

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027609.D
 Acq On : 11 Oct 2018 19:14
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:22:43 PM

Quant Time: Oct 12 09:46:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:38:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	118534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	208006	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	192066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94412	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	89665	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	4.88	113	65296	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
50) Toluene-d8	7.57	98	250987	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	10.31	95	91972	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	62525	48.50	ug/l	99
3) Chloromethane	1.33	50	98765	48.90	ug/l	98
4) Vinyl Chloride	1.40	62	96767	50.98	ug/l	99
5) Bromomethane	1.62	94	47755	46.34	ug/l	100
6) Chloroethane	1.69	64	55475	45.95	ug/l	98
7) Trichlorofluoromethane	1.88	101	102721	48.43	ug/l	99
8) Diethyl Ether	2.11	74	48195	50.37	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	59734	48.17	ug/l	99
10) Methyl Iodide	2.41	142	60288	42.23	ug/l	100
11) Tert butyl alcohol	2.83	59	104159	232.90	ug/l	100
12) 1,1-Dichloroethene	2.28	96	59543	48.95	ug/l	99
13) Acrolein	2.20	56	83552	235.49	ug/l	99
14) Allyl chloride	2.59	41	139646	47.32	ug/l	97
15) Acrylonitrile	2.94	53	277038	260.58	ug/l	99
16) Acetone	2.32	43	235335	210.38	ug/l	100
17) Carbon Disulfide	2.48	76	193588	46.42	ug/l	100
18) Methyl Acetate	2.62	43	138451	49.50	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	249756	53.35	ug/l	98
20) Methylene Chloride	2.70	84	75243	47.52	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	68887	51.23	ug/l	99
22) Diisopropyl ether	3.58	45	295122	52.21	ug/l	98
23) Vinyl Acetate	3.53	43	1297341	271.36	ug/l	99
24) 1,1-Dichloroethane	3.45	63	152610	51.00	ug/l	100
25) 2-Butanone	4.27	43	405329	255.71	ug/l	100
26) 2,2-Dichloropropane	4.23	77	109727	45.75	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	77843	52.21	ug/l	98
28) Bromochloromethane	4.55	49	76405	51.75	ug/l	97
29) Tetrahydrofuran	4.64	42	262179	263.74	ug/l	98
30) Chloroform	4.67	83	136077	51.15	ug/l	99
31) Cyclohexane	5.00	56	139477	49.03	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	115458	51.45	ug/l	98
36) 1,1-Dichloropropene	5.14	75	107367	50.81	ug/l	99
37) Ethyl Acetate	4.39	43	148415	48.96	ug/l	100
38) Carbon Tetrachloride	5.14	117	95851	49.20	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	120447	50.53	ug/l	97
40) Benzene	5.39	78	315280	49.34	ug/l	100
41) Methacrylonitrile	4.55	41	82237	48.84	ug/l	100
42) 1,2-Dichloroethane	5.40	62	116935	49.51	ug/l	99
43) Isopropyl Acetate	5.55	43	227652	51.89	ug/l	99
44) Trichloroethene	6.19	130	70233	49.80	ug/l	99
45) 1,2-Dichloropropane	6.43	63	90679	49.87	ug/l	99
46) Dibromomethane	6.56	93	53203	49.71	ug/l	98
47) Bromodichloromethane	6.76	83	107599	49.98	ug/l	97
48) Methyl methacrylate	6.62	41	114122	47.53	ug/l	99
49) 1,4-Dioxane	6.61	88	39301	936.25	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	756244	256.40	ug/l	99
52) Toluene	7.64	92	185769	50.82	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	125607	51.24	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	133459	50.03	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	76531	50.74	ug/l	98
56) Ethyl methacrylate	8.02	69	131654	47.42	ug/l	98
57) 1,3-Dichloropropane	8.24	76	143692	50.15	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	376304	243.28	ug/l	99
59) 2-Hexanone	8.36	43	584570	254.06	ug/l	99
60) Dibromochloromethane	8.48	129	76322	50.63	ug/l	100
61) 1,2-Dibromoethane	8.59	107	79820	50.26	ug/l	100
64) Tetrachloroethene	8.23	164	59855	50.17	ug/l	99
65) Chlorobenzene	9.12	112	195425	49.05	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	69490	51.01	ug/l	99
67) Ethyl Benzene	9.25	91	352434	51.57	ug/l	99
68) m/p-Xylenes	9.38	106	263747	105.70	ug/l	99
69) o-Xylene	9.78	106	127853	52.71	ug/l	97
70) Styrene	9.79	104	213304	47.74	ug/l	100
71) Bromoform	9.96	173	57775	51.02	ug/l #	100
73) Isopropylbenzene	10.17	105	340018	53.49	ug/l	99
74) N-amyl acetate	10.02	43	205459	54.80	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	133295	48.75	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	114310m	48.53	ug/l	
77) Bromobenzene	10.45	156	79548	51.09	ug/l	96
78) n-propylbenzene	10.59	91	414852	53.77	ug/l	100
79) 2-Chlorotoluene	10.66	91	243987	51.55	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	285537	50.77	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	48159m	45.59	ug/l	
82) 4-Chlorotoluene	10.77	91	280929	53.12	ug/l	98
83) tert-Butylbenzene	11.10	119	274646	52.89	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	294319	50.75	ug/l	99
85) sec-Butylbenzene	11.32	105	344868	50.33	ug/l	100
86) p-Isopropyltoluene	11.48	119	298974	50.20	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	145715	50.40	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	148522	48.53	ug/l	100
89) n-Butylbenzene	11.89	91	281754	49.58	ug/l	100
90) Hexachloroethane	12.15	117	51578	49.09	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	146927	50.40	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30696	51.35	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	101700	50.33	ug/l	100
94) Hexachlorobutadiene	13.69	225	46685	49.91	ug/l	99
95) Naphthalene	13.74	128	357134	51.02	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	104137	54.25	ug/l	97

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

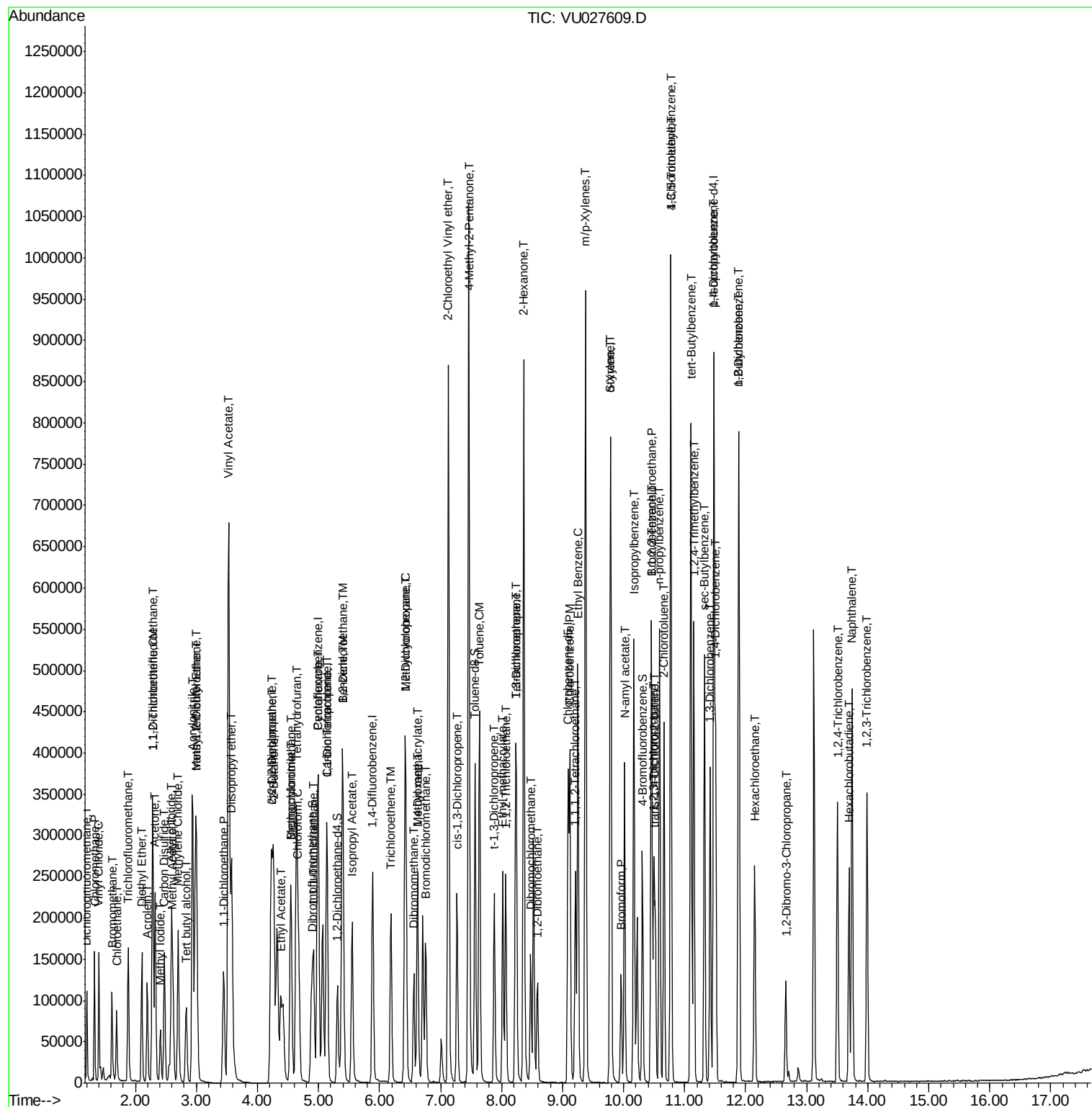
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027609.D
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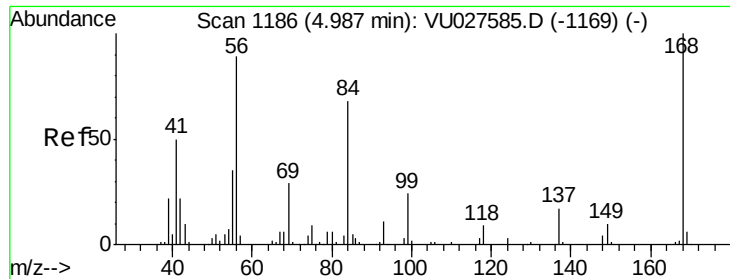
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 118534

Ion Ratio Lower Upper

168 100

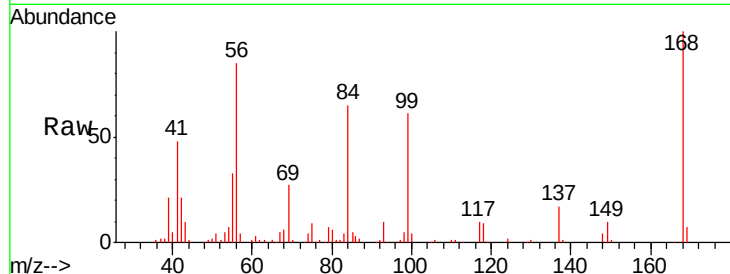
99 59.9 50.8 76.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027585.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027585.D (-1169) (-)

4.99

60000

50000

40000

30000

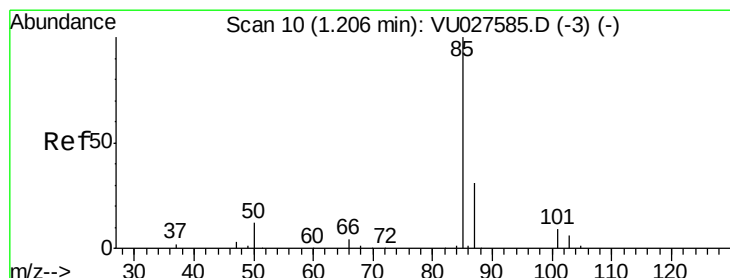
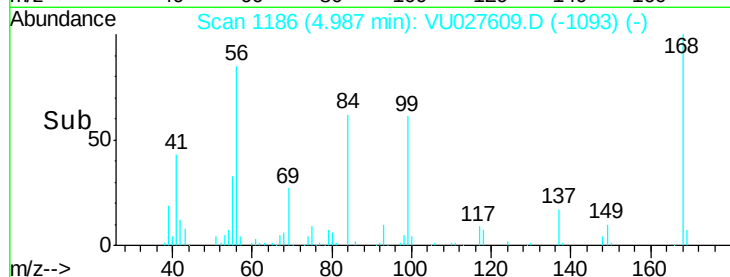
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 48.50 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027609.D

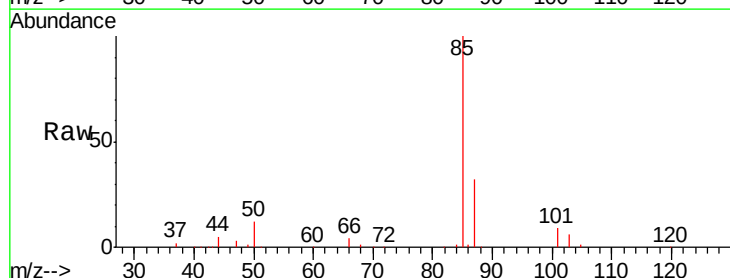
Acq: 11 Oct 2018 19:14

Tgt Ion: 85 Resp: 62525

Ion Ratio Lower Upper

85 100

87 31.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027585.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027585.D (-3) (-)

1.21

60000

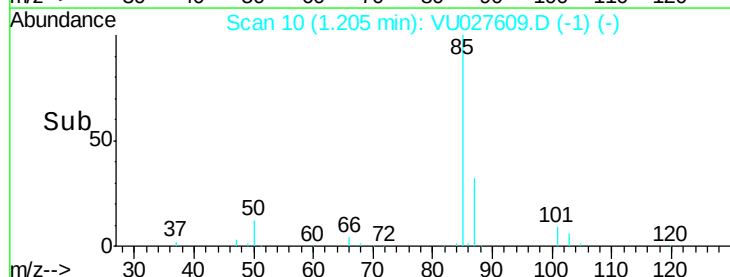
40000

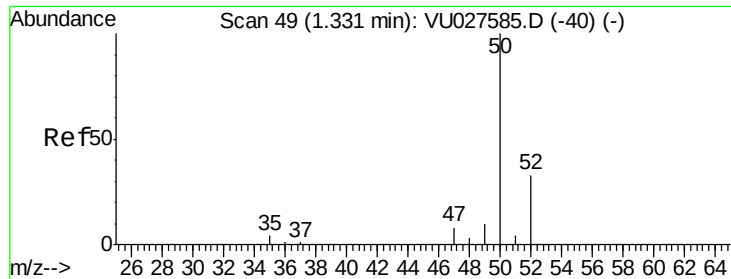
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 48.90 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 98765

Ion Ratio Lower Upper

50 100

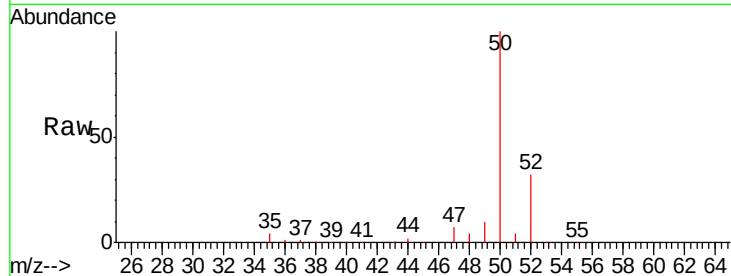
52 32.2 26.5 39.7

Manual Integrations

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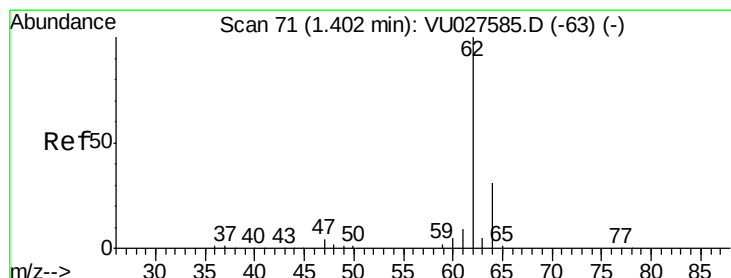
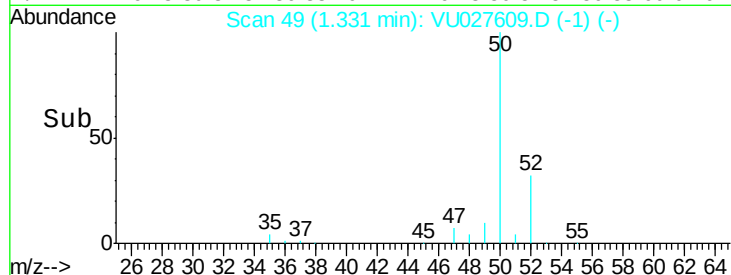
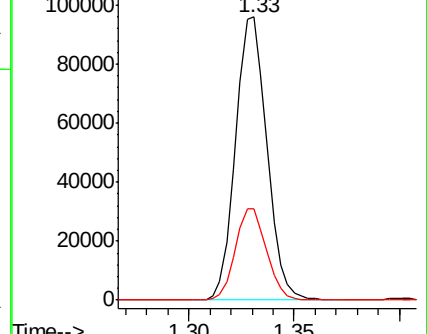
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 50.98 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027609.D

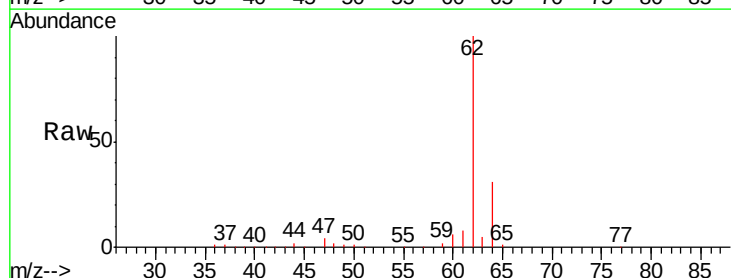
Acq: 11 Oct 2018 19:14

Tgt Ion: 62 Resp: 96767

Ion Ratio Lower Upper

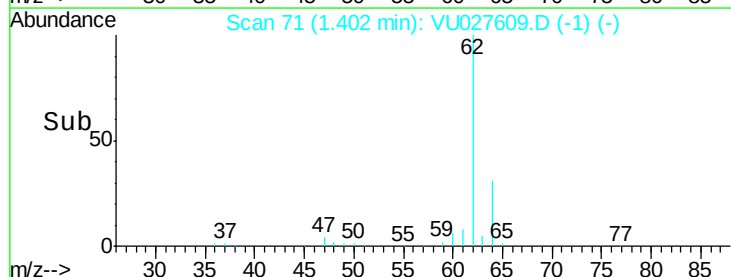
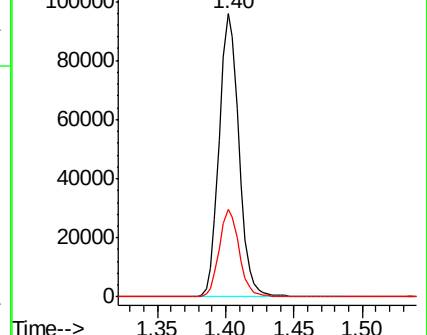
62 100

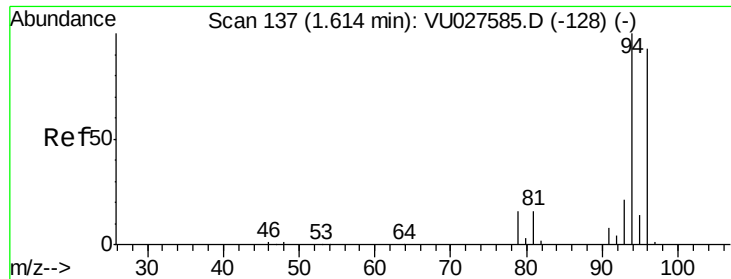
64 30.7 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 46.34 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 47755

Ion Ratio Lower Upper

94 100

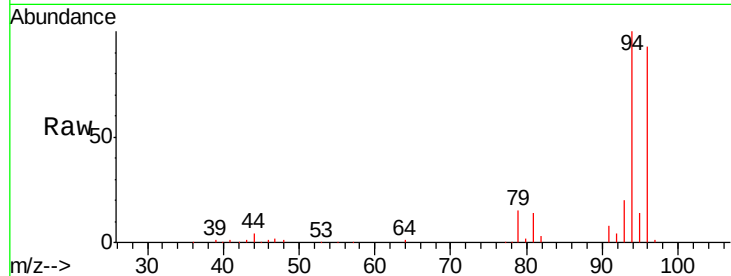
96 92.8 74.6 111.8

Manual Integrations

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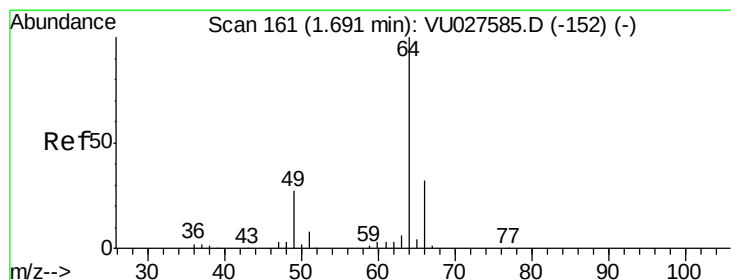
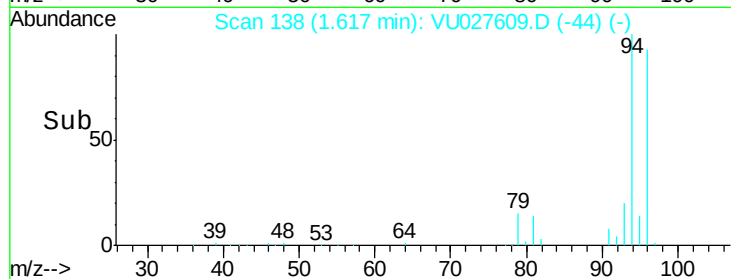
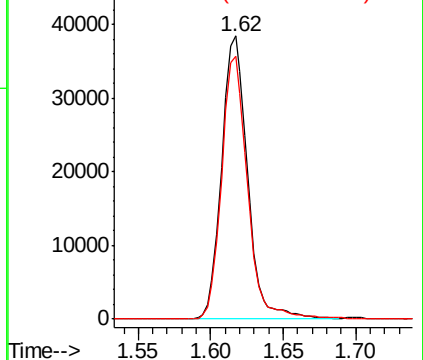
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 45.95 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027609.D

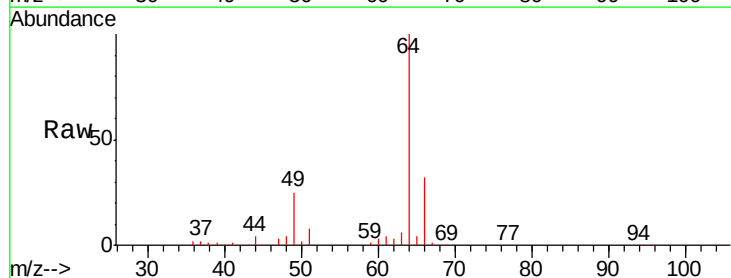
Acq: 11 Oct 2018 19:14

Tgt Ion: 64 Resp: 55475

Ion Ratio Lower Upper

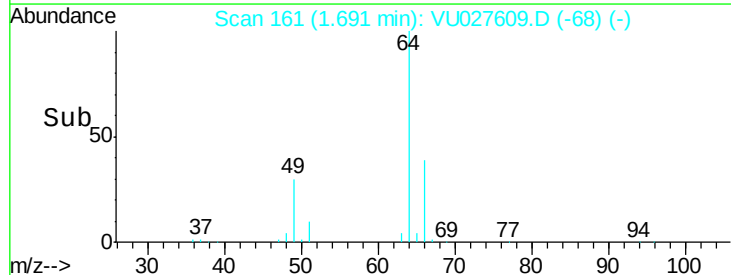
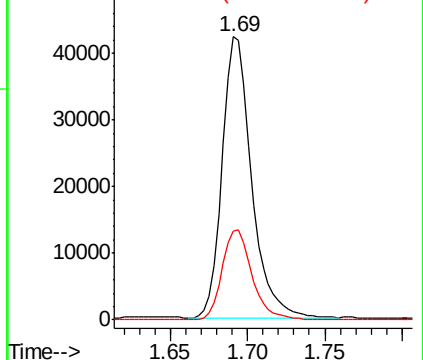
64 100

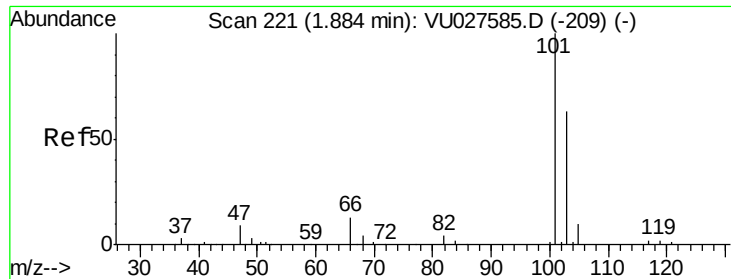
66 31.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

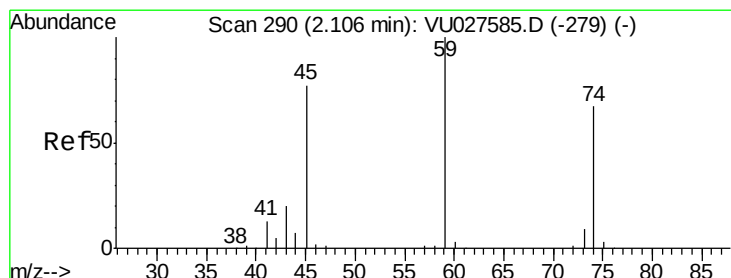
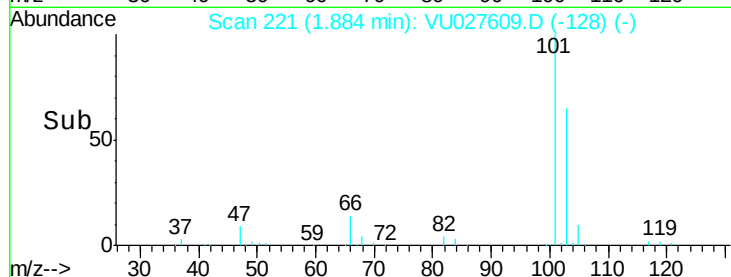
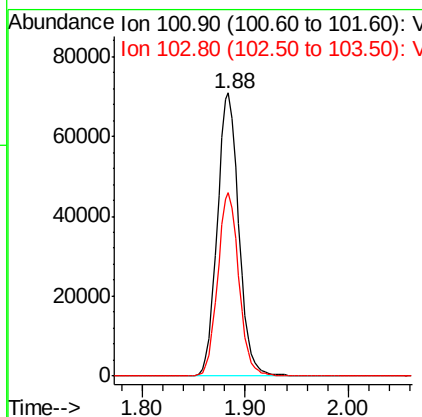
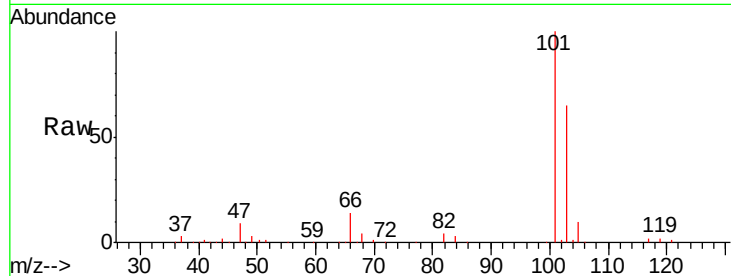
Trichlorofluoromethane
Concen: 48.43 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 101 Resp: 102721
Ion Ratio Lower Upper
101 100
103 65.0 52.6 78.8

Manual Integrations
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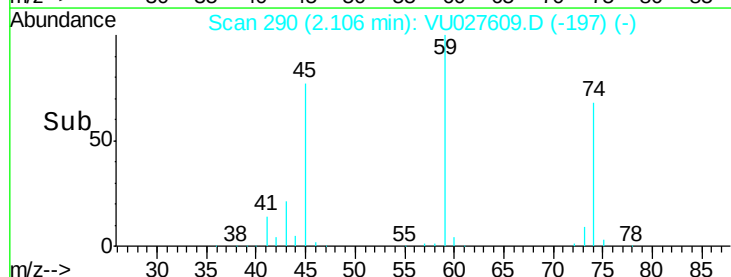
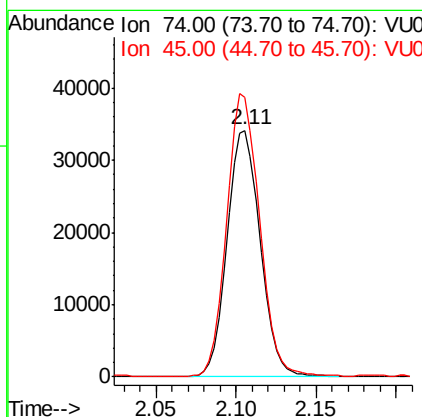
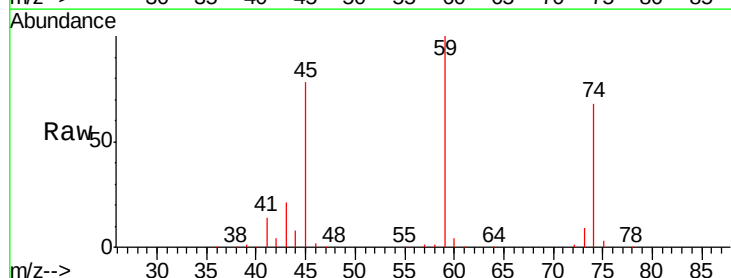
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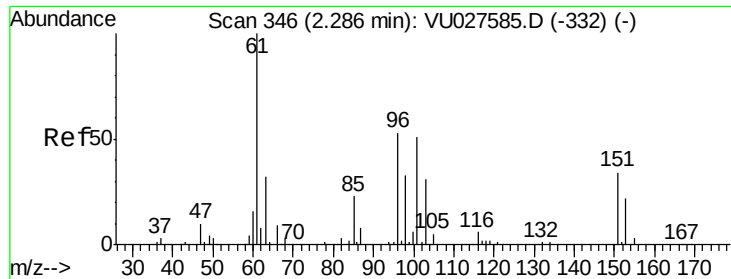


#8

Diethyl Ether
Concen: 50.37 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion: 74 Resp: 48195
Ion Ratio Lower Upper
74 100
45 113.4 60.4 181.1





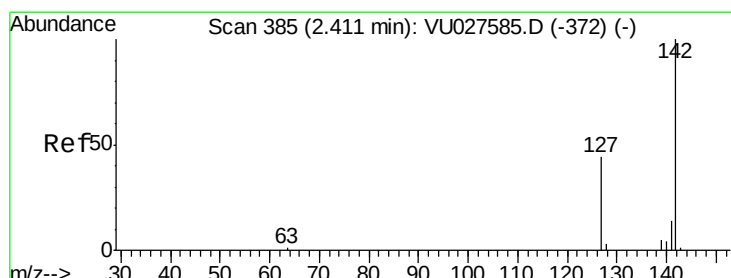
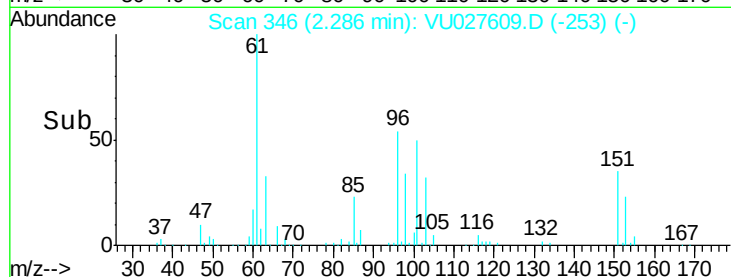
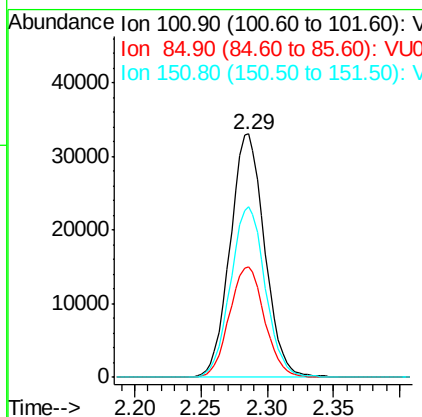
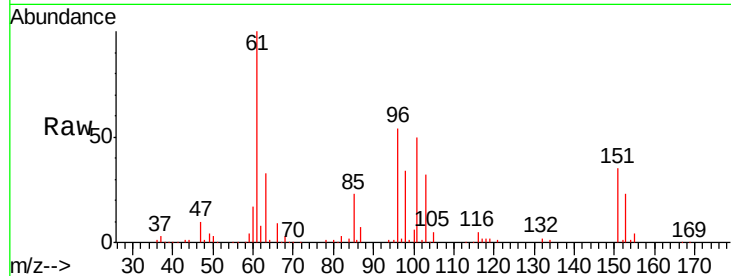
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.17 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	59734		
85	46.2		37.5	56.3
151	70.6		55.6	83.4

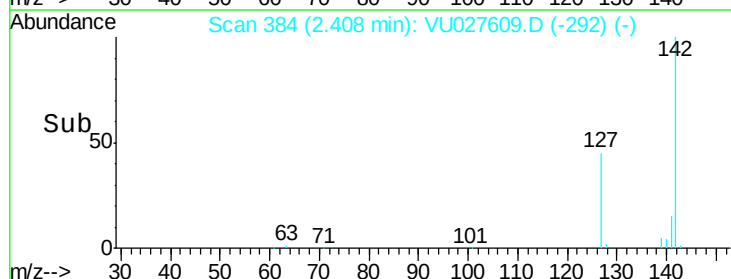
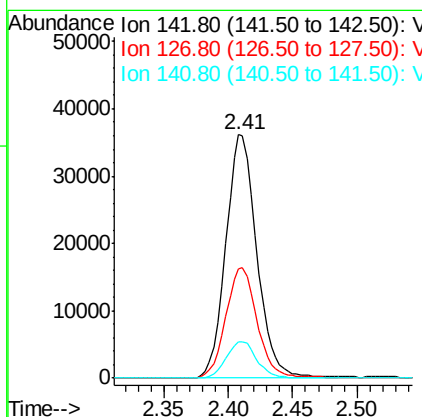
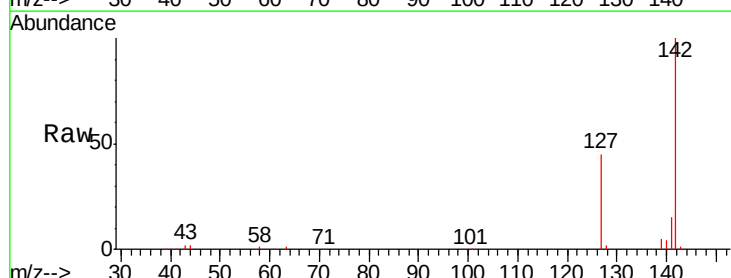
Manual Integrations
 APPROVED

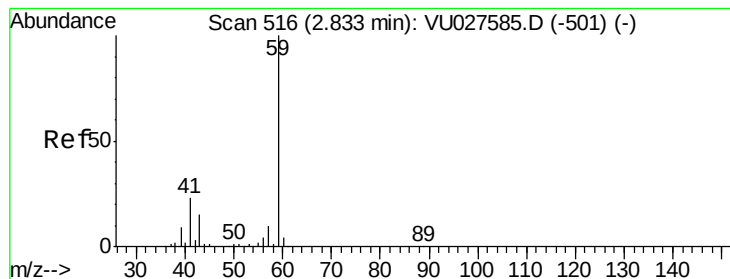
MMDadoda
 10/16/2018 2:22:43 PM



#10
 Methyl Iodide
 Concen: 42.23 ug/l
 RT: 2.41 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	60288		
127	45.6		36.3	54.5
141	14.6		11.6	17.4





#11

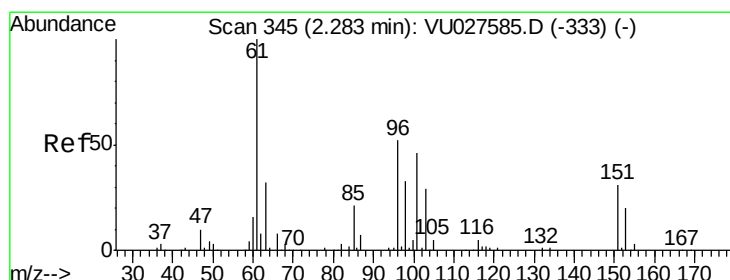
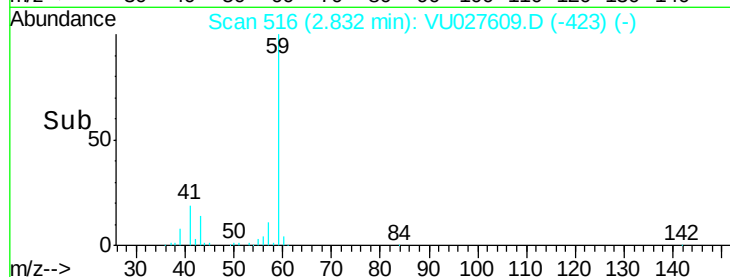
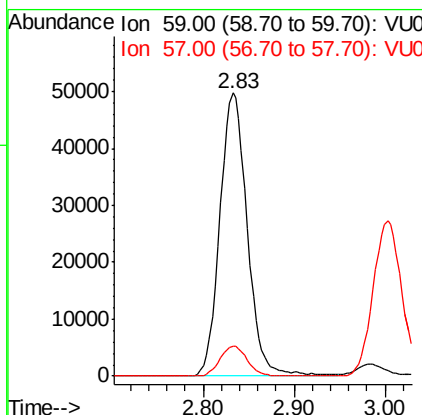
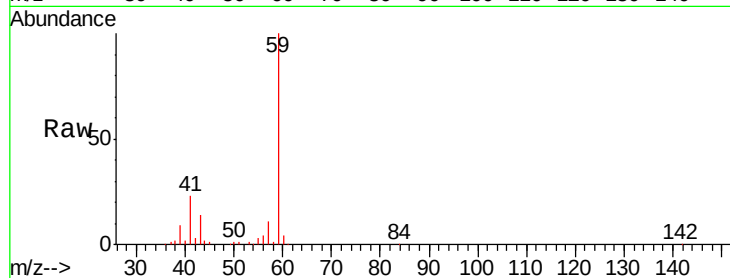
Tert butyl alcohol
Concen: 232.90 ug/l
RT: 2.83 min Scan# 516
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.4	12.6

Manual Integrations
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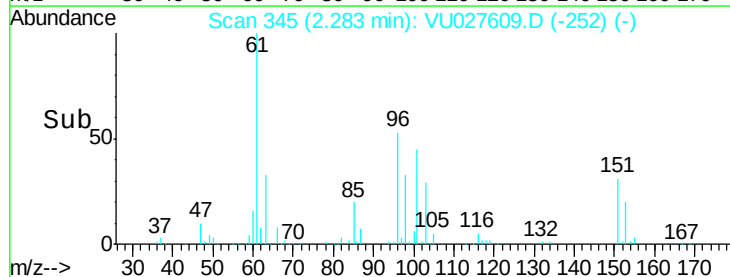
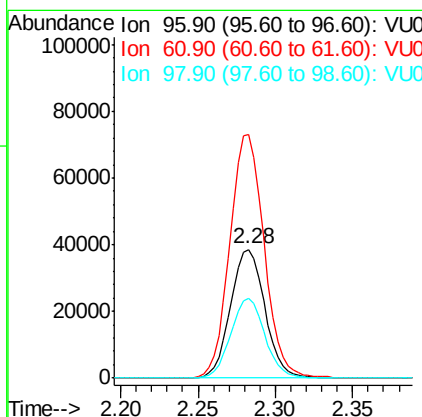
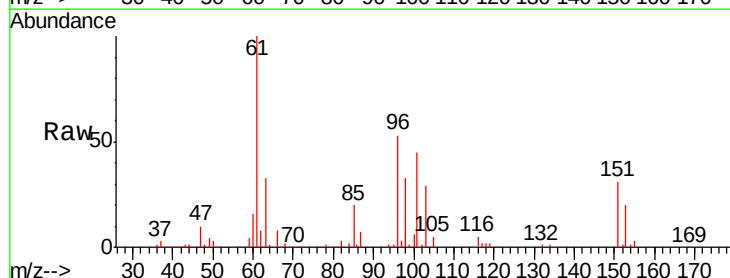
MMDadoda
10/16/2018 2:22:43 PM

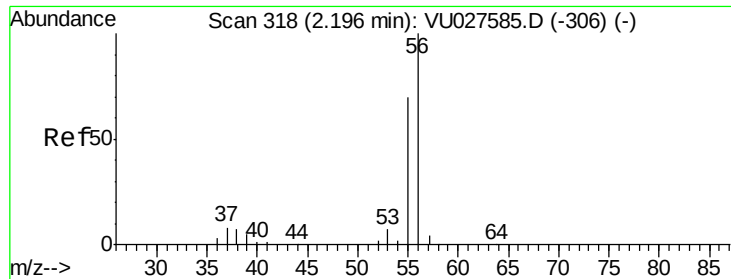


#12

1,1-Dichloroethene
Concen: 48.95 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.1	153.0	229.6
98	62.1	49.3	73.9





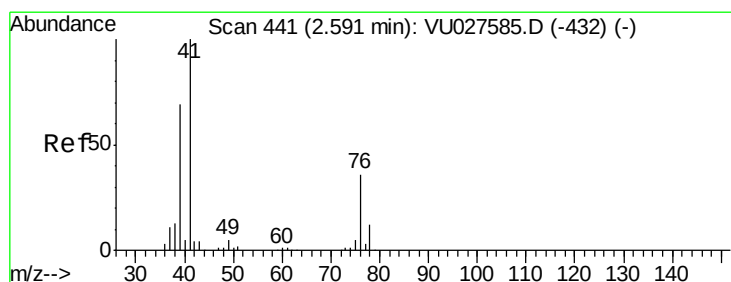
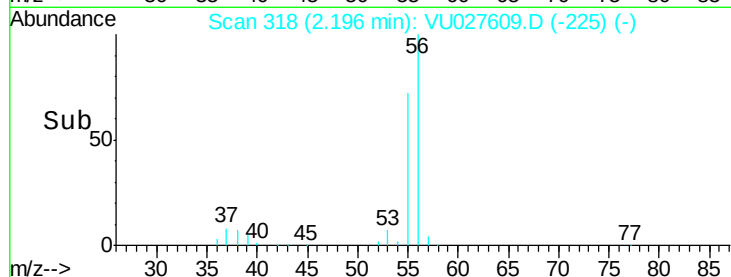
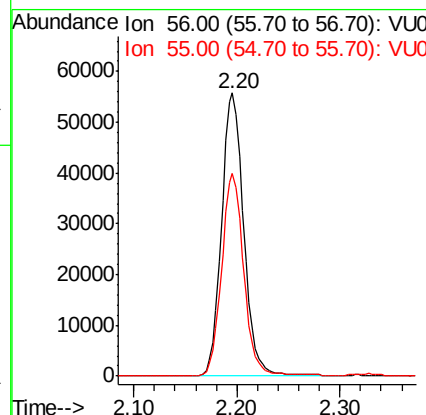
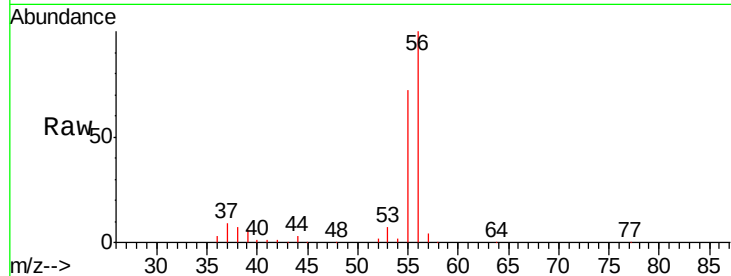
#13
 Acrolein
 Concen: 235.49 ug/l
 RT: 2.20 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 56 Resp: 83552
 Ion Ratio Lower Upper
 56 100
 55 71.2 57.7 86.5

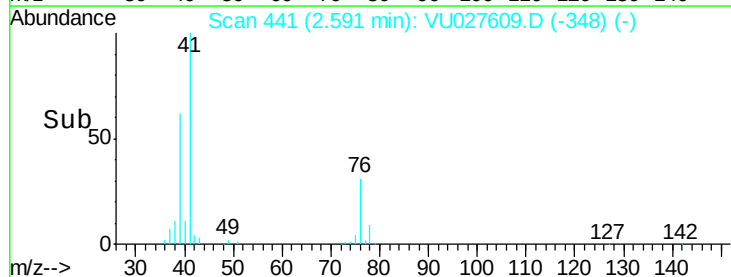
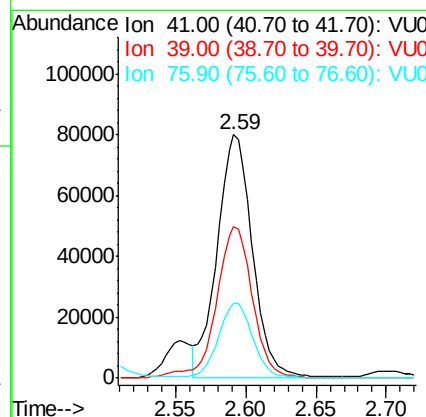
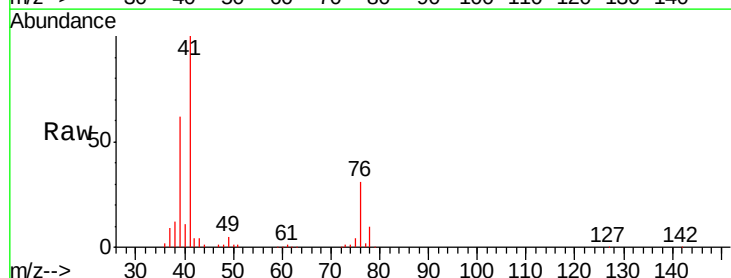
Manual Integrations
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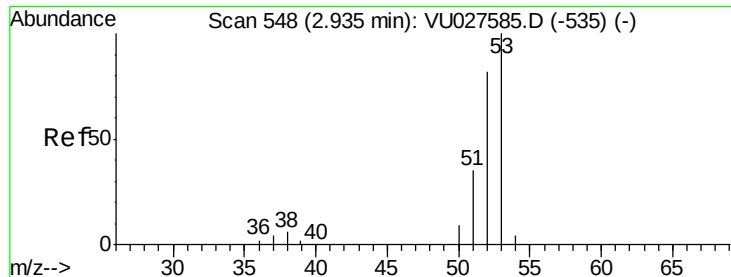
MMDadoda
 10/16/2018 2:22:43 PM



#14
 Allyl chloride
 Concen: 47.32 ug/l
 RT: 2.59 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Tgt Ion: 41 Resp: 139646
 Ion Ratio Lower Upper
 41 100
 39 63.5 51.8 77.8
 76 29.9 25.9 38.9





#15

Acrylonitrile

Concen: 260.58 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Instrument :

MSVOA_U

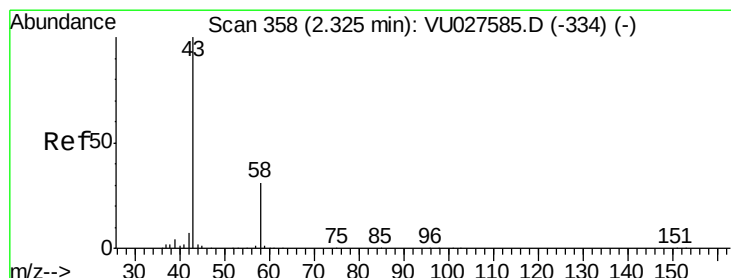
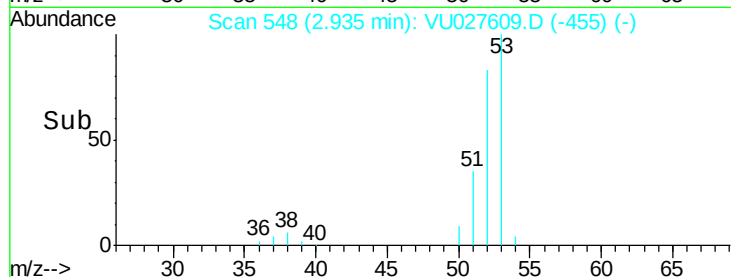
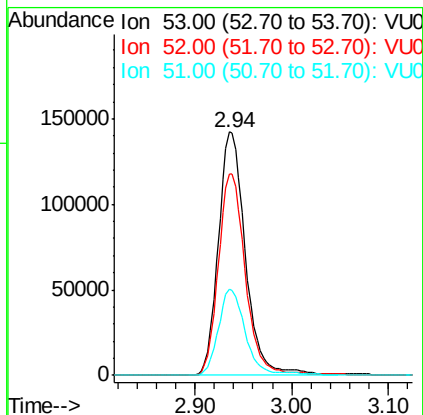
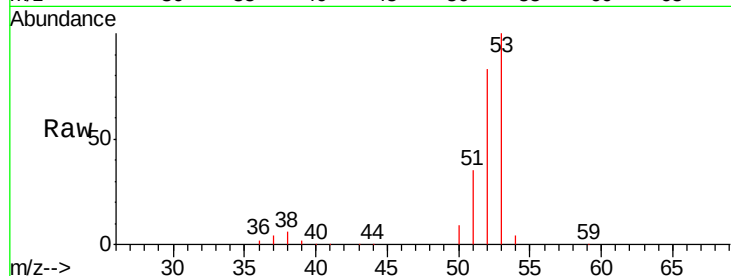
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	277038
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.5	99.7
51	36.0	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 210.38 ug/l

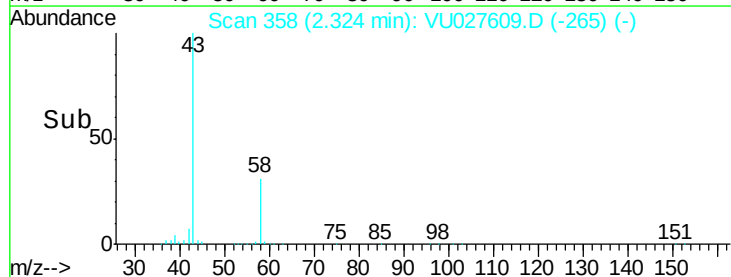
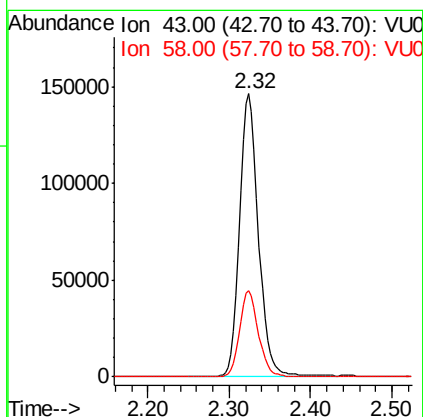
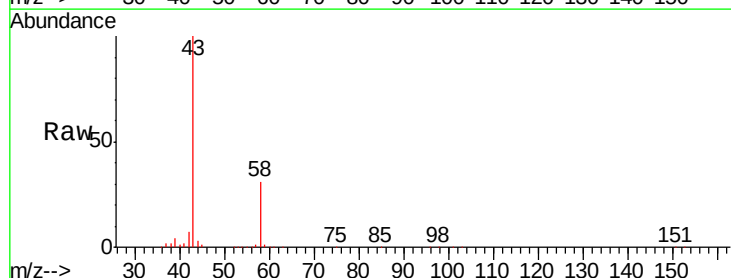
RT: 2.32 min Scan# 358

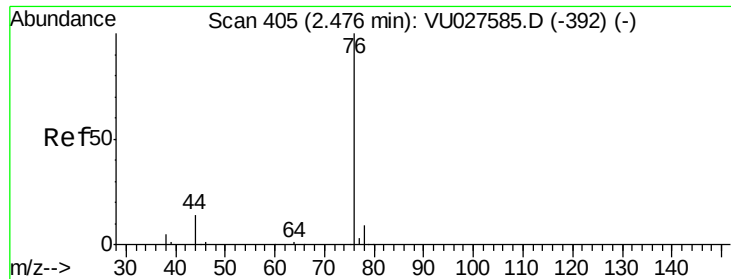
Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Tgt Ion:	43	Resp:	235335
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.2	36.4





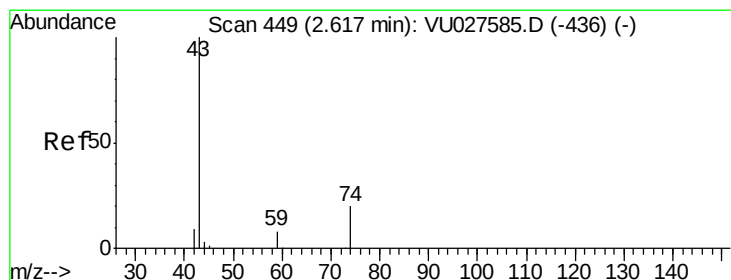
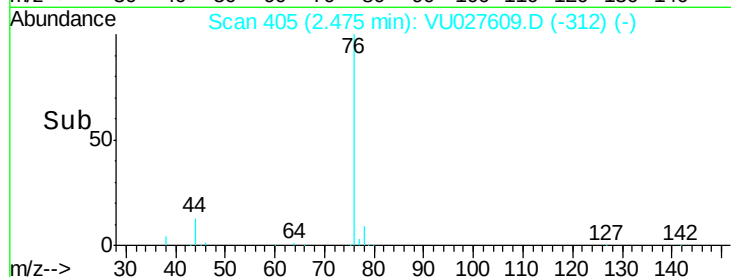
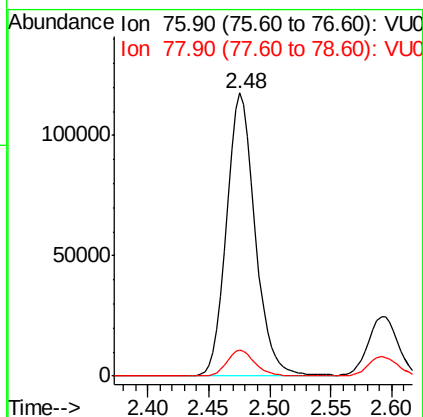
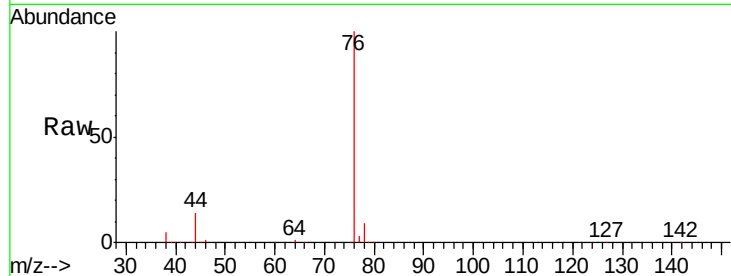
#17
Carbon Disulfide
Concen: 46.42 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 193588
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

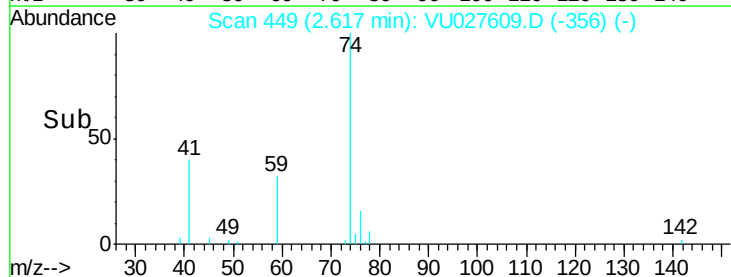
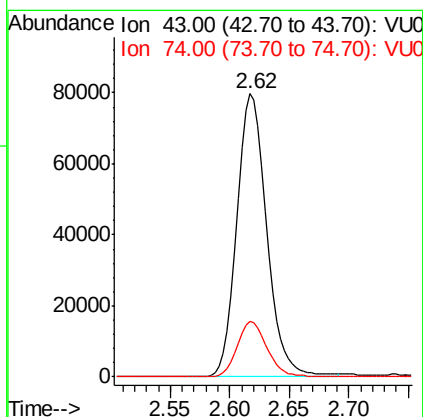
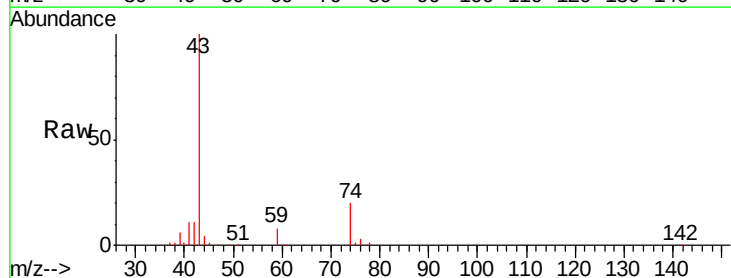
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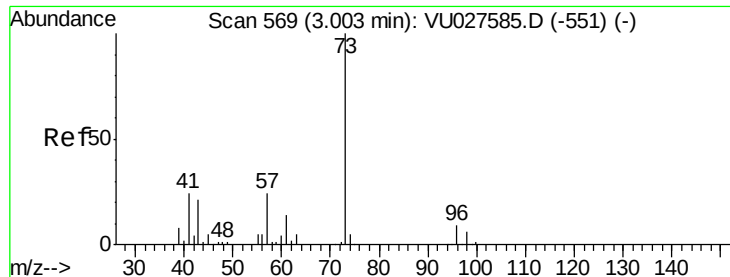
MMDadoda
10/16/2018 2:22:43 PM



#18
Methyl Acetate
Concen: 49.50 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion: 43 Resp: 138451
Ion Ratio Lower Upper
43 100
74 19.8 16.5 24.7





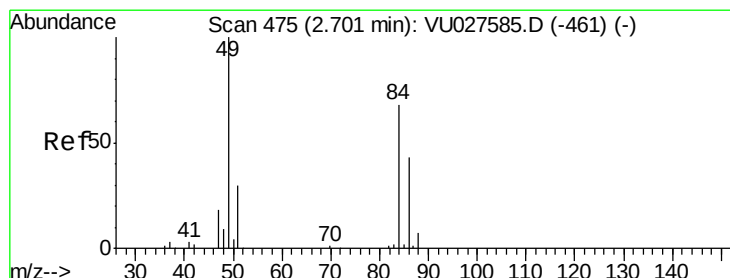
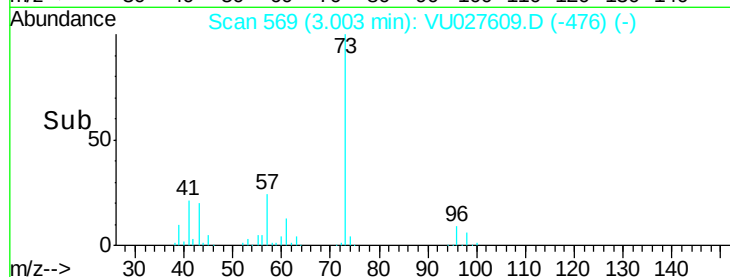
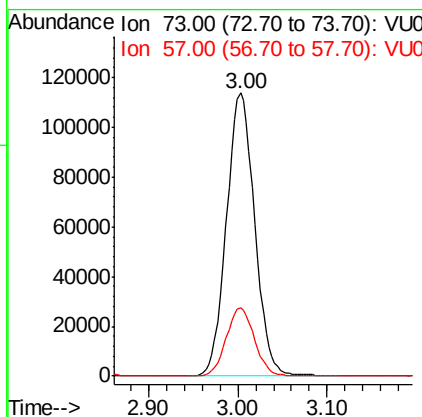
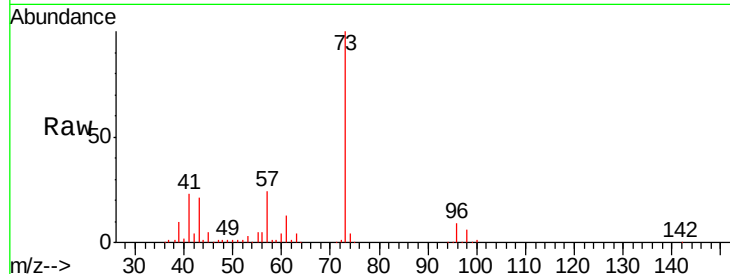
#19
Methyl tert-butyl Ether
Concen: 53.35 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 249756
Ion Ratio Lower Upper
73 100
57 24.0 20.0 30.0

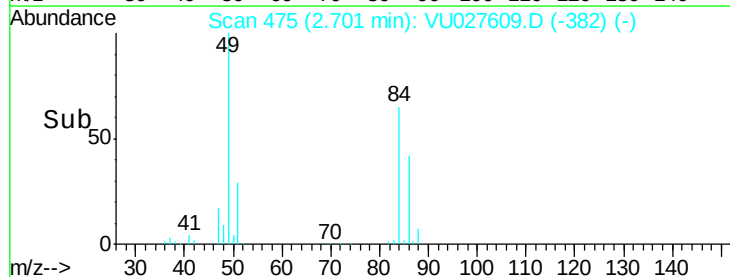
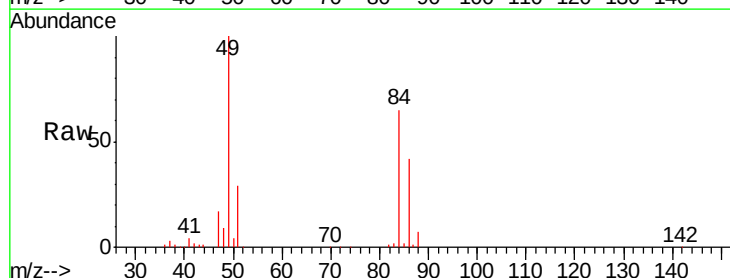
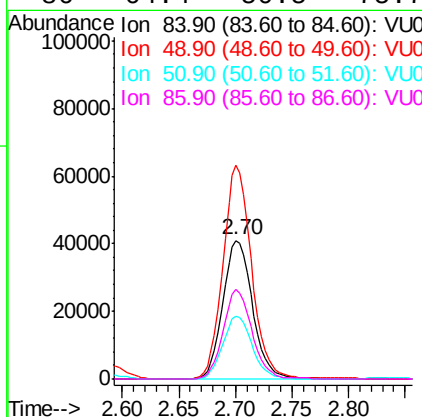
Manual Integrations
APPROVED

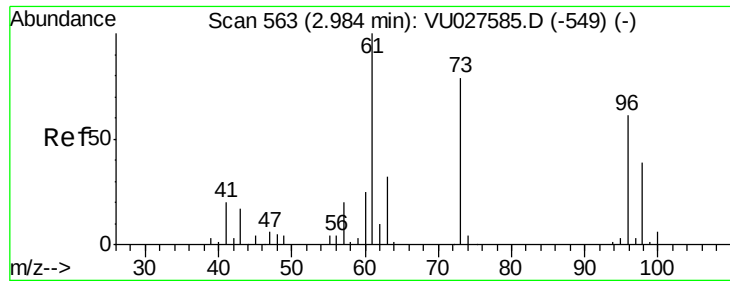
MMDadoda
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#20
Methylene Chloride
Concen: 47.52 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion: 84 Resp: 75243
Ion Ratio Lower Upper
84 100
49 154.1 120.5 180.7
51 45.4 35.1 52.7
86 64.4 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 51.23 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Instrument :

MSVOA_U

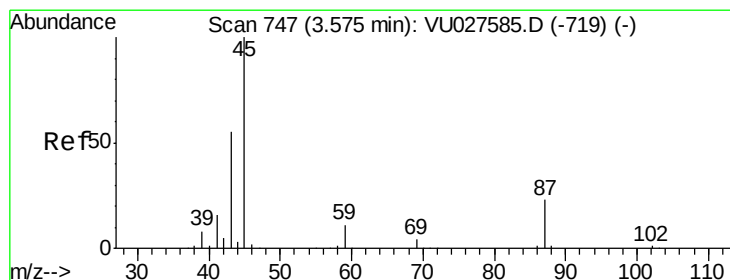
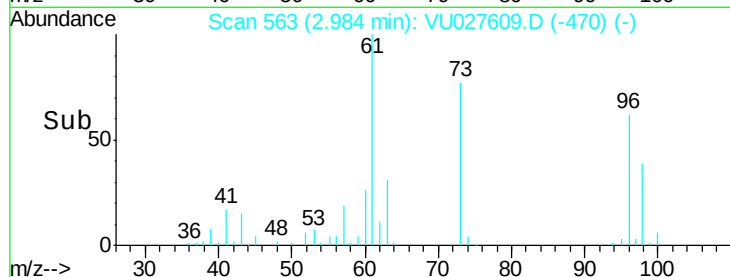
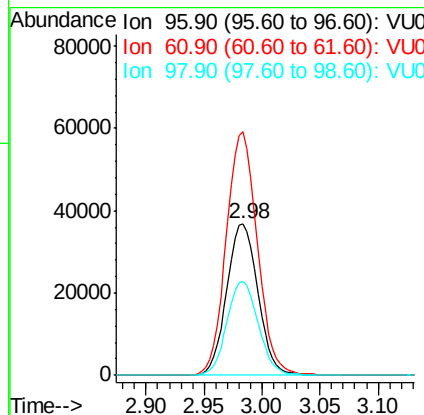
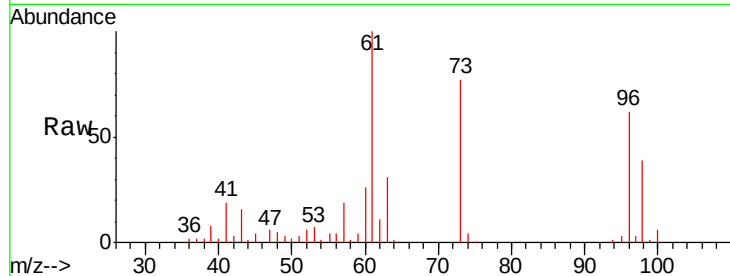
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	68887
Ion	Ratio	Lower	Upper
96	100		
61	160.5	129.4	194.2
98	62.3	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.21 ug/l

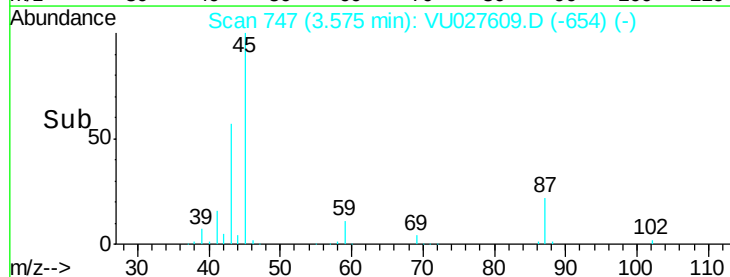
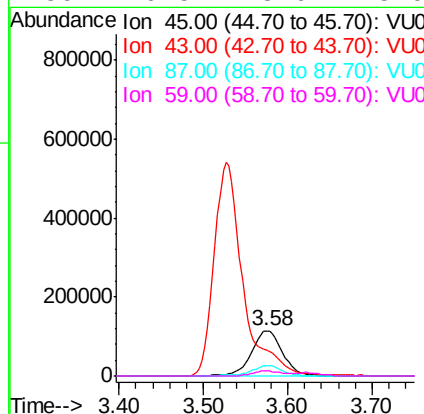
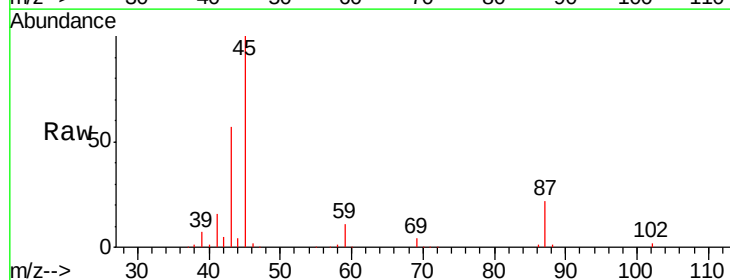
RT: 3.58 min Scan# 747

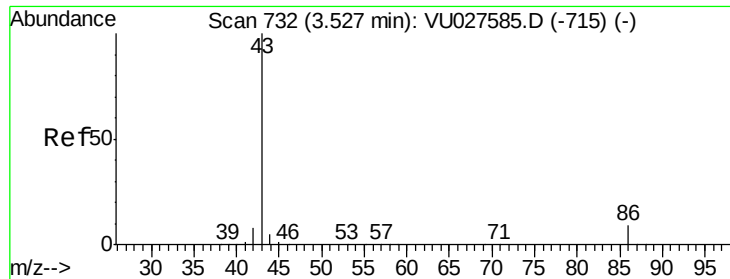
Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Tgt Ion:	45	Resp:	295122
Ion	Ratio	Lower	Upper
45	100		
43	55.8	43.4	65.2
87	22.3	17.5	26.3
59	10.5	8.6	13.0





#23

Vinyl Acetate

Concen: 271.36 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1297341

Ion Ratio Lower Upper

43 100

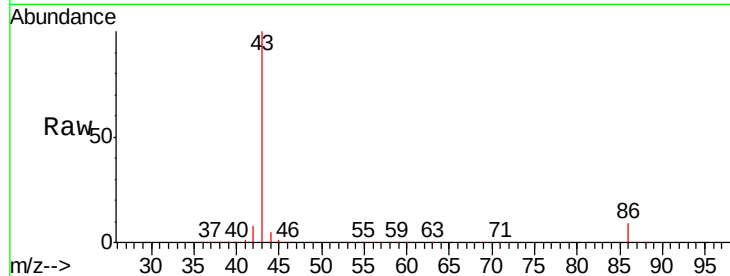
86 8.9 7.0 10.4

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

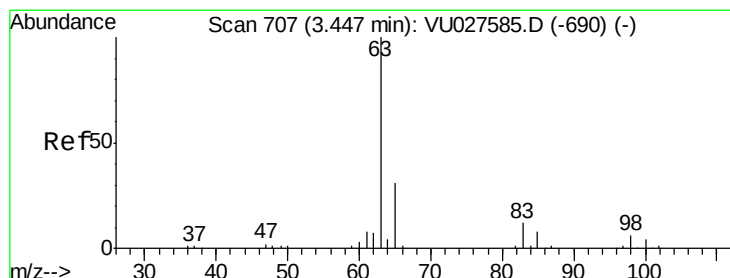
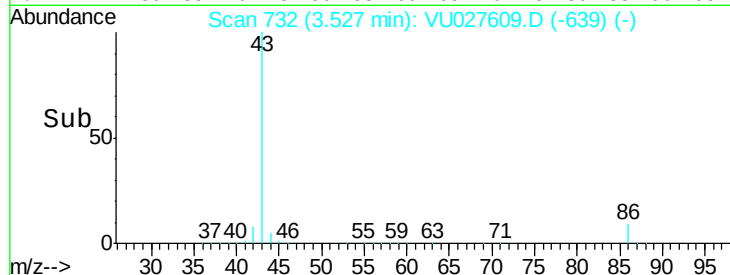
0

3.40

3.60

3.80

Time-->



#24

1,1-Dichloroethane

Concen: 51.00 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

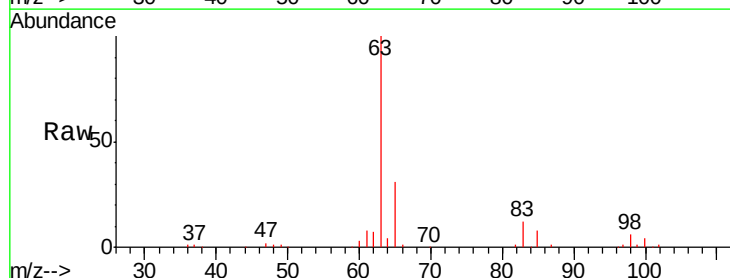
Tgt Ion: 63 Resp: 152610

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

80000

60000

40000

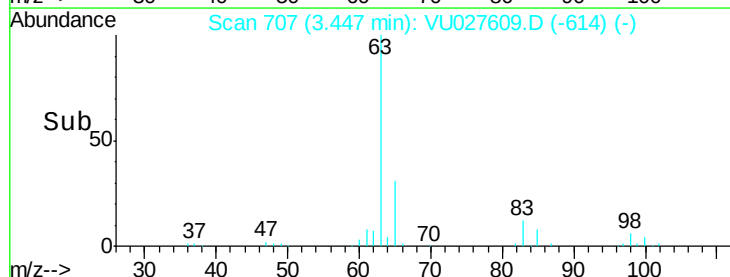
20000

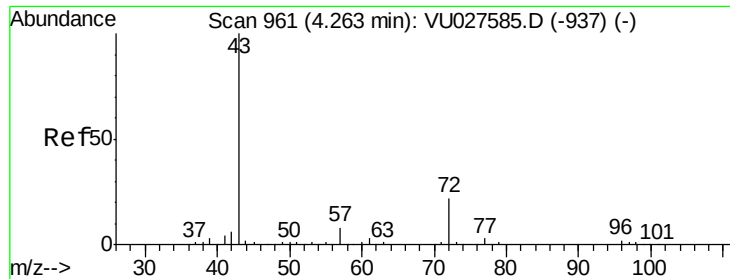
0

3.40

3.50

Time-->





#25

2-Butanone

Concen: 255.71 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 405329

Ion Ratio Lower Upper

43 100

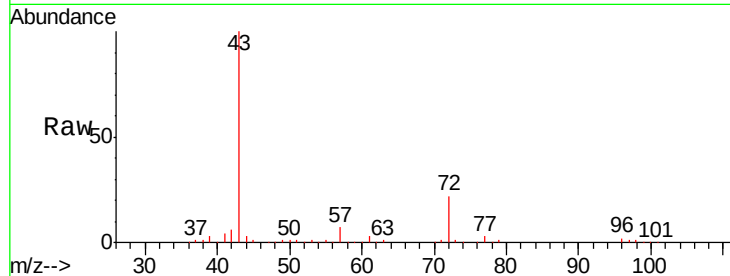
72 22.3 17.8 26.6

Manual Integrations

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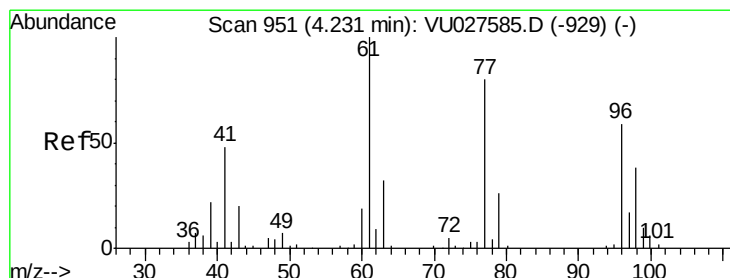
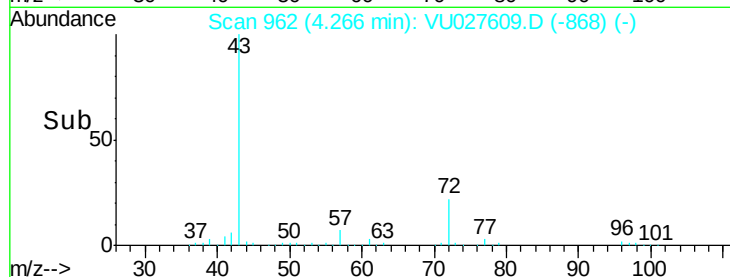
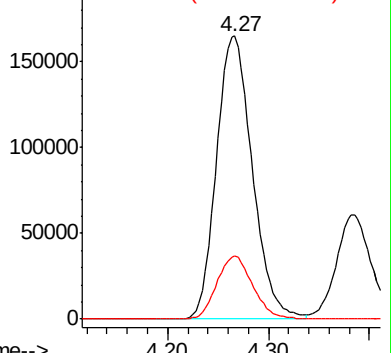
MMDadoda

10/16/2018 2:22:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 45.75 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027609.D

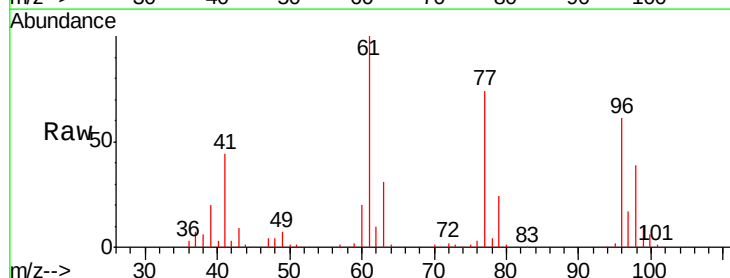
Acq: 11 Oct 2018 19:14

Tgt Ion: 77 Resp: 109727

Ion Ratio Lower Upper

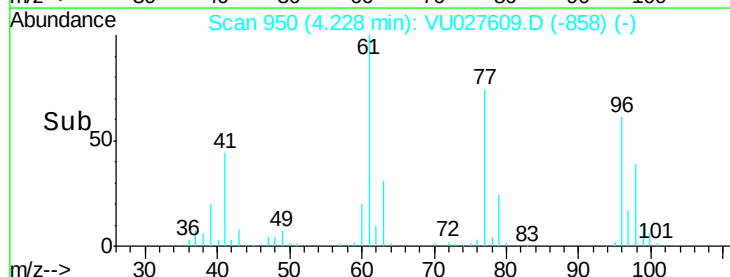
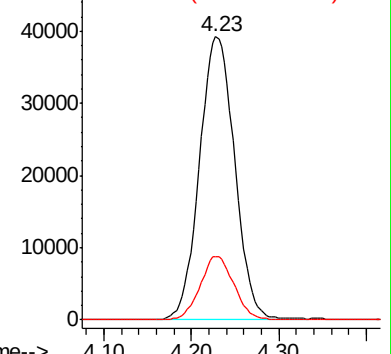
77 100

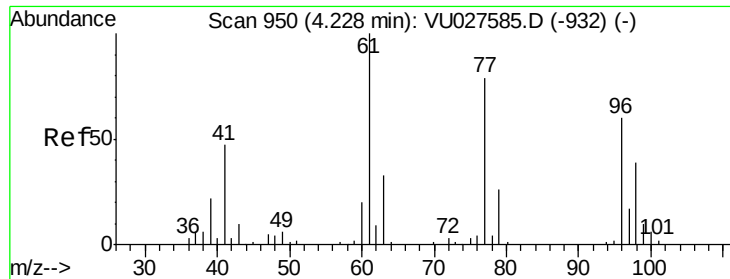
97 21.3 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 52.21 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 77843

Ion Ratio Lower Upper

96 100

61 169.0 0.0 343.8

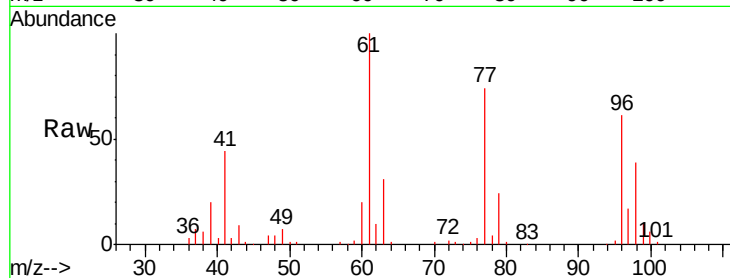
98 64.7 0.0 129.0

Manual Integrations

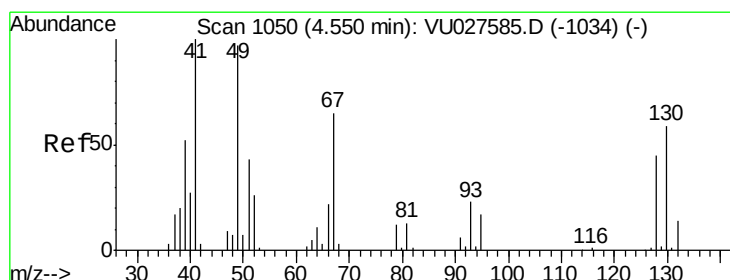
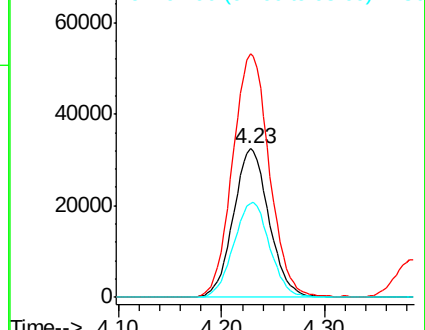
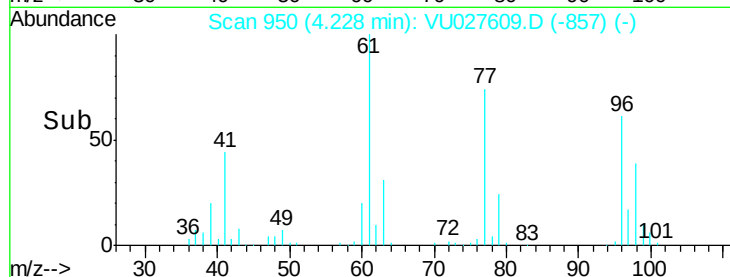
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Abundance Ion 95.90 (95.60 to 96.60): VU027609.D (-857) (-)



#28

Bromochloromethane

Concen: 51.75 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

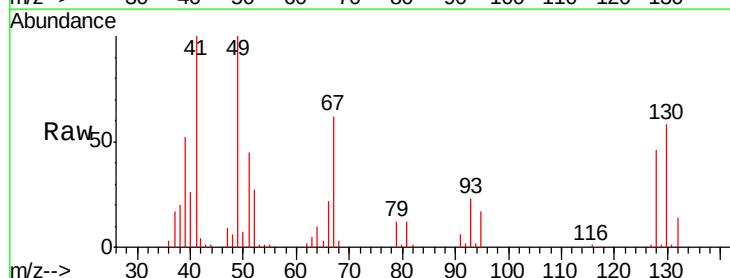
Tgt Ion: 49 Resp: 76405

Ion Ratio Lower Upper

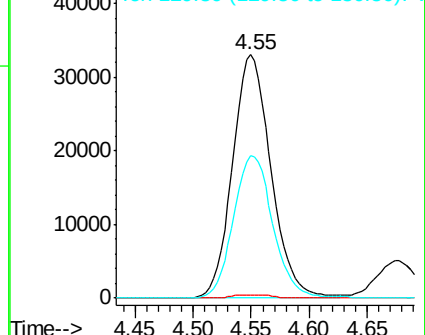
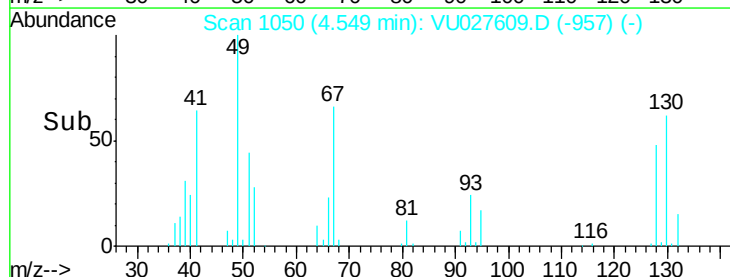
49 100

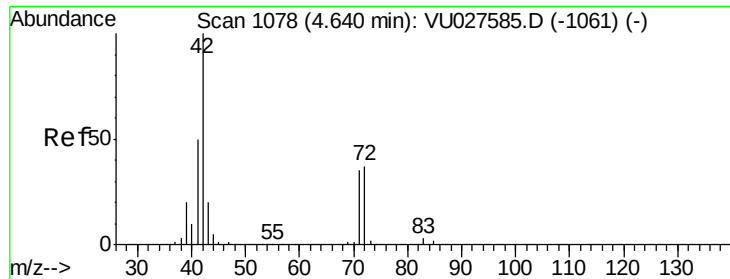
129 1.4 0.0 3.0

130 59.7 46.1 69.1



Abundance Ion 48.90 (48.60 to 49.60): VU027609.D (-957) (-)





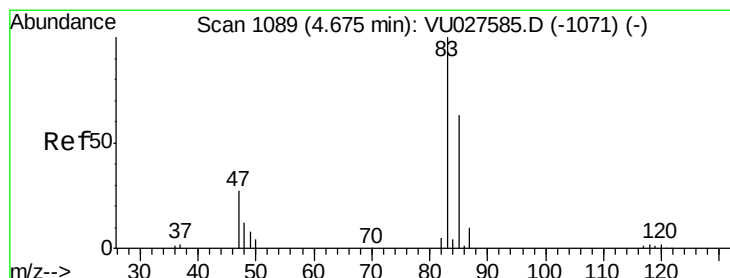
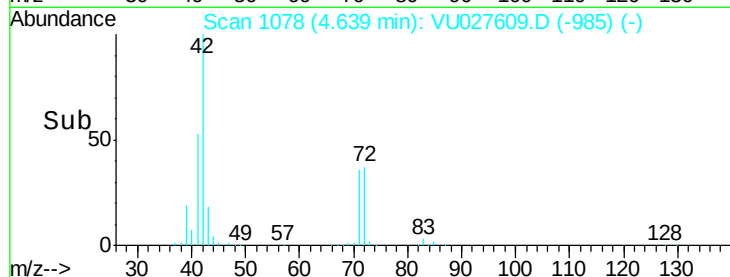
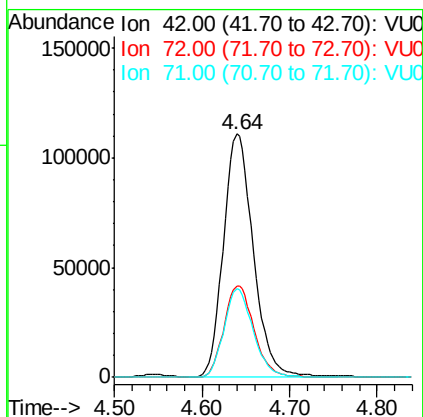
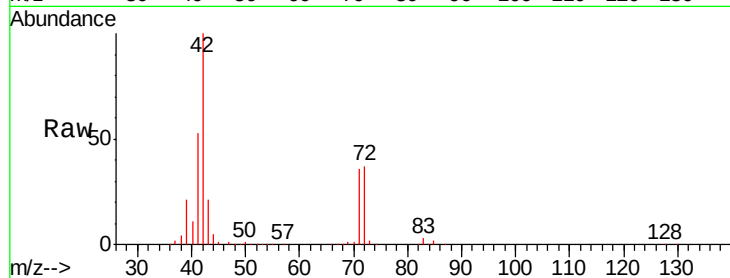
#29
Tetrahydrofuran
Concen: 263.74 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.1	45.1
71	35.8	27.7	41.5

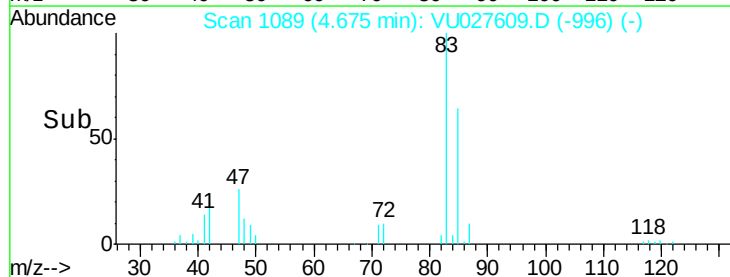
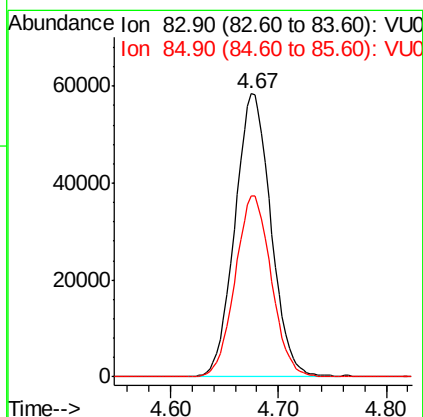
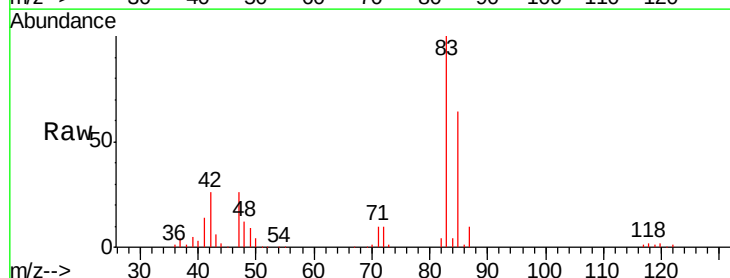
Manual Integrations
APPROVED

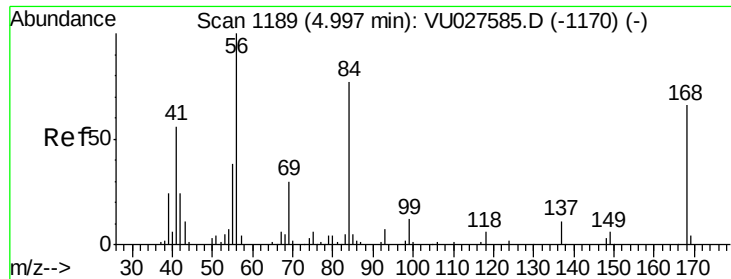
MMDadoda
10/16/2018 2:22:43 PM



#30
Chloroform
Concen: 51.15 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6





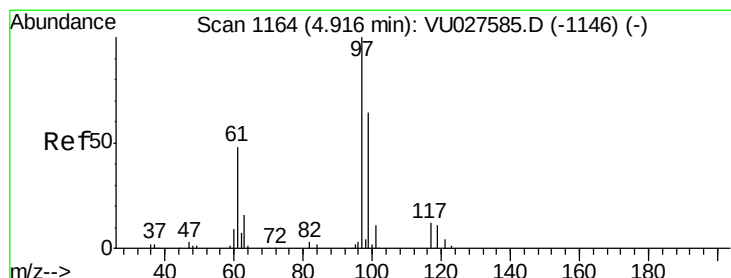
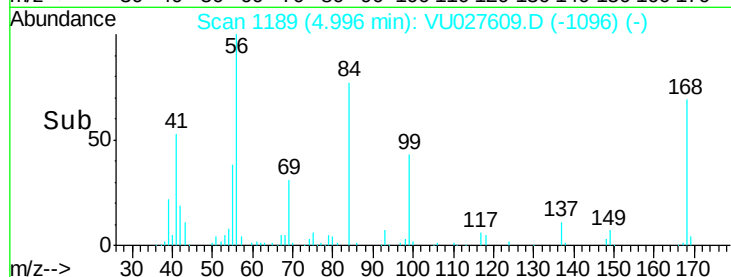
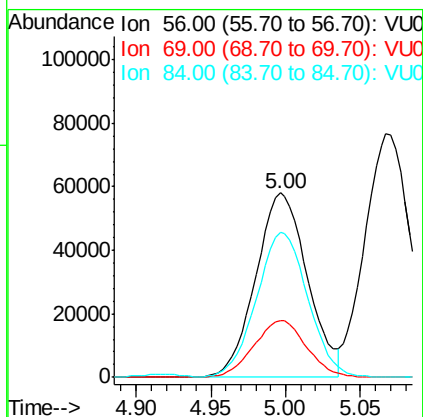
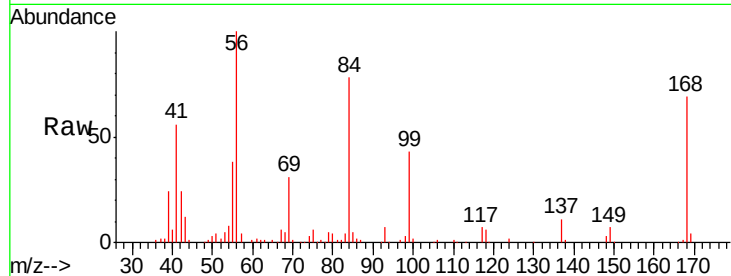
#31
Cyclohexane
Concen: 49.03 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.1	36.1
84	77.8	59.1	88.7

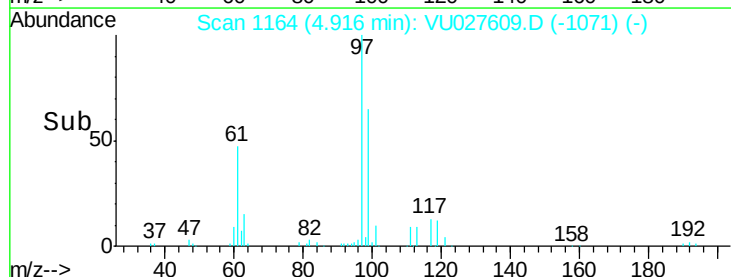
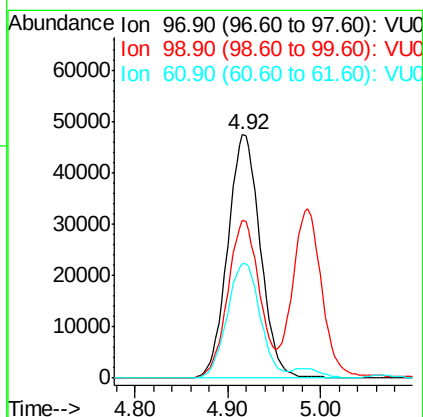
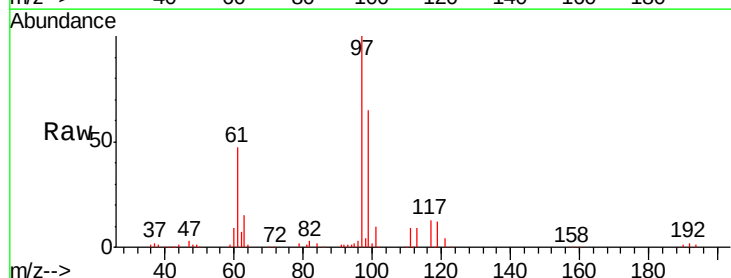
Manual Integrations
APPROVED

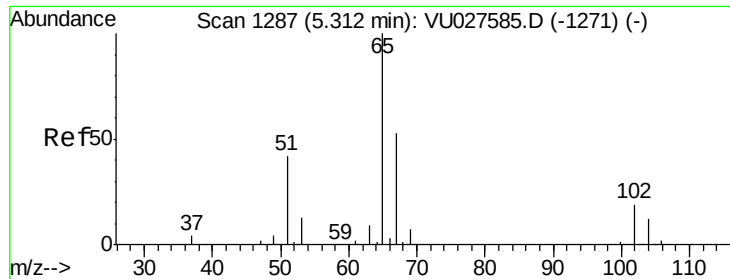
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.45 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.1	76.7
61	47.8	39.6	59.4





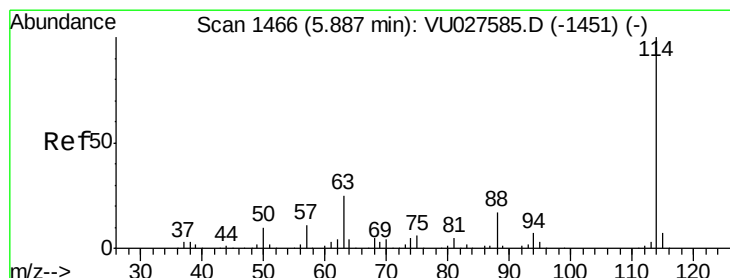
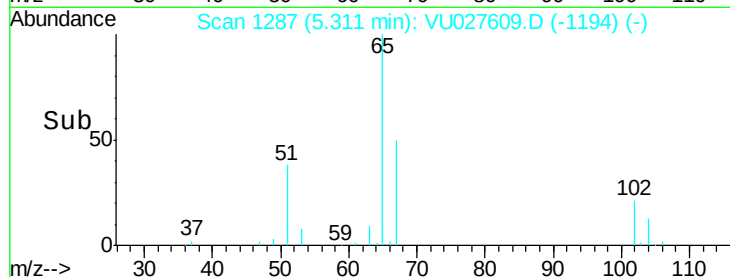
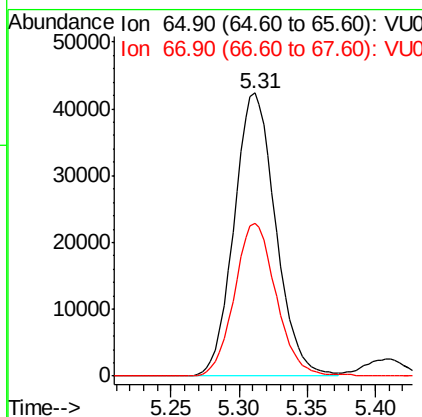
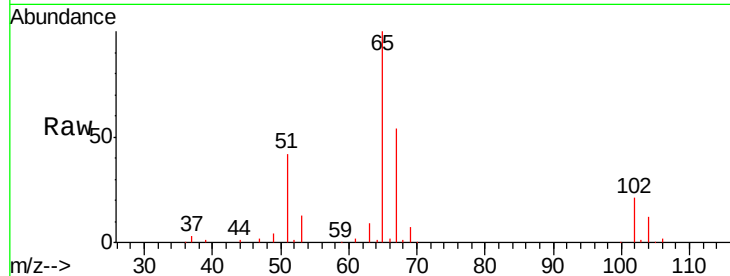
#33
 1,2-Dichloroethane-d4
 Concen: 48.87 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	89665		
67	54.1	0.0	107.8	

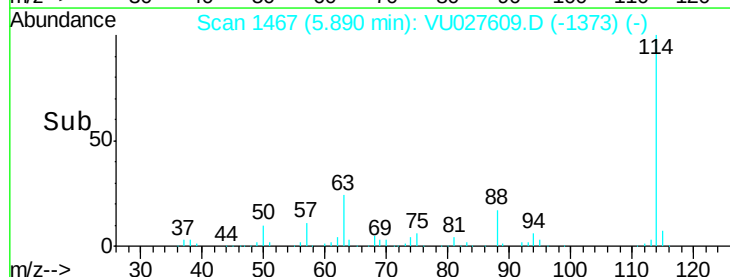
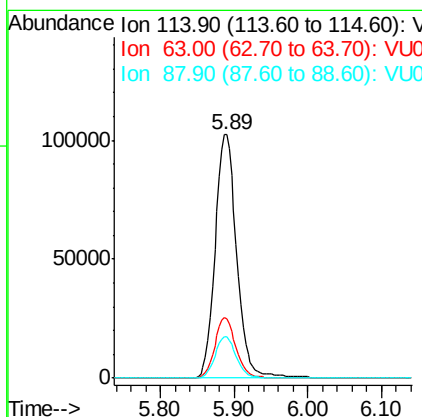
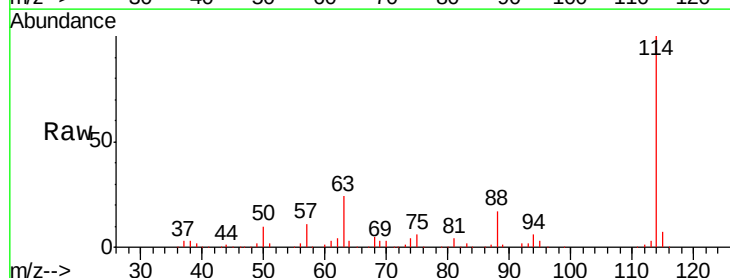
Manual Integrations
 APPROVED

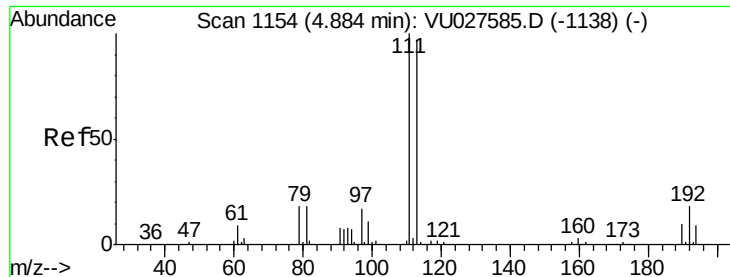
MMDadoda
 10/16/2018 2:22:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	208006		
63	24.4	0.0	50.2	
88	16.9	0.0	33.8	





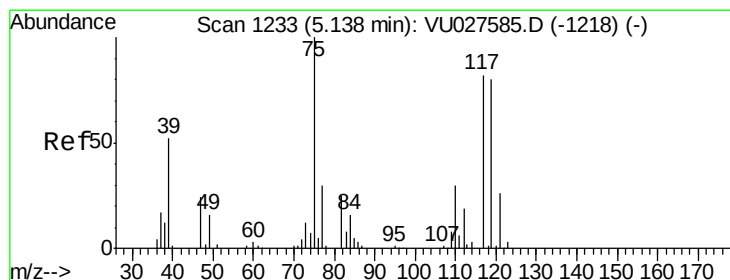
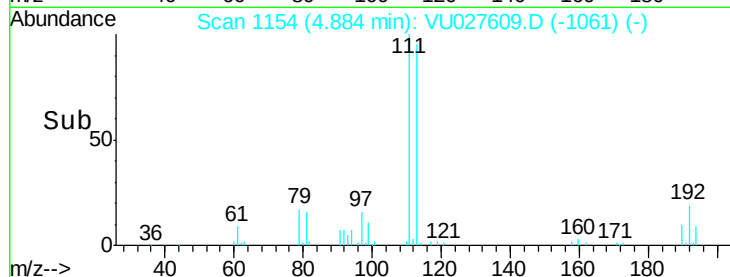
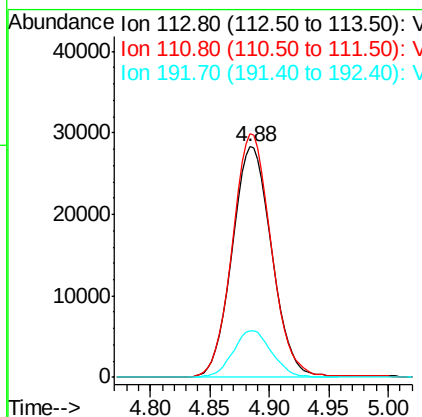
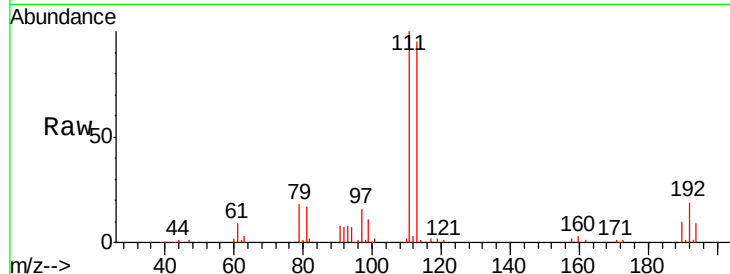
#35
 Dibromofluoromethane
 Concen: 47.45 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	65296		
111	103.5	83.1	124.7	
192	19.7	15.4	23.0	

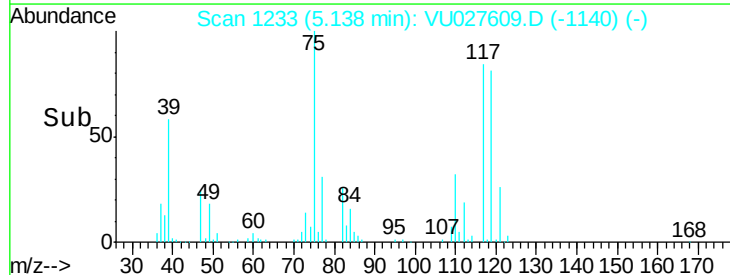
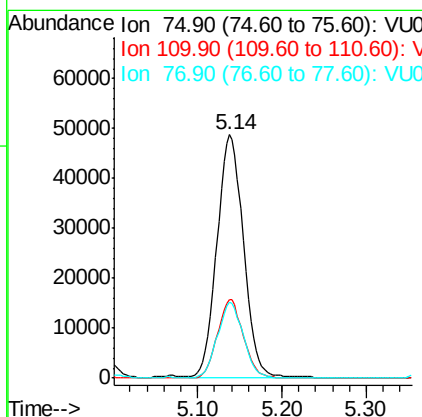
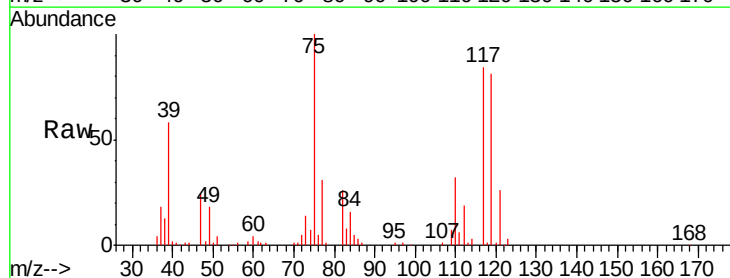
Manual Integrations
 APPROVED

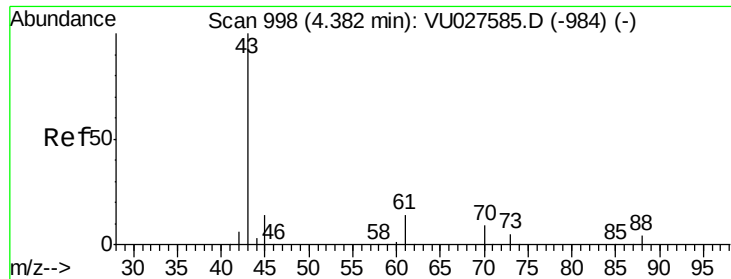
MMDadoda
 10/16/2018 2:22:43 PM



#36
 1,1-Dichloropropene
 Concen: 50.81 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	107367		
110	31.3	15.5	46.5	
77	30.4	25.4	38.0	





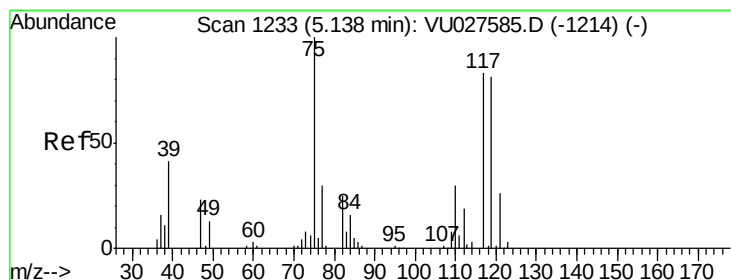
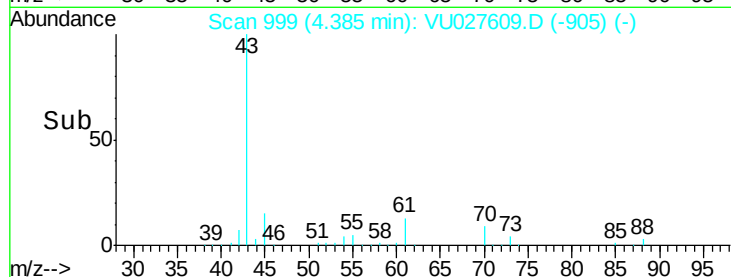
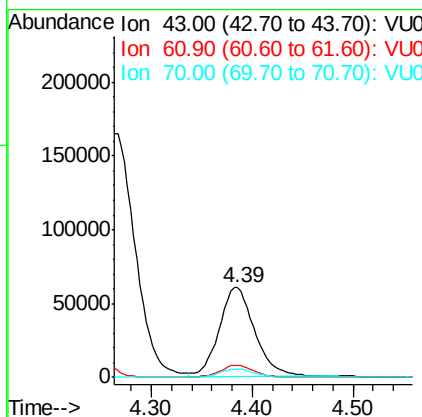
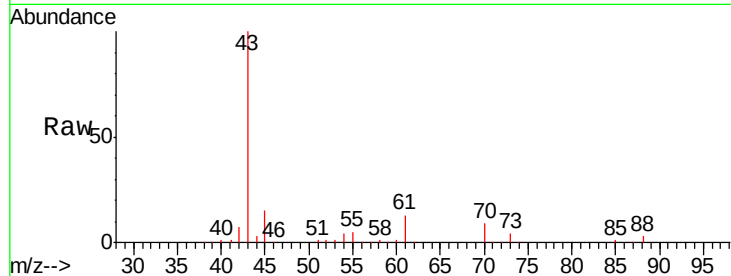
#37
Ethyl Acetate
Concen: 48.96 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 148415
Ion Ratio Lower Upper
43 100
61 13.1 10.7 16.1
70 9.3 7.4 11.2

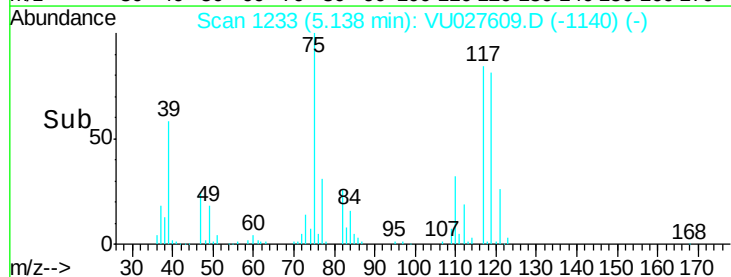
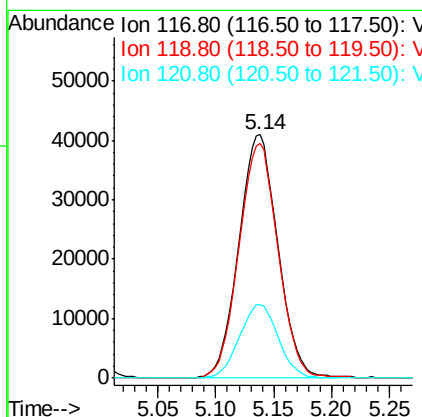
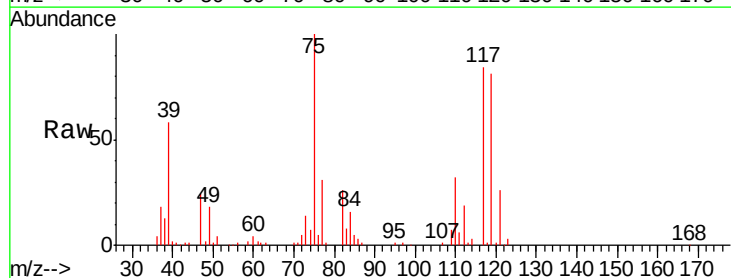
Manual Integrations
APPROVED

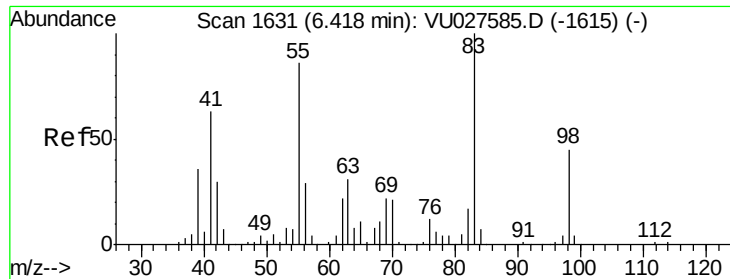
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.20 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion: 117 Resp: 95851
Ion Ratio Lower Upper
117 100
119 96.6 74.5 111.7
121 30.4 24.6 37.0





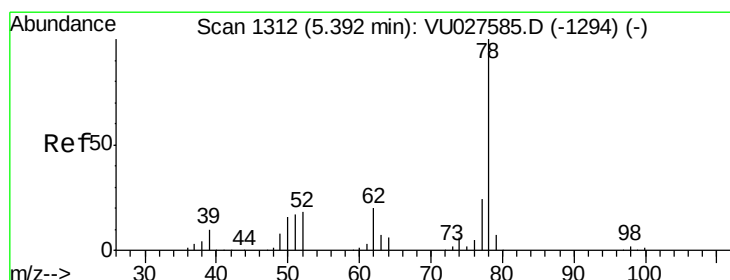
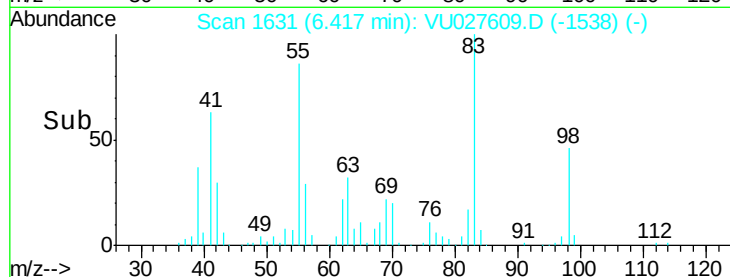
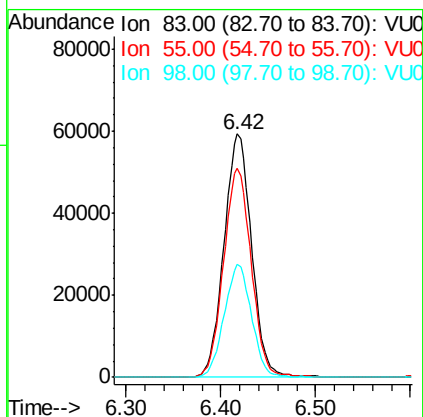
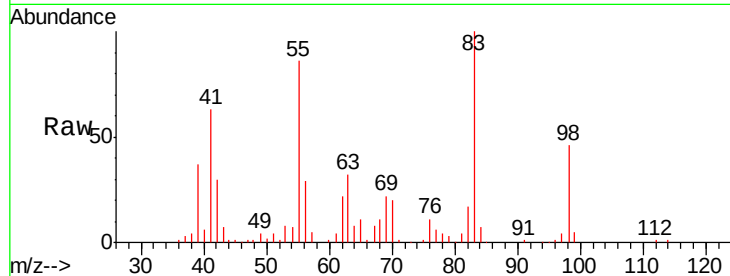
#39
Methylcyclohexane
Concen: 50.53 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.7	71.1	106.7
98	46.3	36.3	54.5

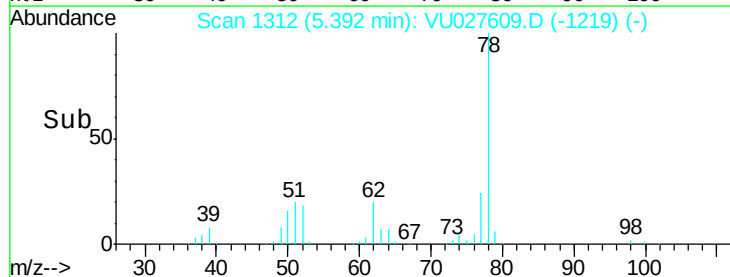
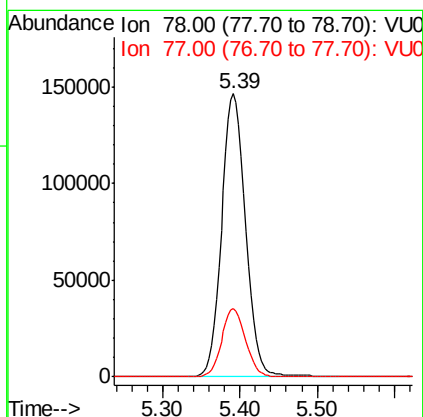
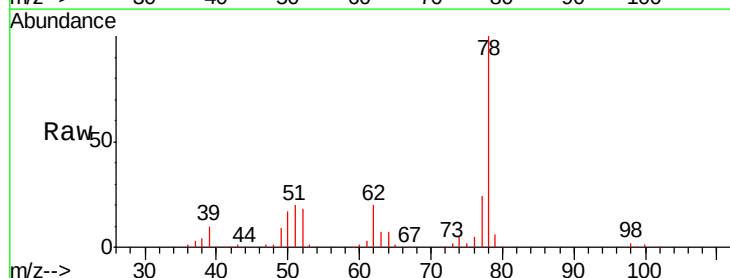
Manual Integrations
APPROVED

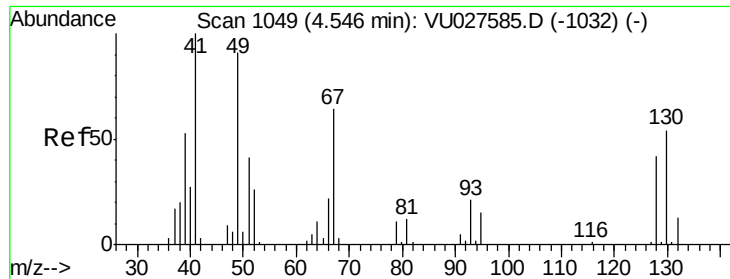
MMDadoda
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#40
Benzene
Concen: 49.34 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9





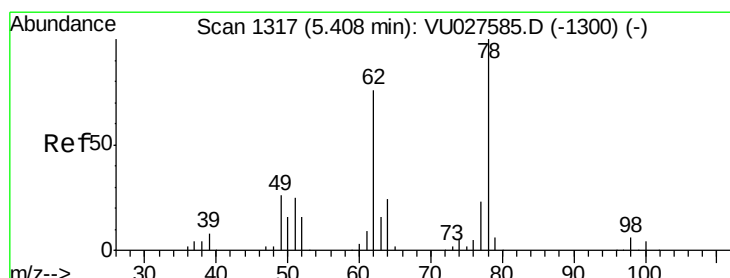
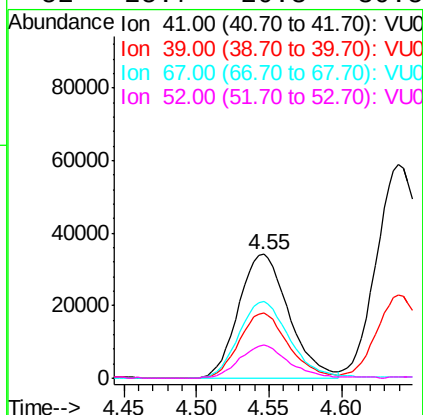
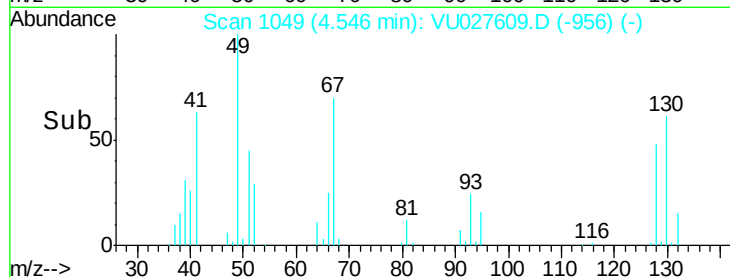
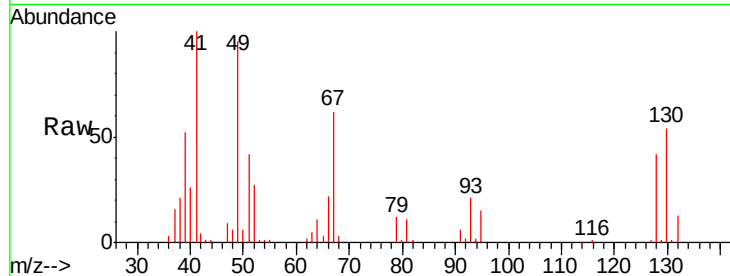
#41
Methacrylonitrile
Concen: 48.84 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.9	41.1	61.7
67	62.9	50.4	75.6
52	25.7	20.3	30.5

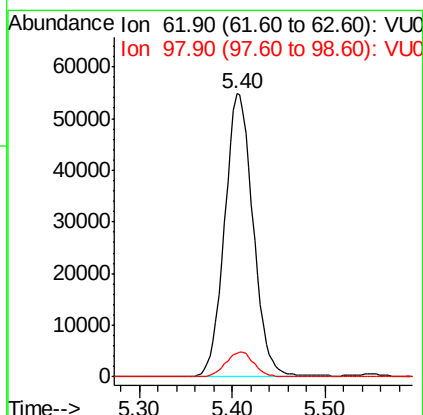
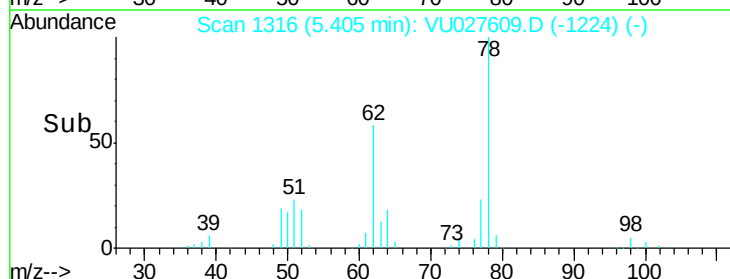
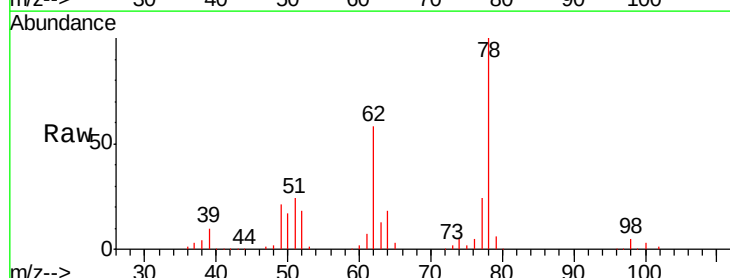
Manual Integrations
APPROVED

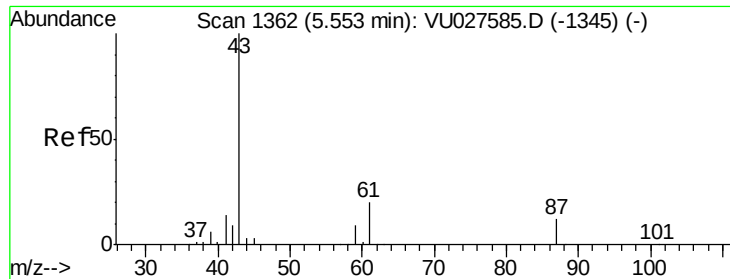
MMDadoda
10/16/2018 2:22:43 PM



#42
1,2-Dichloroethane
Concen: 49.51 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.8





#43

Isopropyl Acetate

Concen: 51.89 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Instrument :

MSVOA_U

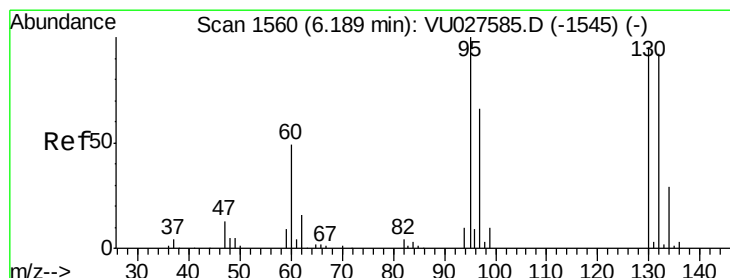
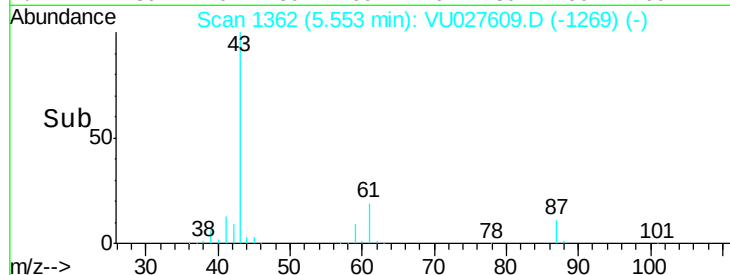
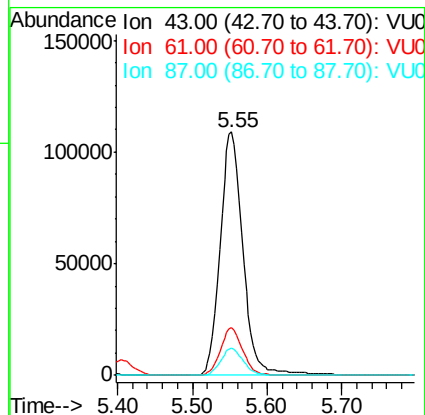
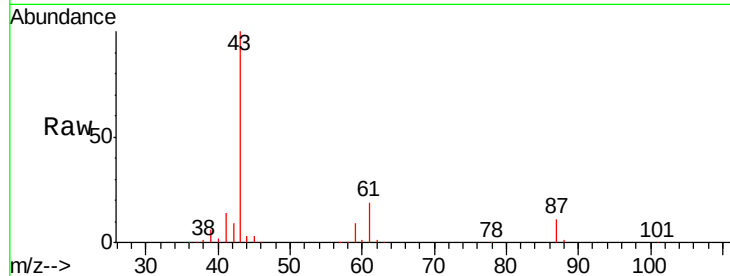
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	227652
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.3	22.9
87	11.1	8.6	13.0

Manual Integrations
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#44

Trichloroethene

Concen: 49.80 ug/l

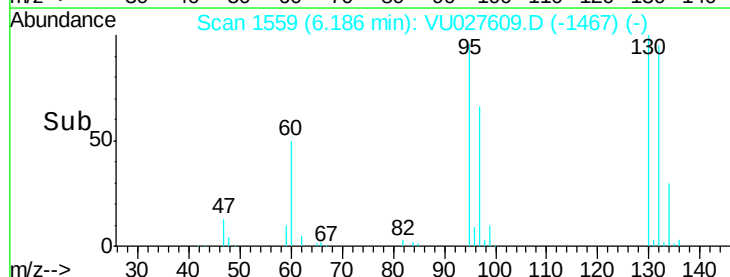
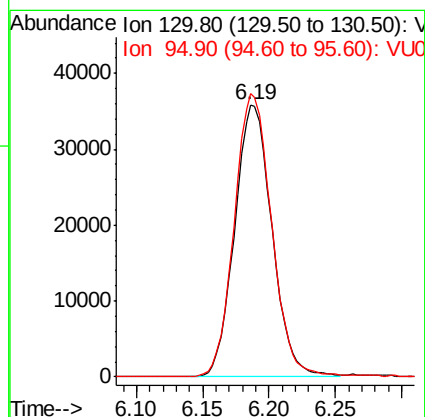
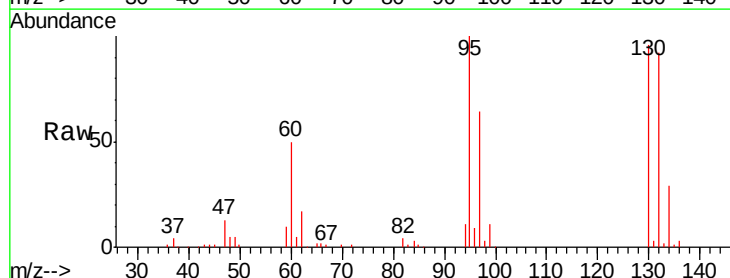
RT: 6.19 min Scan# 1559

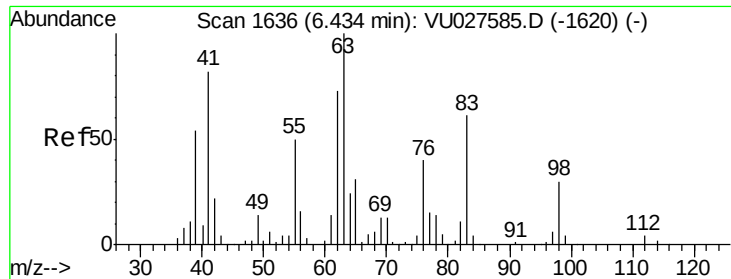
Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Tgt Ion:	130	Resp:	70233
Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	207.0





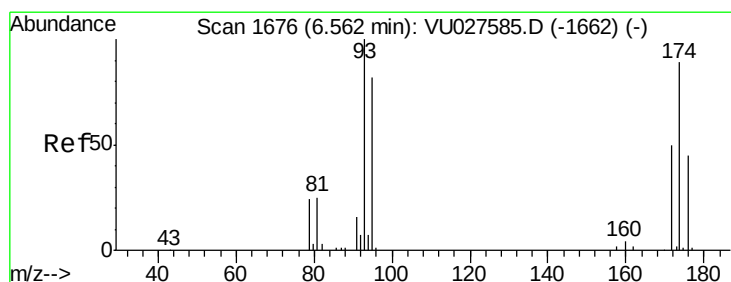
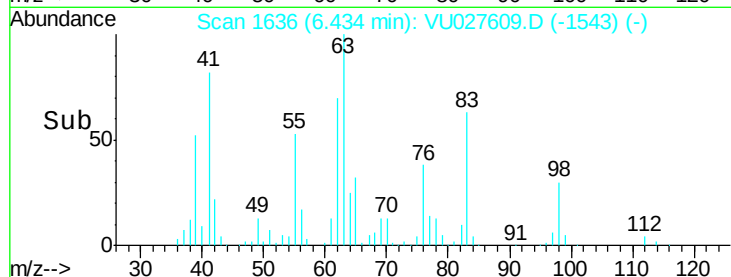
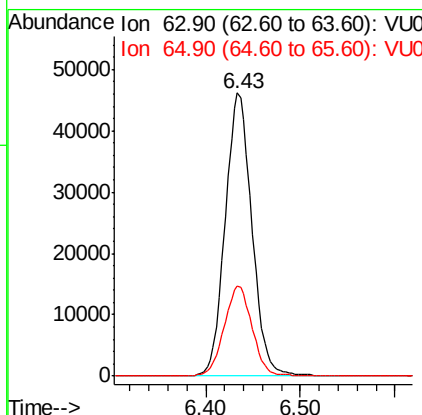
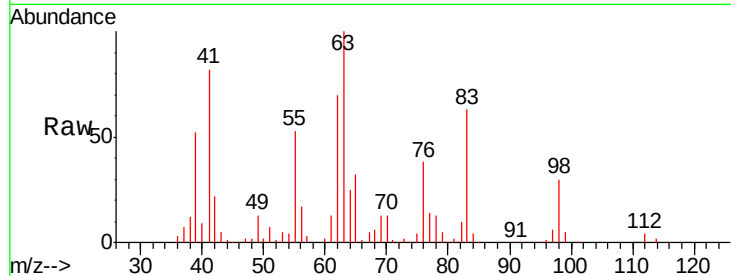
#45
 1,2-Dichloropropane
 Concen: 49.87 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 90679
 Ion Ratio Lower Upper
 63 100
 65 31.8 26.0 39.0

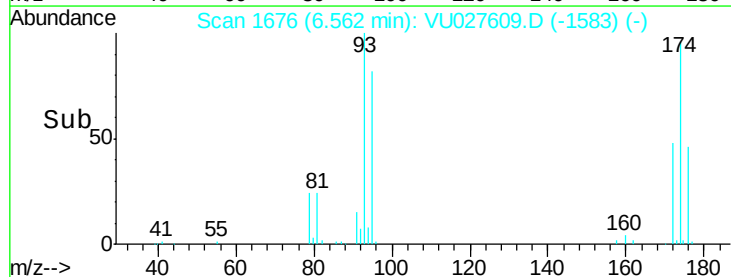
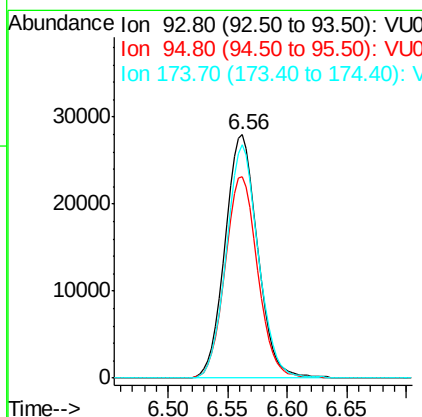
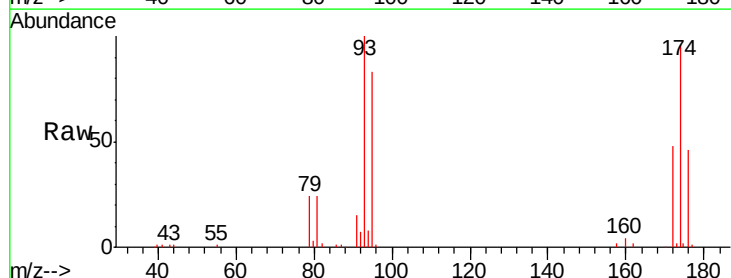
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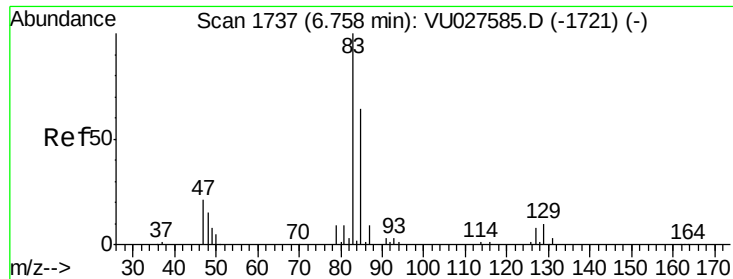
MMDadoda
 10/16/2018 2:22:43 PM



#46
 Dibromomethane
 Concen: 49.71 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Tgt Ion: 93 Resp: 53203
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.5 99.7
 174 93.9 72.5 108.7





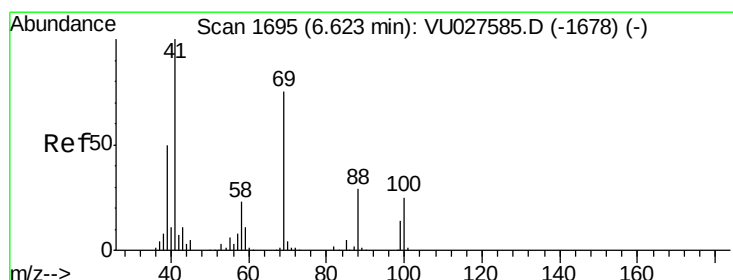
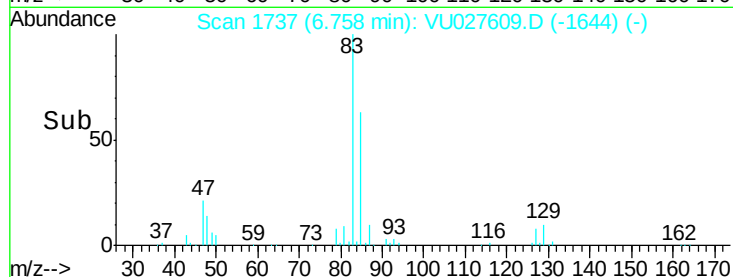
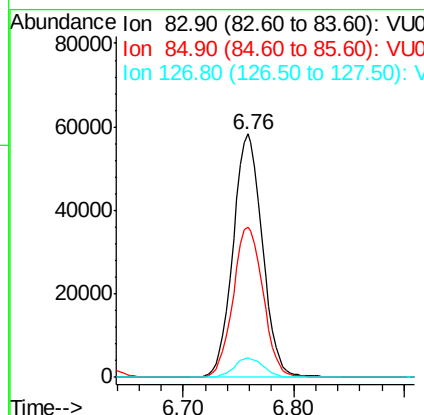
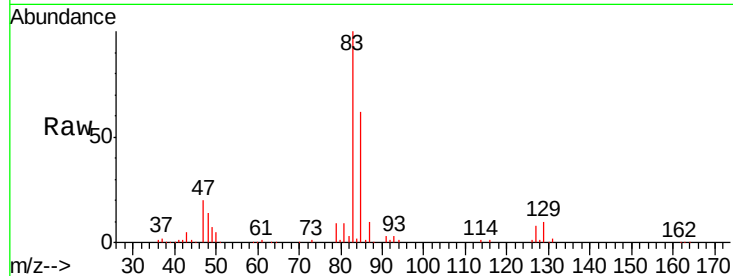
#47
Bromodichloromethane
Concen: 49.98 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	107599		
85	61.9		51.4	77.0
127	7.9		6.3	9.5

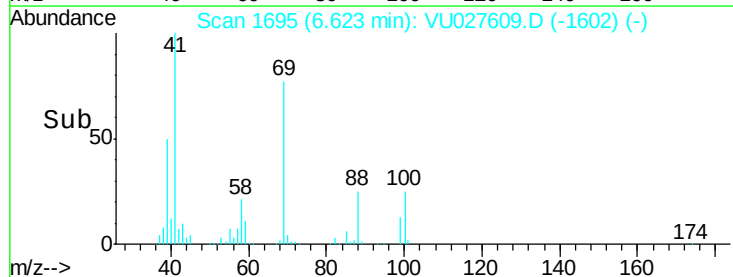
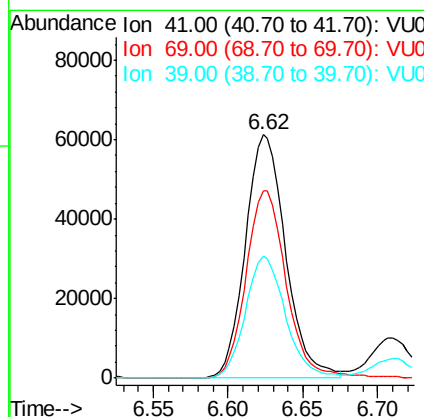
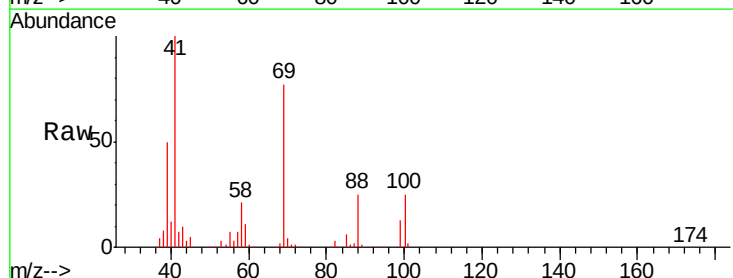
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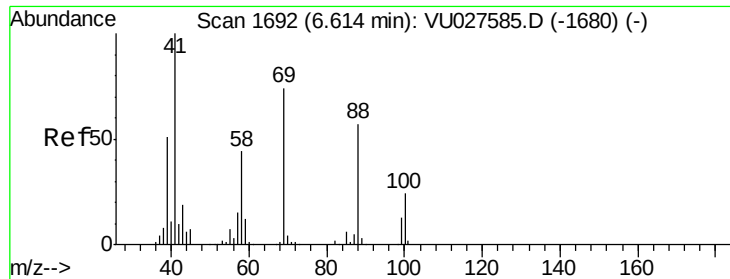
MMDadoda
10/16/2018 2:22:43 PM



#48
Methyl methacrylate
Concen: 47.53 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	114122		
69	77.6		61.0	91.4
39	50.3		39.9	59.9





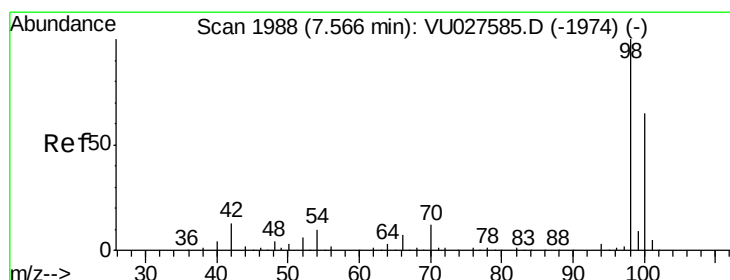
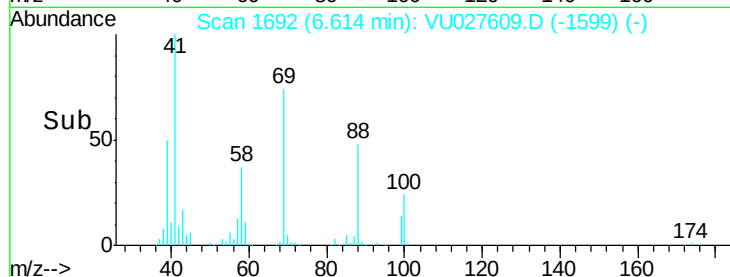
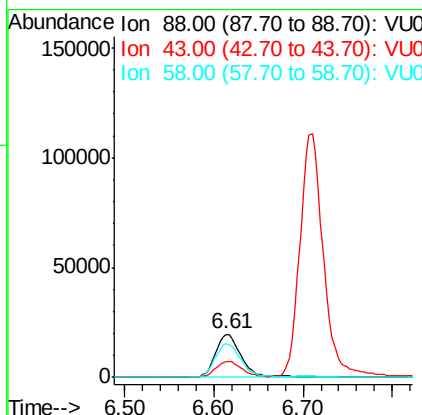
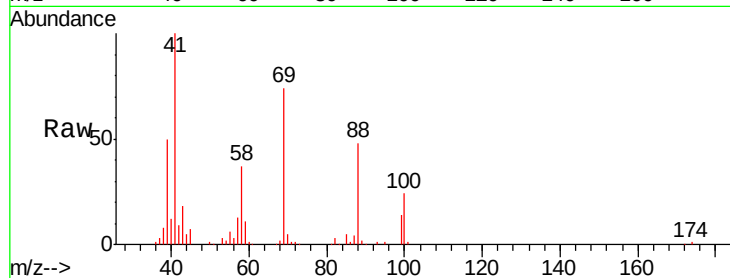
#49
1,4-Dioxane
Concen: 936.25 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.7	30.8	46.2
58	79.8	67.0	100.6

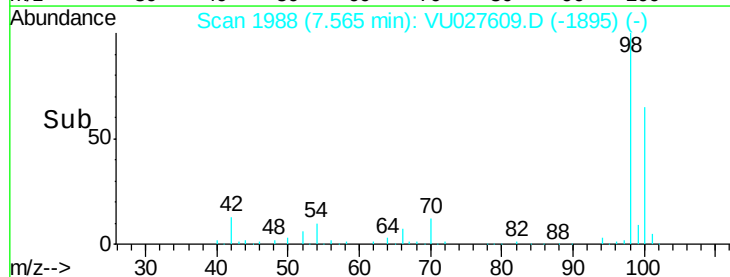
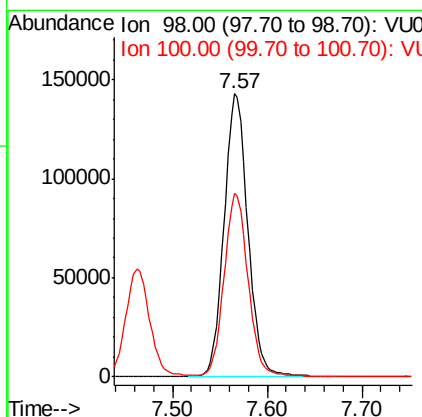
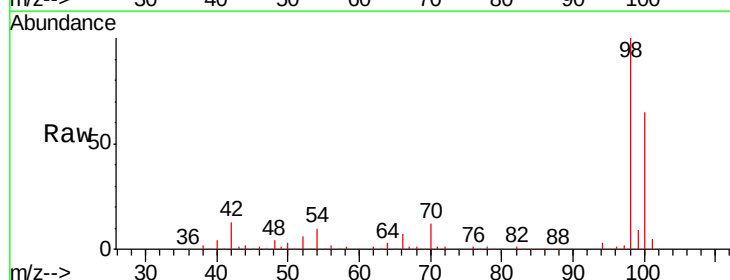
Manual Integrations
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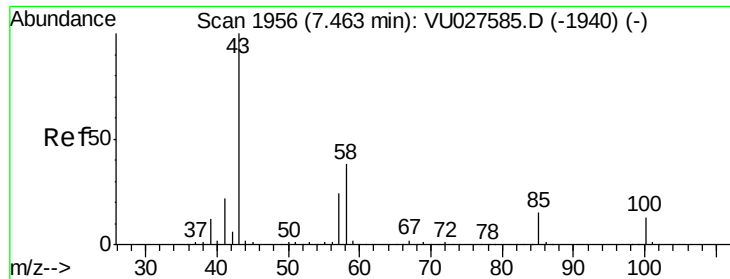
MMDadoda
10/16/2018 2:22:43 PM



#50
Toluene-d8
Concen: 47.89 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 256.40 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 756244

Ion Ratio Lower Upper

43 100

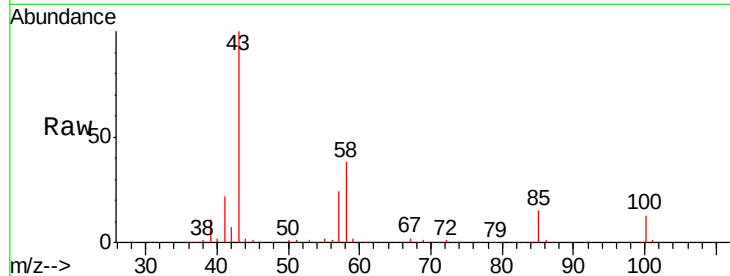
58 37.8 29.8 44.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

400000

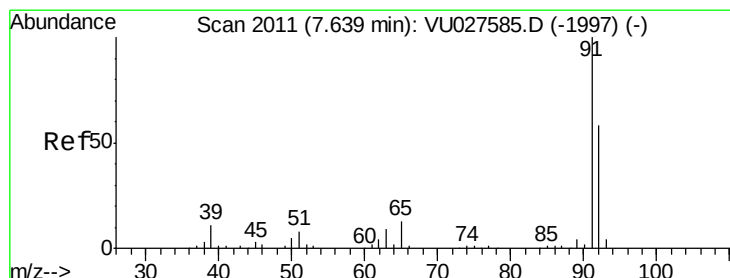
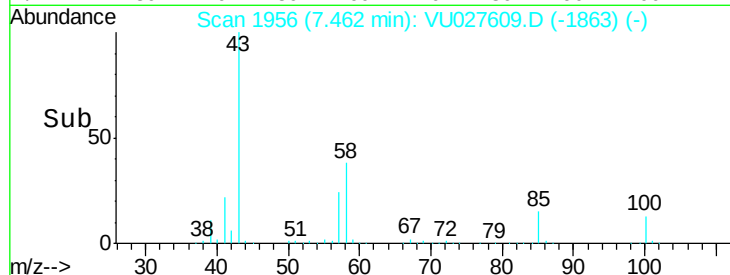
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.82 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027609.D

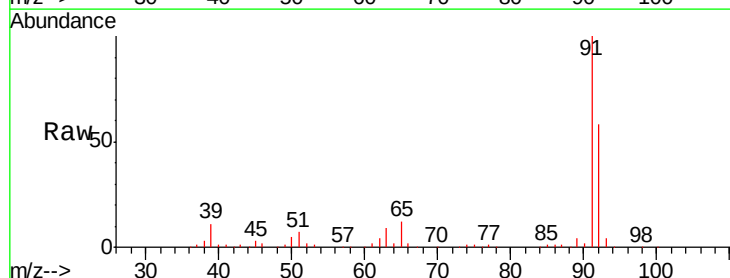
Acq: 11 Oct 2018 19:14

Tgt Ion: 92 Resp: 185769

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

7.64

200000

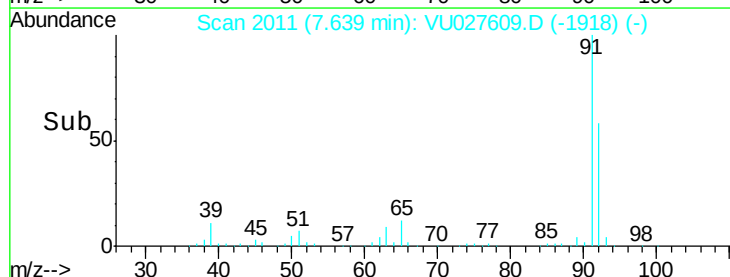
150000

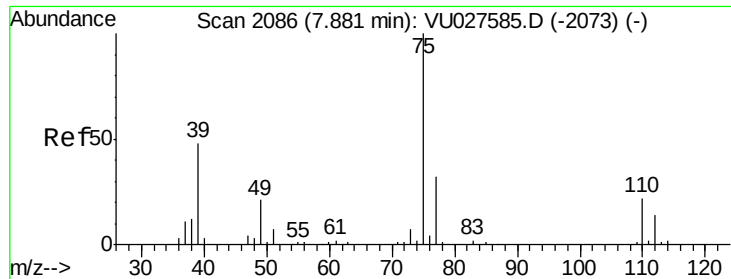
100000

50000

0

Time-->





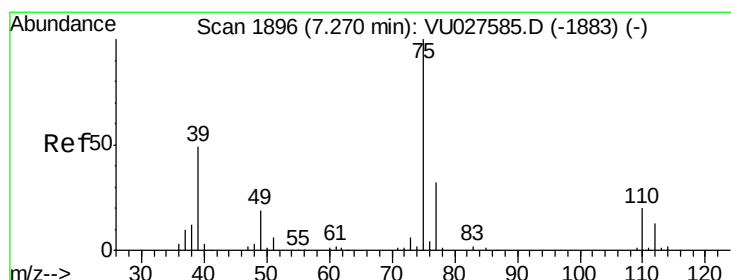
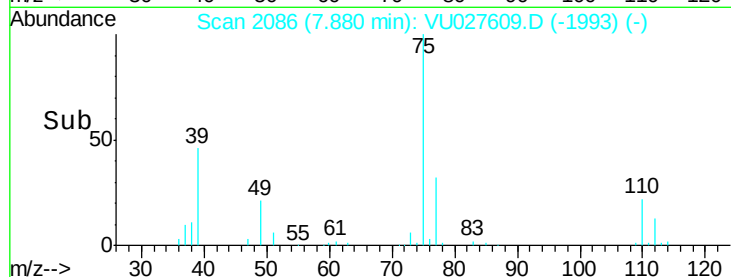
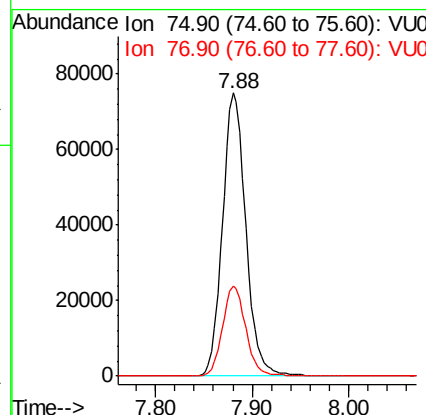
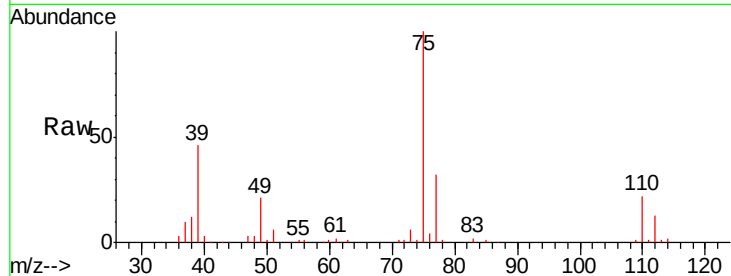
#53
t-1,3-Dichloropropene
Concen: 51.24 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 125607
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.6

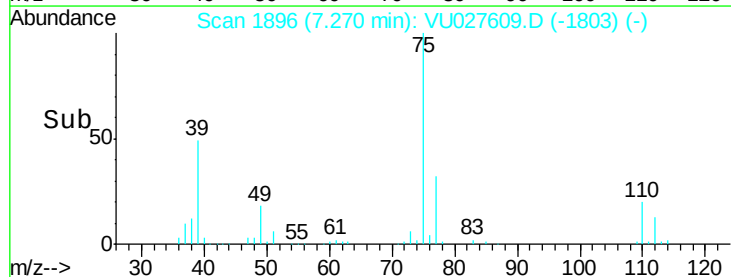
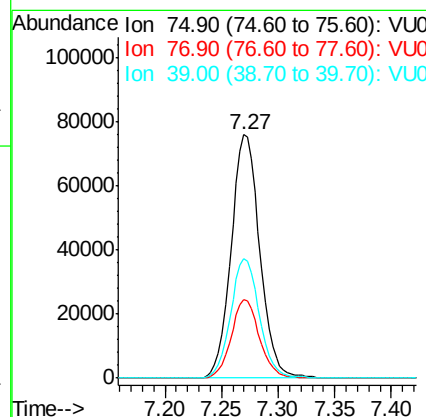
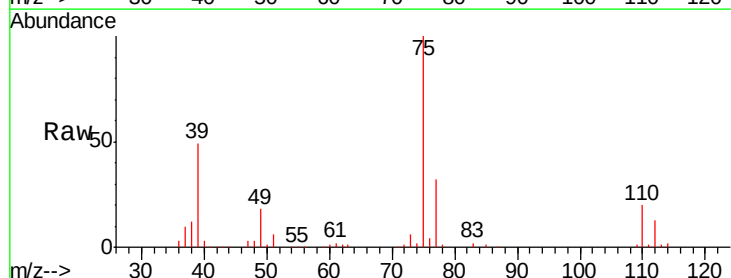
Manual Integrations
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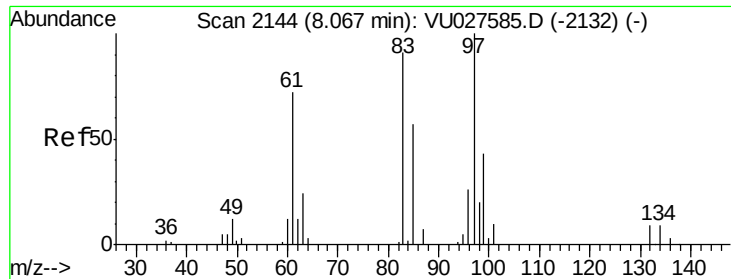
MMDadoda
10/16/2018 2:22:43 PM



#54
cis-1,3-Dichloropropene
Concen: 50.03 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion: 75 Resp: 133459
Ion Ratio Lower Upper
75 100
77 32.4 24.5 36.7
39 49.1 40.1 60.1





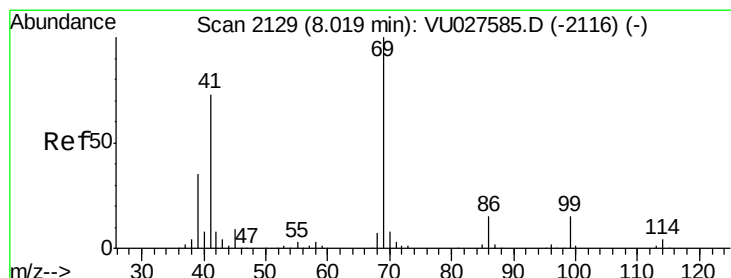
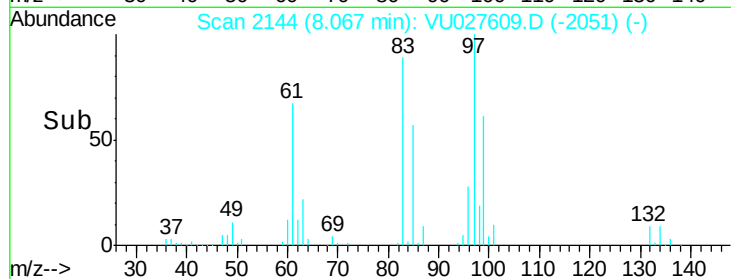
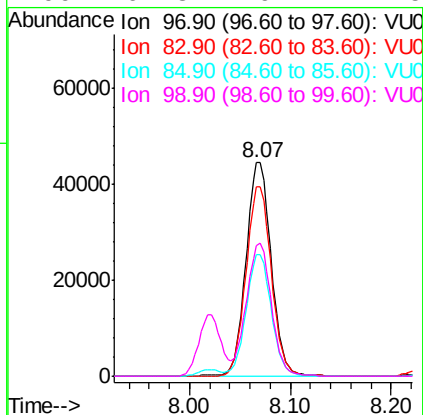
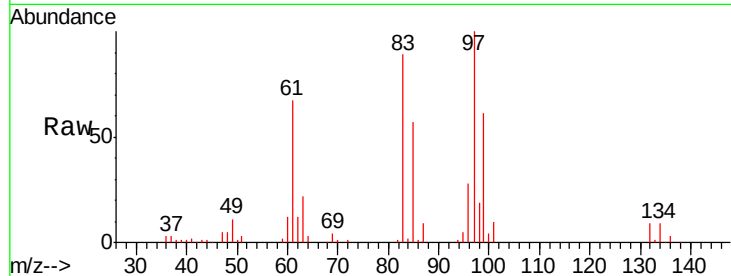
#55
 1,1,2-Trichloroethane
 Concen: 50.74 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	76531
Ion	Ratio	Lower	Upper
97	100		
83	88.8	73.0	109.6
85	56.8	47.3	70.9
99	61.3	49.7	74.5

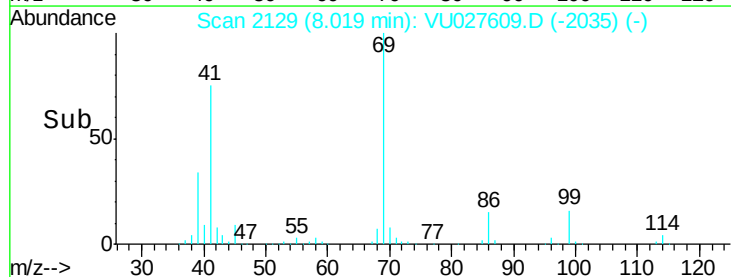
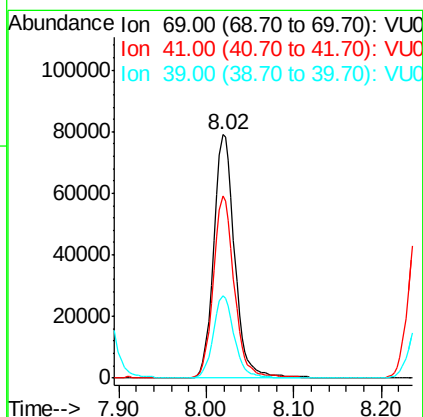
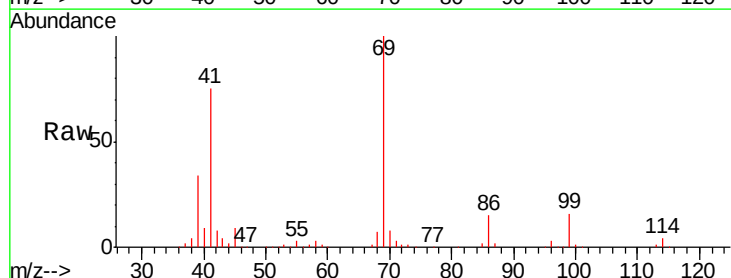
Manual Integrations
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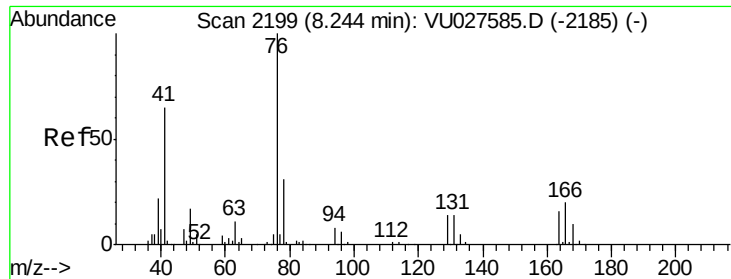
MMDadoda
 10/16/2018 2:22:43 PM



#56
 Ethyl methacrylate
 Concen: 47.42 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Tgt Ion:	69	Resp:	131654
Ion	Ratio	Lower	Upper
69	100		
41	75.3	60.0	90.0
39	33.6	29.5	44.3





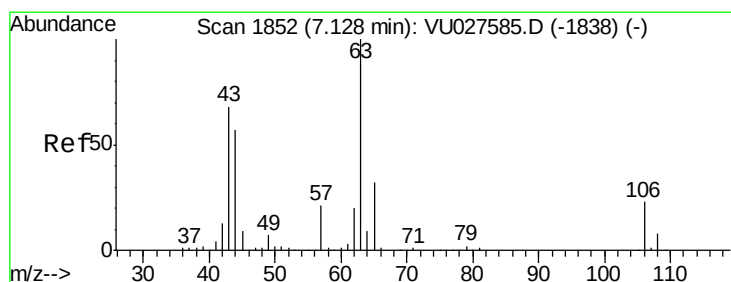
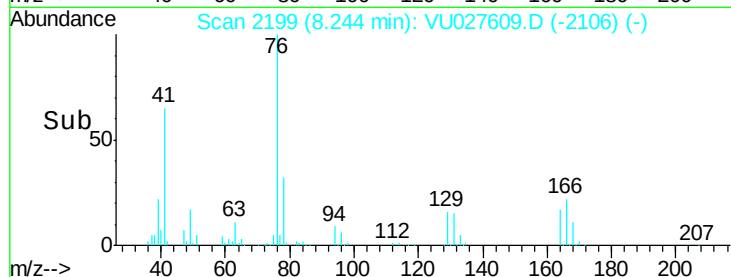
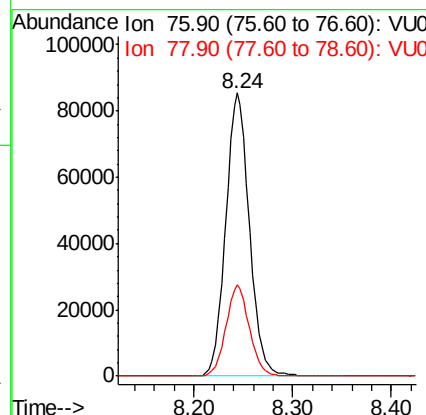
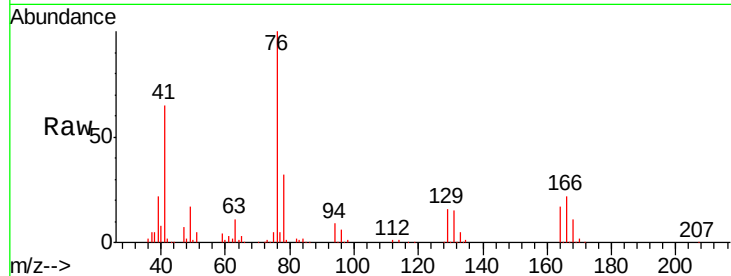
#57
 1,3-Dichloropropane
 Concen: 50.15 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 143692
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6

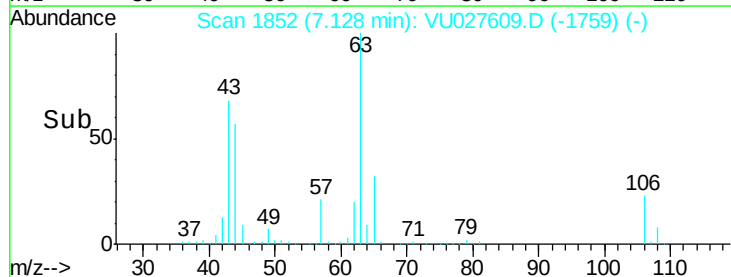
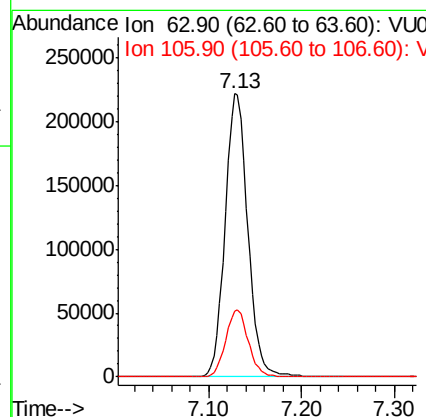
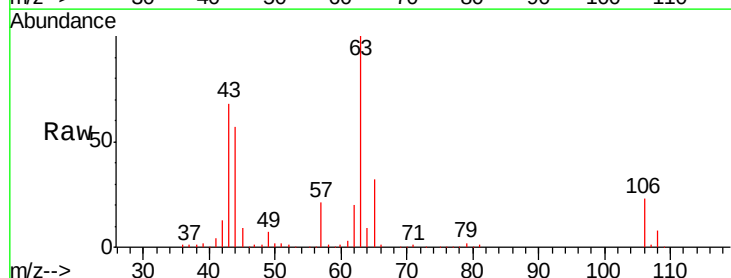
Manual Integrations
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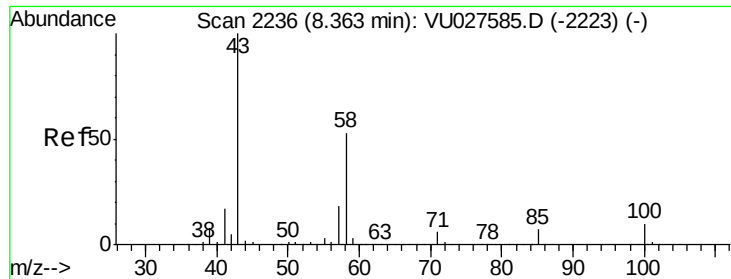
MMDadoda
 10/16/2018 2:22:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.28 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Tgt Ion: 63 Resp: 376304
 Ion Ratio Lower Upper
 63 100
 106 23.8 18.5 27.7





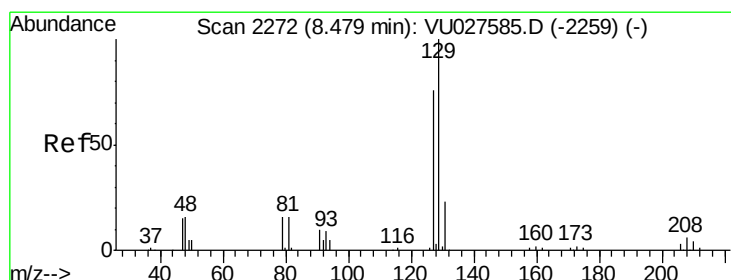
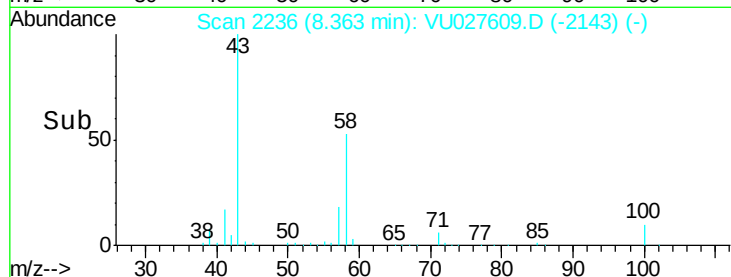
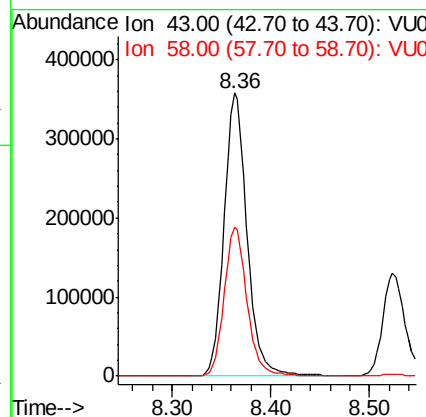
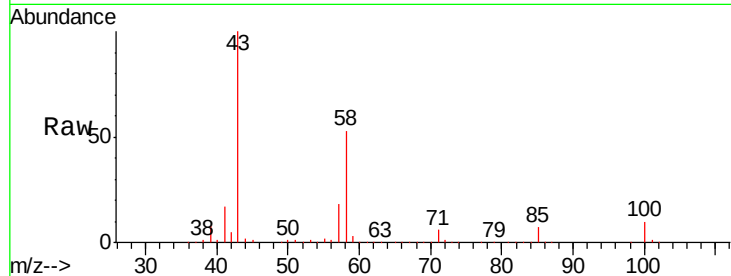
#59
2-Hexanone
Concen: 254.06 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 584570
Ion Ratio Lower Upper
43 100
58 52.7 26.1 78.3

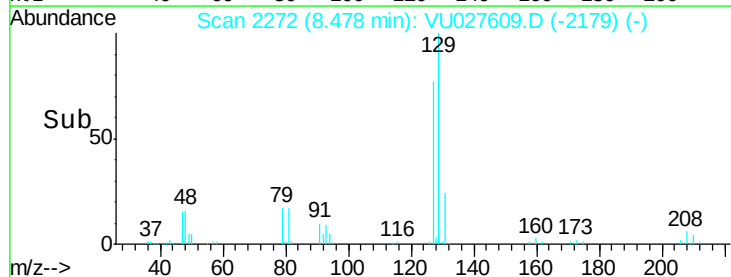
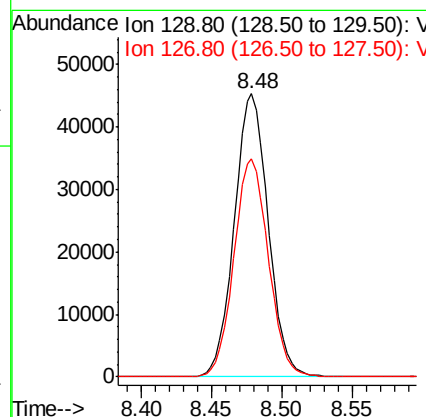
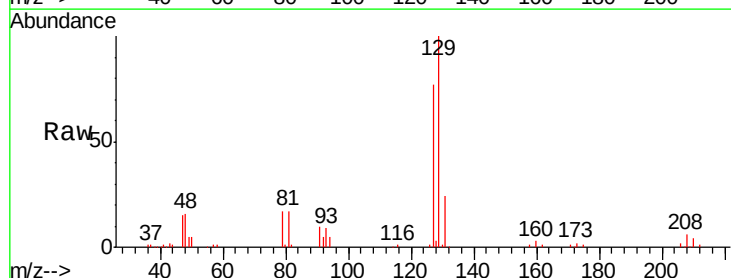
Manual Integrations
APPROVED

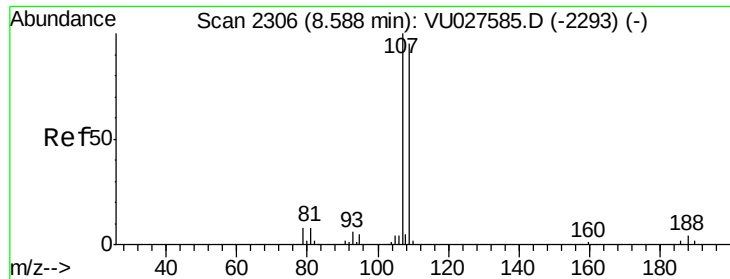
MMDadoda
10/16/2018 2:22:43 PM



#60
Dibromochloromethane
Concen: 50.63 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion: 129 Resp: 76322
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2





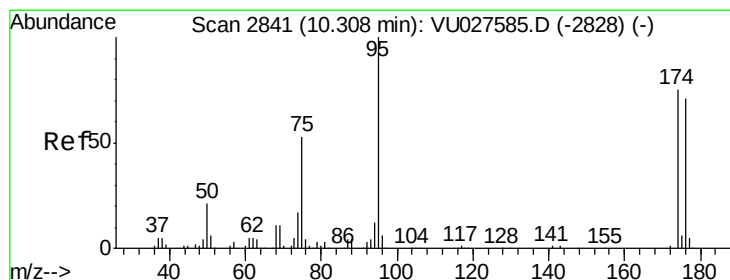
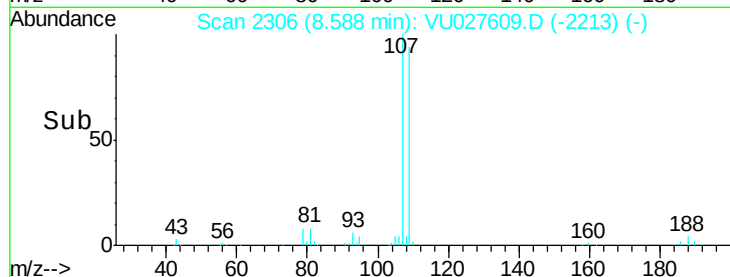
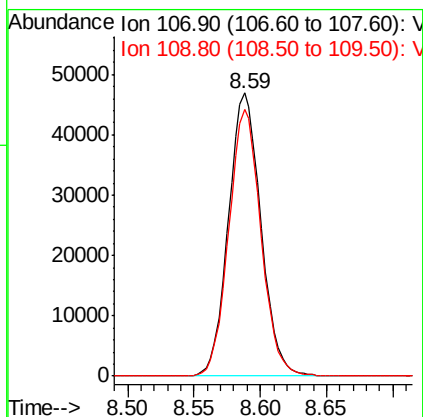
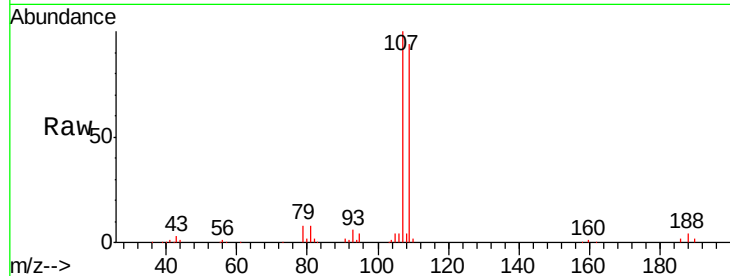
#61
 1,2-Dibromoethane
 Concen: 50.26 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 79820
 Ion Ratio Lower Upper
 107 100
 109 93.4 74.5 111.7

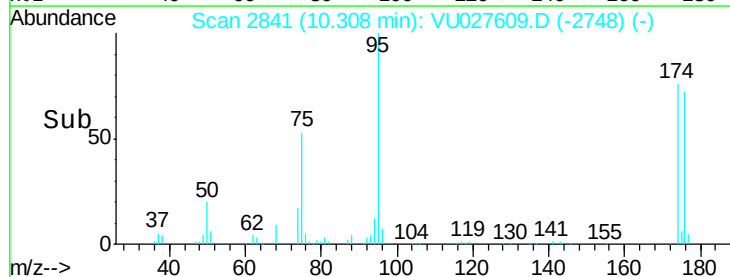
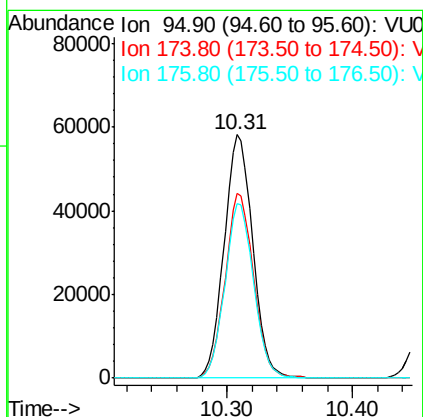
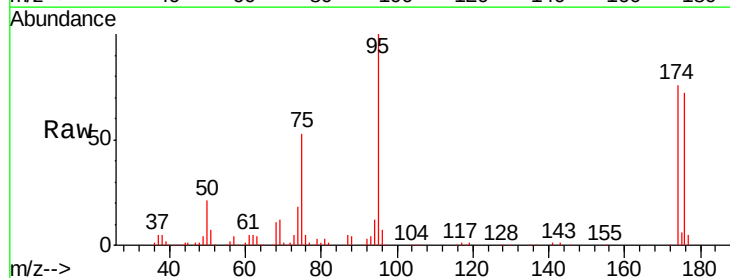
Manual Integrations
 APPROVED

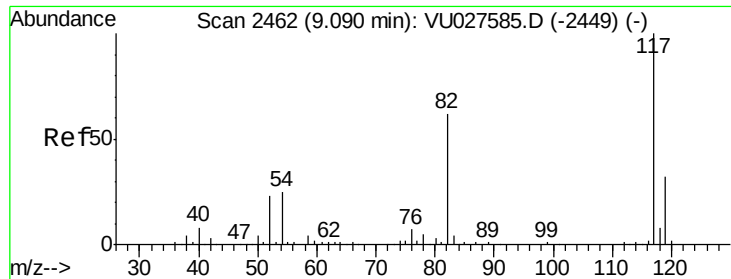
MMDadoda
 10/16/2018 2:22:43 PM



#62
 4-Bromofluorobenzene
 Concen: 48.66 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Tgt Ion: 95 Resp: 91972
 Ion Ratio Lower Upper
 95 100
 174 75.6 0.0 147.8
 176 71.8 0.0 140.8





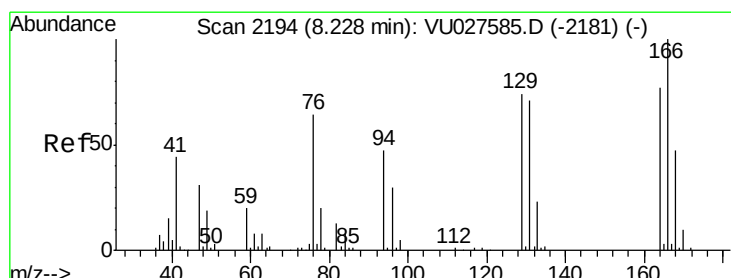
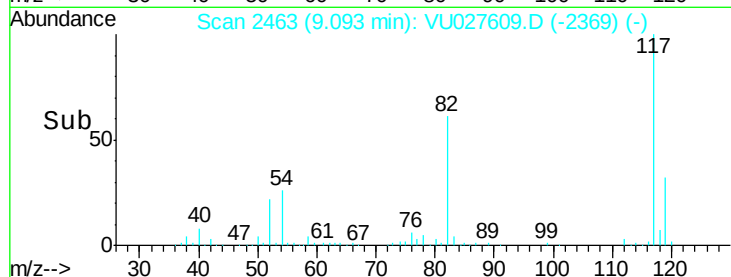
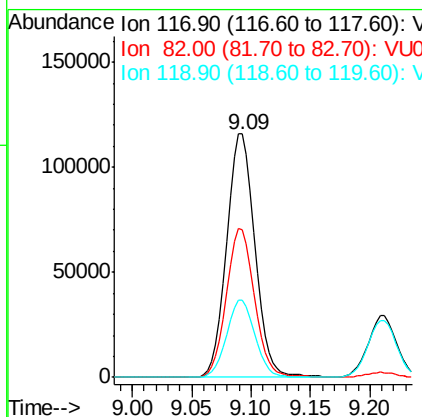
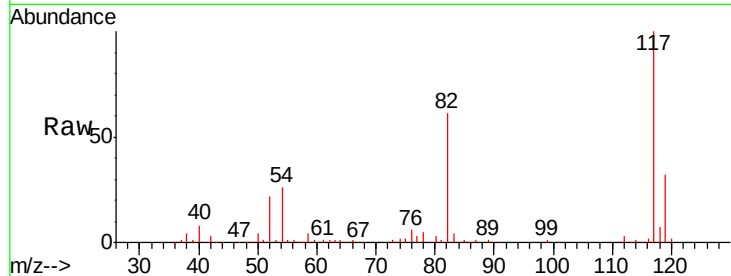
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	192066		
82	60.7	49.2	73.8	
119	31.8	25.7	38.5	

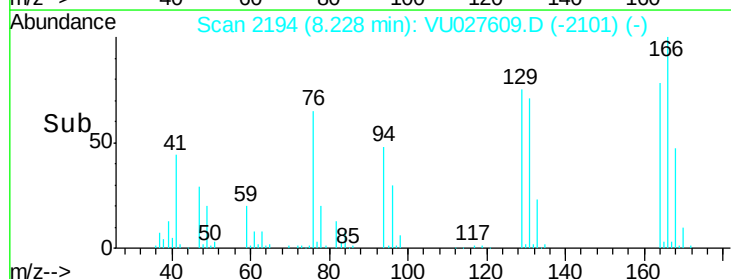
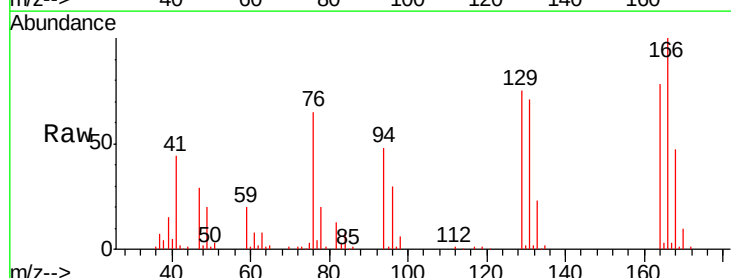
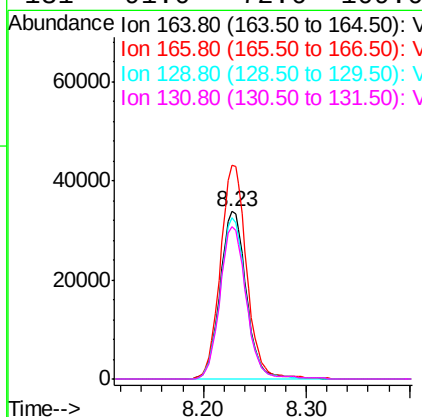
Manual Integrations
APPROVED

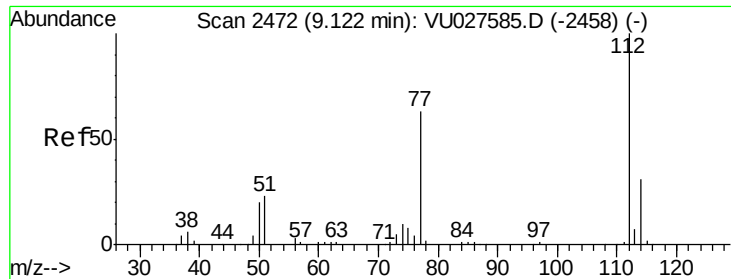
MMDadoda
10/16/2018 2:22:43 PM



#64
Tetrachloroethene
Concen: 50.17 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59855		
166	127.6	101.0	151.6	
129	96.2	78.0	117.0	
131	91.0	72.6	109.0	





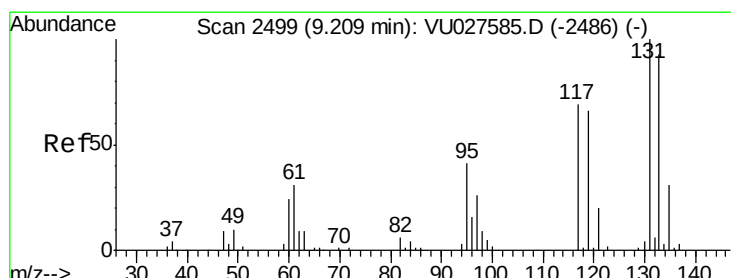
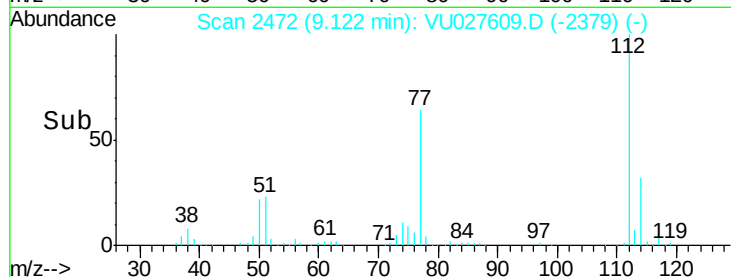
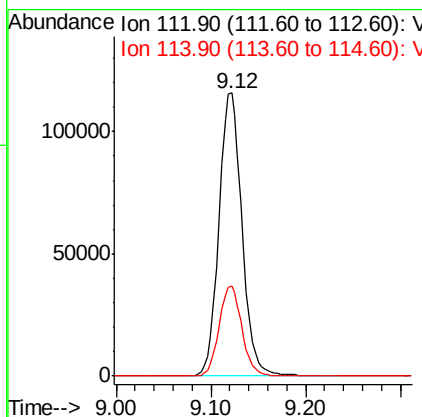
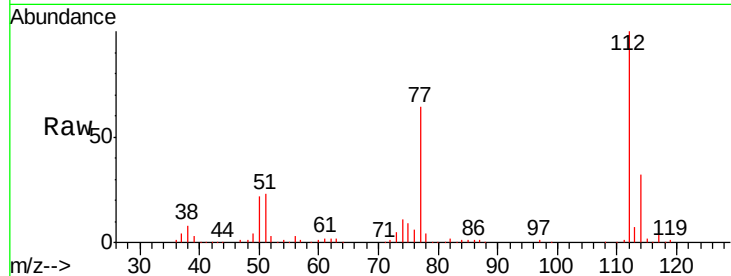
#65
Chlorobenzene
Concen: 49.05 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	195425		
114	31.9	25.8	38.6	

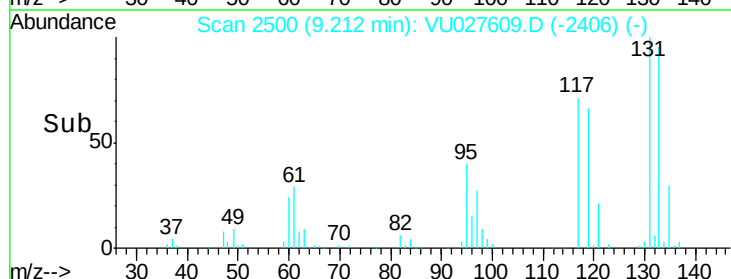
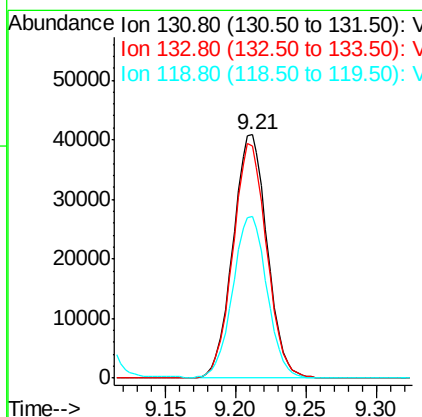
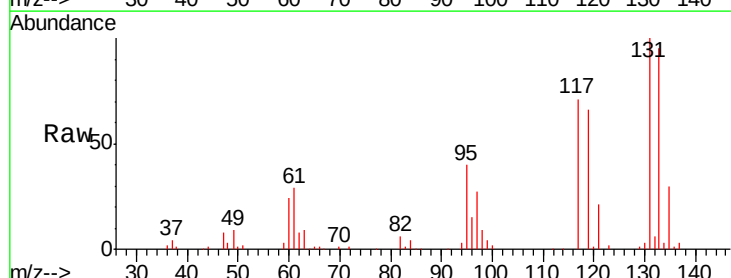
Manual Integrations
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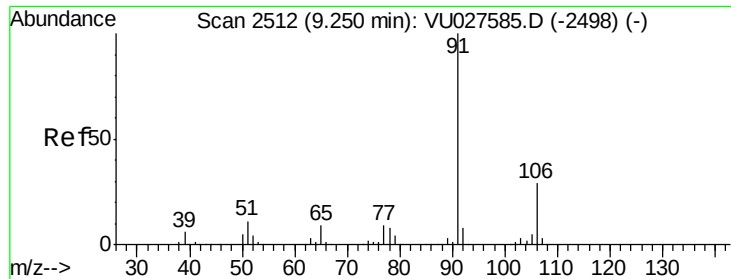
MMDadoda
10/16/2018 2:22:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.01 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	69490		
133	95.0	48.5	145.6	
119	66.6	33.5	100.4	





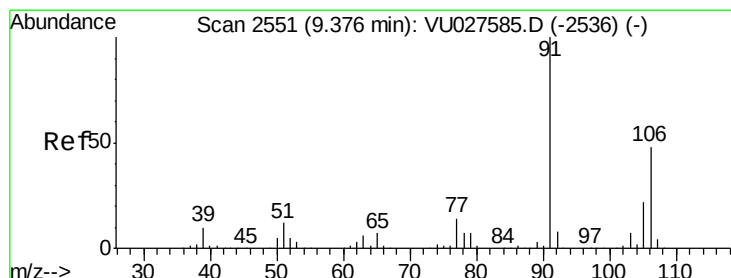
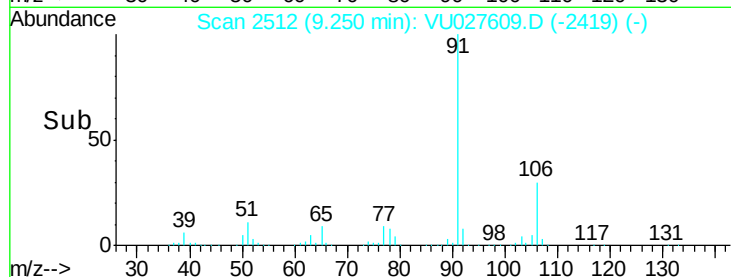
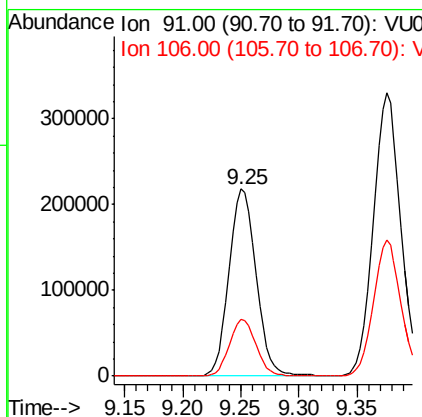
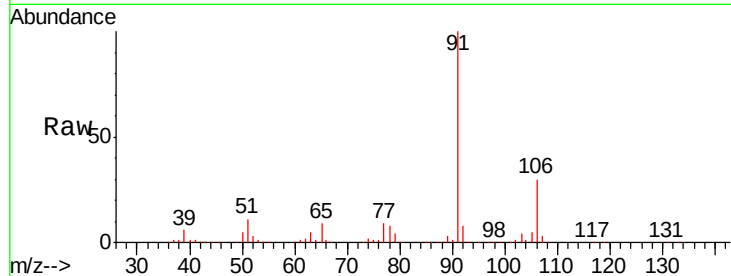
#67
Ethyl Benzene
 Concen: 51.57 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 352434
 Ion Ratio Lower Upper
 91 100
 106 30.1 23.6 35.4

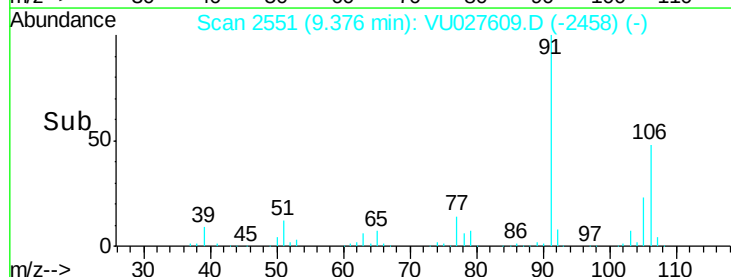
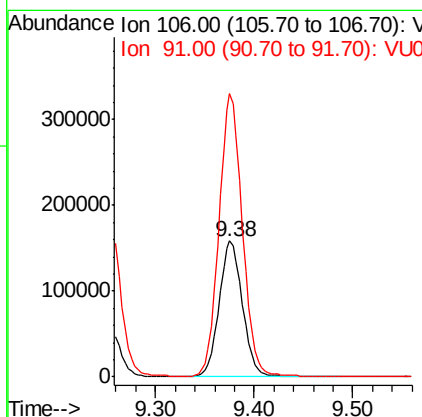
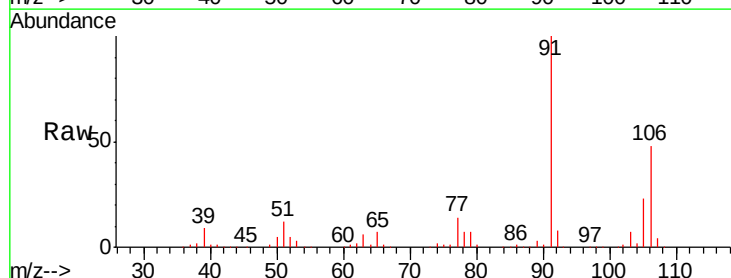
Manual Integrations
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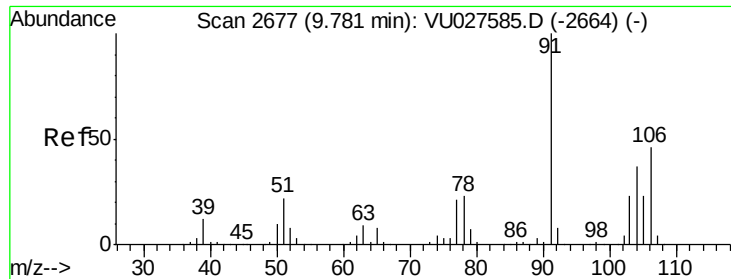
MMDadoda
 10/16/2018 2:22:43 PM



#68
m/p-Xylenes
 Concen: 105.70 ug/l
 RT: 9.38 min Scan# 2551
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Tgt Ion: 106 Resp: 263747
 Ion Ratio Lower Upper
 106 100
 91 208.1 168.1 252.1





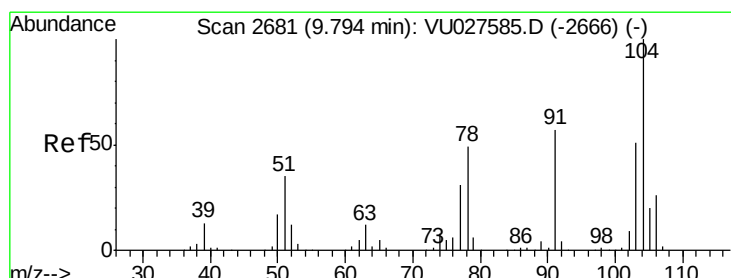
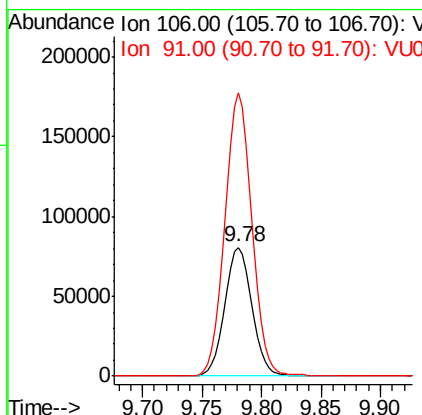
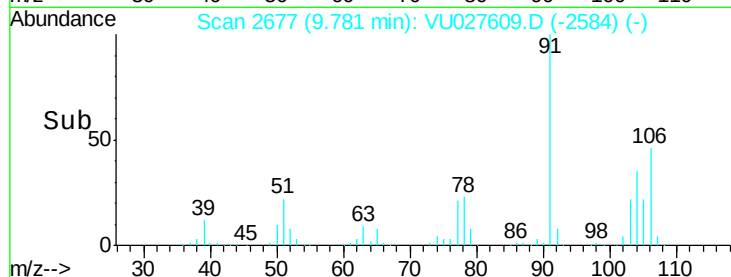
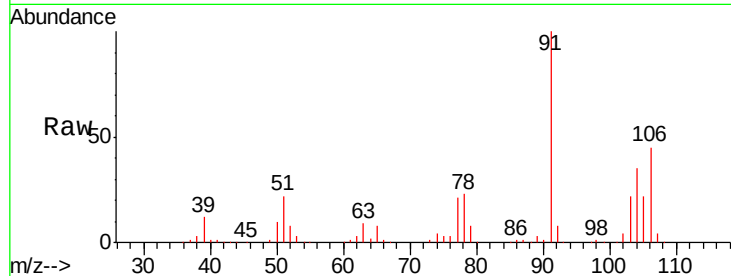
#69
o-Xylene
Concen: 52.71 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 127853
Ion Ratio Lower Upper
106 100
91 218.7 111.7 334.9

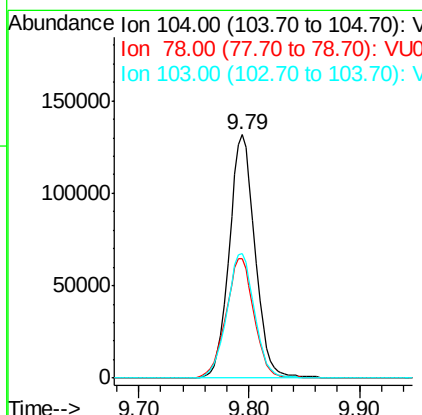
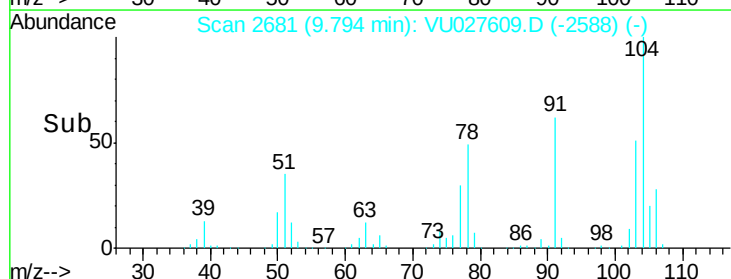
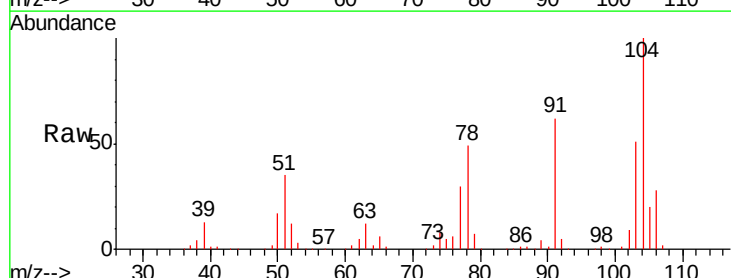
Manual Integrations
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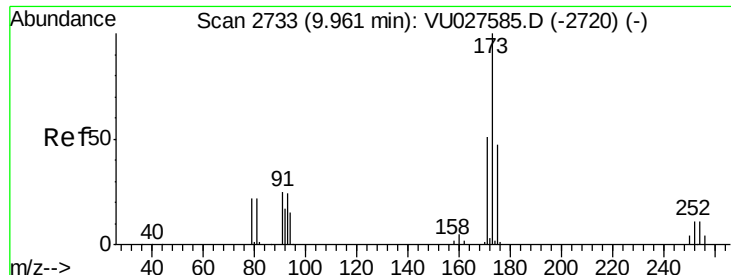
MMDadoda
10/16/2018 2:22:43 PM



#70
Styrene
Concen: 47.74 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion:104 Resp: 213304
Ion Ratio Lower Upper
104 100
78 53.5 42.9 64.3
103 55.1 43.9 65.9





#71

Bromoform

Concen: 51.02 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 57775

Ion Ratio Lower Upper

173 100

175 48.4 24.3 73.0

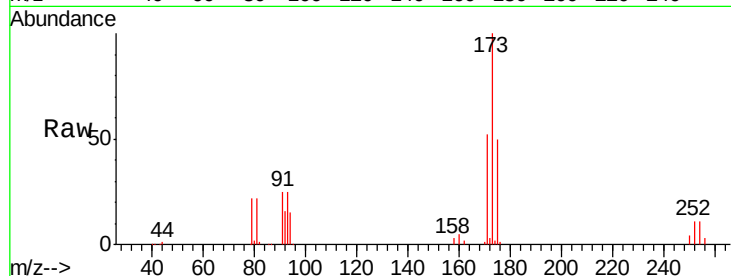
254 0.0 0.0 0.0

Manual Integrations

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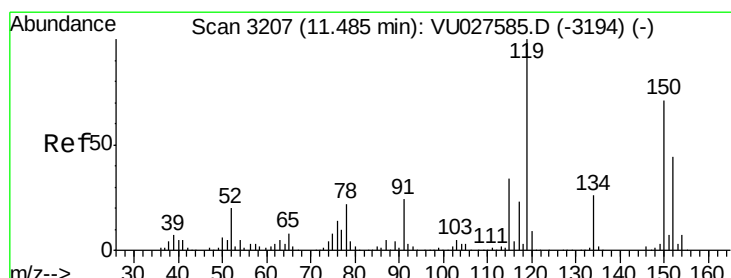
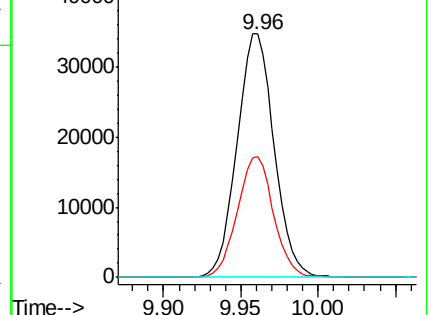
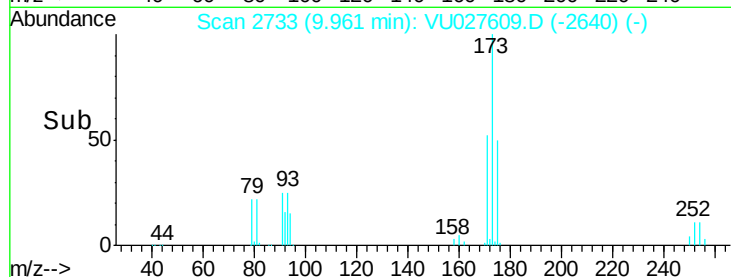
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

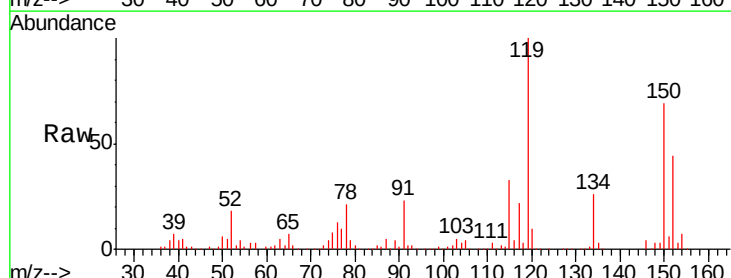
Tgt Ion:152 Resp: 94412

Ion Ratio Lower Upper

152 100

115 83.6 43.4 130.2

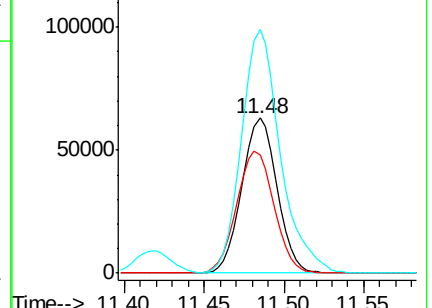
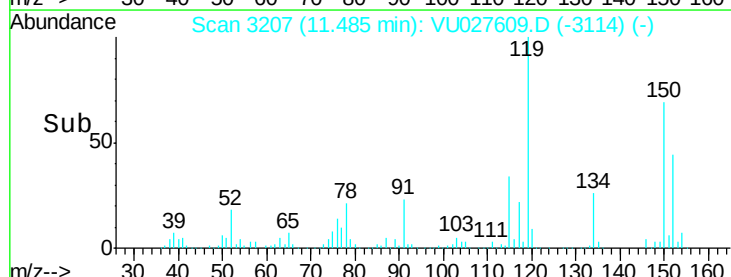
150 173.6 0.0 349.2

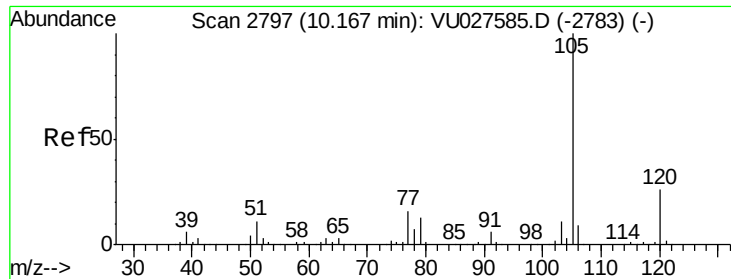


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





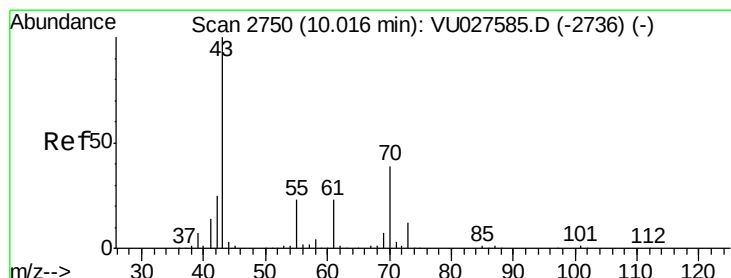
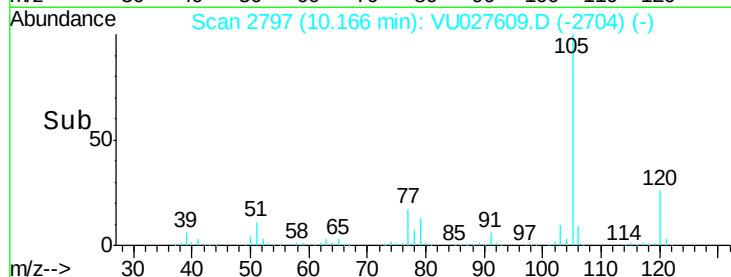
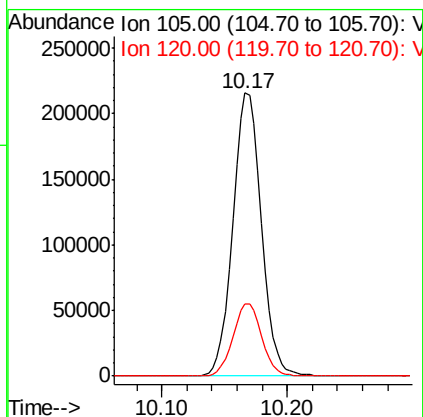
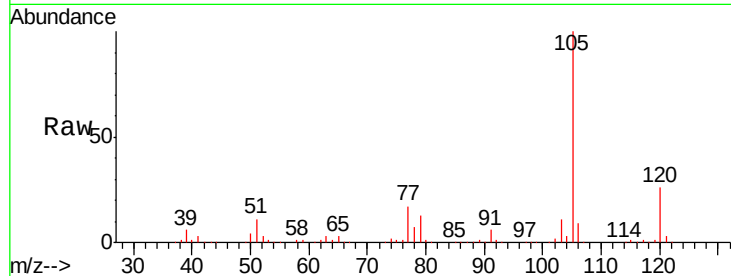
#73
Isopropylbenzene
Concen: 53.49 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 105 Resp: 340018
Ion Ratio Lower Upper
105 100
120 26.0 12.6 37.8

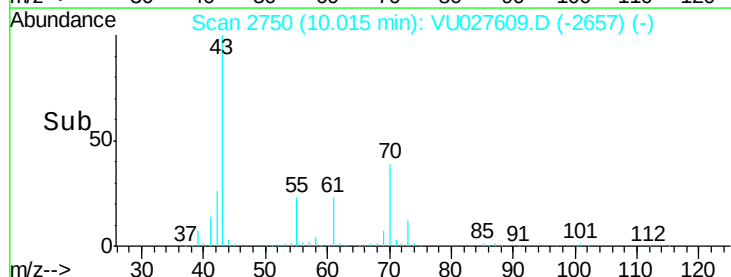
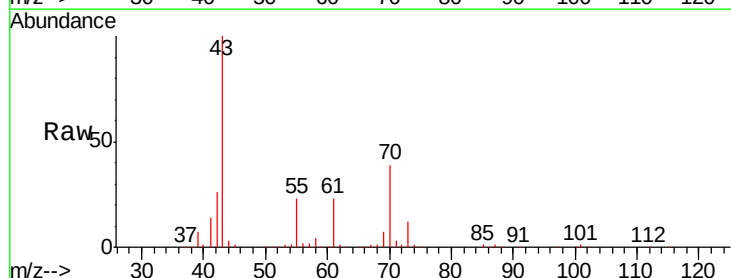
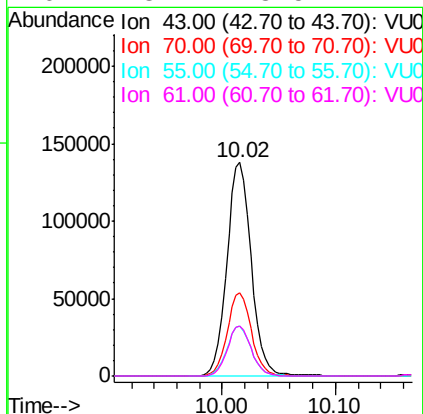
Manual Integrations
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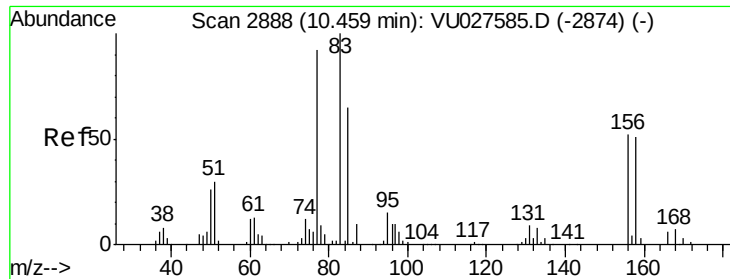
MMDadoda
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#74
N-ethyl acetate
Concen: 54.80 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion: 43 Resp: 205459
Ion Ratio Lower Upper
43 100
70 38.8 31.3 46.9
55 23.4 19.0 28.6
61 23.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.75 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 133295
Ion Ratio Lower Upper

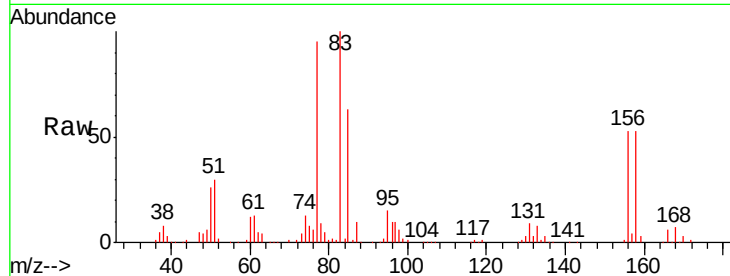
83 100

131 8.7 4.4 13.2

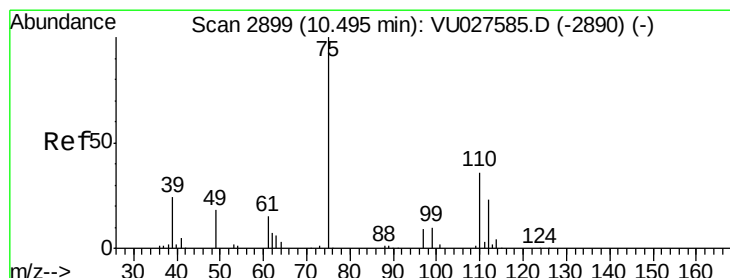
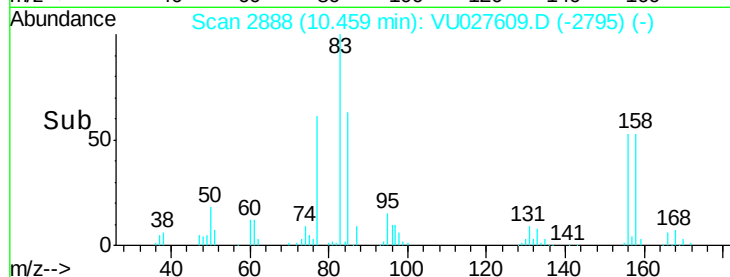
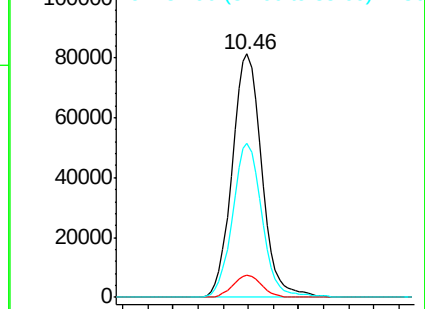
85 62.9 32.0 96.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VU027609.D (-2795) (-)
Ion 130.80 (130.50 to 131.50): VU027609.D (-2795) (-)
Ion 84.90 (84.60 to 85.60): VU027609.D (-2795) (-)



#76

1,2,3-Trichloropropane

Concen: 48.53 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

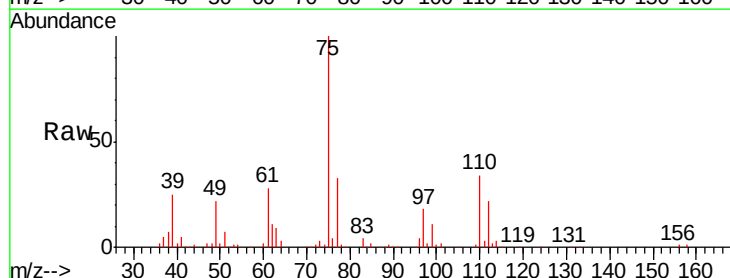
Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

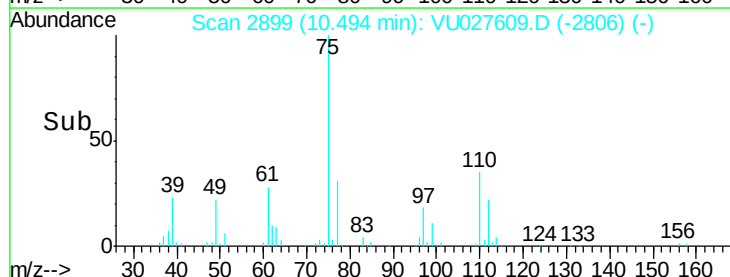
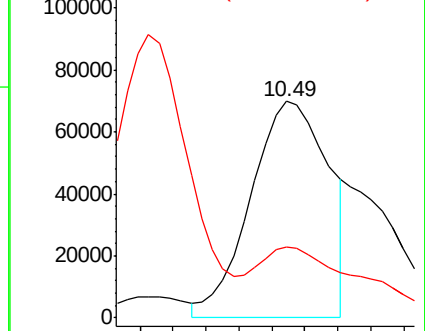
Tgt Ion: 75 Resp: 114310
Ion Ratio Lower Upper

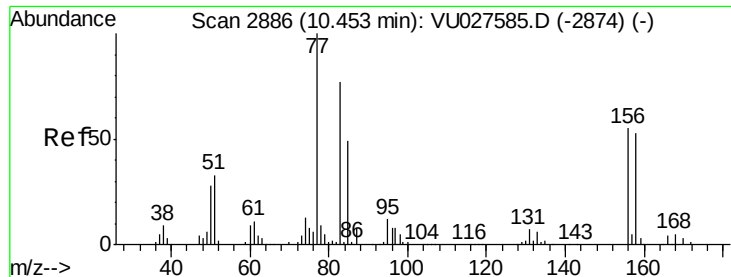
75 100

77 43.0 20.3 60.9



Abundance Ion 74.90 (74.60 to 75.60): VU027609.D (-2806) (-)
Ion 77.00 (76.70 to 77.70): VU027609.D (-2806) (-)





#77

Bromobenzene

Concen: 51.09 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Instrument :

MSVOA_U

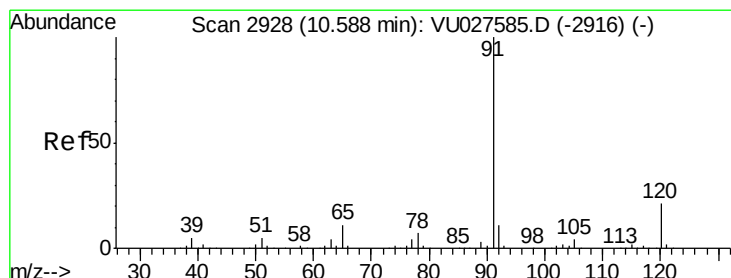
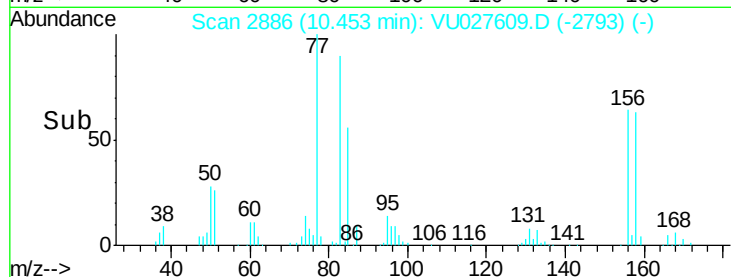
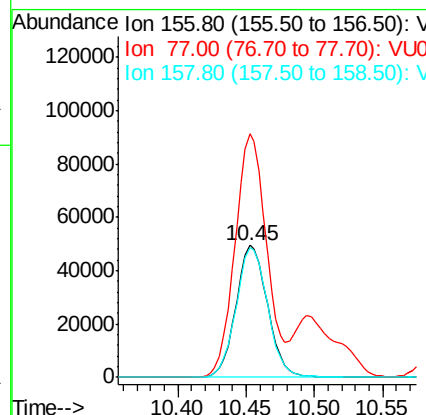
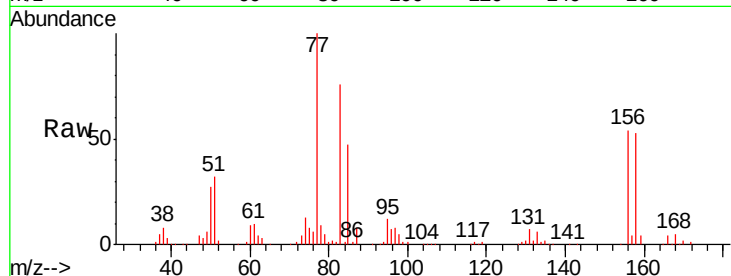
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
156	100		
77	184.1	94.8	284.4
158	98.4	47.4	142.3

Manual Integrations
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#78

n-propylbenzene

Concen: 53.77 ug/l

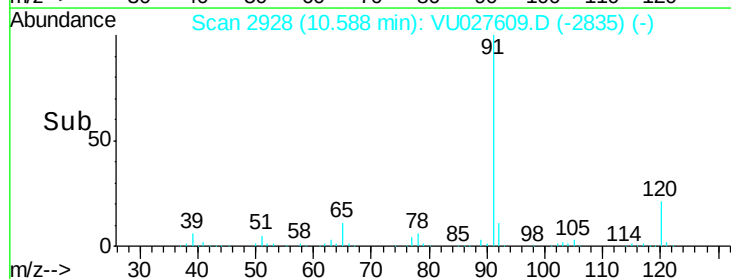
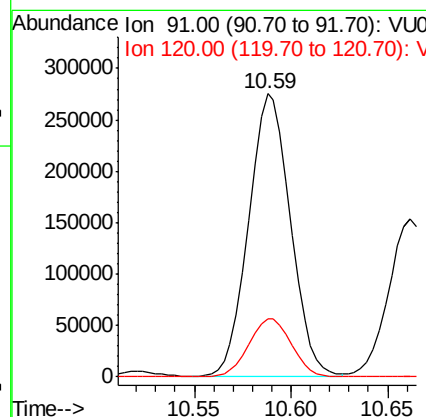
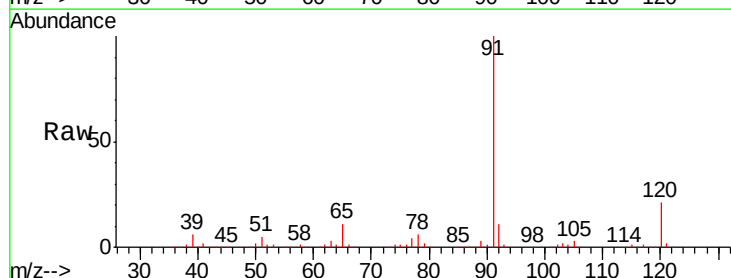
RT: 10.59 min Scan# 2928

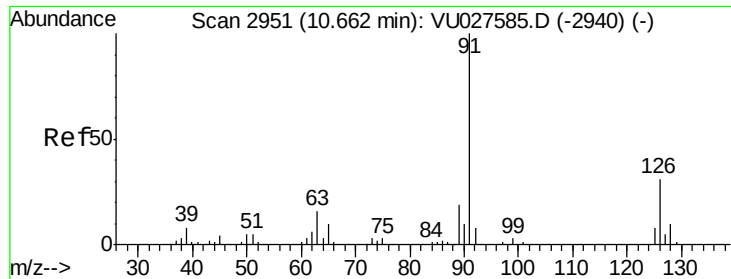
Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.6	31.8





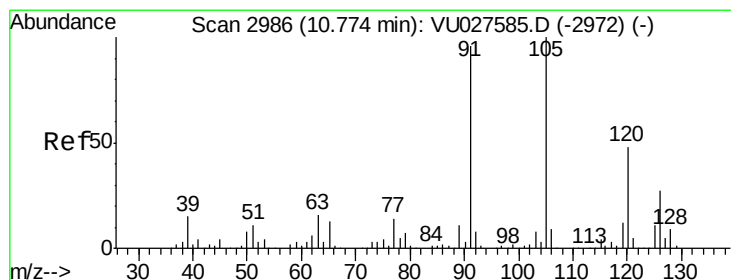
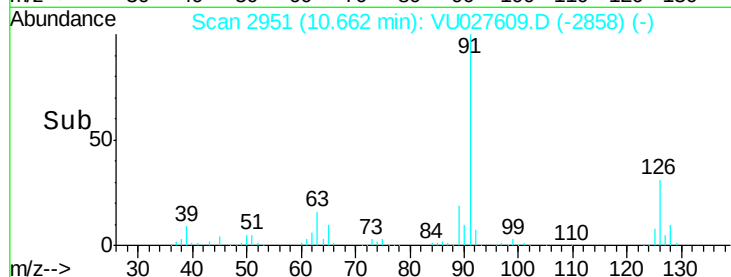
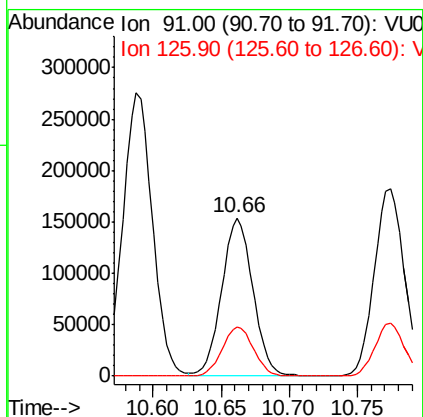
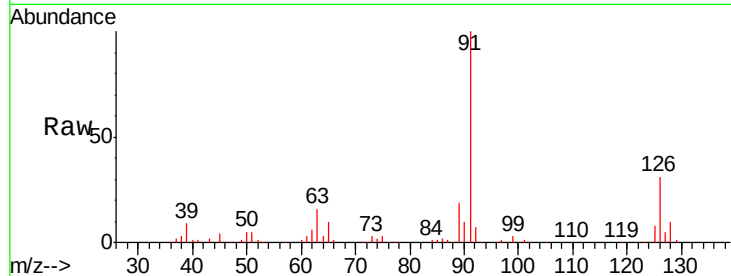
#79
2-Chlorotoluene
Concen: 51.55 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 243987
Ion Ratio Lower Upper
91 100
126 31.5 15.7 47.1

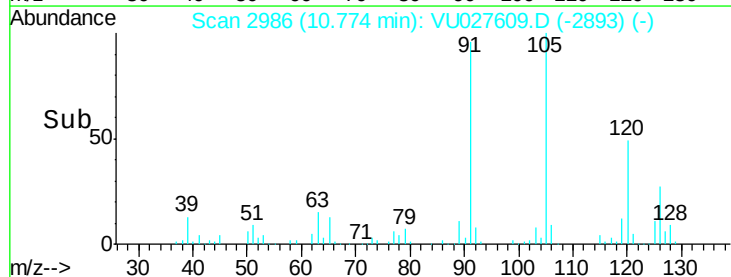
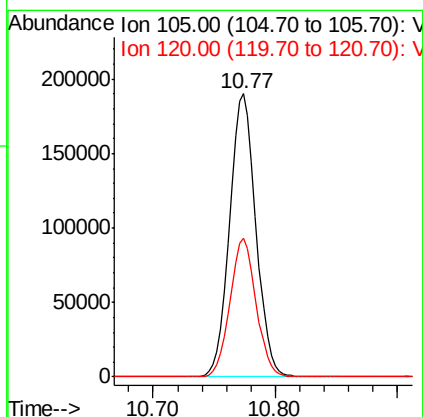
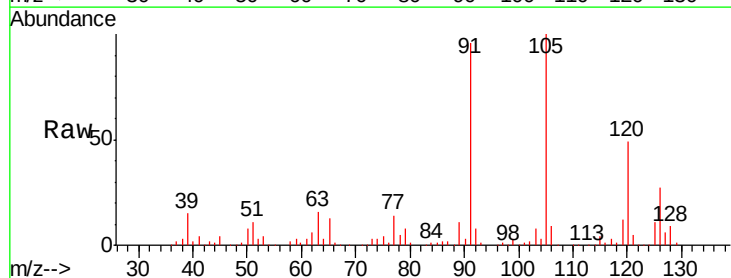
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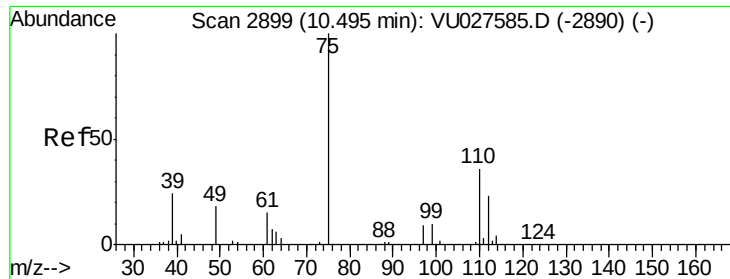
MMDadoda
10/16/2018 2:22:43 PM



#80
1,3,5-Trimethylbenzene
Concen: 50.77 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion: 105 Resp: 285537
Ion Ratio Lower Upper
105 100
120 48.5 24.1 72.4





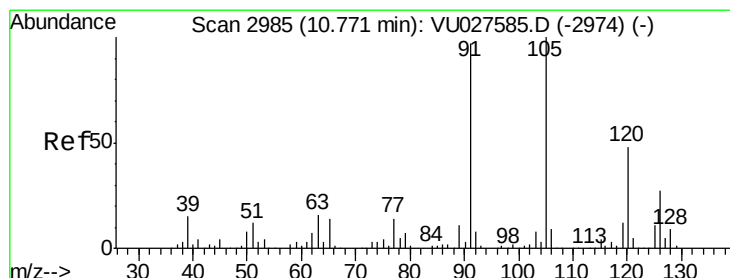
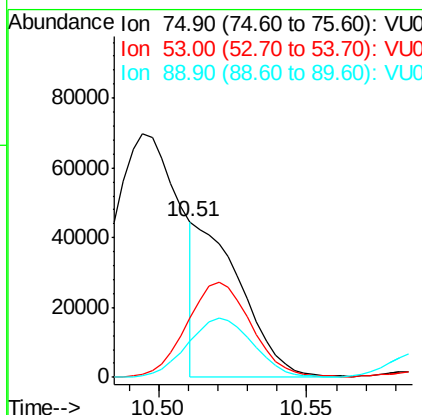
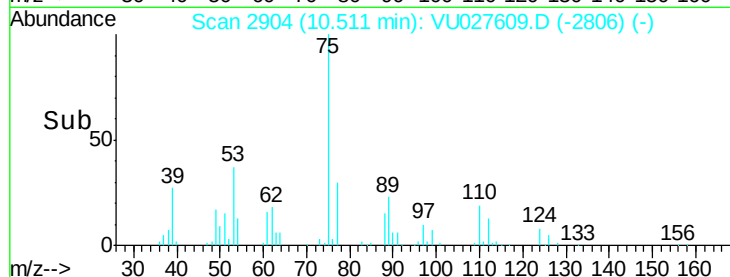
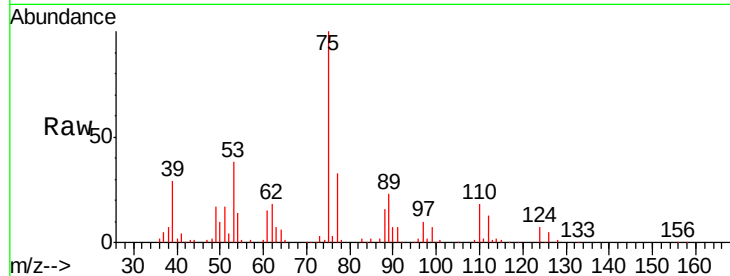
#81
trans-1,4-Dichloro-2-butene
Concen: 45.59 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.02 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

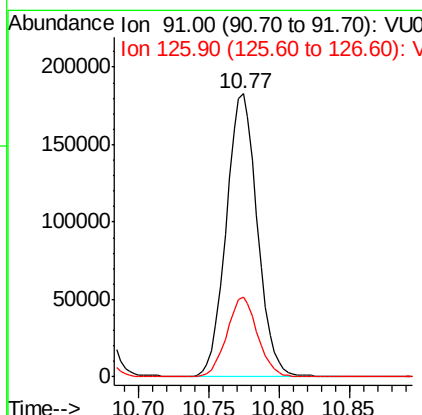
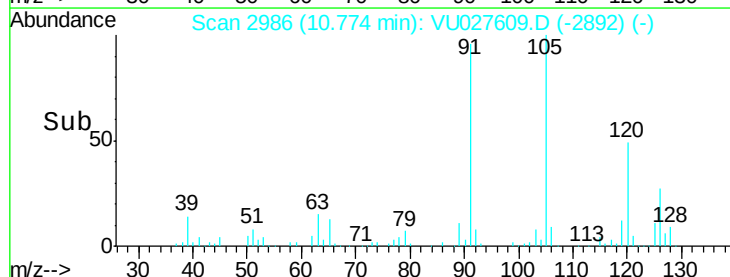
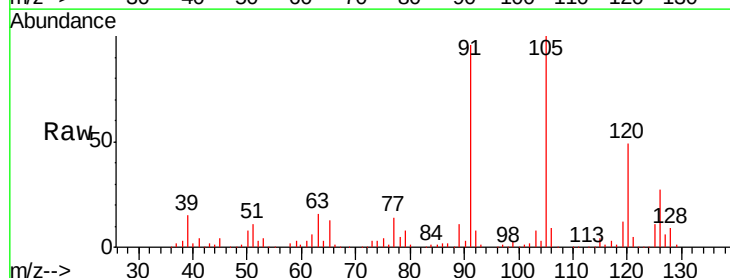
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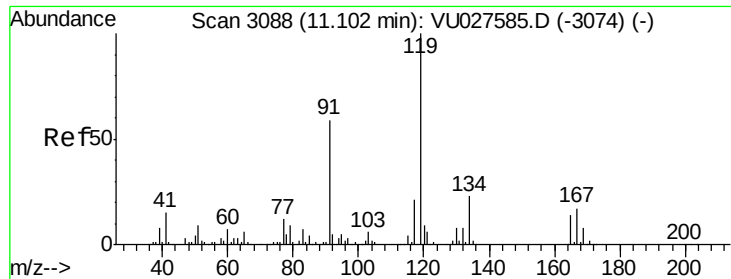
MMDadoda
10/16/2018 2:22:43 PM



#82
4-Chlorotoluene
Concen: 53.12 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.0	13.6	40.8





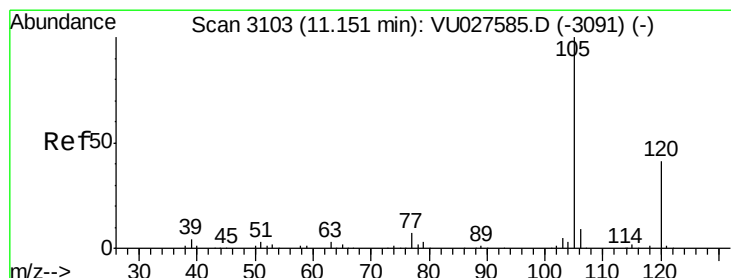
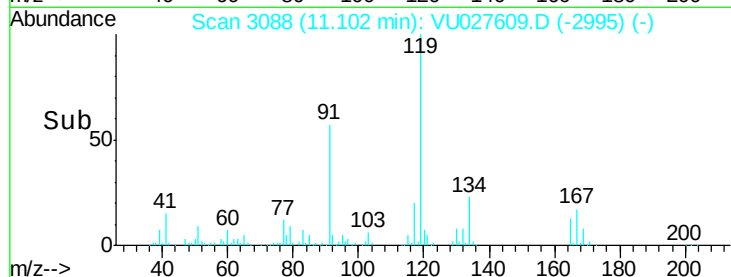
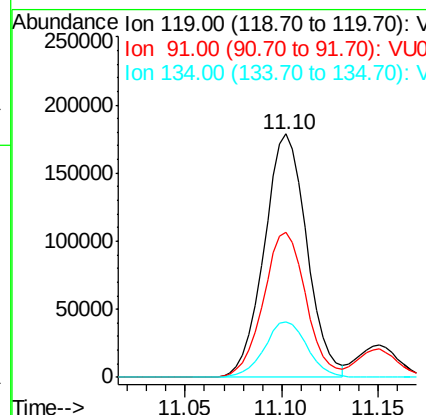
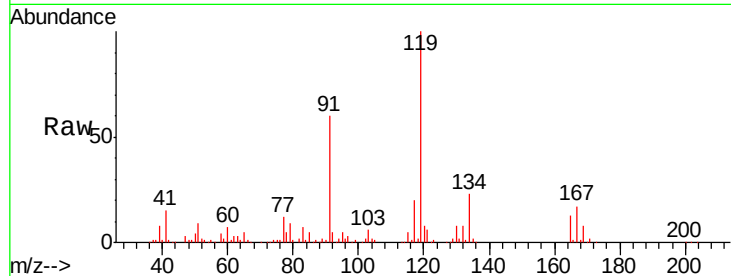
#83
 tert-Butylbenzene
 Concen: 52.89 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	274646		
91	59.7	30.3	91.0	
134	23.0	11.5	34.4	

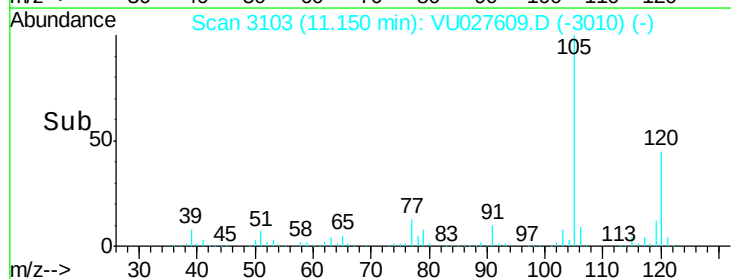
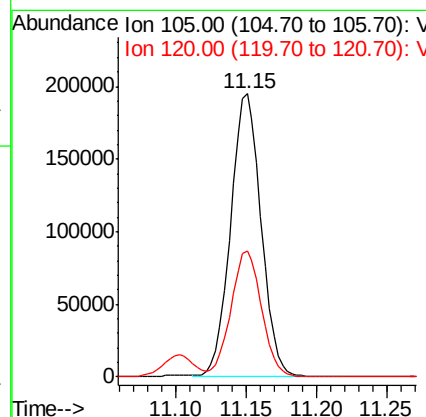
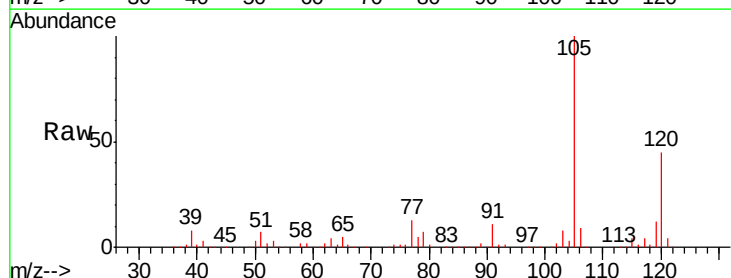
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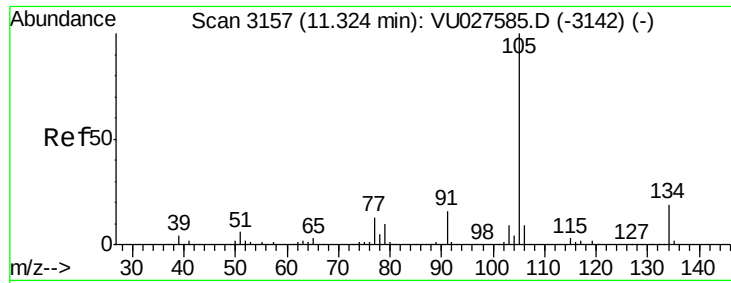
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.75 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	294319		
120	44.7	22.1	66.5	





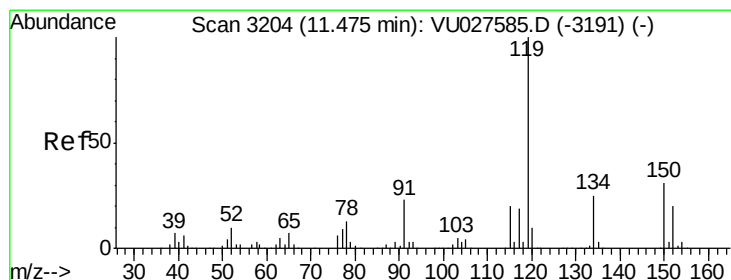
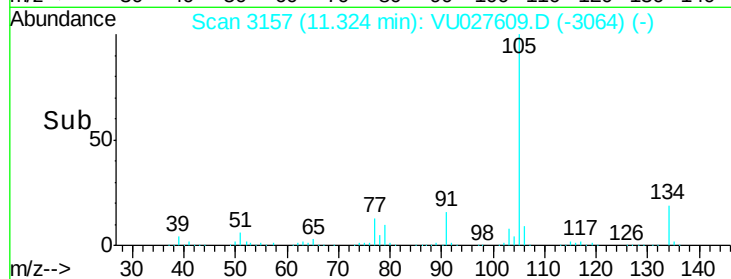
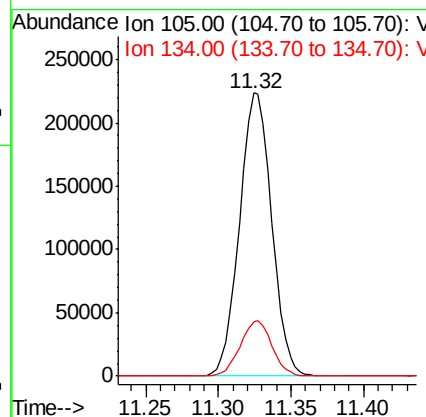
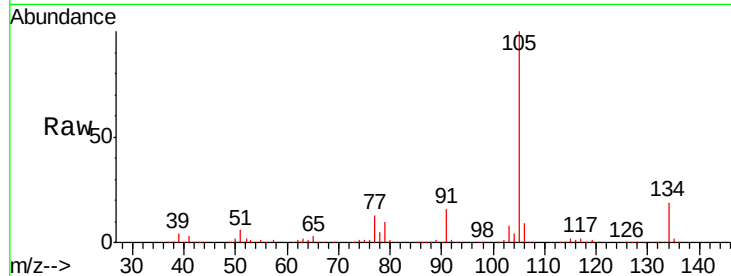
#85
 sec-Butylbenzene
 Concen: 50.33 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 344868
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.6 28.6

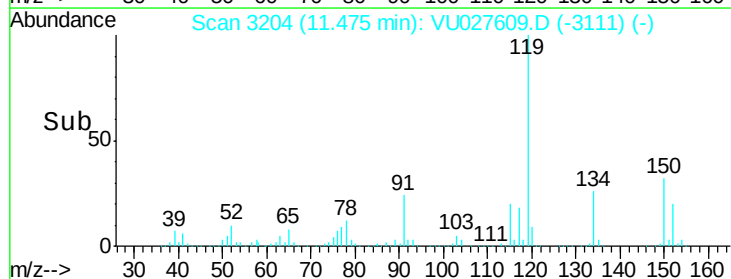
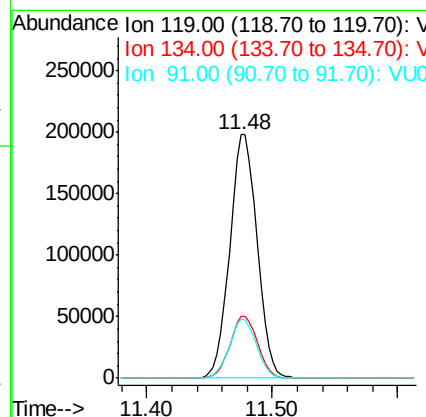
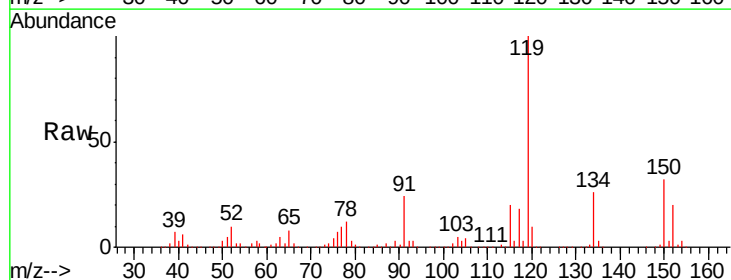
Manual Integrations
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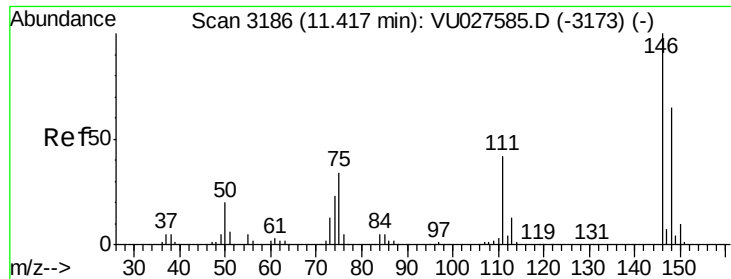
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 50.20 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Tgt Ion:119 Resp: 298974
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.7 38.1
 91 24.1 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 50.40 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Instrument :

MSVOA_U

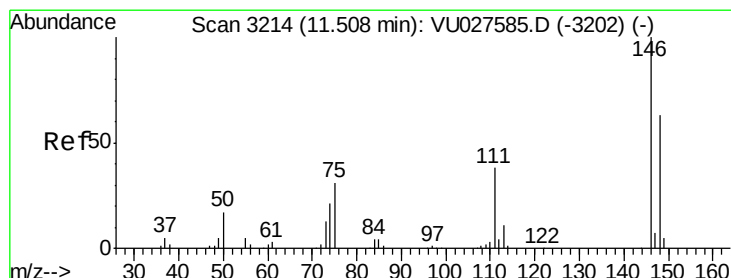
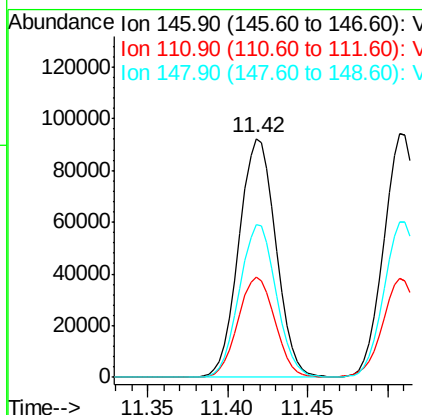
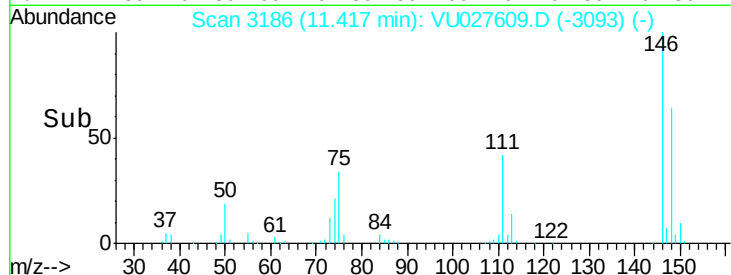
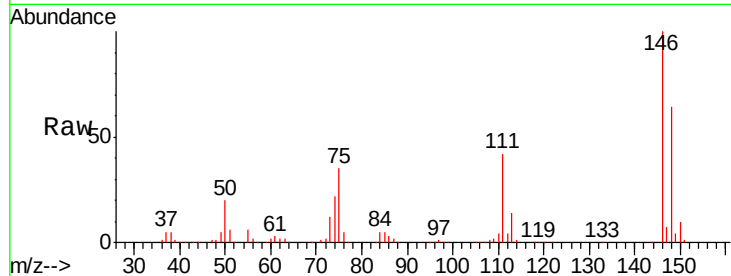
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	145715
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.8	62.5
148	63.7	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.53 ug/l

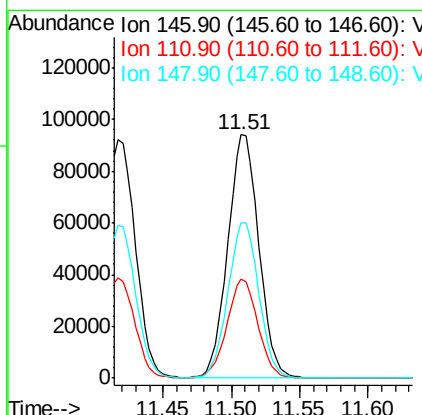
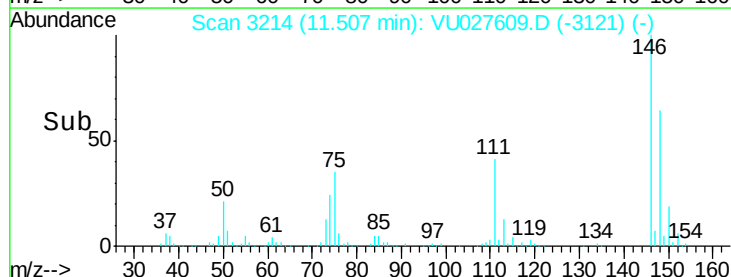
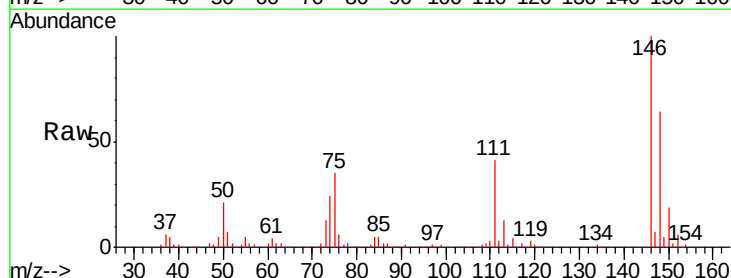
RT: 11.51 min Scan# 3214

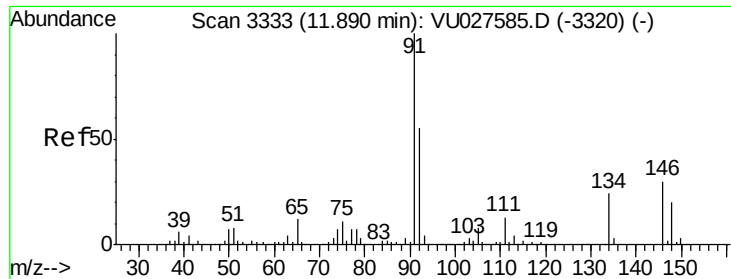
Delta R.T. -0.00 min

Lab File: VU027609.D

Acq: 11 Oct 2018 19:14

Tgt Ion:	146	Resp:	148522
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.4	61.2
148	64.0	31.9	95.5





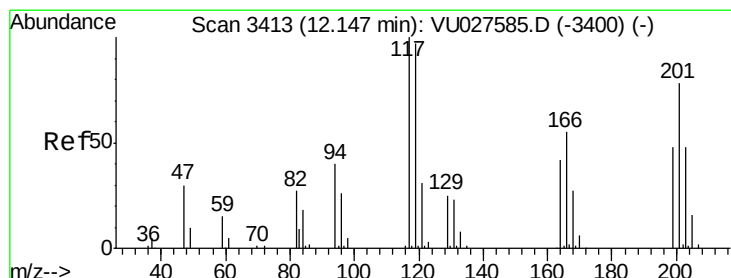
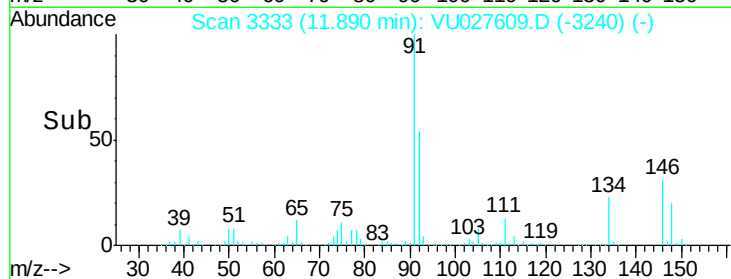
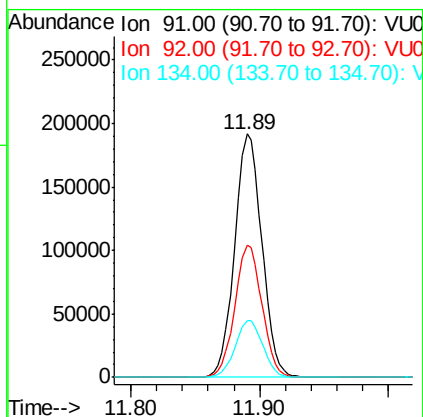
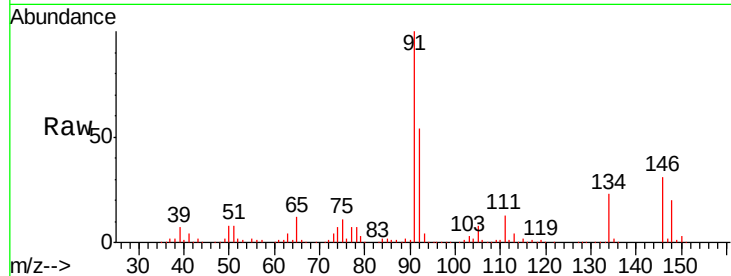
#89
n-Butylbenzene
Concen: 49.58 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.0	81.0
134	23.6	11.7	35.1

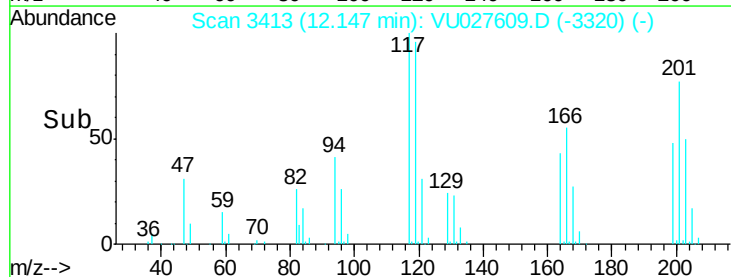
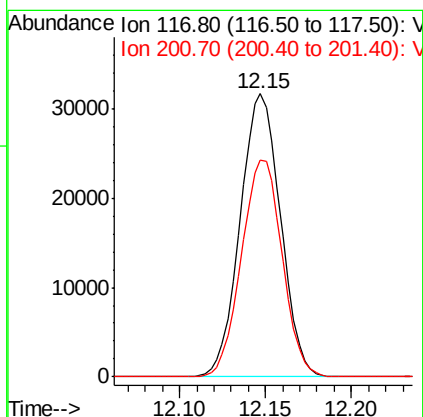
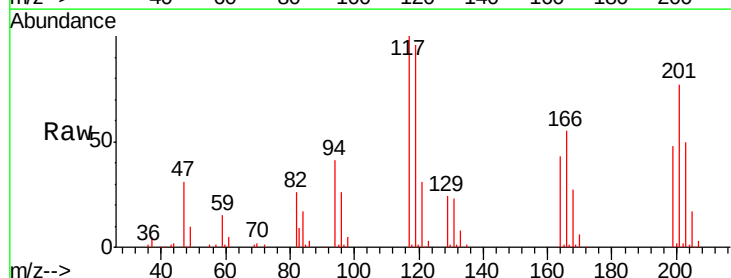
Manual Integrations
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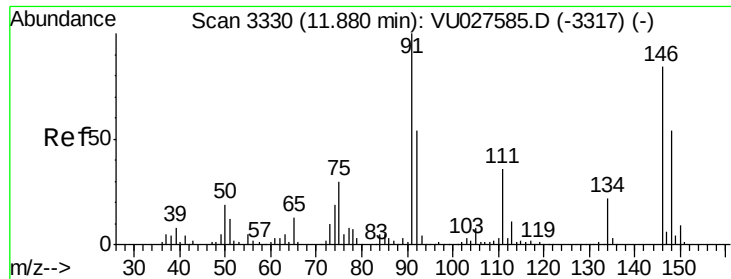
MMDadoda
10/16/2018 2:22:43 PM



#90
Hexachloroethane
Concen: 49.09 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.3	37.9	113.6





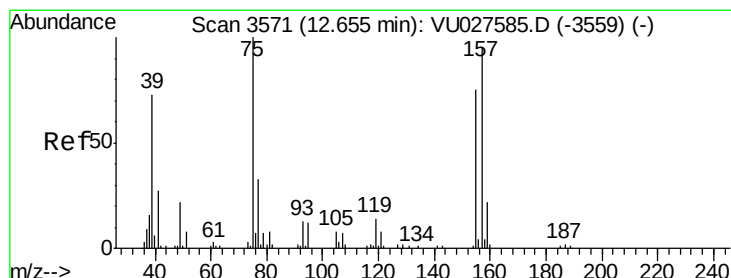
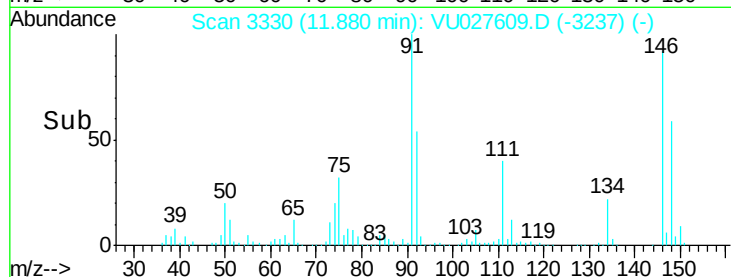
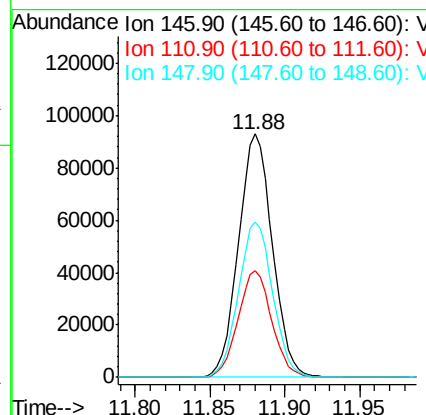
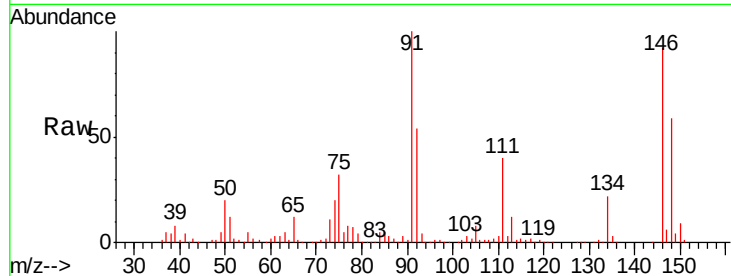
#91
 1,2-Dichlorobenzene
 Concen: 50.40 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	146927		
111	43.4	21.8	65.4	
148	64.1	31.9	95.5	

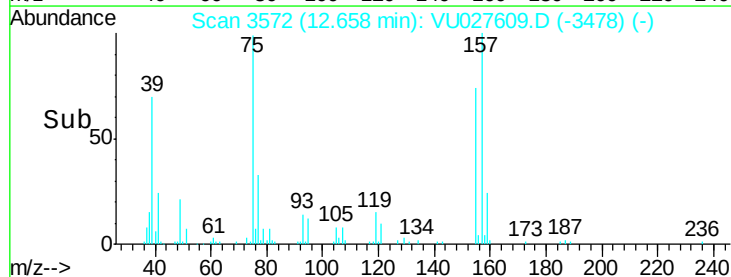
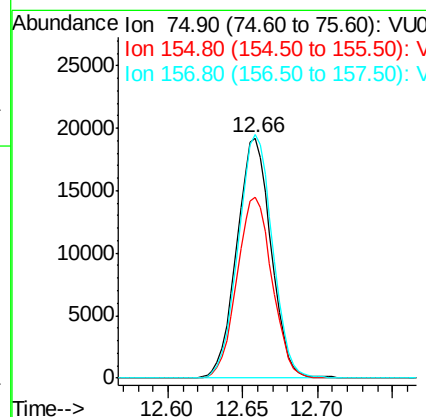
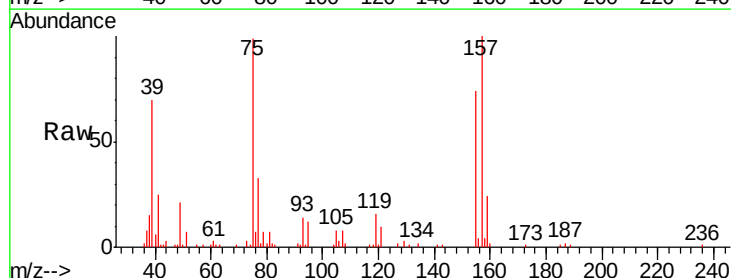
Manual Integrations
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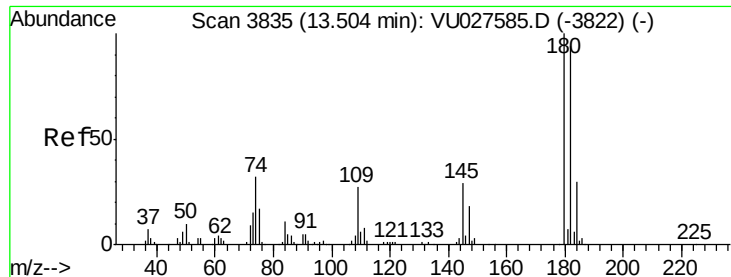
MMDadoda
 10/16/2018 2:22:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.35 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30696		
155	76.8	35.9	107.8	
157	101.3	46.9	140.6	





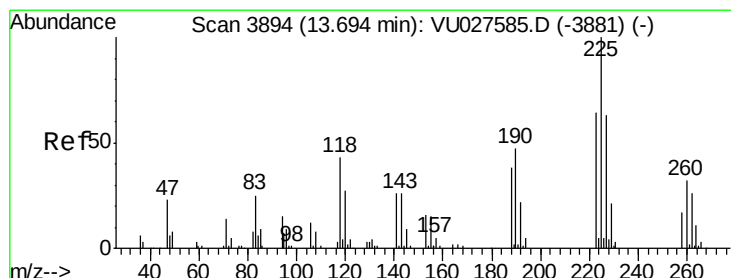
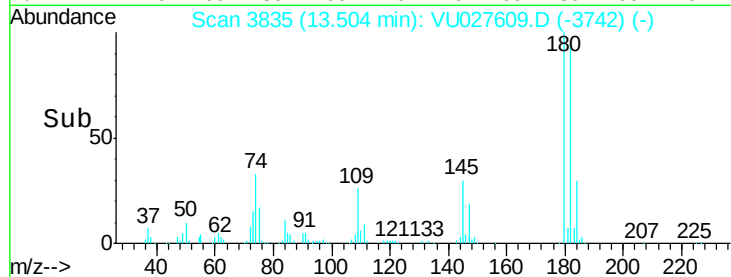
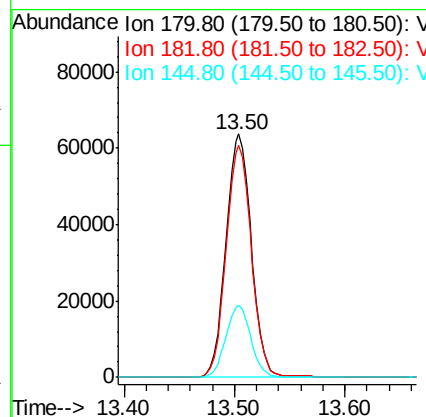
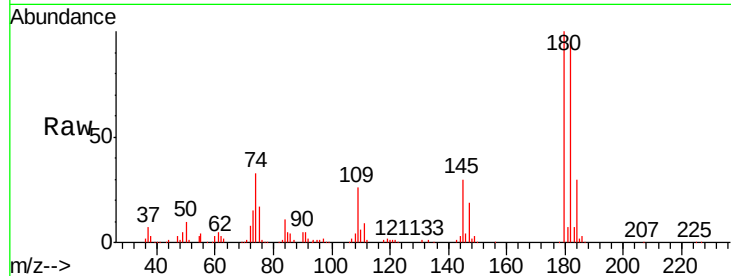
#93
 1,2,4-Trichlorobenzene
 Concen: 50.33 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	101700		
182	94.5	47.4	142.3	
145	29.2	14.6	44.0	

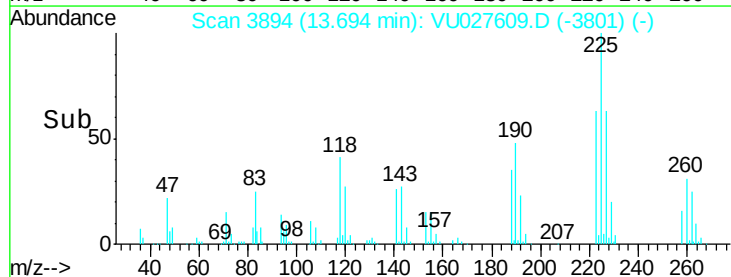
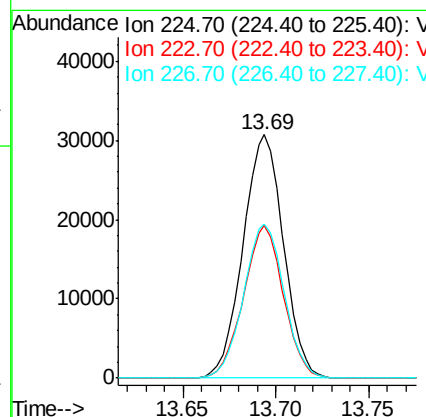
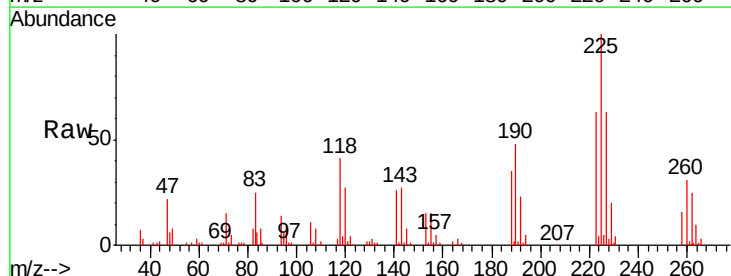
Manual Integrations
 APPROVED

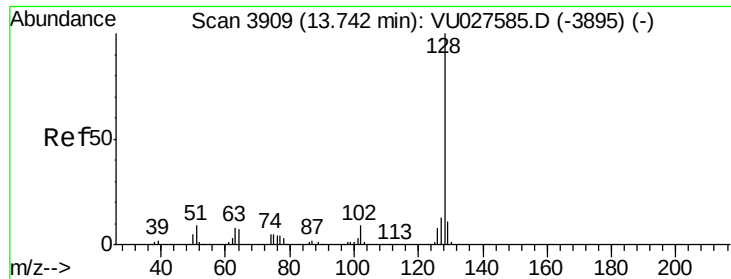
MMDadoda
 10/16/2018 2:22:43 PM



#94
 Hexachlorobutadiene
 Concen: 49.91 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027609.D
 Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46685		
223	61.8	31.8	95.3	
227	63.4	31.9	95.7	





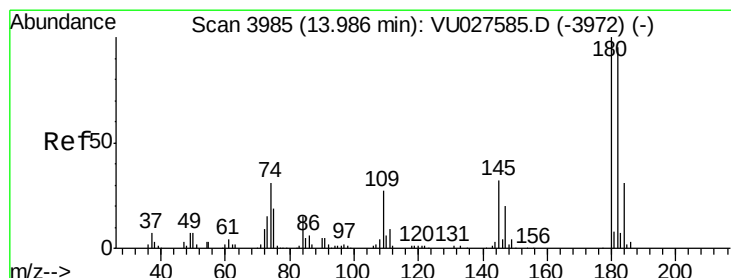
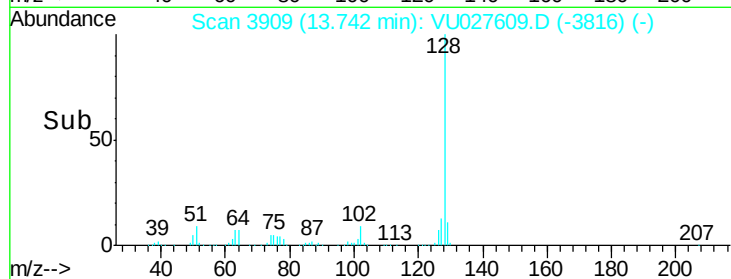
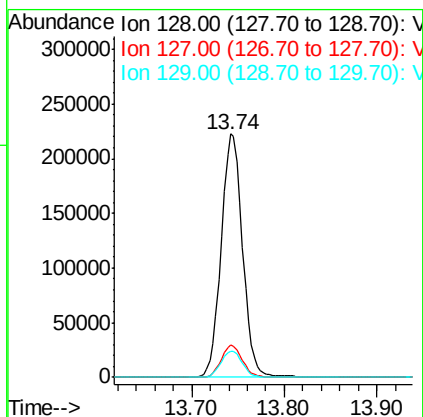
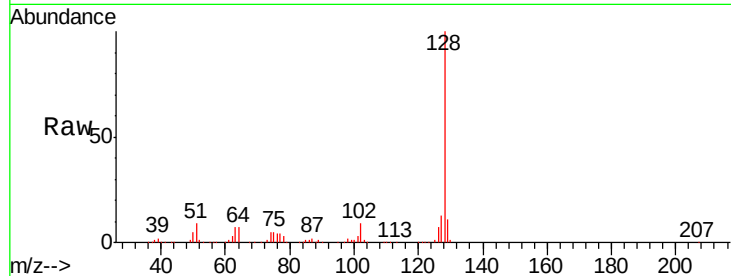
#95
Naphthalene
Concen: 51.02 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	357134		
127	13.0	10.5	15.7	
129	10.7	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
10/16/2018 2:22:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.25 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027609.D
Acq: 11 Oct 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	104137		
182	98.1	47.4	142.2	
145	31.5	15.9	47.7	

