

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092018\
 Data File : VU026923.D
 Acq On : 20 Sep 2018 01:28
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/21/2018 4:12:36 PM

Quant Time: Sep 20 08:10:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	92832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	136061	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	129547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	63905	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
35) Dibromofluoromethane	4.88	113	55334	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	7.57	98	202952	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	10.31	95	73763	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52292	52.138	ug/l	99
3) Chloromethane	1.32	50	61015	43.543	ug/l	99
4) Vinyl Chloride	1.40	62	66955	46.108	ug/l	99
5) Bromomethane	1.61	94	48054	52.834	ug/l	100
6) Chloroethane	1.69	64	42588	46.083	ug/l	99
7) Trichlorofluoromethane	1.88	101	87549	46.119	ug/l	100
8) Diethyl Ether	2.10	74	38737	46.567	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	52788	46.824	ug/l	97
10) Methyl Iodide	2.41	142	37297	38.736	ug/l	98
11) Tert butyl alcohol	2.83	59	69505	202.492	ug/l	100
12) 1,1-Dichloroethene	2.28	96	51512	48.333	ug/l	98
13) Acrolein	2.19	56	71711	310.015	ug/l	100
14) Allyl chloride	2.59	41	85275	44.425	ug/l	95
15) Acrylonitrile	2.94	53	178154	242.017	ug/l	100
16) Acetone	2.32	43	154555	193.852	ug/l	98
17) Carbon Disulfide	2.48	76	154103	45.445	ug/l	99
18) Methyl Acetate	2.61	43	86960	50.550	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	180461	49.178	ug/l	98
20) Methylene Chloride	2.70	84	62145	48.054	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	55193	49.159	ug/l	97
22) Diisopropyl ether	3.57	45	189546	47.314	ug/l	99
23) Vinyl Acetate	3.52	43	792755	232.955	ug/l	97
24) 1,1-Dichloroethane	3.45	63	107215	47.443	ug/l	97
25) 2-Butanone	4.26	43	233525	217.440	ug/l	98
26) 2,2-Dichloropropane	4.23	77	67606	36.395	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	62409	48.230	ug/l	95
28) Bromochloromethane	4.55	49	49154	45.486	ug/l	91
29) Tetrahydrofuran	4.64	42	151688	234.269	ug/l	98
30) Chloroform	4.67	83	106184	47.781	ug/l	97
31) Cyclohexane	5.00	56	94720	45.876	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	90931	49.420	ug/l	98
36) 1,1-Dichloropropene	5.14	75	78076	51.109	ug/l	99
37) Ethyl Acetate	4.38	43	85055	46.301	ug/l	99
38) Carbon Tetrachloride	5.13	117	81046	50.215	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	90271	49.770	ug/l	97
40) Benzene	5.39	78	240153	50.621	ug/l	100
41) Methacrylonitrile	4.54	41	48406	46.809	ug/l	98
42) 1,2-Dichloroethane	5.40	62	82547	48.796	ug/l	97
43) Isopropyl Acetate	5.55	43	133350	47.674	ug/l	98
44) Trichloroethene	6.19	130	62164	52.944	ug/l	95
45) 1,2-Dichloropropane	6.43	63	63197	49.003	ug/l	96
46) Dibromomethane	6.56	93	41661	50.059	ug/l	91
47) Bromodichloromethane	6.76	83	82190	50.153	ug/l	99
48) Methyl methacrylate	6.62	41	68567	44.991	ug/l	96
49) 1,4-Dioxane	6.61	88	33448	955.727	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	441953	236.217	ug/l	96
52) Toluene	7.64	92	150106	53.118	ug/l	95
53) t-1,3-Dichloropropene	7.88	75	87683	48.237	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	94603	48.467	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	61636	50.907	ug/l	97
56) Ethyl methacrylate	8.02	69	90560	44.719	ug/l	94
57) 1,3-Dichloropropane	8.24	76	105377	51.063	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	208565	215.993	ug/l	95
59) 2-Hexanone	8.36	43	338177	229.669	ug/l	95
60) Dibromochloromethane	8.48	129	66824	50.960	ug/l	99
61) 1,2-Dibromoethane	8.59	107	65611	49.943	ug/l	100
64) Tetrachloroethene	8.23	164	58056	56.306	ug/l	96
65) Chlorobenzene	9.12	112	164374	51.071	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	61691	52.095	ug/l	98
67) Ethyl Benzene	9.25	91	277305	52.304	ug/l	100
68) m/p-Xylenes	9.38	106	223640	110.886	ug/l	95
69) o-Xylene	9.78	106	105861	49.149	ug/l	97
70) Styrene	9.79	104	180404	49.709	ug/l	98
71) Bromoform	9.96	173	53808	52.244	ug/l #	99
73) Isopropylbenzene	10.17	105	286441	50.896	ug/l	100
74) N-amyl acetate	10.02	43	118839	44.726	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.46	83	100475	43.805	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	86353m	46.676	ug/l	
77) Bromobenzene	10.45	156	77534	50.689	ug/l	94
78) n-propylbenzene	10.59	91	328160	50.133	ug/l	99
79) 2-Chlorotoluene	10.66	91	194980	48.052	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	240173	50.770	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	25312m	45.948	ug/l	
82) 4-Chlorotoluene	10.77	91	225562	49.476	ug/l	98
83) tert-Butylbenzene	11.10	119	239764	49.942	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	248588	52.100	ug/l	98
85) sec-Butylbenzene	11.32	105	290022	50.870	ug/l	99
86) p-Isopropyltoluene	11.48	119	262177	47.881	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	141267	49.505	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	143738	48.502	ug/l	99
89) n-Butylbenzene	11.89	91	215174	43.094	ug/l	96
90) Hexachloroethane	12.15	117	45024	44.754	ug/l	91
91) 1,2-Dichlorobenzene	11.88	146	142589	49.674	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	21122	45.932	ug/l	91

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Quant Title : SW846 8260
QLast Update : Wed Sep 12 05:32:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	100369	52.653	ug/l	99
94) Hexachlorobutadiene	13.69	225	52553	53.590	ug/l	98
95) Naphthalene	13.74	128	311299	48.574	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	106023	53.256	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 92832

Ion Ratio Lower Upper

168 100

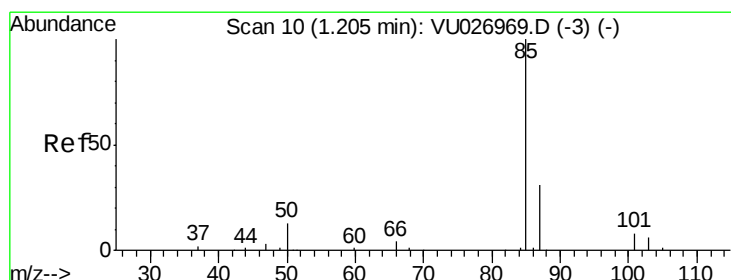
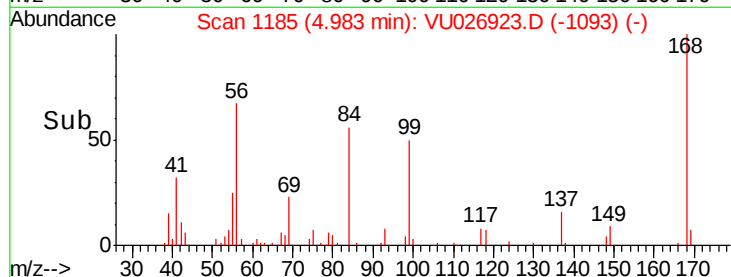
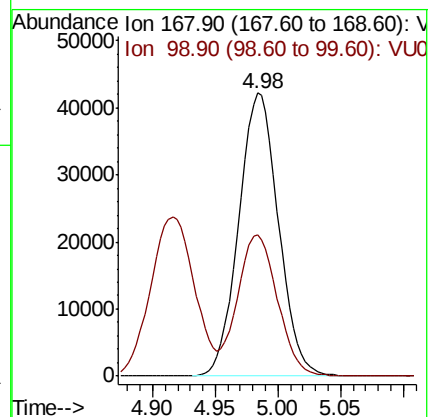
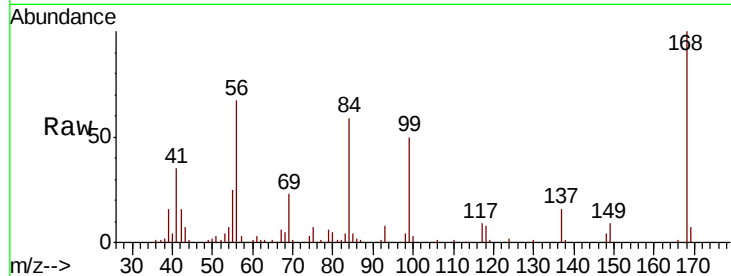
99 49.8 42.0 63.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 52.138 ug/l

RT: 1.20 min Scan# 9

Delta R.T. 0.00 min

Lab File: VU026923.D

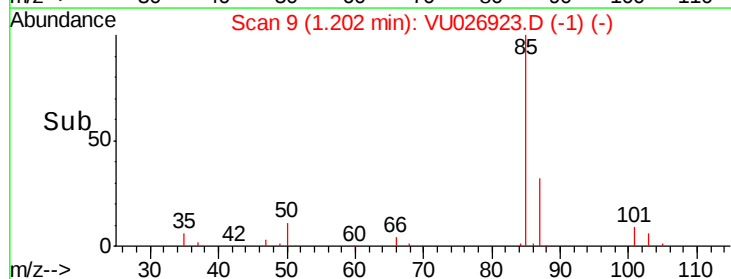
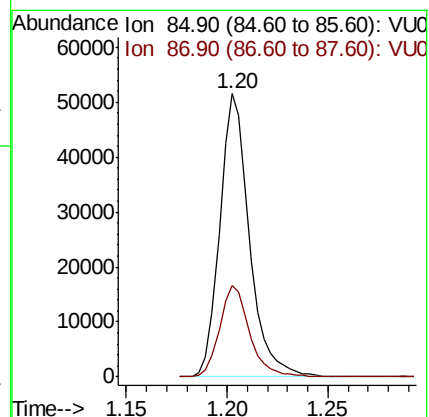
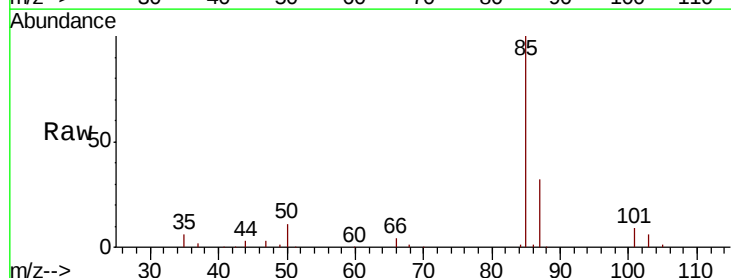
Acq: 20 Sep 2018 01:28

Tgt Ion: 85 Resp: 52292

Ion Ratio Lower Upper

85 100

87 32.4 16.6 49.7





#3

Chloromethane

Concen: 43.543 ug/l

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 61015

Ion Ratio Lower Upper

50 100

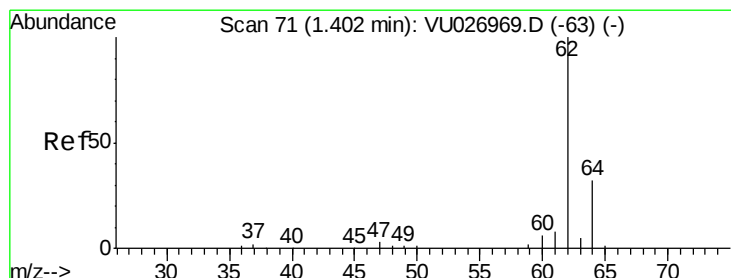
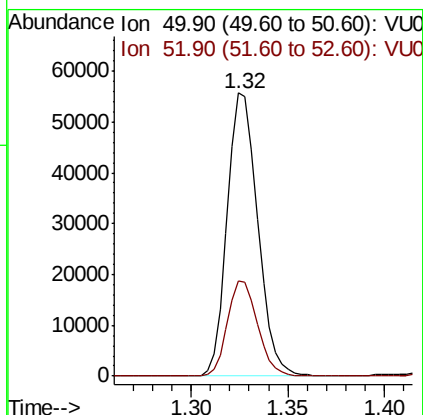
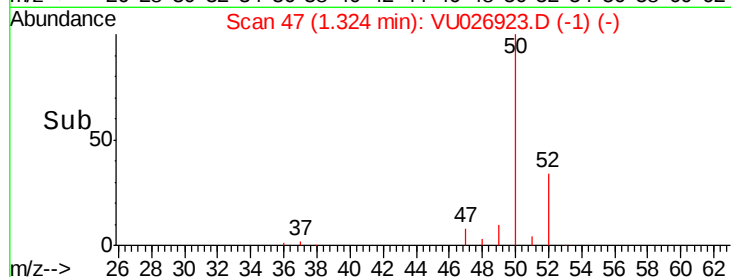
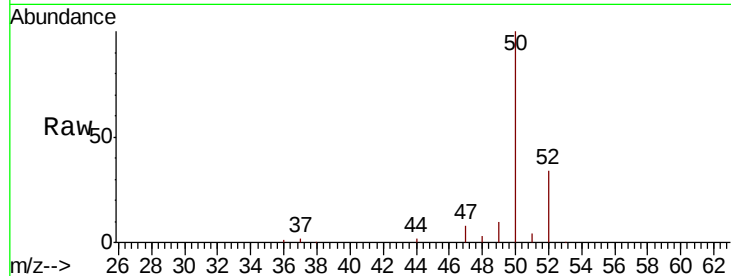
52 33.5 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.108 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026923.D

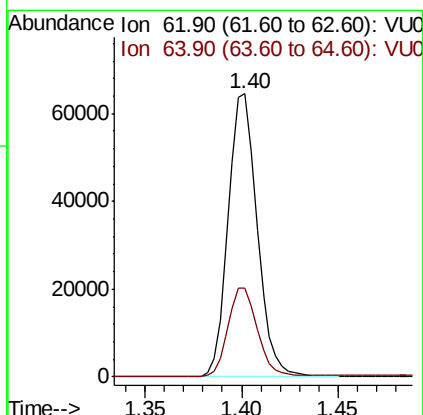
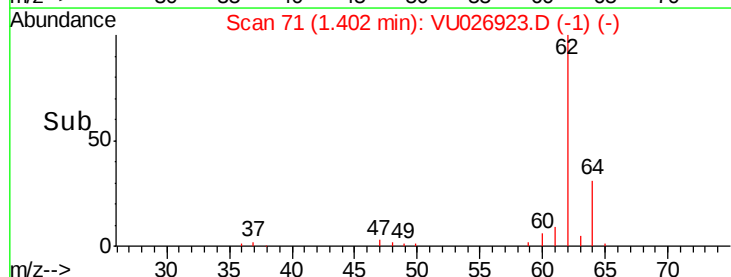
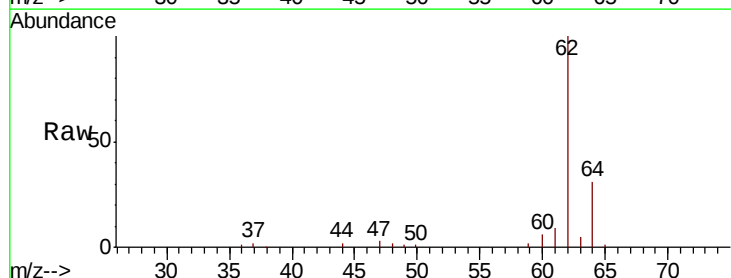
Acq: 20 Sep 2018 01:28

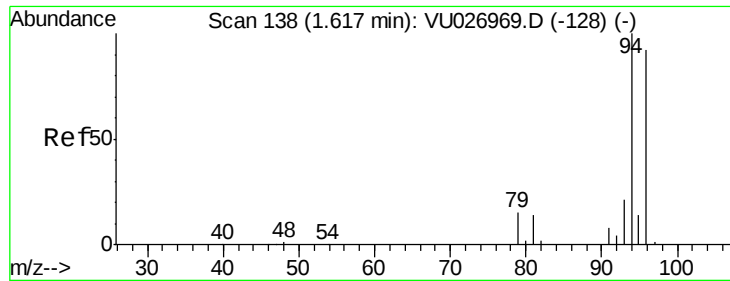
Tgt Ion: 62 Resp: 66955

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4





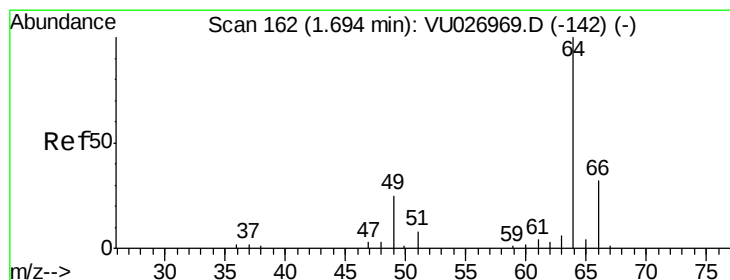
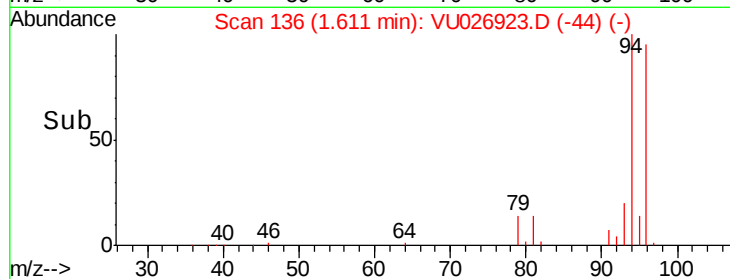
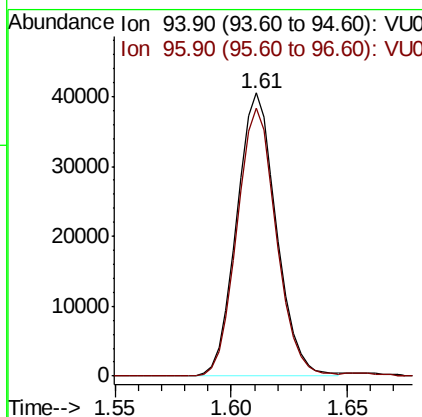
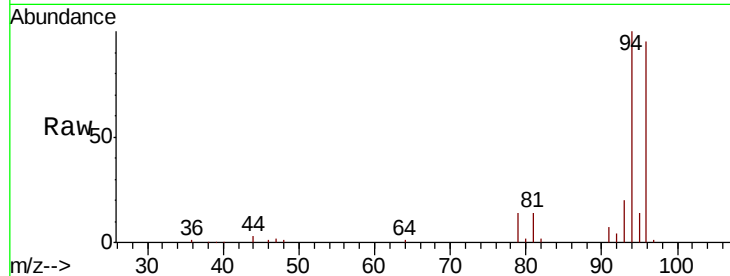
#5
Bromomethane
Concen: 52.834 ug/l
RT: 1.61 min Scan# 136
Delta R.T. -0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
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Tot Ion: 94 Resp: 48054
Ion Ratio Lower Upper
94 100
96 94.6 75.8 113.6

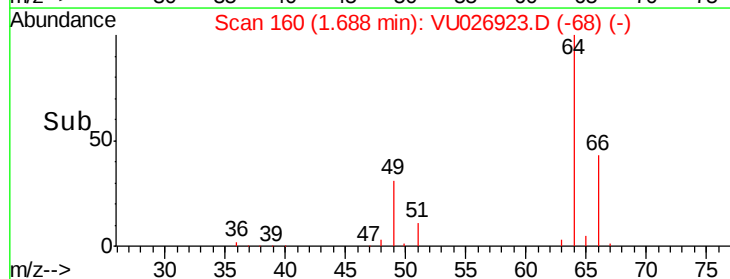
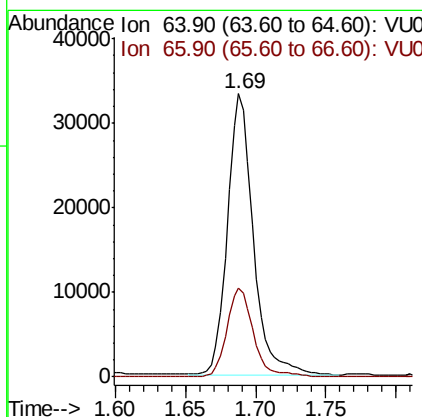
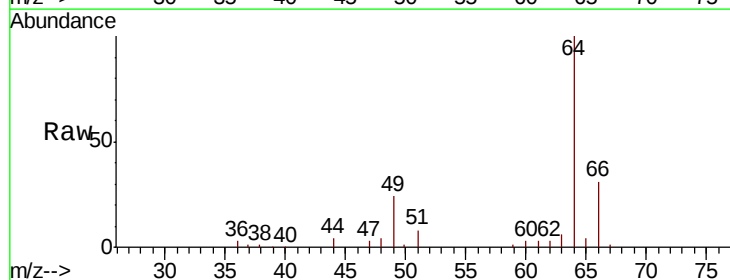
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#6
Chloroethane
Concen: 46.083 ug/l
RT: 1.69 min Scan# 160
Delta R.T. -0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion: 64 Resp: 42588
Ion Ratio Lower Upper
64 100
66 31.7 24.7 37.1





#7

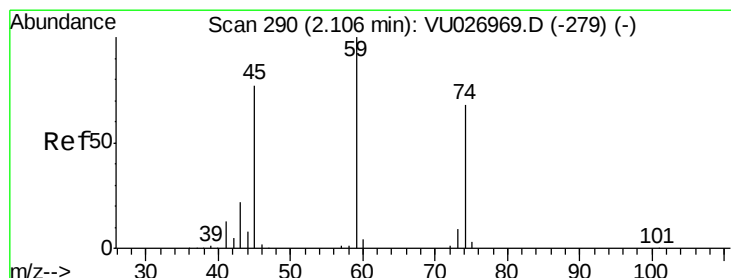
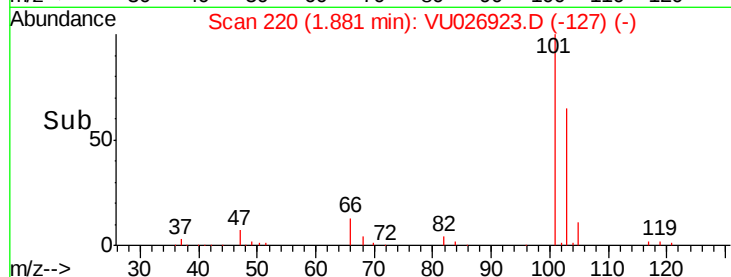
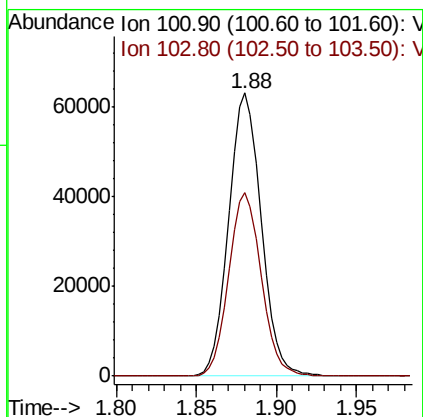
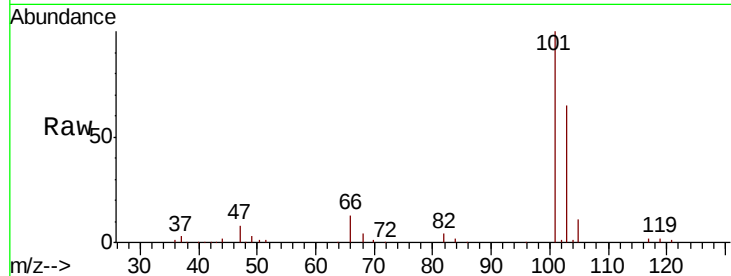
Trichlorofluoromethane
Concen: 46.119 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 87549
Ion Ratio Lower Upper
101 100
103 64.9 51.7 77.5

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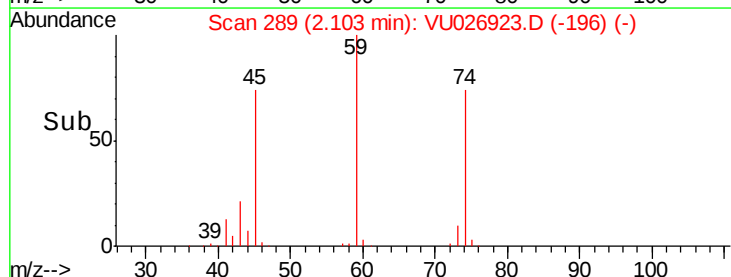
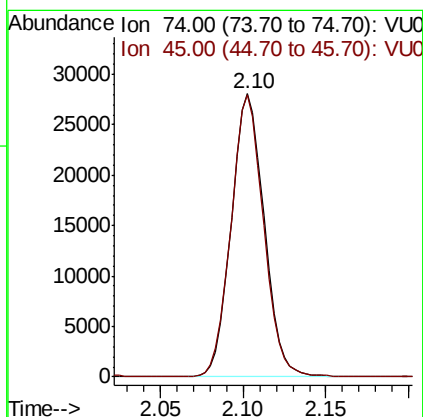
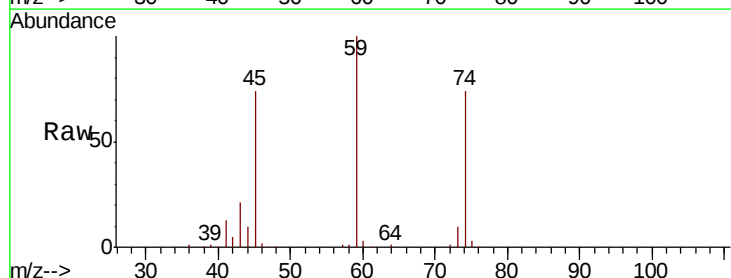
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#8

Diethyl Ether
Concen: 46.567 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion: 74 Resp: 38737
Ion Ratio Lower Upper
74 100
45 98.7 53.6 160.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.824 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

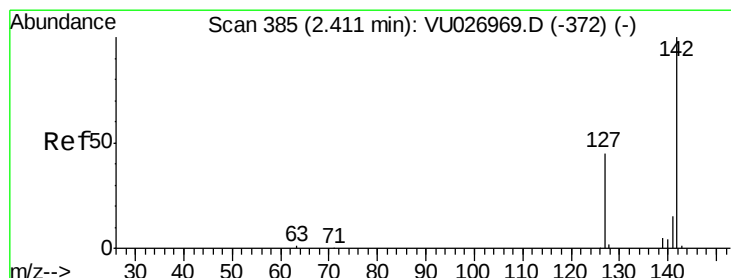
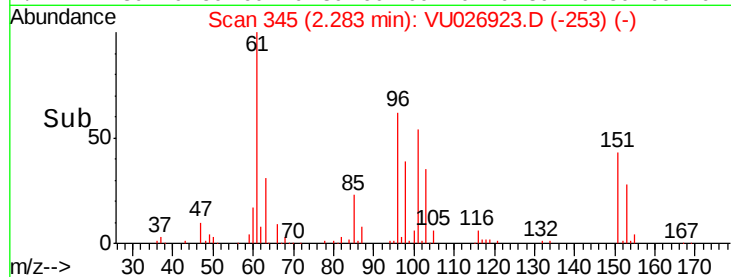
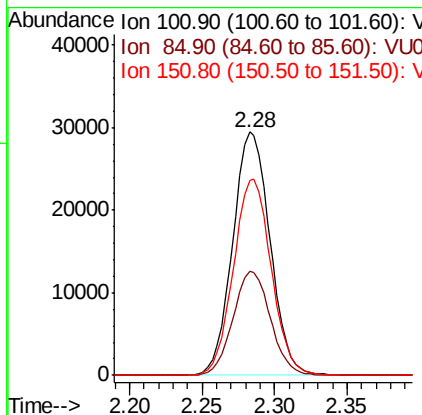
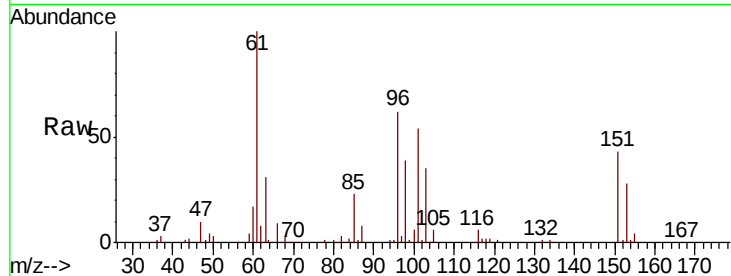
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	52788
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.6	52.0
151	81.4	62.7	94.1

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9/21/2018 4:12:36 PM



#10

Methyl Iodide

Concen: 38.736 ug/l

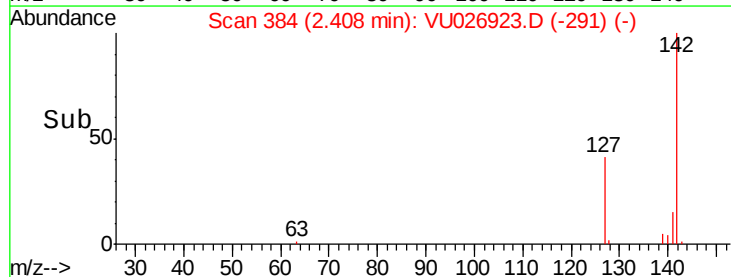
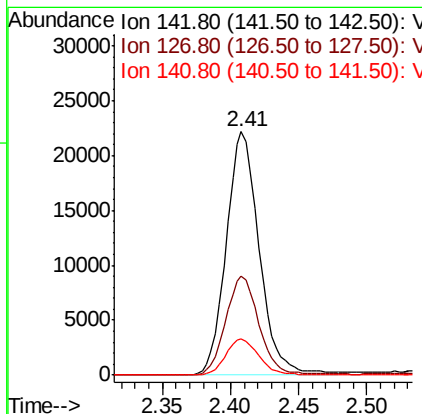
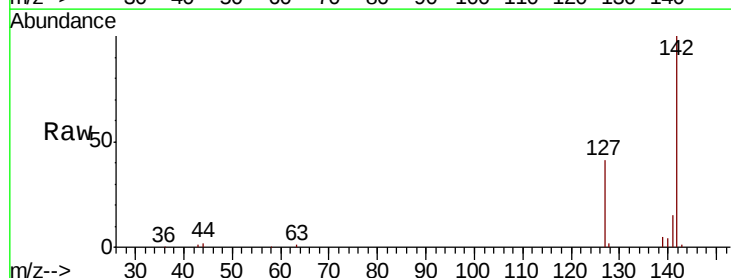
RT: 2.41 min Scan# 384

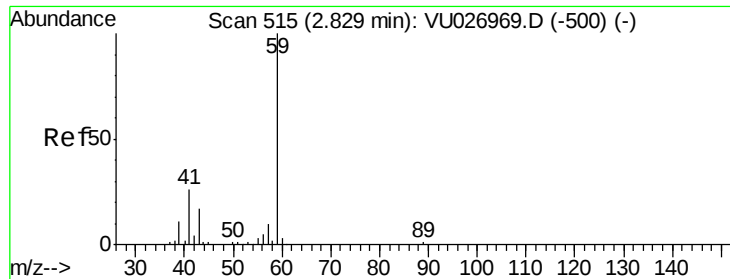
Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Tgt Ion:	142	Resp:	37297
Ion Ratio	Lower	Upper	
142	100		
127	41.0	34.1	51.1
141	14.7	11.2	16.8





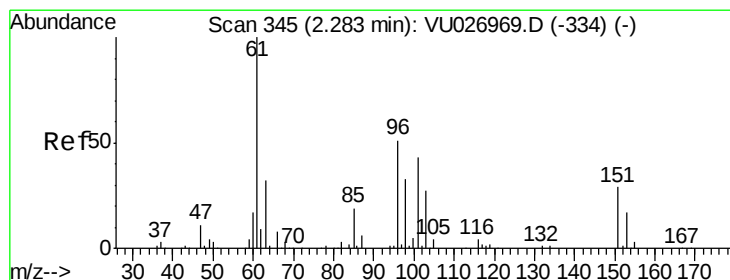
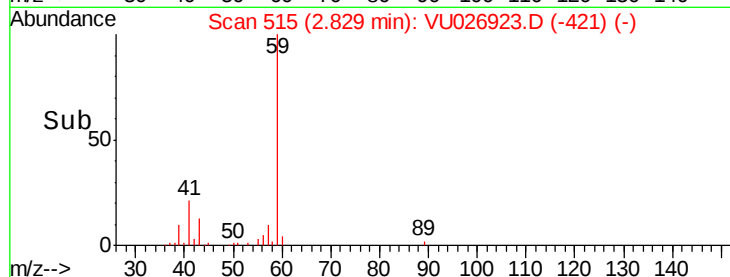
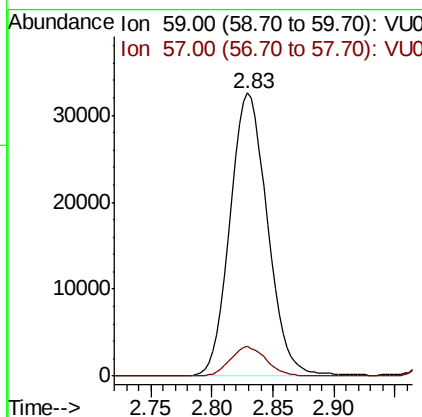
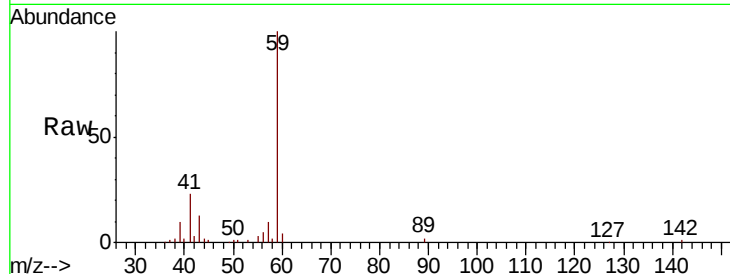
#11
Tert butyl alcohol
Concen: 202.492 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.0	12.0

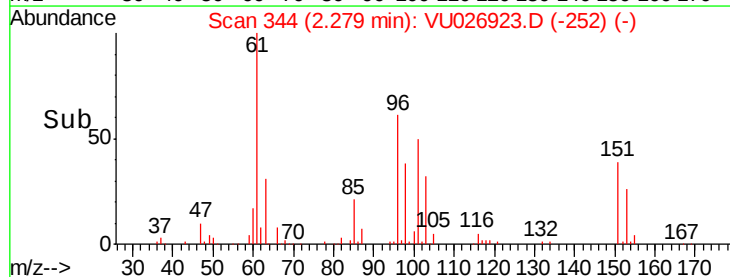
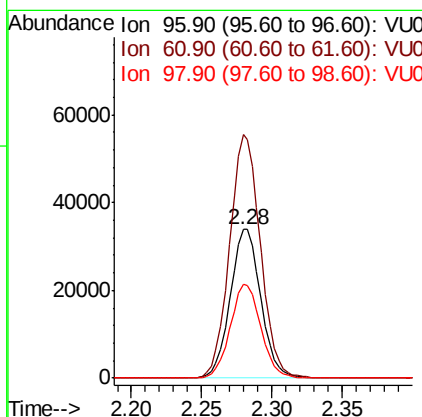
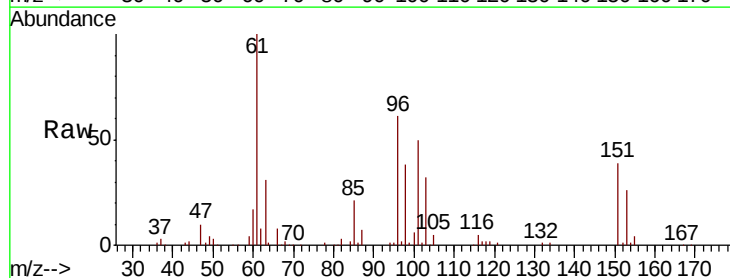
Manual Integrations
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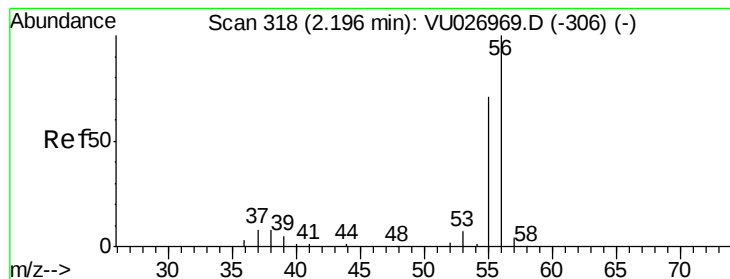
MMDadoda
9/21/2018 4:12:36 PM



#12
1,1-Dichloroethene
Concen: 48.333 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.7	133.0	199.6
98	63.0	51.3	76.9





#13

Acrolein

Concen: 310.015 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 71711

Ion Ratio Lower Upper

56 100

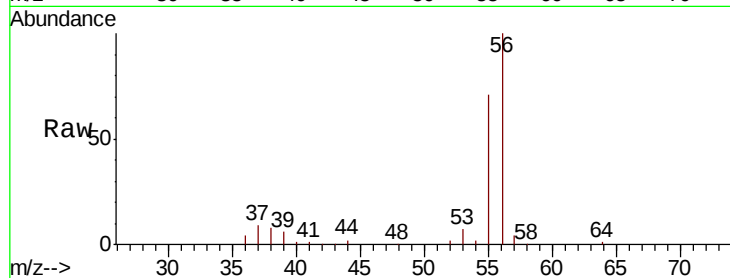
55 72.2 57.4 86.2

Manual Integrations

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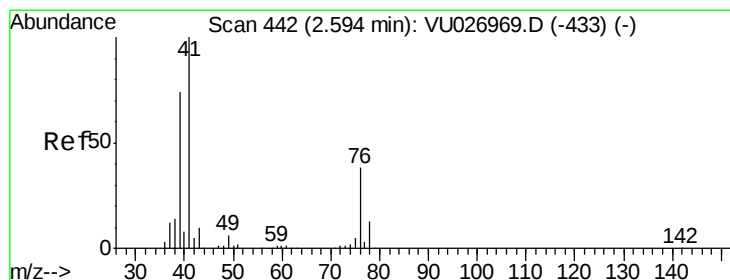
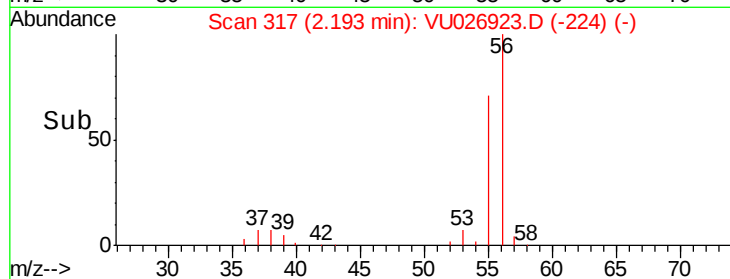
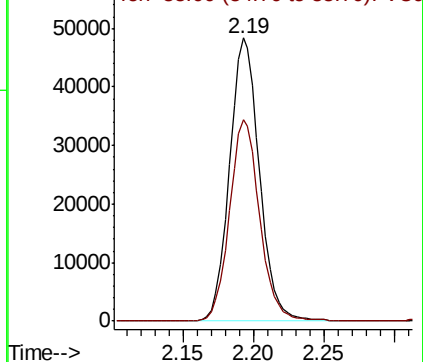
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 44.425 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

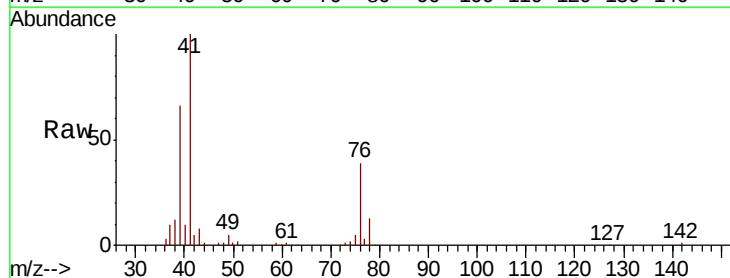
Tgt Ion: 41 Resp: 85275

Ion Ratio Lower Upper

41 100

39 65.8 56.9 85.3

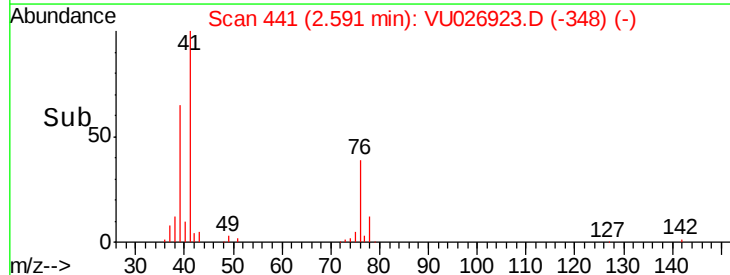
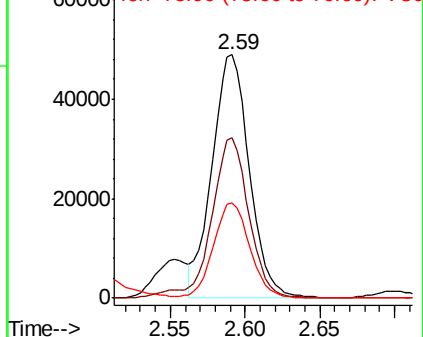
76 37.9 29.7 44.5

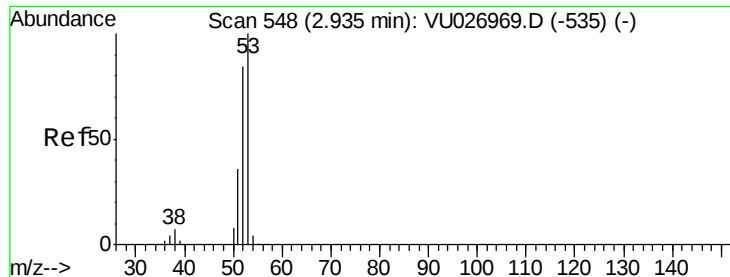


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 242.017 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

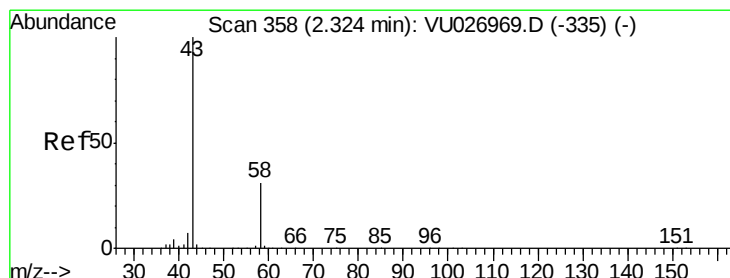
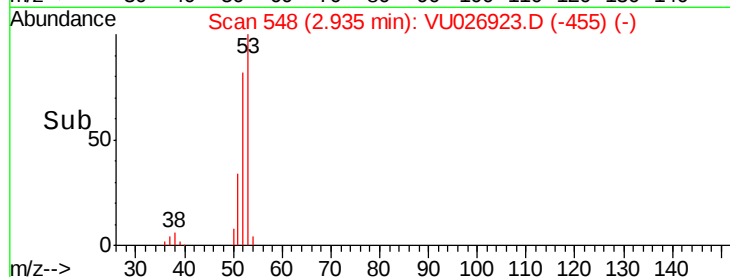
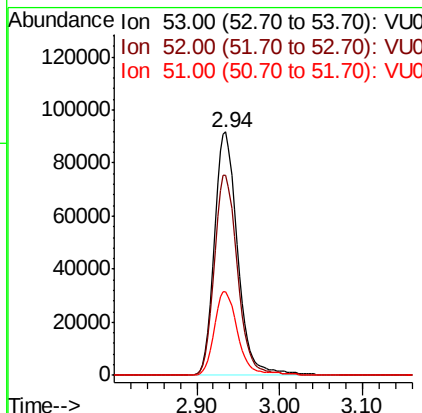
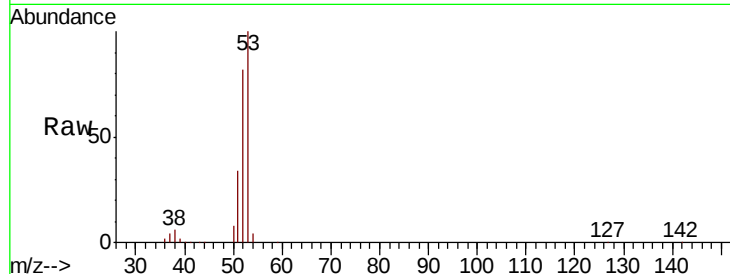
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	178154
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.8	98.8
51	34.1	27.7	41.5

Manual Integrations
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#16

Acetone

Concen: 193.852 ug/l

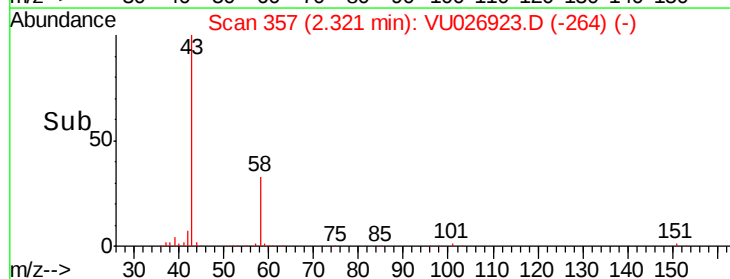
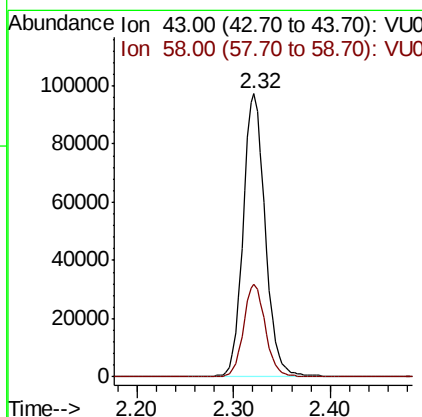
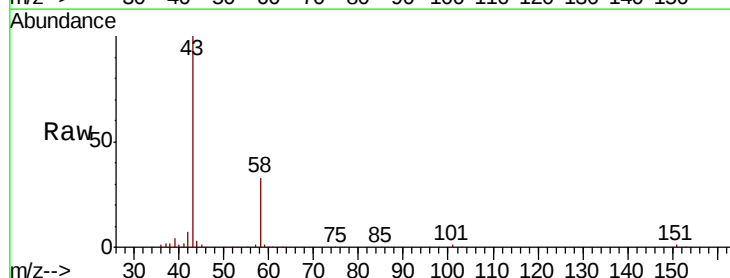
RT: 2.32 min Scan# 357

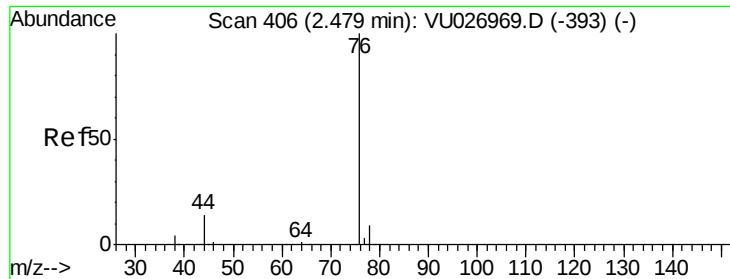
Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Tgt Ion:	43	Resp:	154555
Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.1	37.7





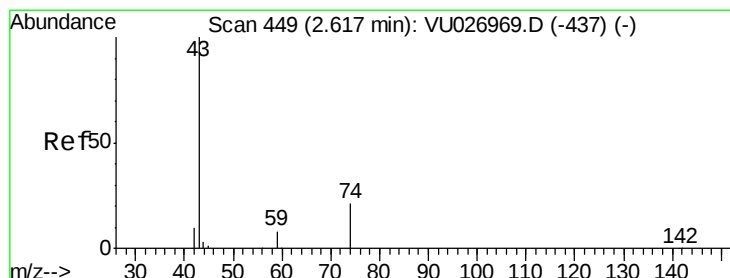
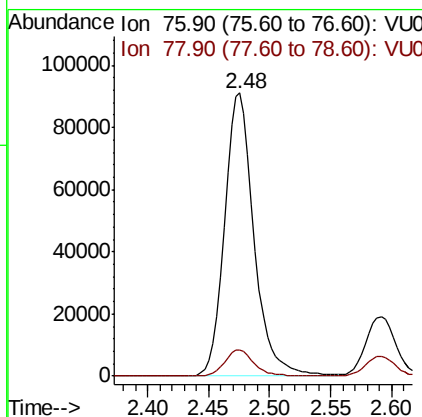
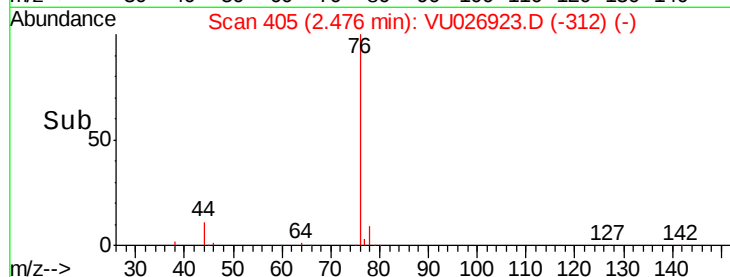
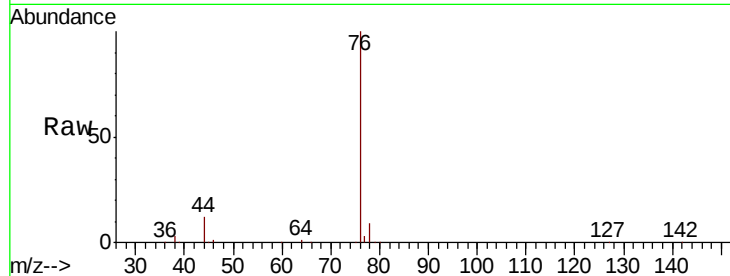
#17
Carbon Disulfide
Concen: 45.445 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 154103
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6

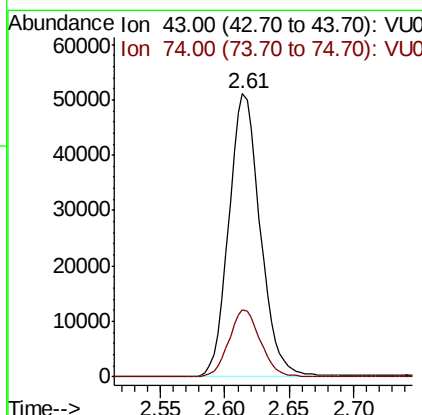
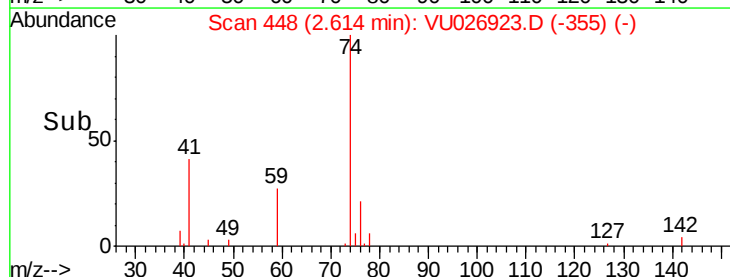
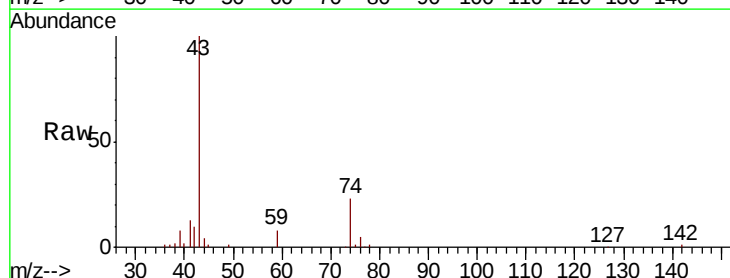
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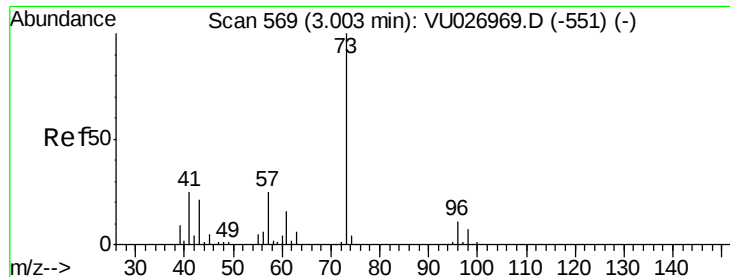
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#18
Methyl Acetate
Concen: 50.550 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion: 43 Resp: 86960
Ion Ratio Lower Upper
43 100
74 23.6 17.7 26.5





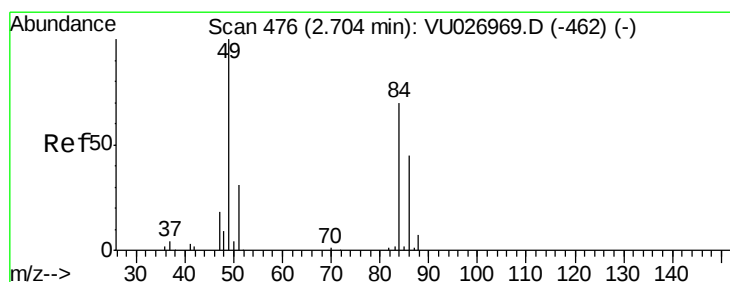
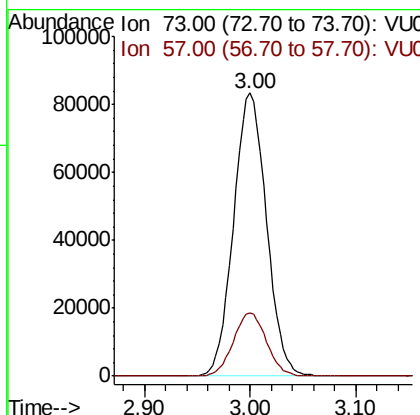
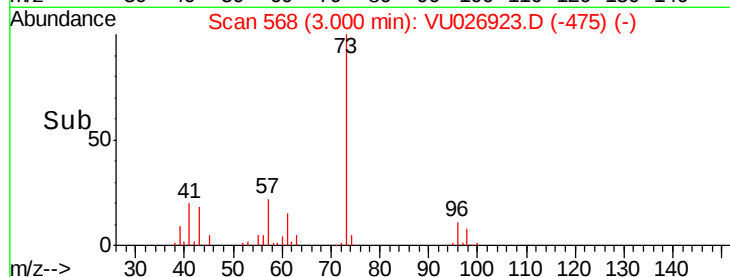
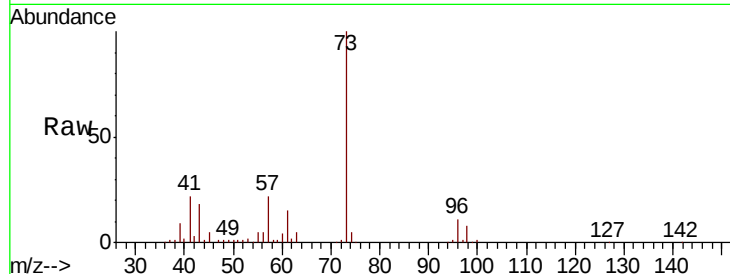
#19
Methvl tert-butvl Ether
Concen: 49.178 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.9	28.3

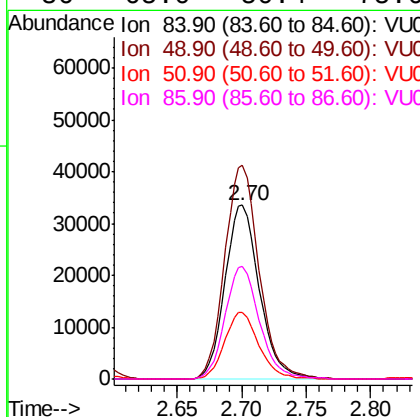
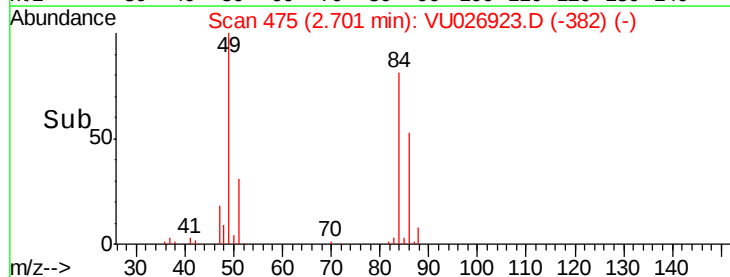
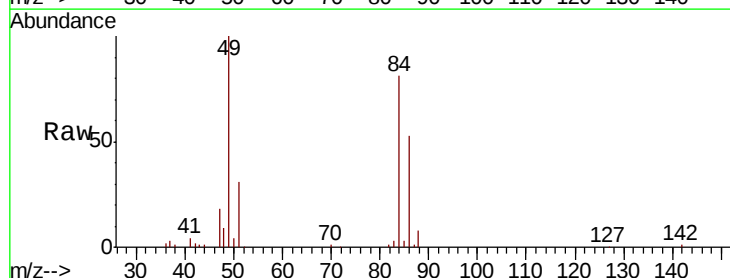
Manual Integrations
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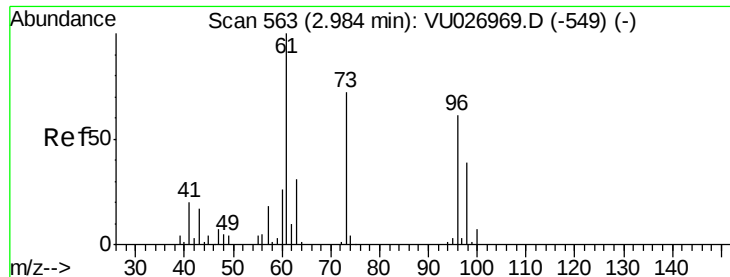
MMDadoda
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#20
Methylene Chloride
Concen: 48.054 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.0	100.6	151.0
51	38.0	30.9	46.3
86	65.0	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 49.159 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 55193

Ion Ratio Lower Upper

96 100

61 142.2 117.7 176.5

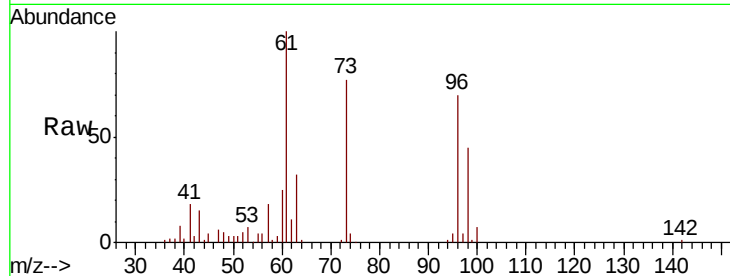
98 64.7 52.0 78.0

Manual Integrations

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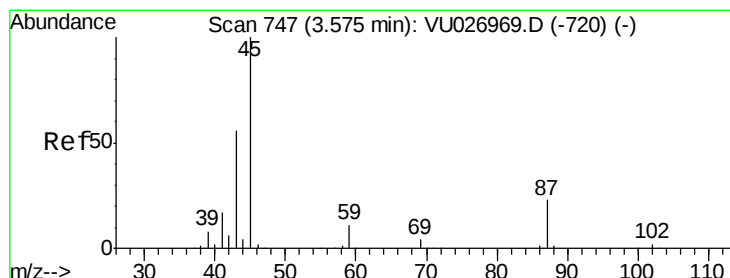
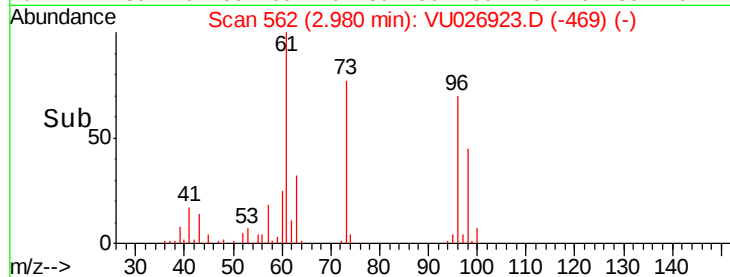
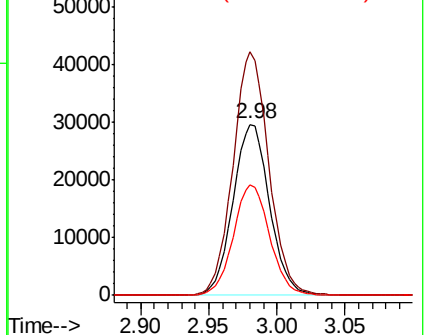
9/21/2018 4:12:36 PM



Abundance Ion 95.90 (95.60 to 96.60): VU026923.D (-469) (-)

Ion 60.90 (60.60 to 61.60): VU026923.D (-469) (-)

Ion 97.90 (97.60 to 98.60): VU026923.D (-469) (-)



#22

Diisopropyl ether

Concen: 47.314 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Tgt Ion: 45 Resp: 189546

Ion Ratio Lower Upper

45 100

43 55.3 44.6 67.0

87 27.6 21.4 32.0

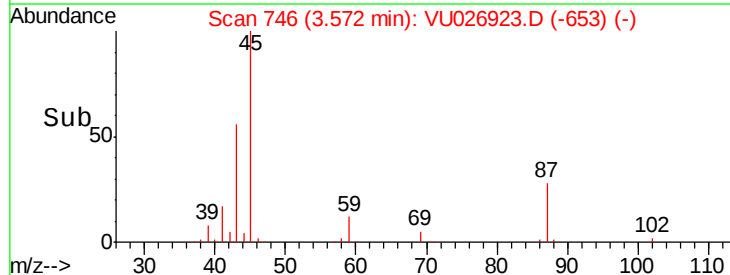
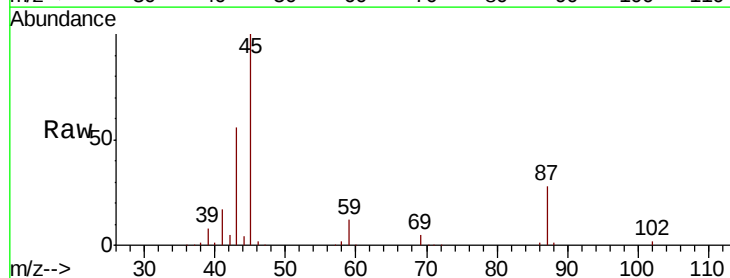
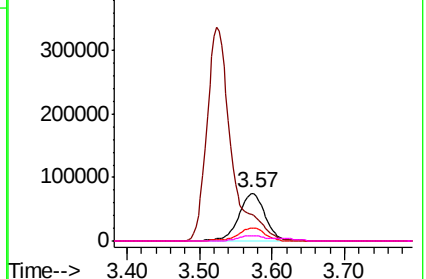
59 11.8 9.0 13.4

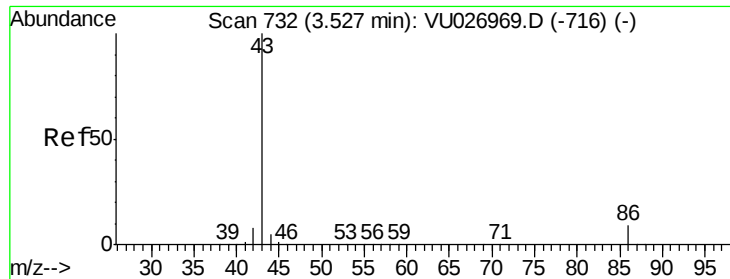
Abundance Ion 45.00 (44.70 to 45.70): VU026923.D (-653) (-)

Ion 43.00 (42.70 to 43.70): VU026923.D (-653) (-)

Ion 87.00 (86.70 to 87.70): VU026923.D (-653) (-)

Ion 59.00 (58.70 to 59.70): VU026923.D (-653) (-)





#23

Vinyl Acetate

Concen: 232.955 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 792755

Ion Ratio Lower Upper

43 100

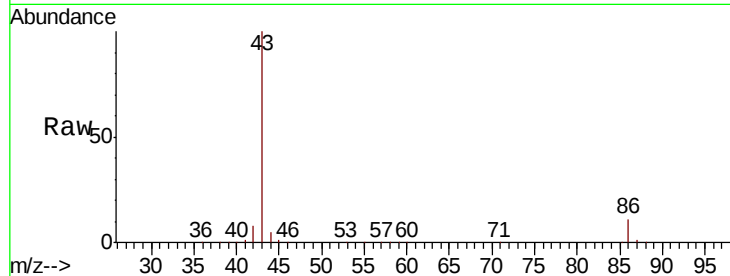
86 11.0 7.8 11.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU026923.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU026923.D (-639) (-)

3.52

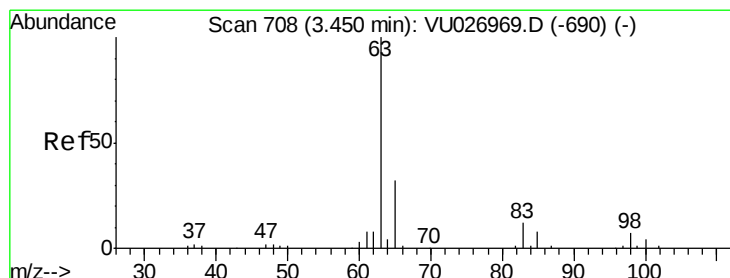
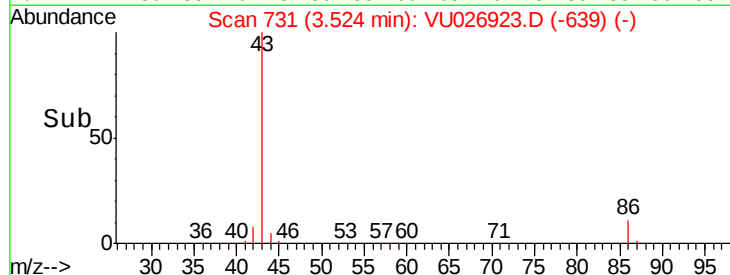
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.443 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

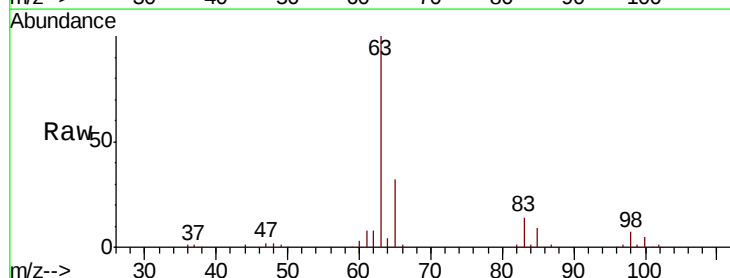
Tgt Ion: 63 Resp: 107215

Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.4

100 4.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU026923.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU026923.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU026923.D (-614) (-)

3.45

60000

50000

40000

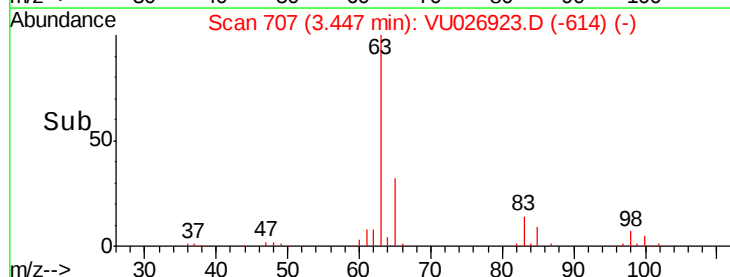
30000

20000

10000

0

Time-->





#25

2-Butanone

Concen: 217.440 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 233525

Ion Ratio Lower Upper

43 100

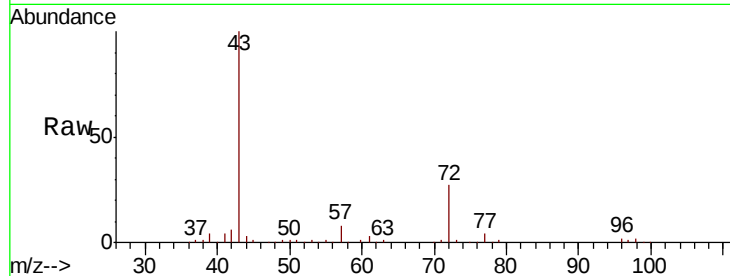
72 26.5 20.3 30.5

Manual Integrations

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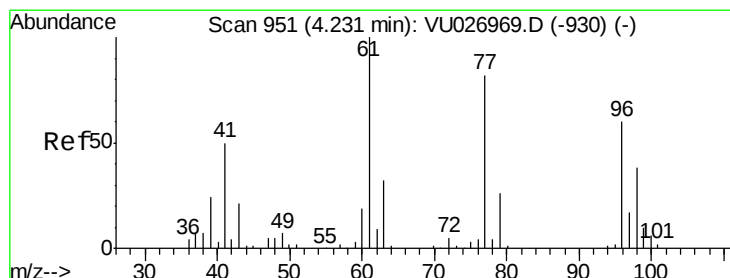
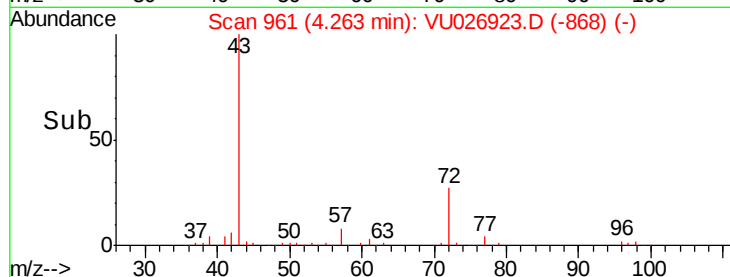
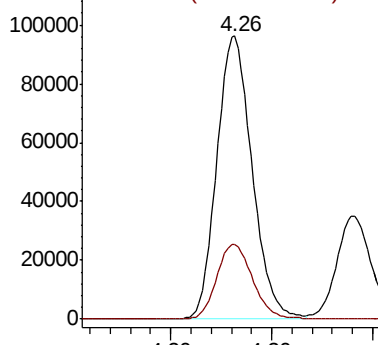
MMDadoda

9/21/2018 4:12:36 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: 36.395 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026923.D

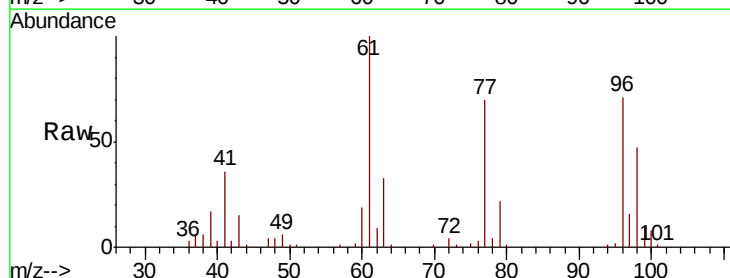
Acq: 20 Sep 2018 01:28

Tgt Ion: 77 Resp: 67606

Ion Ratio Lower Upper

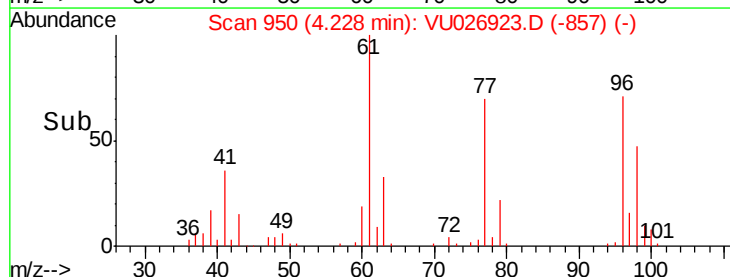
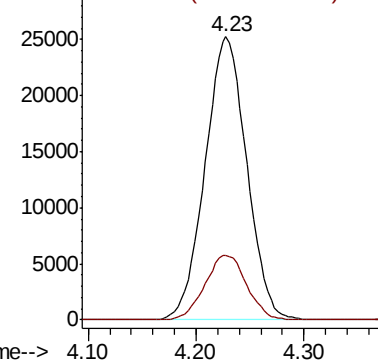
77 100

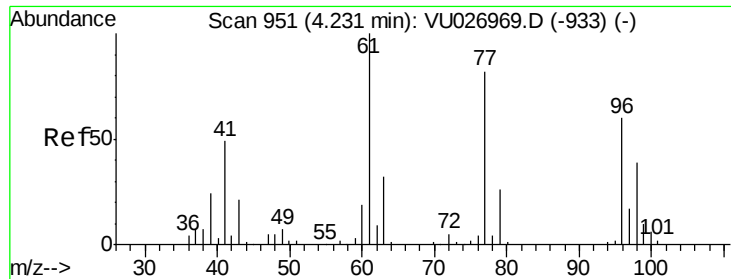
97 22.9 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





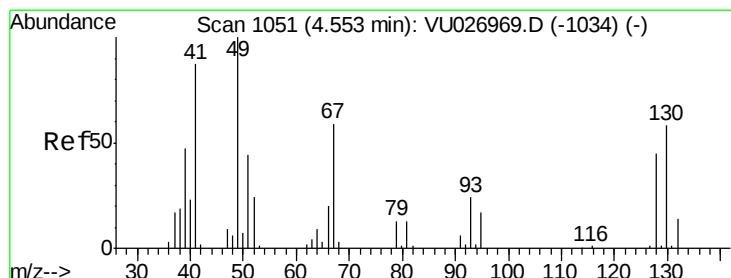
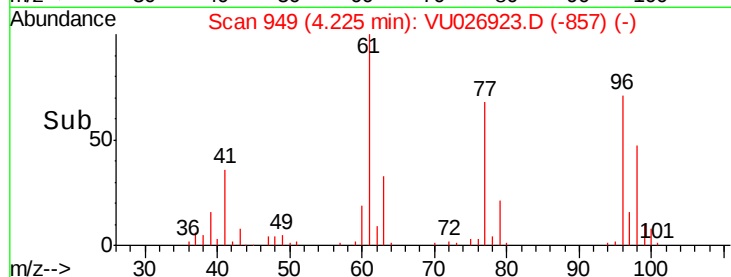
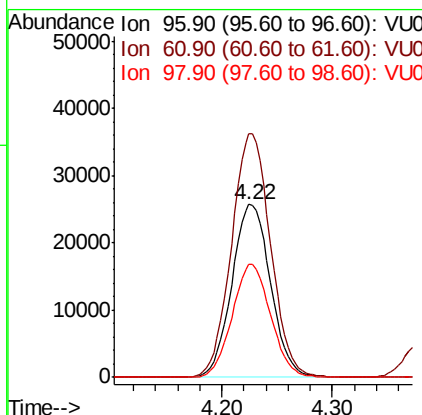
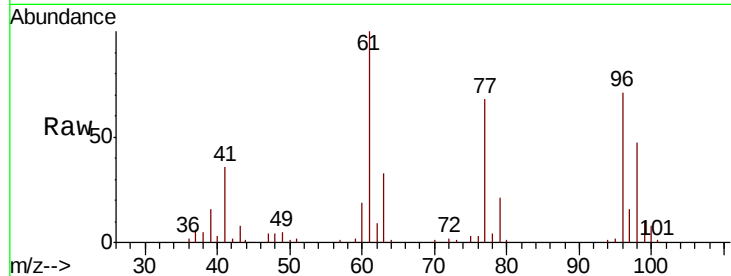
#27
 cis-1,2-Dichloroethene
 Concen: 48.230 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	301.8
98	65.0	0.0	127.2

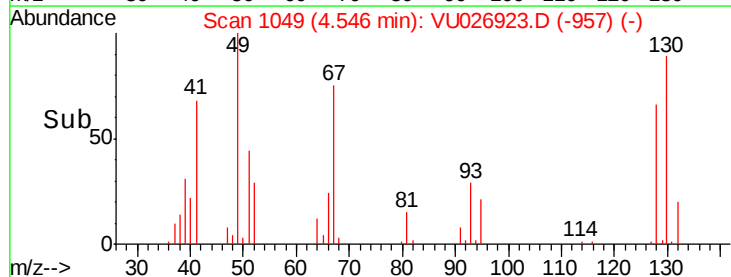
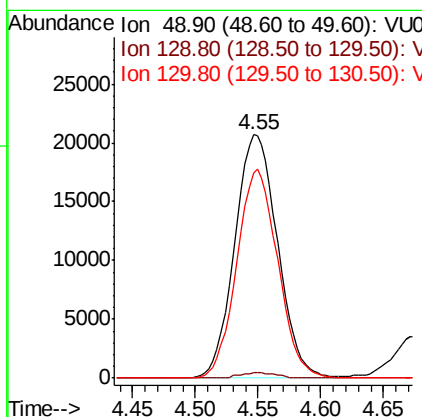
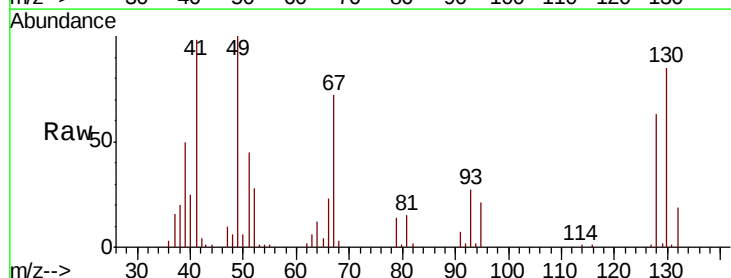
Manual Integrations
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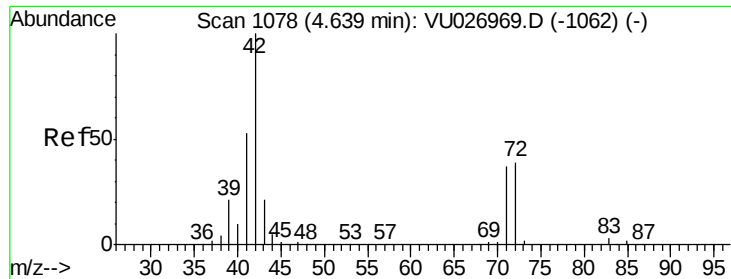
MMDadoda
 9/21/2018 4:12:36 PM



#28
 Bromochloromethane
 Concen: 45.486 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	82.1	59.8	89.6





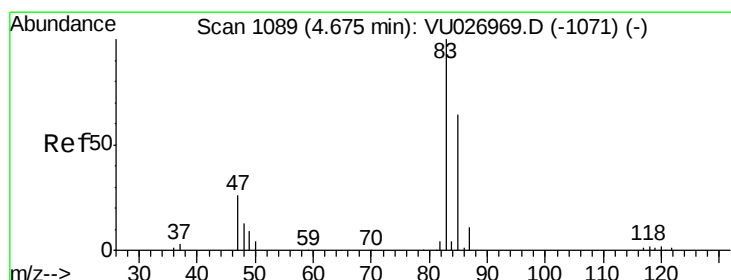
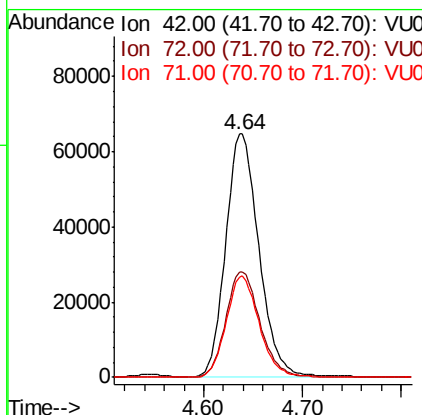
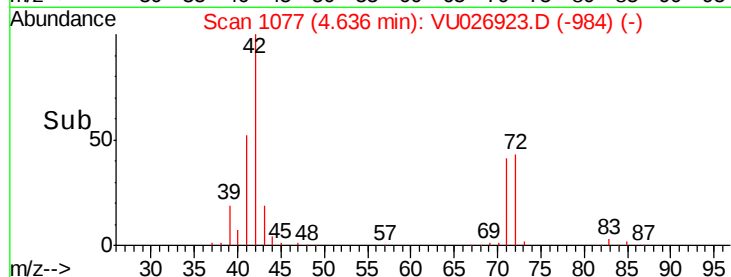
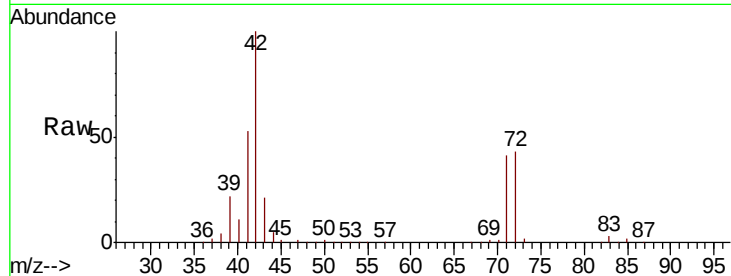
#29
Tetrahydrofuran
Concen: 234.269 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.4	51.6
71	41.6	32.4	48.6

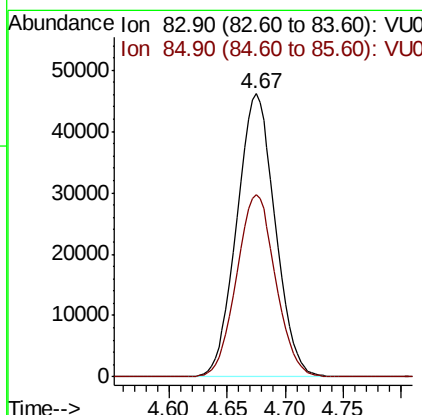
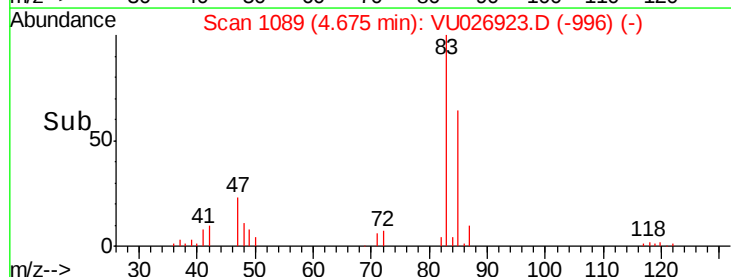
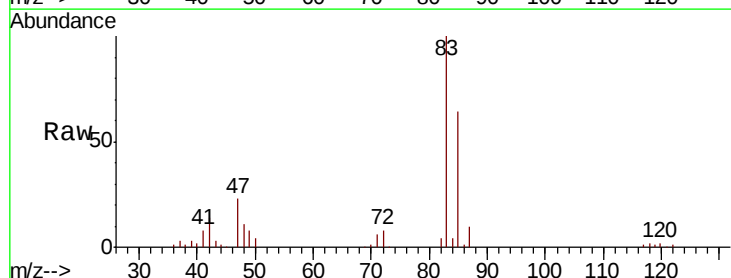
Manual Integrations
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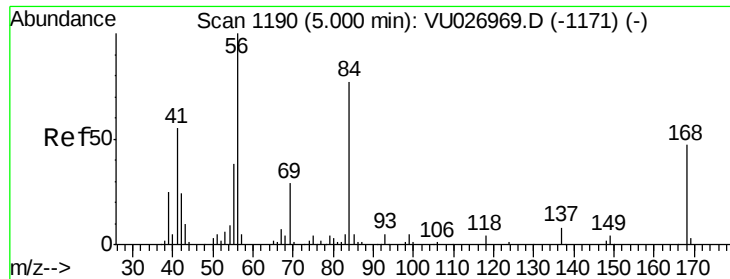
MMDadoda
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#30
Chloroform
Concen: 47.781 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.3	79.9





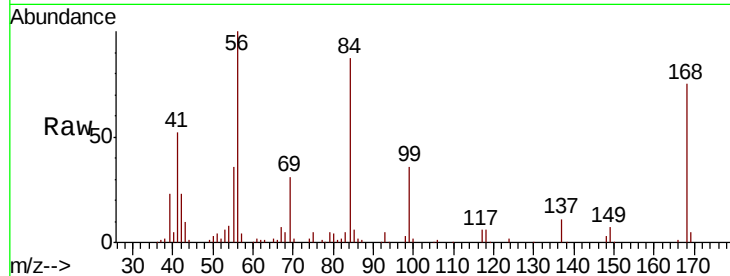
#31
Cyclohexane
Concen: 45.876 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

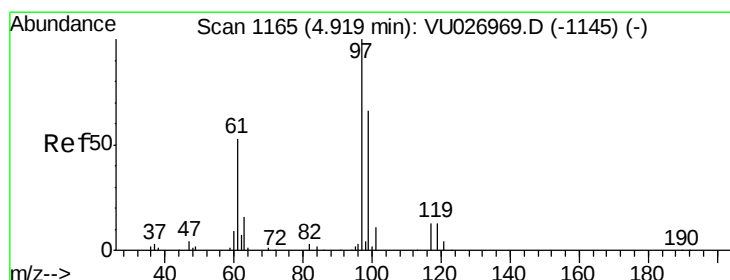
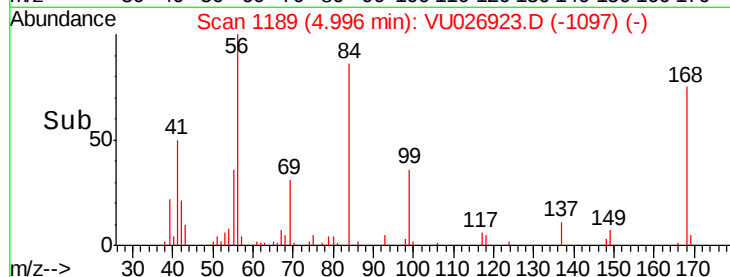
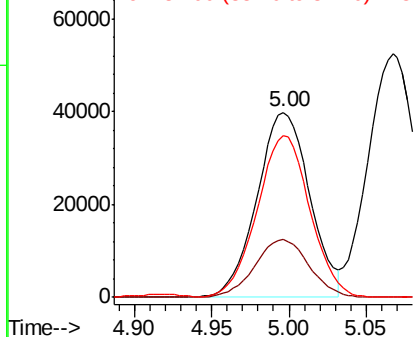
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.9	37.3
84	86.5	66.6	100.0

Manual Integrations
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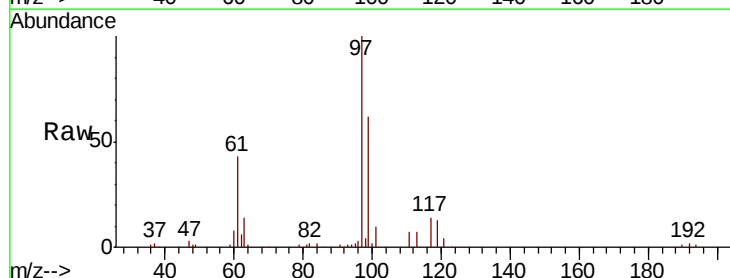


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

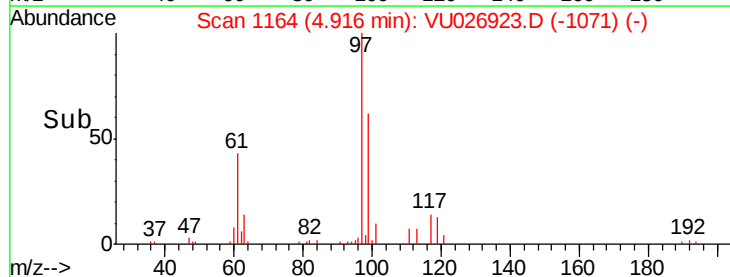
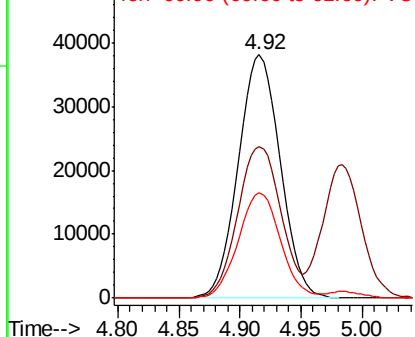


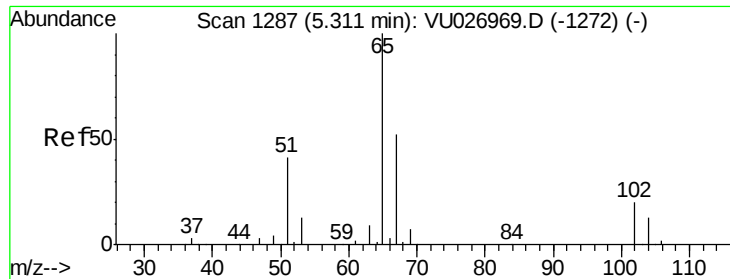
#32
1,1,1-Trichloroethane
Concen: 49.420 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.2	78.2
61	43.6	36.8	55.2



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





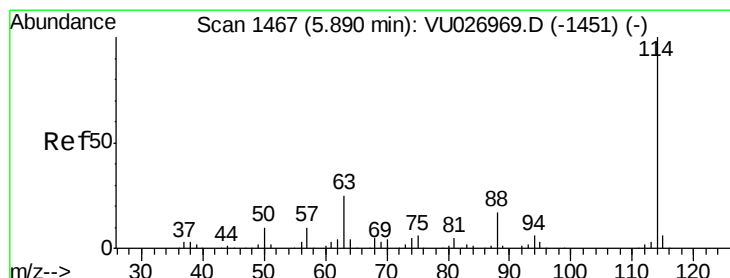
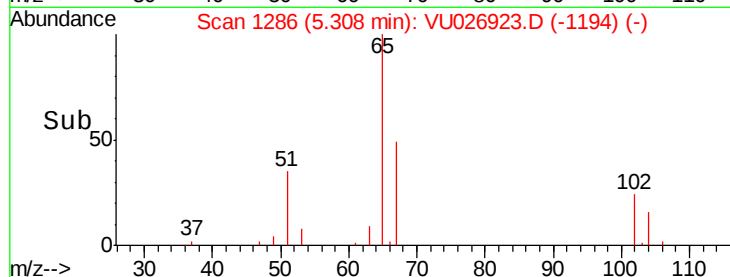
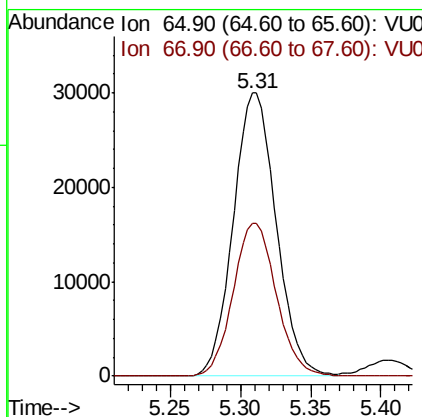
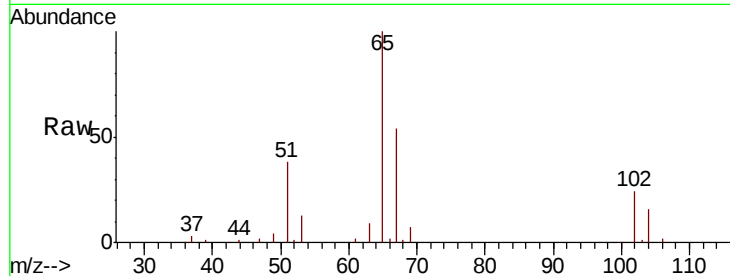
#33
 1,2-Dichloroethane-d4
 Concen: 45.380 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	106.4

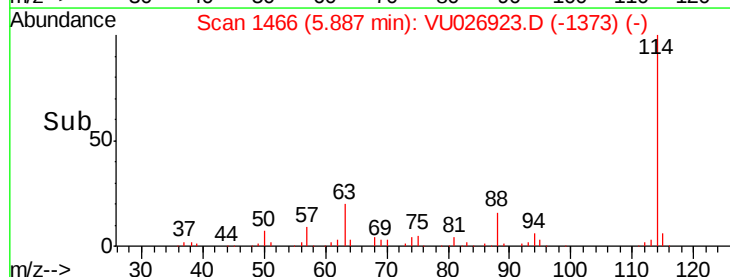
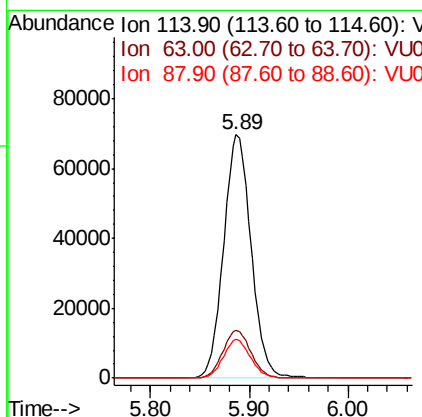
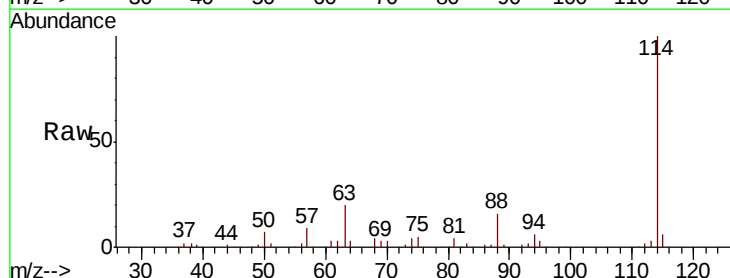
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.4
88	15.8	0.0	30.8





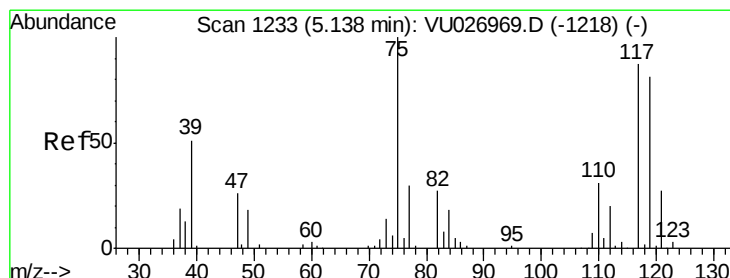
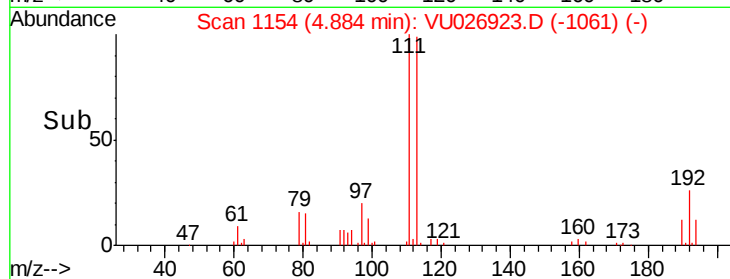
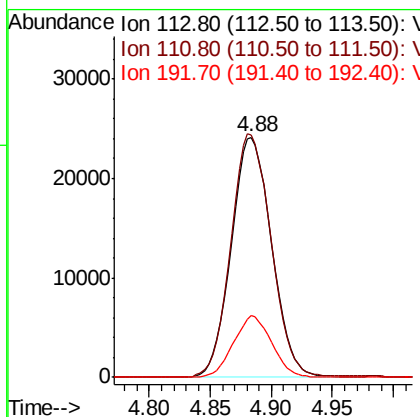
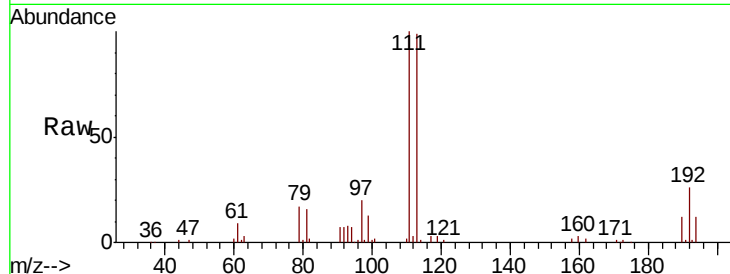
#35
 Dibromofluoromethane
 Concen: 49.857 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.1	124.7
192	24.2	17.4	26.2

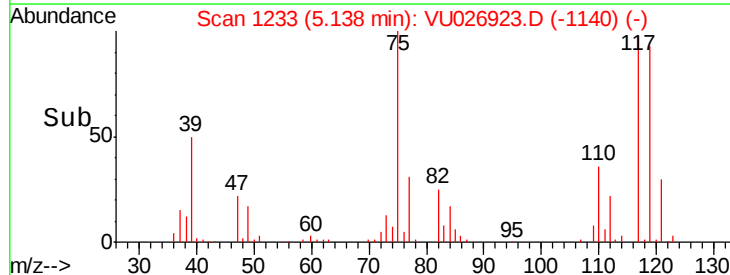
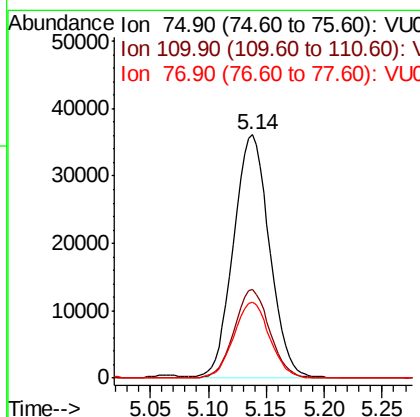
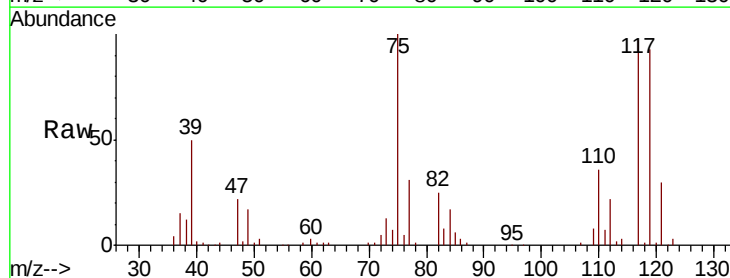
Manual Integrations
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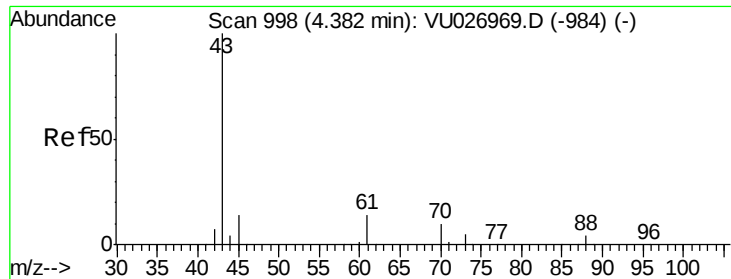
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#36
 1,1-Dichloropropene
 Concen: 51.109 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.3	51.9
77	30.9	24.9	37.3





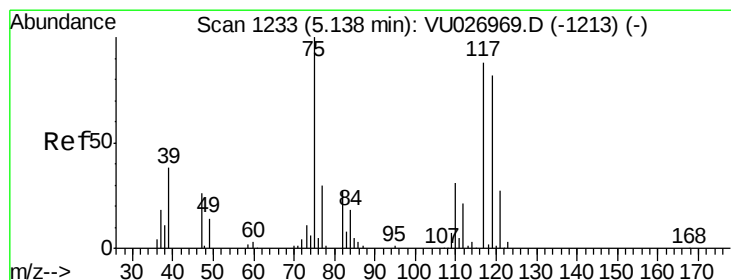
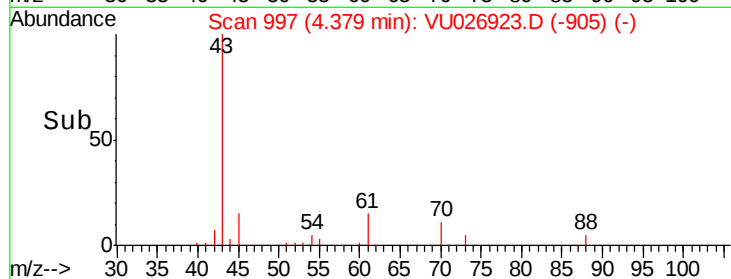
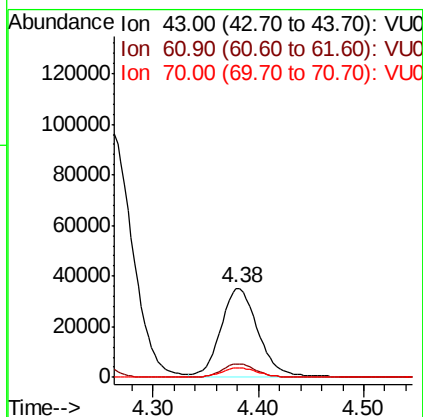
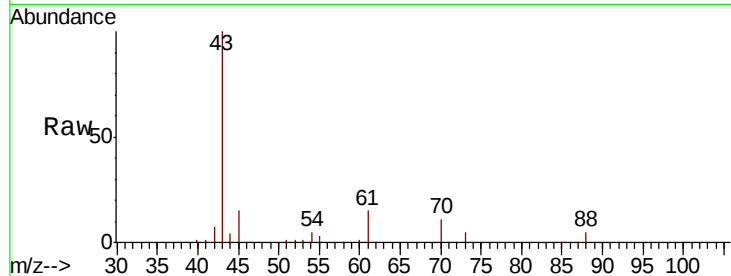
#37
Ethyl Acetate
Concen: 46.301 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.5	17.3
70	10.8	7.8	11.8

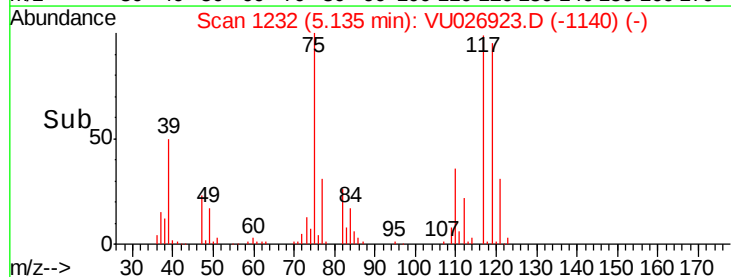
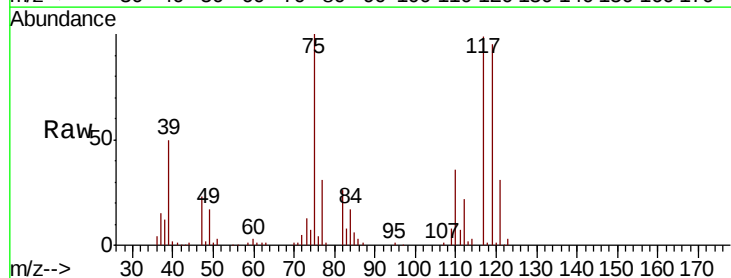
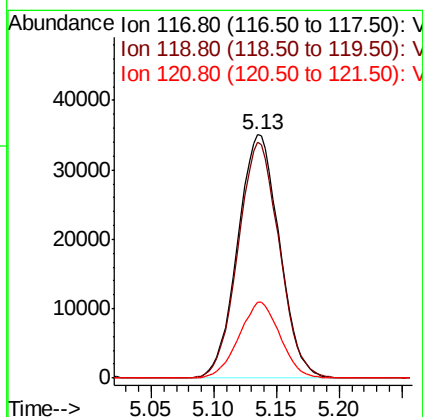
Manual Integrations
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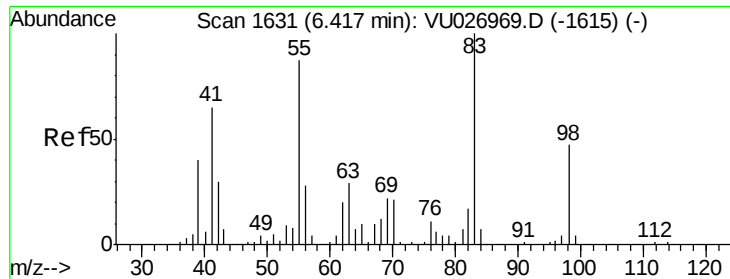
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#38
Carbon Tetrachloride
Concen: 50.215 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.8	116.8
121	31.1	25.0	37.4





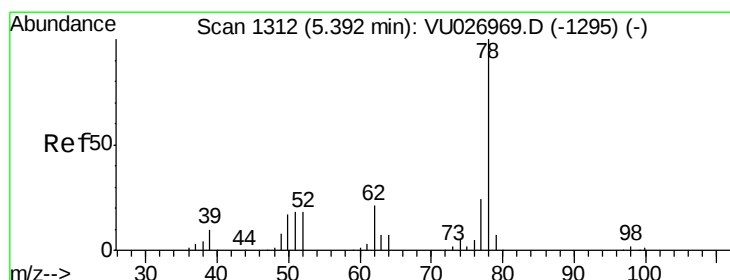
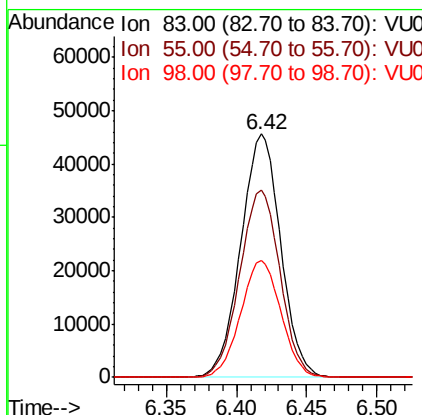
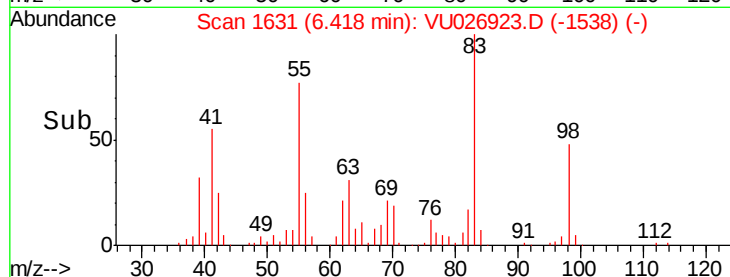
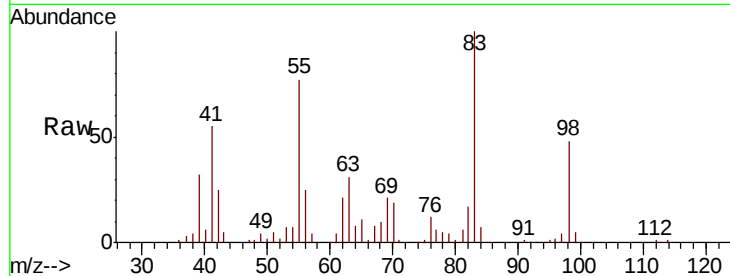
#39
Methylvlcvclohexane
Concen: 49.770 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	63.8	95.6
98	48.1	37.2	55.8

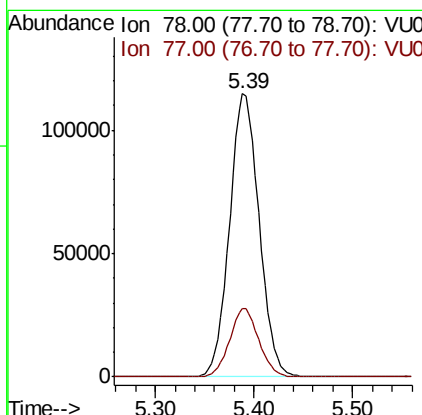
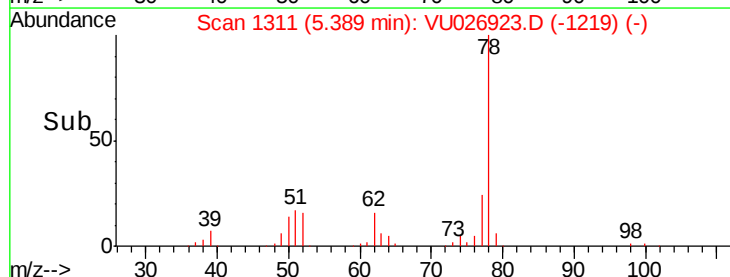
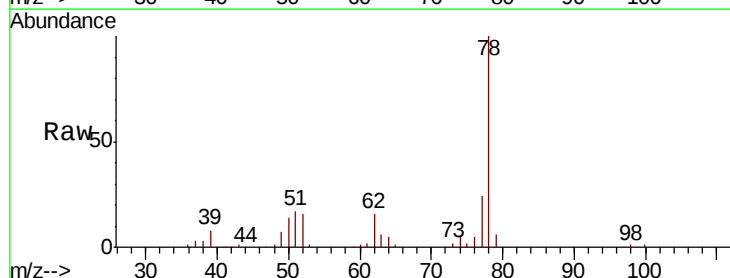
Manual Integrations
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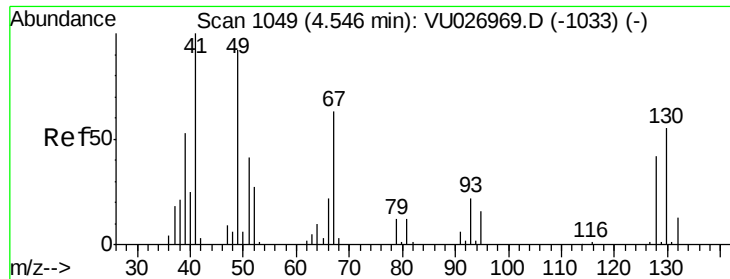
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#40
Benzene
Concen: 50.621 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.5	29.3





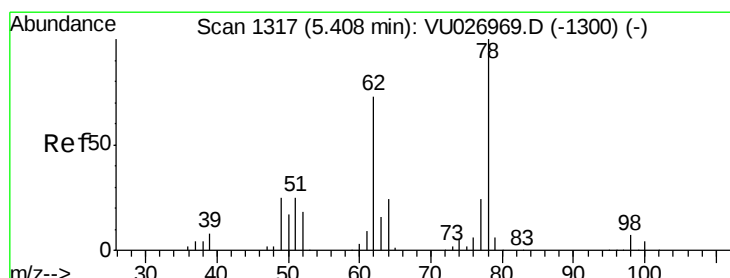
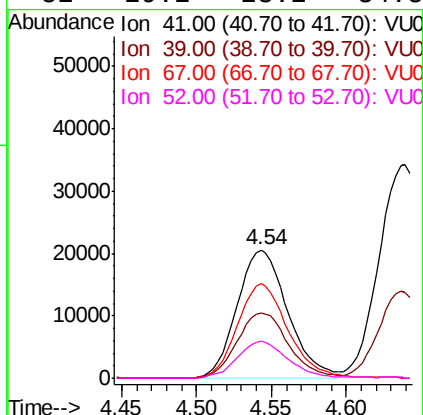
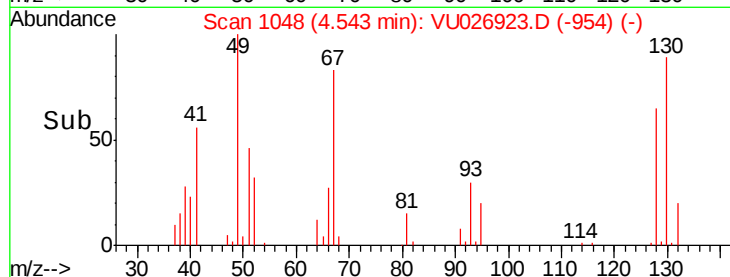
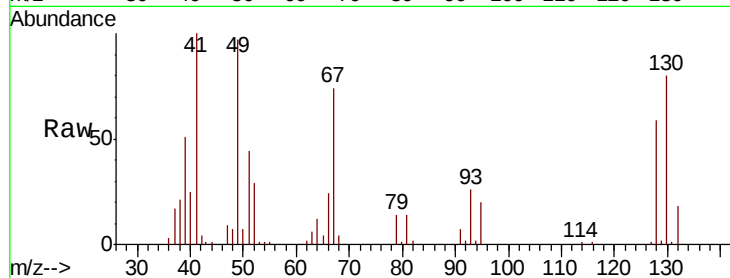
#41
Methacrylonitrile
Concen: 46.809 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	42.9	64.3	
67	73.4	56.6	84.8	
52	29.2	23.2	34.8	

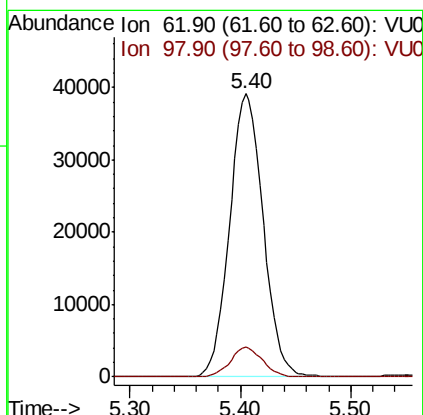
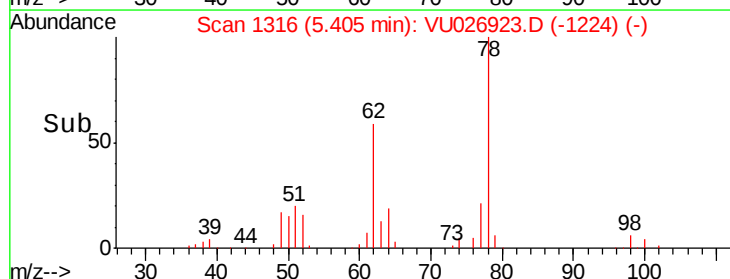
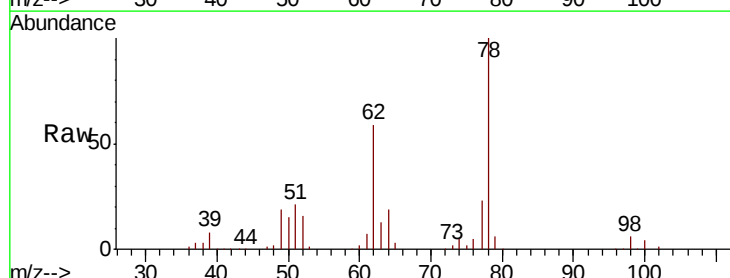
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 48.796 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	17.8	





#43

Isopropyl Acetate

Concen: 47.674 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

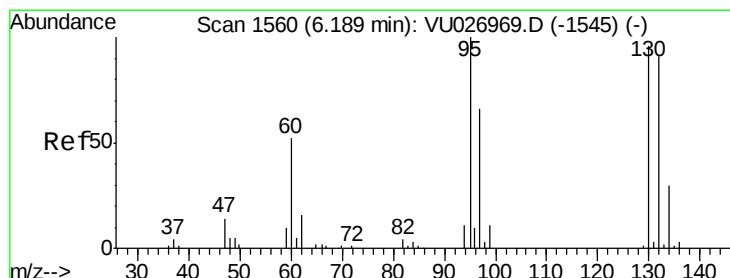
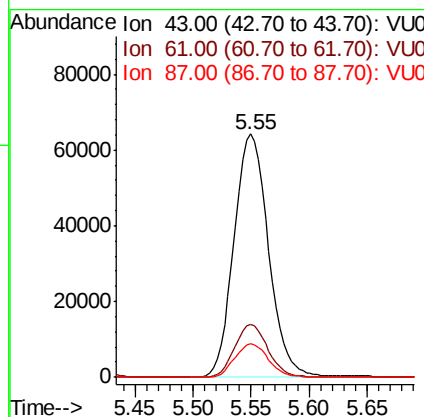
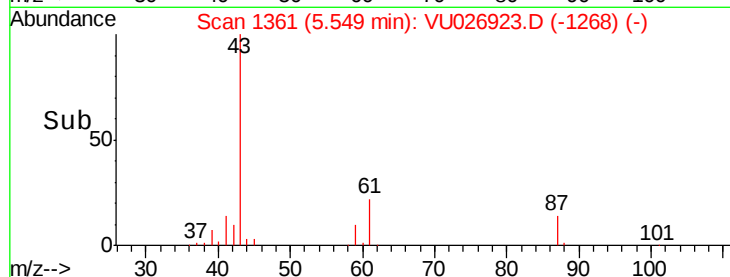
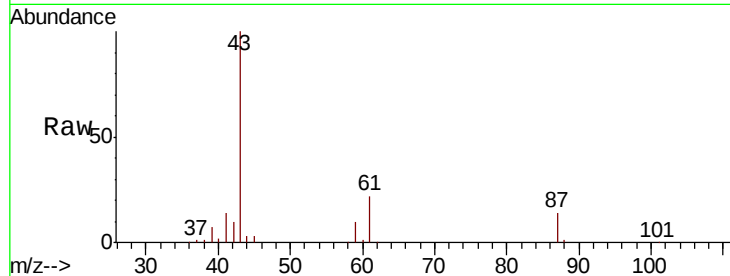
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	133350
Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.0	24.0
87	13.5	10.1	15.1

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#44

Trichloroethene

Concen: 52.944 ug/l

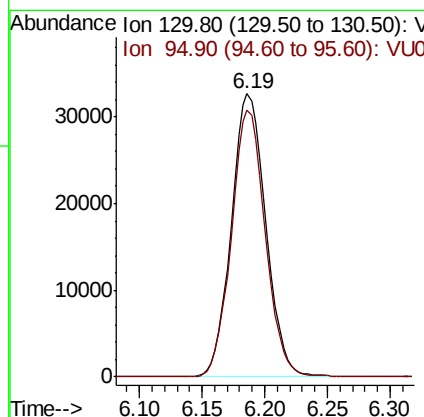
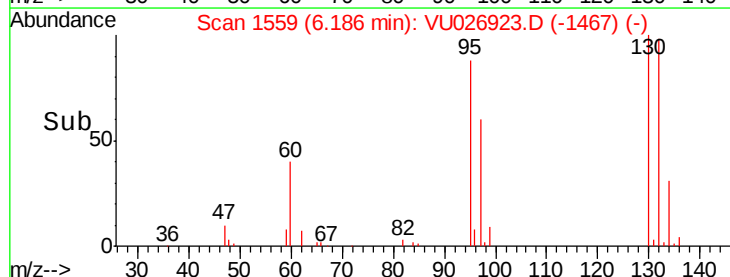
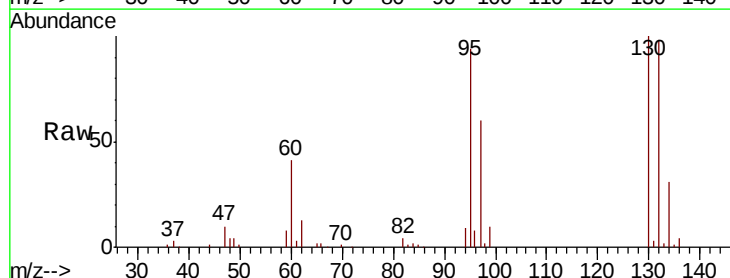
RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Tgt Ion:	130	Resp:	62164
Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	199.4





#45

1,2-Dichloropropane

Concen: 49.003 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 63197

Ion Ratio Lower Upper

63 100

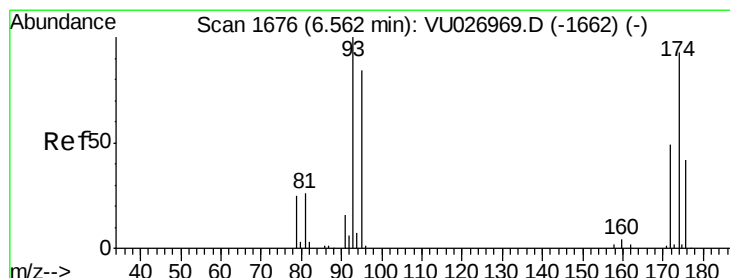
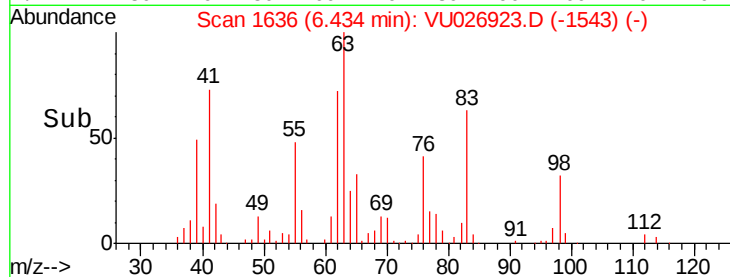
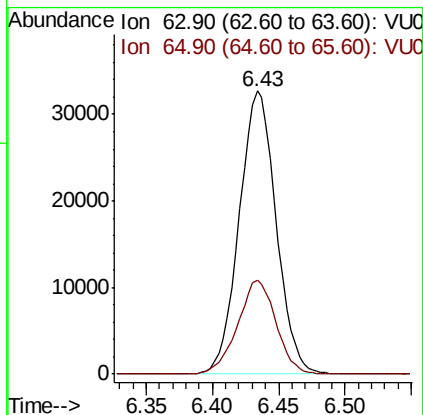
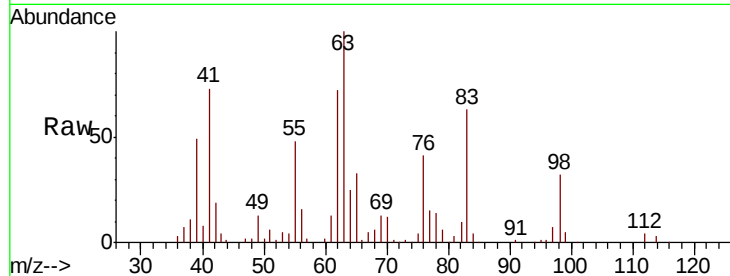
65 33.4 25.0 37.4

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#46

Dibromomethane

Concen: 50.059 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

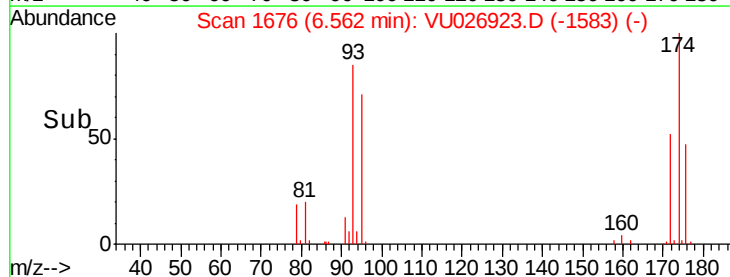
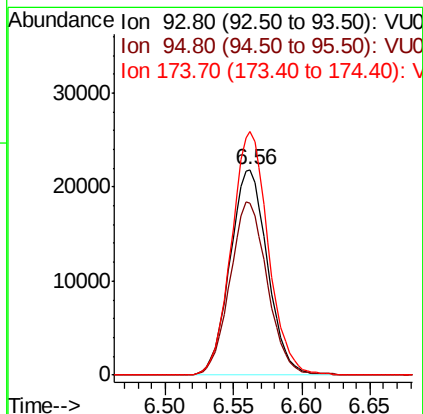
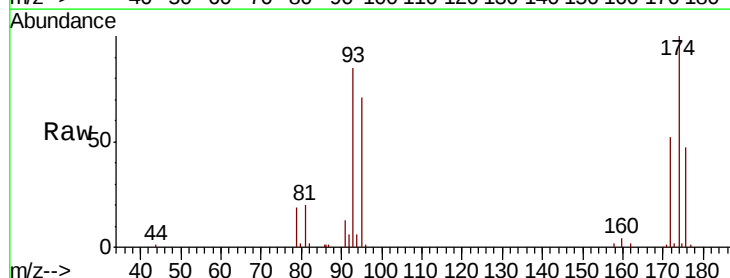
Tgt Ion: 93 Resp: 41661

Ion Ratio Lower Upper

93 100

95 83.7 65.4 98.2

174 116.7 81.6 122.4





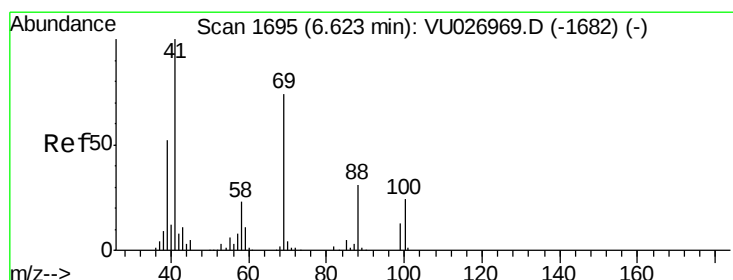
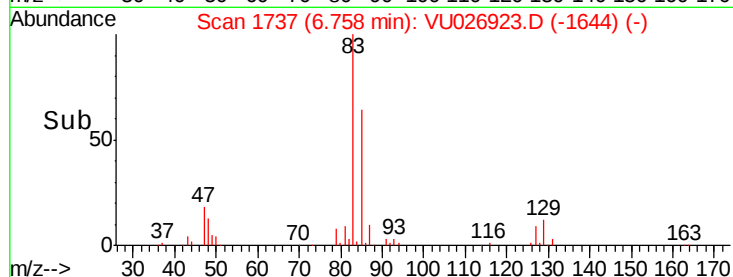
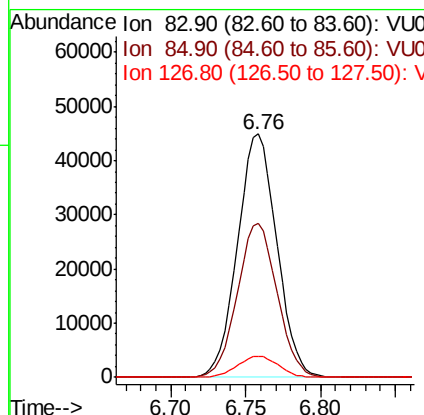
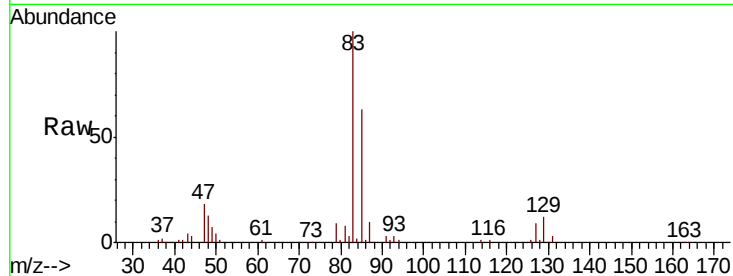
#47
 Bromodichloromethane
 Concen: 50.153 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	83	Resp	82190
Ion Ratio	100		
83	100		
85	63.4	51.1	76.7
127	8.7	6.9	10.3

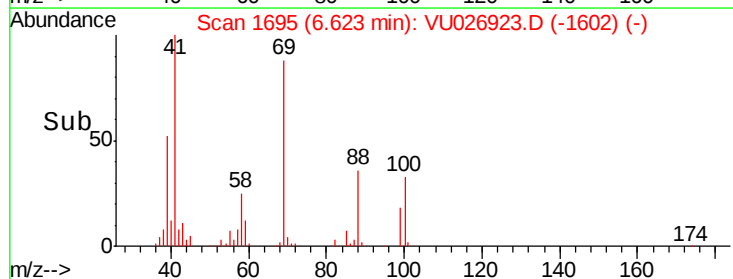
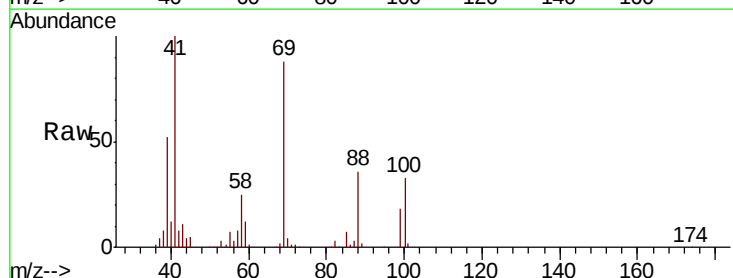
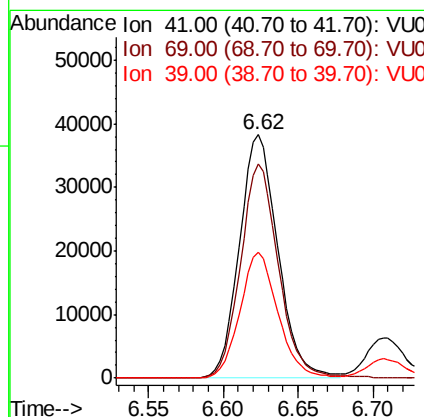
Manual Integrations
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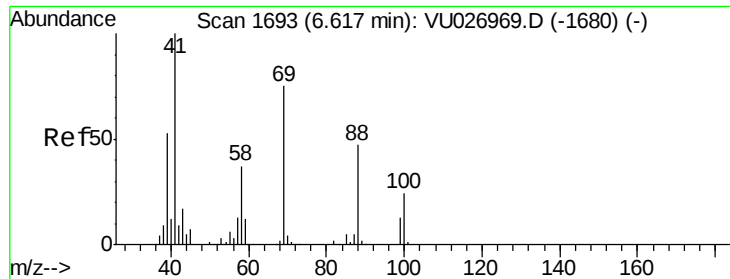
MMDadoda
 9/21/2018 4:12:36 PM



#48
 Methyl methacrylate
 Concen: 44.991 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Tgt Ion	41	Resp	68567
Ion Ratio	100		
41	100		
69	86.9	66.6	99.8
39	51.0	43.6	65.4





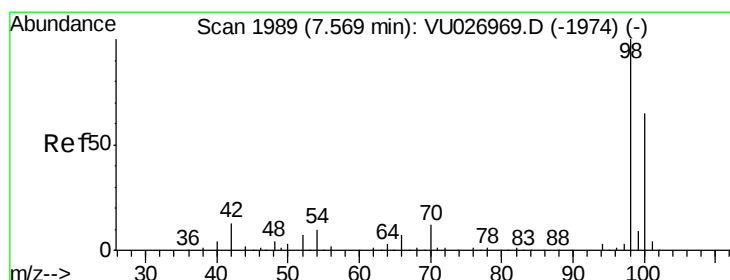
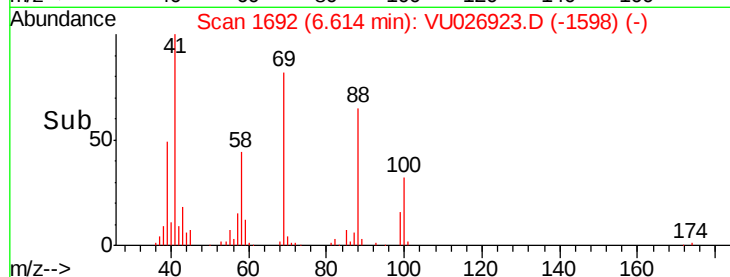
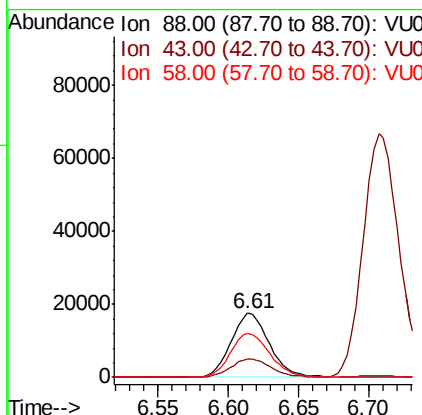
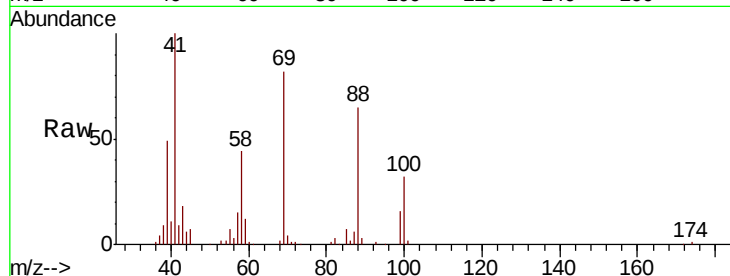
#49
1,4-Dioxane
Concen: 955.727 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	25.5	38.3
58	70.9	58.2	87.4

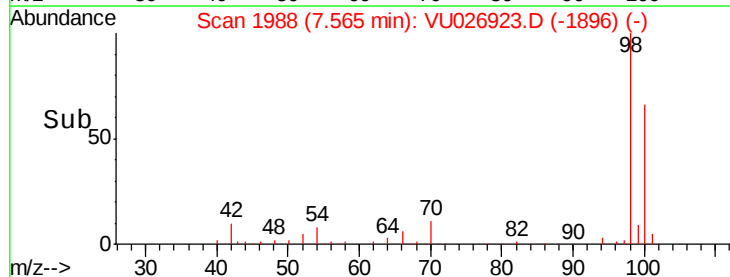
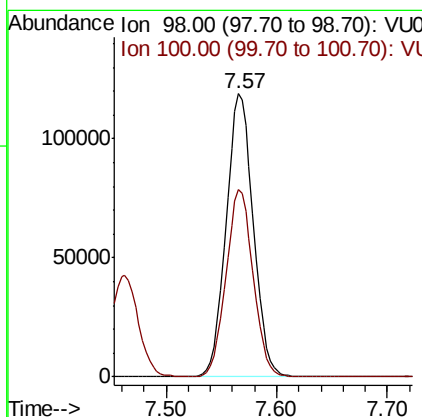
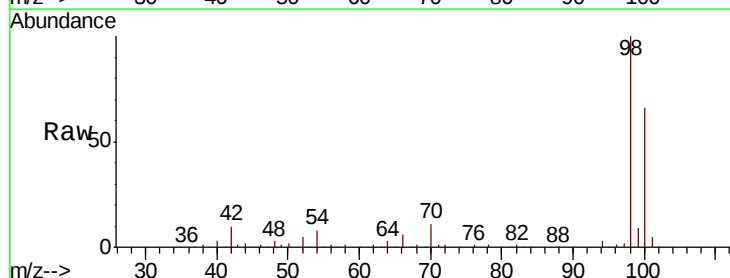
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#50
Toluene-d8
Concen: 49.442 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 236.217 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 441953

Ion Ratio Lower Upper

43 100

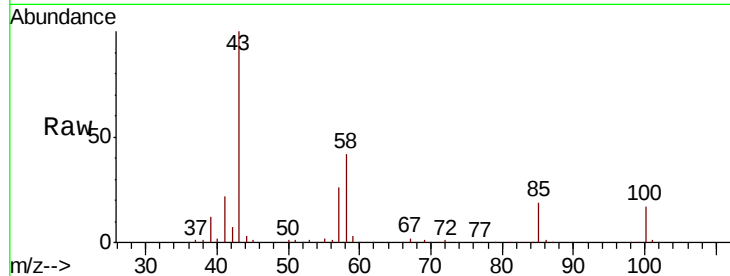
58 41.1 31.1 46.7

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Abundance Ion 43.00 (42.70 to 43.70): VU026923.D (-1863) (-)

Ion 58.00 (57.70 to 58.70): VU026923.D (-1863) (-)

7.46

250000

200000

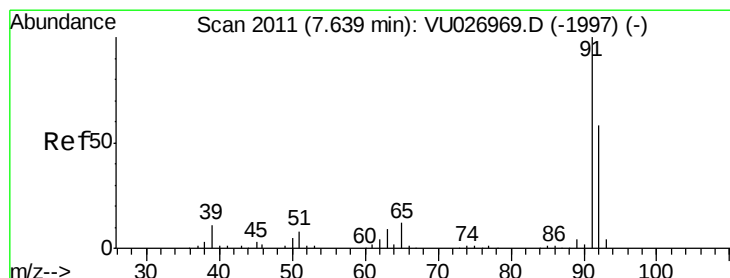
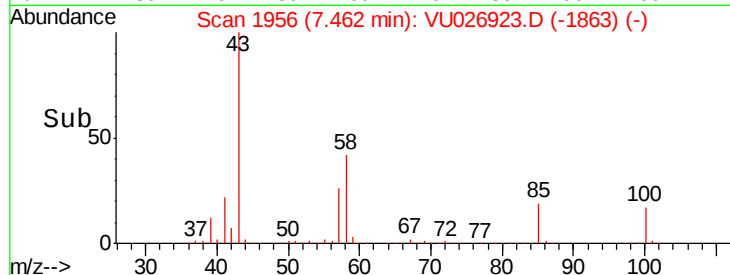
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 53.118 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU026923.D

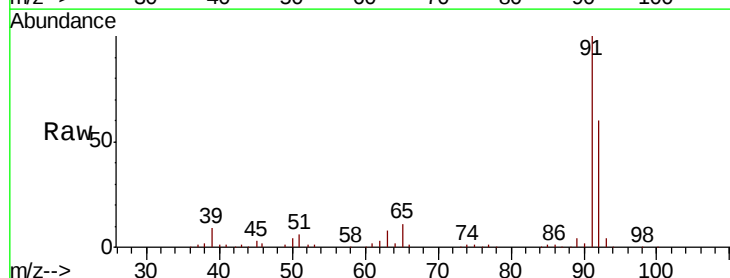
Acq: 20 Sep 2018 01:28

Tgt Ion: 92 Resp: 150106

Ion Ratio Lower Upper

92 100

91 169.4 141.1 211.7



Abundance Ion 92.00 (91.70 to 92.70): VU026923.D (-1918) (-)

Ion 91.00 (90.70 to 91.70): VU026923.D (-1918) (-)

7.64

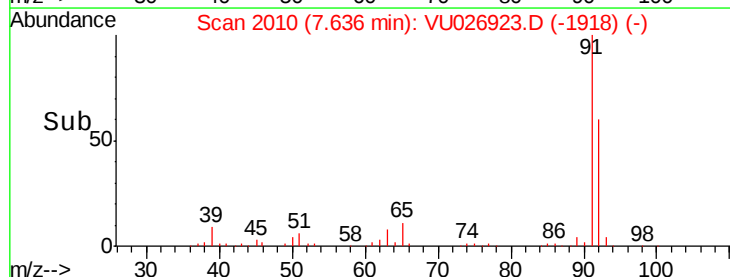
150000

100000

50000

0

Time-->





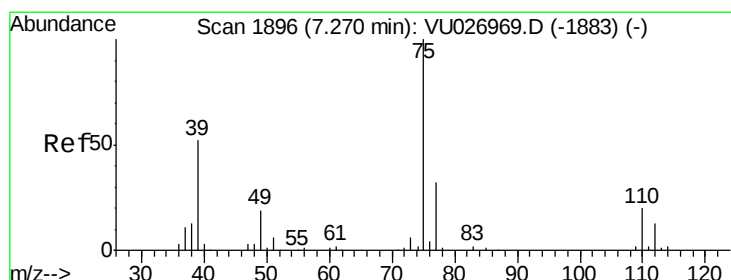
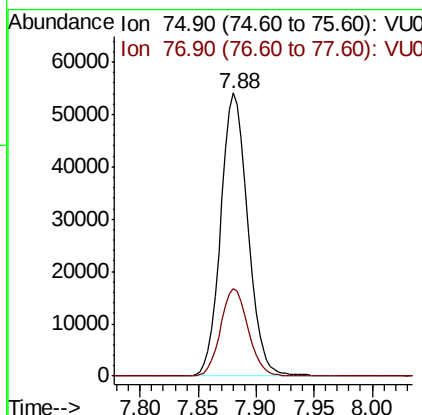
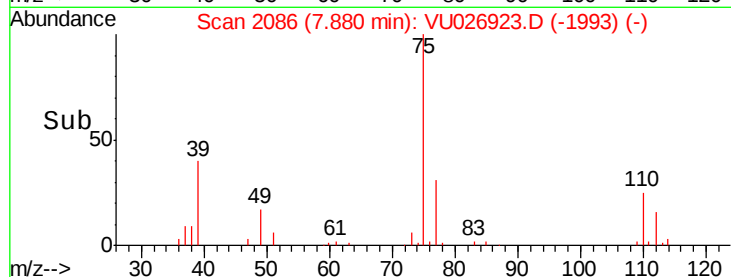
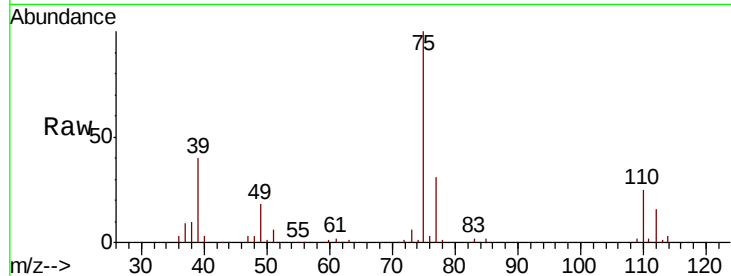
#53
t-1,3-Dichloropropene
Concen: 48.237 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 87683
Ion Ratio Lower Upper
75 100
77 30.8 25.2 37.8

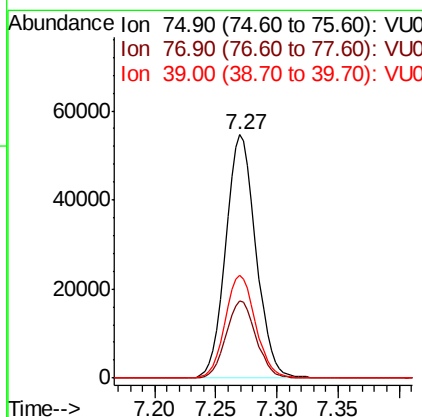
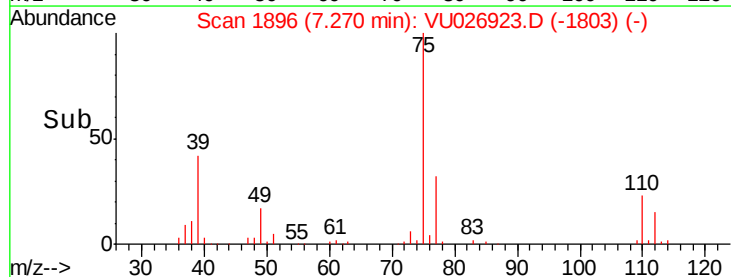
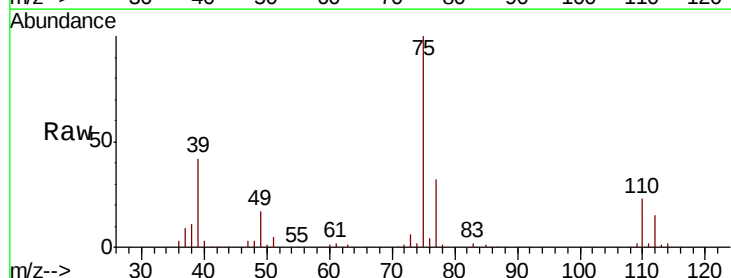
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#54
cis-1,3-Dichloropropene
Concen: 48.467 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion: 75 Resp: 94603
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3
39 42.1 37.0 55.6





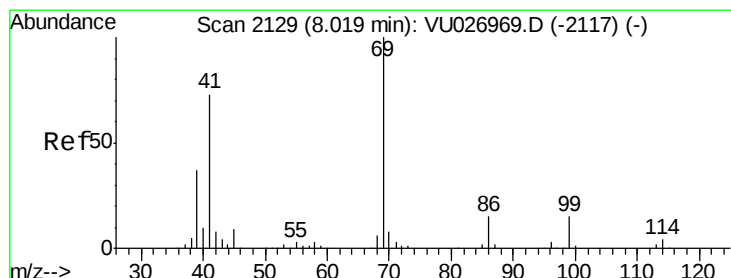
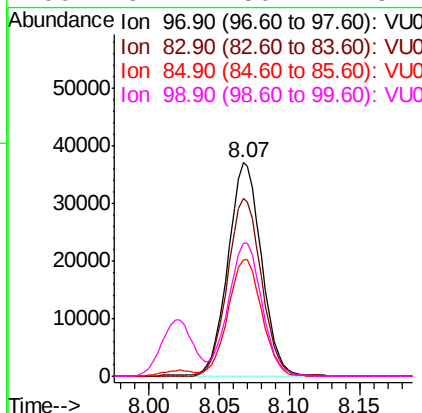
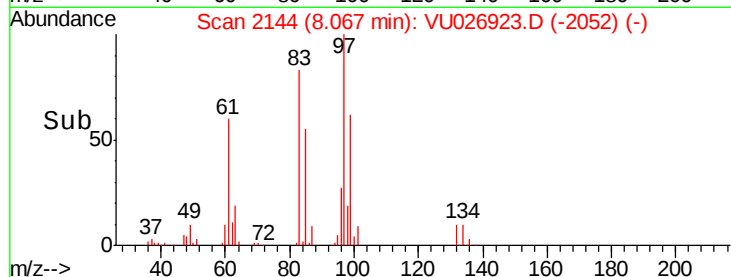
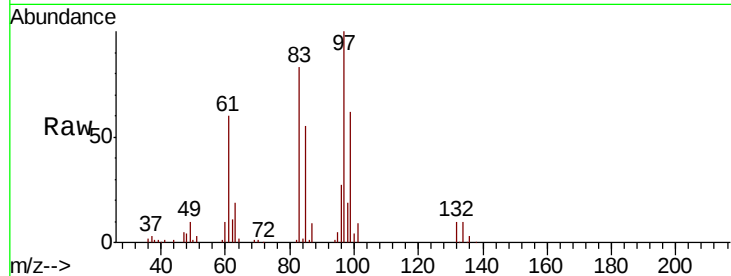
#55
 1,1,2-Trichloroethane
 Concen: 50.907 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	61636
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.3	103.9
85	54.8	45.9	68.9
99	62.2	50.1	75.1

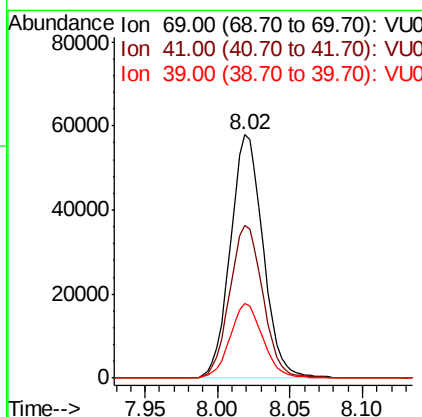
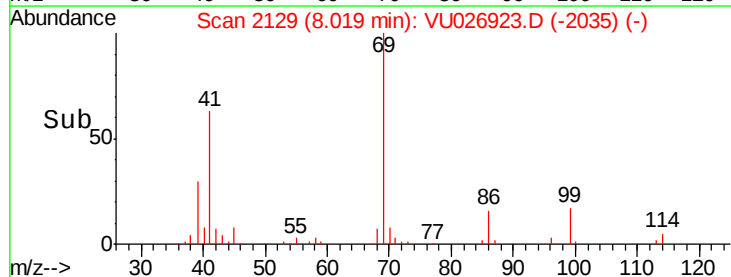
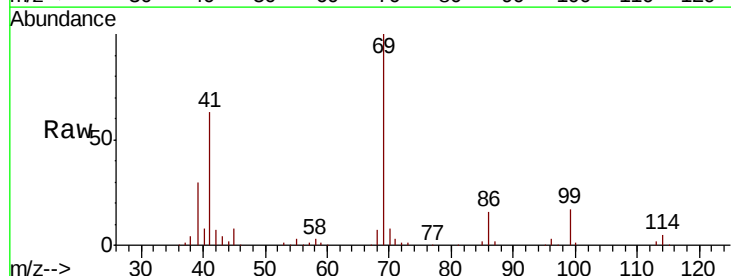
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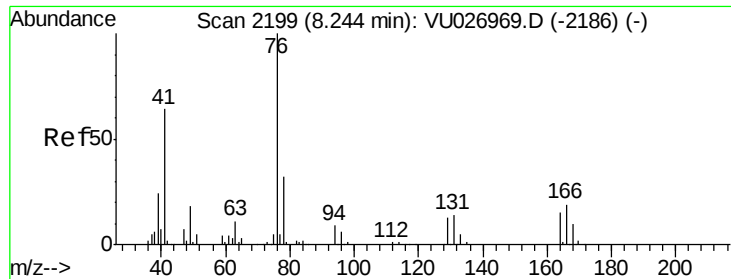
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#56
 Ethyl methacrylate
 Concen: 44.719 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Tgt Ion:	69	Resp:	90560
Ion	Ratio	Lower	Upper
69	100		
41	64.0	54.2	81.2
39	31.0	28.4	42.6





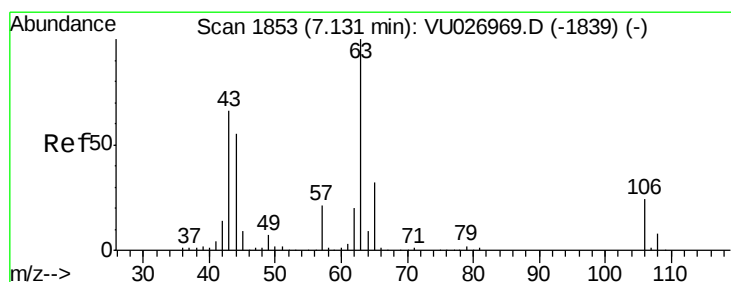
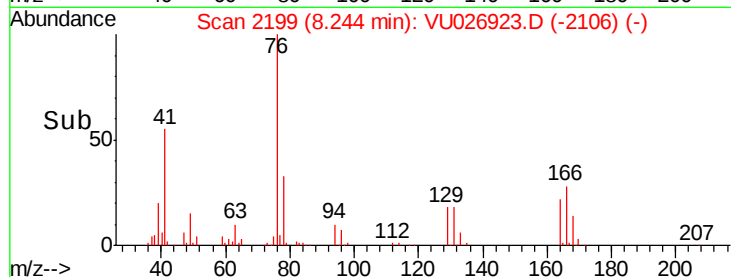
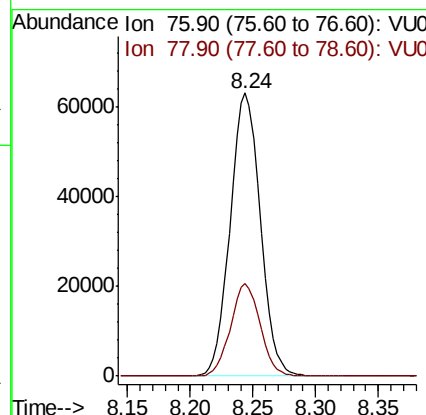
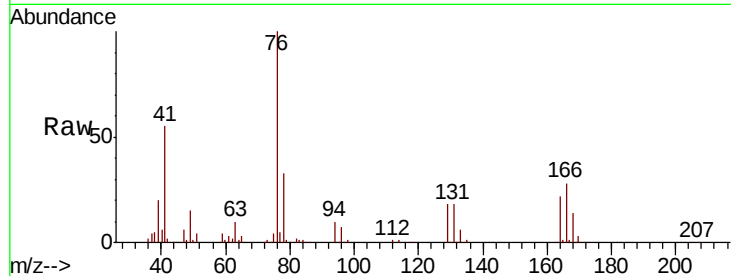
#57
 1,3-Dichloropropane
 Concen: 51.063 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 105377
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.0 39.0

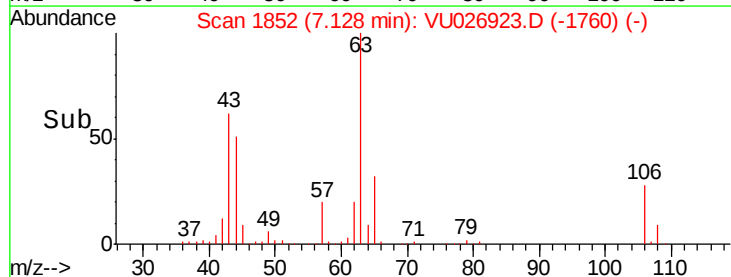
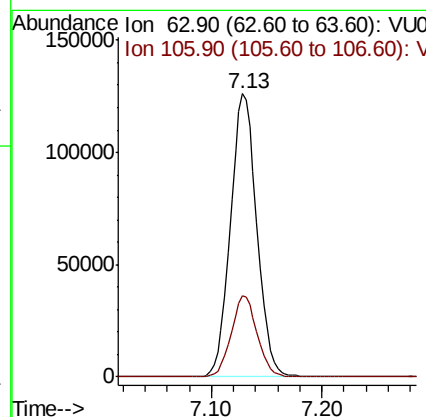
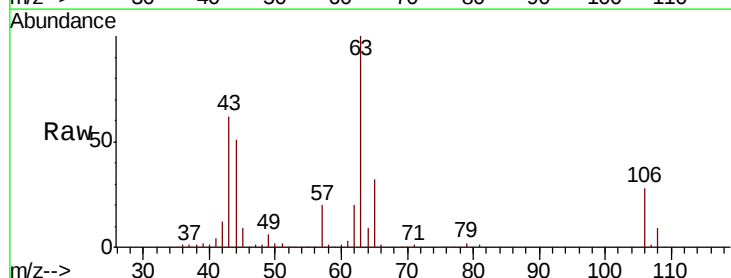
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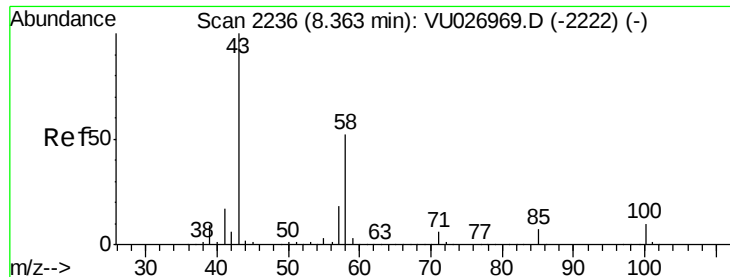
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#58
 2-Chloroethyl Vinyl ether
 Concen: 215.993 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Tgt Ion: 63 Resp: 208565
 Ion Ratio Lower Upper
 63 100
 106 28.1 20.5 30.7





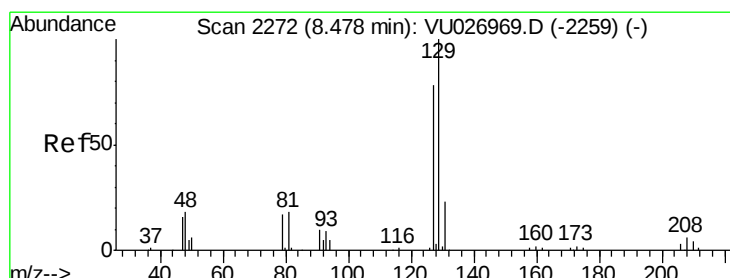
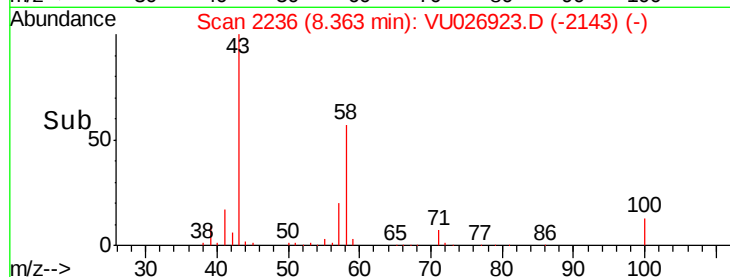
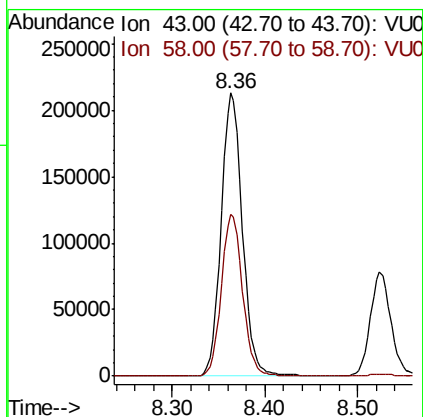
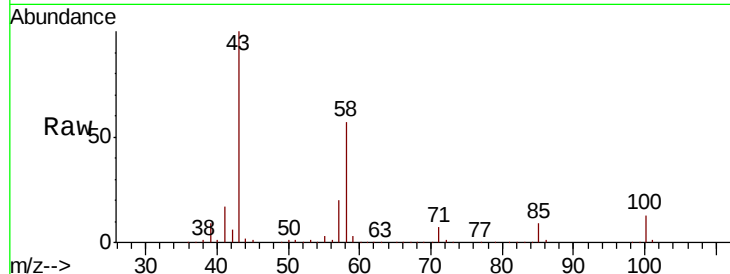
#59
2-Hexanone
Concen: 229.669 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.3	26.9	80.7

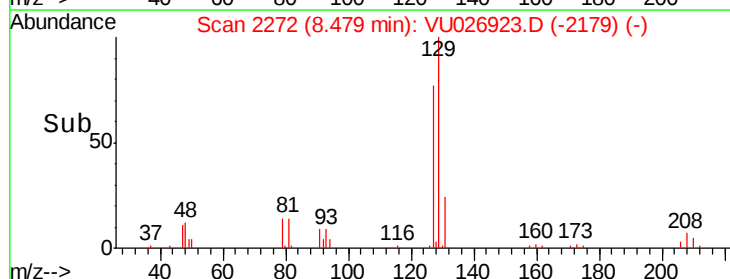
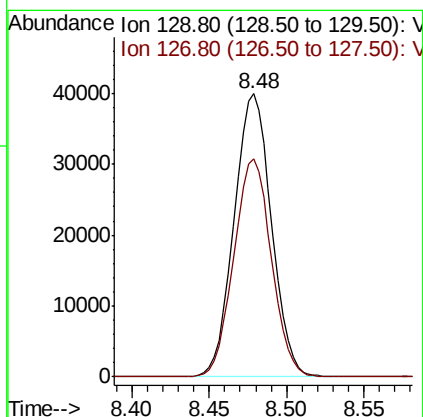
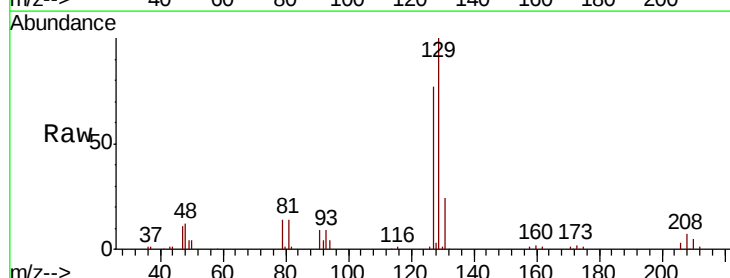
Manual Integrations
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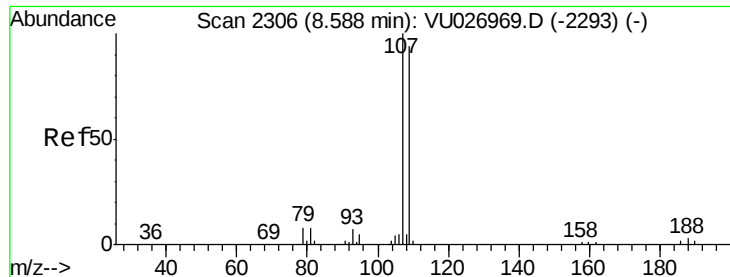
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#60
Dibromochloromethane
Concen: 50.960 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.3	114.9





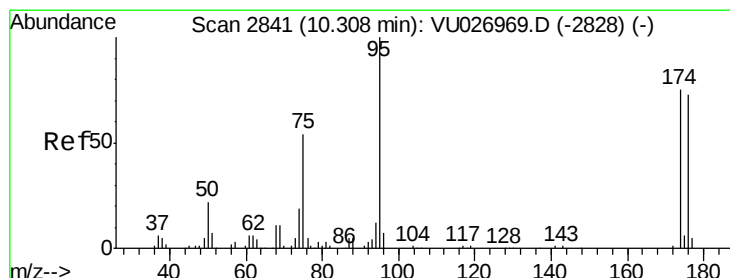
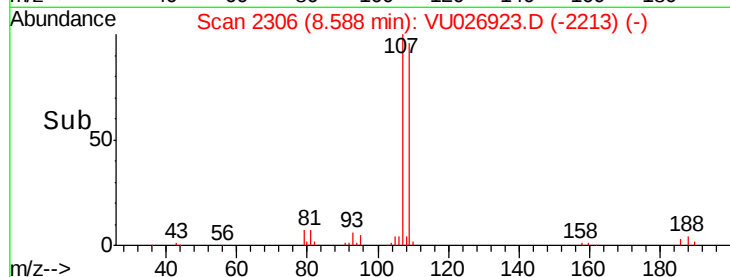
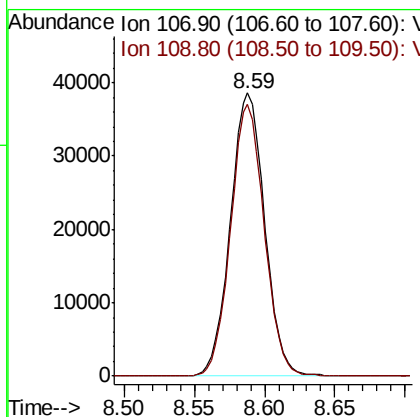
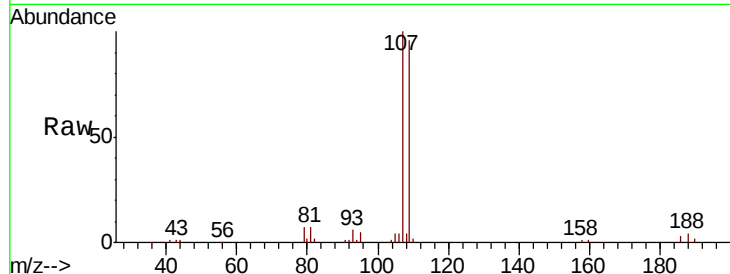
#61
 1,2-Dibromoethane
 Concen: 49.943 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.7	113.5

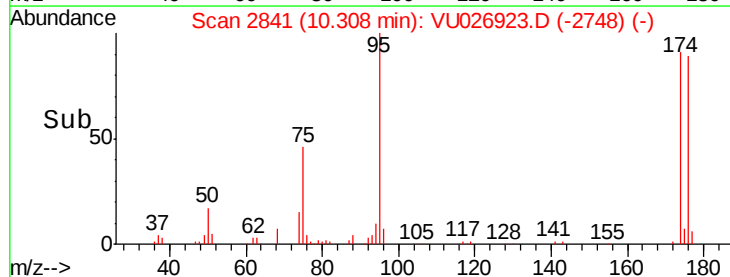
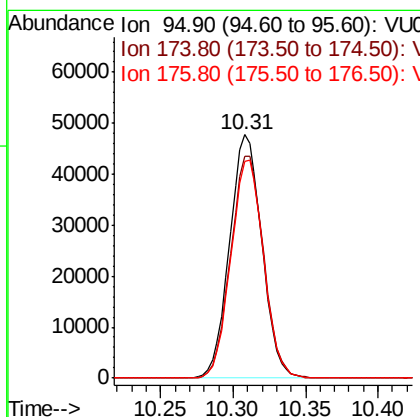
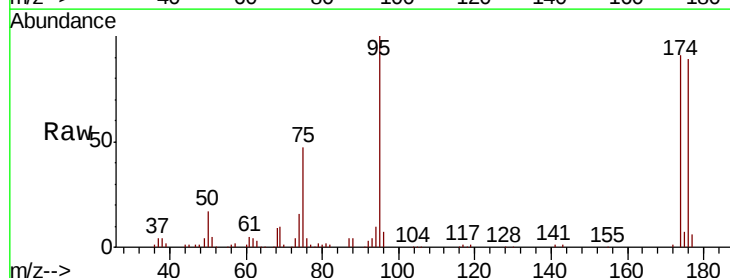
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 49.581 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	172.8
176	90.6	0.0	168.6





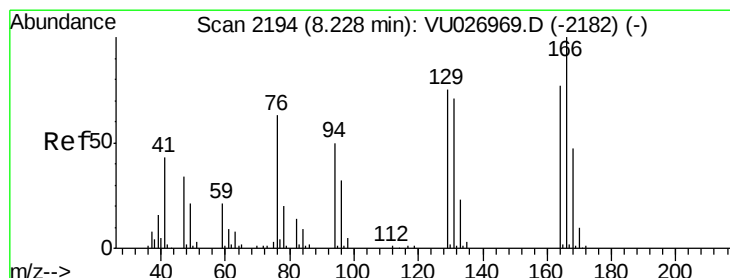
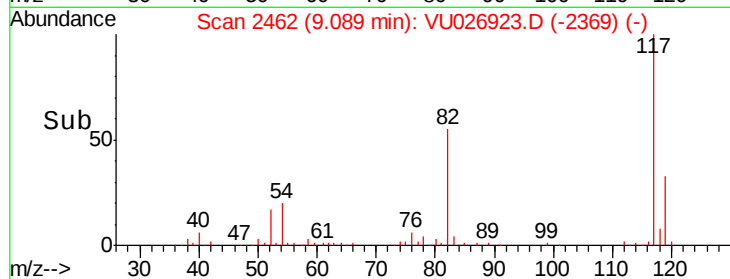
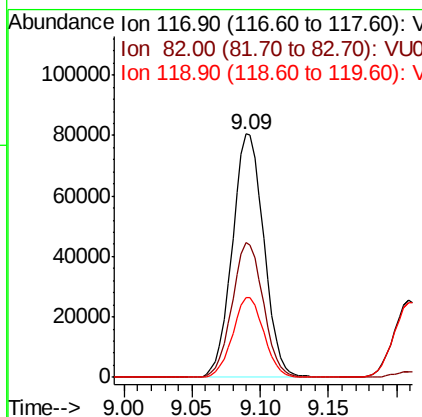
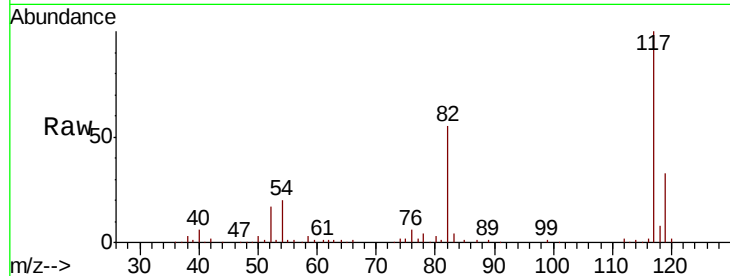
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.1	66.1
119	32.9	25.7	38.5

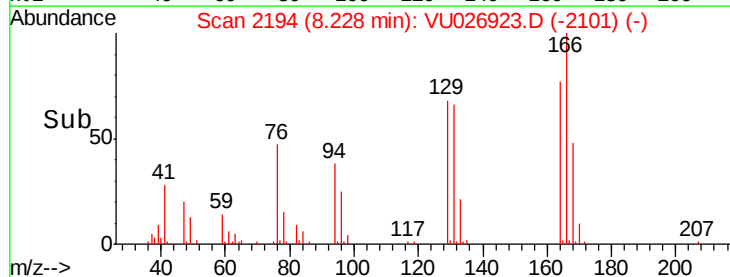
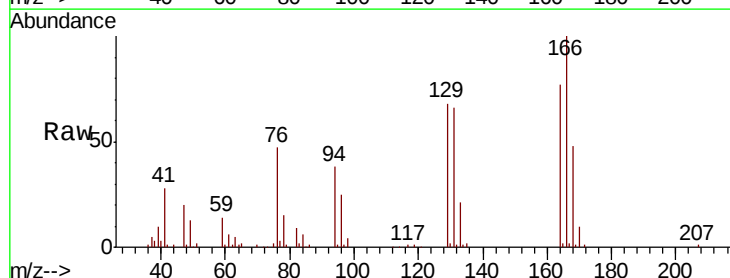
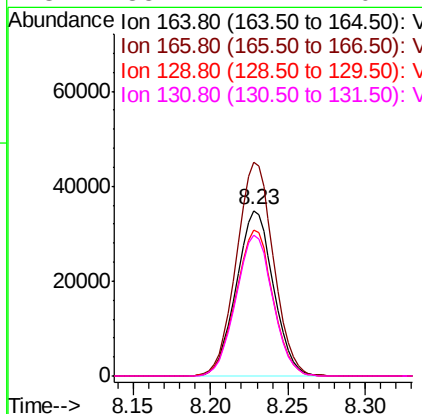
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 56.306 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	100.5	150.7
129	88.0	75.3	112.9
131	85.2	71.4	107.2





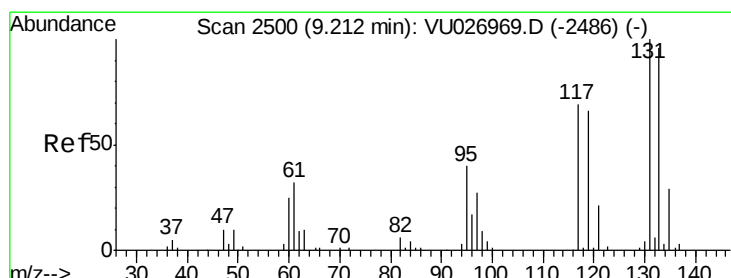
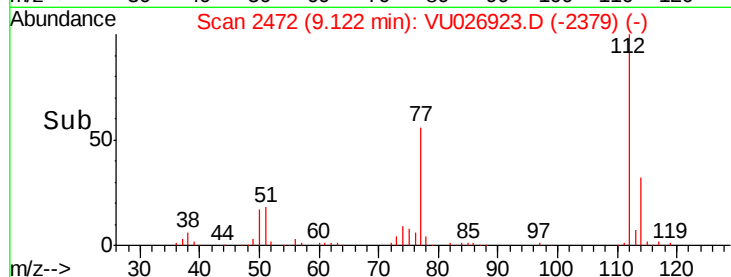
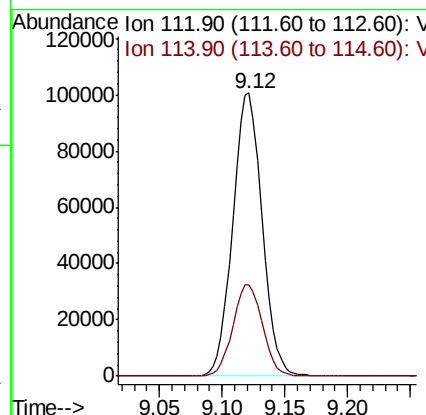
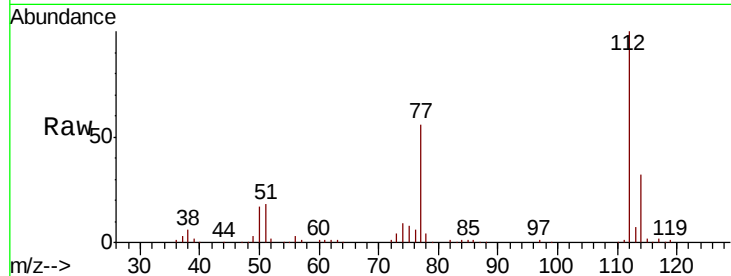
#65
Chlorobenzene
Concen: 51.071 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 164374
Ion Ratio Lower Upper
112 100
114 32.4 25.5 38.3

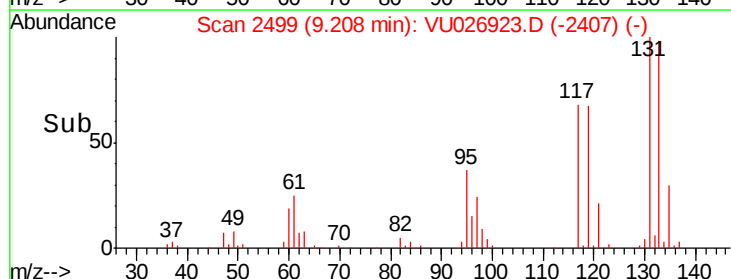
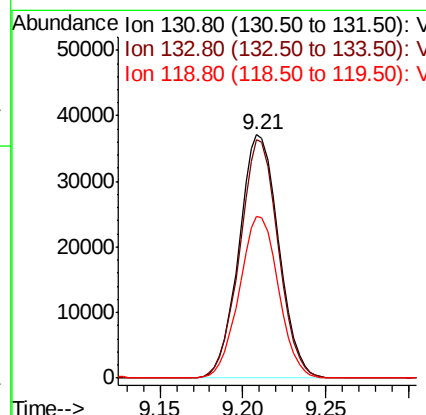
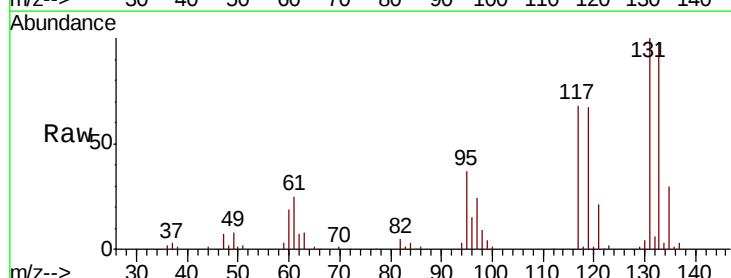
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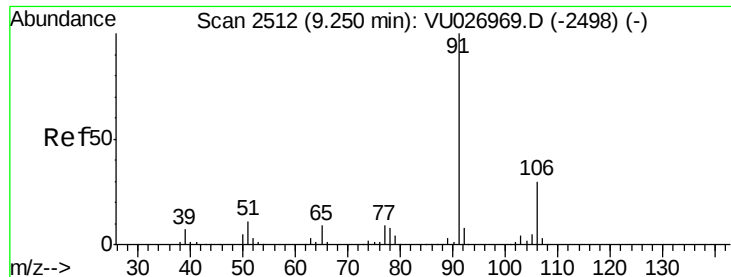
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.095 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion:131 Resp: 61691
Ion Ratio Lower Upper
131 100
133 95.5 48.9 146.6
119 65.8 32.7 98.1





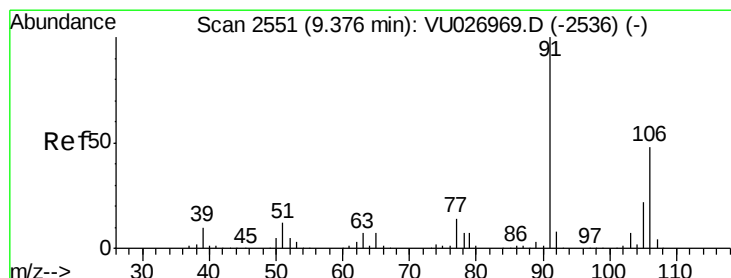
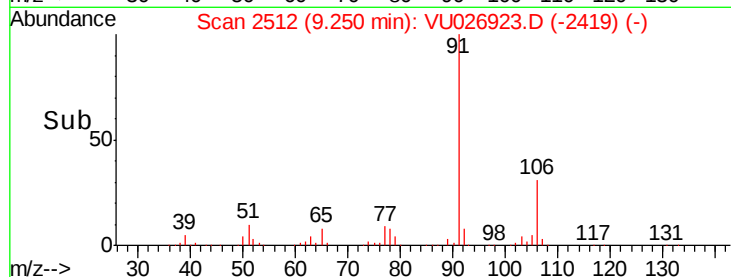
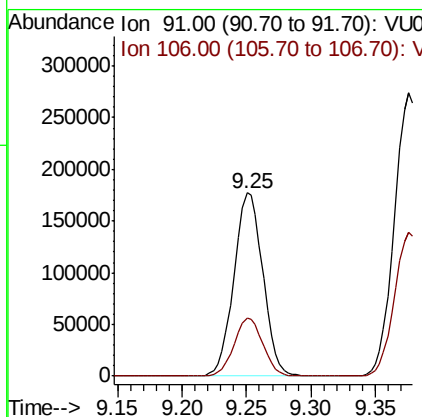
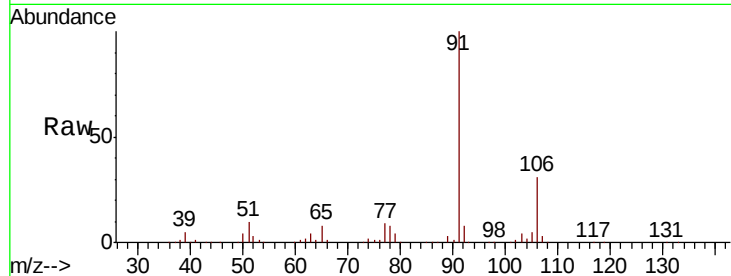
#67
Ethyl Benzene
Concen: 52.304 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 277305
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4

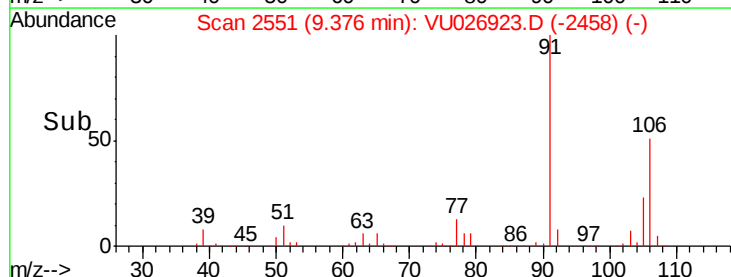
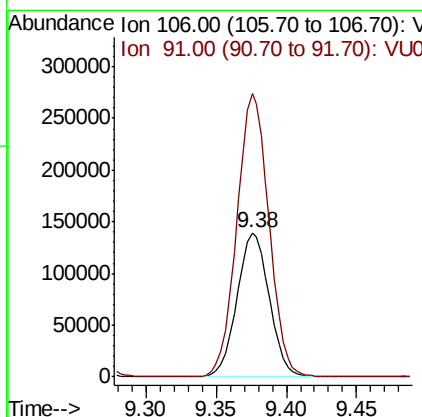
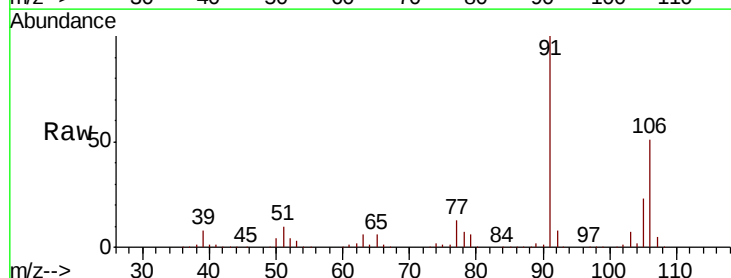
Manual Integrations
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#68
m/p-Xylenes
Concen: 110.886 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion: 106 Resp: 223640
Ion Ratio Lower Upper
106 100
91 195.6 162.1 243.1





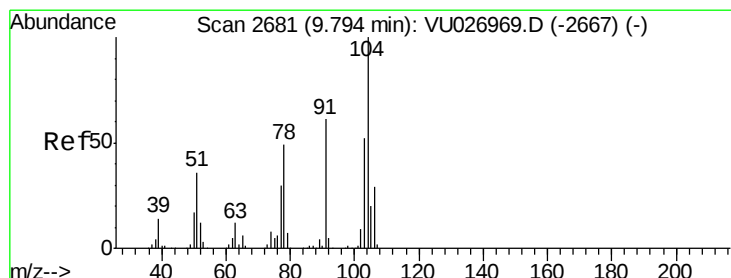
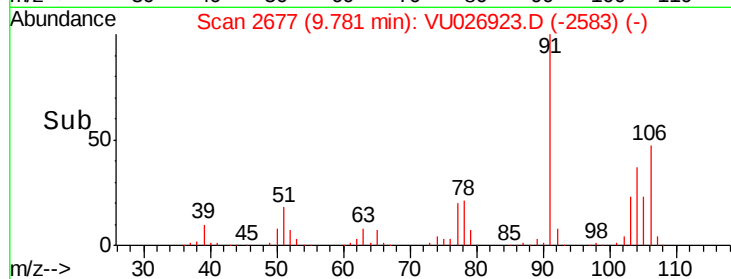
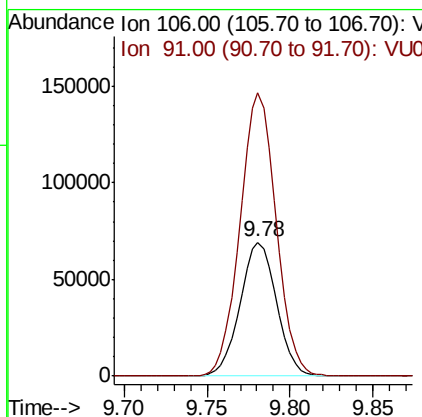
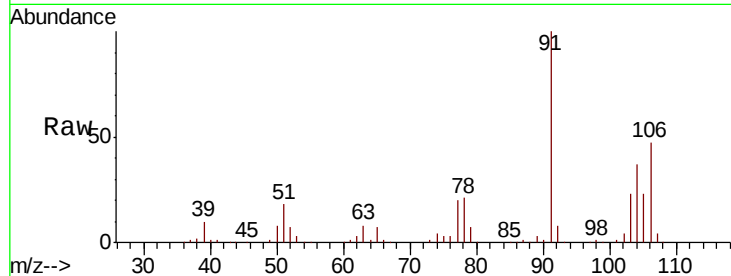
#69
o-Xylene
Concen: 49.149 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.1	106.9	320.8

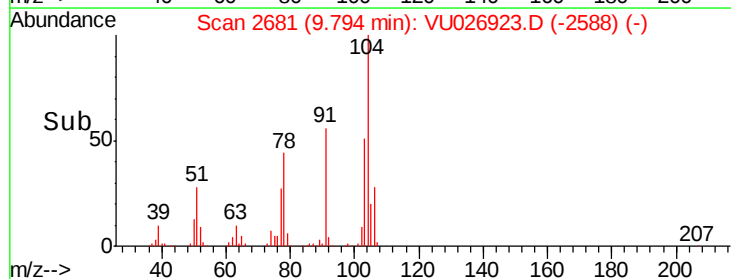
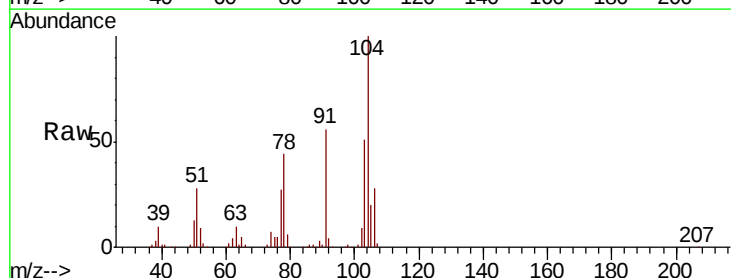
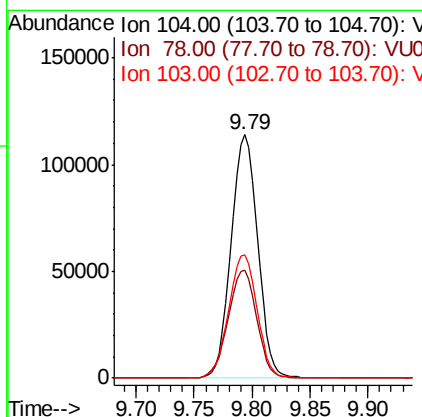
Manual Integrations
APPROVED

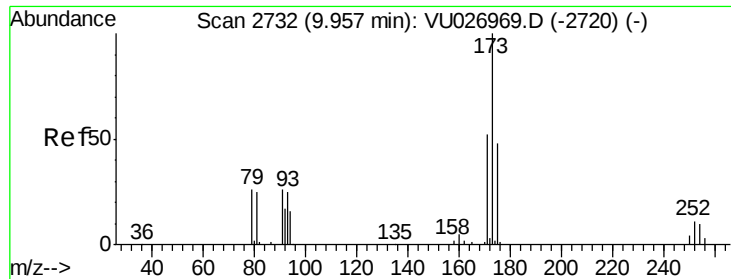
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#70
Styrene
Concen: 49.709 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	39.4	59.2
103	54.4	44.5	66.7





#71

Bromoform

Concen: 52.244 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 53808

Ion Ratio Lower Upper

173 100

175 48.7 24.7 74.1

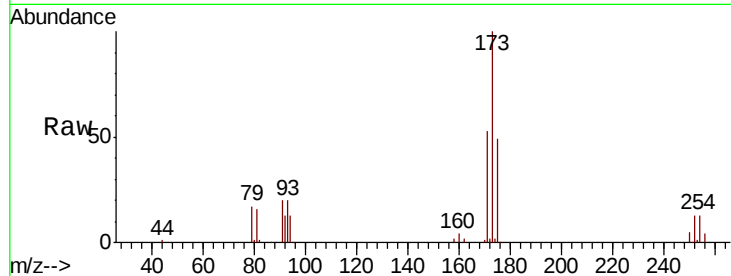
254 0.0 0.0 0.0

Manual Integrations

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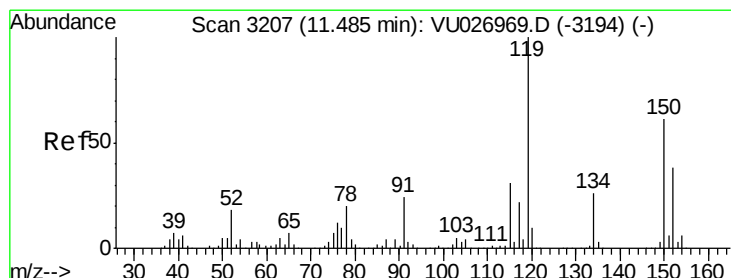
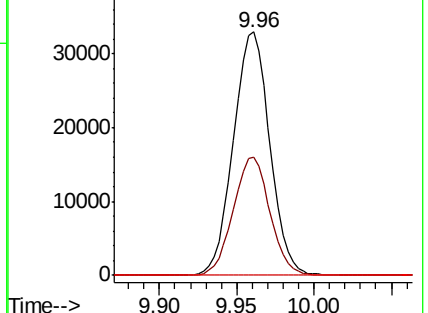
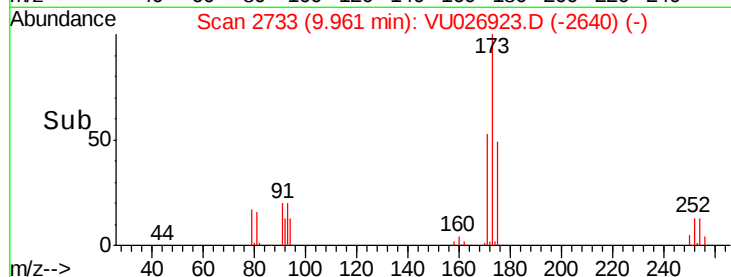
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

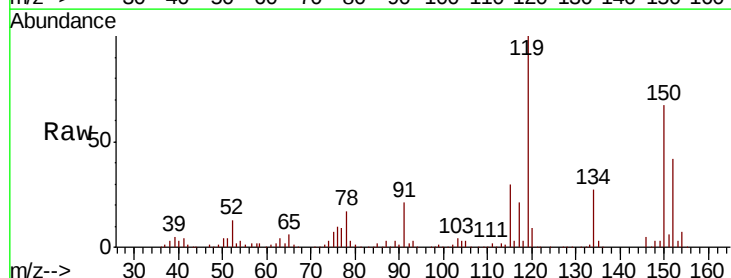
Tgt Ion:152 Resp: 82590

Ion Ratio Lower Upper

152 100

115 76.2 40.4 121.1

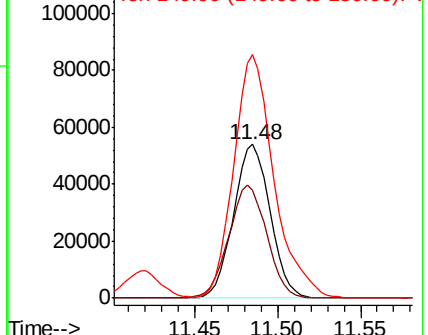
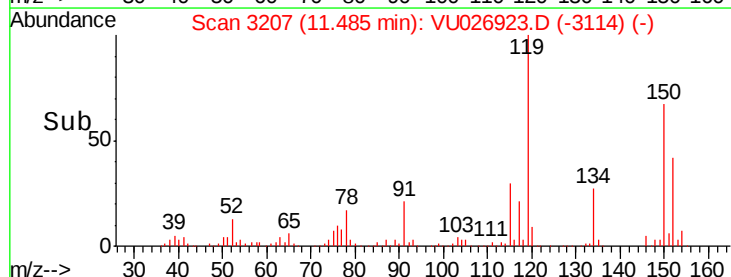
150 174.7 0.0 345.2

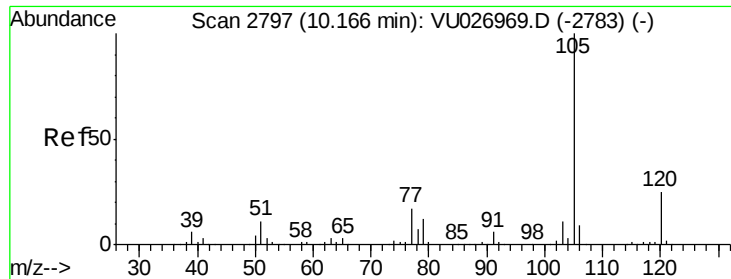


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.896 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 286441

Ion Ratio Lower Upper

105 100

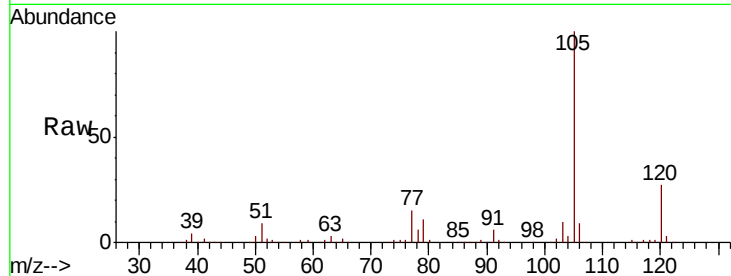
120 26.8 13.3 39.9

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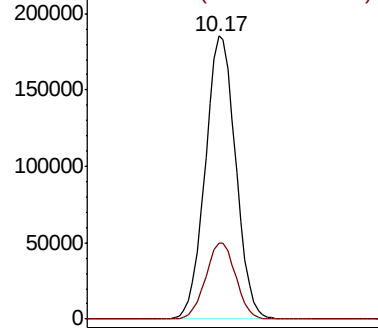
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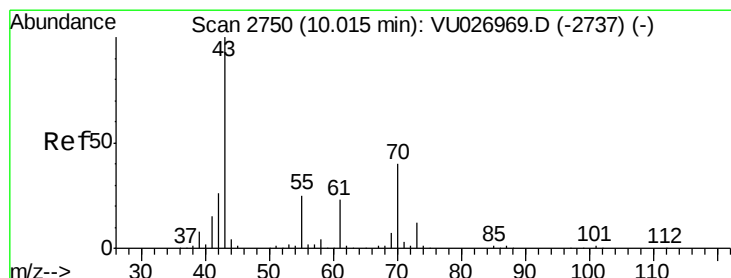
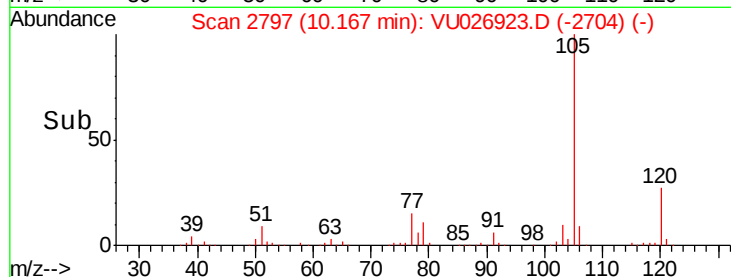


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 44.726 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Tgt Ion: 43 Resp: 118839

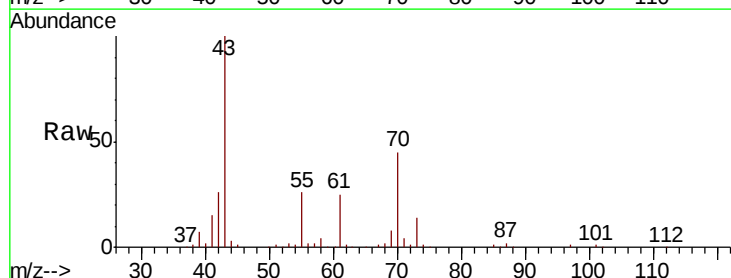
Ion Ratio Lower Upper

43 100

70 44.7 32.6 48.8

55 26.2 19.1 28.7

61 25.4 19.4 29.0

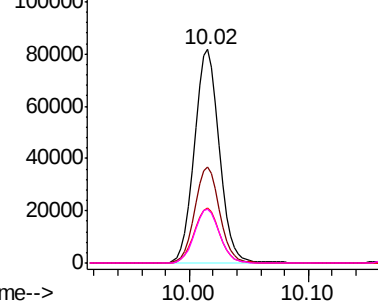


Abundance Ion 43.00 (42.70 to 43.70): VU0

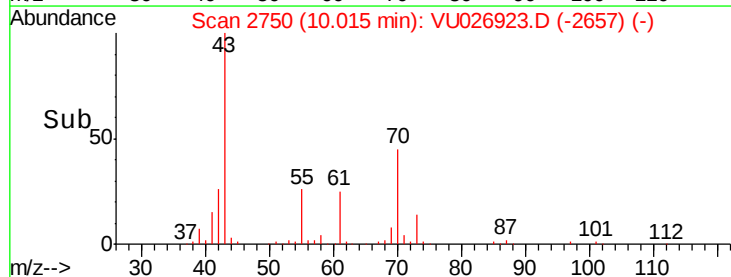
Ion 70.00 (69.70 to 70.70): VU0

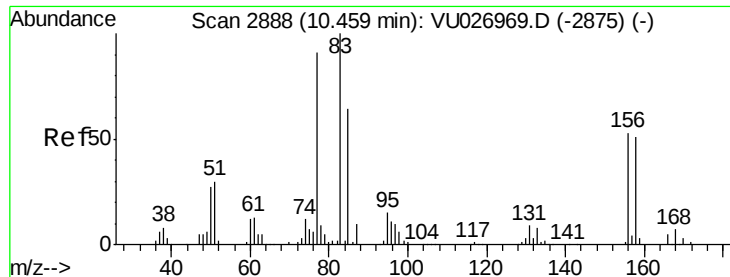
Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 43.805 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

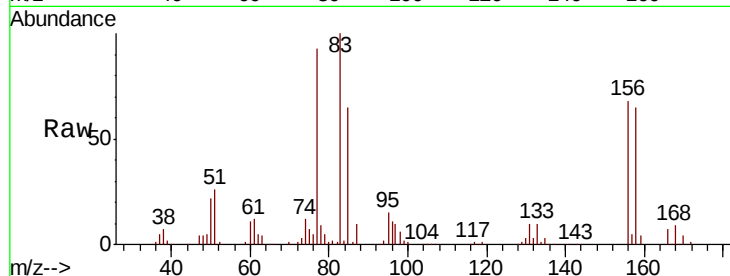
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	100475
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.6
85	64.6	32.3	96.9

Manual Integrations
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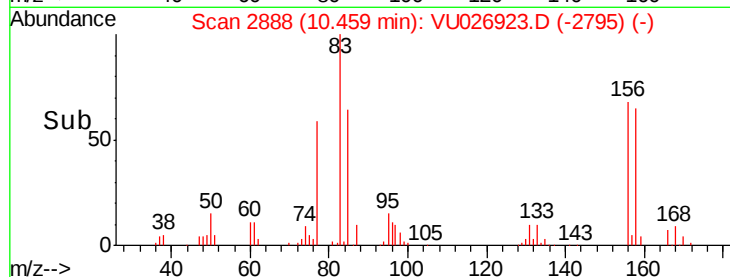


Abundance Ion 82.90 (82.60 to 83.60): VU026923.D (-2875) (-)

Ion 130.80 (130.50 to 131.50): VU026923.D (-2875) (-)

Ion 84.90 (84.60 to 85.60): VU026923.D (-2875) (-)

Time-->



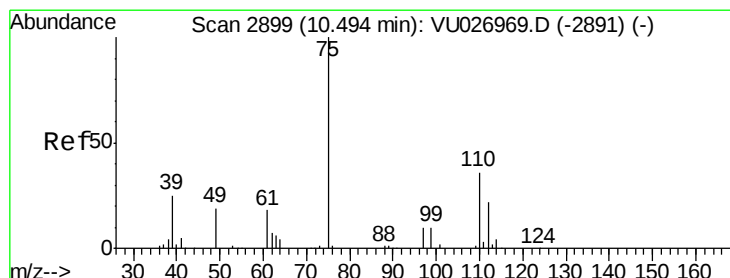
Abundance

Ion 82.90 (82.60 to 83.60): VU026923.D (-2875) (-)

Ion 130.80 (130.50 to 131.50): VU026923.D (-2875) (-)

Ion 84.90 (84.60 to 85.60): VU026923.D (-2875) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 46.676 ug/l m

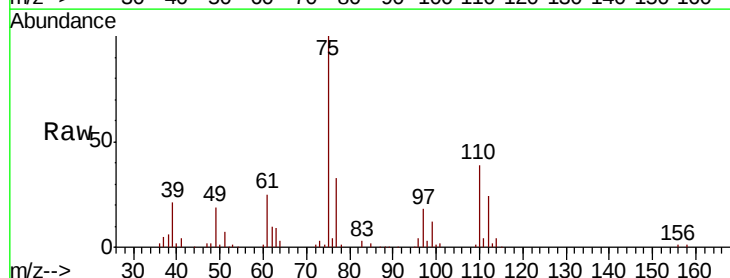
RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

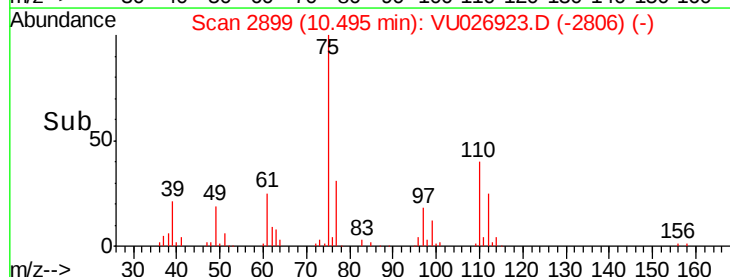
Tgt Ion:	75	Resp:	86353
Ion Ratio	Lower	Upper	
75	100		
77	39.3	21.1	63.1



Abundance Ion 74.90 (74.60 to 75.60): VU026923.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU026923.D (-2806) (-)

Time-->

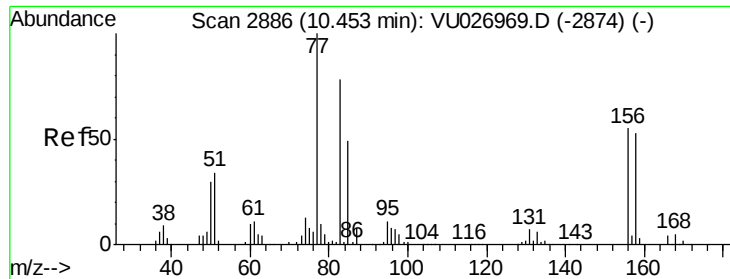


Abundance

Ion 74.90 (74.60 to 75.60): VU026923.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU026923.D (-2806) (-)

Time-->



#77

Bromobenzene

Concen: 50.689 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

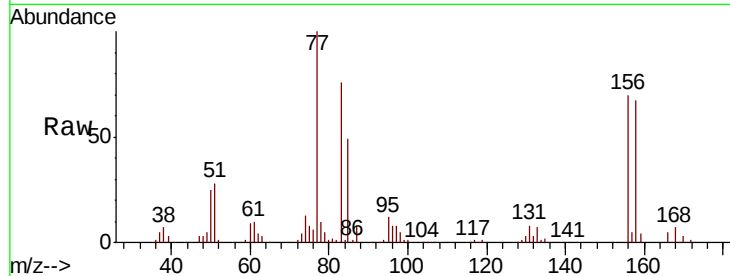
ClientSampleId :

VSTDCCC050EC

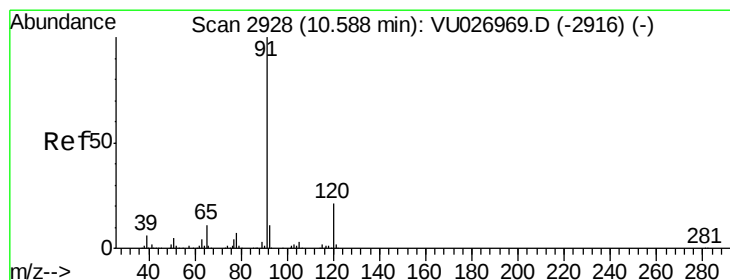
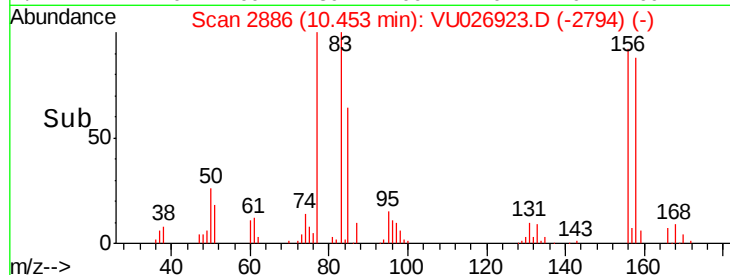
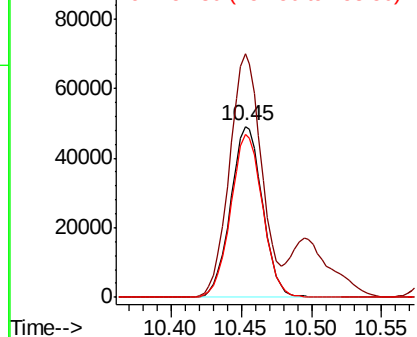
Tot Ion:156 Resp: 77534
 Ion Ratio Lower Upper
 156 100
 77 143.5 77.6 232.9
 158 95.7 48.9 146.6

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Abundance Ion 155.80 (155.50 to 156.50): V
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.133 ug/l

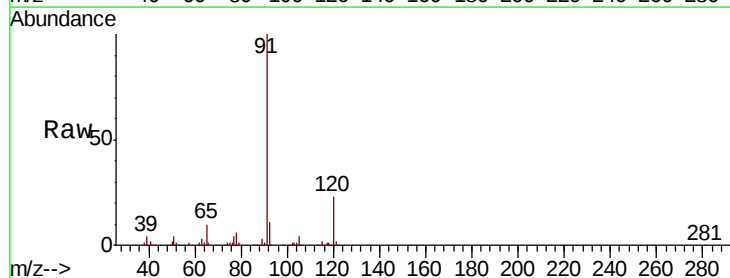
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

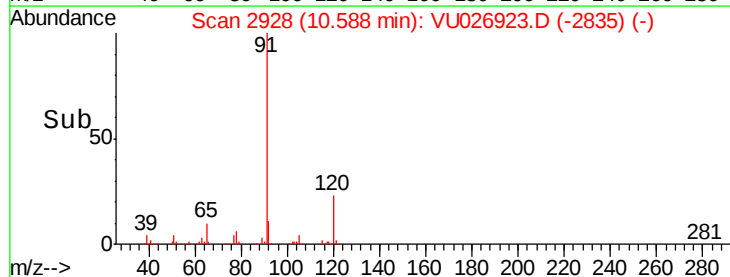
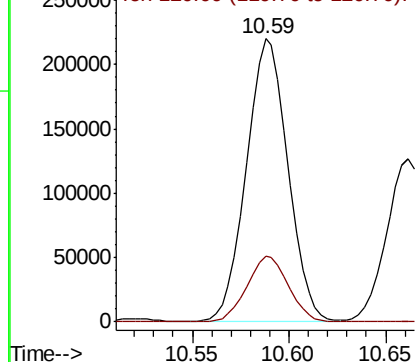
Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Tgt Ion: 91 Resp: 328160
 Ion Ratio Lower Upper
 91 100
 120 23.3 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 120.00 (119.70 to 120.70): V





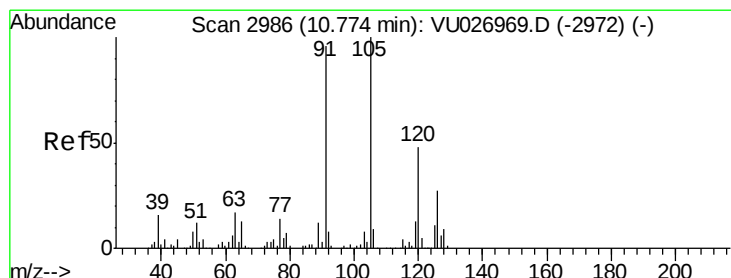
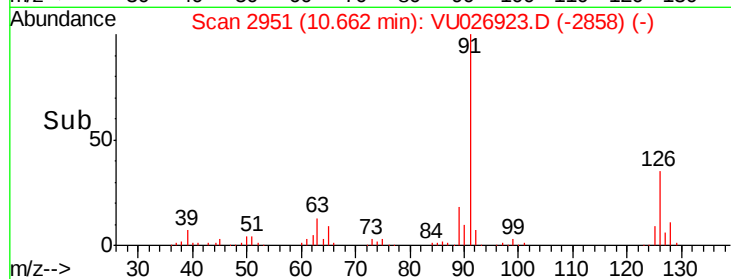
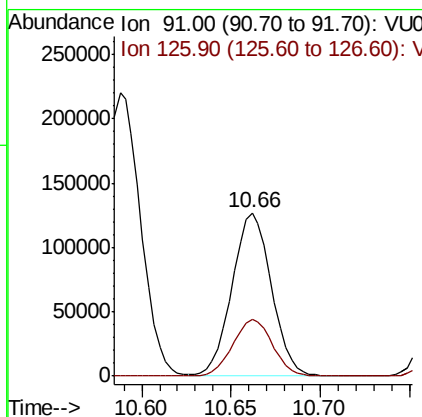
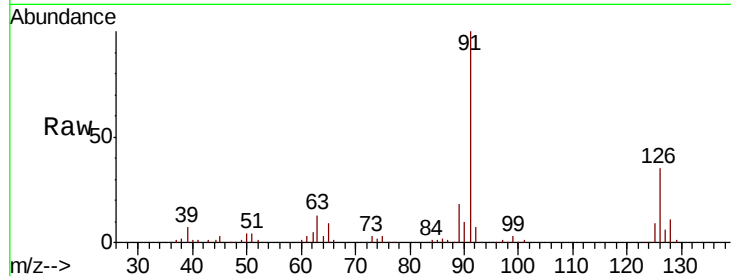
#79
 2-Chlorotoluene
 Concen: 48.052 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 194980
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.3 51.7

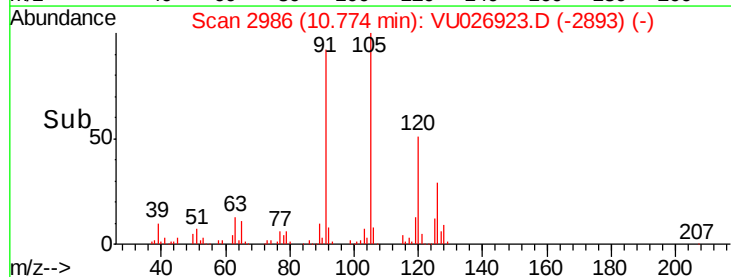
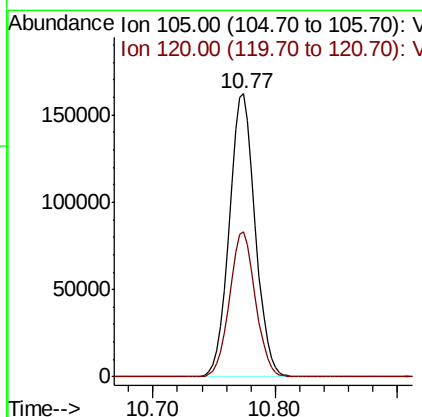
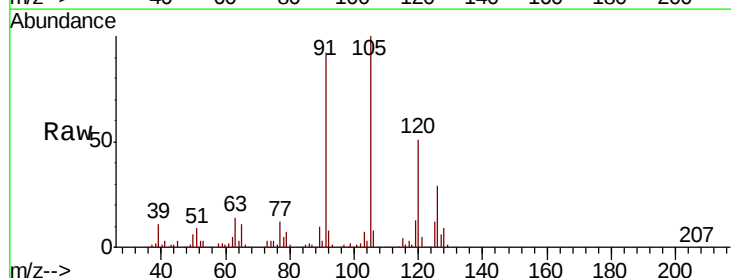
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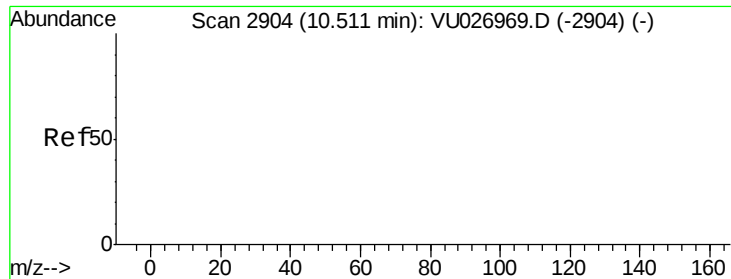
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.770 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Tgt Ion: 105 Resp: 240173
 Ion Ratio Lower Upper
 105 100
 120 51.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 45.948 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

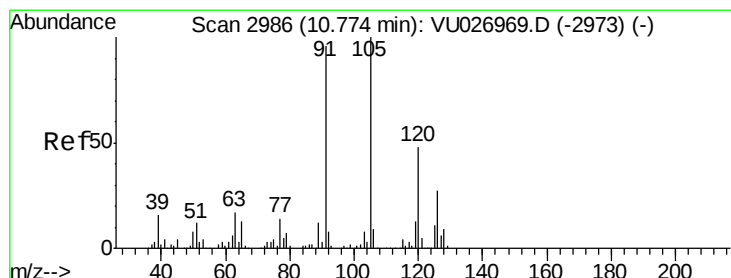
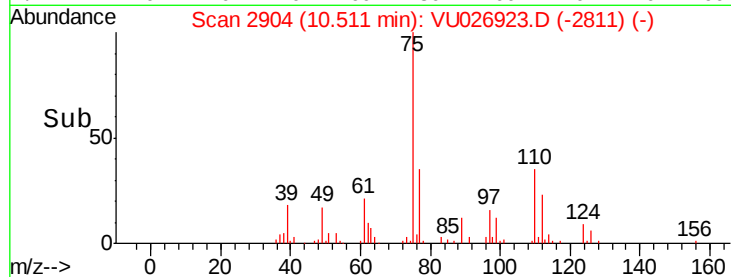
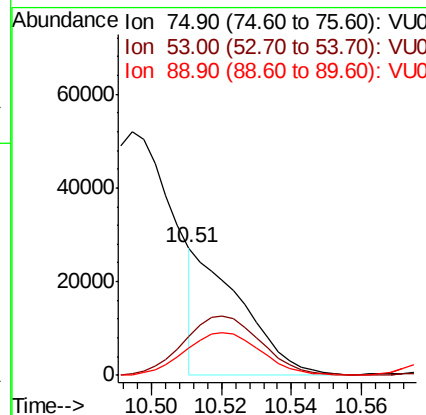
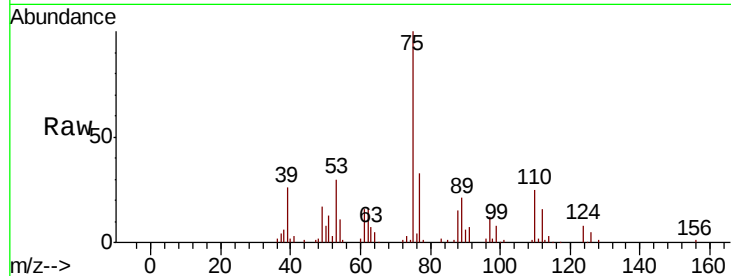
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	25312
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 49.476 ug/l

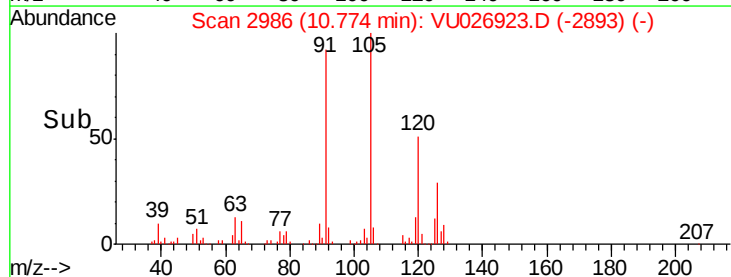
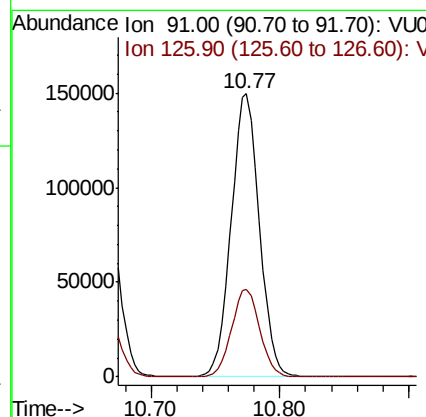
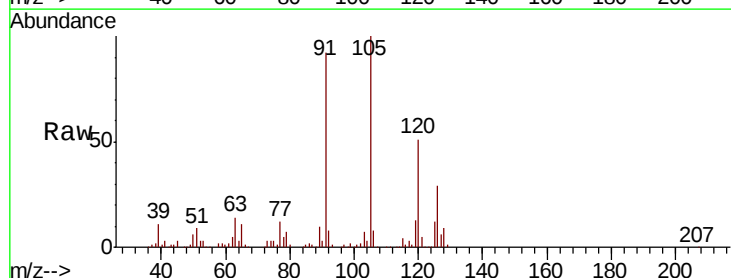
RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Tgt Ion:	91	Resp:	225562
Ion Ratio	Lower	Upper	
91	100		
126	31.3	15.2	45.5





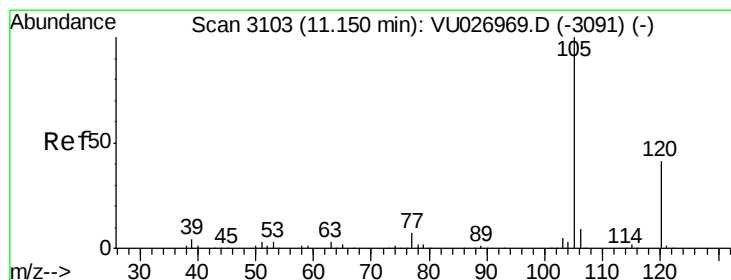
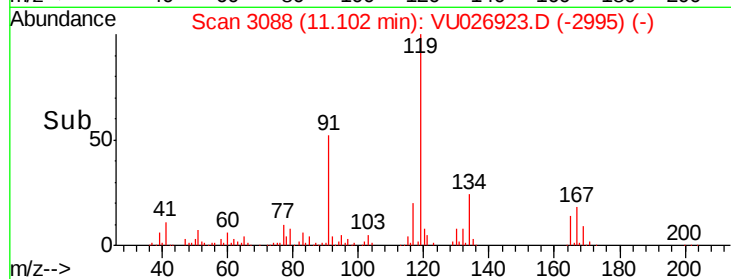
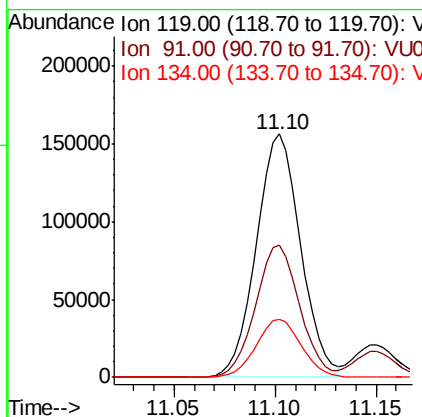
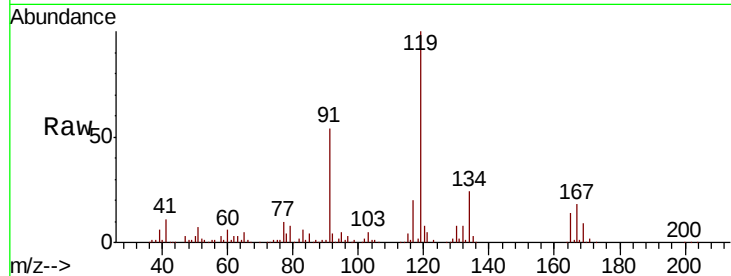
#83
tert-Butylbenzene
Concen: 49.942 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239764		
91	54.4	28.3	85.0	
134	24.2	11.2	33.5	

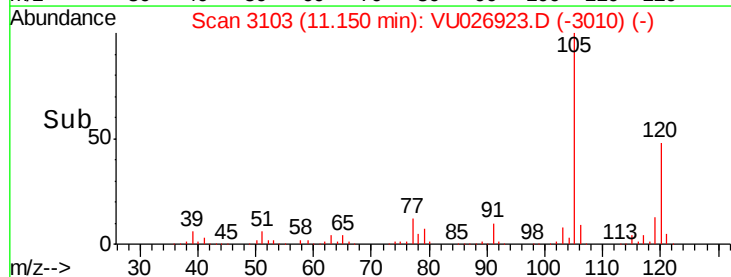
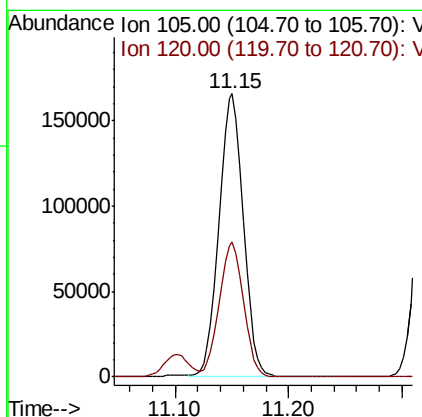
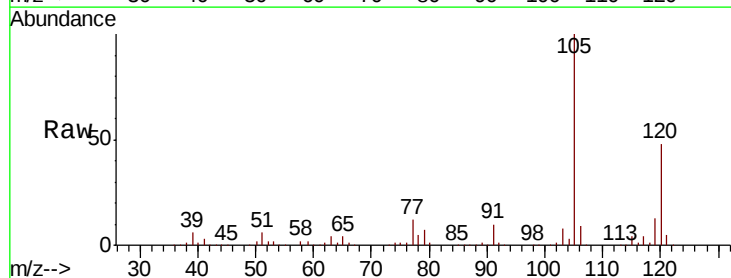
Manual Integrations
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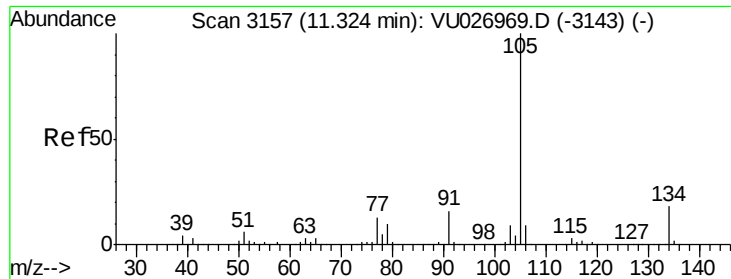
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#84
1,2,4-Trimethylbenzene
Concen: 52.100 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	248588		
120	47.5	23.3	69.8	





#85

sec-Butylbenzene

Concen: 50.870 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 290022

Ion Ratio Lower Upper

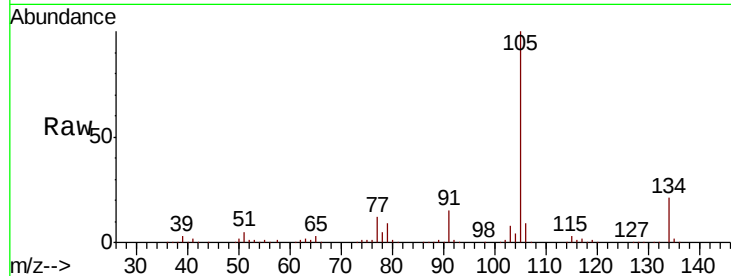
105 100

134 20.7 10.1 30.1

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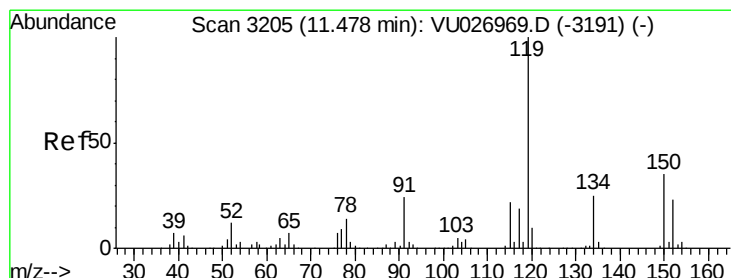
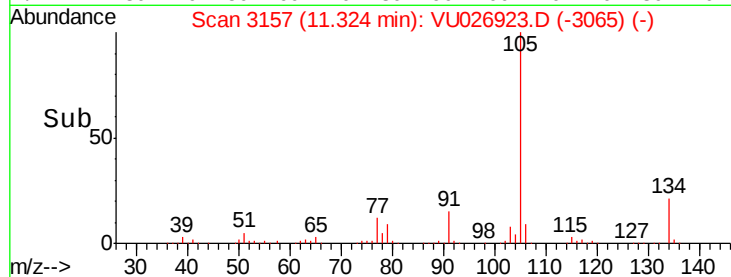
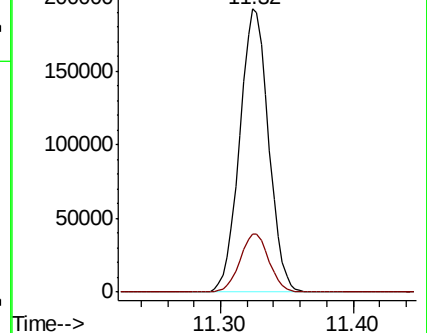
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.881 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU026923.D

Acq: 20 Sep 2018 01:28

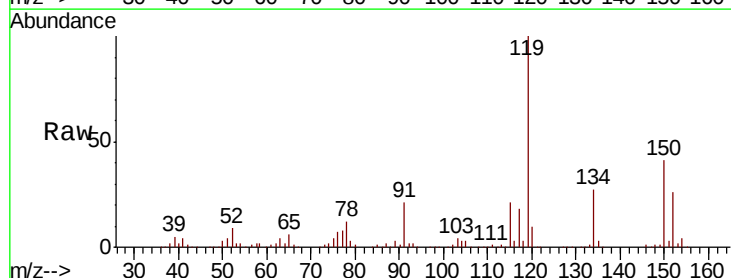
Tgt Ion:119 Resp: 262177

Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

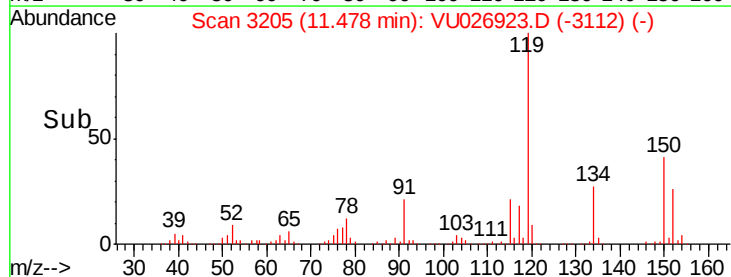
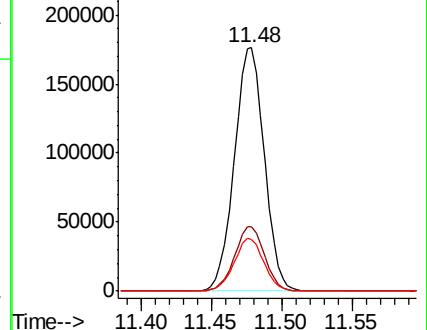
91 21.6 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





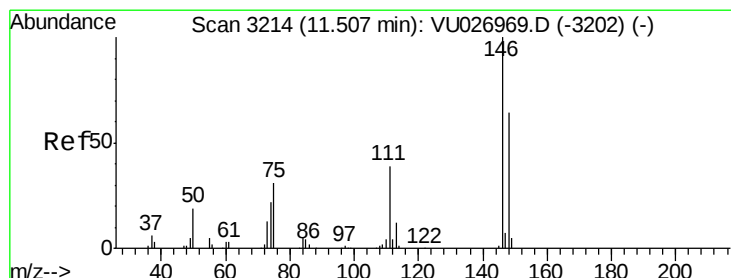
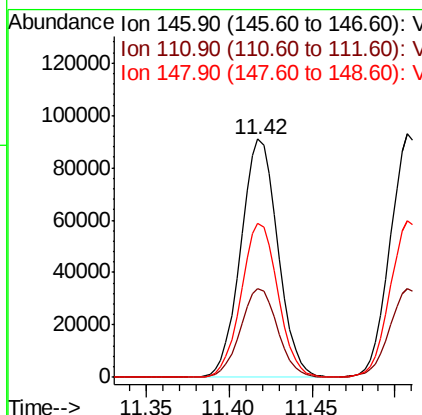
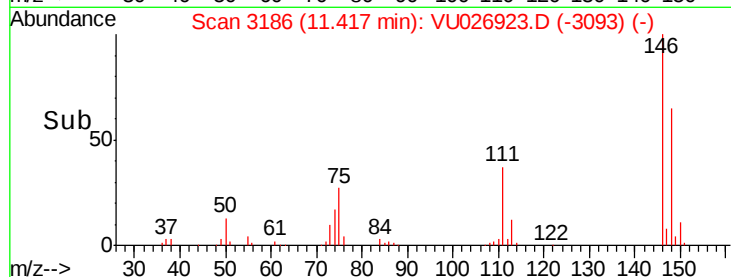
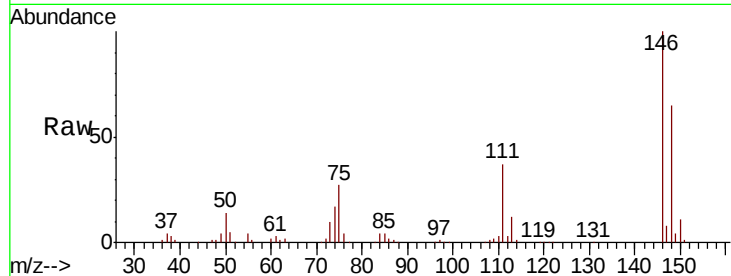
#87
 1,3-Dichlorobenzene
 Concen: 49.505 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.7	59.1
148	64.1	32.1	96.3

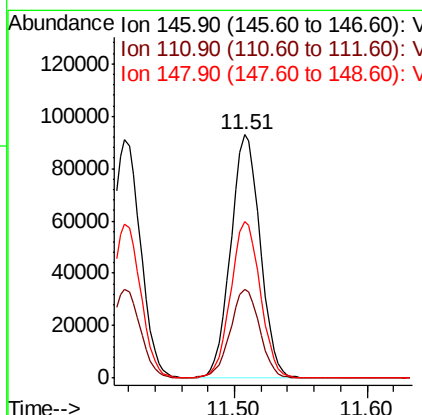
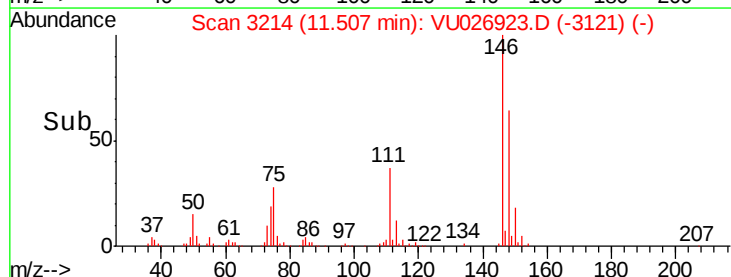
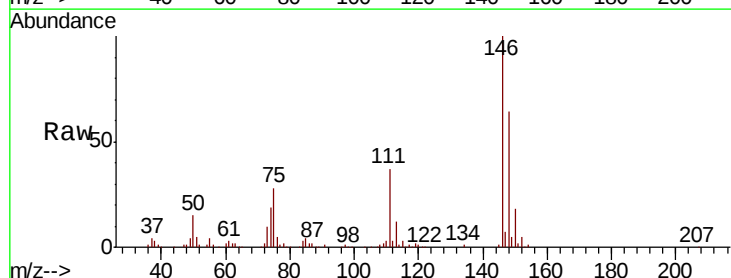
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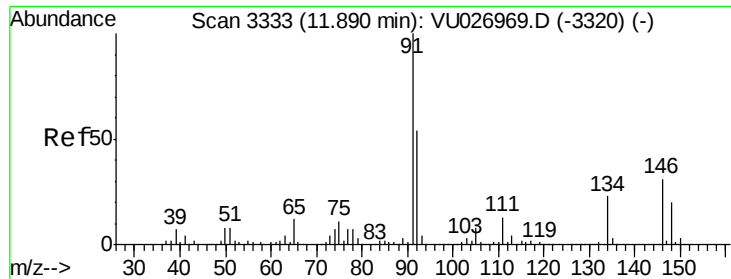
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#88
 1,4-Dichlorobenzene
 Concen: 48.502 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.2	57.6
148	64.6	32.1	96.3





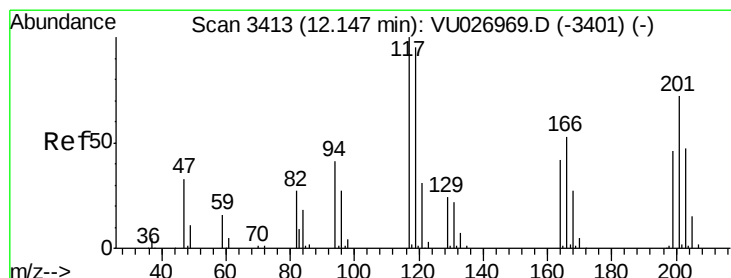
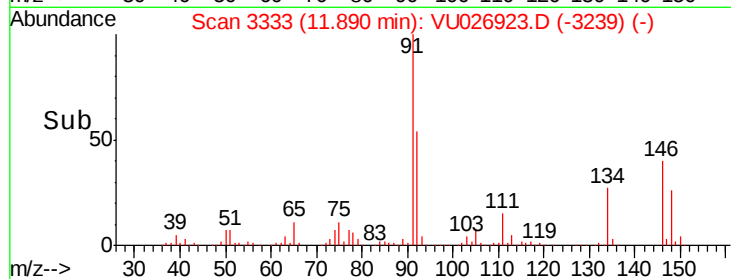
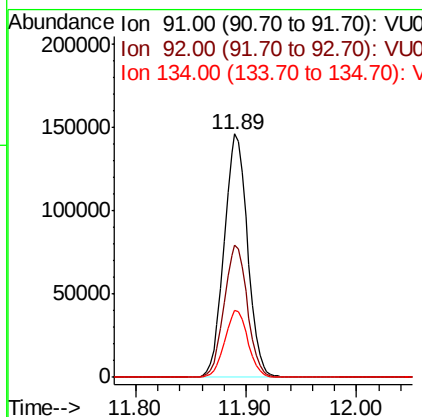
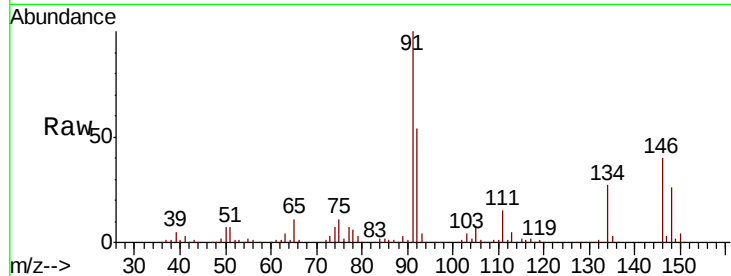
#89
n-Butylbenzene
Concen: 43.094 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	25.8	77.3
134	27.1	12.6	37.8

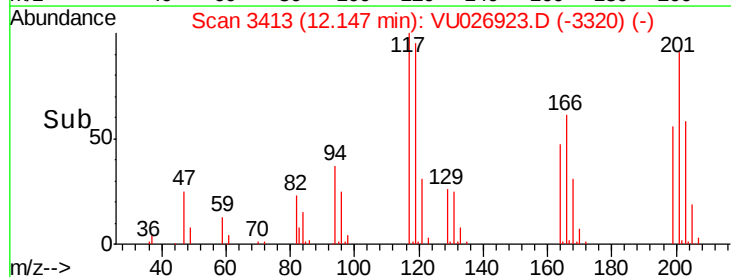
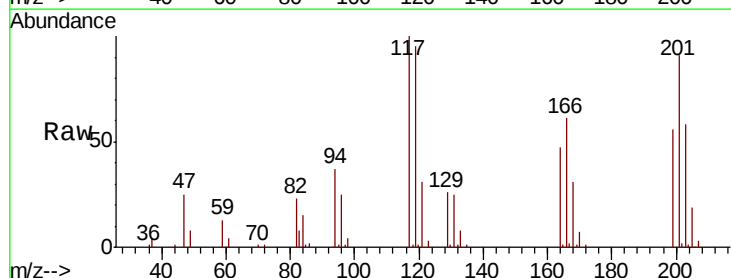
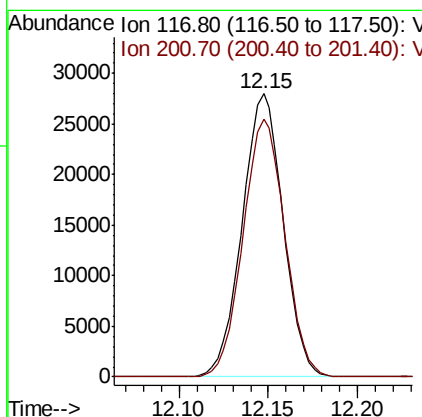
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#90
Hexachloroethane
Concen: 44.754 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.5	42.4	127.1





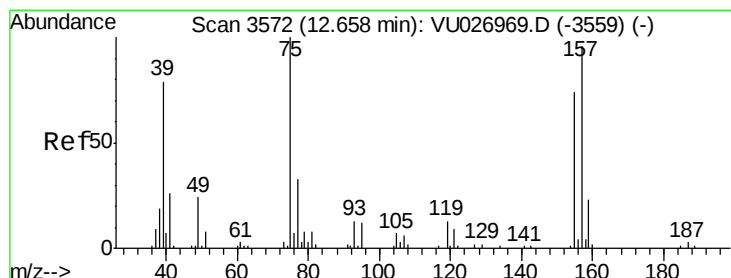
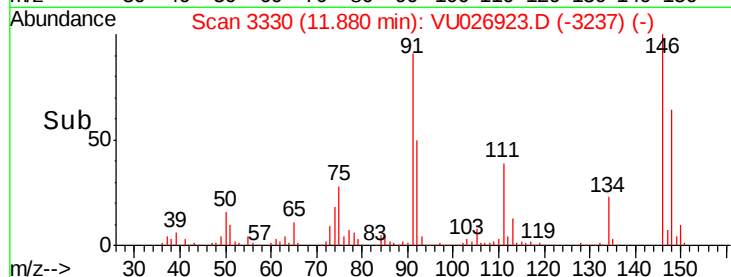
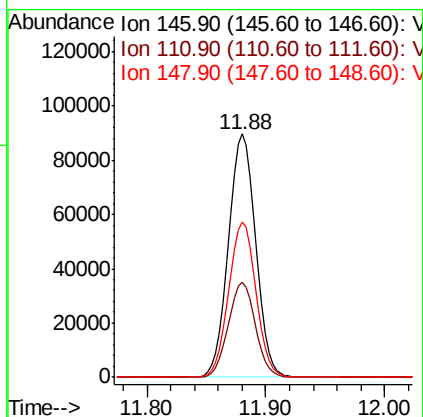
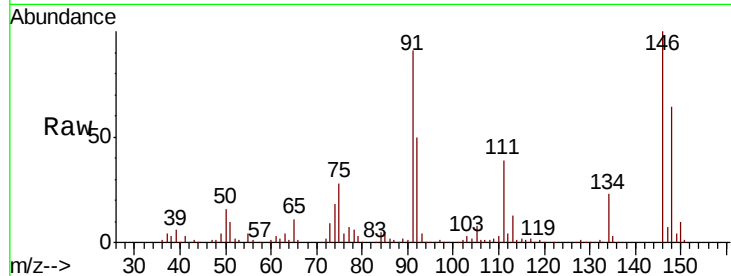
#91
 1,2-Dichlorobenzene
 Concen: 49.674 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.3	60.8
148	63.9	32.1	96.3

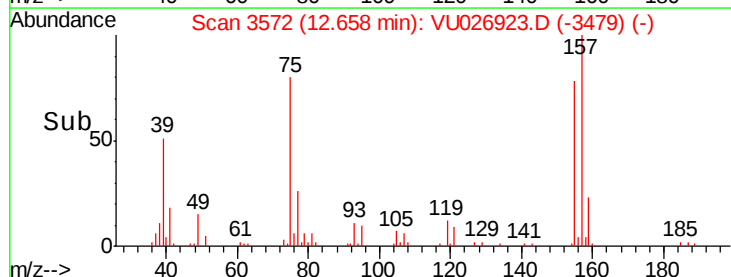
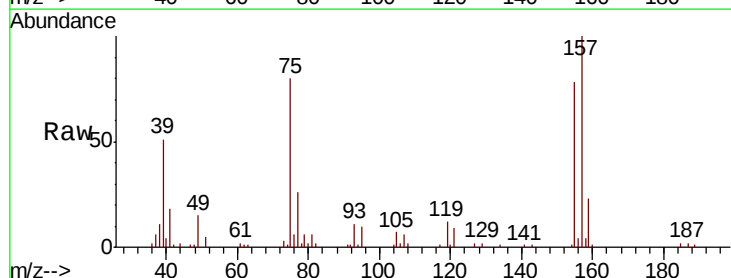
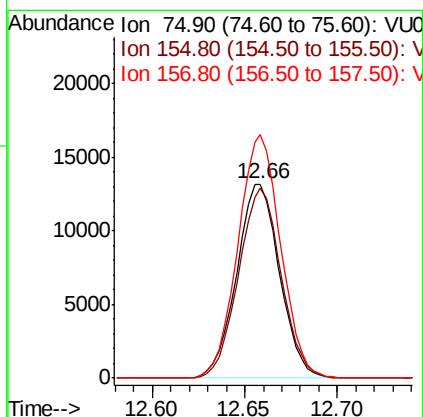
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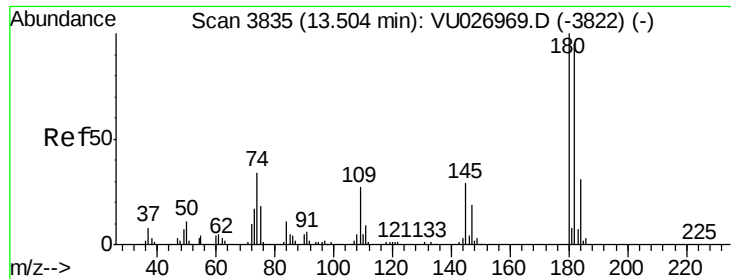
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.932 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	44.1	132.4
157	124.8	57.2	171.6





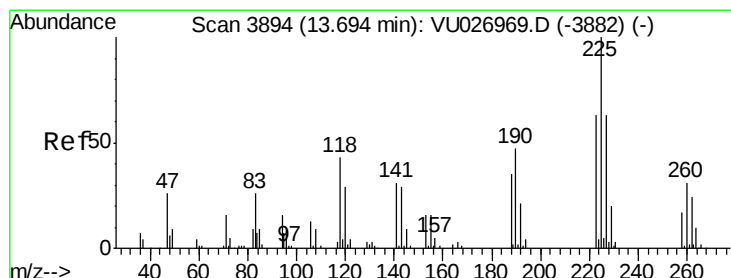
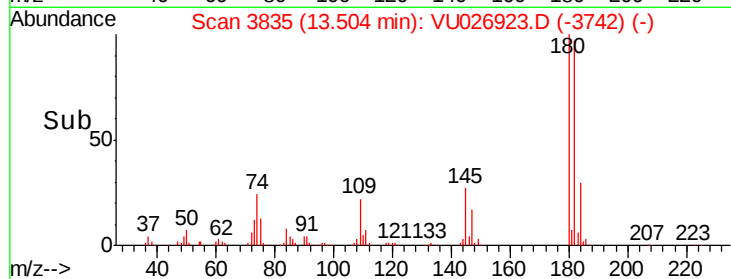
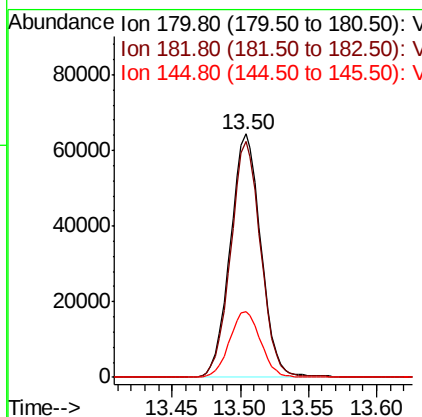
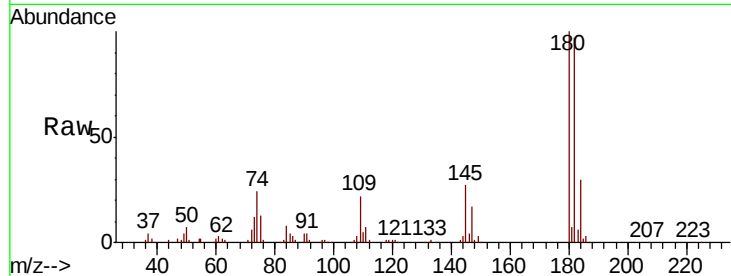
#93
 1,2,4-Trichlorobenzene
 Concen: 52.653 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	47.9	143.7	
145	27.5	14.0	42.0	

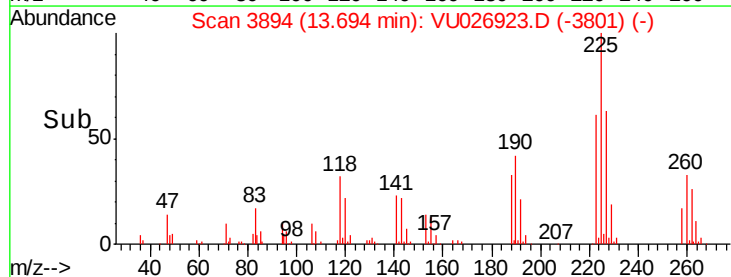
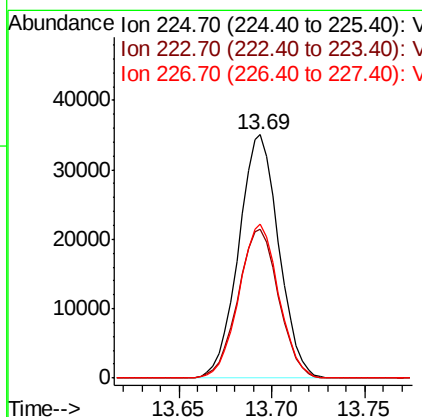
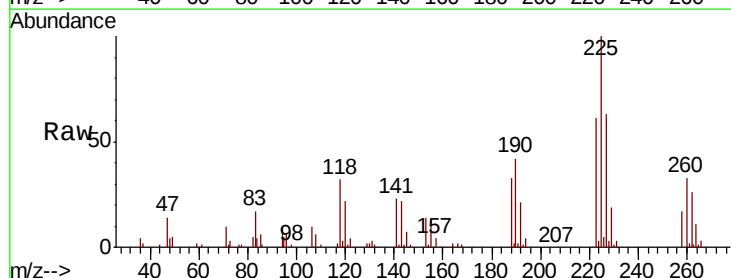
Manual Integrations
 APPROVED

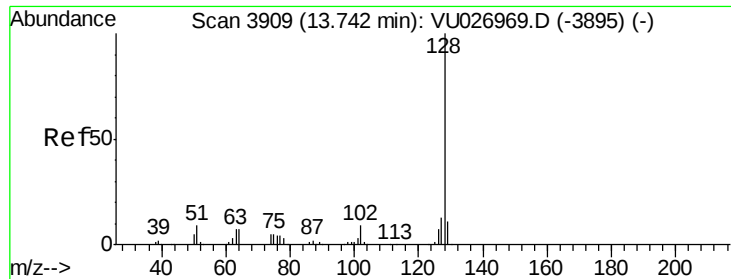
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 53.590 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026923.D
 Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	30.6	92.0	
227	62.6	32.1	96.3	





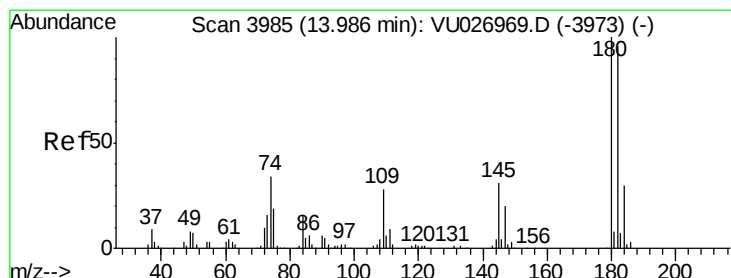
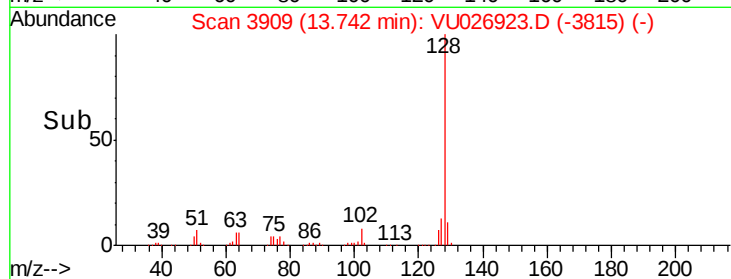
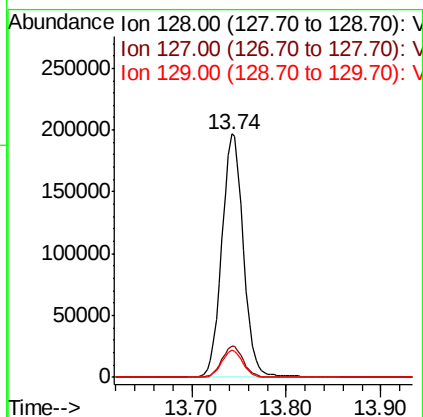
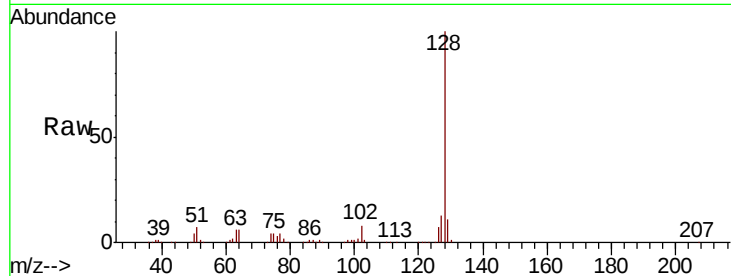
#95
Naphthalene
Concen: 48.574 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 53.256 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU026923.D
Acq: 20 Sep 2018 01:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.7
145	29.3	14.9	44.9

