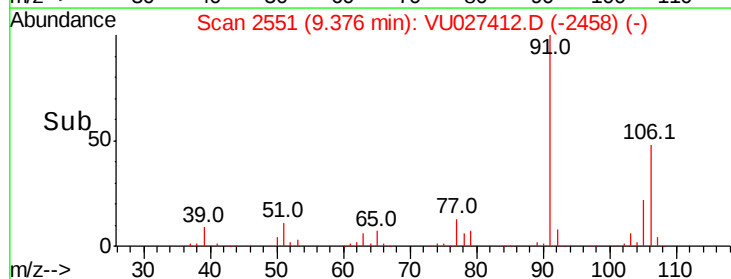
200000

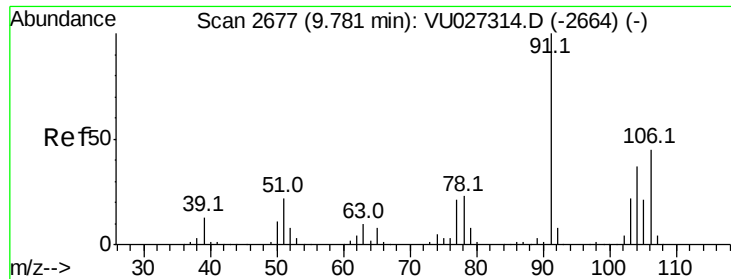
100000

0

9.30 9.40 9.50

Time-->





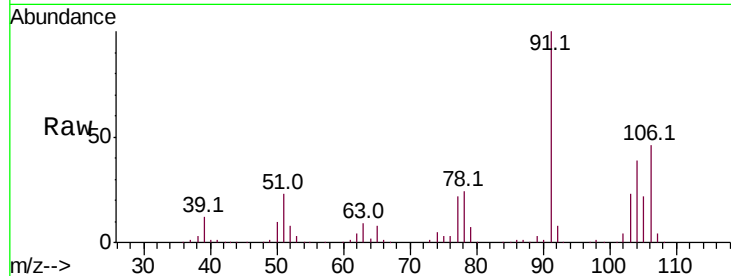
#69
o-Xylene
Concen: 50.996 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

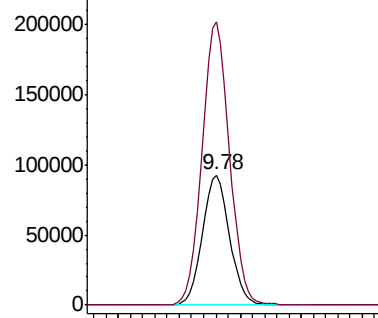
Tot Ion:106 Resp: 144022
Ion Ratio Lower Upper
106 100
91 220.1 111.7 334.9

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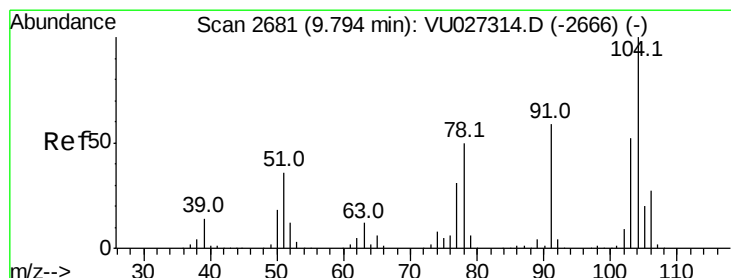
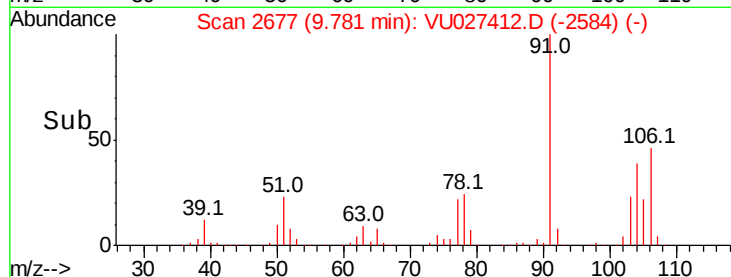
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

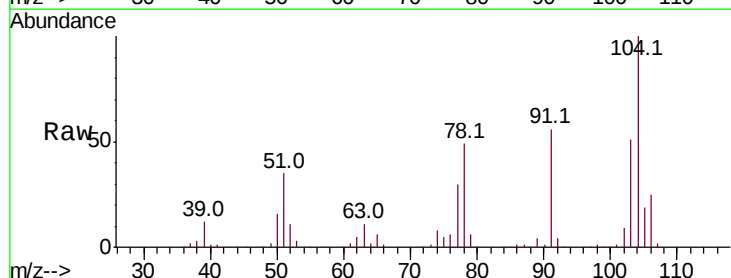


Time-->

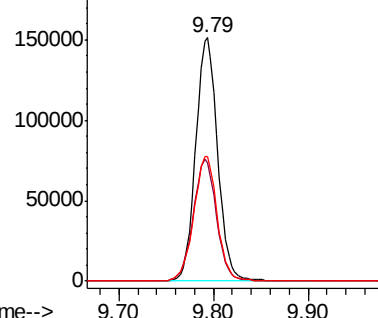


#70
Styrene
Concen: 46.422 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

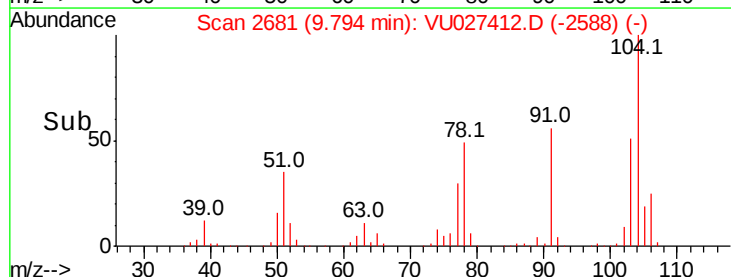
Tgt Ion:104 Resp: 244159
Ion Ratio Lower Upper
104 100
78 53.2 42.9 64.3
103 54.4 43.9 65.9

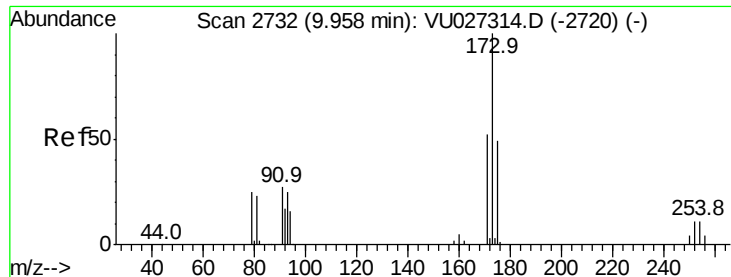


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 48.010 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 61150

Ion Ratio Lower Upper

173 100

175 49.1 24.3 73.0

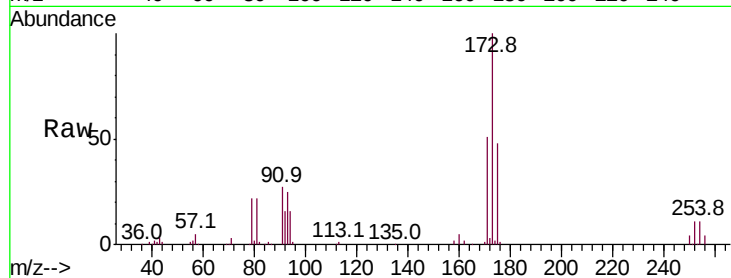
254 0.0 0.0 0.0

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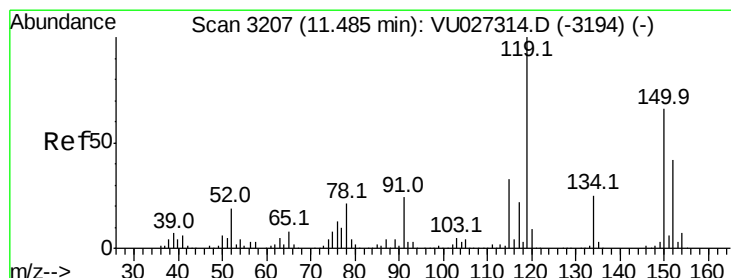
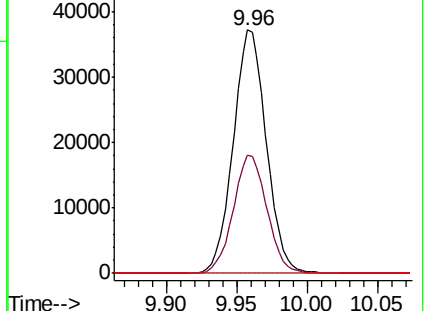
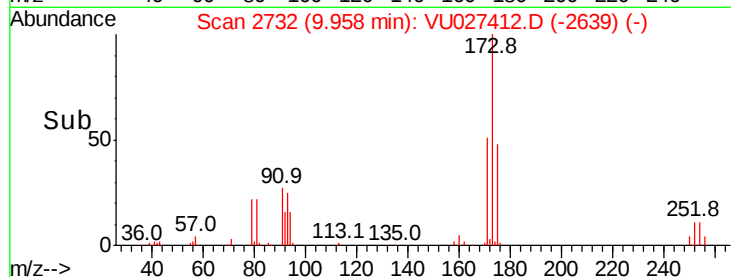
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VU027412.D

Acq: 04 Oct 2018 16:45

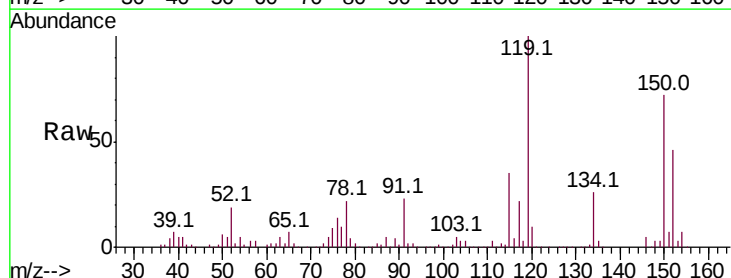
Tgt Ion:152 Resp: 114596

Ion Ratio Lower Upper

152 100

115 83.5 43.4 130.2

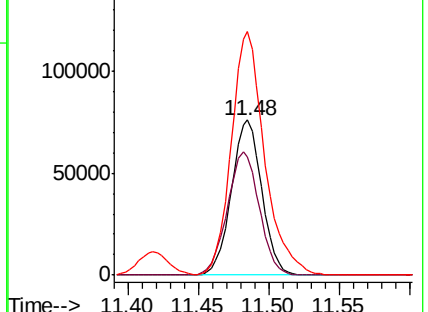
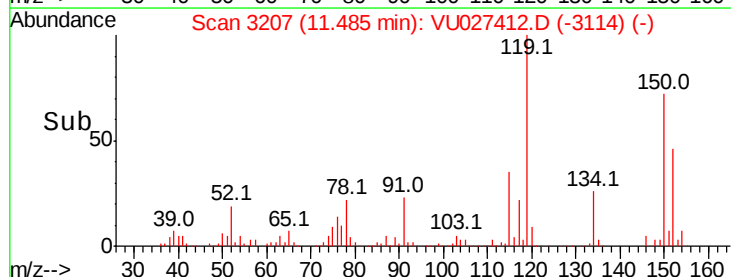
150 172.1 0.0 349.2

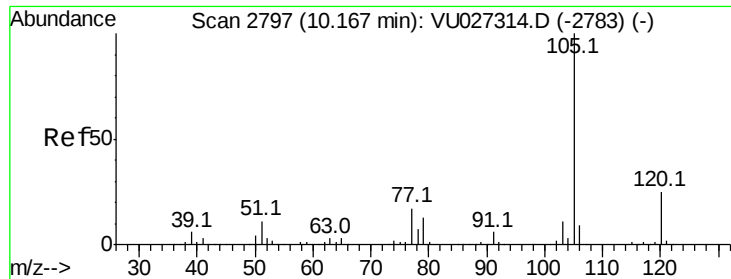


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.359 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 394163

Ion Ratio Lower Upper

105 100

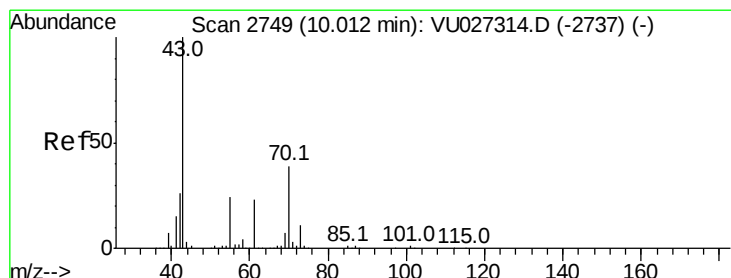
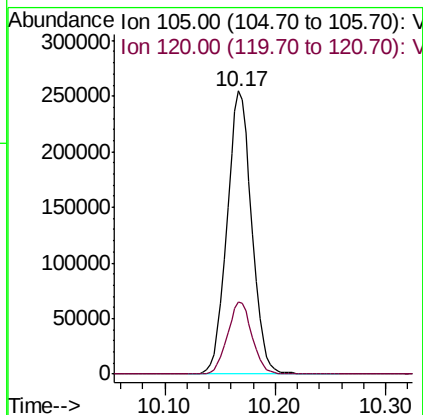
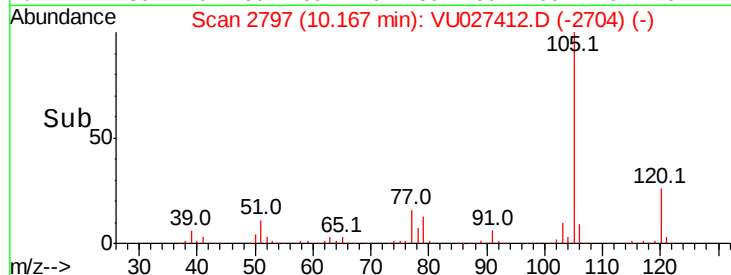
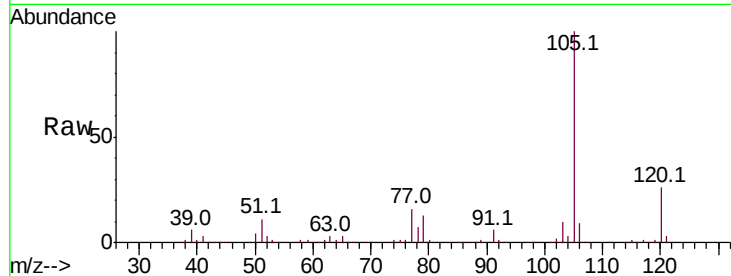
120 25.5 12.6 37.8

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#74

N-ethyl acetate

Concen: 45.730 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Tgt Ion: 43 Resp: 217890

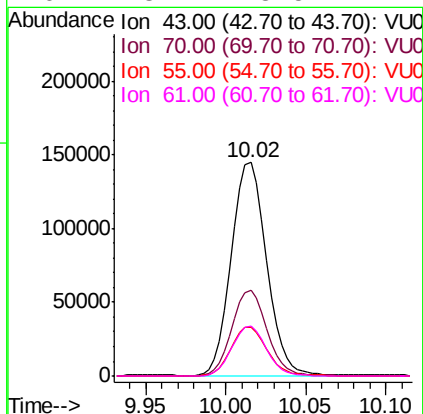
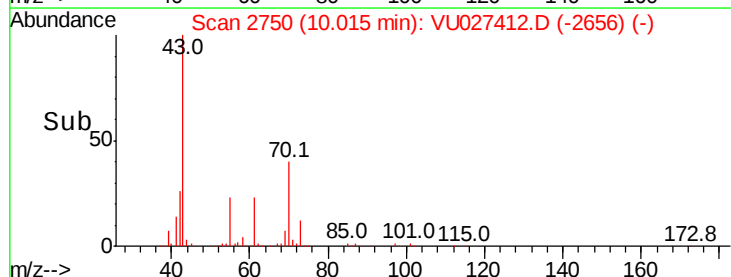
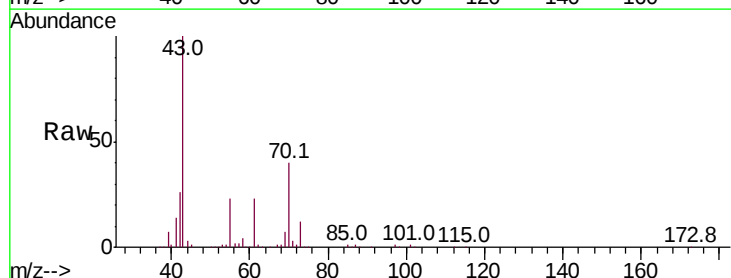
Ion Ratio Lower Upper

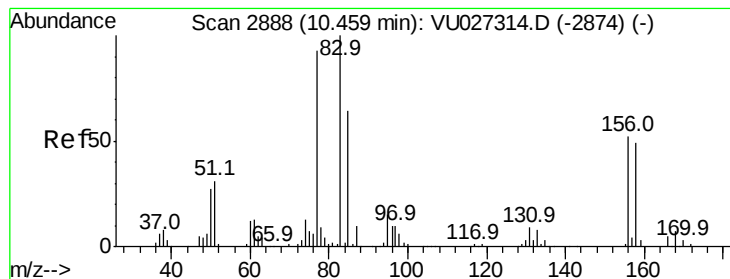
43 100

70 40.1 31.3 46.9

55 23.6 19.0 28.6

61 23.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 44.232 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 144554

Ion Ratio Lower Upper

83 100

131 8.6 4.4 13.2

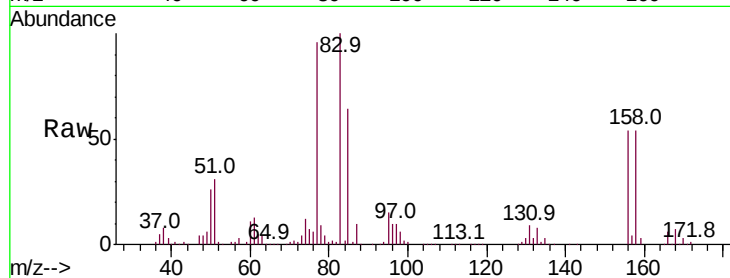
85 64.6 32.0 96.0

Manual Integrations

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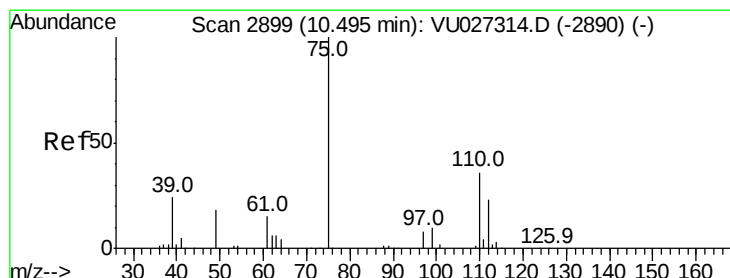
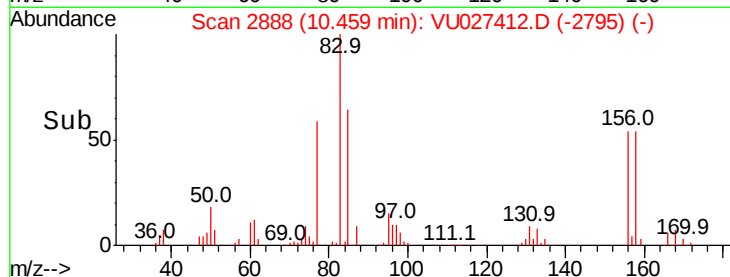


Abundance Ion 82.90 (82.60 to 83.60): VU027412.D (-2795) (-)

Ion 130.80 (130.50 to 131.50): VU027412.D (-2795) (-)

Ion 84.90 (84.60 to 85.60): VU027412.D (-2795) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 44.610 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027412.D

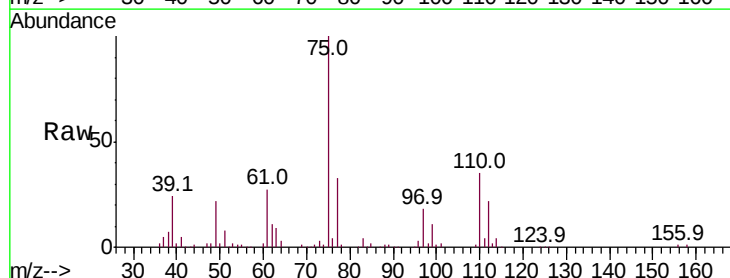
Acq: 04 Oct 2018 16:45

Tgt Ion: 75 Resp: 132519

Ion Ratio Lower Upper

75 100

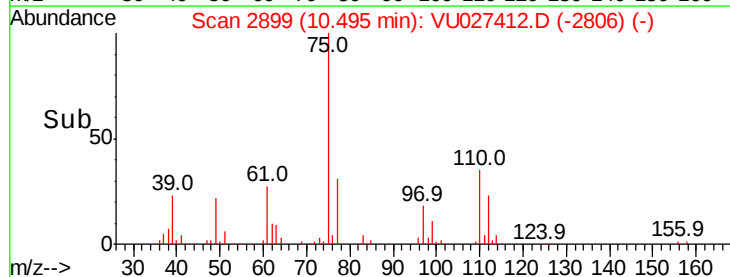
77 39.7 20.3 60.9

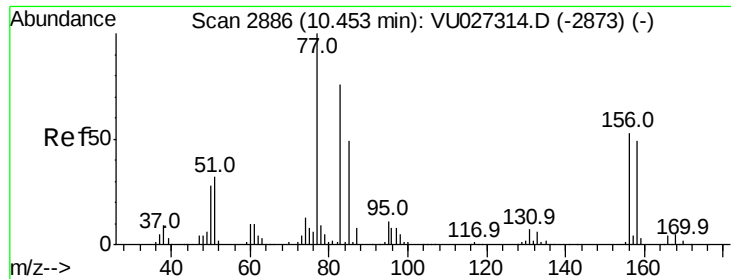


Abundance Ion 74.90 (74.60 to 75.60): VU027412.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027412.D (-2806) (-)

Time-->





#77

Bromobenzene

Concen: 47.001 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

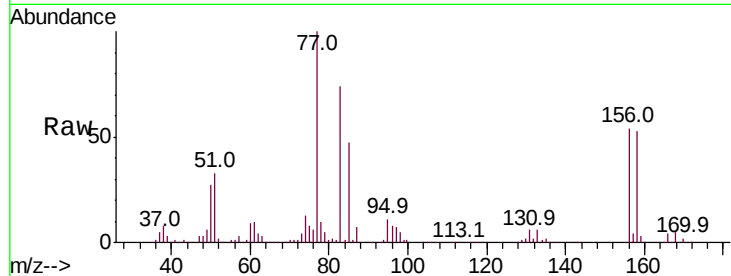
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.2	94.8	284.4
158	98.5	47.4	142.3

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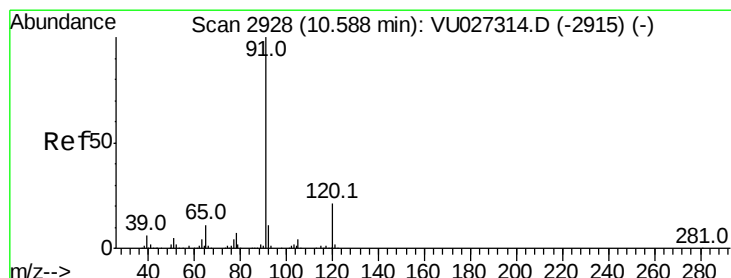
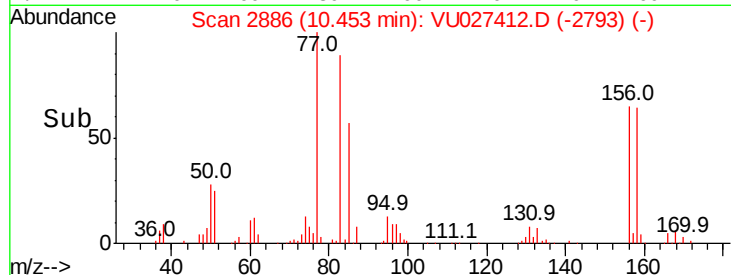
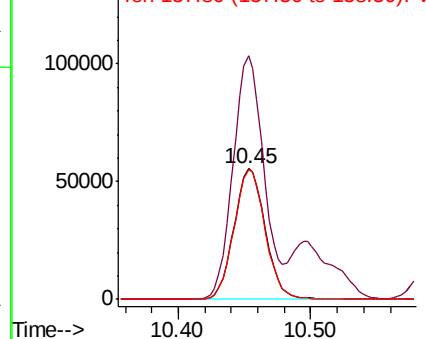
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VU0

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 48.622 ug/l

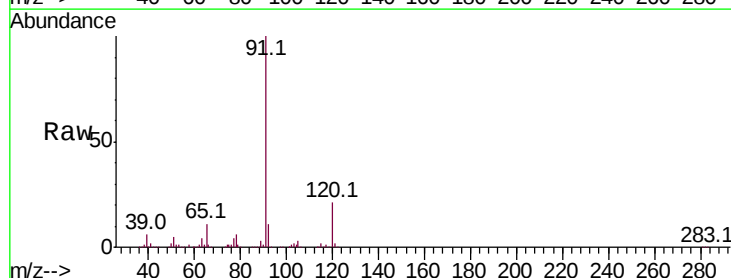
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027412.D

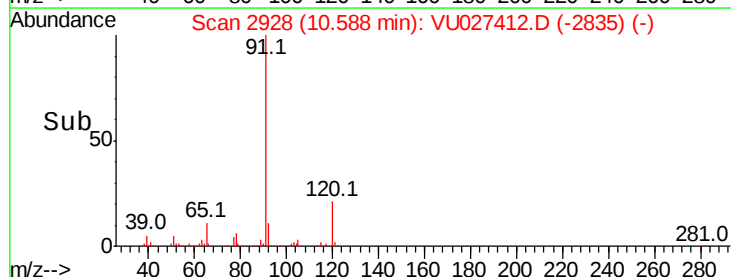
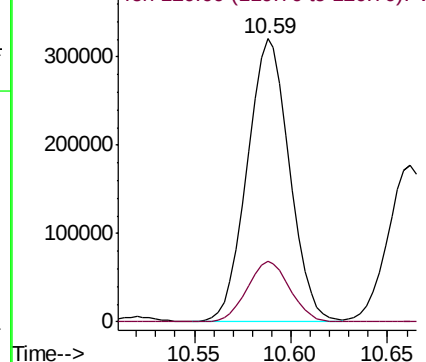
Acq: 04 Oct 2018 16:45

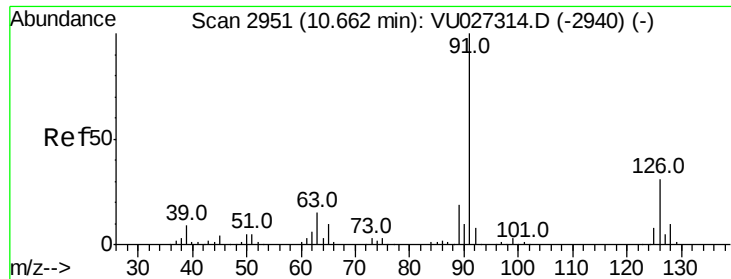
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.30): VU0

Ion 120.00 (119.70 to 120.30): V





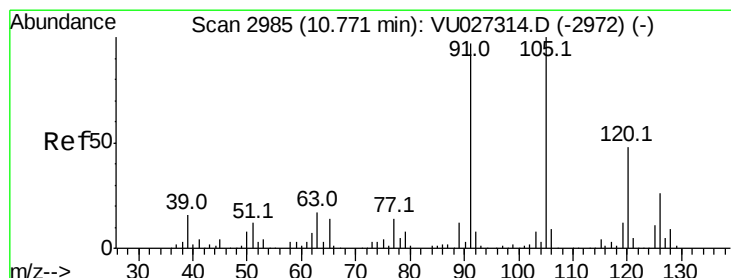
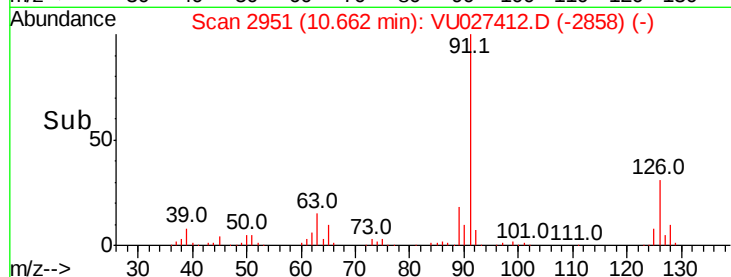
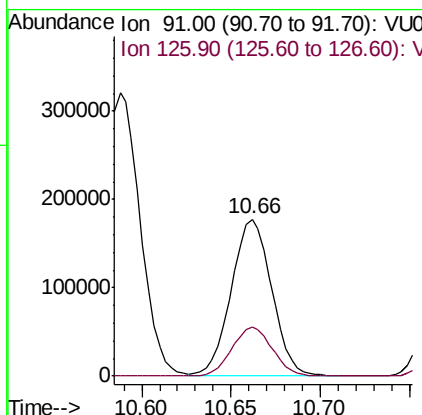
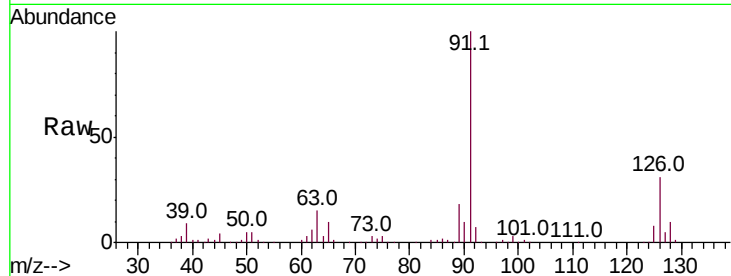
#79
2-Chlorotoluene
Concen: 46.135 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 278587
Ion Ratio Lower Upper
91 100
126 31.4 15.7 47.1

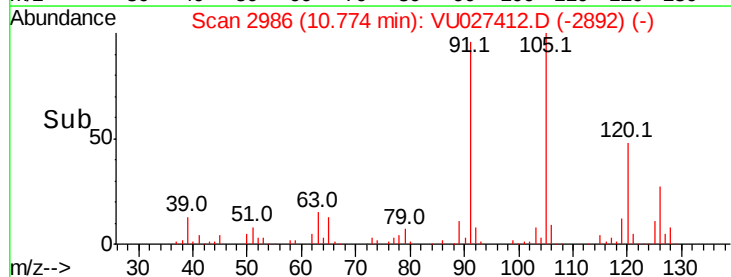
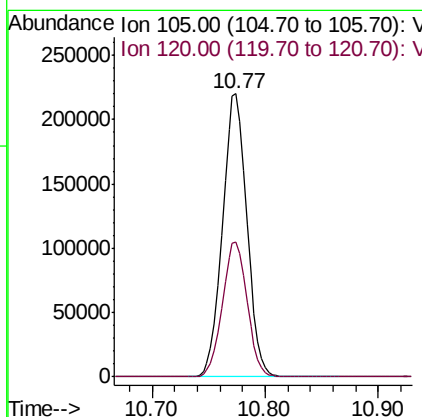
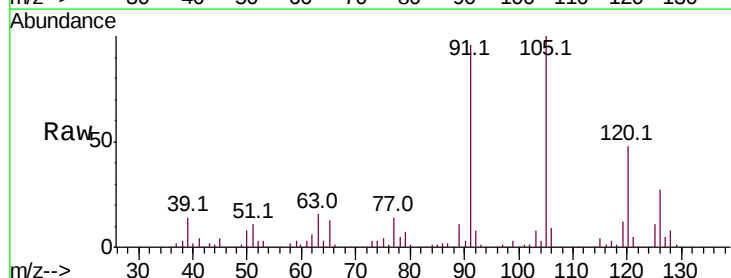
Manual Integrations
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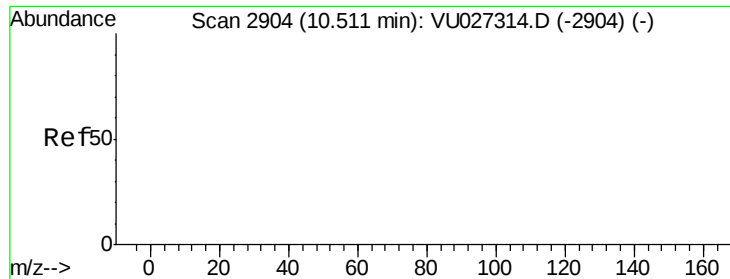
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#80
1,3,5-Trimethylbenzene
Concen: 48.703 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Tgt Ion: 105 Resp: 330019
Ion Ratio Lower Upper
105 100
120 48.4 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 44.554 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VU027412.D

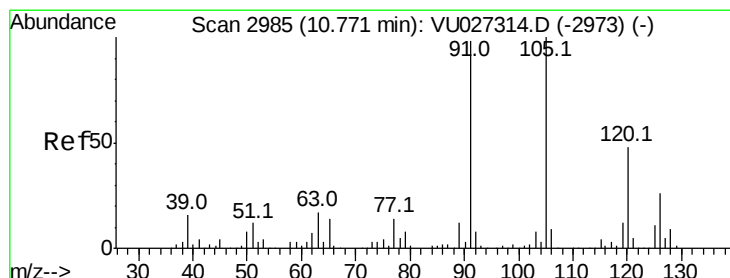
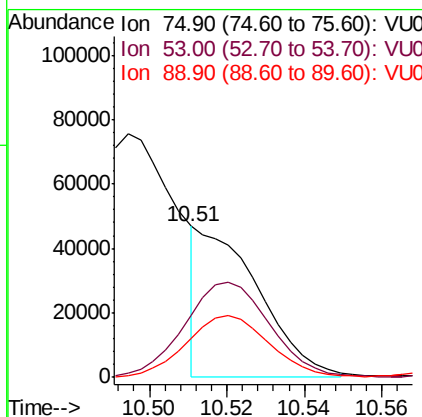
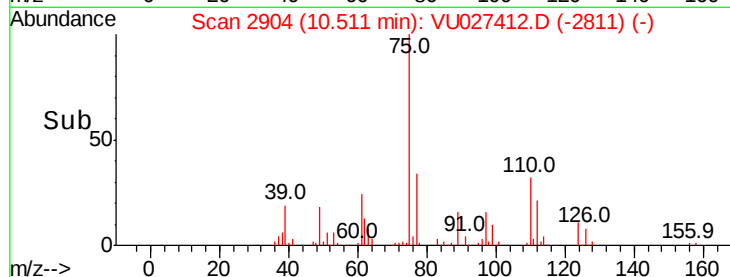
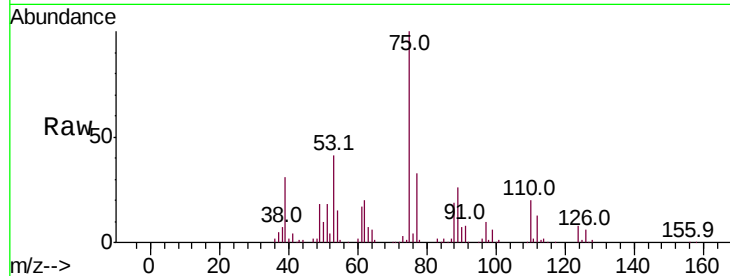
Acq: 04 Oct 2018 16:45

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
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#82

4-Chlorotoluene

Concen: 47.941 ug/l

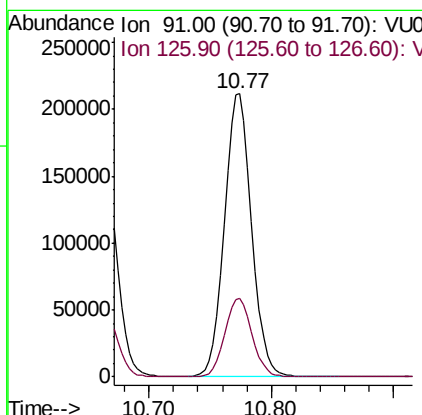
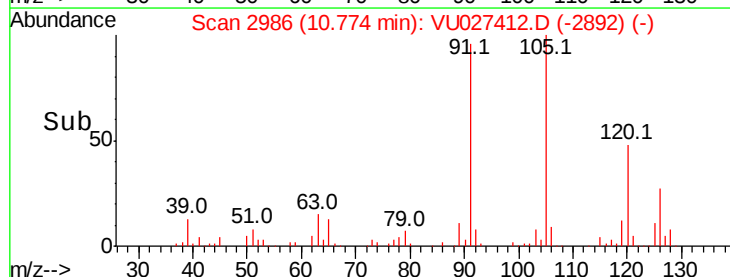
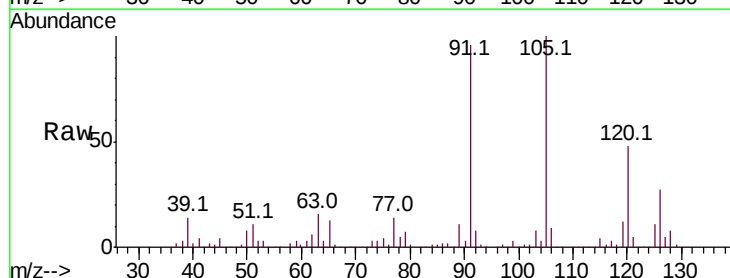
RT: 10.77 min Scan# 2986

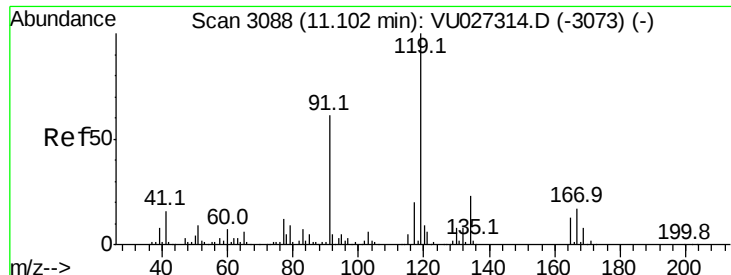
Delta R.T. 0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	13.6	40.8





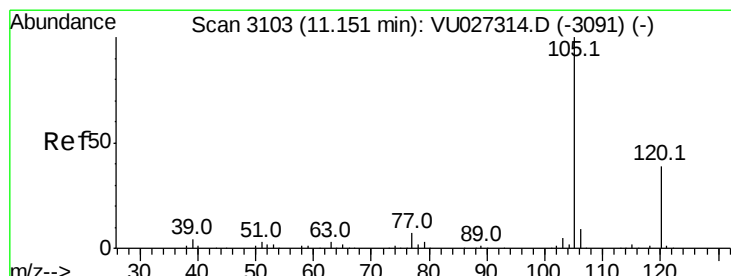
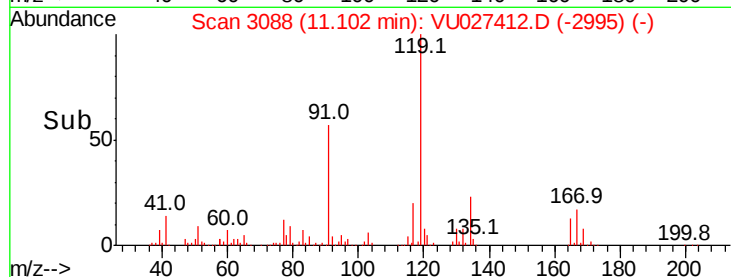
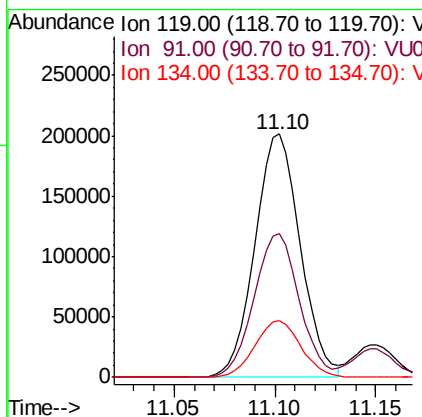
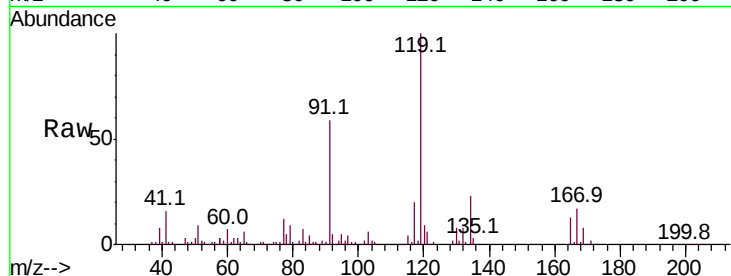
#83
tert-Butylbenzene
Concen: 48.328 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	316580		
91	58.8	30.3	91.0	
134	23.5	11.5	34.4	

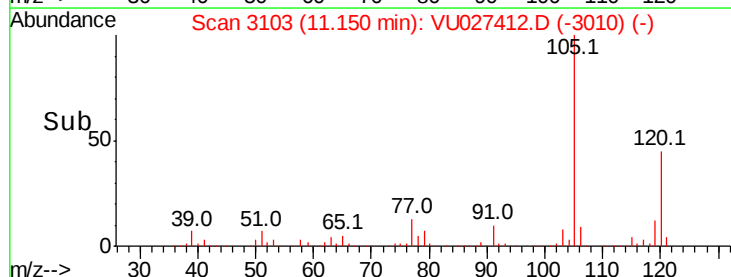
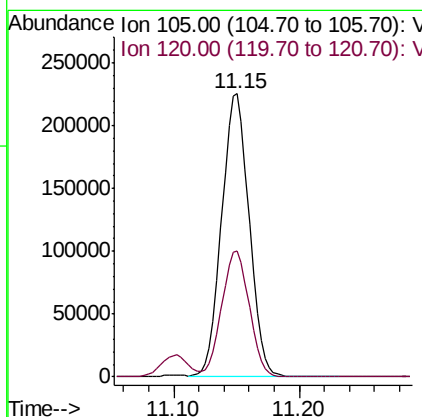
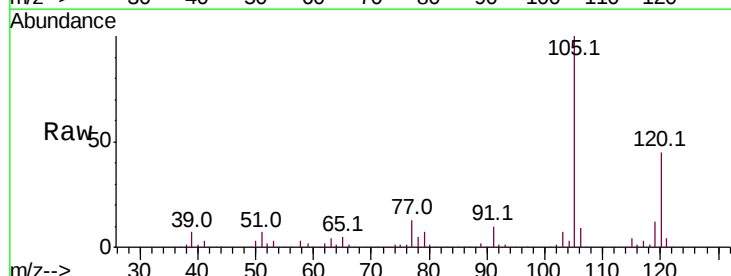
Manual Integrations
APPROVED

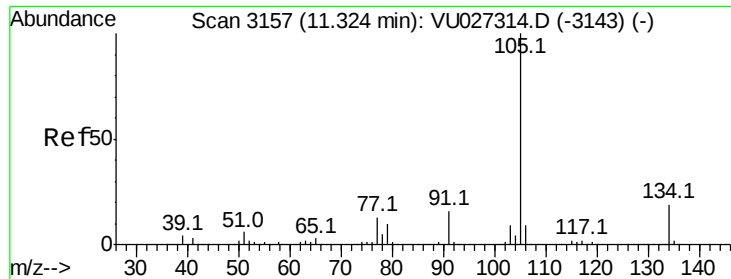
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#84
1,2,4-Trimethylbenzene
Concen: 49.446 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	342255		
120	44.7	22.1	66.5	





#85

sec-Butylbenzene

Concen: 49.410 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 407815

Ion Ratio Lower Upper

105 100

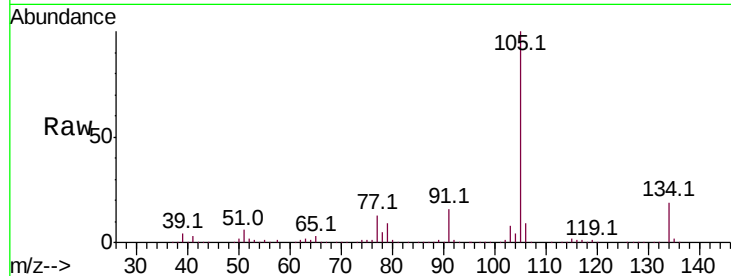
134 18.9 9.6 28.6

Manual Integrations

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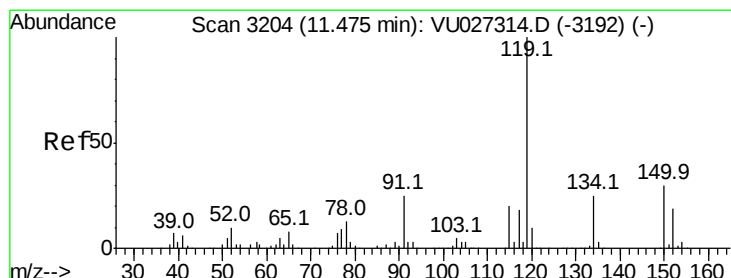
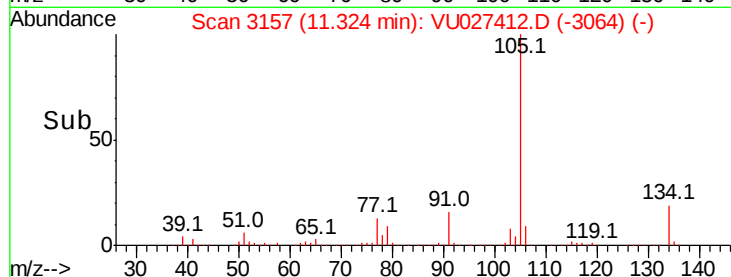
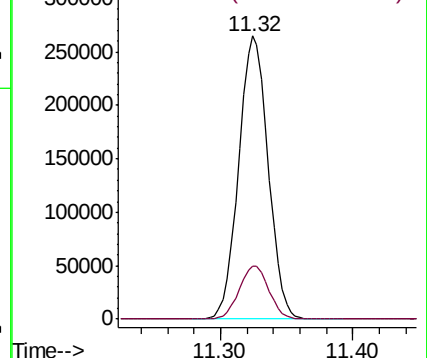
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.486 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

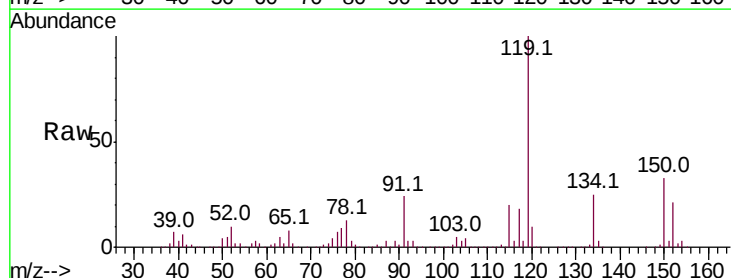
Tgt Ion:119 Resp: 356782

Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

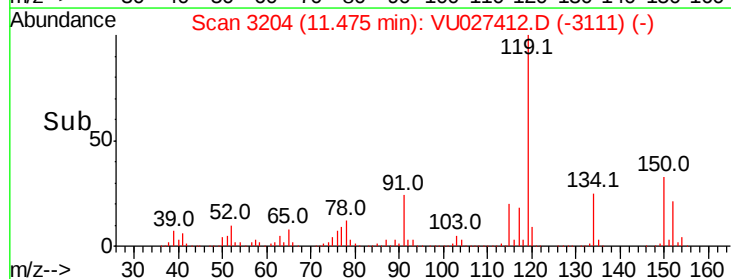
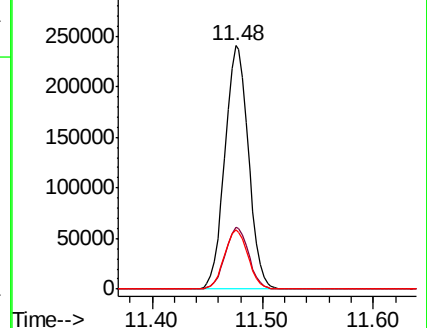
91 24.2 12.2 36.4

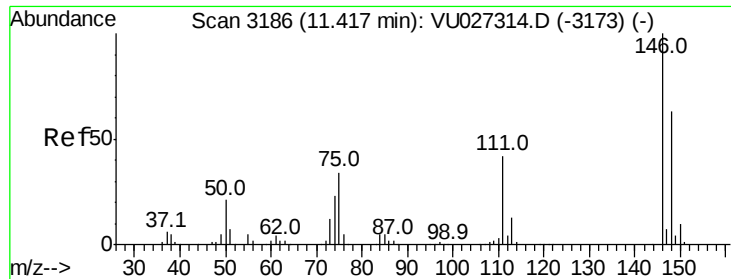


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 47.614 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

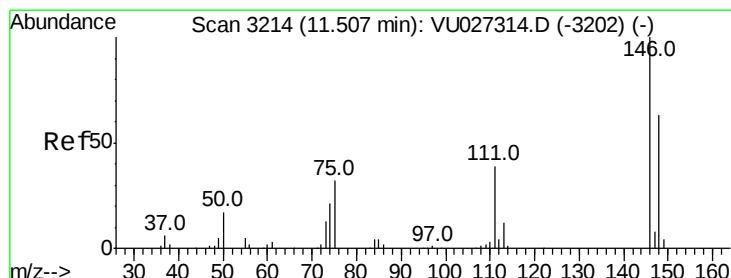
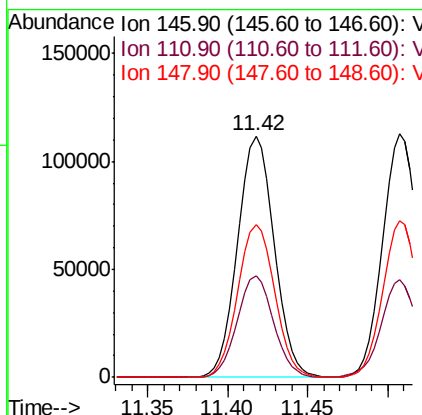
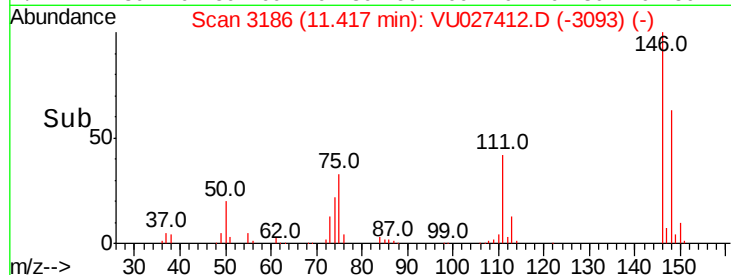
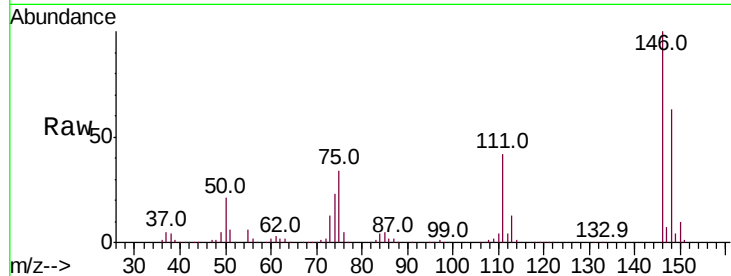
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	174394
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.8	62.5
148	63.9	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.567 ug/l

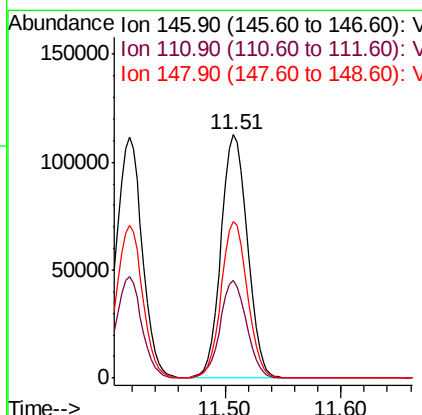
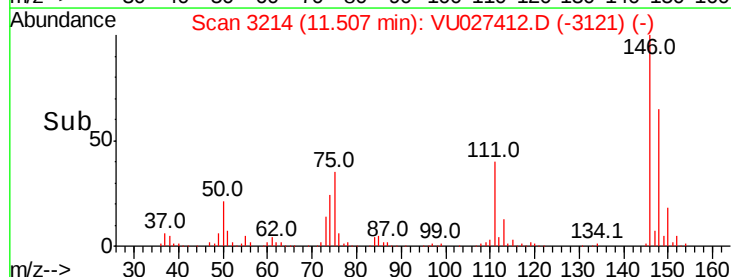
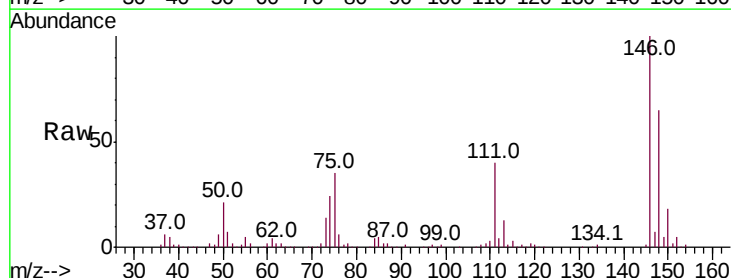
RT: 11.51 min Scan# 3214

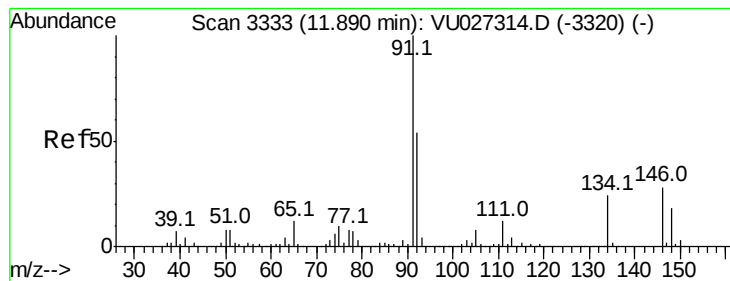
Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Tgt Ion:	146	Resp:	178034
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.4	61.2
148	63.8	31.9	95.5





#89

n-Butylbenzene

Concen: 47.711 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Instrument :

MSVOA_U

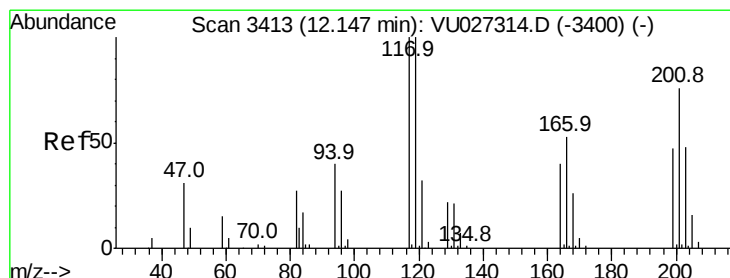
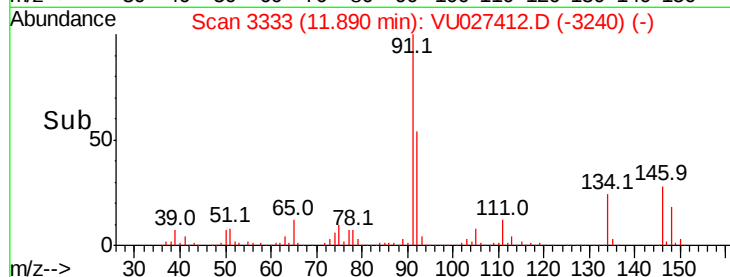
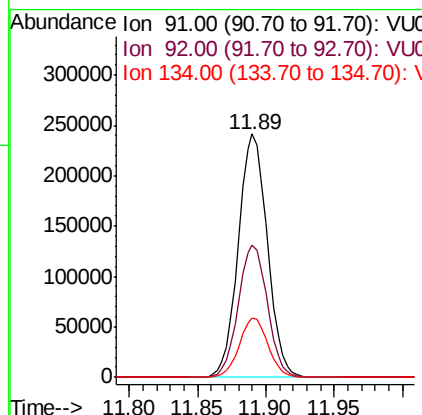
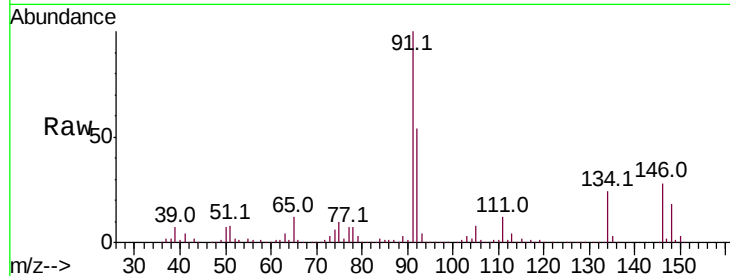
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	357101
Ion Ratio	Lower	Upper	
91	100		
92	54.4	27.0	81.0
134	23.9	11.7	35.1

Manual Integrations
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#90

Hexachloroethane

Concen: 44.044 ug/l

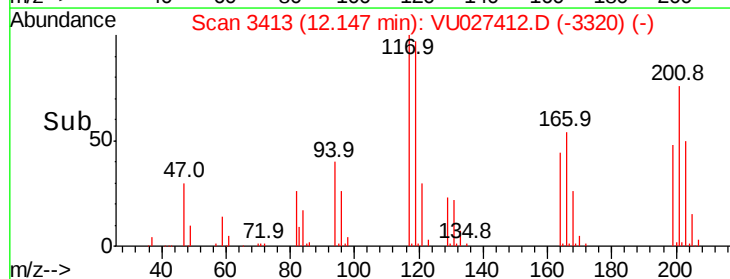
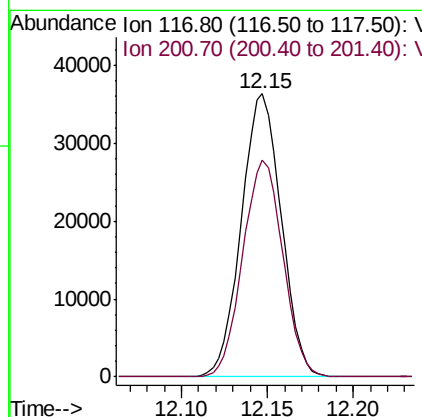
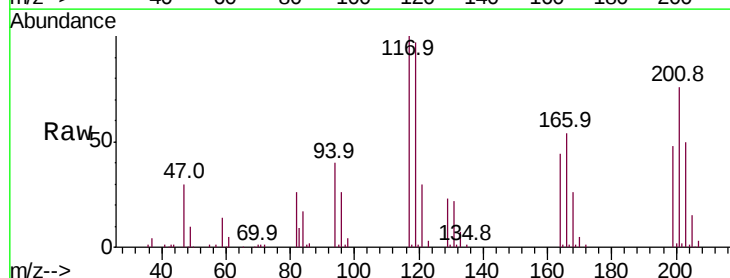
RT: 12.15 min Scan# 3413

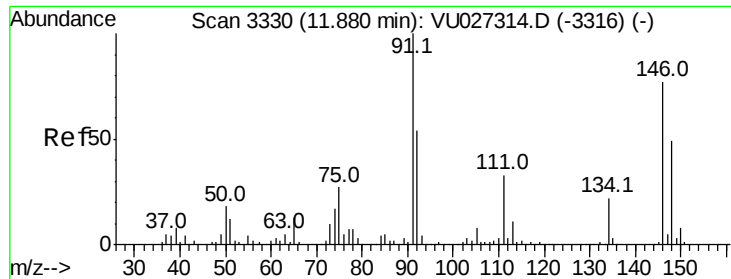
Delta R.T. -0.00 min

Lab File: VU027412.D

Acq: 04 Oct 2018 16:45

Tgt Ion:	117	Resp:	58670
Ion Ratio	Lower	Upper	
117	100		
201	76.7	37.9	113.6





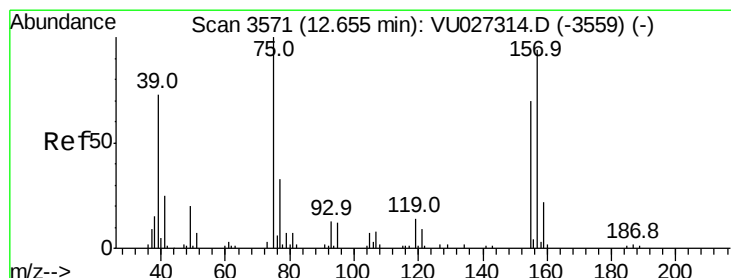
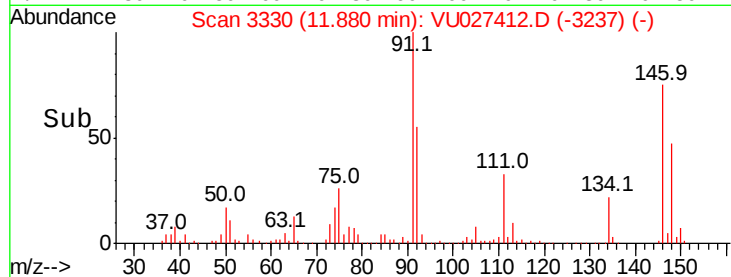
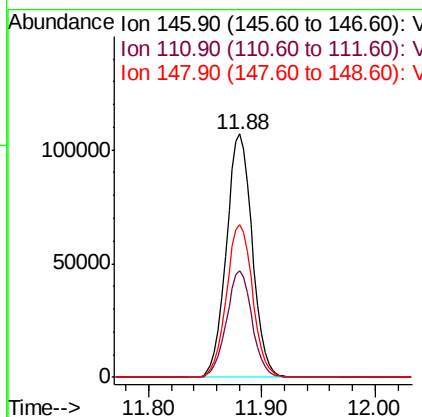
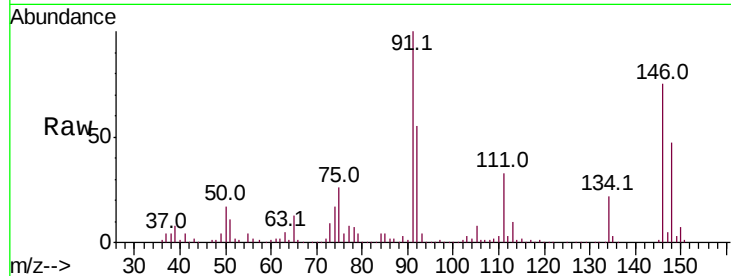
#91
 1,2-Dichlorobenzene
 Concen: 47.764 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027412.D
 Acq: 04 Oct 2018 16:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	170287
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.8	65.4
148	63.5	31.9	95.5

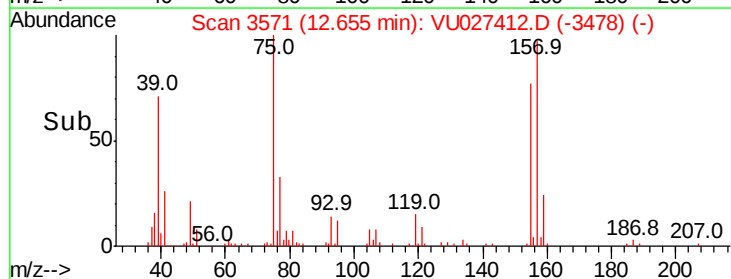
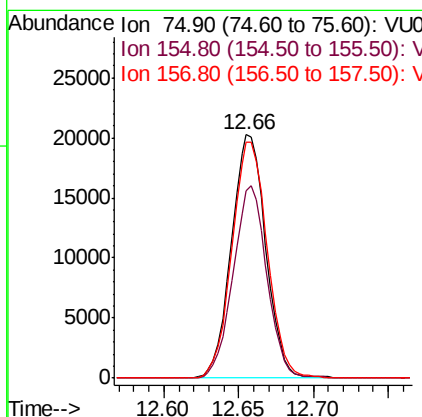
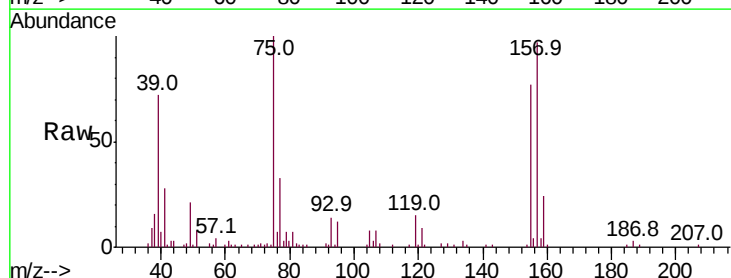
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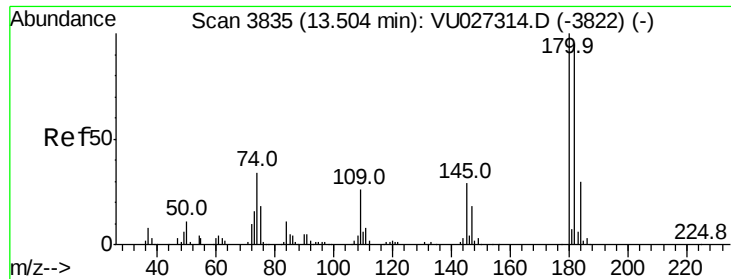
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.705 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027412.D
 Acq: 04 Oct 2018 16:45

Tgt Ion:	75	Resp:	32379
Ion Ratio	Lower	Upper	
75	100		
155	77.6	35.9	107.8
157	99.5	46.9	140.6





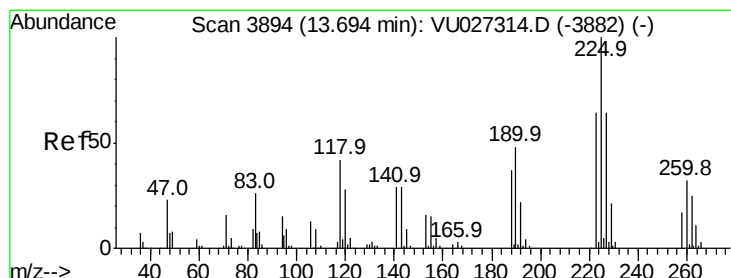
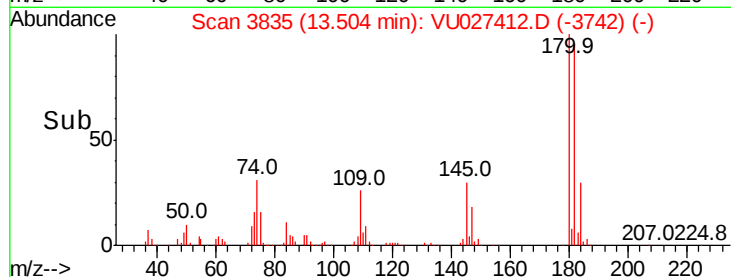
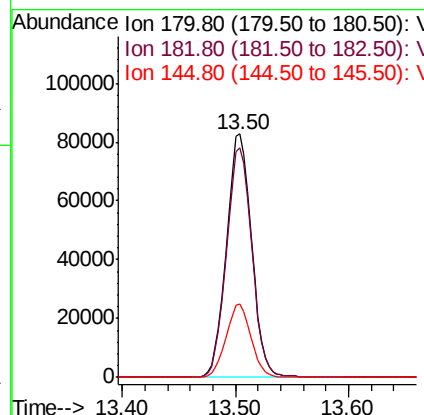
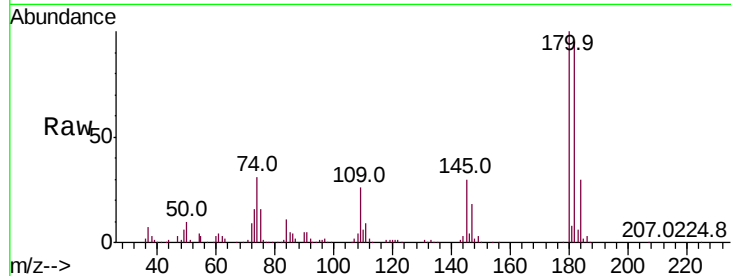
#93
 1,2,4-Trichlorobenzene
 Concen: 55.834 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027412.D
 Acq: 04 Oct 2018 16:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.4	142.3	
145	29.7	14.6	44.0	

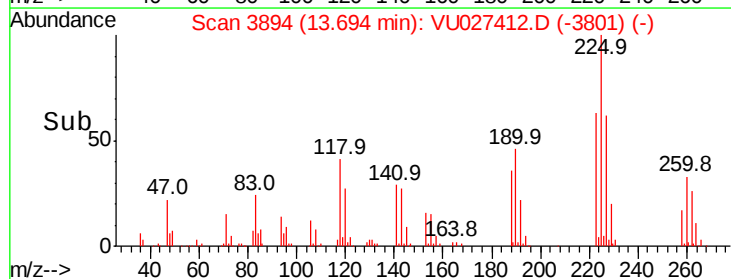
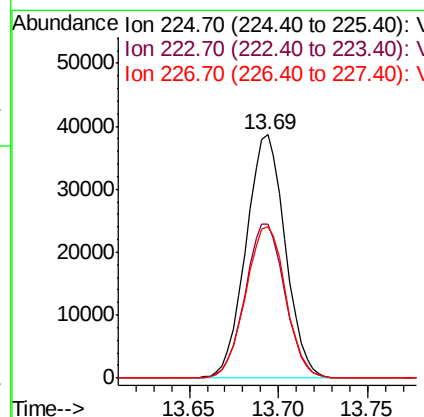
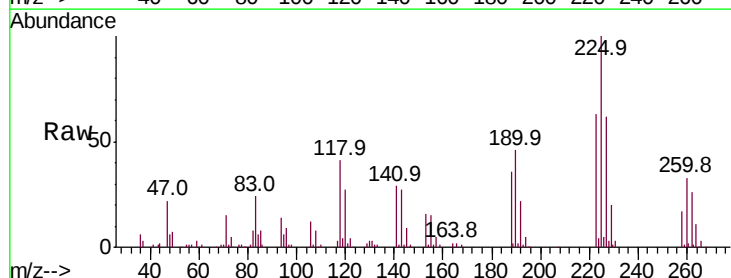
Manual Integrations
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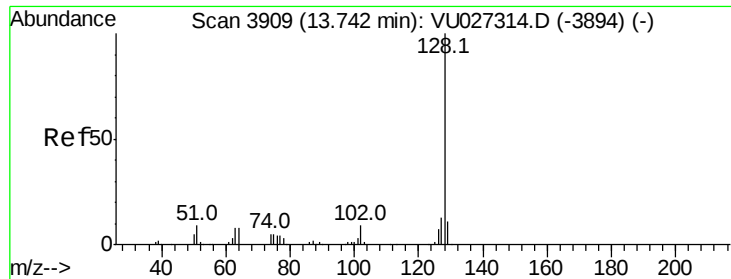
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#94
 Hexachlorobutadiene
 Concen: 50.910 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027412.D
 Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.2	31.8	95.3	
227	63.5	31.9	95.7	





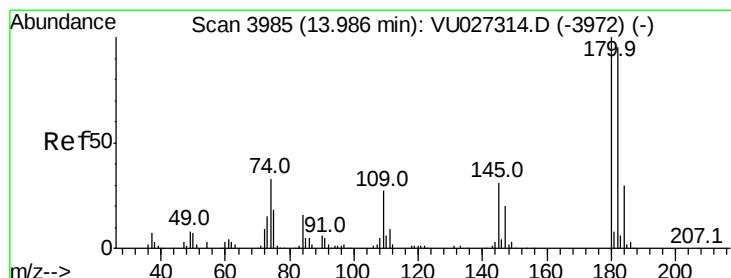
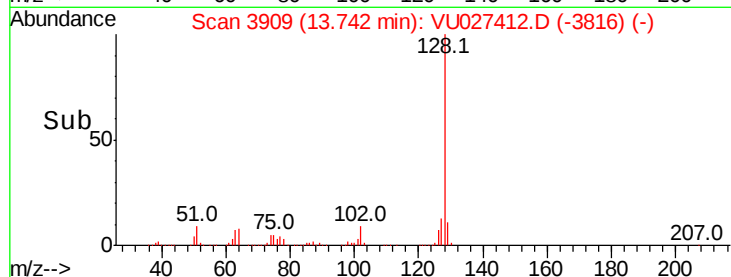
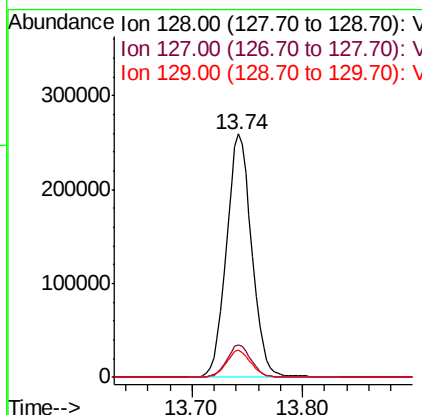
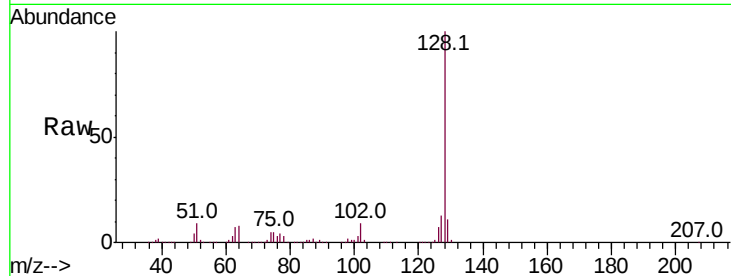
#95
Naphthalene
Concen: 47.586 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.7	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 53.556 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU027412.D
Acq: 04 Oct 2018 16:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.4	142.2
145	30.8	15.9	47.7

