

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100418\
 Data File : VU027392.D
 Acq On : 04 Oct 2018 08:45
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:52:28 PM

Quant Time: Oct 05 03:43:29 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	4.98	168	115700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	192100	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	178074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94904	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	88022	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	
35) Dibromofluoromethane	4.88	113	62676	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
50) Toluene-d8	7.57	98	241300	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
62) 4-Bromofluorobenzene	10.31	95	89317	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.21	85	84610	50.724	ug/l	99
3) Chloromethane	1.33	50	97632	43.232	ug/l	100
4) Vinyl Chloride	1.40	62	101150	47.648	ug/l	100
5) Bromomethane	1.61	94	49978	54.408	ug/l	99
6) Chloroethane	1.69	64	56870	44.581	ug/l	99
7) Trichlorofluoromethane	1.88	101	107731	50.015	ug/l	99
8) Diethyl Ether	2.11	74	46296	46.659	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	59803	47.808	ug/l	99
10) Methyl Iodide	2.41	142	53144	48.792	ug/l	98
11) Tert butyl alcohol	2.83	59	92196	226.612	ug/l	98
12) 1,1-Dichloroethene	2.28	96	55059	45.051	ug/l	97
13) Acrolein	2.20	56	86351	252.943	ug/l	99
14) Allyl chloride	2.59	41	137239	47.289	ug/l	99
15) Acrylonitrile	2.94	53	247038	233.295	ug/l	99
16) Acetone	2.32	43	241402	211.507	ug/l	99
17) Carbon Disulfide	2.48	76	194282	44.077	ug/l	100
18) Methyl Acetate	2.62	43	128855	49.489	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	233812	47.747	ug/l	99
20) Methylene Chloride	2.70	84	74356	46.770	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	64782	47.214	ug/l	98
22) Diisopropyl ether	3.57	45	290403	49.232	ug/l	97
23) Vinyl Acetate	3.53	43	1239839	240.681	ug/l	100
24) 1,1-Dichloroethane	3.45	63	147525	48.650	ug/l	99
25) 2-Butanone	4.26	43	356486	229.045	ug/l	99
26) 2,2-Dichloropropane	4.23	77	117324	47.086	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	73713	46.977	ug/l	97
28) Bromochloromethane	4.55	49	75005	51.268	ug/l	98
29) Tetrahydrofuran	4.64	42	227486	231.924	ug/l	99
30) Chloroform	4.67	83	133117	49.409	ug/l	98
31) Cyclohexane	5.00	56	138304	44.609	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	109731	48.360	ug/l	99
36) 1,1-Dichloropropene	5.14	75	101460	48.644	ug/l	99
37) Ethyl Acetate	4.38	43	129500	48.040	ug/l	99
38) Carbon Tetrachloride	5.13	117	93365	49.554	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	118930	48.778	ug/l	99
40) Benzene	5.39	78	303714	49.989	ug/l	99
41) Methacrylonitrile	4.54	41	74149	48.666	ug/l	98
42) 1,2-Dichloroethane	5.40	62	113721	50.426	ug/l	100
43) Isopropyl Acetate	5.55	43	206922	49.424	ug/l	99
44) Trichloroethene	6.19	130	65664	48.469	ug/l	97
45) 1,2-Dichloropropane	6.43	63	87201	49.761	ug/l	98
46) Dibromomethane	6.56	93	50764	51.291	ug/l	97
47) Bromodichloromethane	6.76	83	102613	49.965	ug/l	99
48) Methyl methacrylate	6.62	41	104396	50.143	ug/l	99
49) 1,4-Dioxane	6.61	88	38009	1061.059	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	674983	248.108	ug/l	99
52) Toluene	7.64	92	177638	49.397	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	121060	50.276	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	130956	50.590	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	70129	49.186	ug/l	99
56) Ethyl methacrylate	8.02	69	119118	43.916	ug/l	97
57) 1,3-Dichloropropane	8.24	76	136554	49.335	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	336383	225.186	ug/l	100
59) 2-Hexanone	8.36	43	522335	247.508	ug/l	100
60) Dibromochloromethane	8.48	129	72948	51.012	ug/l	100
61) 1,2-Dibromoethane	8.59	107	73737	48.641	ug/l	100
64) Tetrachloroethene	8.23	164	54636	49.286	ug/l	98
65) Chlorobenzene	9.12	112	185856	49.584	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	65547	50.655	ug/l	100
67) Ethyl Benzene	9.25	91	336607	50.686	ug/l	99
68) m/p-Xylenes	9.38	106	253022	104.160	ug/l	100
69) o-Xylene	9.78	106	119949	51.962	ug/l	99
70) Styrene	9.79	104	205843	47.809	ug/l	99
71) Bromoform	9.96	173	52613	50.537	ug/l #	99
73) Isopropylbenzene	10.17	105	330179	47.902	ug/l	100
74) N-amyl acetate	10.02	43	184565	46.773	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	123097	45.482	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	105690m	42.961	ug/l	
77) Bromobenzene	10.45	156	75684	47.246	ug/l	99
78) n-propylbenzene	10.59	91	415225	50.133	ug/l	100
79) 2-Chlorotoluene	10.66	91	237623	47.516	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	283613	50.539	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	42214m	44.908	ug/l	
82) 4-Chlorotoluene	10.77	91	281067	49.527	ug/l	99
83) tert-Butylbenzene	11.10	119	265352	48.912	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	290914	50.750	ug/l	100
85) sec-Butylbenzene	11.32	105	346826	50.739	ug/l	99
86) p-Isopropyltoluene	11.48	119	300553	51.354	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	143776	47.400	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	146558	47.283	ug/l	98
89) n-Butylbenzene	11.89	91	299546	48.300	ug/l	100
90) Hexachloroethane	12.15	117	52792	47.855	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	140624	47.628	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27736	46.240	ug/l	100

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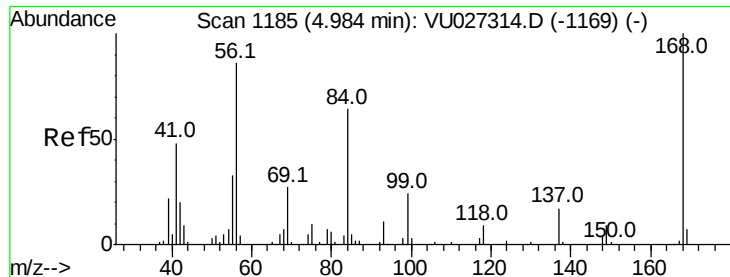
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	103498	54.174	ug/l	100
94) Hexachlorobutadiene	13.69	225	51120	52.960	ug/l	99
95) Naphthalene	13.74	128	333118	46.546	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	105308	52.908	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 115700

Ion Ratio Lower Upper

168 100

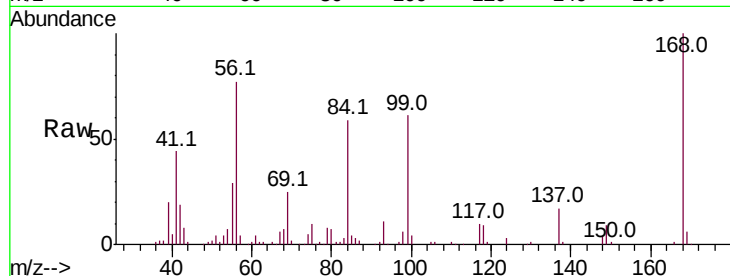
99 60.2 50.8 76.2

Manual Integrations

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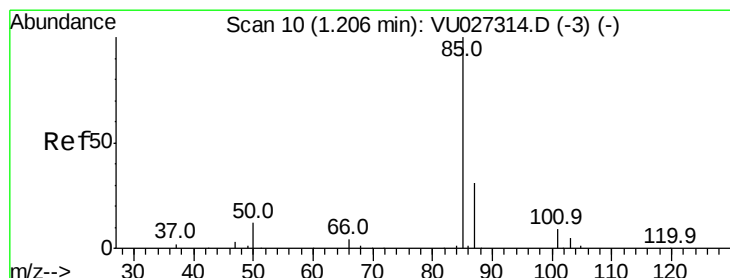
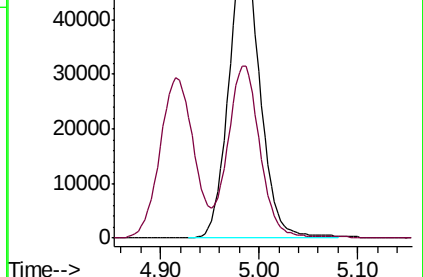
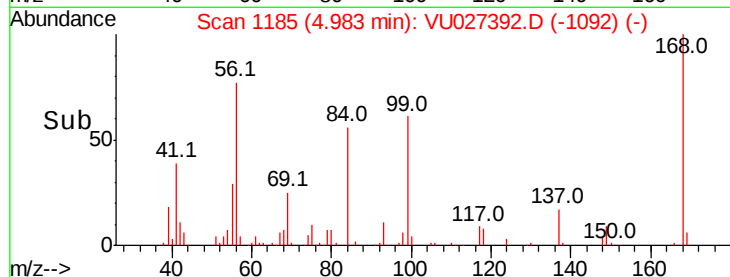


Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

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

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 50.724 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027392.D

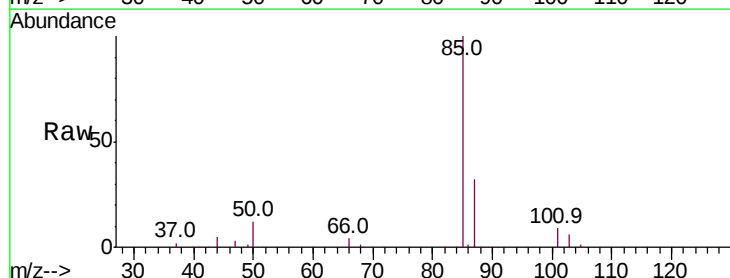
Acq: 04 Oct 2018 08:45

Tgt Ion: 85 Resp: 84610

Ion Ratio Lower Upper

85 100

87 32.0 15.7 47.1

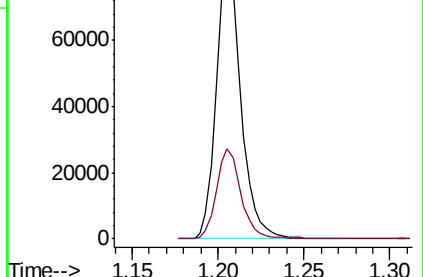
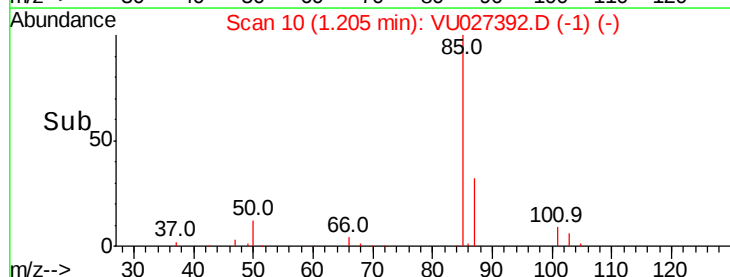


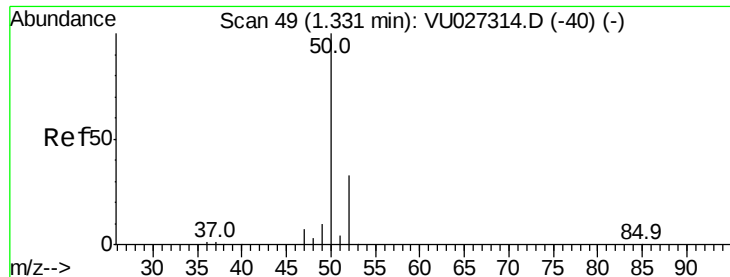
Abundance Ion 84.90 (84.60 to 85.60): VU027314.D (-3) (-)

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

1.21

Time-->





#3

Chloromethane

Concen: 43.232 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 97632

Ion Ratio Lower Upper

50 100

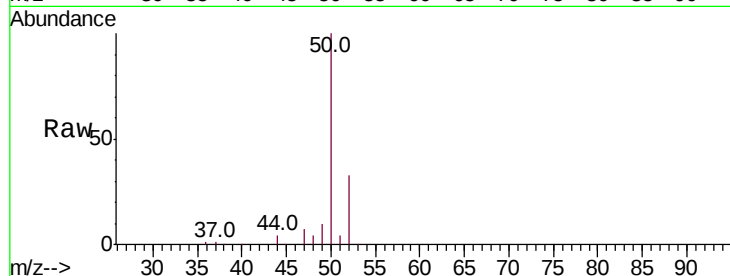
52 33.0 26.5 39.7

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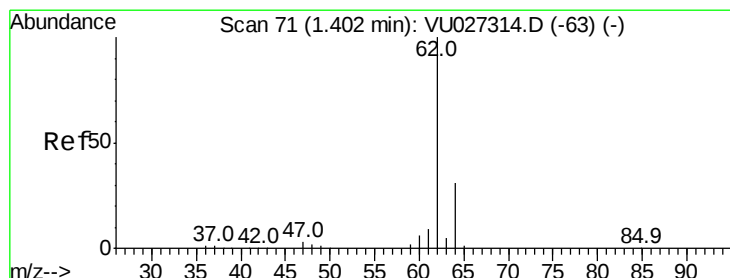
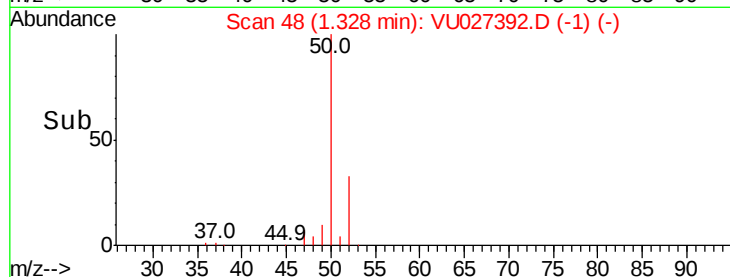
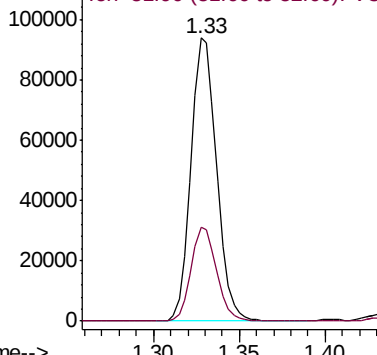
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 47.648 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027392.D

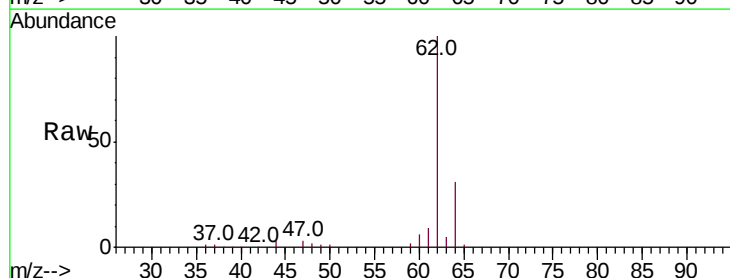
Acq: 04 Oct 2018 08:45

Tgt Ion: 62 Resp: 101150

Ion Ratio Lower Upper

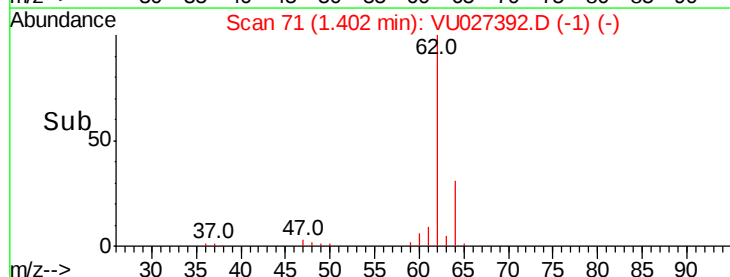
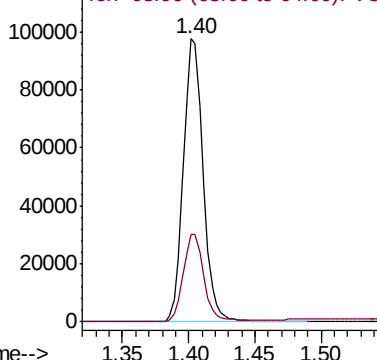
62 100

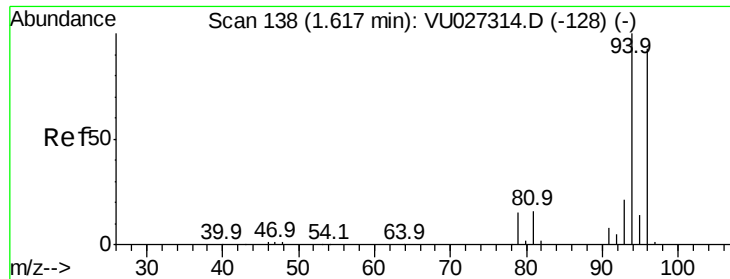
64 31.0 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 54.408 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 49978

Ion Ratio Lower Upper

94 100

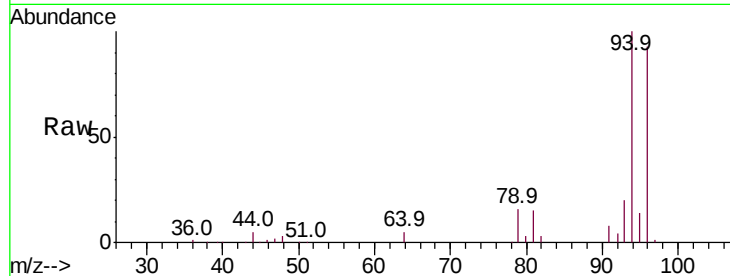
96 92.7 74.6 111.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

40000

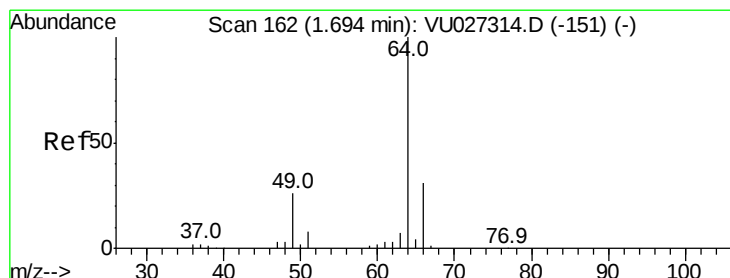
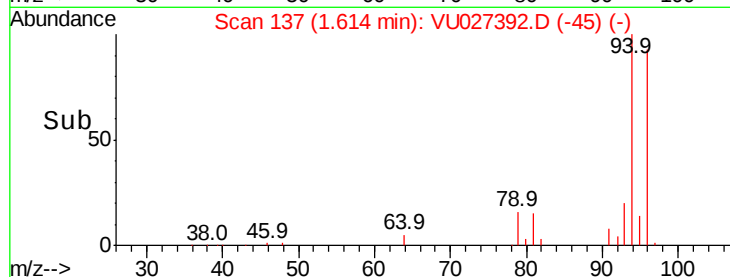
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 44.581 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027392.D

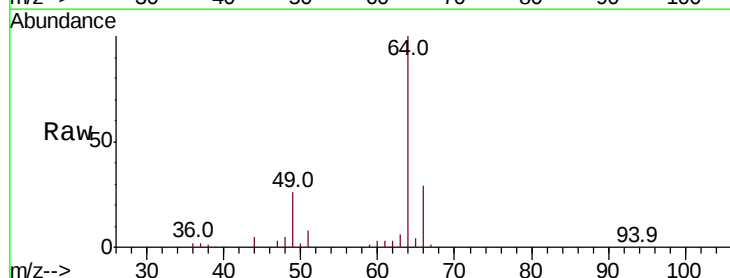
Acq: 04 Oct 2018 08:45

Tgt Ion: 64 Resp: 56870

Ion Ratio Lower Upper

64 100

66 30.1 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

50000

40000

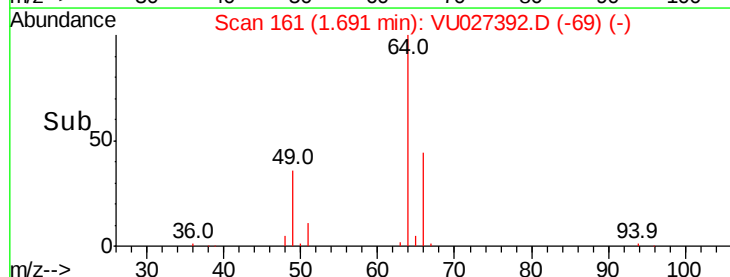
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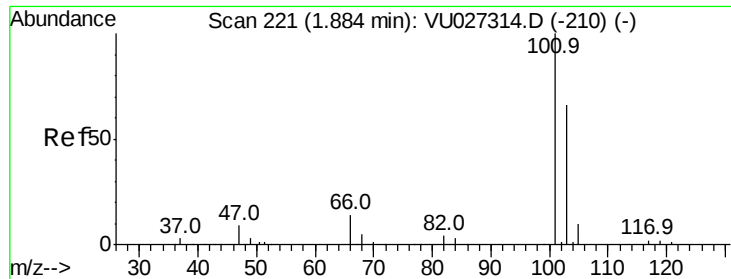
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Time-->





#7

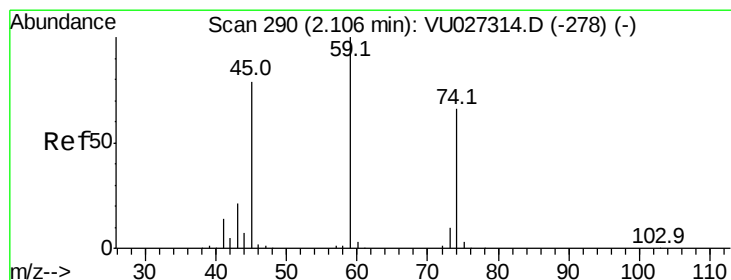
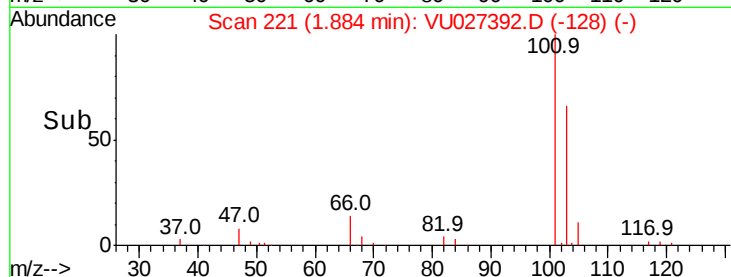
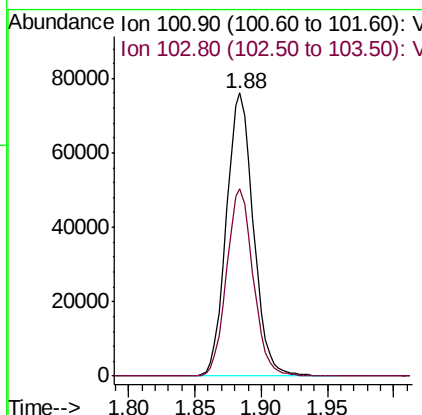
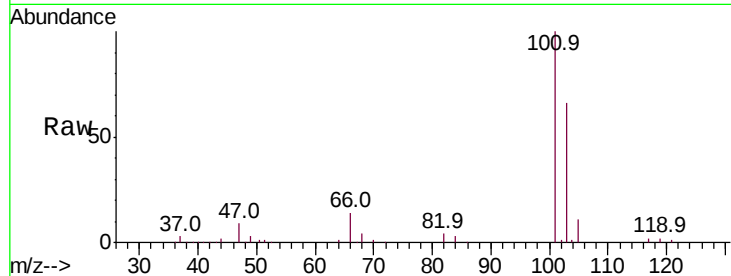
Trichlorofluoromethane
Concen: 50.015 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.6	78.8

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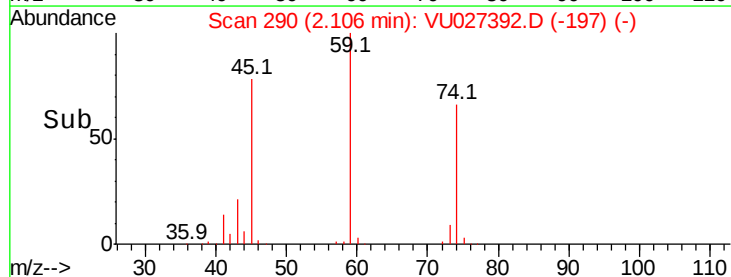
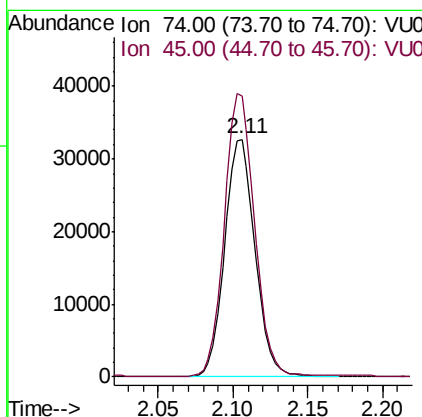
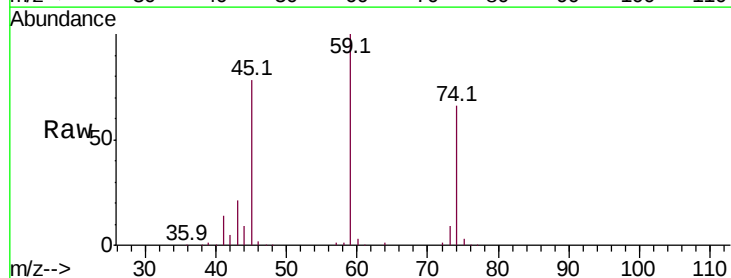
MMDadoda
10/8/2018 1:52:28 PM

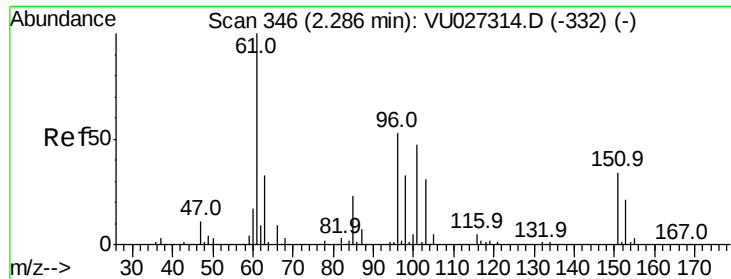


#8

Diethyl Ether
Concen: 46.659 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.0	60.4	181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.808 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Instrument :

MSVOA_U

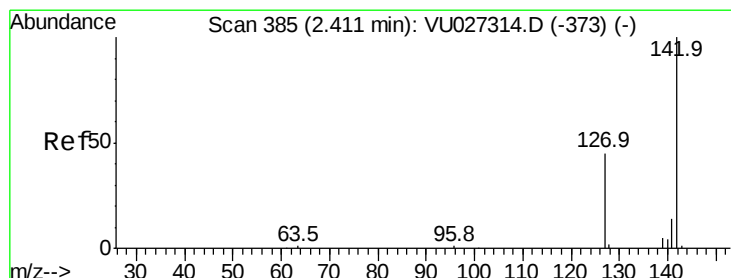
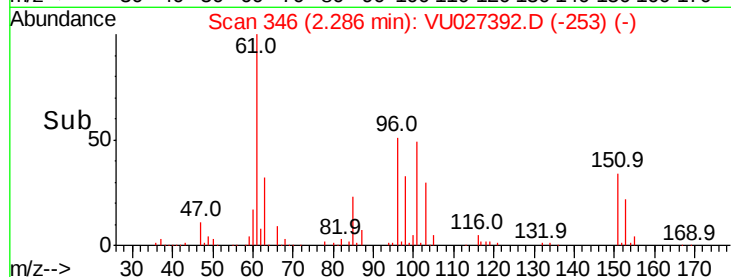
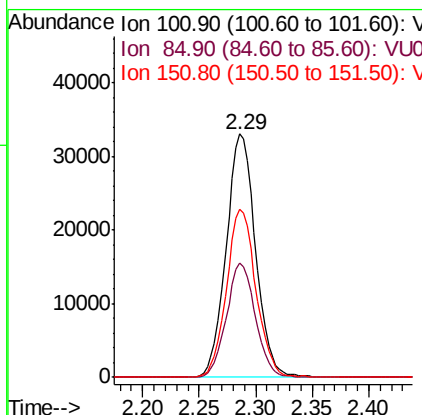
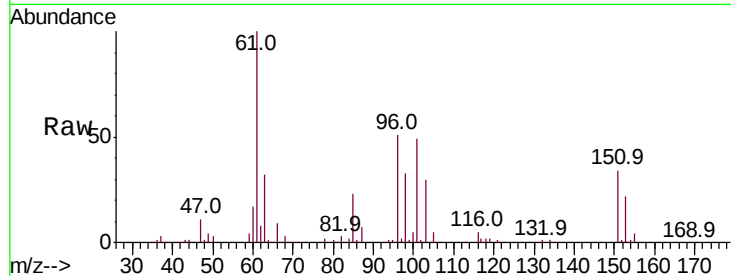
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	59803
Ion Ratio	Lower	Upper	
101	100		
85	46.0	37.5	56.3
151	68.9	55.6	83.4

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#10

Methyl Iodide

Concen: 48.792 ug/l

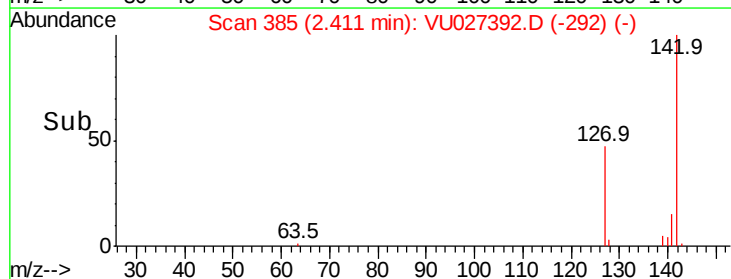
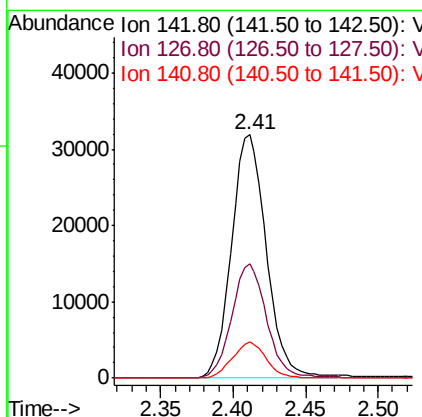
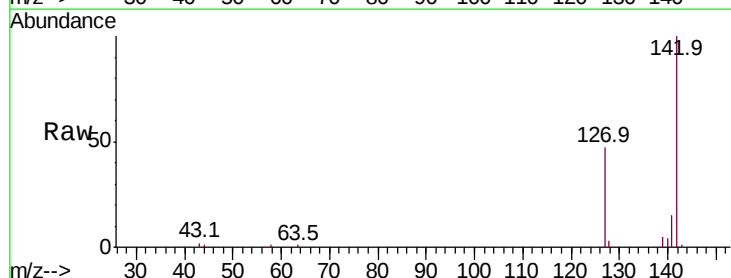
RT: 2.41 min Scan# 385

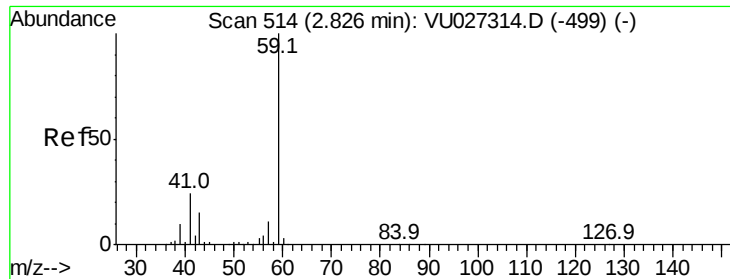
Delta R.T. 0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Tgt Ion:	142	Resp:	53144
Ion Ratio	Lower	Upper	
142	100		
127	47.1	36.3	54.5
141	14.6	11.6	17.4





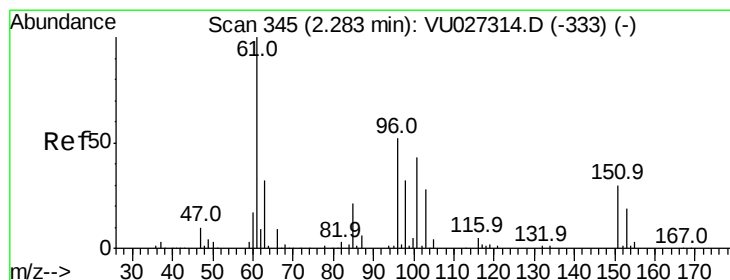
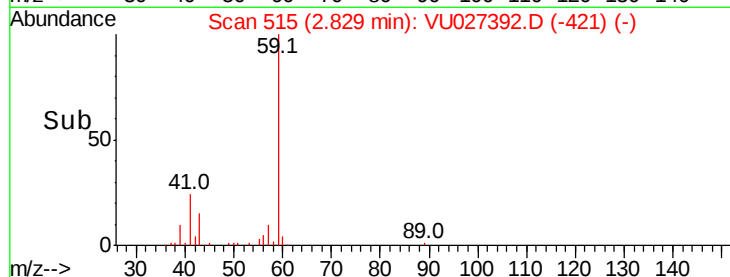
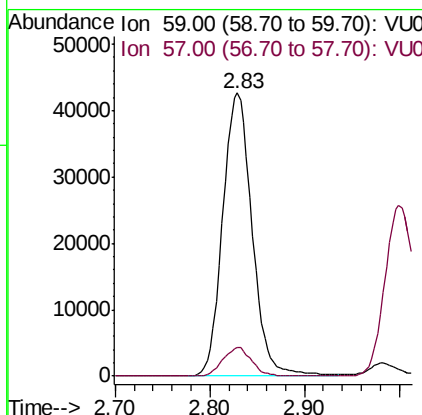
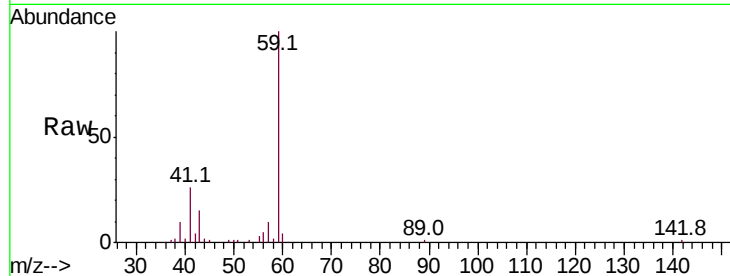
#11
Tert butyl alcohol
Concen: 226.612 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.4	12.6

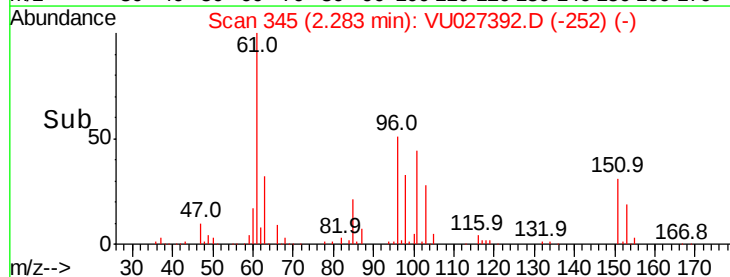
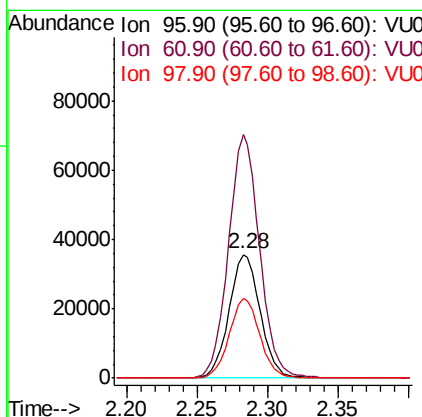
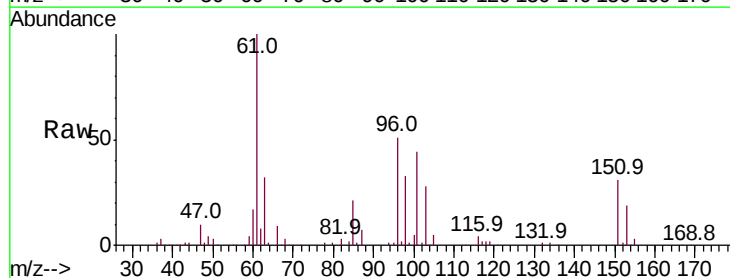
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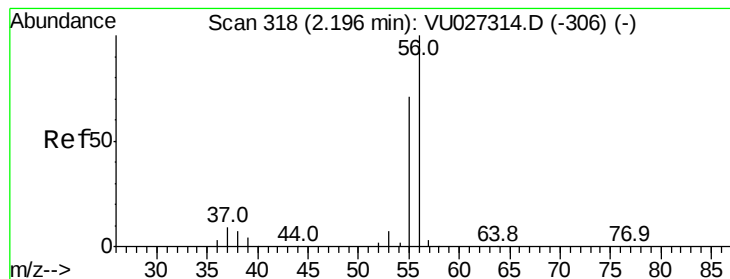
MMDadoda
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#12
1,1-Dichloroethene
Concen: 45.051 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.6	153.0	229.6
98	64.0	49.3	73.9





#13

Acrolein

Concen: 252.943 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 86351

Ion Ratio Lower Upper

56 100

55 71.3

57.7

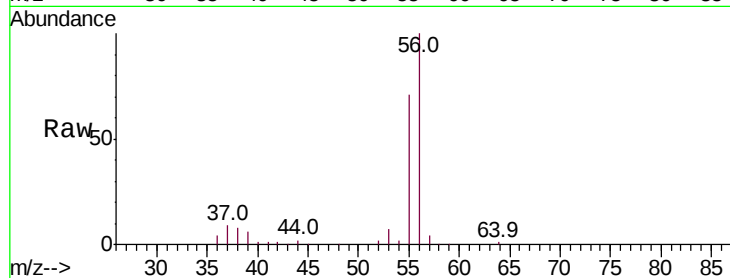
86.5

Manual Integrations

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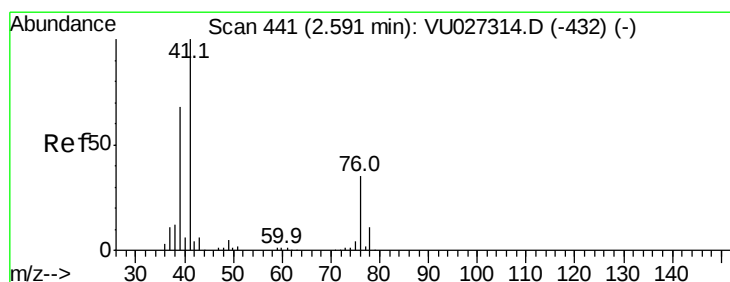
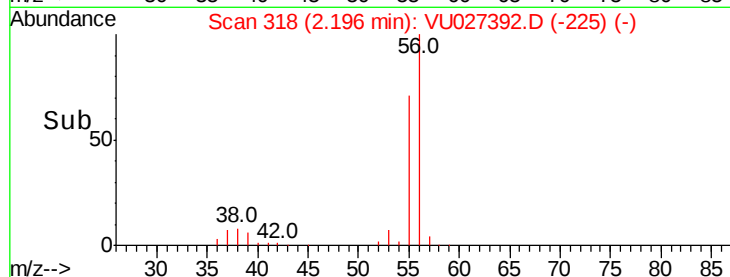
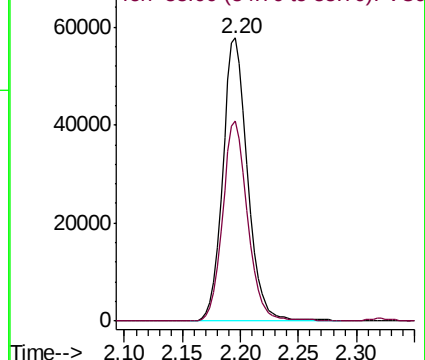
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 47.289 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Tgt Ion: 41 Resp: 137239

Ion Ratio Lower Upper

41 100

39 65.3

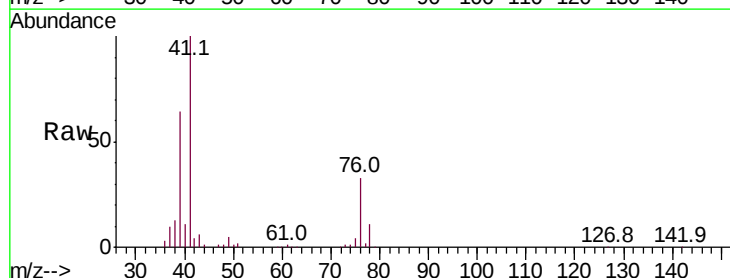
51.8

77.8

76 31.8

25.9

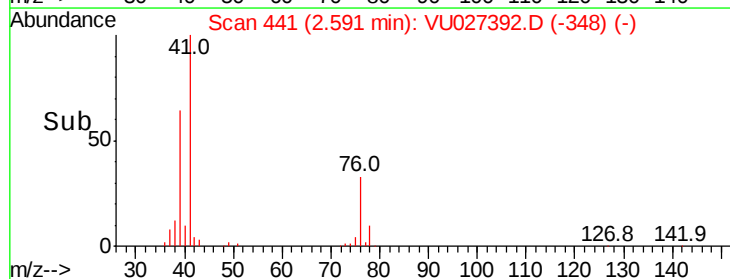
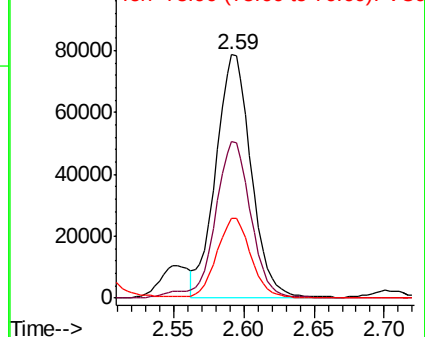
38.9

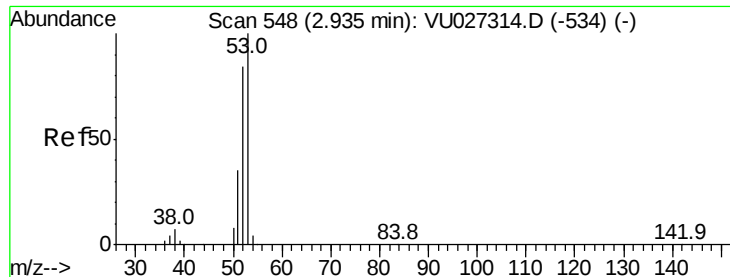


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 233.295 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Instrument :

MSVOA_U

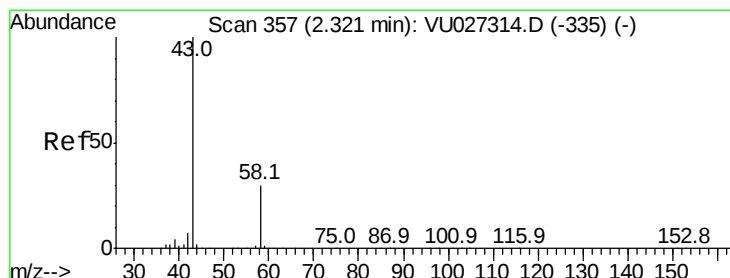
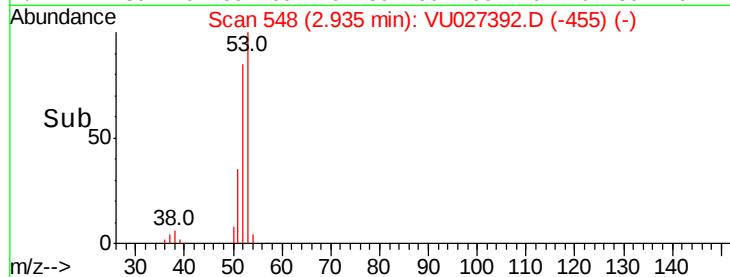
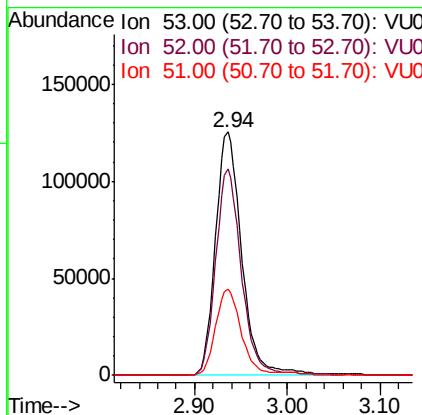
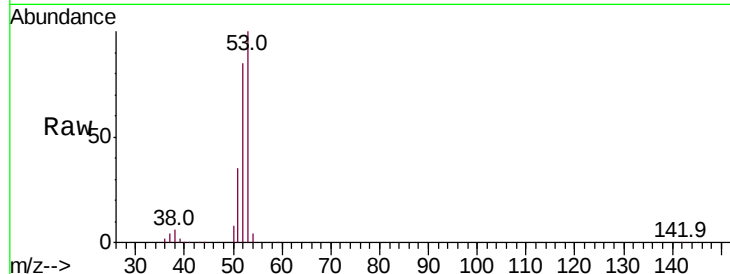
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	247038
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.5	99.7
51	35.8	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 211.507 ug/l

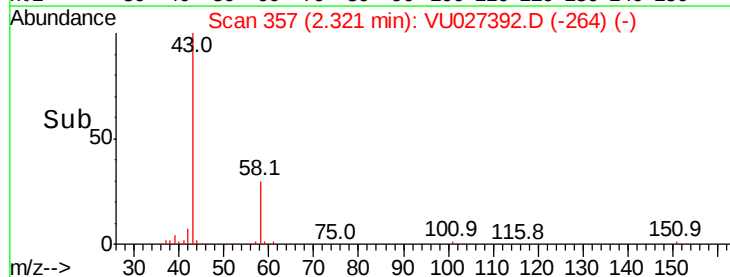
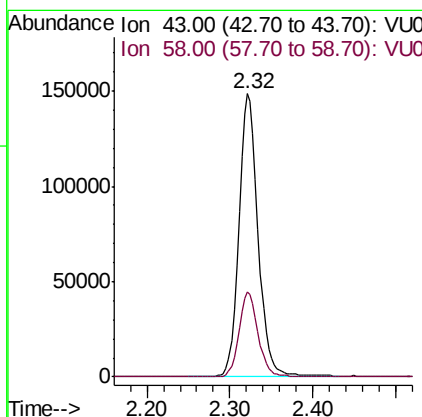
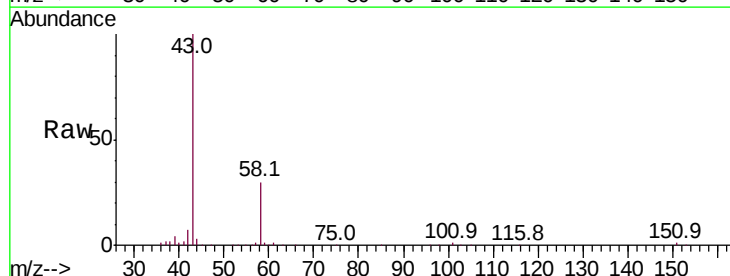
RT: 2.32 min Scan# 357

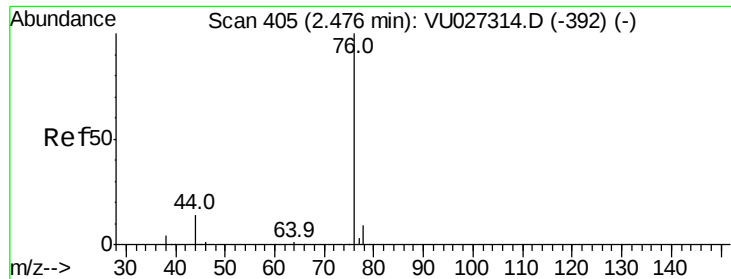
Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Tgt Ion:	43	Resp:	241402
Ion Ratio	Lower	Upper	
43	100		
58	30.0	24.2	36.4





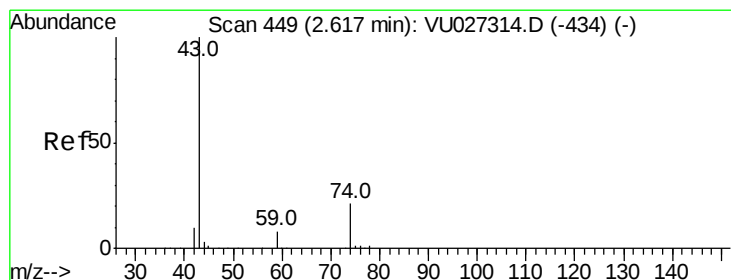
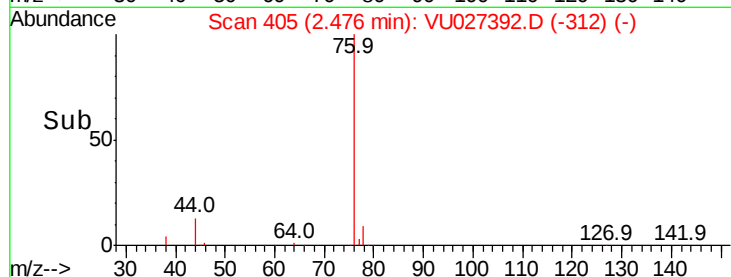
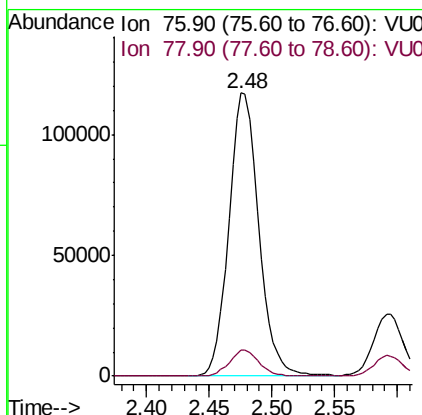
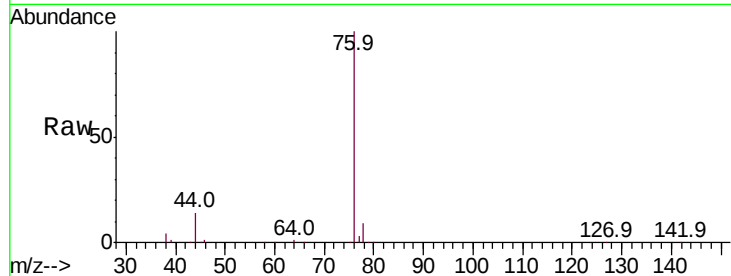
#17
Carbon Disulfide
Concen: 44.077 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

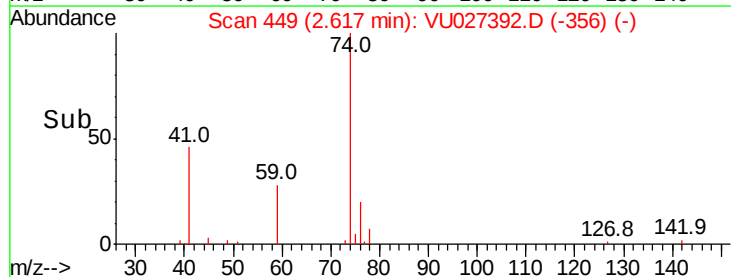
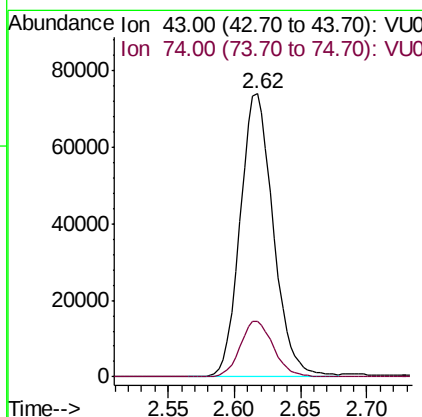
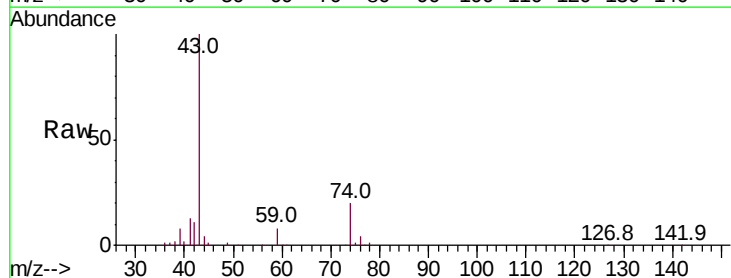
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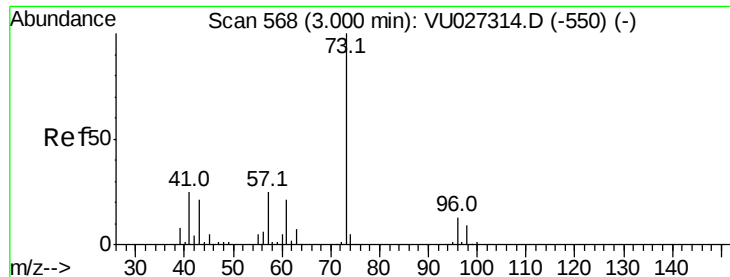
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#18
Methyl Acetate
Concen: 49.489 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	16.5	24.7





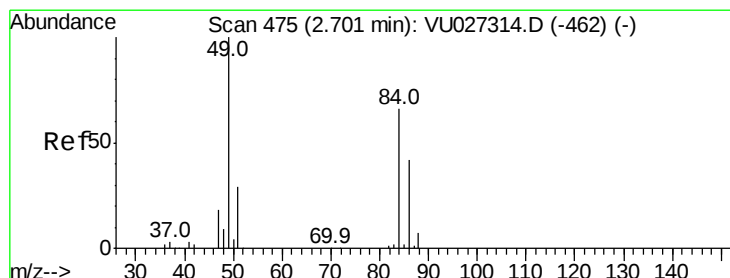
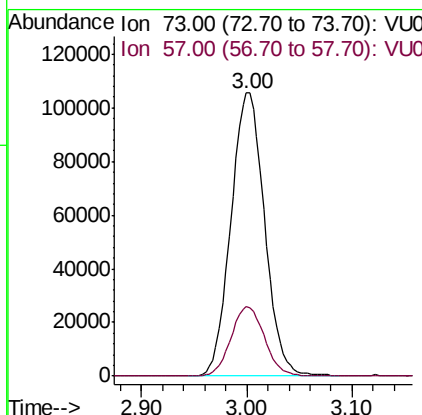
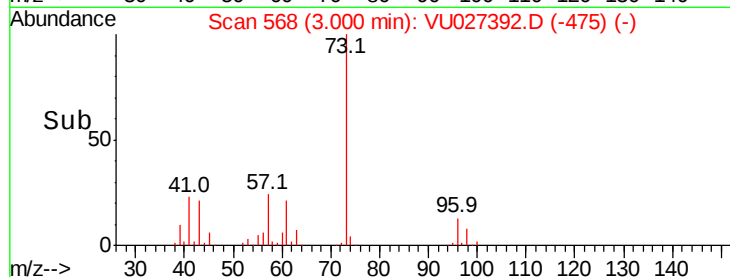
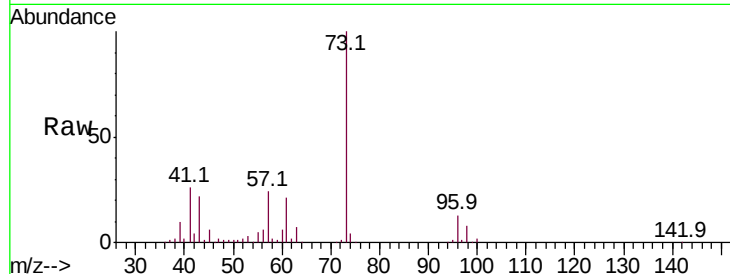
#19
Methyl tert-butyl Ether
Concen: 47.747 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 233812
Ion Ratio Lower Upper
73 100
57 24.4 20.0 30.0

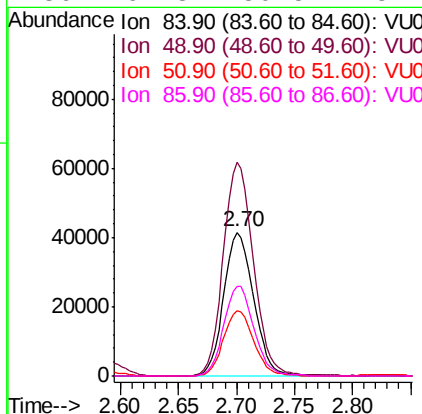
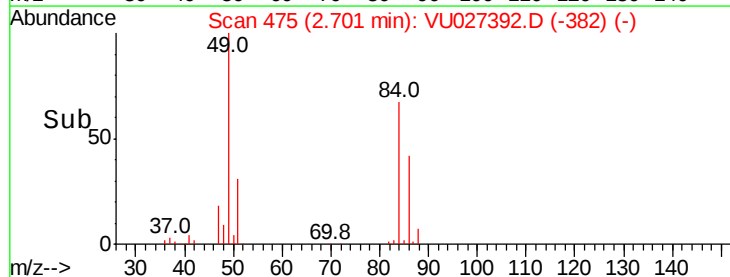
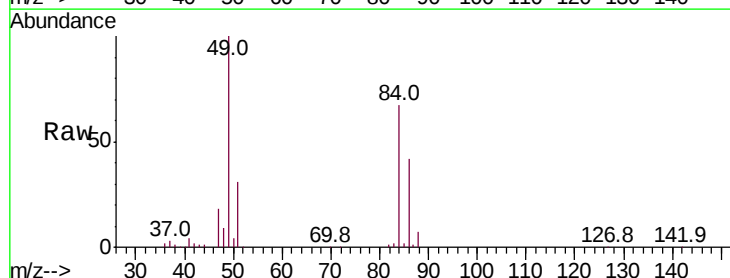
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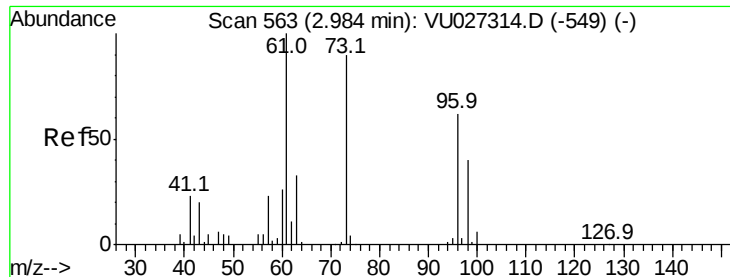
MMDadoda
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#20
Methylene Chloride
Concen: 46.770 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion: 84 Resp: 74356
Ion Ratio Lower Upper
84 100
49 148.8 120.5 180.7
51 45.7 35.1 52.7
86 62.8 50.5 75.7





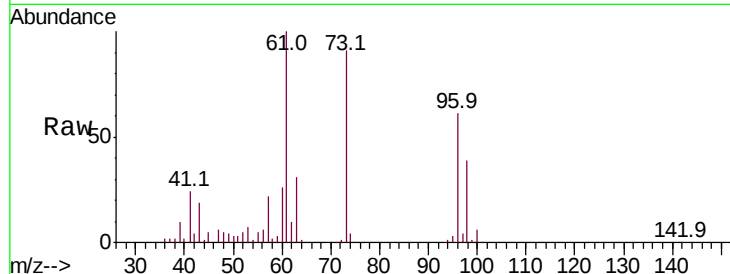
#21
trans-1,2-Dichloroethene
Concen: 47.214 ug/l
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.7	129.4	194.2
98	63.6	51.2	76.8

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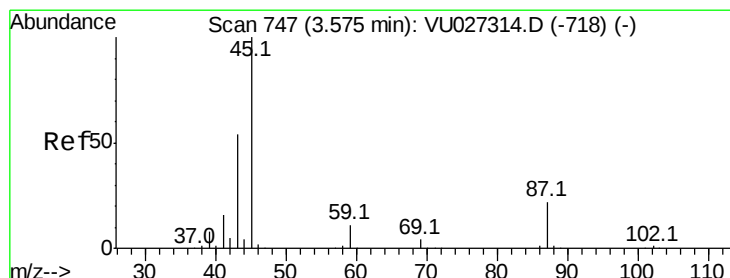
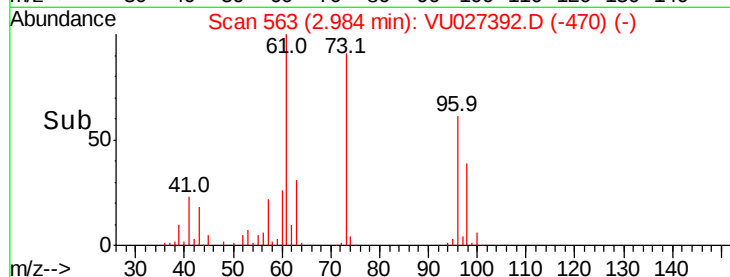
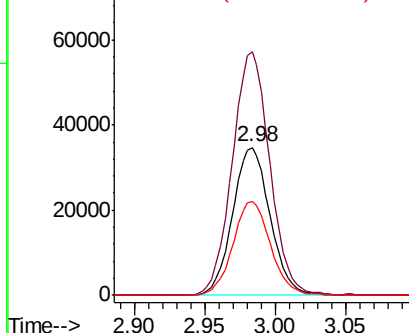


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22
Diisopropyl ether
Concen: 49.232 ug/l
RT: 3.57 min Scan# 746
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	43.4	65.2
87	21.8	17.5	26.3
59	10.7	8.6	13.0

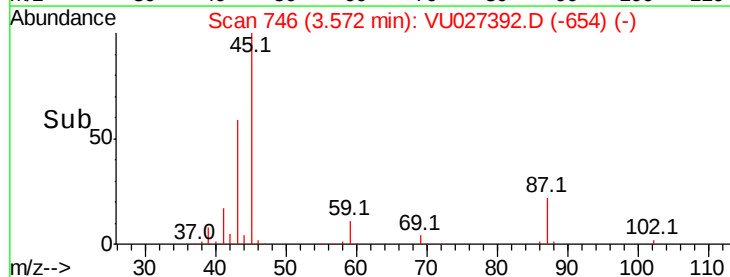
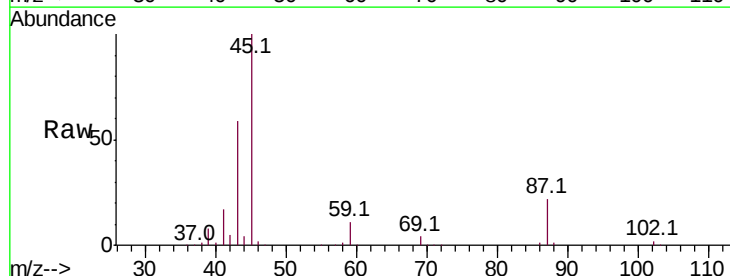
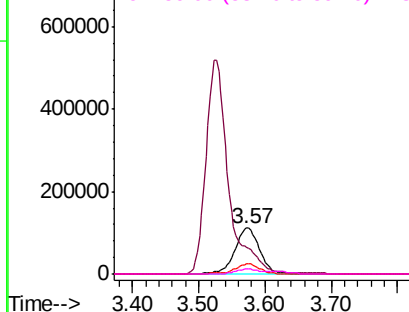
Abundance

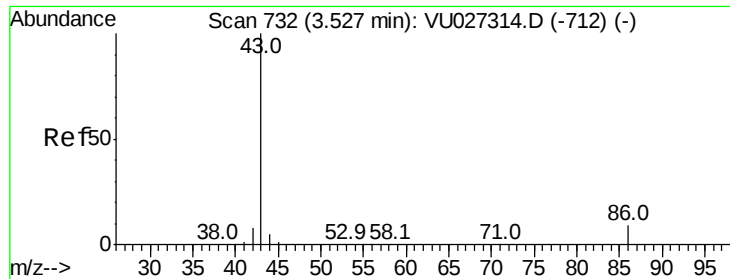
Ion 45.00 (44.70 to 45.70): VU0

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: 240.681 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1239839

Ion Ratio Lower Upper

43 100

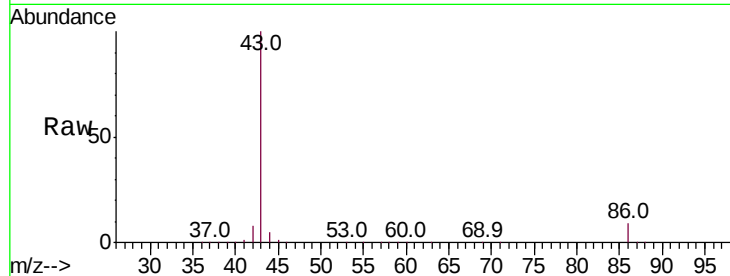
86 8.6 7.0 10.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

600000

500000

400000

300000

200000

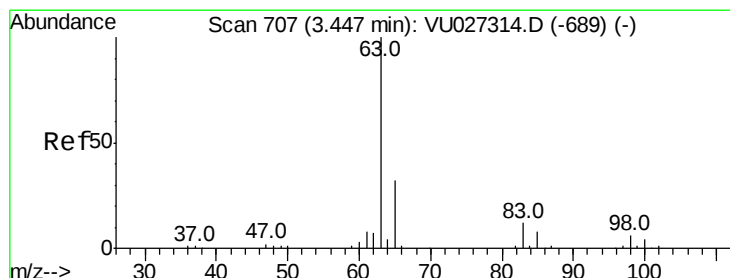
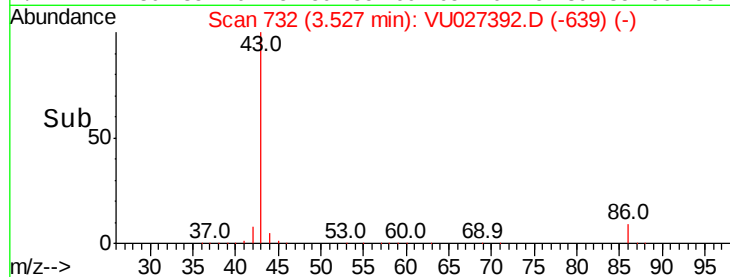
100000

0

3.53

3.40 3.50 3.60 3.70 3.80

Time-->



#24

1,1-Dichloroethane

Concen: 48.650 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

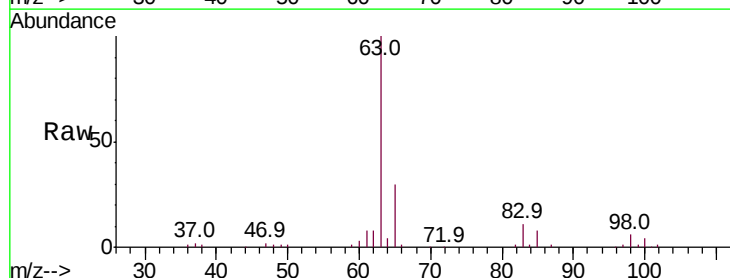
Tgt Ion: 63 Resp: 147525

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.6 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

80000

60000

40000

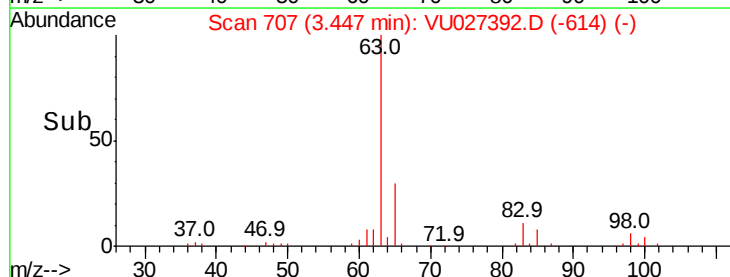
20000

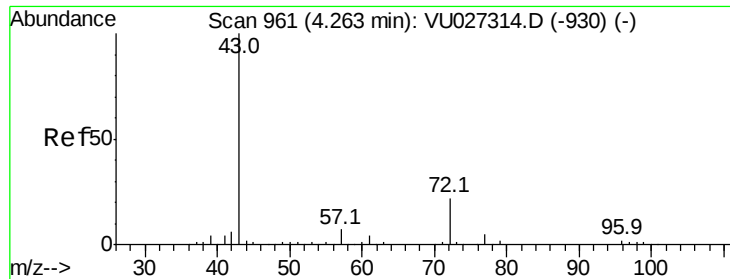
0

3.45

3.40 3.50

Time-->





#25

2-Butanone

Concen: 229.045 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 356486

Ion Ratio Lower Upper

43 100

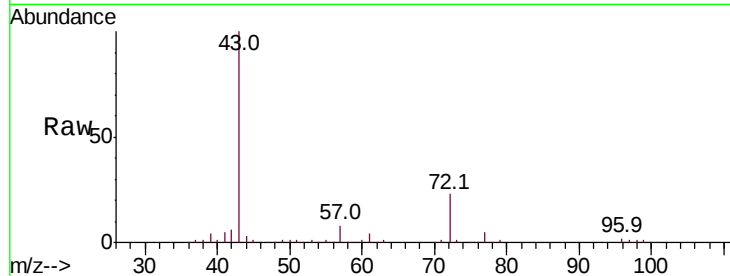
72 22.8 17.8 26.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

100000

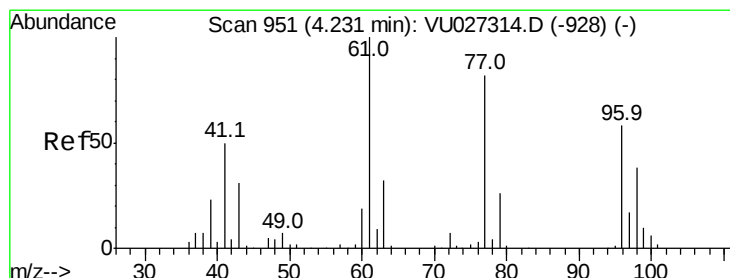
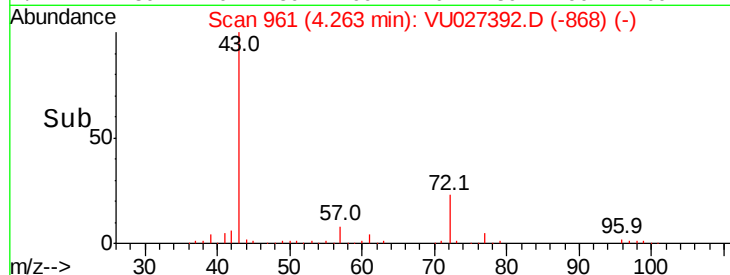
50000

0

4.26

4.10 4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 47.086 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027392.D

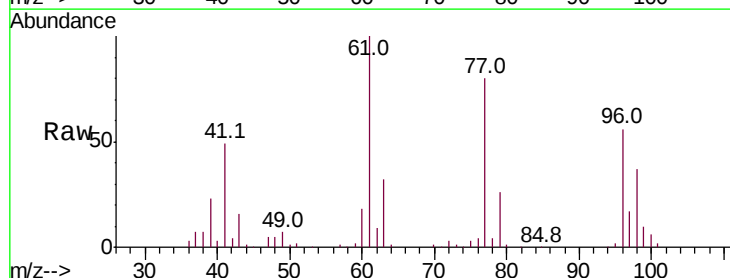
Acq: 04 Oct 2018 08:45

Tgt Ion: 77 Resp: 117324

Ion Ratio Lower Upper

77 100

97 21.4 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

50000

40000

30000

20000

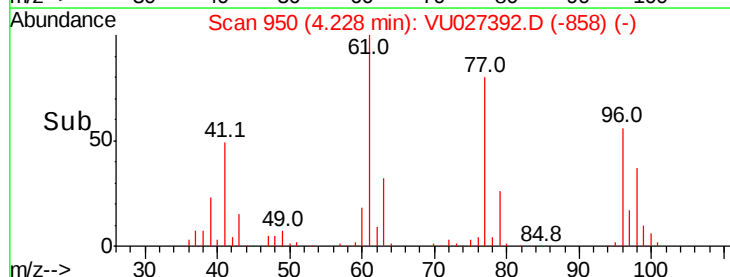
10000

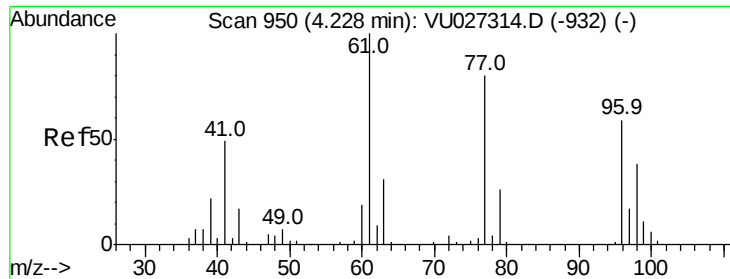
0

4.23

4.10 4.20 4.30

Time-->





#27

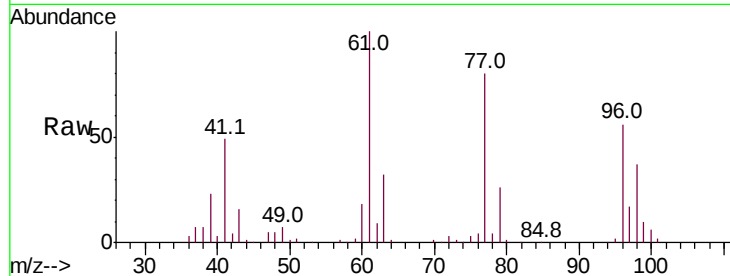
cis-1,2-Dichloroethene
Concen: 46.977 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

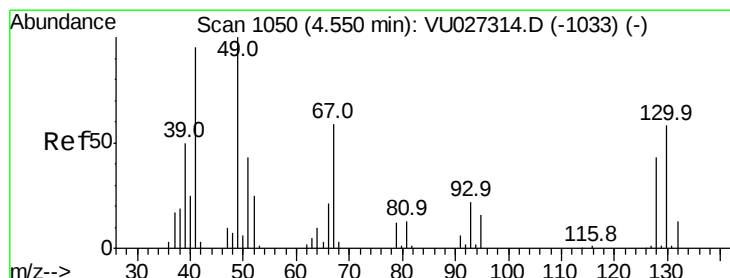
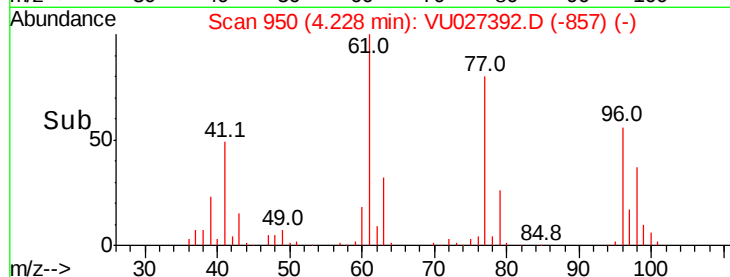
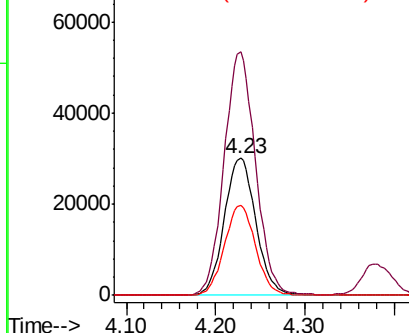
Tot Ion	Ratio	Lower	Upper
96	100		
61	177.1	0.0	343.8
98	64.7	0.0	129.0

Manual Integrations
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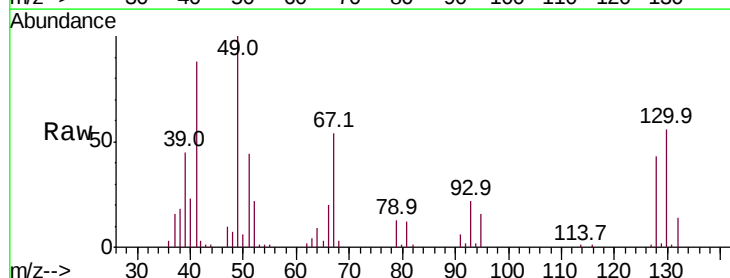
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



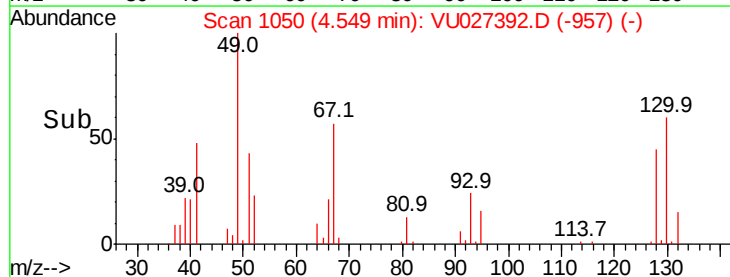
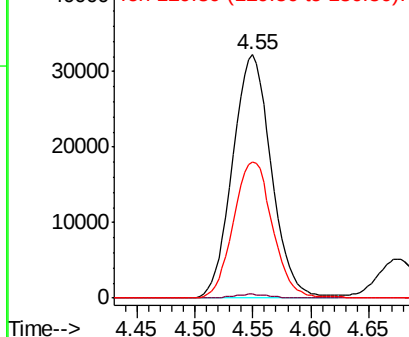
#28

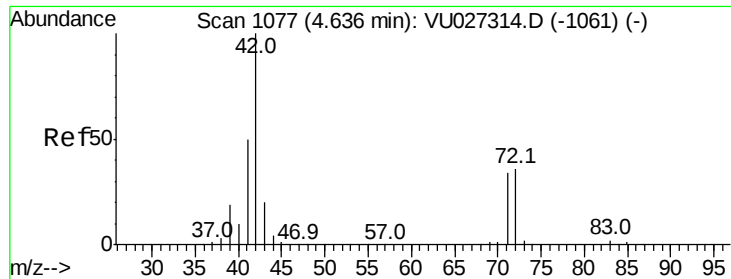
Bromochloromethane
Concen: 51.268 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	56.3	46.1	69.1



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





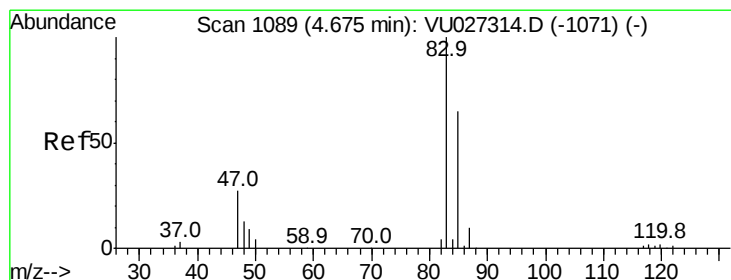
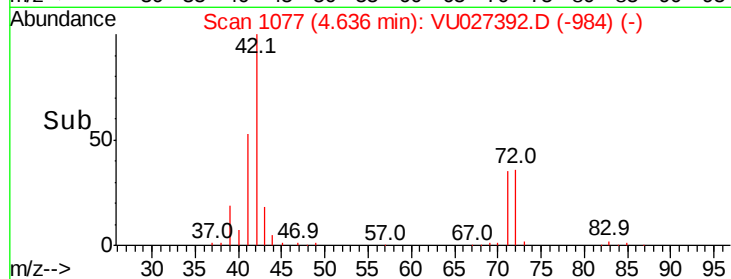
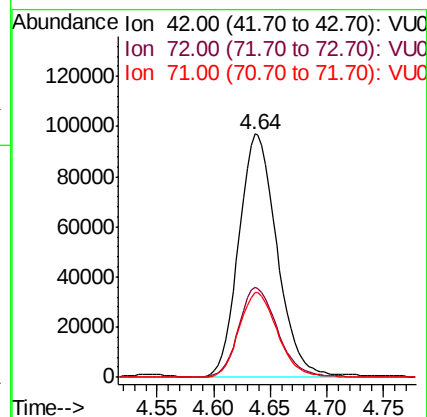
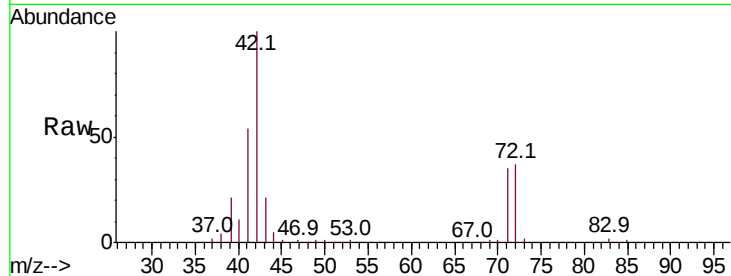
#29
Tetrahydrofuran
Concen: 231.924 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.1	45.1
71	35.3	27.7	41.5

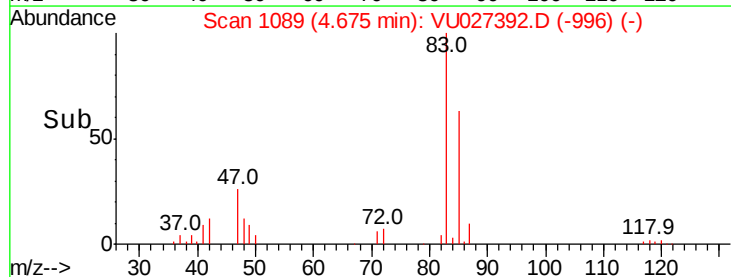
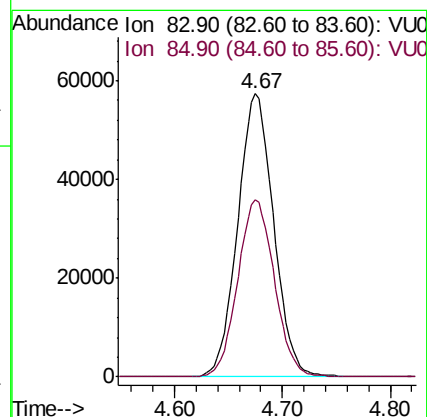
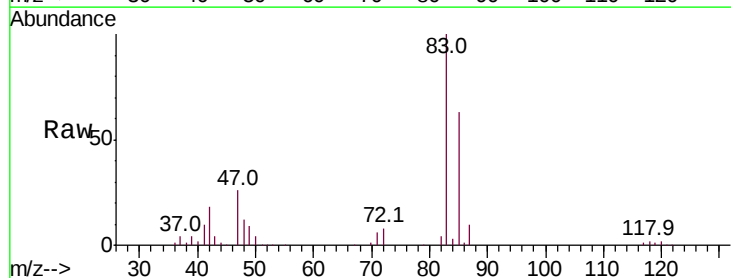
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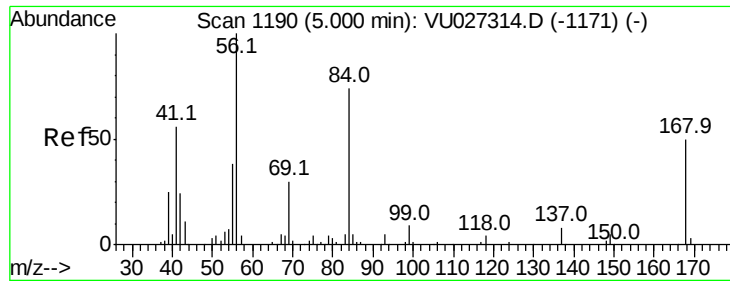
MMDadoda
10/8/2018 1:52:28 PM



#30
Chloroform
Concen: 49.409 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.6





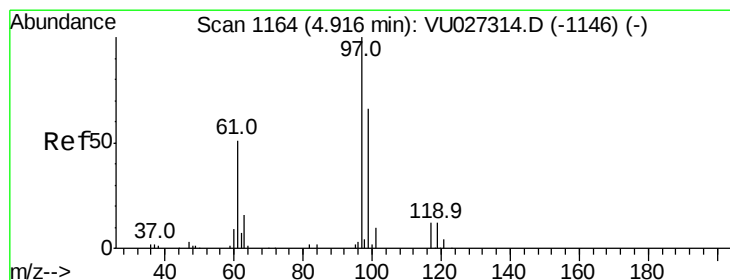
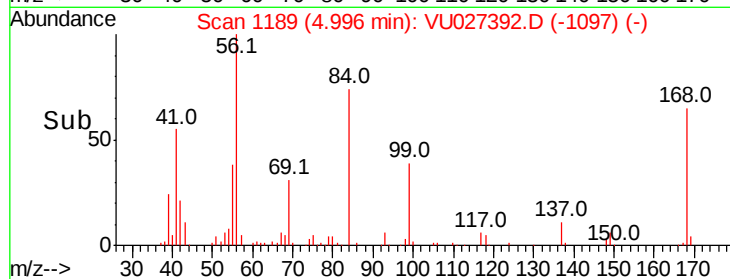
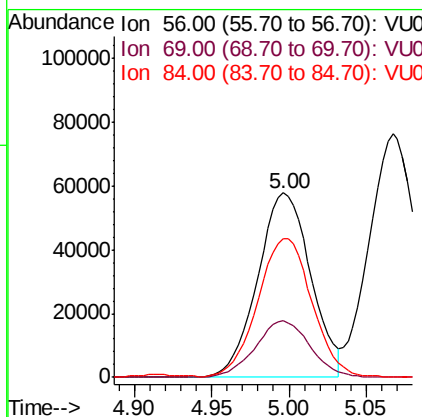
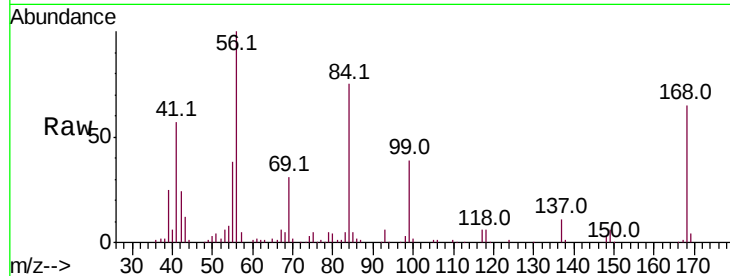
#31
Cyclohexane
Concen: 44.609 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.1	36.1
84	74.4	59.1	88.7

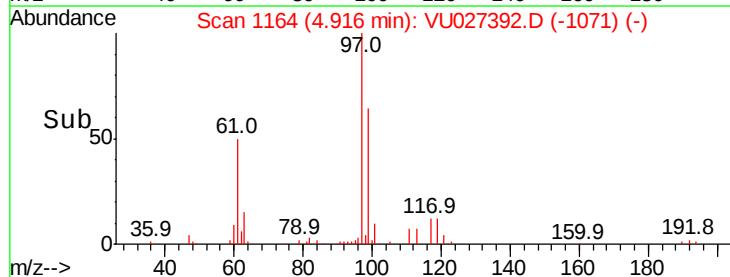
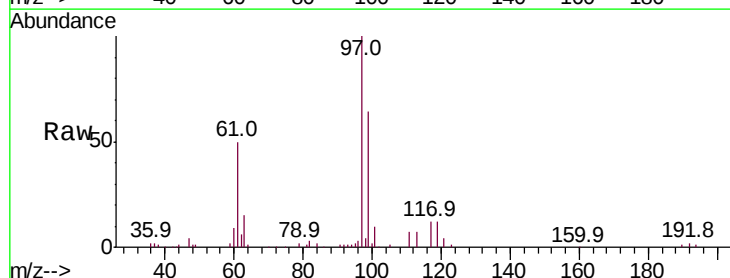
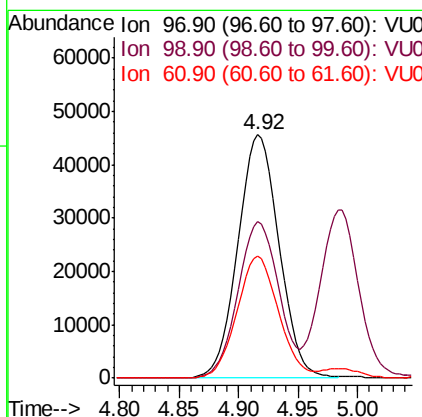
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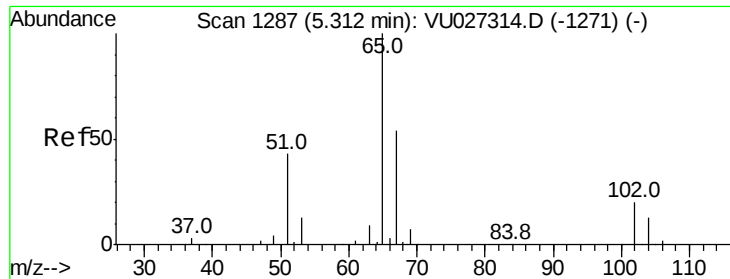
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#32
1,1,1-Trichloroethane
Concen: 48.360 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.1	76.7
61	50.4	39.6	59.4





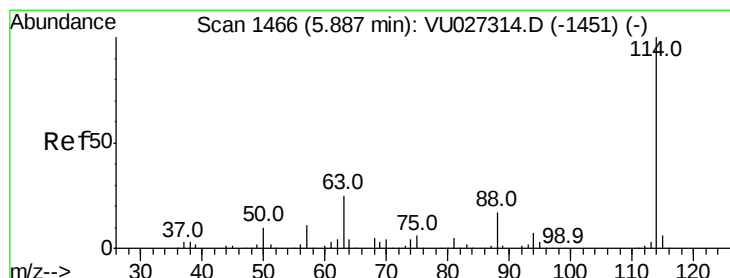
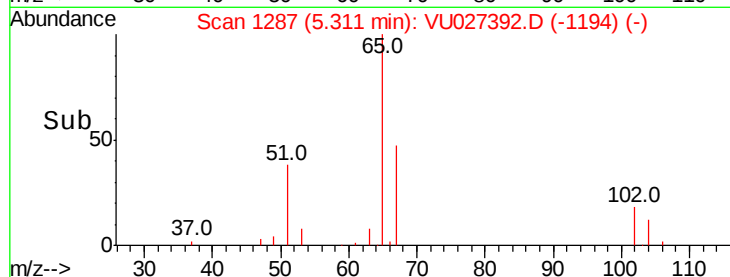
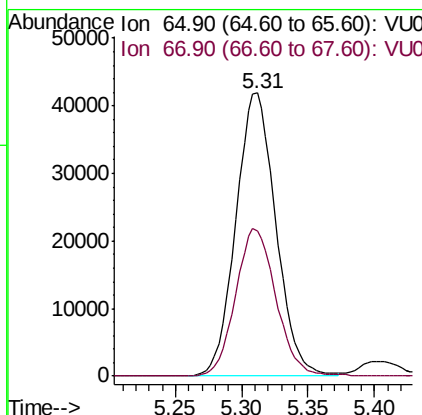
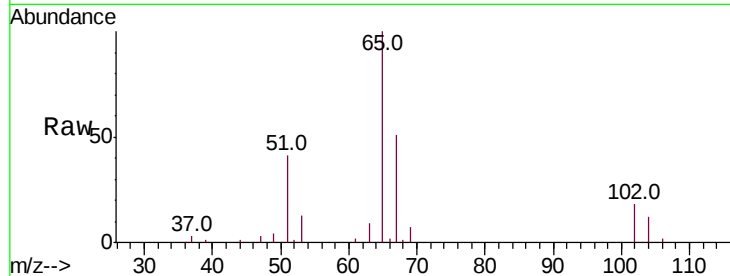
#33
 1,2-Dichloroethane-d4
 Concen: 45.560 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027392.D
 Acq: 04 Oct 2018 08:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	107.8

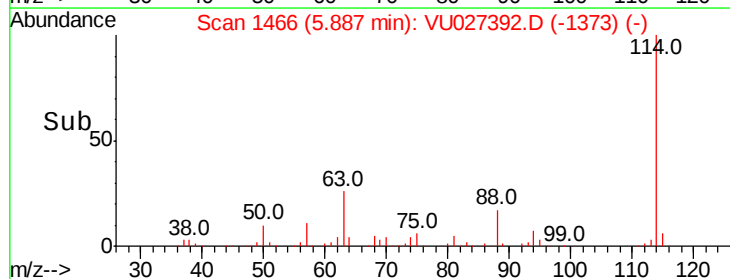
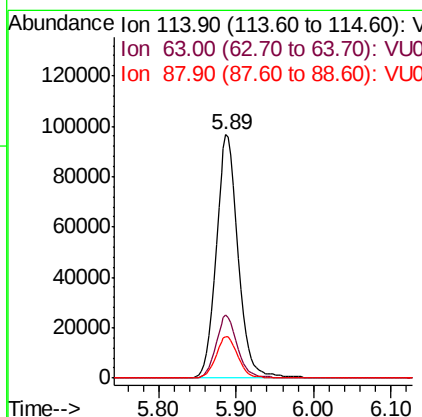
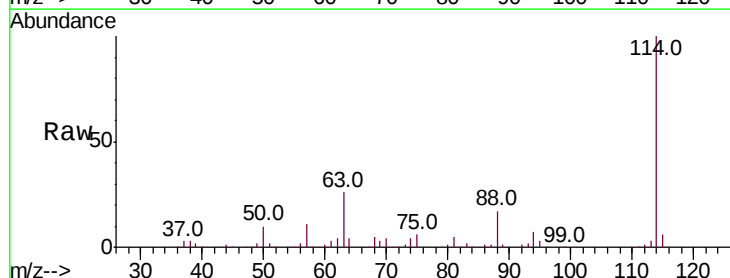
Manual Integrations
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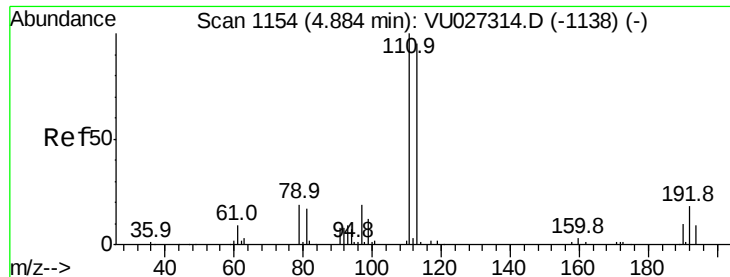
MMDadoda
 10/8/2018 1:52:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027392.D
 Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.8	0.0	50.2
88	17.1	0.0	33.8





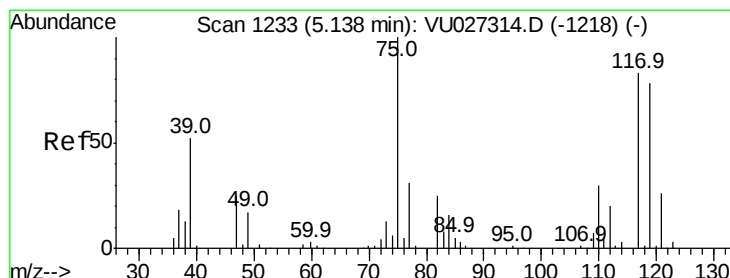
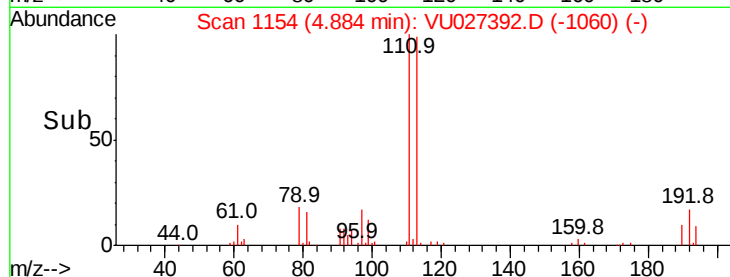
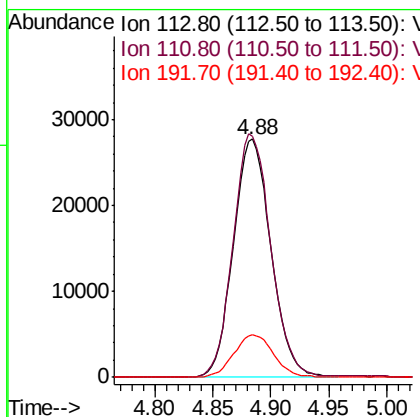
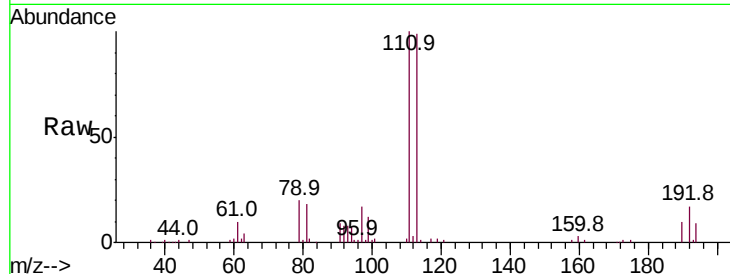
#35
 Dibromofluoromethane
 Concen: 47.607 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027392.D
 Acq: 04 Oct 2018 08:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.1	124.7
192	18.8	15.4	23.0

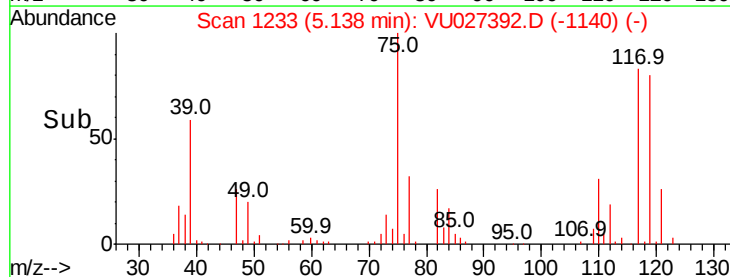
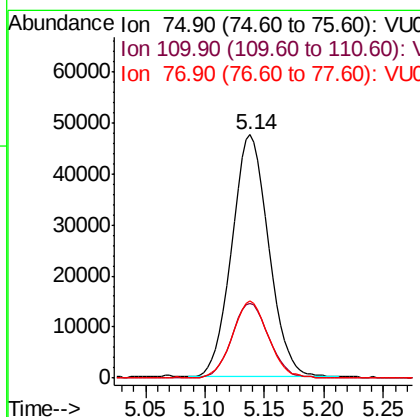
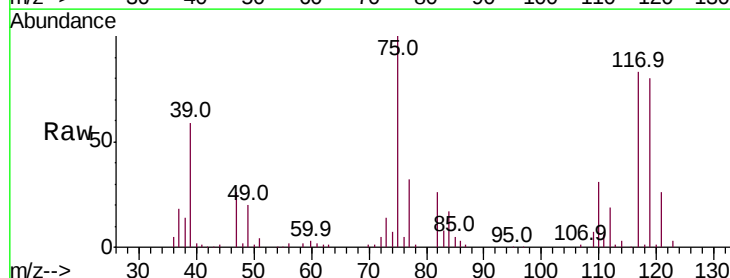
Manual Integrations
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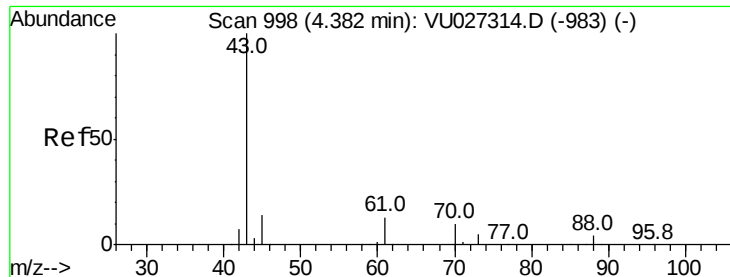
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 48.644 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027392.D
 Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.3	15.5	46.5
77	30.6	25.4	38.0





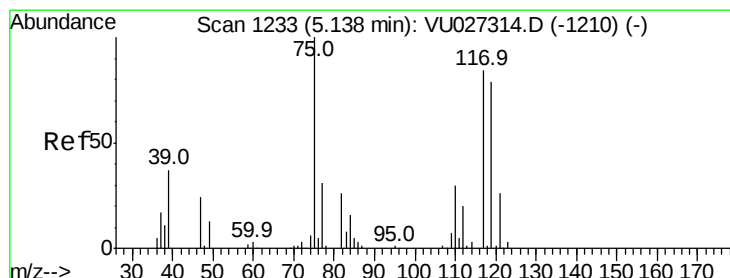
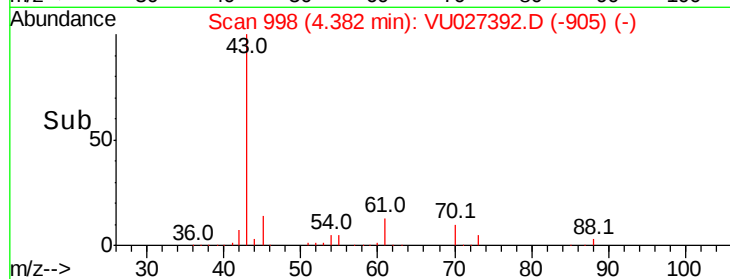
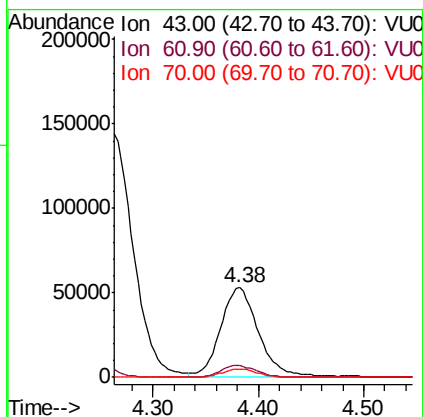
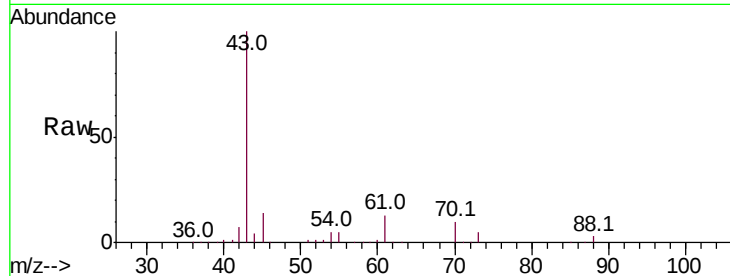
#37
Ethyl Acetate
Concen: 48.040 ug/l
RT: 4.38 min Scan# 998
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	9.0	7.4	11.2

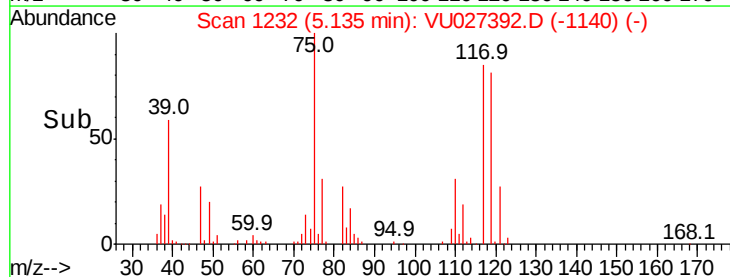
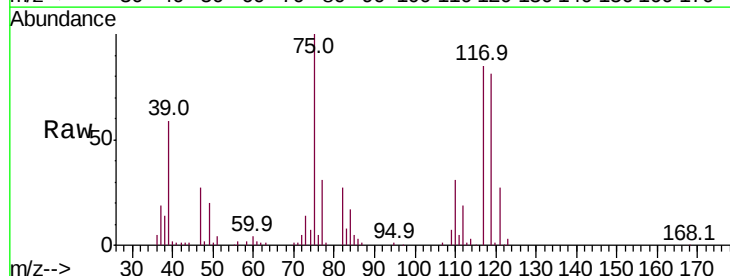
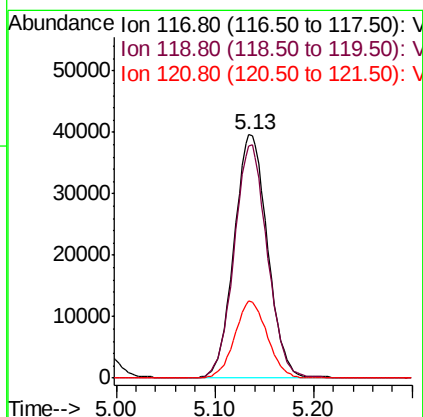
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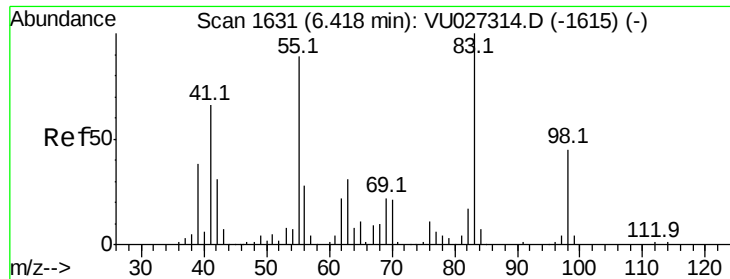
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#38
Carbon Tetrachloride
Concen: 49.554 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	74.5	111.7
121	31.7	24.6	37.0





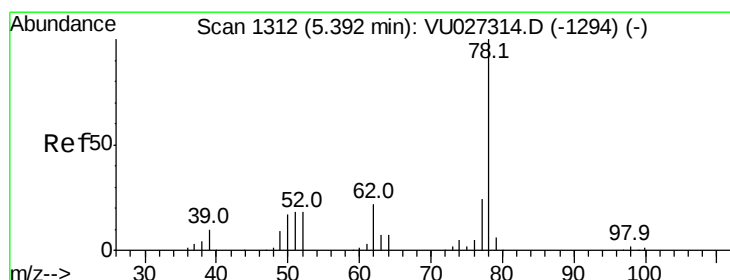
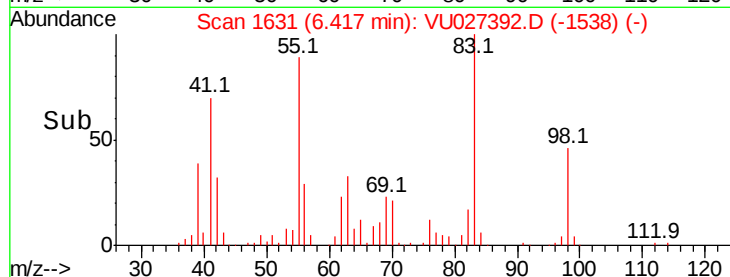
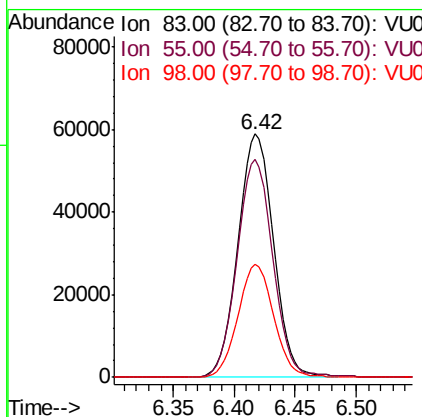
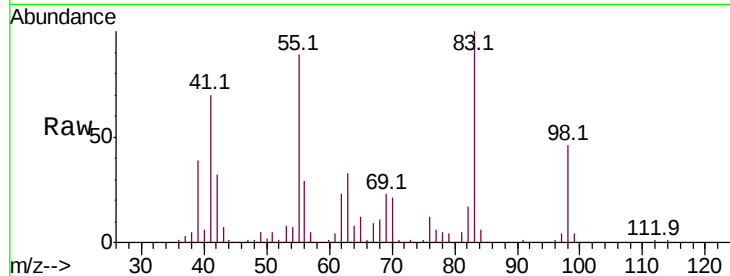
#39
Methvlcvclohexane
Concen: 48.778 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	118930		
55	89.3	71.1	106.7	
98	46.2	36.3	54.5	

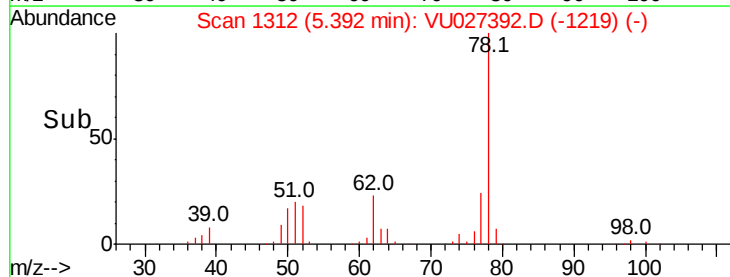
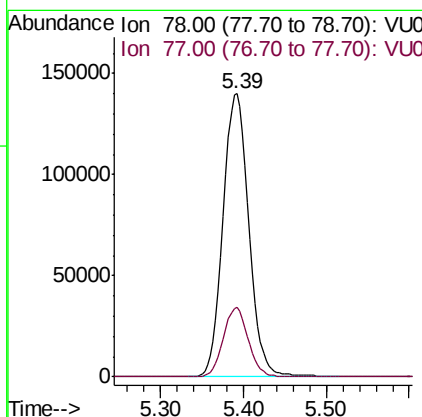
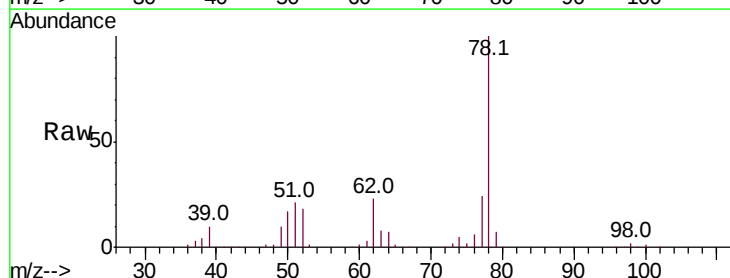
Manual Integrations
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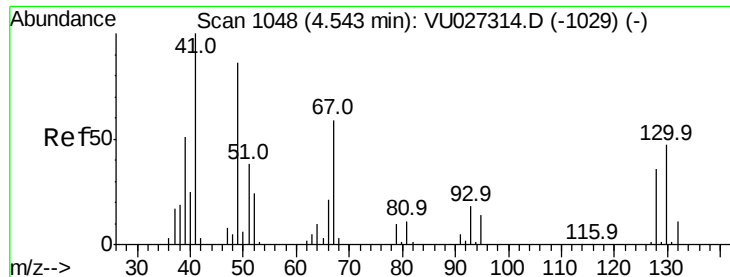
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#40
Benzene
Concen: 49.989 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	303714		
77	24.4	19.3	28.9	





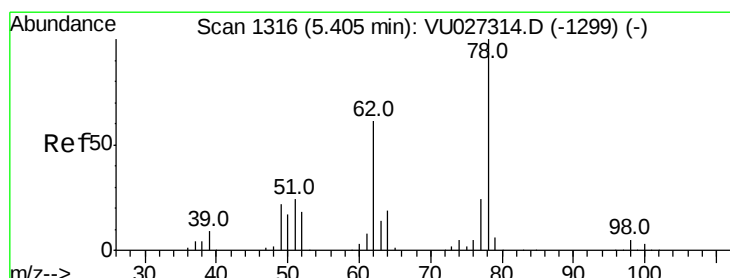
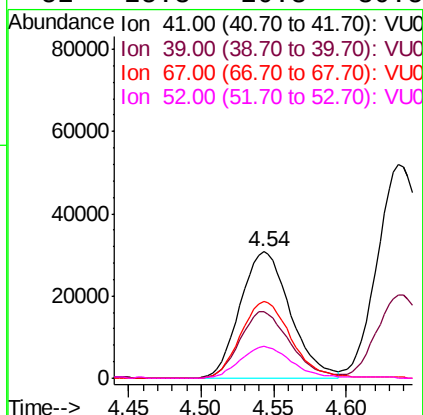
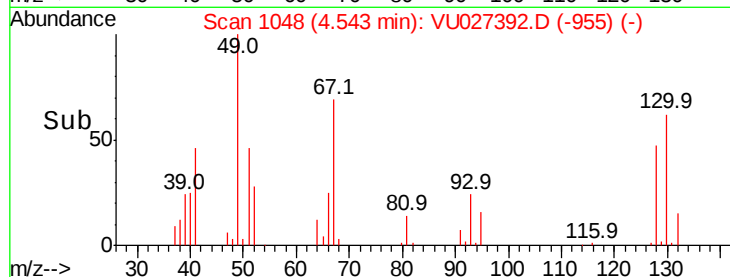
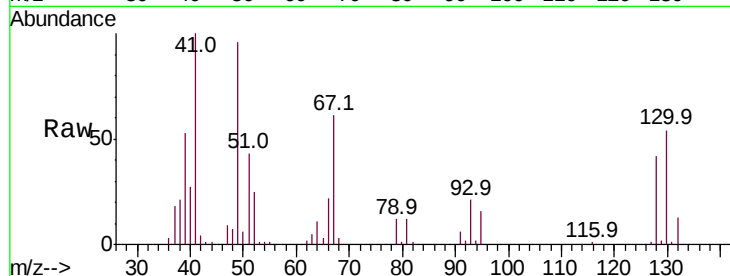
#41
Methacrylonitrile
Concen: 48.666 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.7	41.1	61.7
67	60.4	50.4	75.6
52	25.3	20.3	30.5

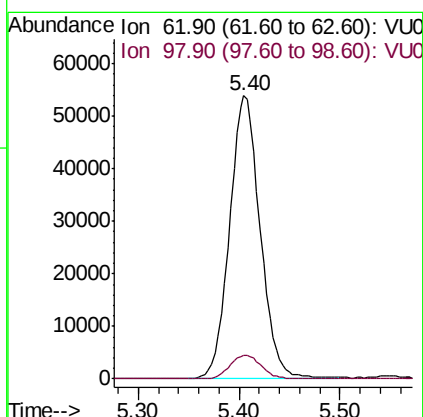
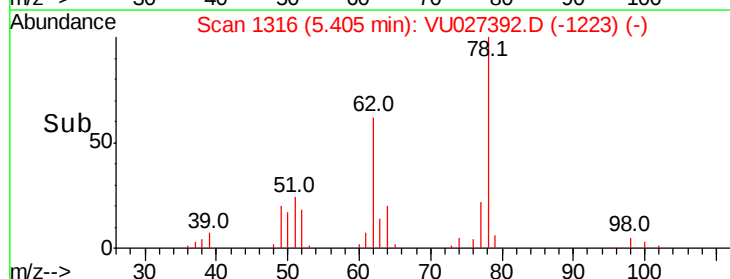
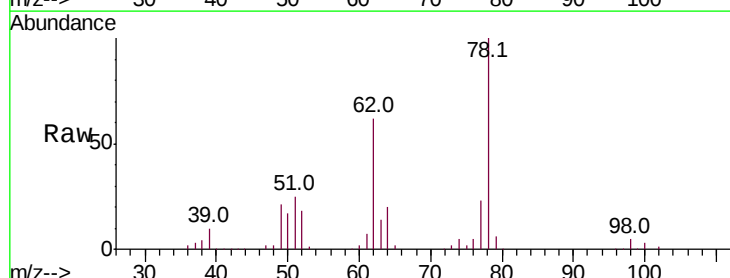
Manual Integrations
APPROVED

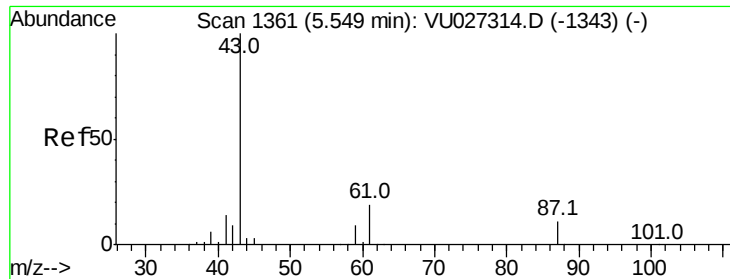
MMDadoda
10/8/2018 1:52:28 PM



#42
1,2-Dichloroethane
Concen: 50.426 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 49.424 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Instrument :

MSVOA_U

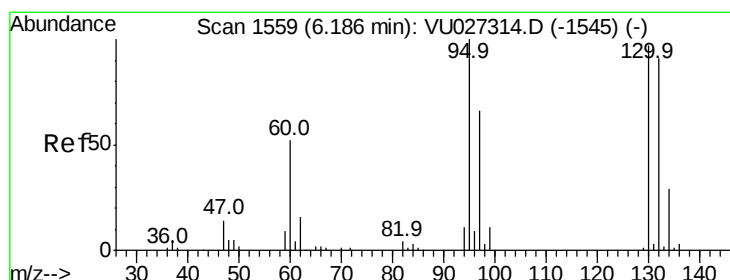
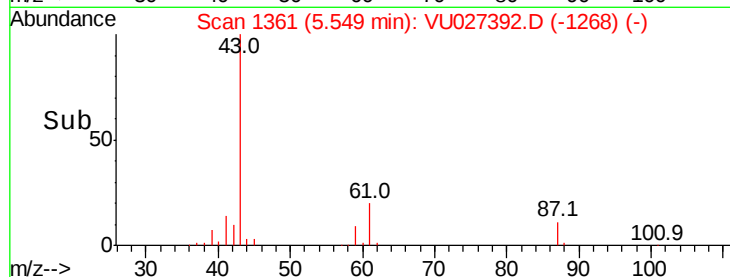
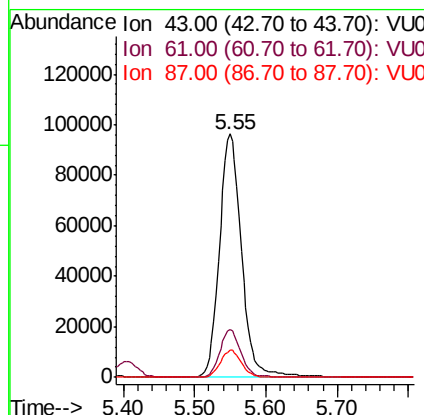
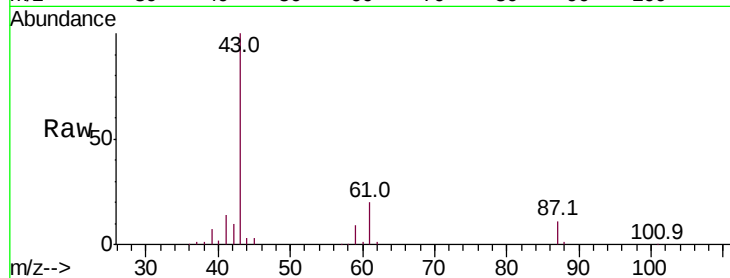
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	206922
Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.3	22.9
87	10.6	8.6	13.0

Manual Integrations
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MMDadoda
10/8/2018 1:52:28 PM



#44

Trichloroethene

Concen: 48.469 ug/l

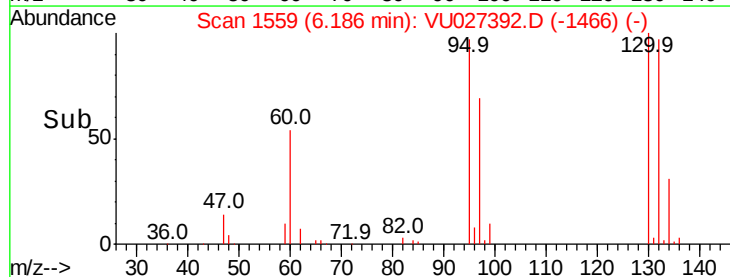
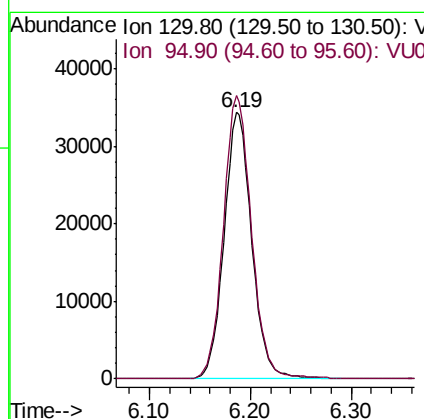
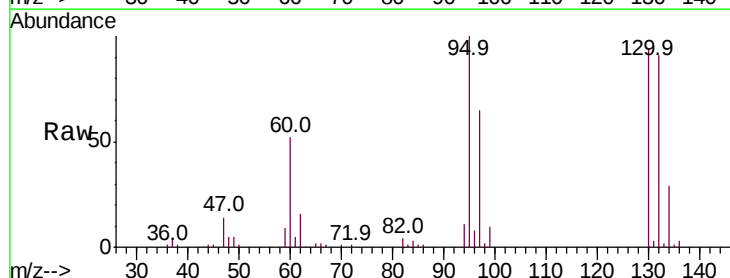
RT: 6.19 min Scan# 1559

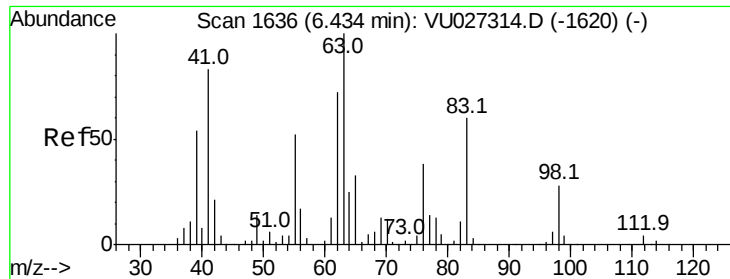
Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Tgt Ion:	130	Resp:	65664
Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	207.0





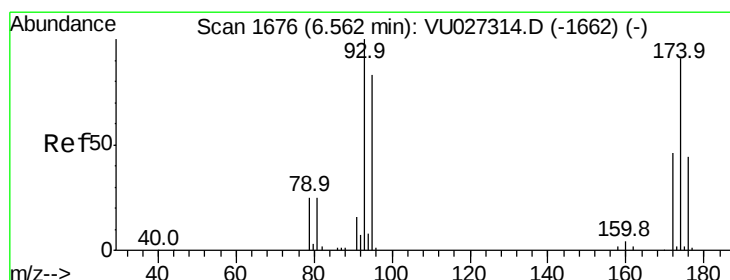
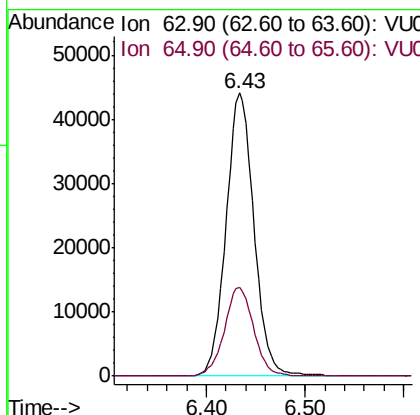
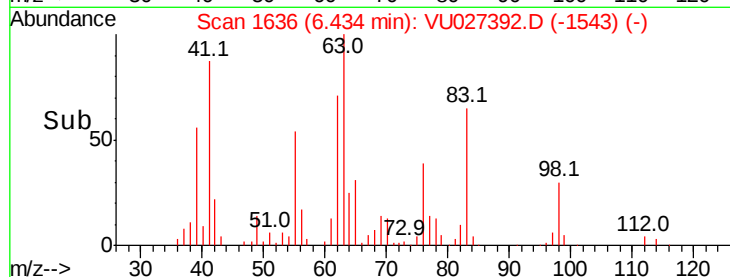
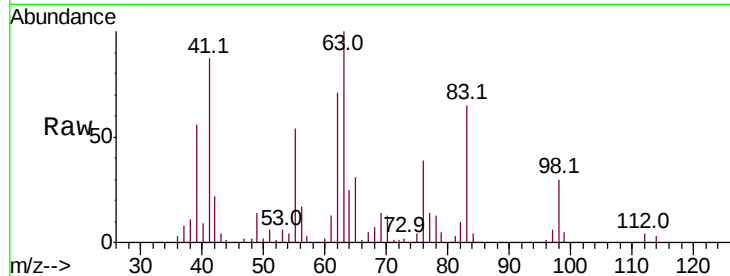
#45
 1,2-Dichloropropane
 Concen: 49.761 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027392.D
 Acq: 04 Oct 2018 08:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 87201
 Ion Ratio Lower Upper
 63 100
 65 31.2 26.0 39.0

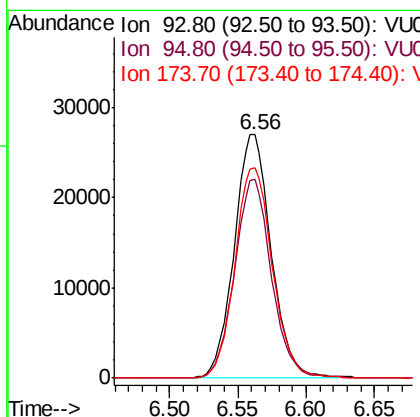
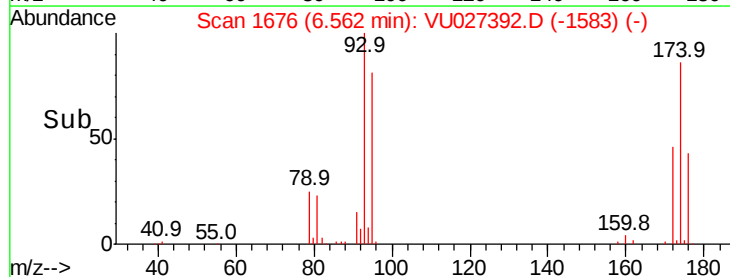
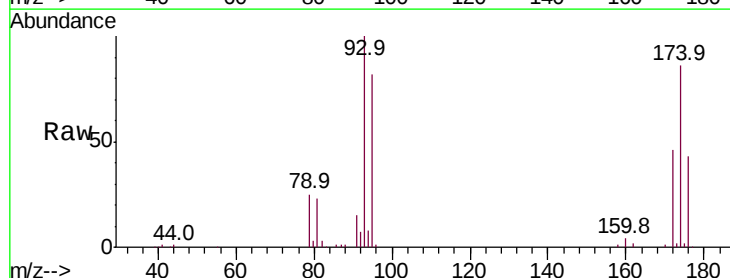
Manual Integrations
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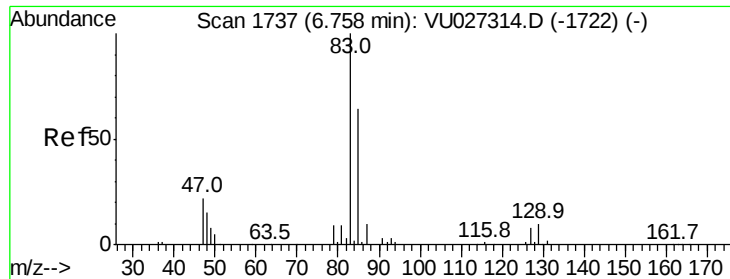
MMDadoda
 10/8/2018 1:52:28 PM



#46
 Dibromomethane
 Concen: 51.291 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VU027392.D
 Acq: 04 Oct 2018 08:45

Tgt Ion: 93 Resp: 50764
 Ion Ratio Lower Upper
 93 100
 95 81.3 66.5 99.7
 174 87.7 72.5 108.7





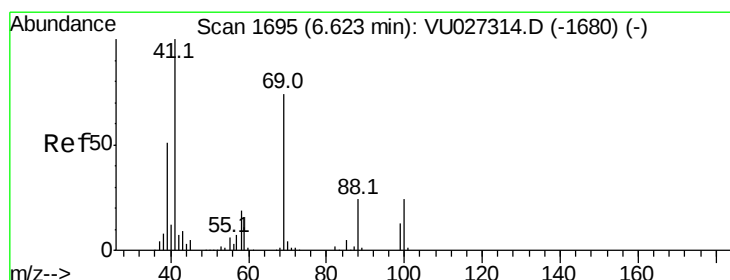
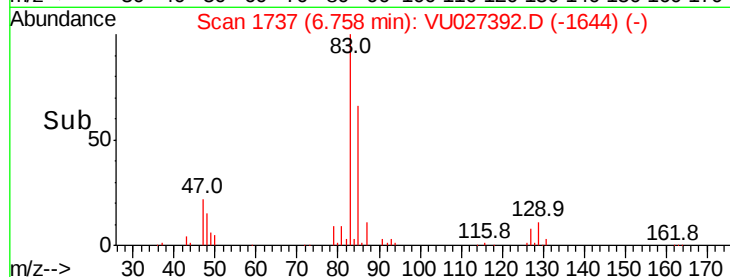
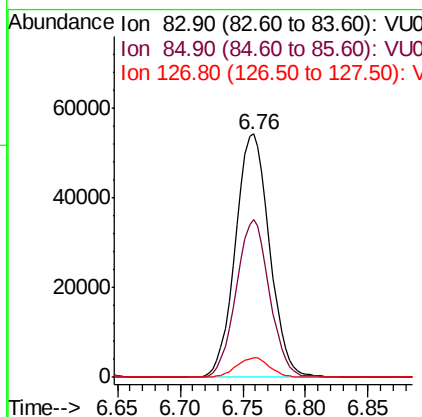
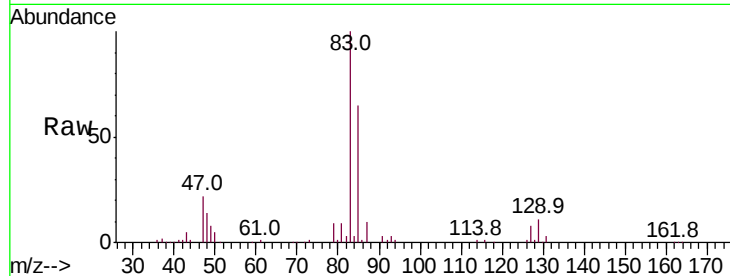
#47
 Bromodichloromethane
 Concen: 49.965 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU027392.D
 Acq: 04 Oct 2018 08:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.0
127	8.0	6.3	9.5

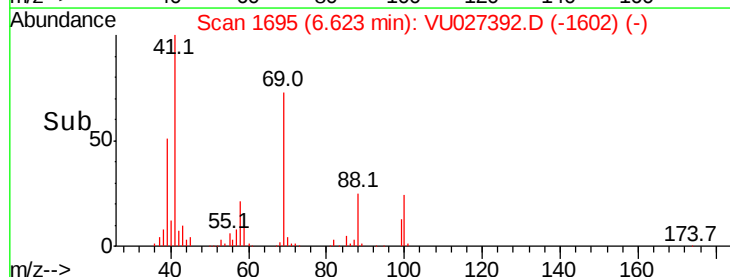
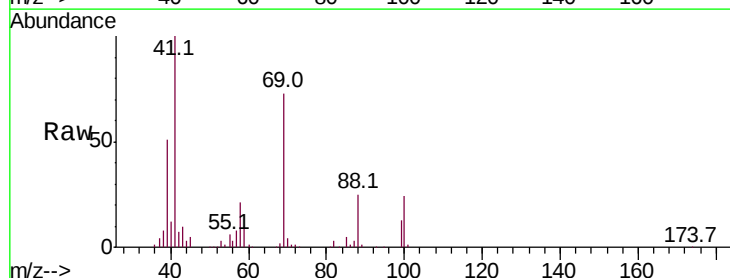
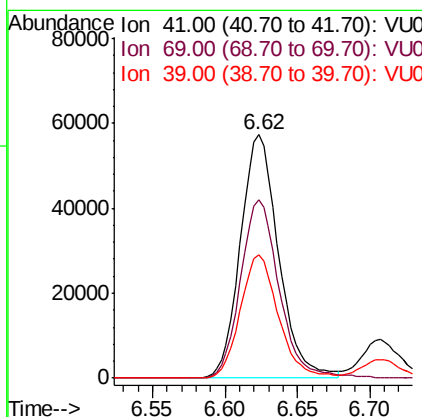
Manual Integrations
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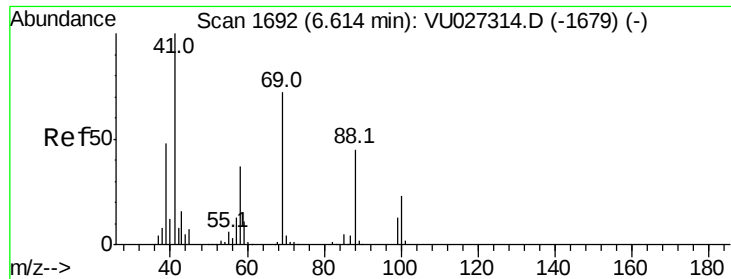
MMDadoda
 10/8/2018 1:52:28 PM



#48
 Methyl methacrylate
 Concen: 50.143 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU027392.D
 Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.8	61.0	91.4
39	50.4	39.9	59.9





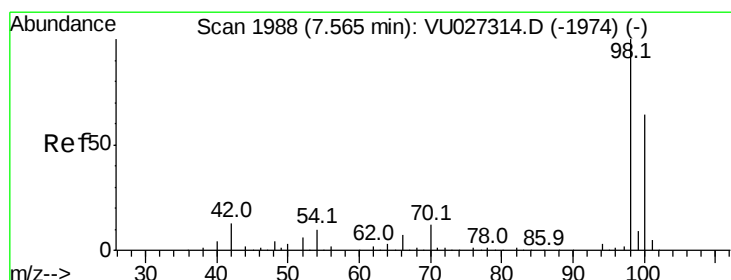
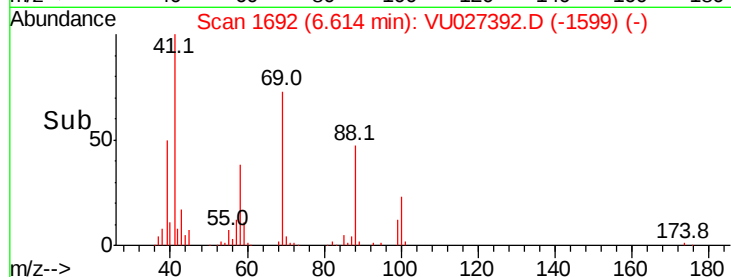
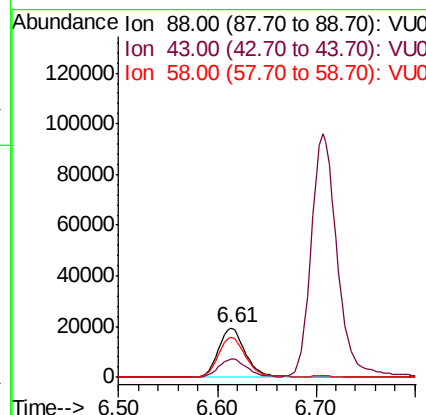
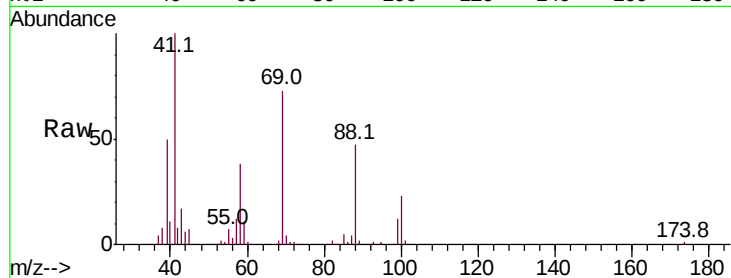
#49
1,4-Dioxane
Concen: 1061.059 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	30.8	46.2
58	81.2	67.0	100.6

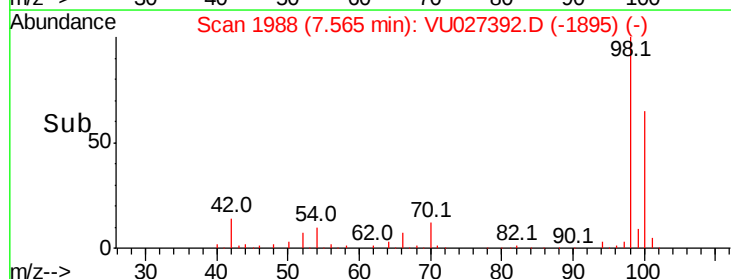
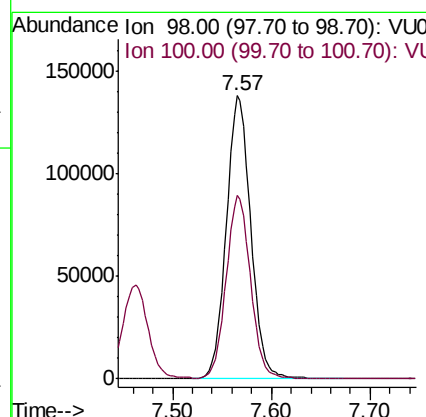
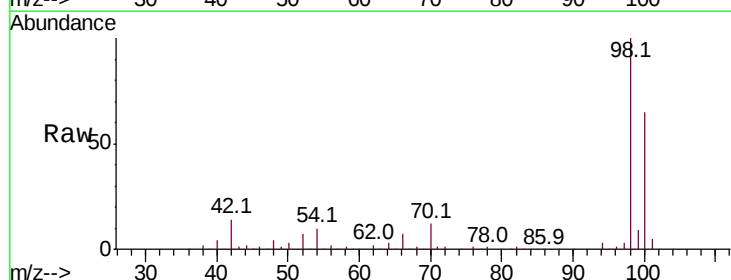
Manual Integrations
APPROVED

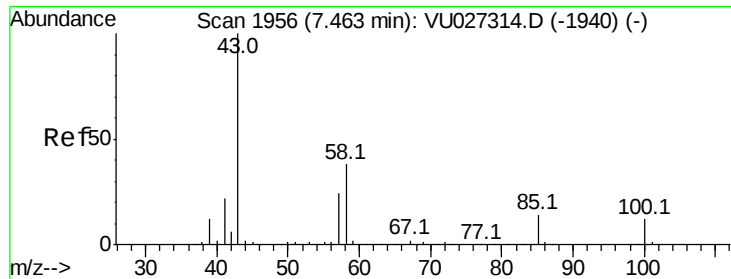
MMDadoda
10/8/2018 1:52:28 PM



#50
Toluene-d8
Concen: 48.972 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 248.108 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 674983

Ion Ratio Lower Upper

43 100

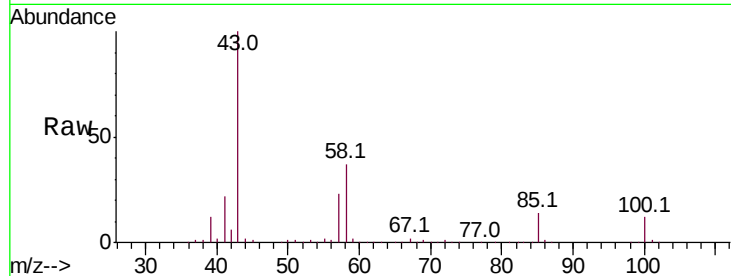
58 36.9 29.8 44.8

Manual Integrations

APPROVED

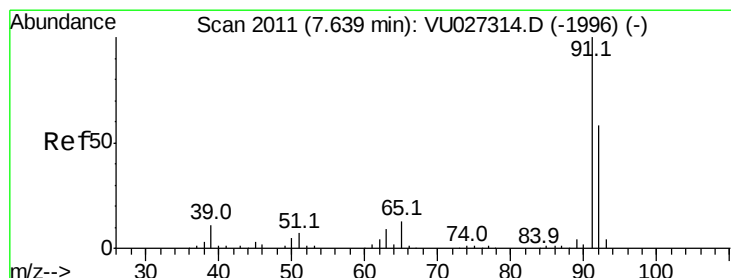
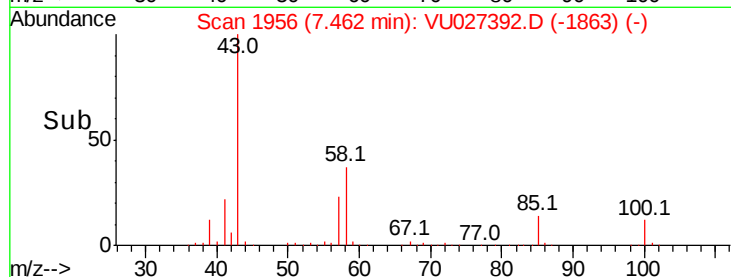
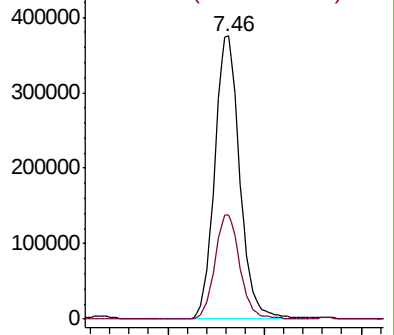
MMDadoda

10/8/2018 1:52:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 49.397 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027392.D

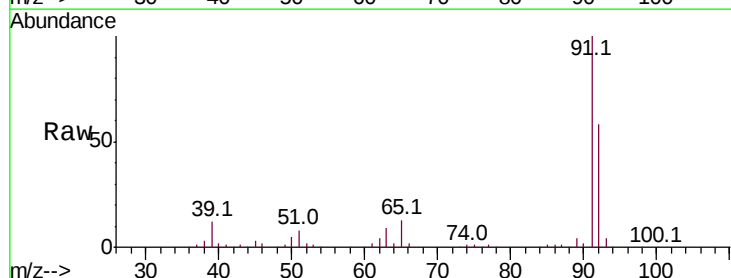
Acq: 04 Oct 2018 08:45

Tgt Ion: 92 Resp: 177638

Ion Ratio Lower Upper

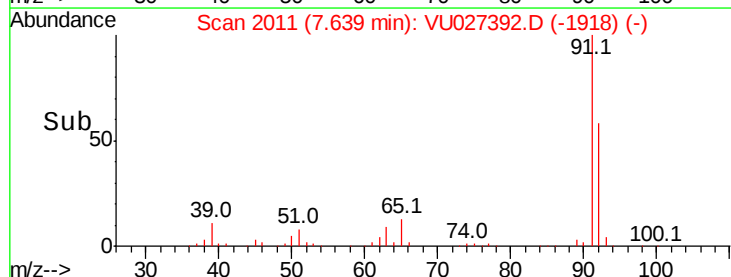
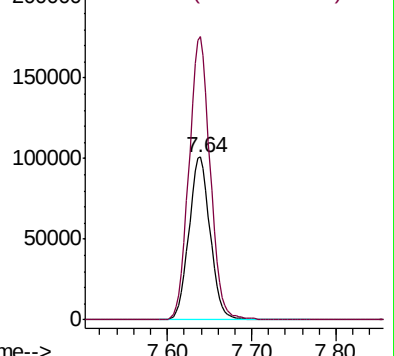
92 100

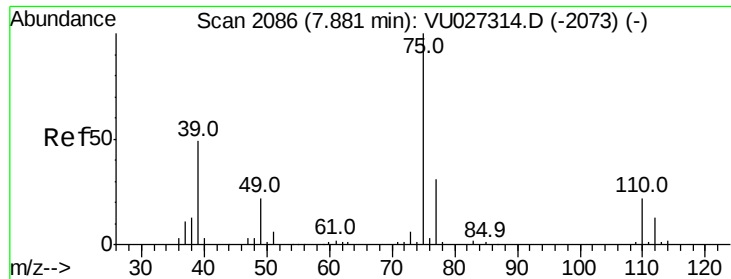
91 172.7 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





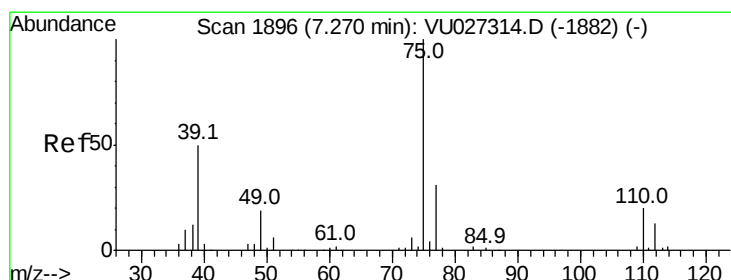
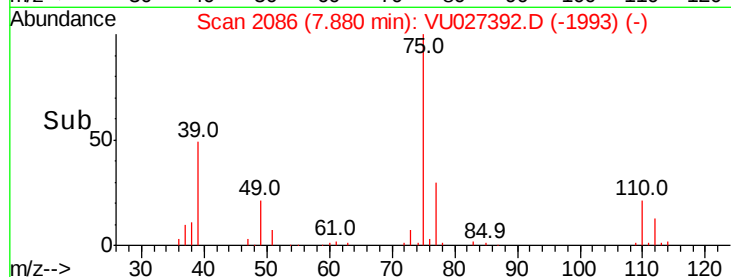
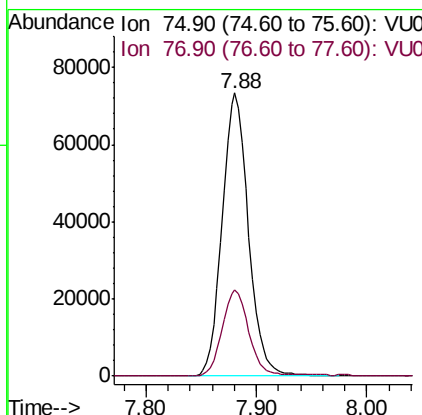
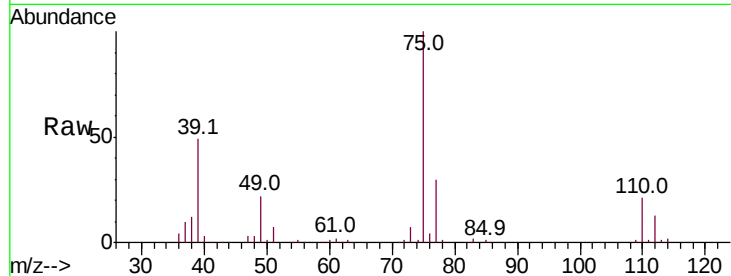
#53
t-1,3-Dichloropropene
Concen: 50.276 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 121060
Ion Ratio Lower Upper
75 100
77 30.3 25.0 37.6

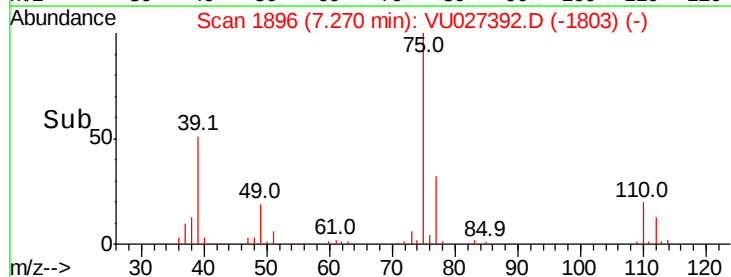
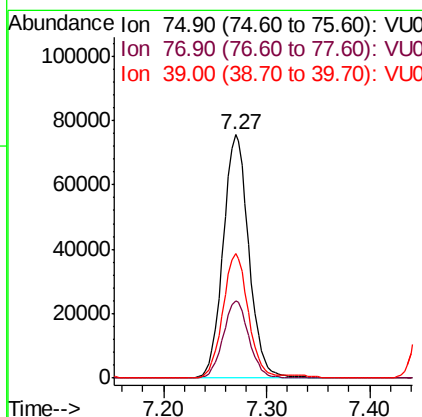
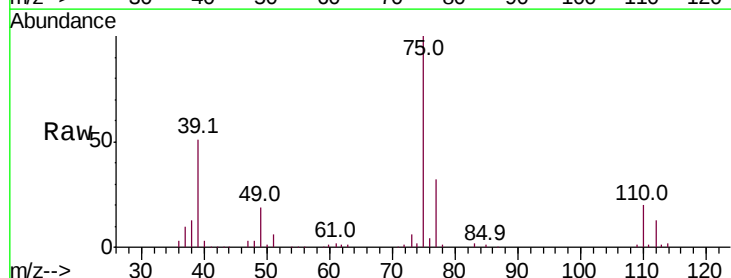
Manual Integrations
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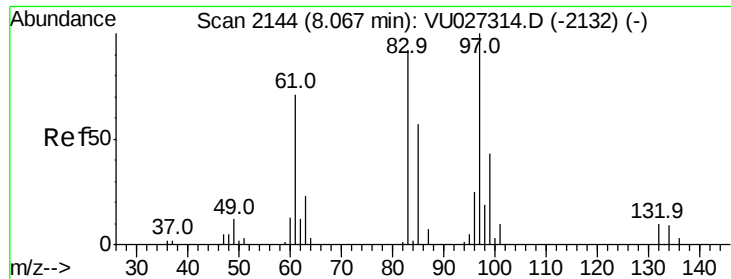
MMDadoda
10/8/2018 1:52:28 PM



#54
cis-1,3-Dichloropropene
Concen: 50.590 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion: 75 Resp: 130956
Ion Ratio Lower Upper
75 100
77 31.9 24.5 36.7
39 51.0 40.1 60.1





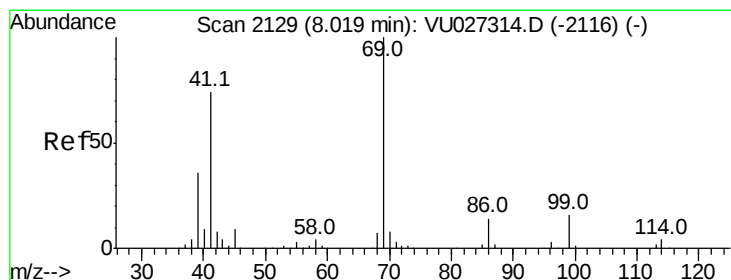
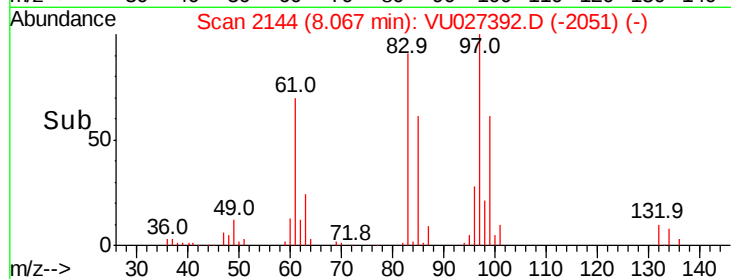
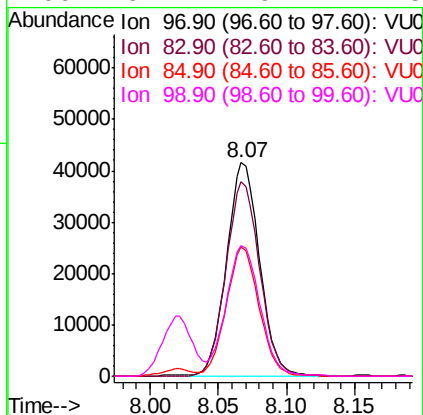
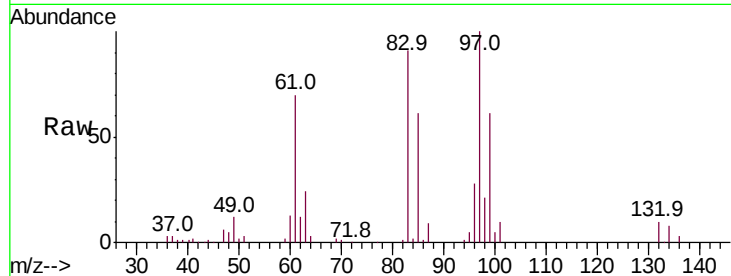
#55
 1,1,2-Trichloroethane
 Concen: 49.186 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027392.D
 Acq: 04 Oct 2018 08:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	91.3	73.0	109.6	
85	60.7	47.3	70.9	
99	61.2	49.7	74.5	

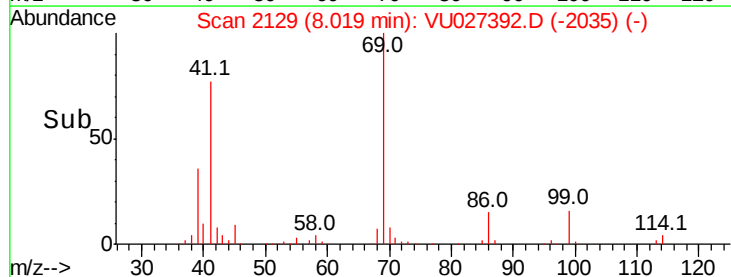
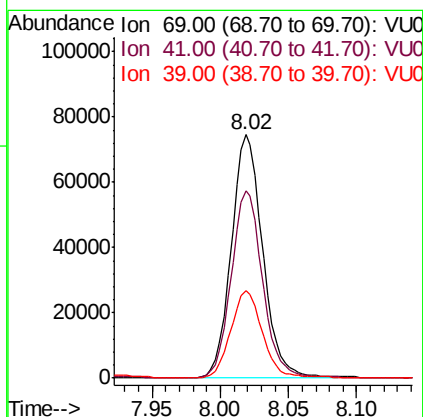
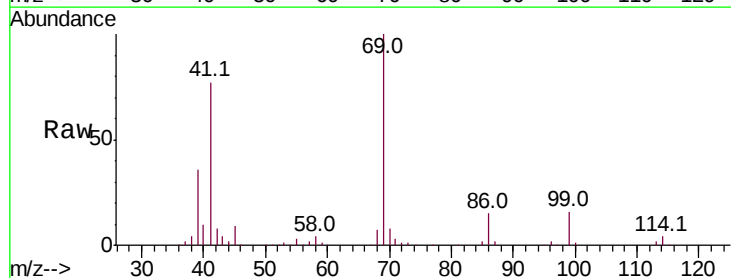
Manual Integrations
 APPROVED

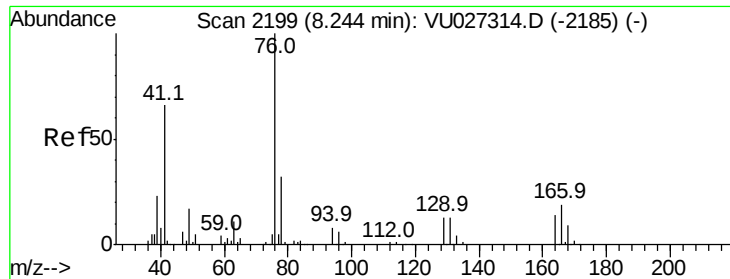
MMDadoda
 10/8/2018 1:52:28 PM



#56
 Ethyl methacrylate
 Concen: 43.916 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027392.D
 Acq: 04 Oct 2018 08:45

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	77.6	60.0	90.0	
39	35.8	29.5	44.3	





#57

1,3-Dichloropropane

Concen: 49.335 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 136554

Ion Ratio Lower Upper

76 100

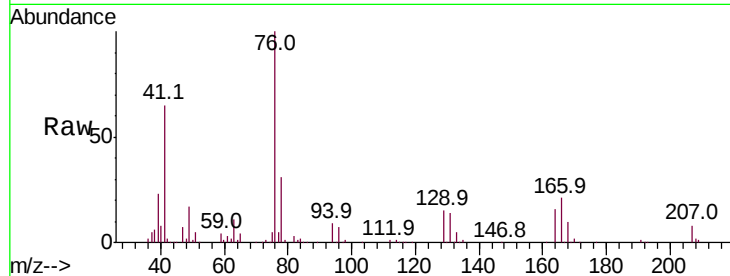
78 31.5 25.8 38.6

Manual Integrations

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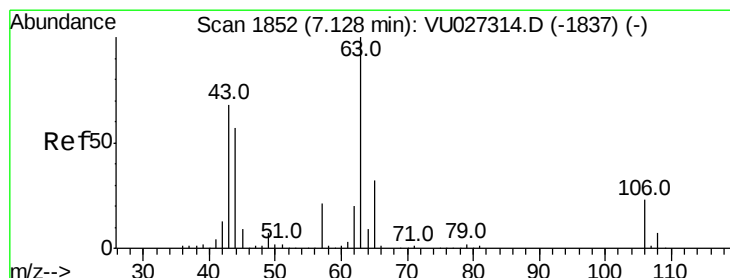
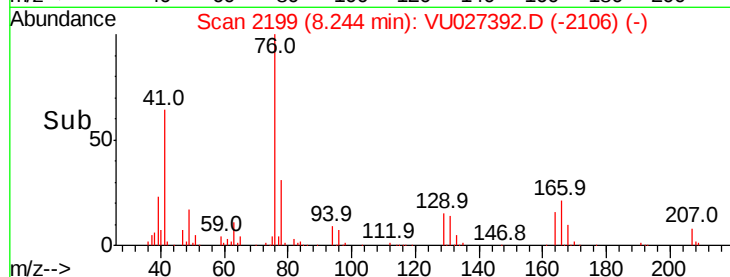
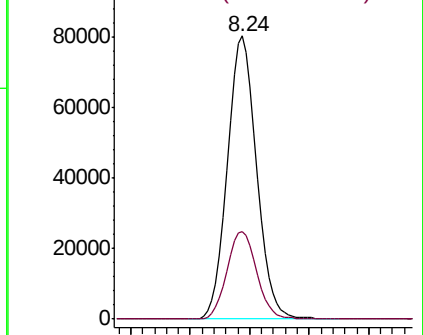
MMDadoda

10/8/2018 1:52:28 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 225.186 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU027392.D

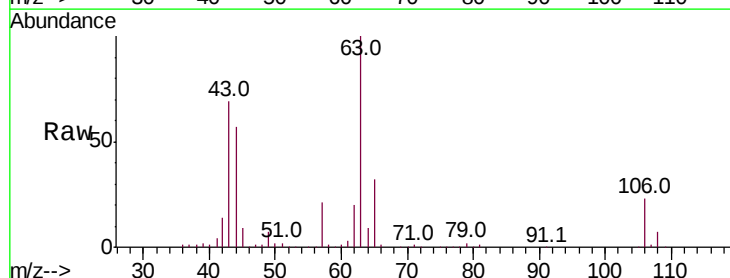
Acq: 04 Oct 2018 08:45

Tgt Ion: 63 Resp: 336383

Ion Ratio Lower Upper

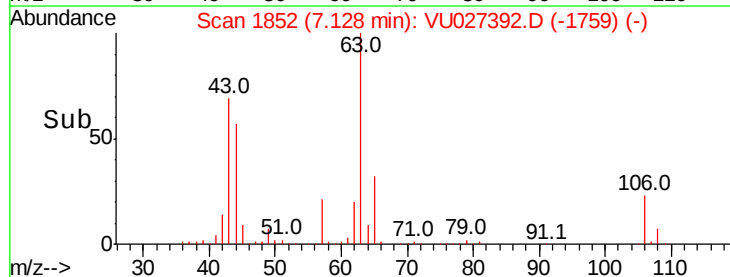
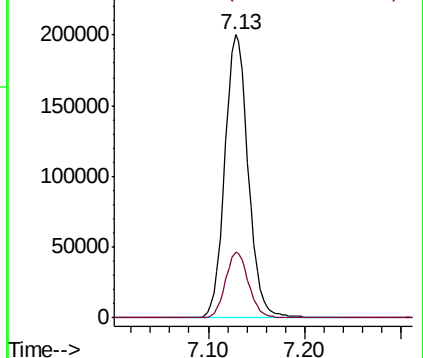
63 100

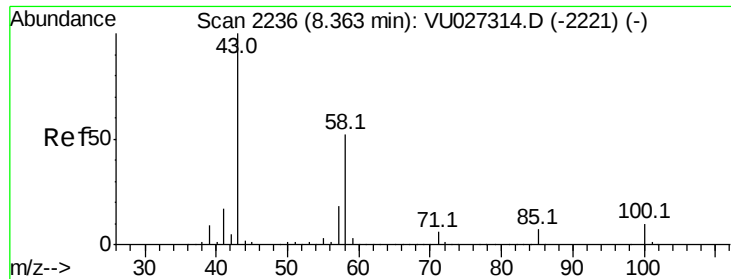
106 23.0 18.5 27.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





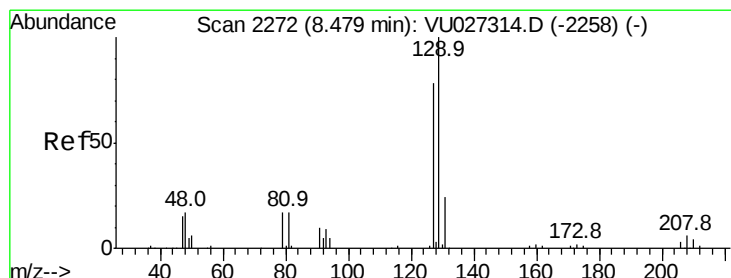
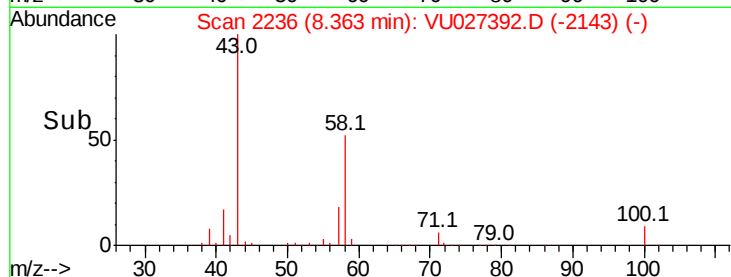
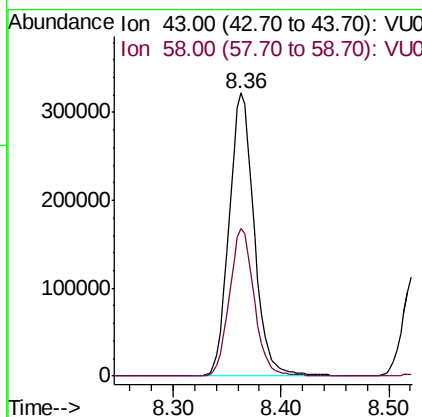
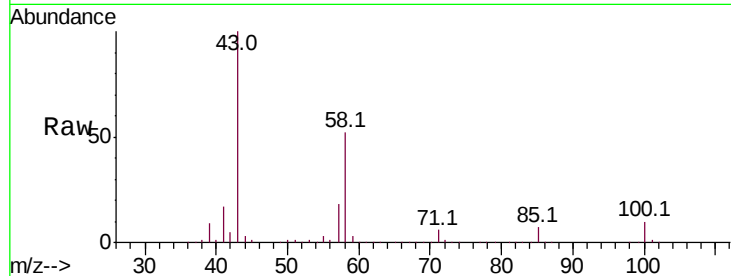
#59
2-Hexanone
Concen: 247.508 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.9	26.1	78.3

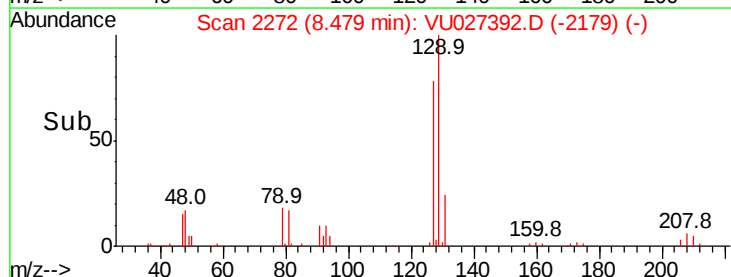
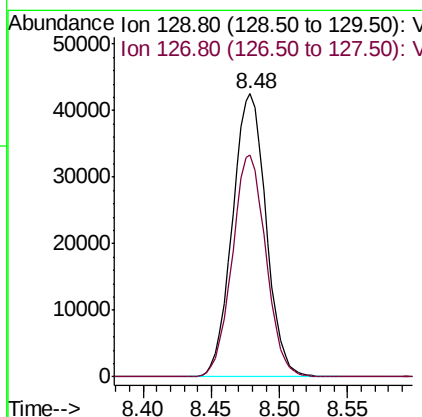
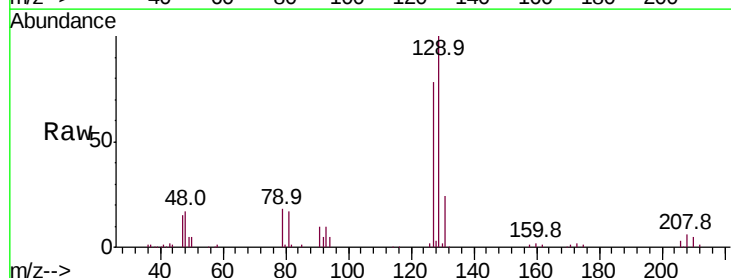
Manual Integrations
APPROVED

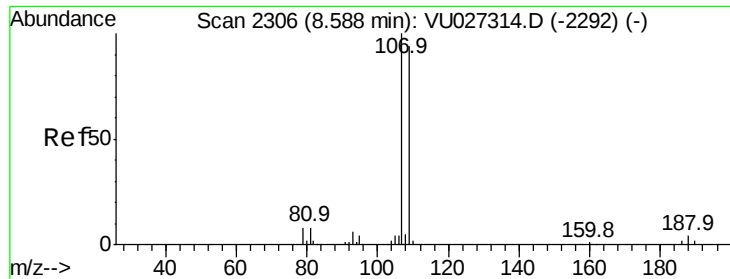
MMDadoda
10/8/2018 1:52:28 PM



#60
Dibromochloromethane
Concen: 51.012 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2





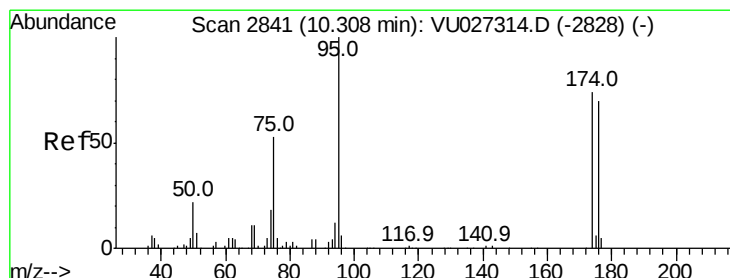
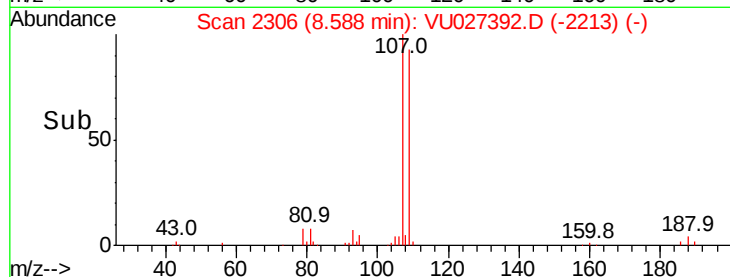
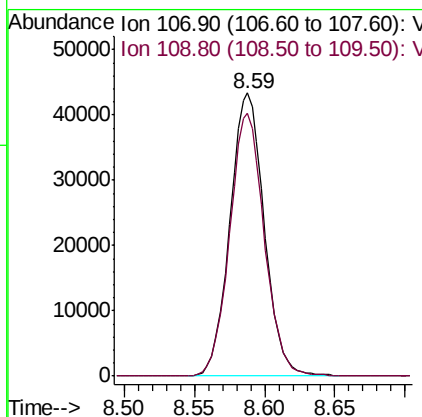
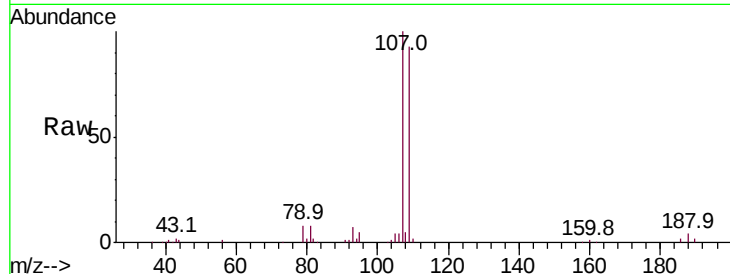
#61
 1,2-Dibromoethane
 Concen: 48.641 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027392.D
 Acq: 04 Oct 2018 08:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 73737
 Ion Ratio Lower Upper
 107 100
 109 93.5 74.5 111.7

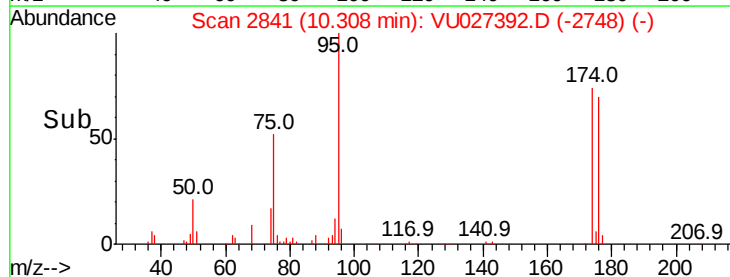
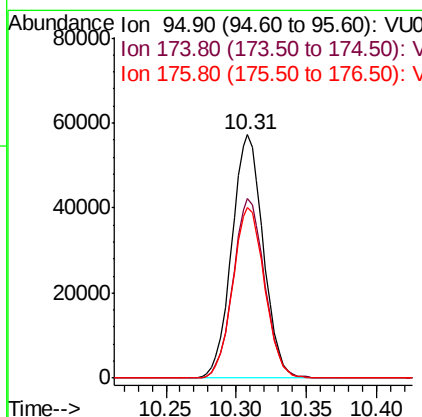
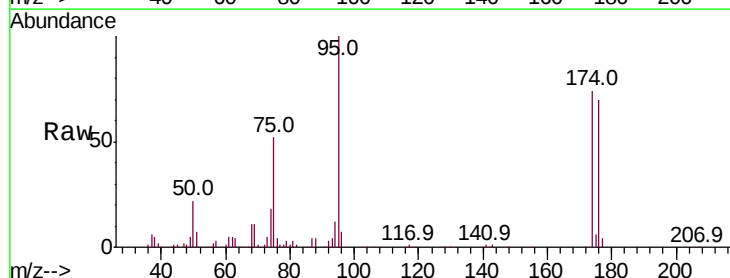
Manual Integrations
 APPROVED

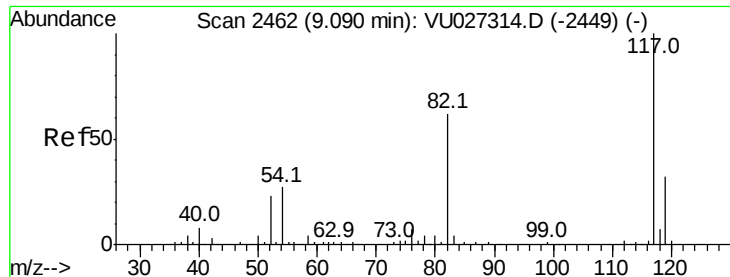
MMDadoda
 10/8/2018 1:52:28 PM



#62
 4-Bromofluorobenzene
 Concen: 48.776 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027392.D
 Acq: 04 Oct 2018 08:45

Tgt Ion: 95 Resp: 89317
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 147.8
 176 71.1 0.0 140.8





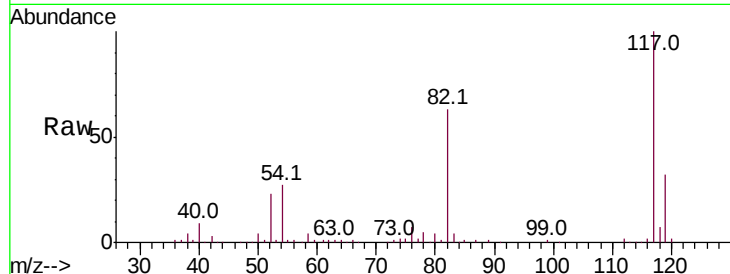
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	178074		
82	63.0	49.2	73.8	
119	32.3	25.7	38.5	

Manual Integrations
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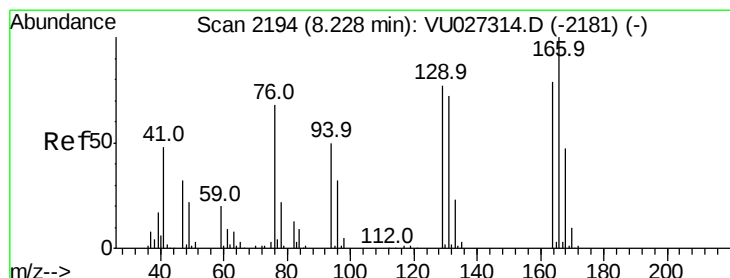
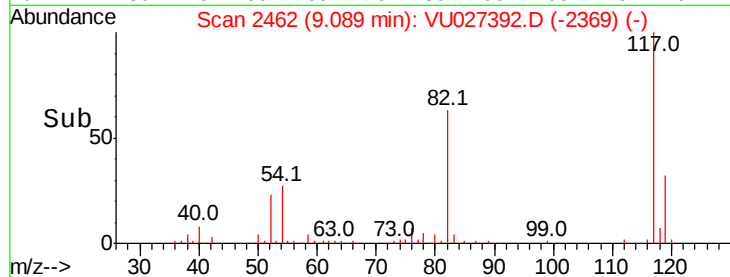
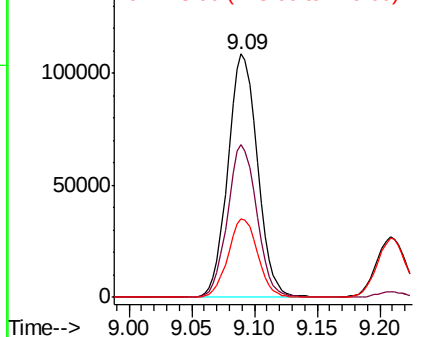


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 49.286 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54636		
166	127.3	101.0	151.6	
129	95.1	78.0	117.0	
131	92.8	72.6	109.0	

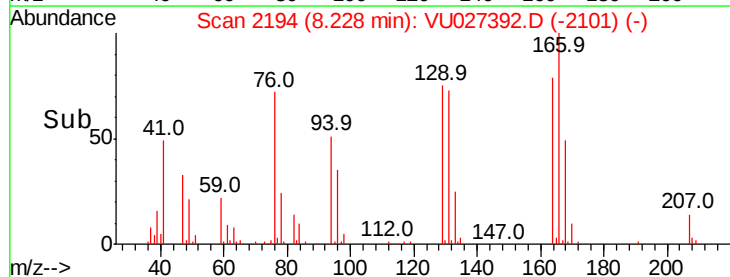
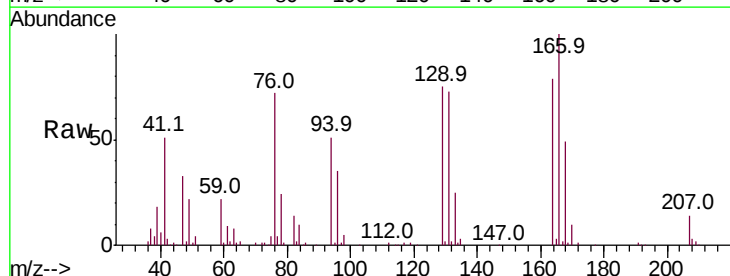
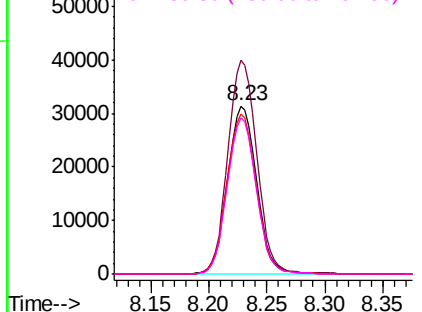
Abundance

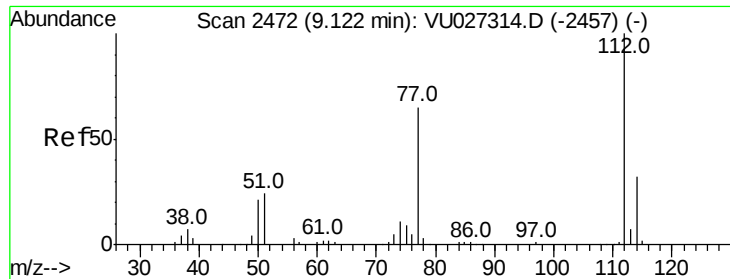
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.584 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 185856

Ion Ratio Lower Upper

112 100

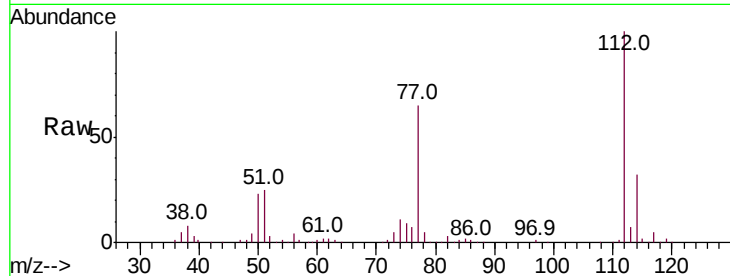
114 32.0 25.8 38.6

Manual Integrations

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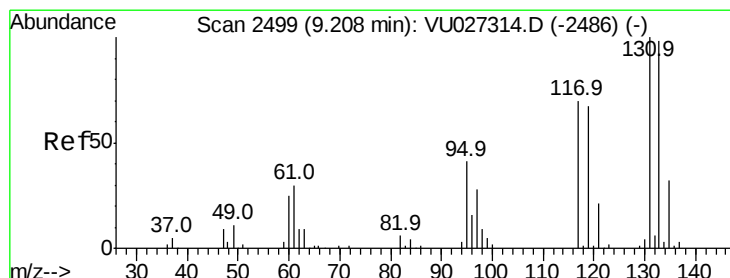
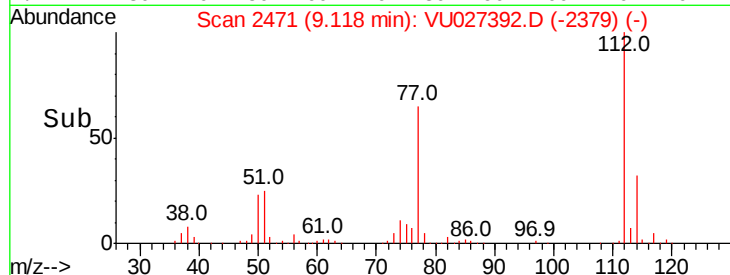
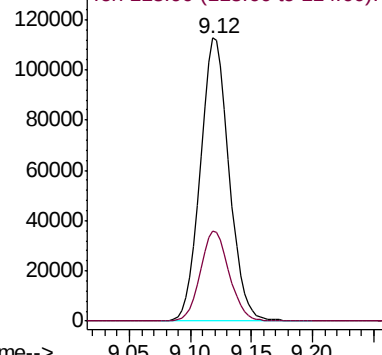
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.655 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

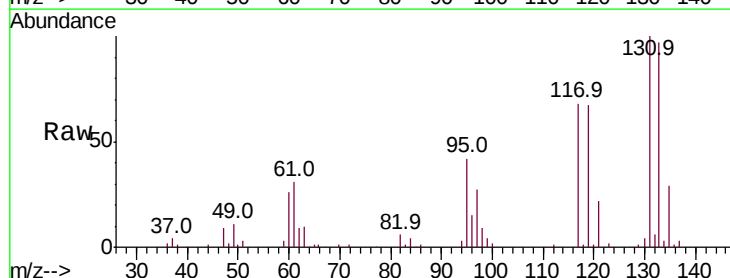
Tgt Ion:131 Resp: 65547

Ion Ratio Lower Upper

131 100

133 97.2 48.5 145.6

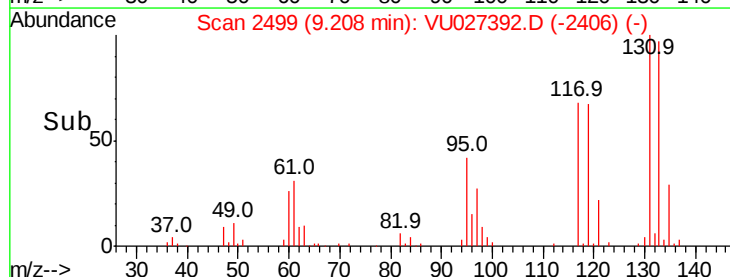
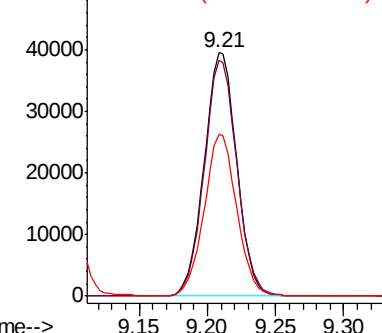
119 66.5 33.5 100.4

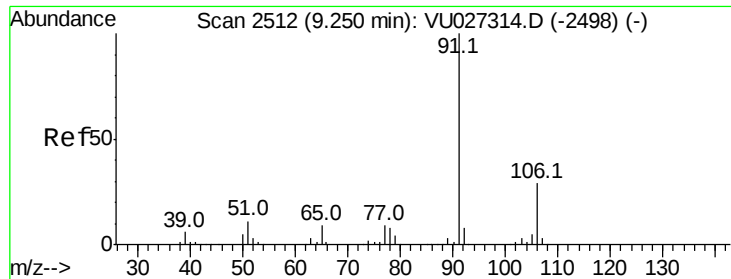


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





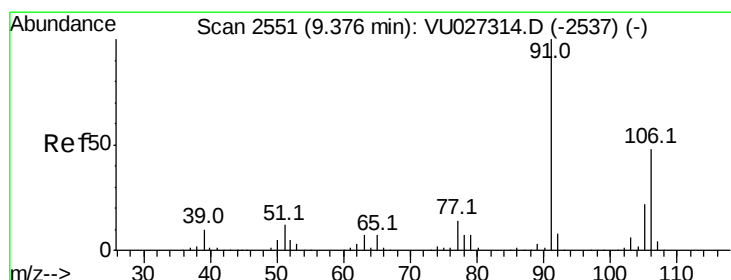
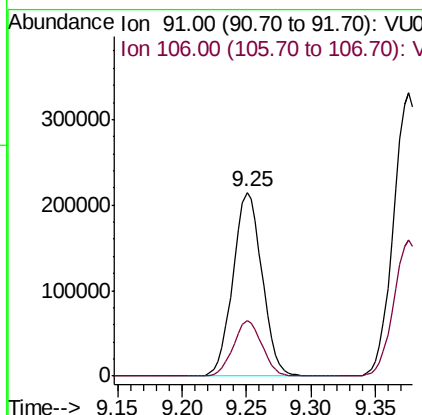
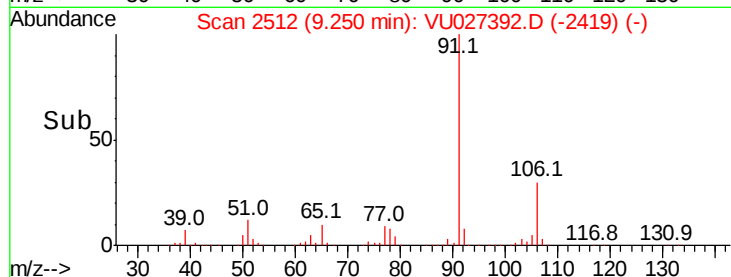
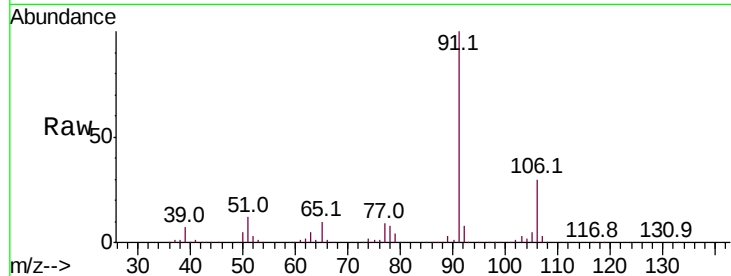
#67
Ethyl Benzene
Concen: 50.686 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 336607
Ion Ratio Lower Upper
91 100
106 30.1 23.6 35.4

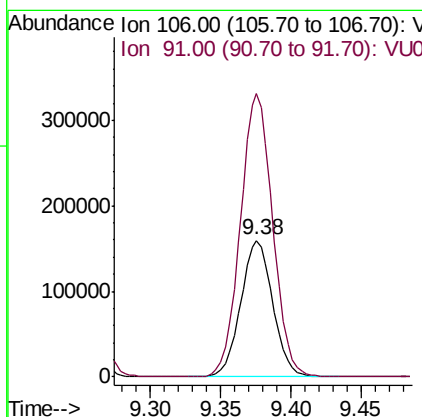
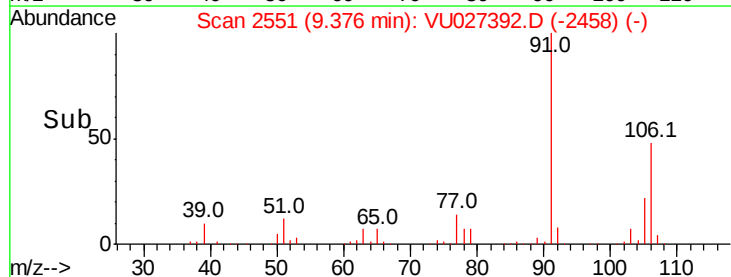
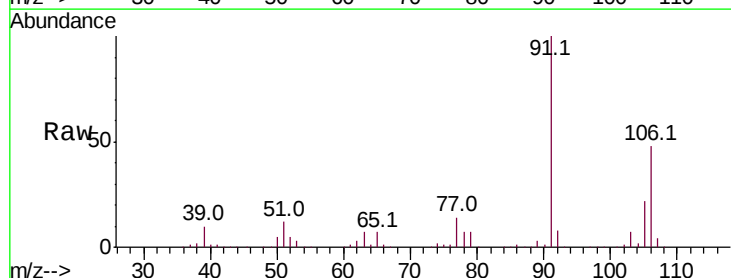
Manual Integrations
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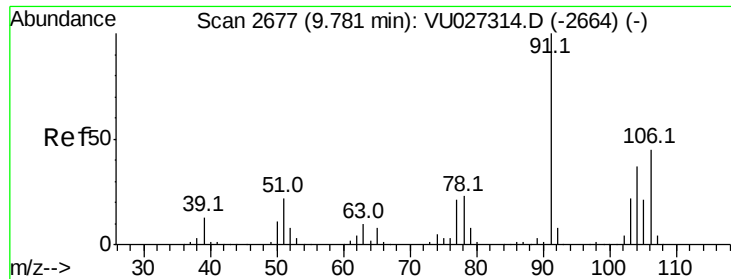
MMDadoda
10/8/2018 1:52:28 PM



#68
m/p-Xylenes
Concen: 104.160 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion: 106 Resp: 253022
Ion Ratio Lower Upper
106 100
91 210.4 168.1 252.1





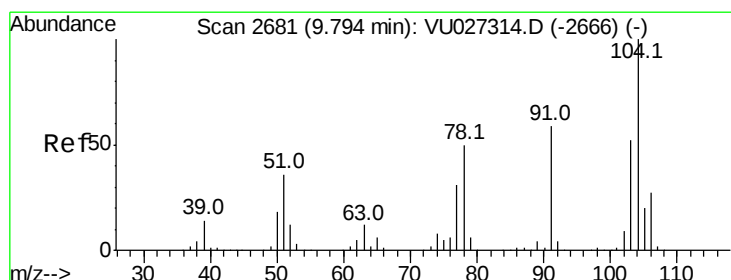
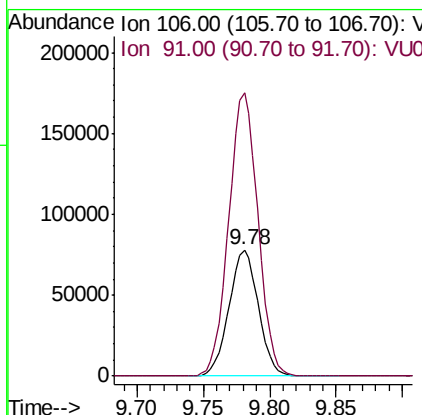
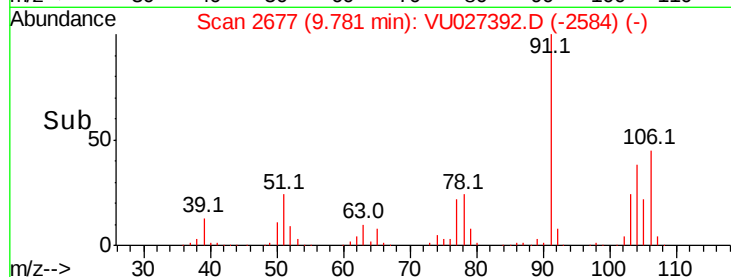
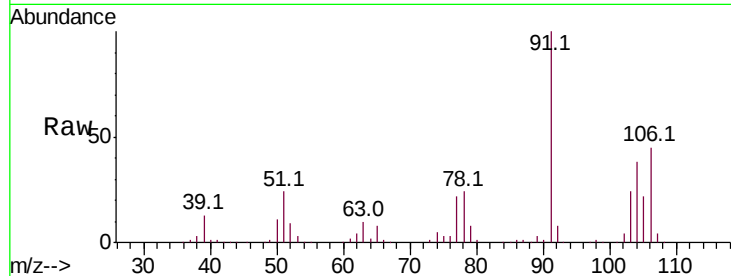
#69
o-Xylene
Concen: 51.962 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 119949
Ion Ratio Lower Upper
106 100
91 224.3 111.7 334.9

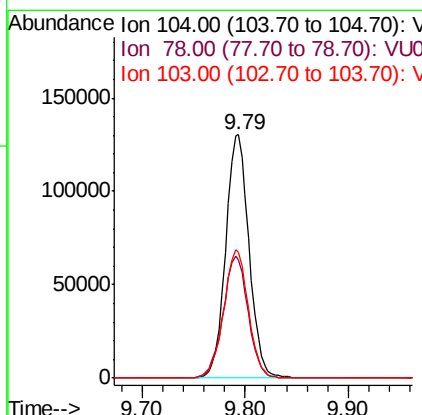
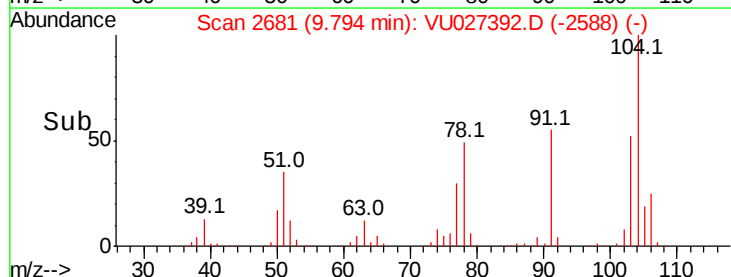
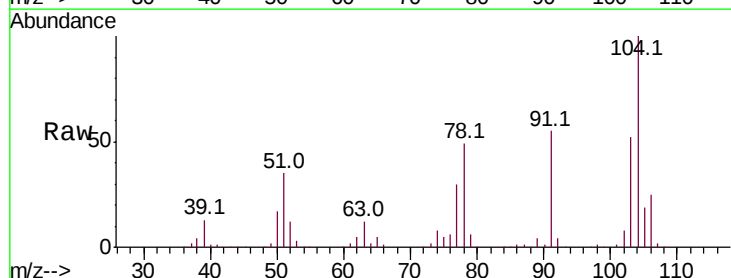
Manual Integrations
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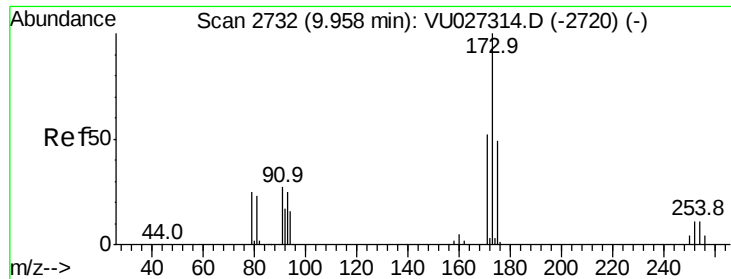
MMDadoda
10/8/2018 1:52:28 PM



#70
Styrene
Concen: 47.809 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion:104 Resp: 205843
Ion Ratio Lower Upper
104 100
78 53.9 42.9 64.3
103 55.5 43.9 65.9





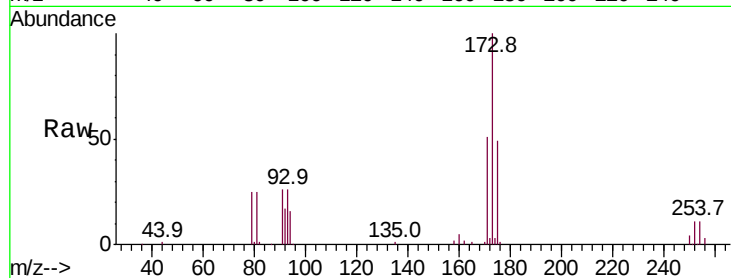
#71
Bromoform
Concen: 50.537 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	73.0
254	0.0	0.0	0.0

Manual Integrations
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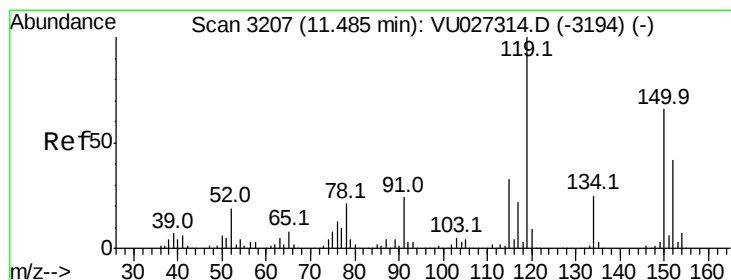
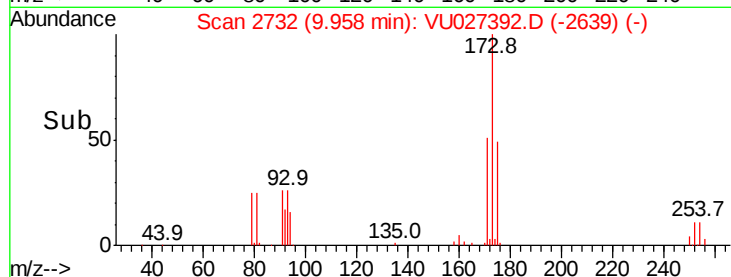
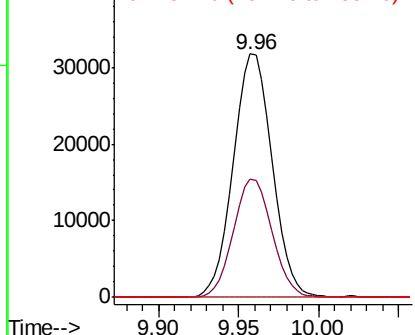


Abundance

Ion 172.70 (172.40 to 173.40): V

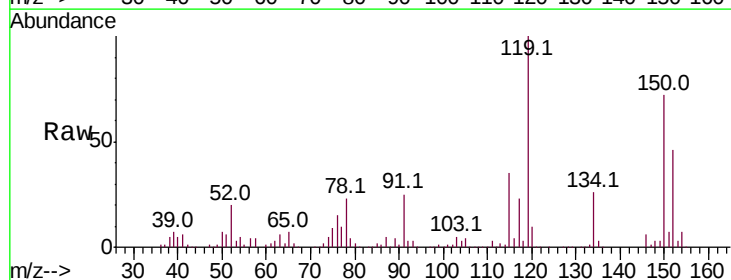
Ion 174.70 (174.40 to 175.40): V

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: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	84.4	43.4	130.2
150	172.0	0.0	349.2

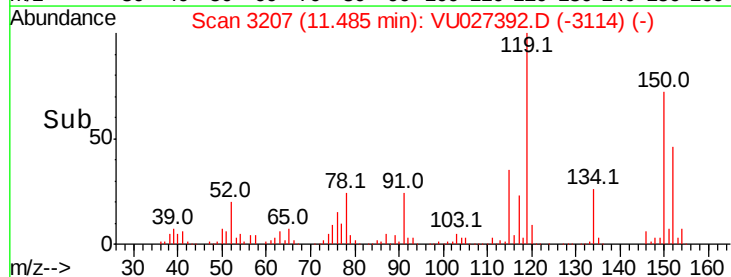
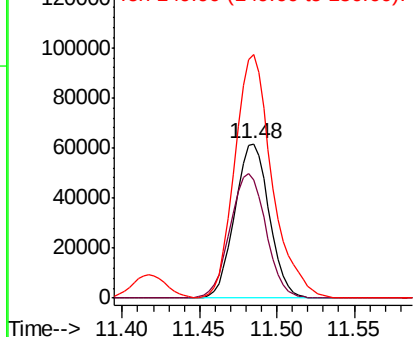


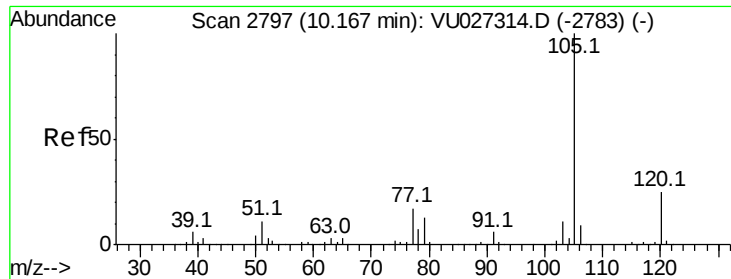
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





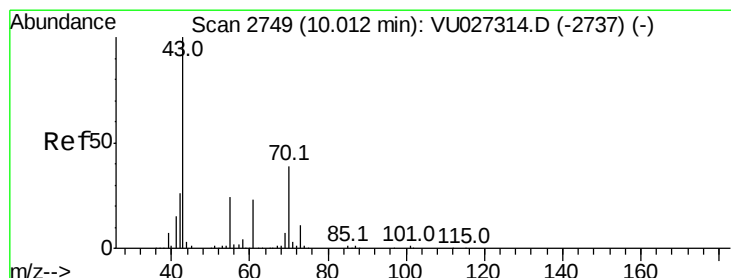
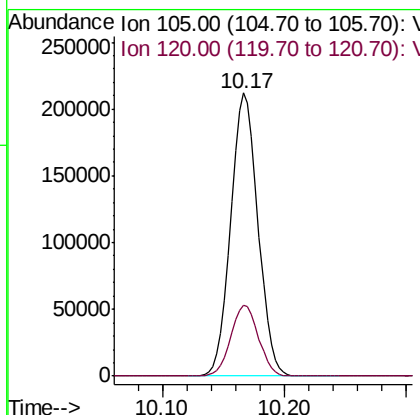
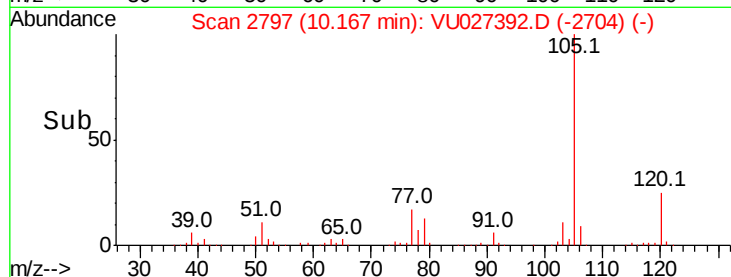
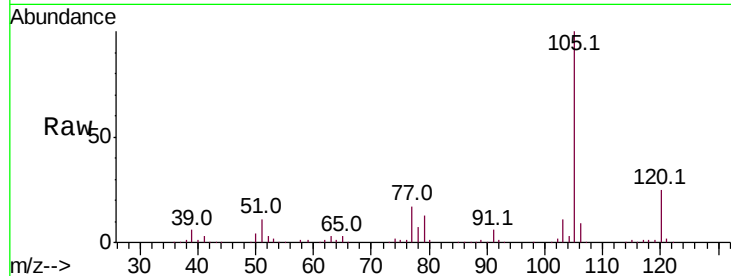
#73
Isopropylbenzene
Concen: 47.902 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 330179
Ion Ratio Lower Upper
105 100
120 25.4 12.6 37.8

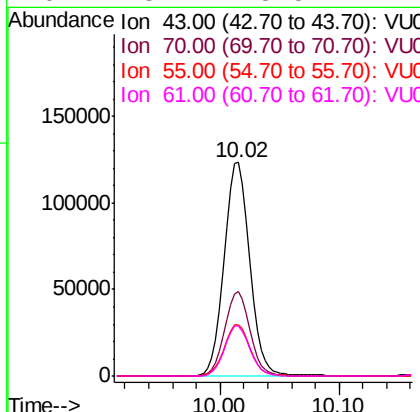
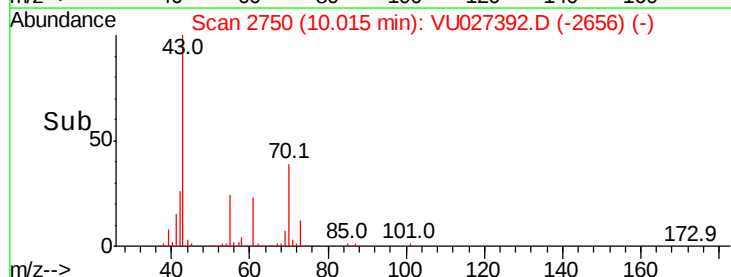
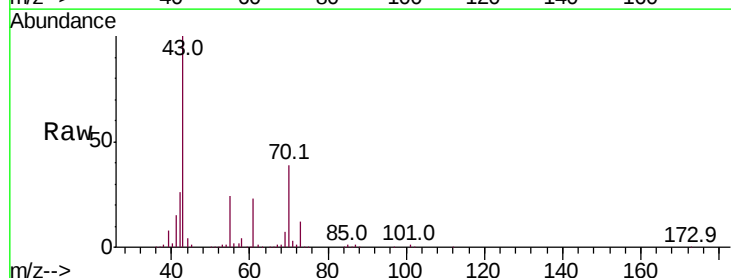
Manual Integrations
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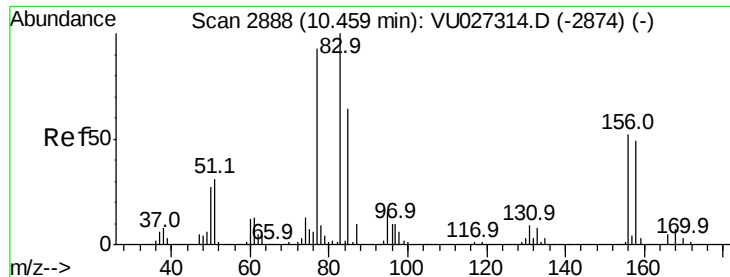
MMDadoda
10/8/2018 1:52:28 PM



#74
N-ethyl acetate
Concen: 46.773 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion: 43 Resp: 184565
Ion Ratio Lower Upper
43 100
70 39.1 31.3 46.9
55 24.5 19.0 28.6
61 23.2 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 45.482 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Instrument :

MSVOA_U

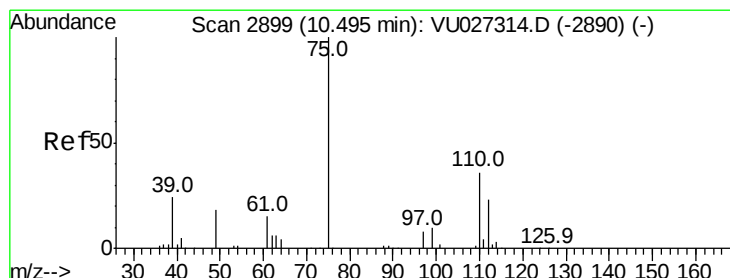
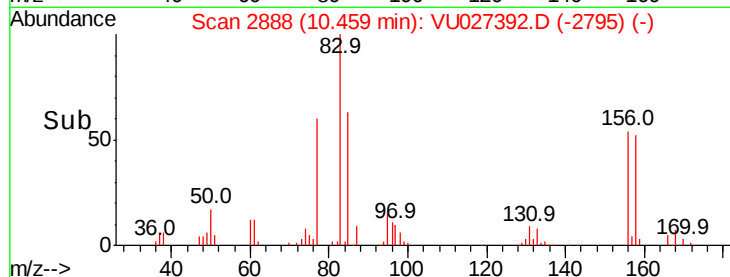
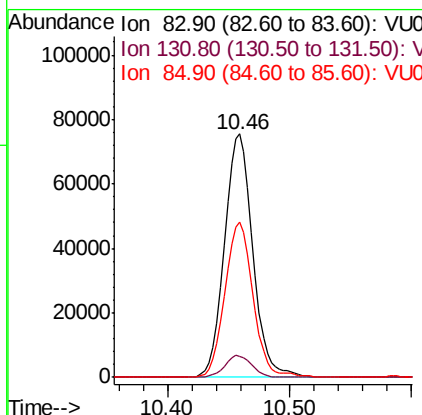
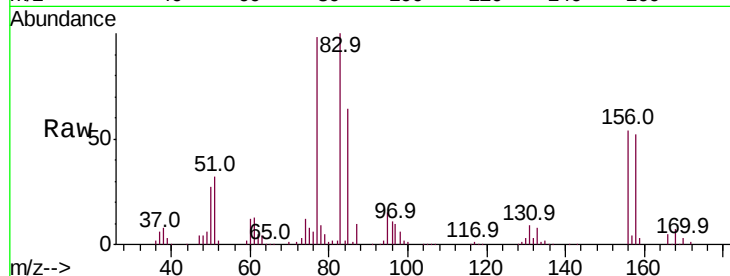
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	123097
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.4	13.2
85	63.6	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 42.961 ug/l m

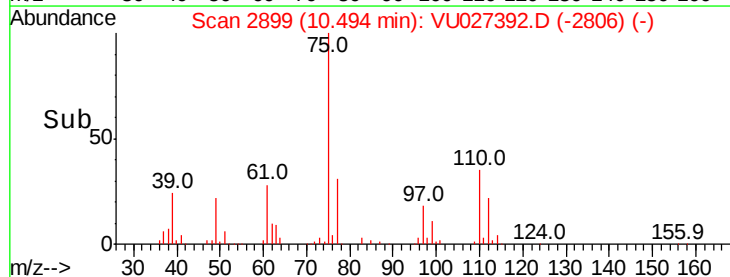
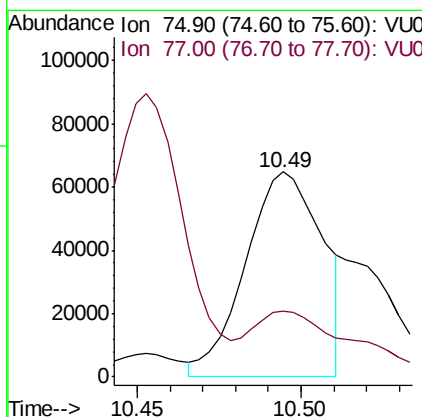
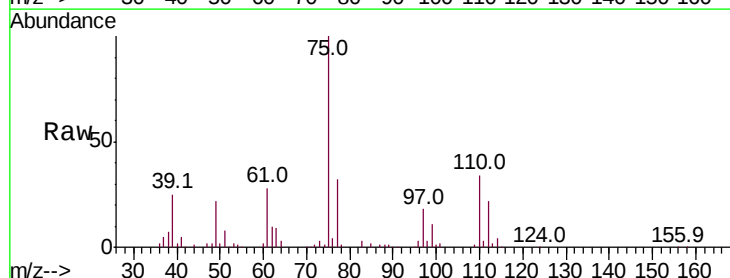
RT: 10.49 min Scan# 2899

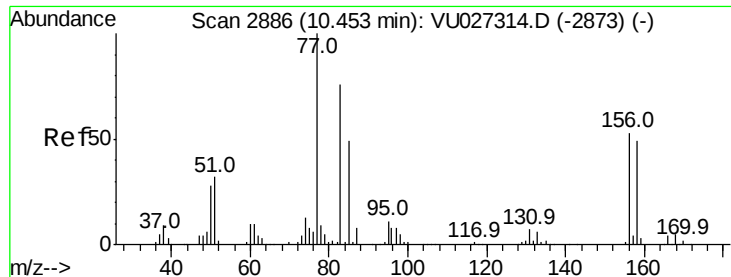
Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Tgt Ion:	75	Resp:	105690
Ion Ratio	Lower	Upper	
75	100		
77	43.5	20.3	60.9





#77

Bromobenzene

Concen: 47.246 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Instrument :

MSVOA_U

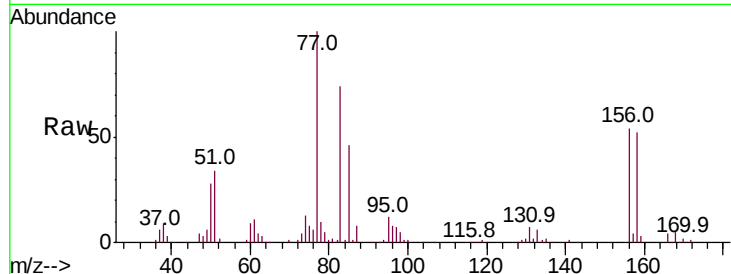
ClientSampleId :

VSTDCCC050

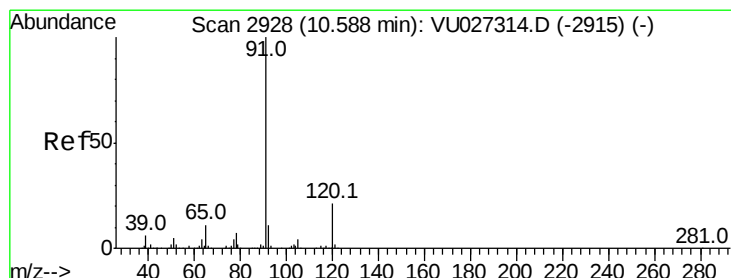
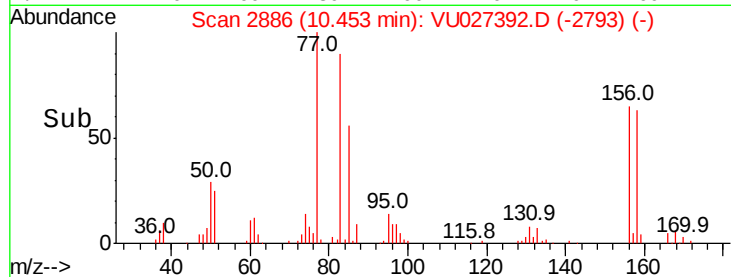
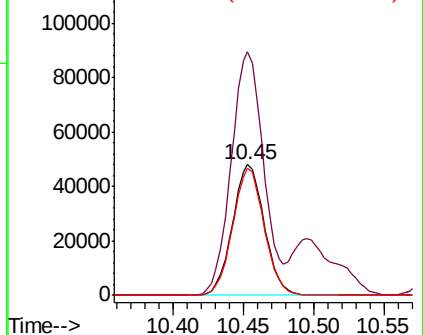
Tot Ion:	156	Resp:	75684
Ion	Ratio	Lower	Upper
156	100		
77	190.8	94.8	284.4
158	96.4	47.4	142.3

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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: 50.133 ug/l

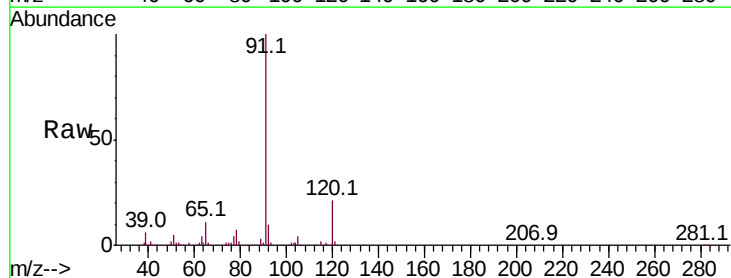
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

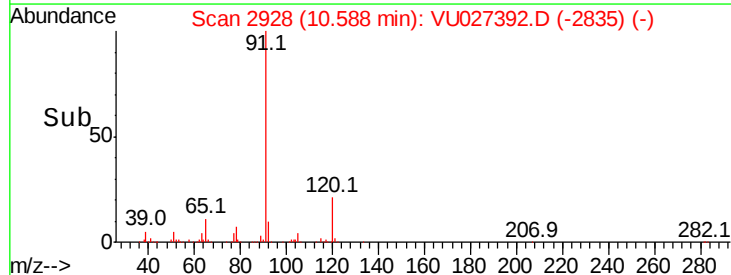
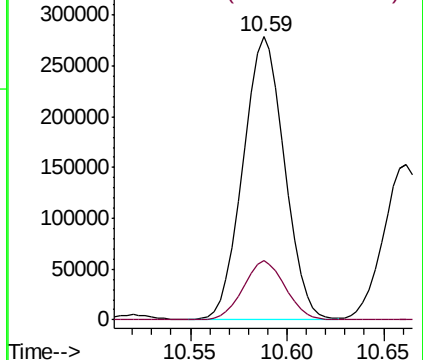
Lab File: VU027392.D

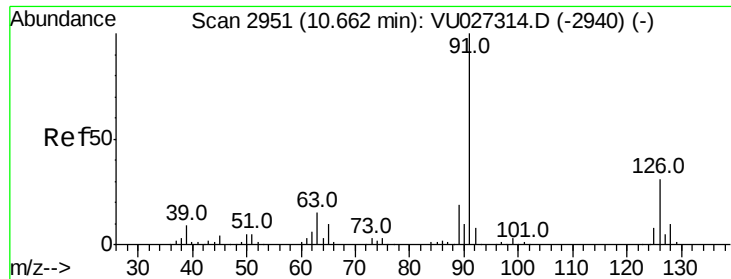
Acq: 04 Oct 2018 08:45

Tgt Ion:	91	Resp:	415225
Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.30): VU0
Ion 120.00 (119.70 to 120.30): V





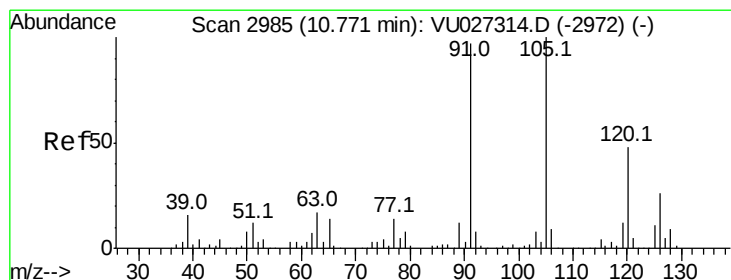
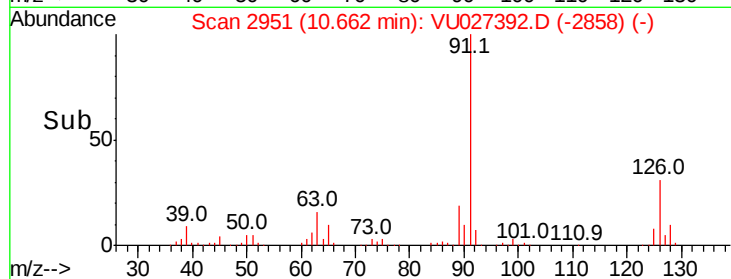
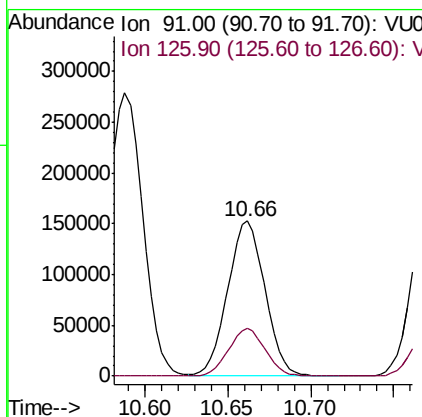
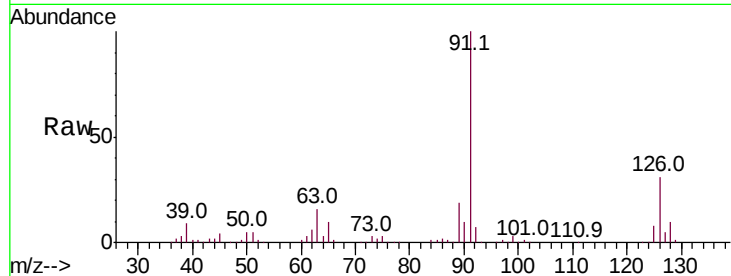
#79
2-Chlorotoluene
Concen: 47.516 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 237623
Ion Ratio Lower Upper
91 100
126 30.6 15.7 47.1

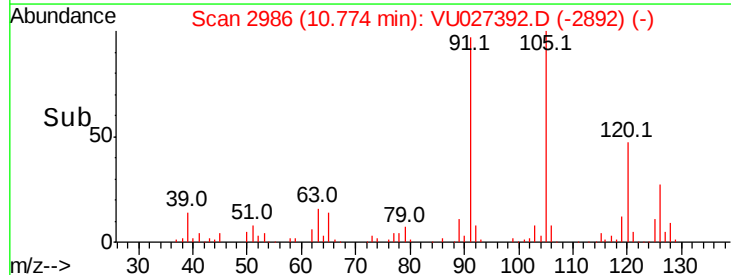
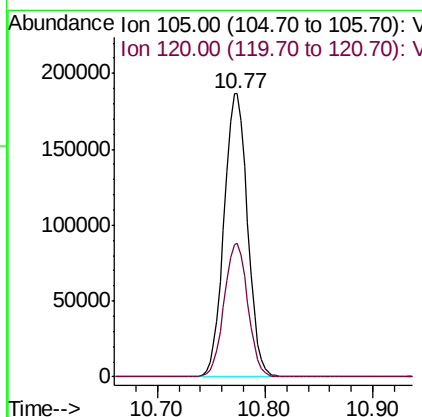
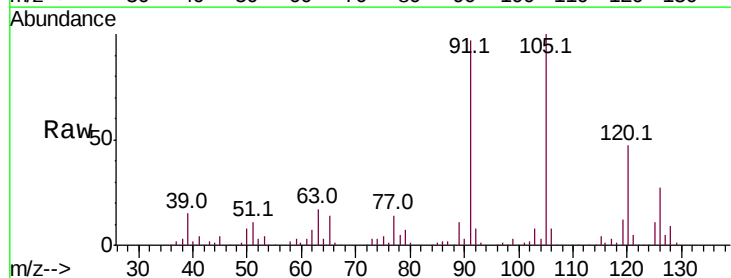
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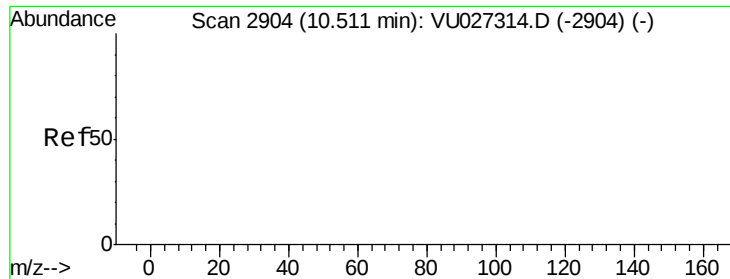
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#80
1,3,5-Trimethylbenzene
Concen: 50.539 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion: 105 Resp: 283613
Ion Ratio Lower Upper
105 100
120 47.4 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 44.908 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

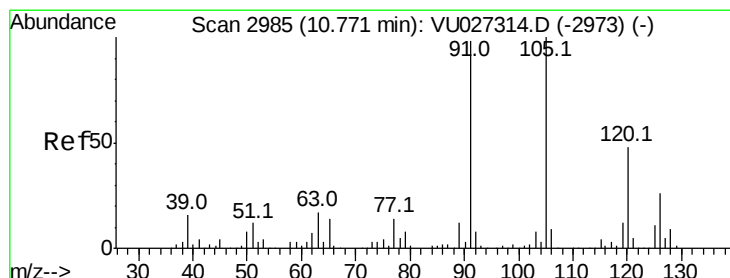
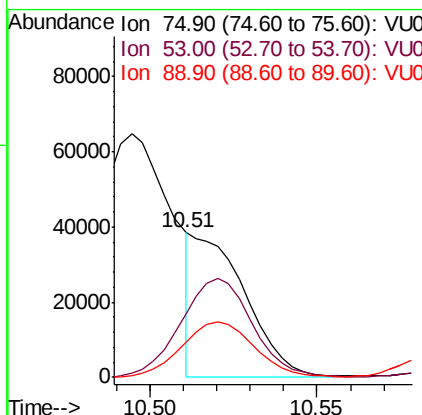
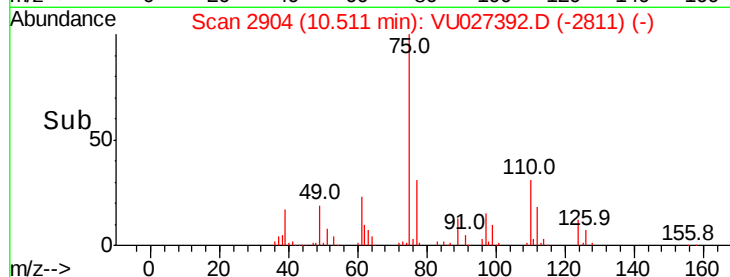
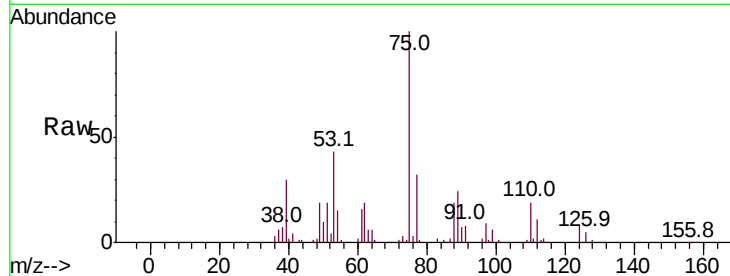
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 42214

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

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#82

4-Chlorotoluene

Concen: 49.527 ug/l

RT: 10.77 min Scan# 2985

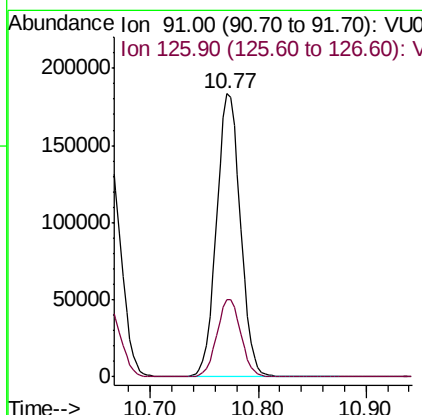
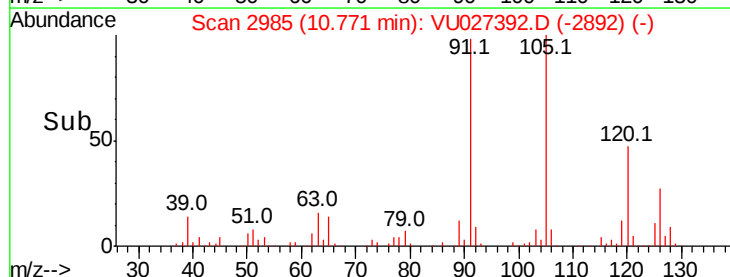
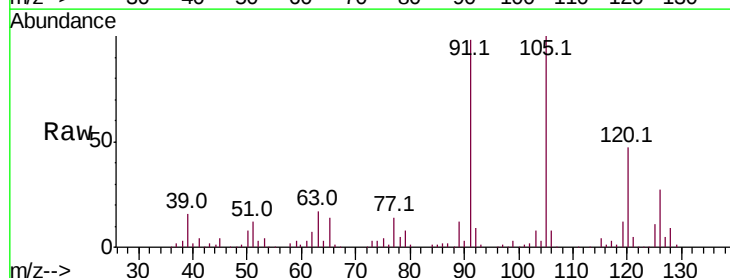
Delta R.T. -0.00 min

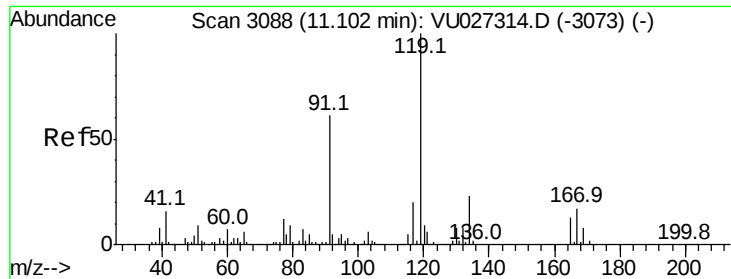
Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Tgt Ion: 91 Resp: 281067

Ion	Ratio	Lower	Upper
91	100		
126	27.6	13.6	40.8





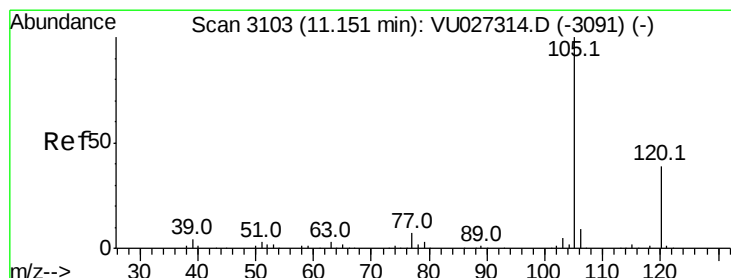
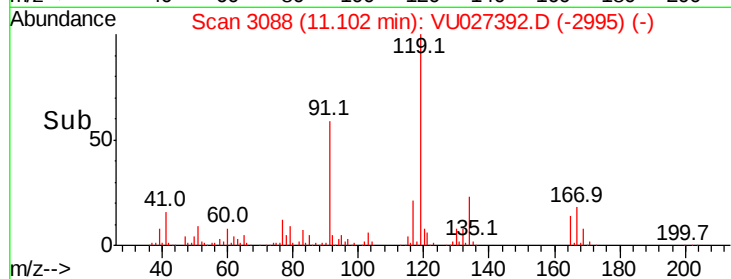
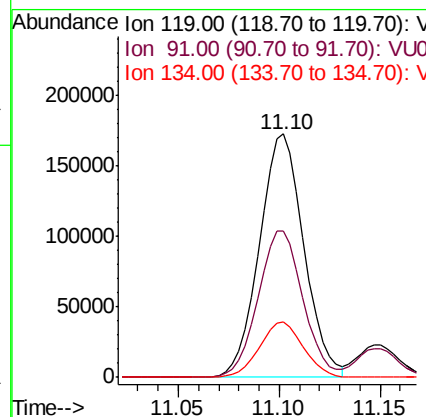
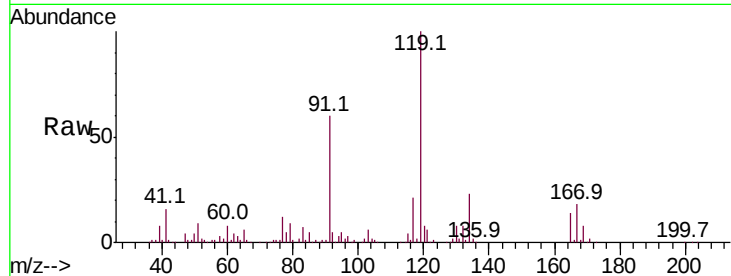
#83
tert-Butylbenzene
Concen: 48.912 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	30.3	91.0
134	22.6	11.5	34.4

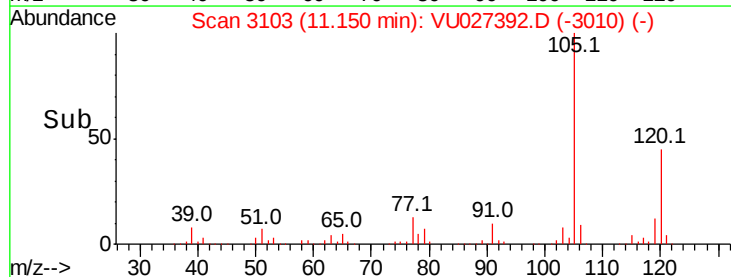
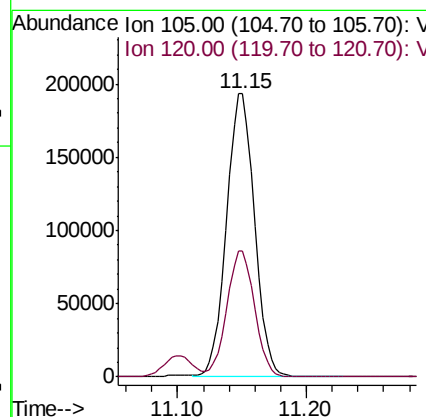
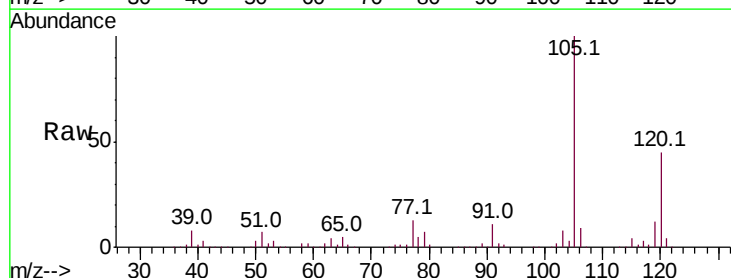
Manual Integrations
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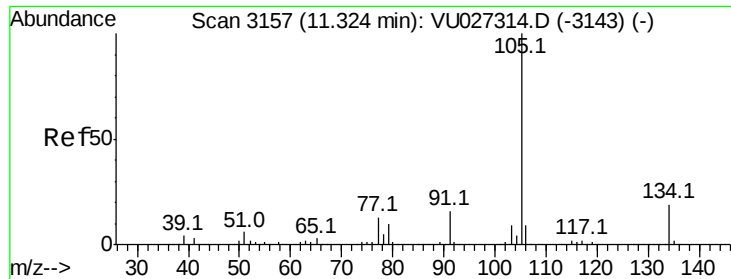
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.750 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5





#85

sec-Butylbenzene

Concen: 50.739 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 346826

Ion Ratio Lower Upper

105 100

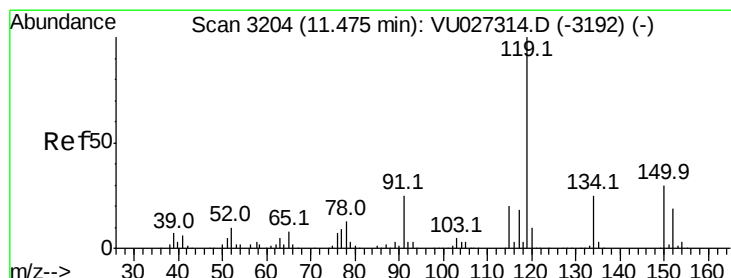
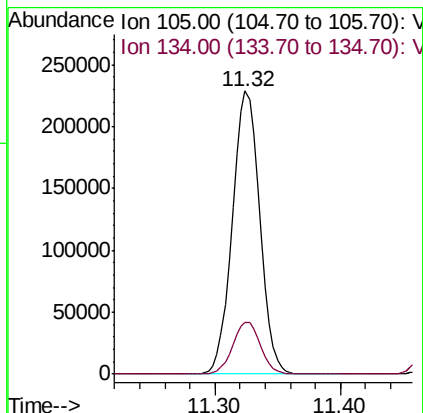
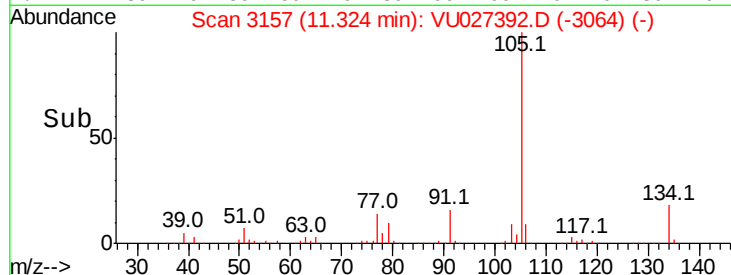
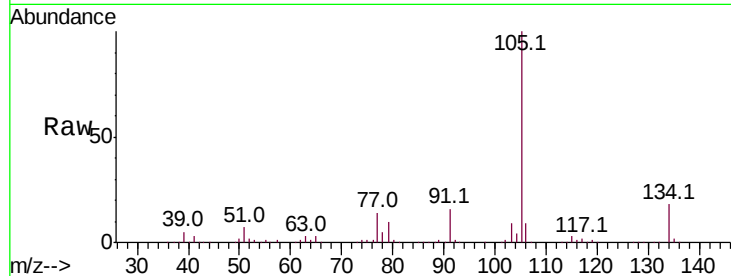
134 18.7 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.354 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

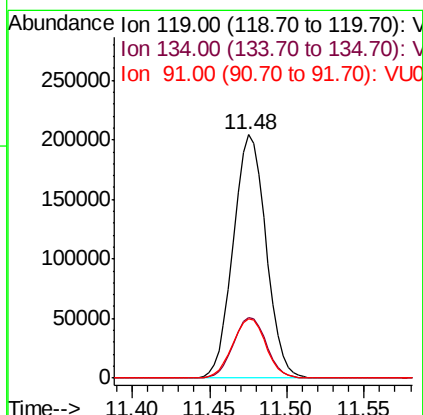
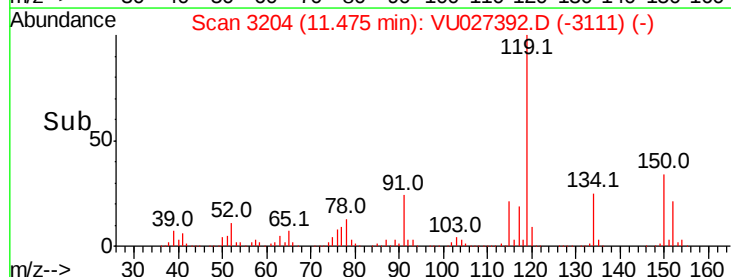
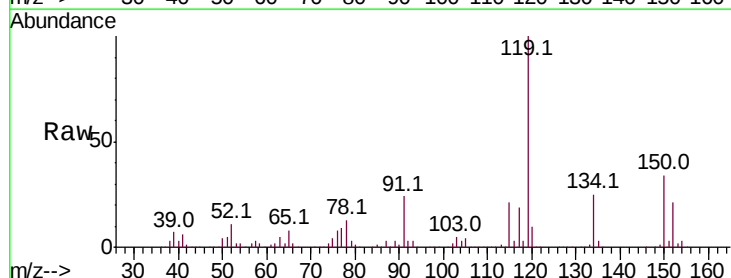
Tgt Ion:119 Resp: 300553

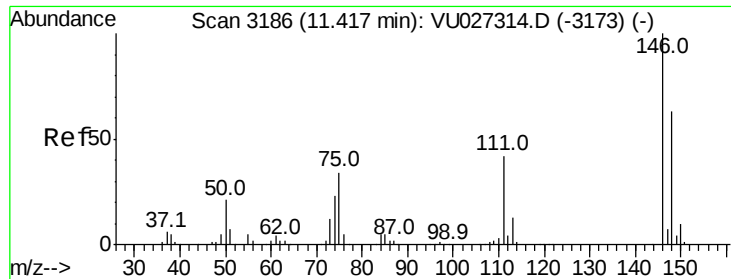
Ion Ratio Lower Upper

119 100

134 25.1 12.7 38.1

91 24.9 12.2 36.4





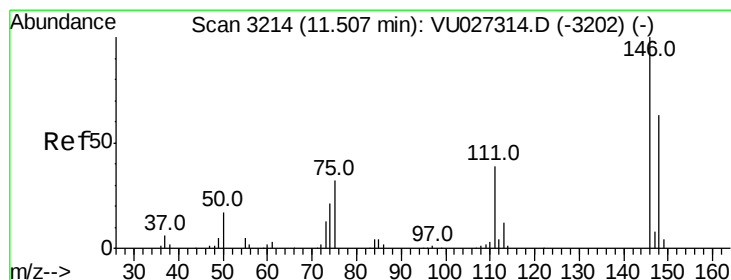
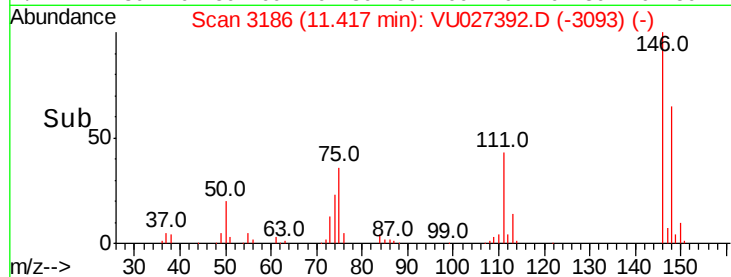
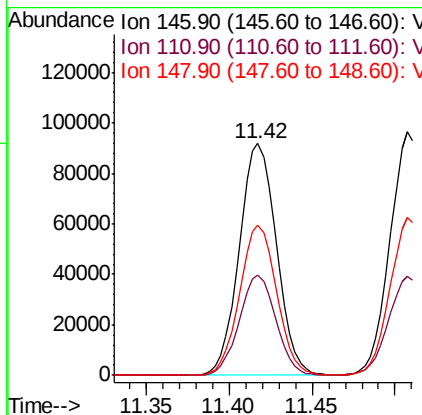
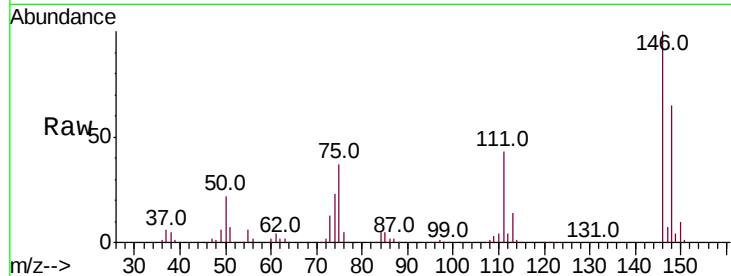
#87
 1,3-Dichlorobenzene
 Concen: 47.400 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027392.D
 Acq: 04 Oct 2018 08:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.8	62.5
148	64.5	31.6	94.8

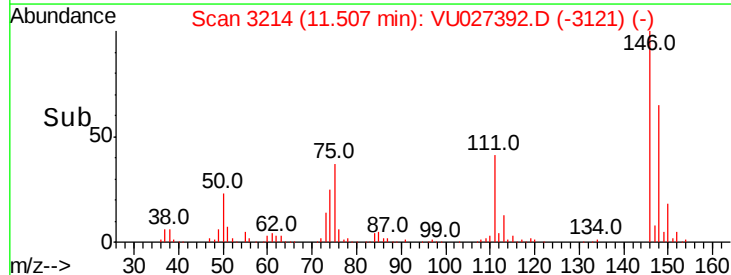
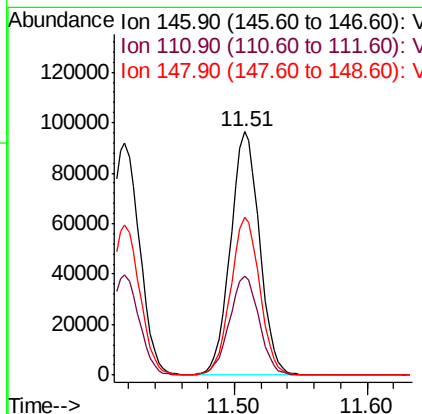
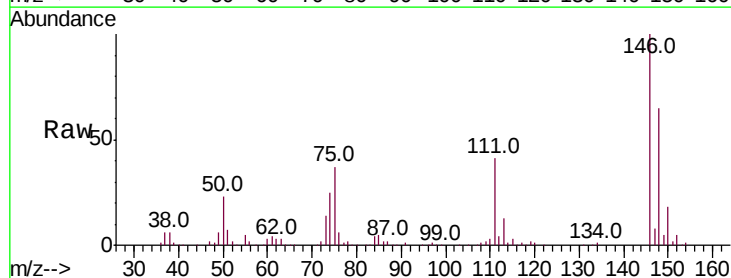
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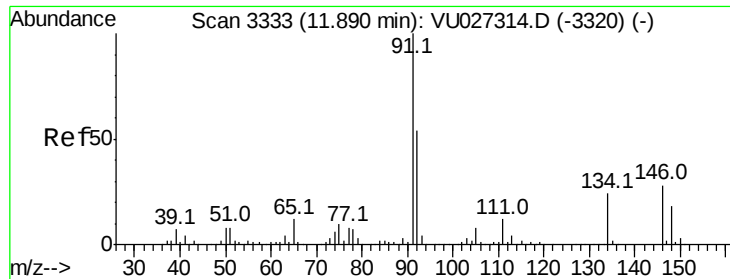
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#88
 1,4-Dichlorobenzene
 Concen: 47.283 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027392.D
 Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.4	61.2
148	65.1	31.9	95.5





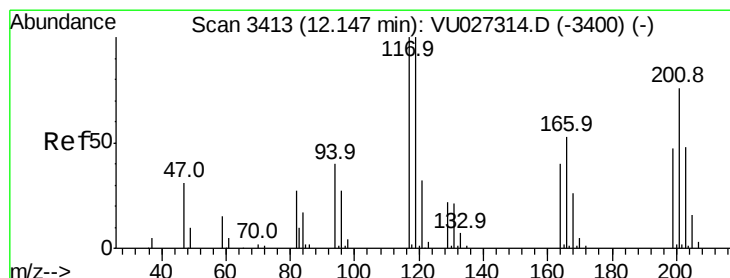
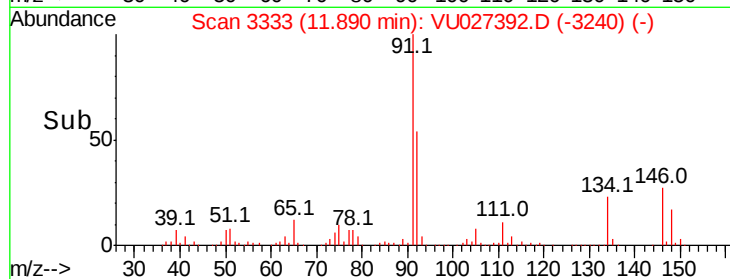
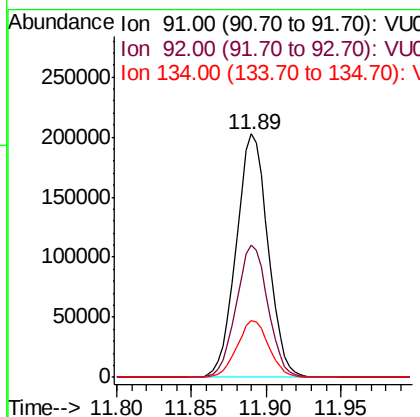
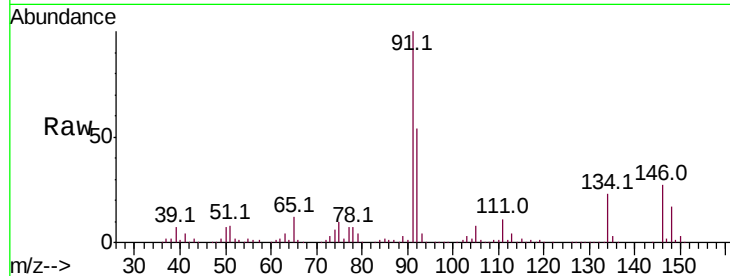
#89
n-Butylbenzene
Concen: 48.300 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	299546		
92	54.3		27.0	81.0
134	23.3		11.7	35.1

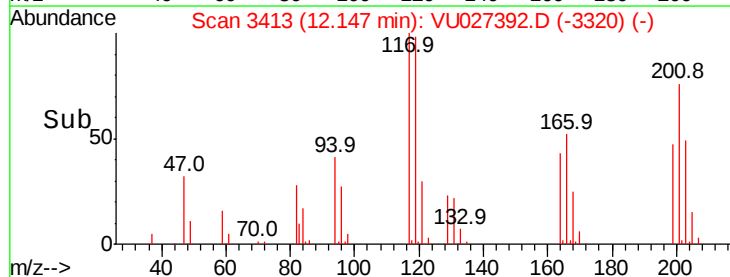
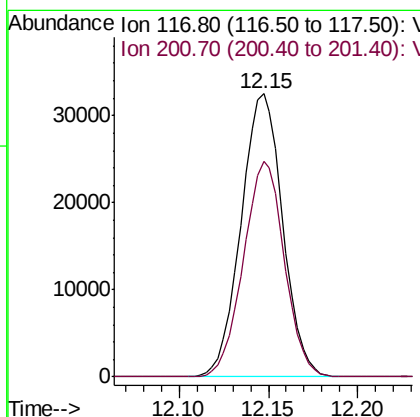
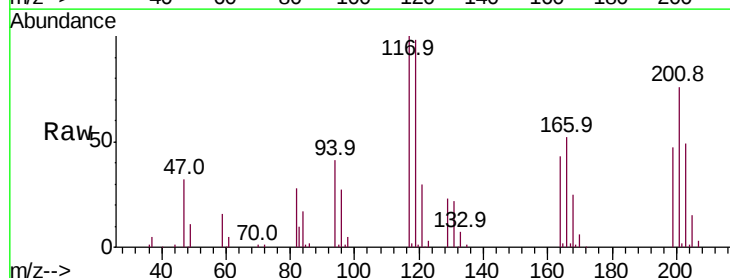
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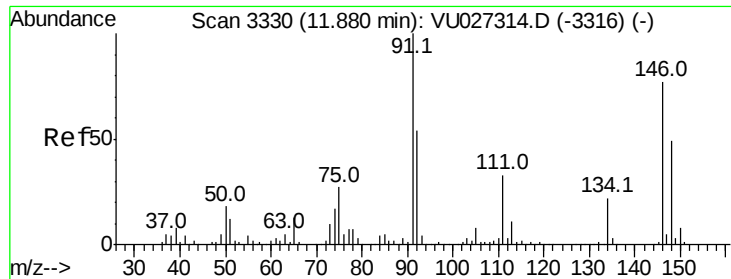
MMDadoda
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#90
Hexachloroethane
Concen: 47.855 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	52792		
201	74.9		37.9	113.6





#91

1,2-Dichlorobenzene

Concen: 47.628 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Instrument :

MSVOA_U

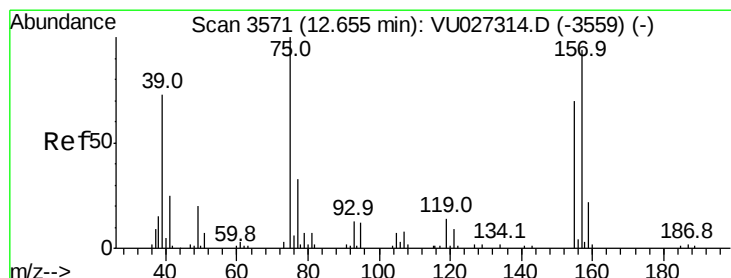
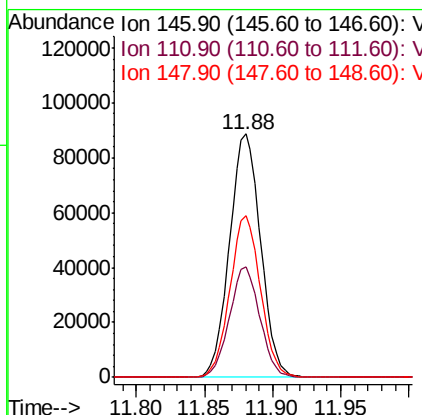
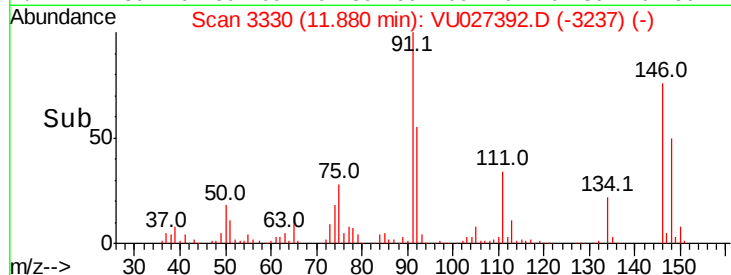
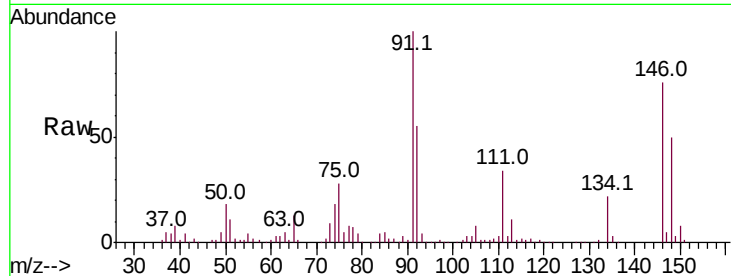
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	140624
Ion Ratio	Lower	Upper	
146	100		
111	44.1	21.8	65.4
148	65.1	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 46.240 ug/l

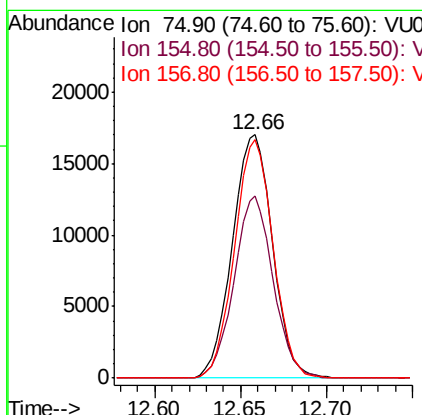
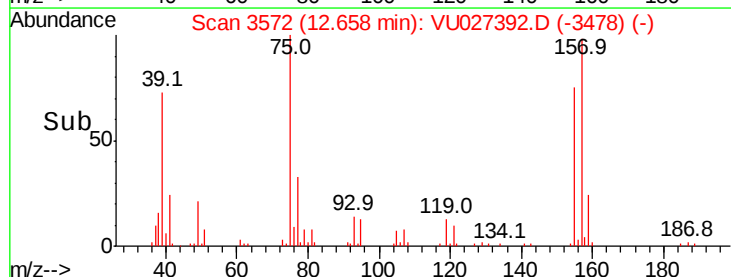
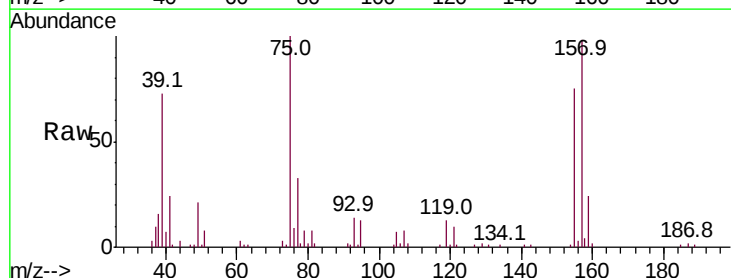
RT: 12.66 min Scan# 3572

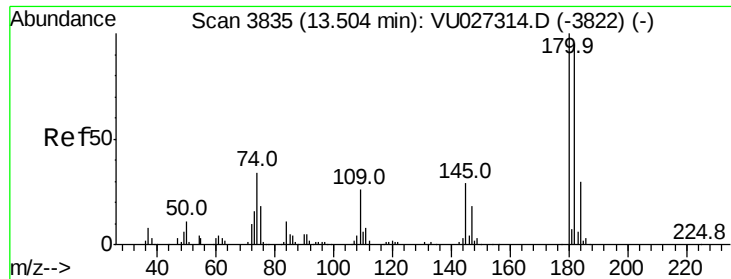
Delta R.T. 0.00 min

Lab File: VU027392.D

Acq: 04 Oct 2018 08:45

Tgt Ion:	75	Resp:	27736
Ion Ratio	Lower	Upper	
75	100		
155	72.6	35.9	107.8
157	93.7	46.9	140.6





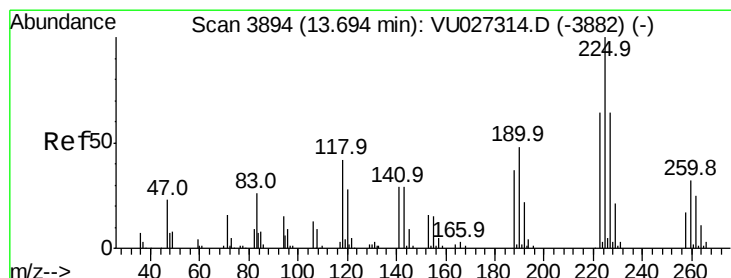
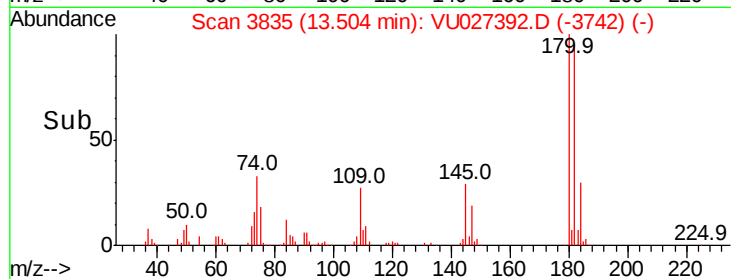
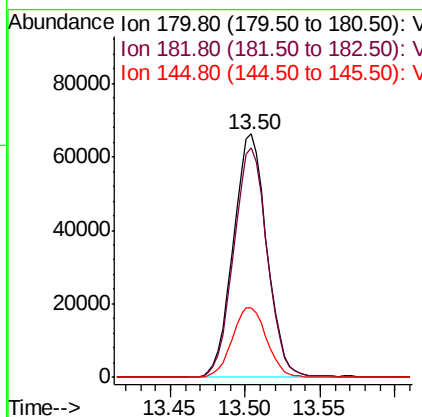
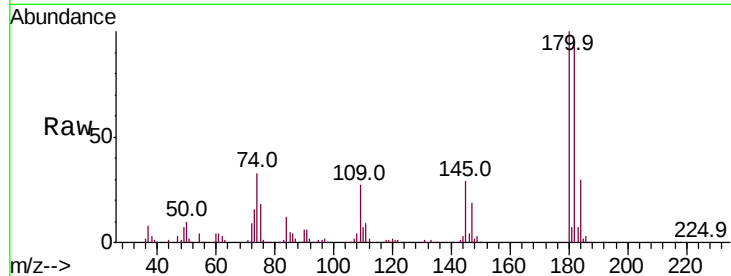
#93
 1,2,4-Trichlorobenzene
 Concen: 54.174 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027392.D
 Acq: 04 Oct 2018 08:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.9	47.4	142.3	
145	29.3	14.6	44.0	

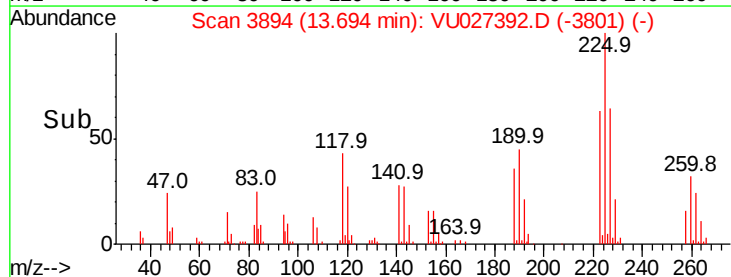
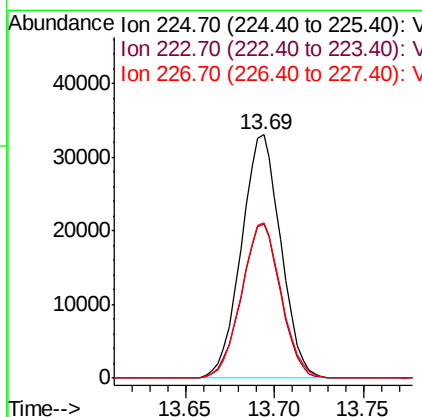
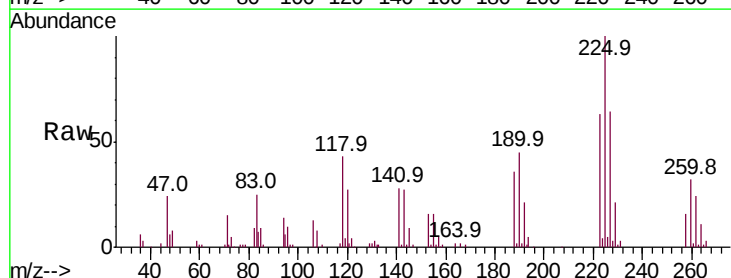
Manual Integrations
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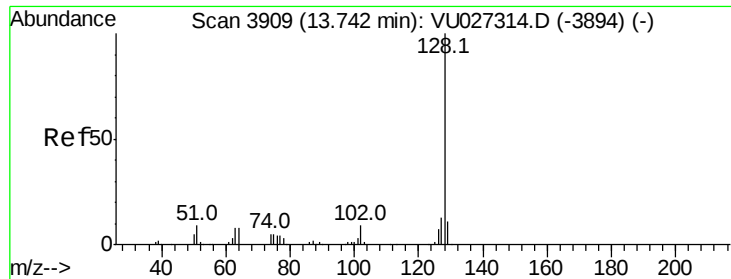
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#94
 Hexachlorobutadiene
 Concen: 52.960 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027392.D
 Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.8	95.3	
227	64.1	31.9	95.7	





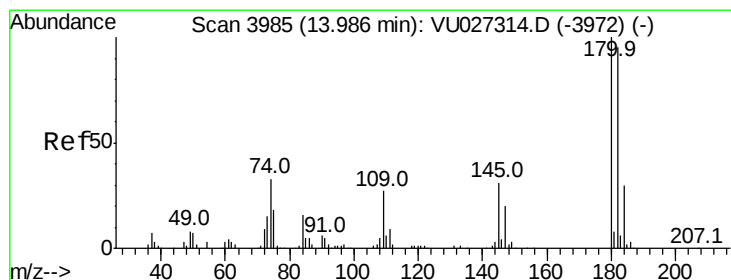
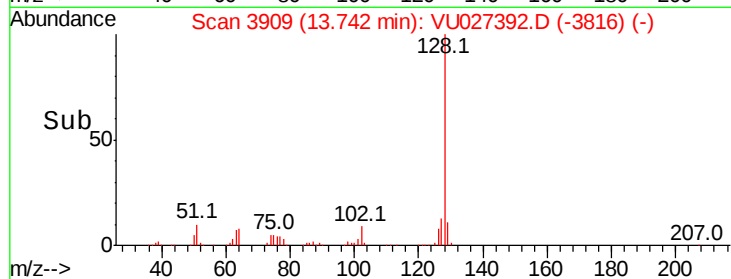
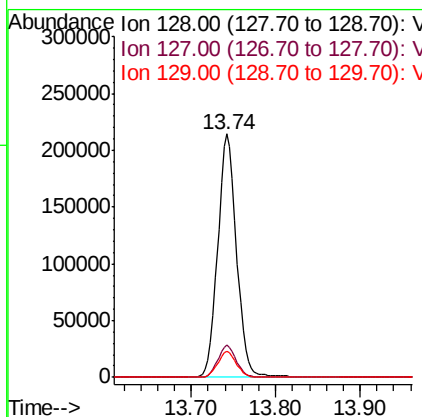
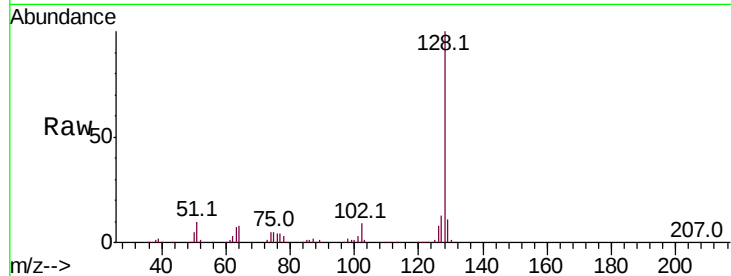
#95
Naphthalene
Concen: 46.546 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	333118		
127	13.1		10.5	15.7
129	10.5		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.908 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU027392.D
Acq: 04 Oct 2018 08:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	105308		
182	94.8		47.4	142.2
145	31.7		15.9	47.7

