

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110818\
 Data File : VU028031.D
 Acq On : 08 Nov 2018 17:10
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 3:17:47 PM

Quant Time: Nov 09 09:27:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	189207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	328547	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	310472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	154274	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	135166	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
35) Dibromofluoromethane	4.88	113	101022	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	7.57	98	385841	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	10.31	95	148852	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	93634	38.946	ug/l	97
3) Chloromethane	1.33	50	124420	42.790	ug/l	99
4) Vinyl Chloride	1.40	62	128391	44.489	ug/l	99
5) Bromomethane	1.62	94	58014	48.978	ug/l	98
6) Chloroethane	1.69	64	78034	46.922	ug/l	98
7) Trichlorofluoromethane	1.89	101	156637	46.970	ug/l	95
8) Diethyl Ether	2.11	74	70057	49.063	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	99363	50.157	ug/l	99
10) Methyl Iodide	2.41	142	83758	46.651	ug/l	98
11) Tert butyl alcohol	2.83	59	176445	236.933	ug/l	99
12) 1,1-Dichloroethene	2.29	96	91183	45.983	ug/l	97
13) Acrolein	2.20	56	33812	119.896	ug/l	98
14) Allyl chloride	2.59	41	219540	45.299	ug/l	98
15) Acrylonitrile	2.94	53	455810	249.172	ug/l	99
16) Acetone	2.32	43	429482	246.077	ug/l	99
17) Carbon Disulfide	2.48	76	254750	39.304	ug/l	99
18) Methyl Acetate	2.62	43	241270	50.253	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	395704	49.483	ug/l	99
20) Methylene Chloride	2.70	84	121641	47.735	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	100672	43.991	ug/l	97
22) Diisopropyl ether	3.58	45	494081	49.380	ug/l	99
23) Vinyl Acetate	3.53	43	2116965	246.180	ug/l	100
24) 1,1-Dichloroethane	3.45	63	237586	47.671	ug/l	99
25) 2-Butanone	4.26	43	688937	248.120	ug/l	98
26) 2,2-Dichloropropane	4.23	77	184776	49.403	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	126269	49.204	ug/l	99
28) Bromochloromethane	4.55	49	118309	50.636	ug/l	100
29) Tetrahydrofuran	4.64	42	436289	235.315	ug/l	99
30) Chloroform	4.67	83	219402	48.012	ug/l	99
31) Cyclohexane	5.00	56	218538	44.498	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	175438	48.229	ug/l	98
36) 1,1-Dichloropropene	5.14	75	158418	46.039	ug/l	100
37) Ethyl Acetate	4.38	43	240734	47.747	ug/l	99
38) Carbon Tetrachloride	5.14	117	142815	46.833	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	193536	46.633	ug/l	98
40) Benzene	5.39	78	501425	47.662	ug/l	98
41) Methacrylonitrile	4.54	41	136952	50.899	ug/l	98
42) 1,2-Dichloroethane	5.40	62	177710	47.522	ug/l	99
43) Isopropyl Acetate	5.55	43	389302	49.285	ug/l	100
44) Trichloroethene	6.19	130	108834	48.127	ug/l	99
45) 1,2-Dichloropropane	6.43	63	150252	49.522	ug/l	100
46) Dibromomethane	6.56	93	85992	49.308	ug/l	97
47) Bromodichloromethane	6.76	83	171040	50.892	ug/l	100
48) Methyl methacrylate	6.62	41	195074	50.396	ug/l	99
49) 1,4-Dioxane	6.61	88	65417	1035.846	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	1300168	246.467	ug/l	100
52) Toluene	7.64	92	296005	47.859	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	199599	47.938	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	214109	51.678	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	125696	49.953	ug/l	97
56) Ethyl methacrylate	8.02	69	228932	51.591	ug/l	99
57) 1,3-Dichloropropane	8.24	76	231087	50.415	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	602246	253.408	ug/l	99
59) 2-Hexanone	8.36	43	1018278	249.576	ug/l	99
60) Dibromochloromethane	8.48	129	123947	52.054	ug/l	99
61) 1,2-Dibromoethane	8.59	107	132643	49.610	ug/l	98
64) Tetrachloroethene	8.23	164	89290	44.353	ug/l	98
65) Chlorobenzene	9.12	112	317662	48.428	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	111090	49.583	ug/l	100
67) Ethyl Benzene	9.25	91	585823	48.520	ug/l	99
68) m/p-Xylenes	9.38	106	427625	97.612	ug/l	99
69) o-Xylene	9.78	106	211664	47.847	ug/l	99
70) Styrene	9.79	104	350132	49.535	ug/l	100
71) Bromoform	9.96	173	95521	50.872	ug/l #	98
73) Isopropylbenzene	10.17	105	576521	48.239	ug/l	100
74) N-amyl acetate	10.01	43	353269	48.883	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	231600	48.041	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	232714m	55.148	ug/l	
77) Bromobenzene	10.45	156	134032	48.908	ug/l	99
78) n-propylbenzene	10.59	91	701404	49.029	ug/l	100
79) 2-Chlorotoluene	10.66	91	404359	47.156	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	480462	48.529	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	90678m	53.633	ug/l	
82) 4-Chlorotoluene	10.77	91	468143	48.089	ug/l	99
83) tert-Butylbenzene	11.10	119	473920	47.882	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	496068	49.759	ug/l	98
85) sec-Butylbenzene	11.32	105	595377	49.462	ug/l	100
86) p-Isopropyltoluene	11.48	119	498418	49.531	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	243480	48.095	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	245362	47.287	ug/l	100
89) n-Butylbenzene	11.89	91	487809	51.008	ug/l	99
90) Hexachloroethane	12.15	117	88429	49.359	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	248950	48.900	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	50943	50.150	ug/l	99

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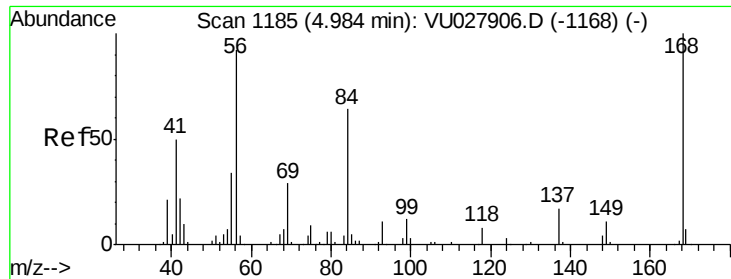
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	169431	47.490	ug/l	99
94) Hexachlorobutadiene	13.69	225	80892	49.994	ug/l	98
95) Naphthalene	13.74	128	614940	48.589	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	172396	50.465	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 189207

Ion Ratio Lower Upper

168 100

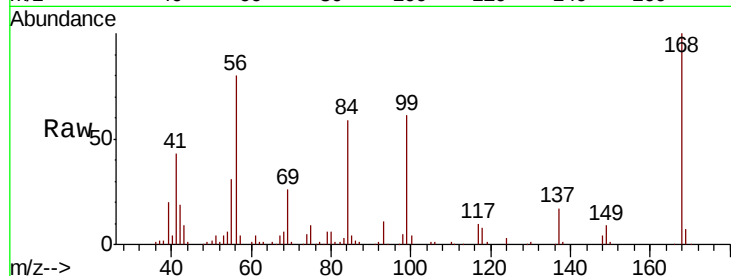
99 60.4 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028031.D (-1092) (-)

80000

60000

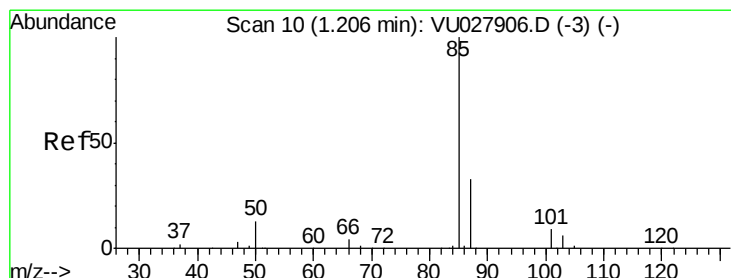
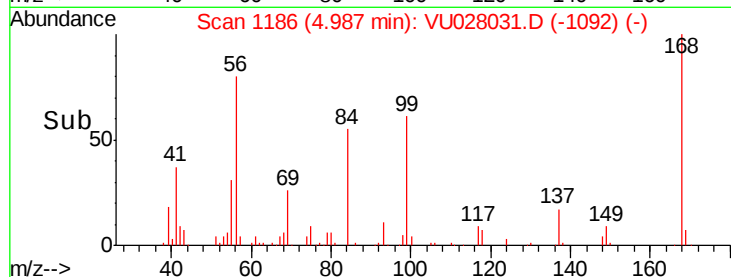
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 38.946 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028031.D

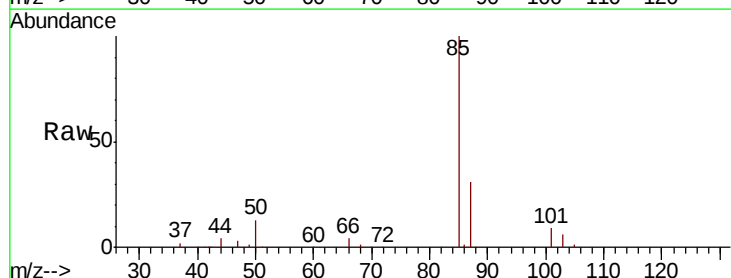
Acq: 08 Nov 2018 17:10

Tgt Ion: 85 Resp: 93634

Ion Ratio Lower Upper

85 100

87 31.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028031.D (-1) (-)

100000

80000

60000

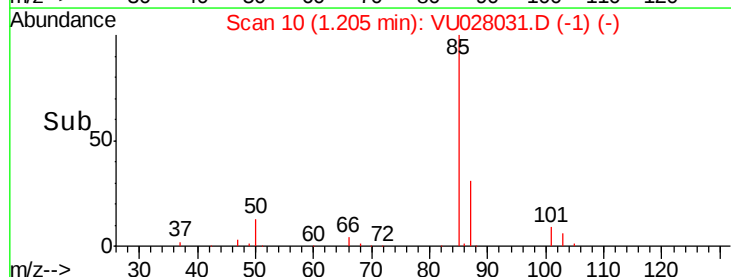
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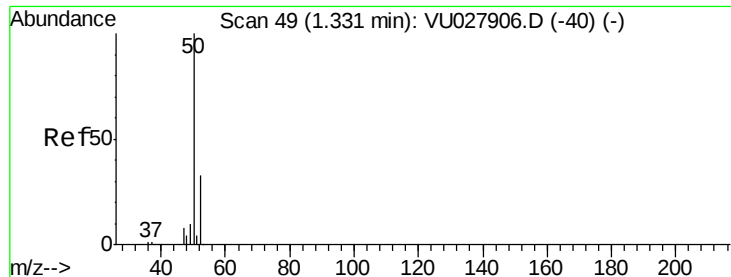
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 42.790 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 124420

Ion Ratio Lower Upper

50 100

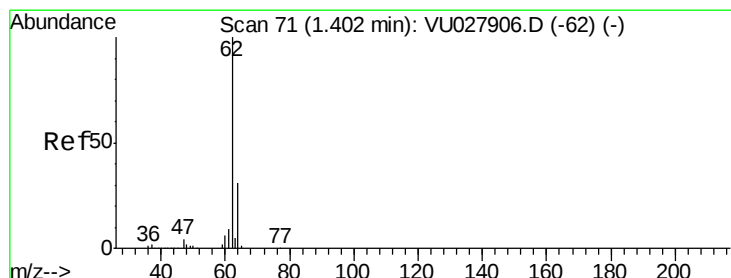
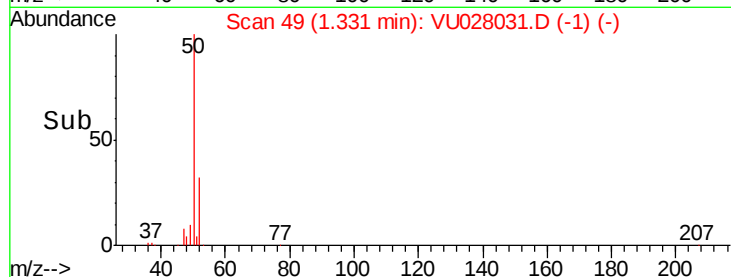
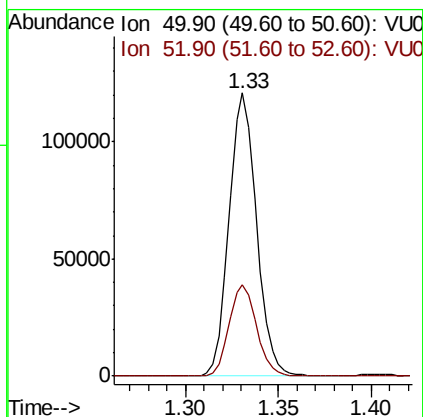
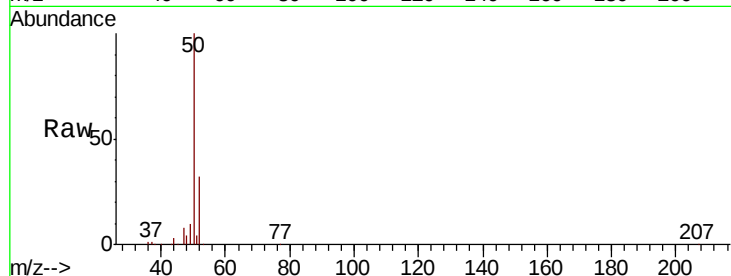
52 32.4 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.489 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028031.D

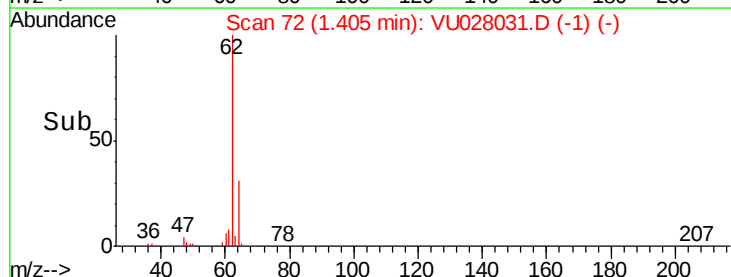
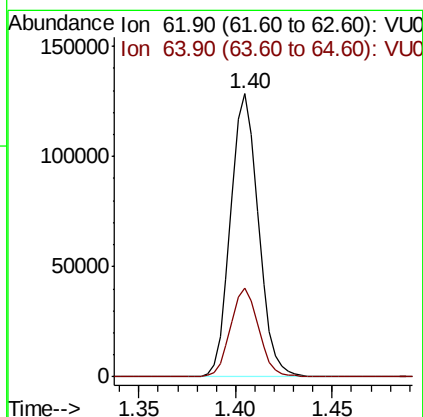
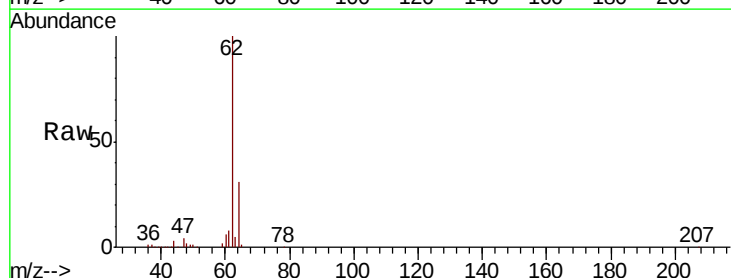
Acq: 08 Nov 2018 17:10

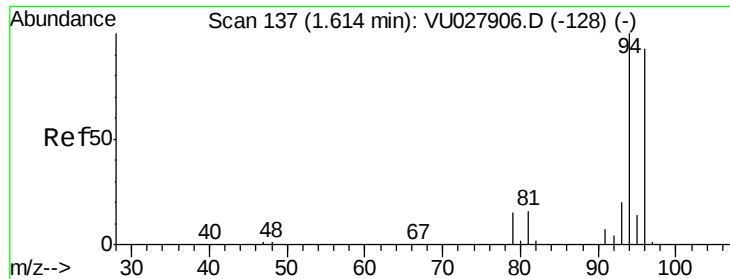
Tgt Ion: 62 Resp: 128391

Ion Ratio Lower Upper

62 100

64 31.2 25.2 37.8





#5

Bromomethane

Concen: 48.978 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.01 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

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Tot Ion: 94 Resp: 58014

Ion Ratio Lower Upper

94 100

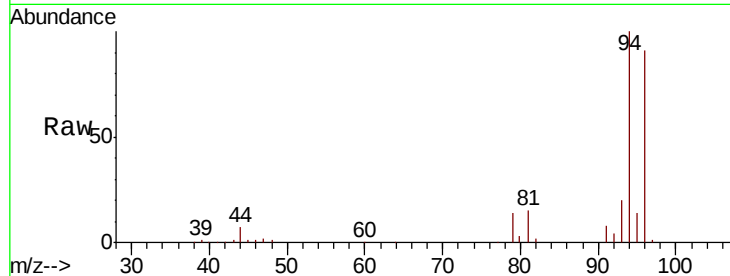
96 91.5 74.8 112.2

Manual Integrations

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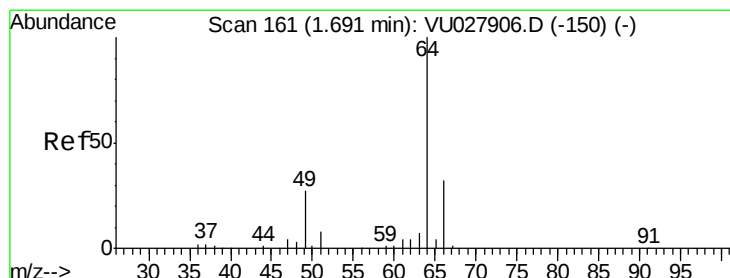
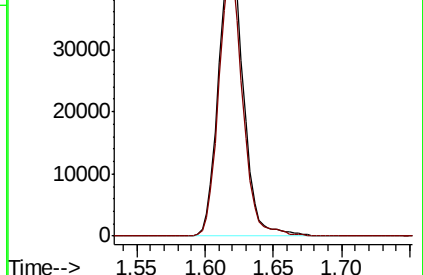
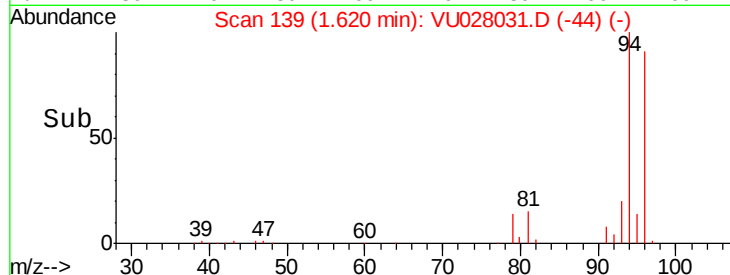


Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU028031.D (-44) (-)

1.62

Time-->



#6

Chloroethane

Concen: 46.922 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU028031.D

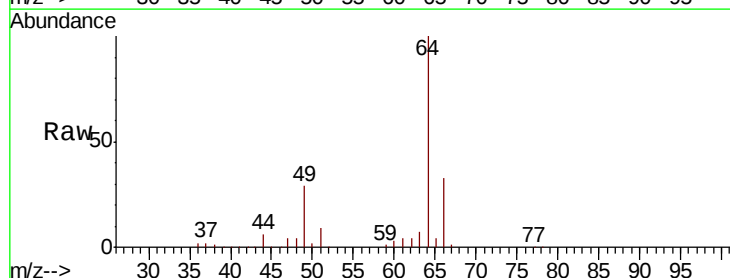
Acq: 08 Nov 2018 17:10

Tgt Ion: 64 Resp: 78034

Ion Ratio Lower Upper

64 100

66 33.3 25.9 38.9

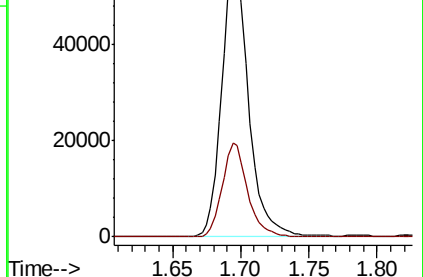
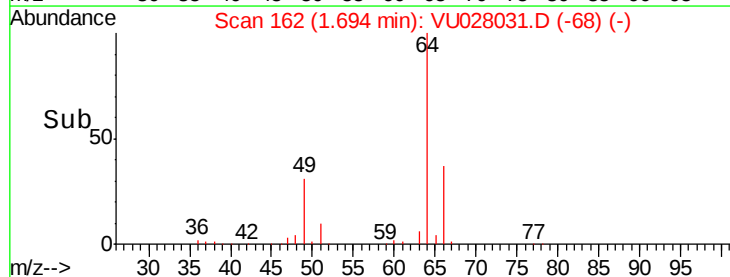


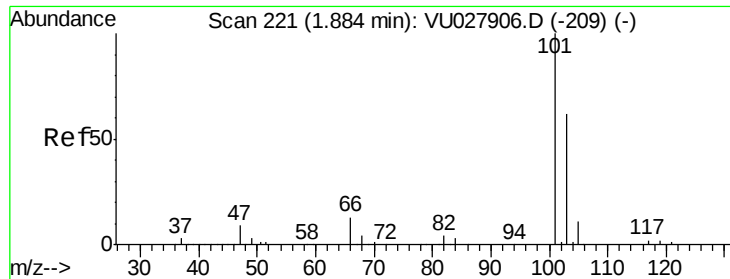
Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU028031.D (-68) (-)

1.69

Time-->





#7

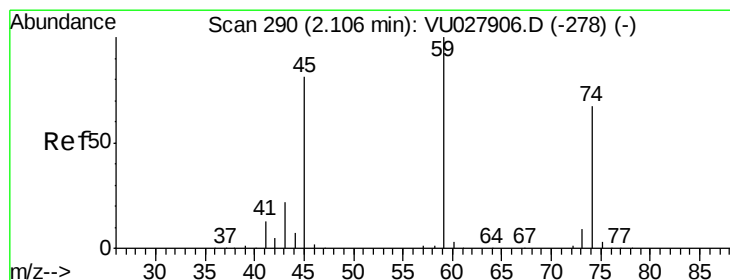
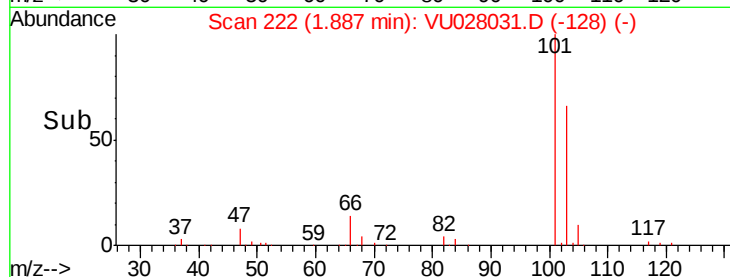
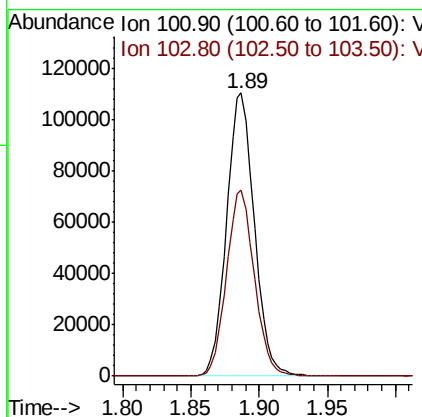
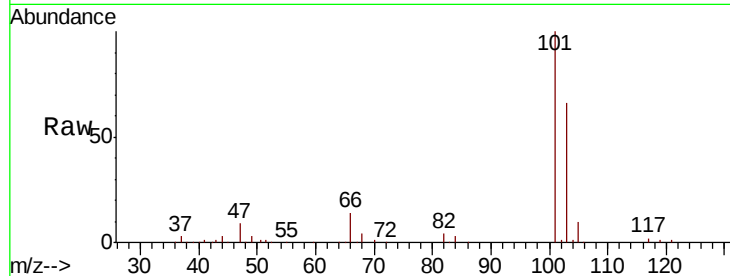
Trichlorofluoromethane
 Concen: 46.970 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	49.4	74.2

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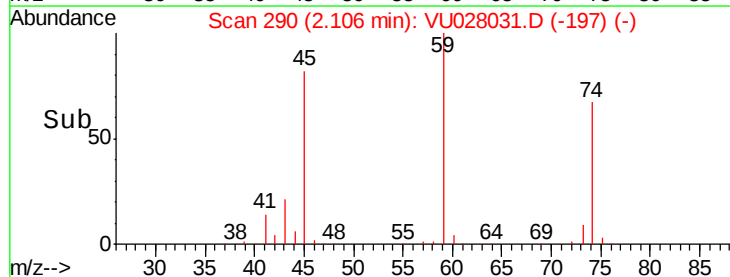
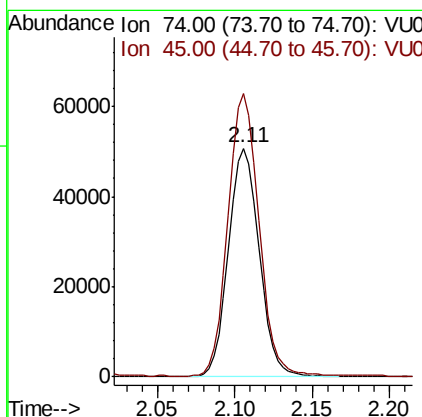
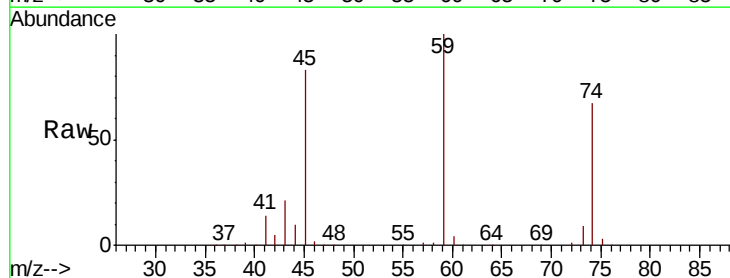
MMDadoda
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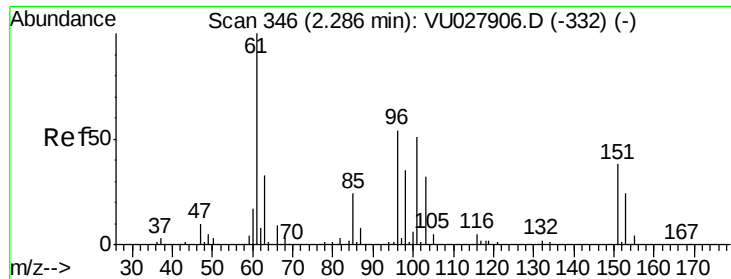


#8

Diethyl Ether
 Concen: 49.063 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.9	60.5	181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.157 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

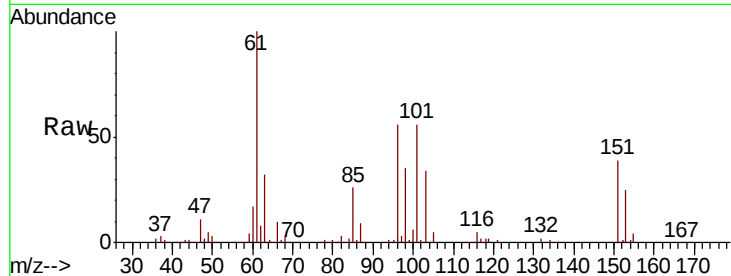
ClientSampleId :

VSTDCCC050EC

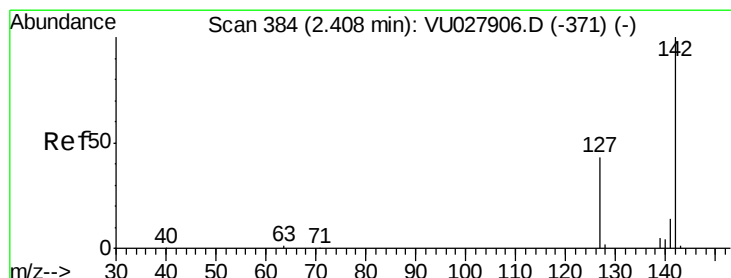
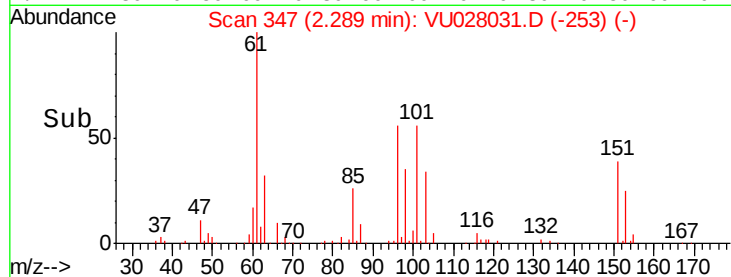
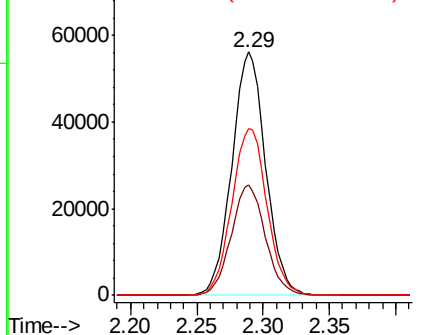
Tot Ion:	101	Resp:	99363
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.9	55.3
151	71.3	58.0	87.0

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.651 ug/l

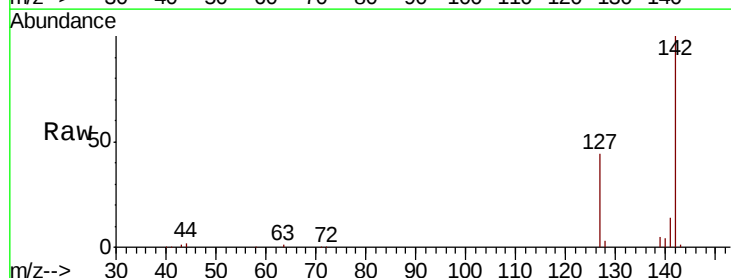
RT: 2.41 min Scan# 386

Delta R.T. 0.01 min

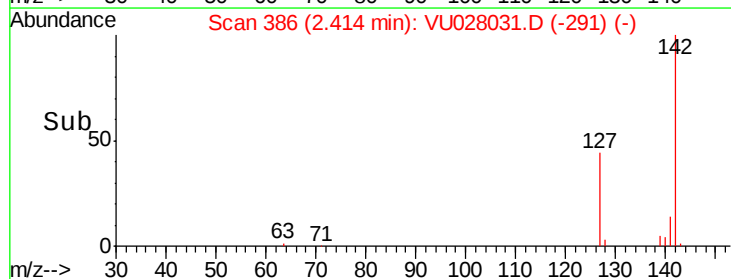
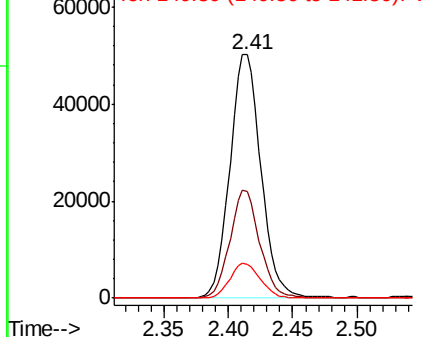
Lab File: VU028031.D

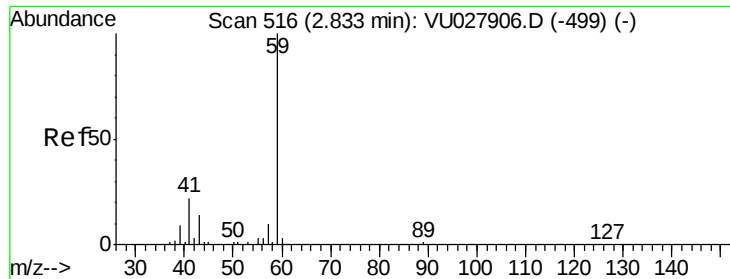
Acq: 08 Nov 2018 17:10

Tgt Ion:	142	Resp:	83758
Ion Ratio	Lower	Upper	
142	100		
127	42.5	35.2	52.8
141	14.1	11.8	17.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





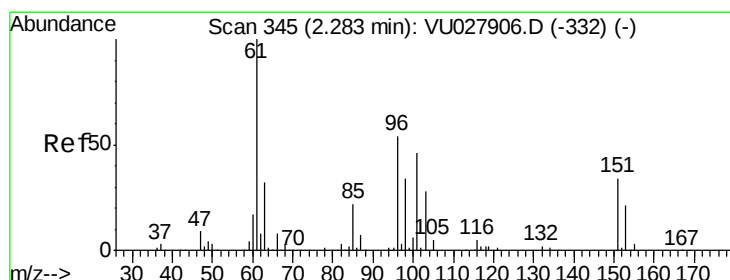
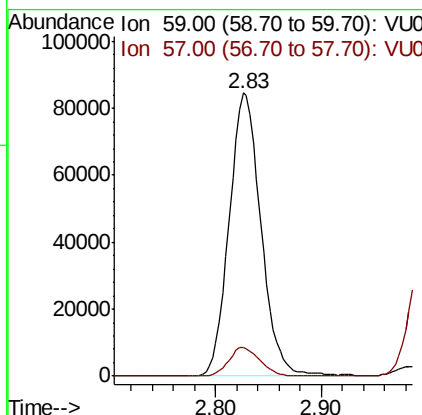
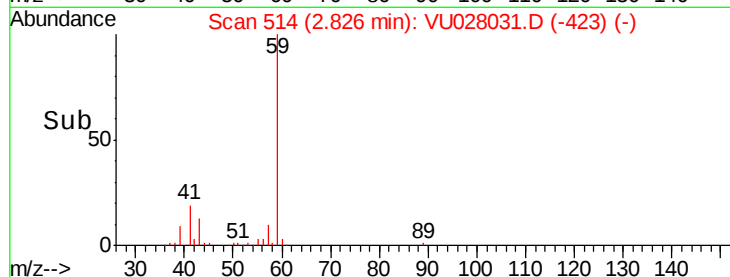
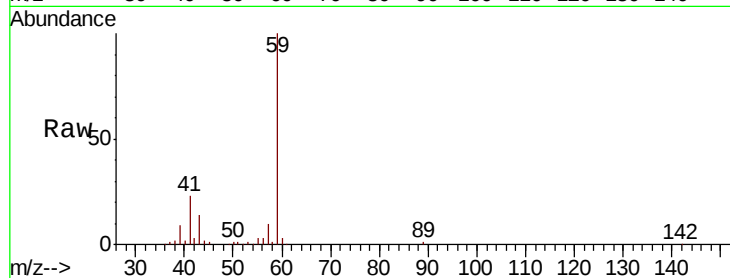
#11
Tert butyl alcohol
Concen: 236.933 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 176445
Ion Ratio Lower Upper
59 100
57 10.0 7.8 11.8

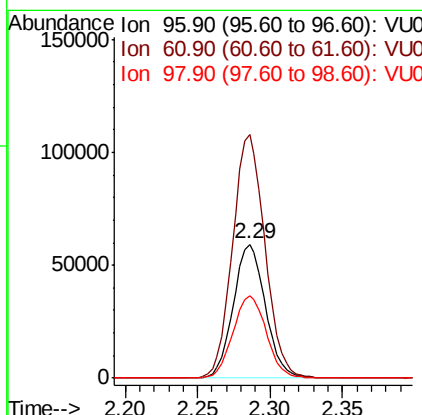
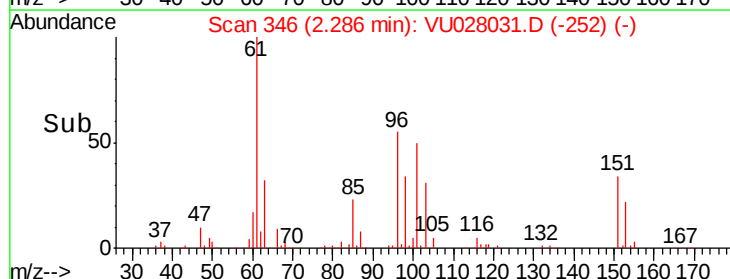
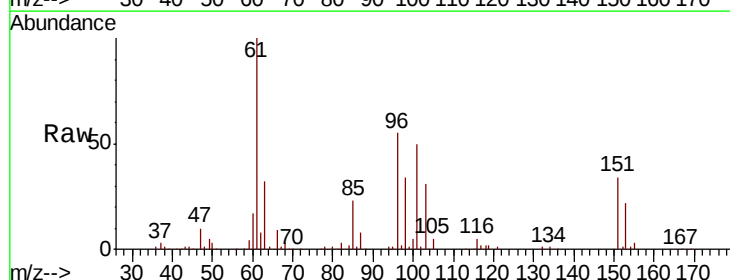
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 45.983 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion: 96 Resp: 91183
Ion Ratio Lower Upper
96 100
61 181.6 149.3 223.9
98 61.9 50.6 75.8





#13

Acrolein

Concen: 119.896 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 33812

Ion Ratio Lower Upper

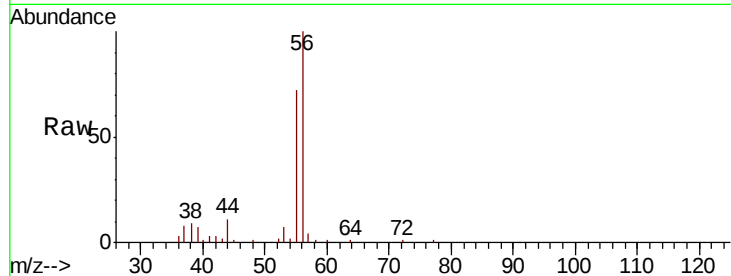
56 100

55 71.6 56.2 84.4

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Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU028031.D (-224) (-)

25000

20000

15000

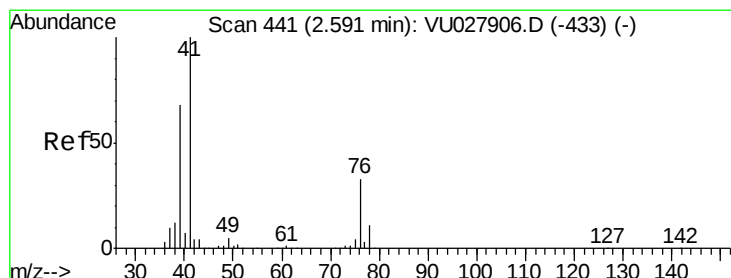
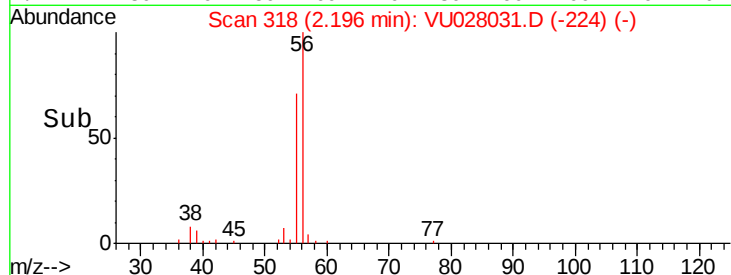
10000

5000

0

Time-->

2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 45.299 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

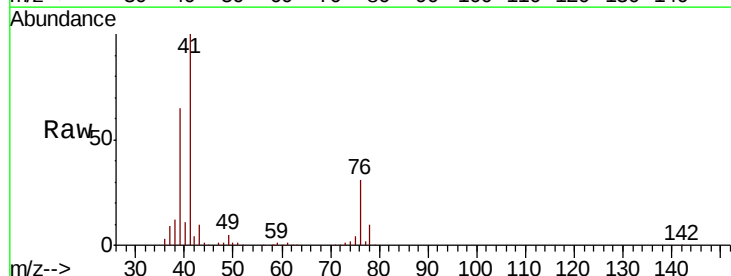
Tgt Ion: 41 Resp: 219540

Ion Ratio Lower Upper

41 100

39 62.5 51.9 77.9

76 29.7 23.8 35.6



Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU028031.D (-348) (-)

Ion 75.90 (75.60 to 76.60): VU028031.D (-348) (-)

150000

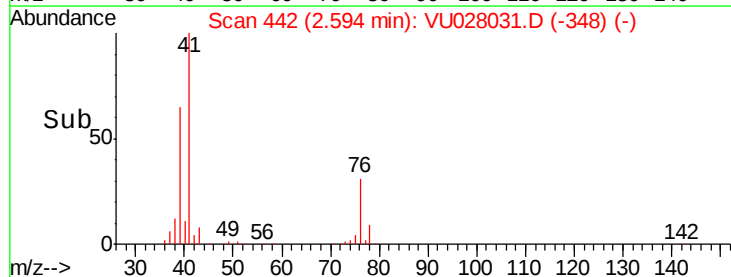
100000

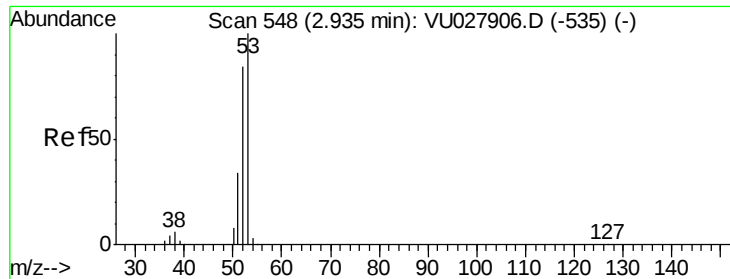
50000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 249.172 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

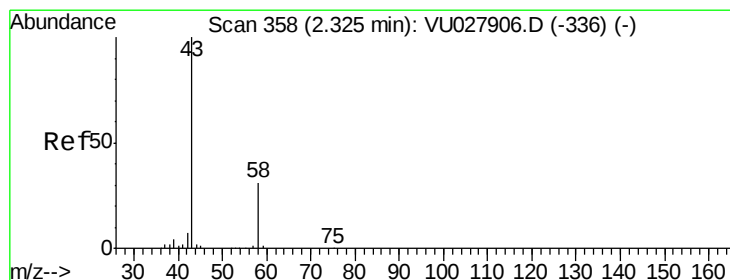
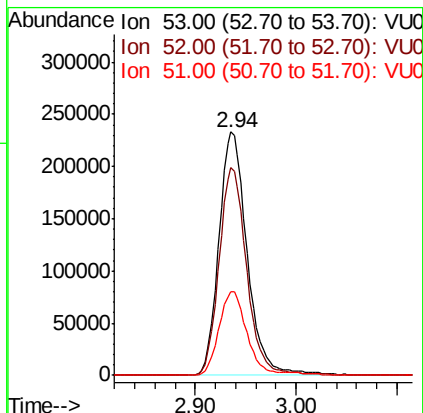
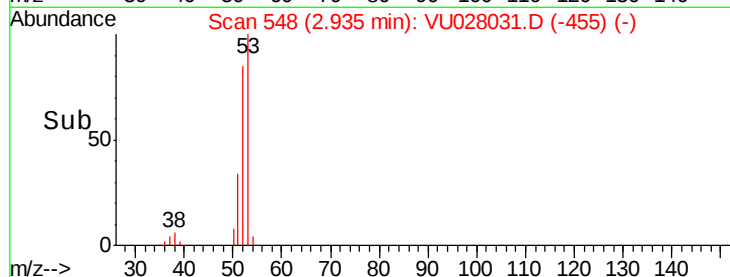
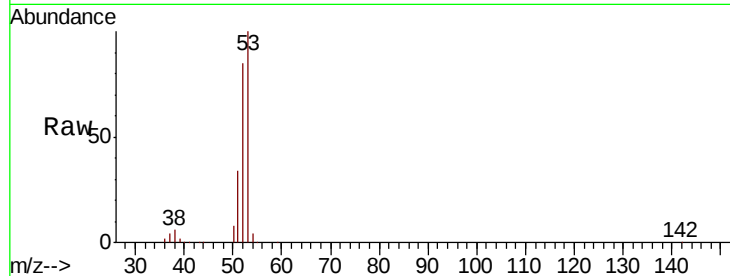
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	455810
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.2	99.2
51	33.9	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 246.077 ug/l

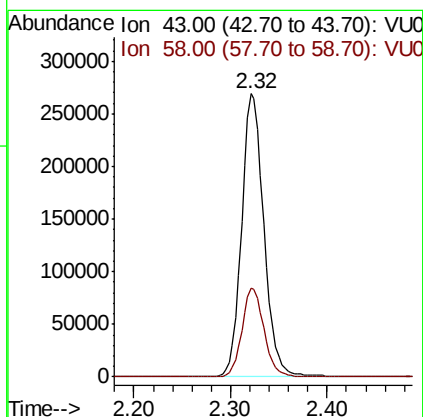
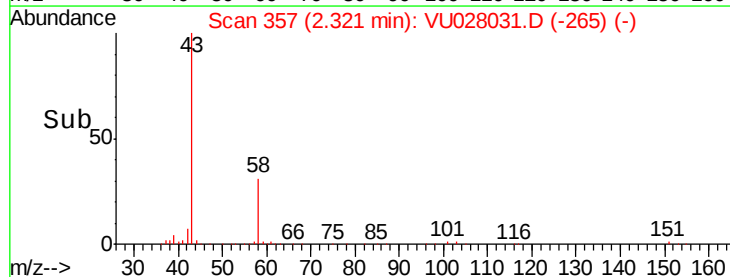
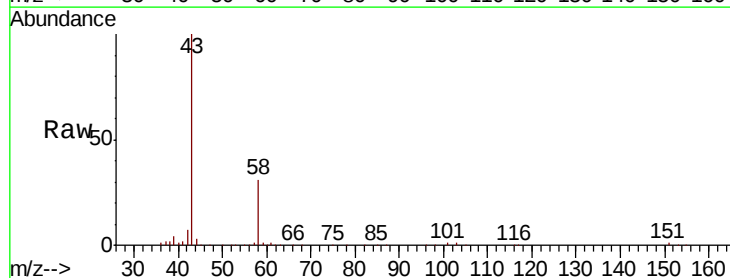
RT: 2.32 min Scan# 357

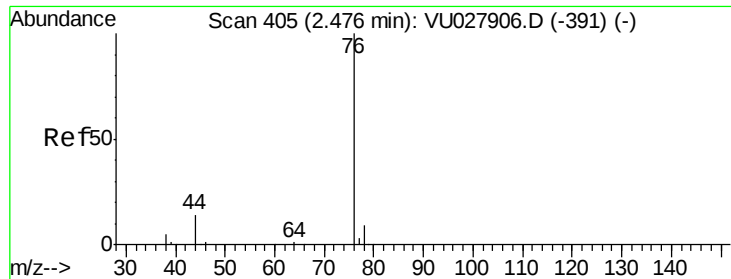
Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Tgt Ion:	43	Resp:	429482
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.6	37.0





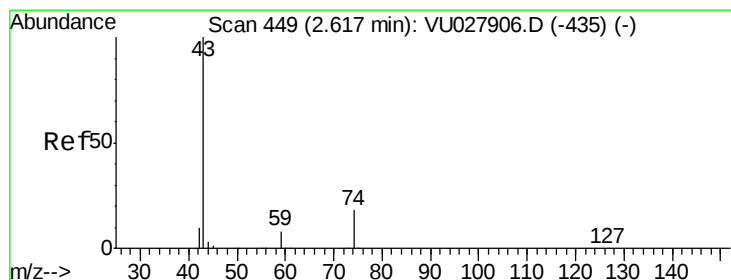
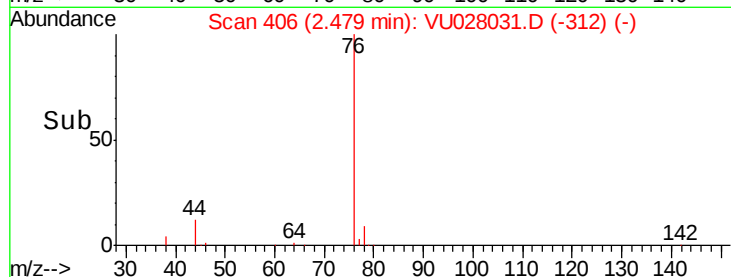
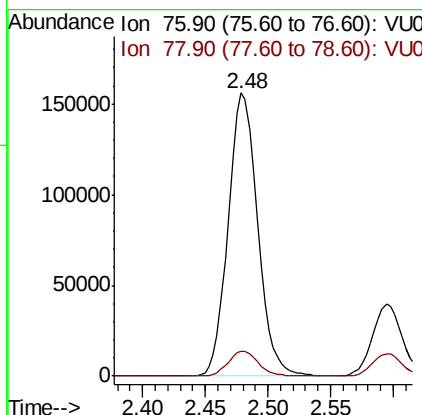
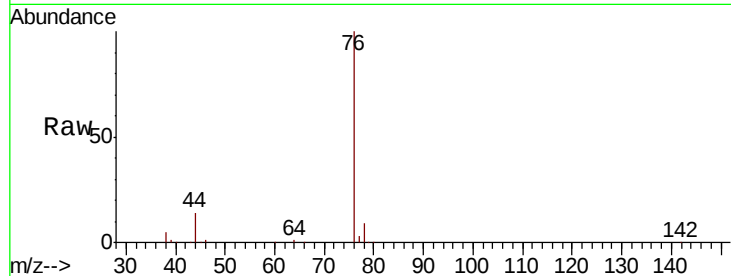
#17
Carbon Disulfide
Concen: 39.304 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

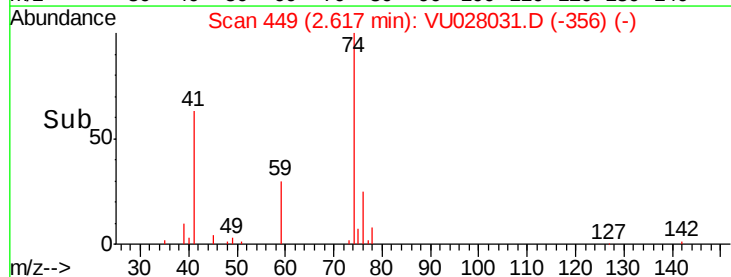
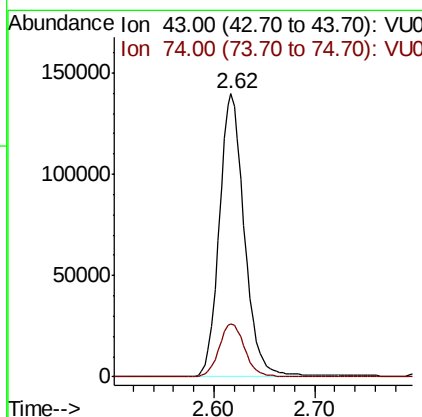
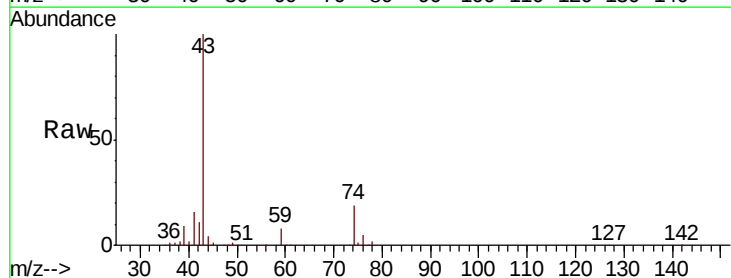
Manual Integrations
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#18
Methyl Acetate
Concen: 50.253 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	14.9	22.3





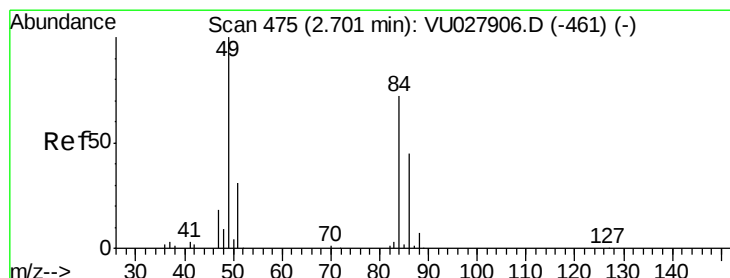
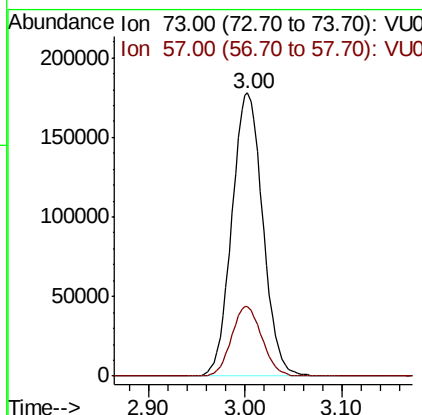
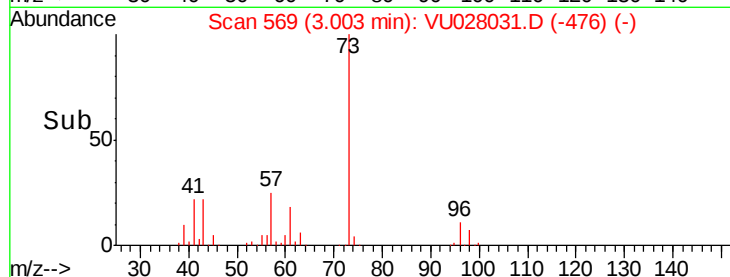
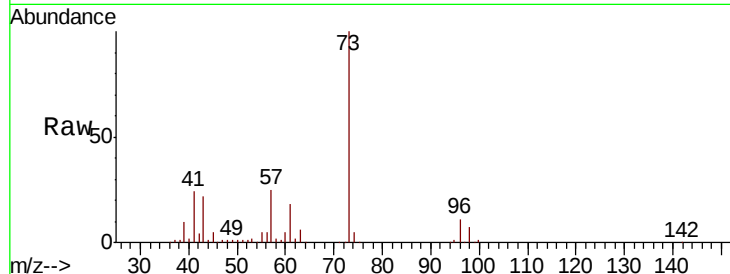
#19
Methvl tert-butvl Ether
Concen: 49.483 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.3	28.9

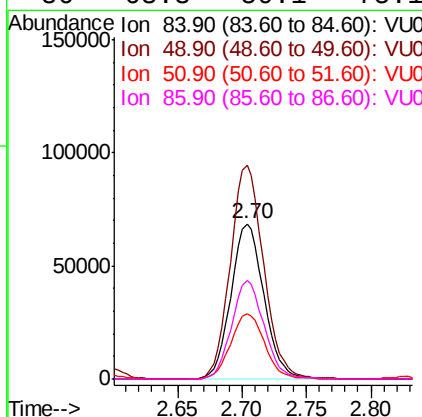
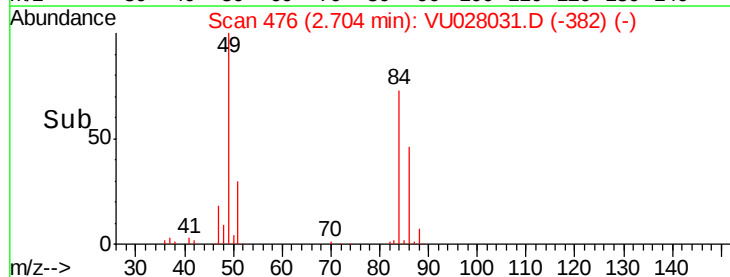
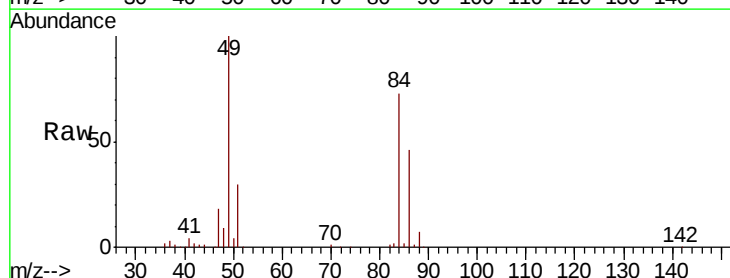
Manual Integrations
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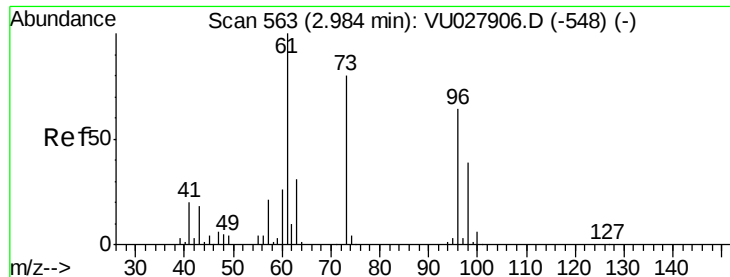
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#20
Methylene Chloride
Concen: 47.735 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.7	111.6	167.4
51	41.7	34.8	52.2
86	63.3	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 43.991 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 100672

Ion Ratio Lower Upper

96 100

61 160.5 125.0 187.6

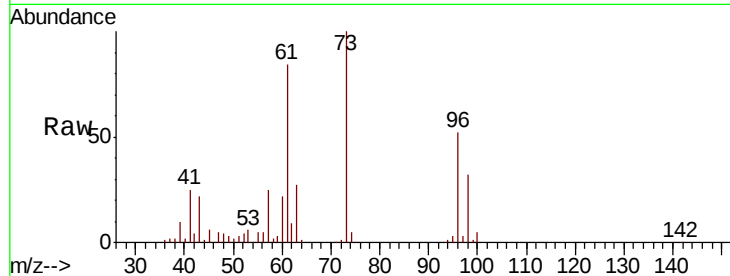
98 62.2 48.2 72.4

Manual Integrations

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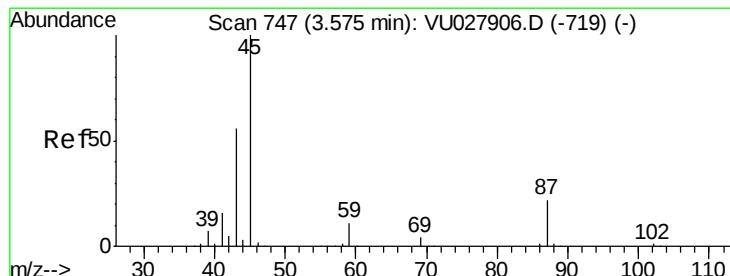
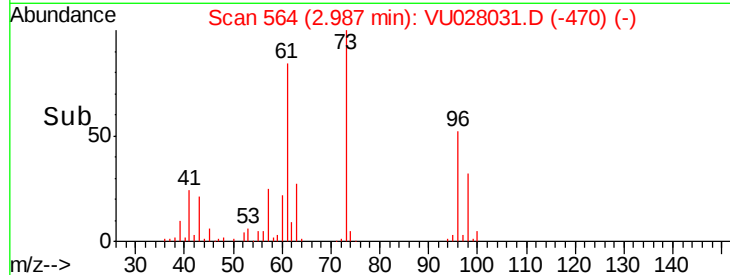
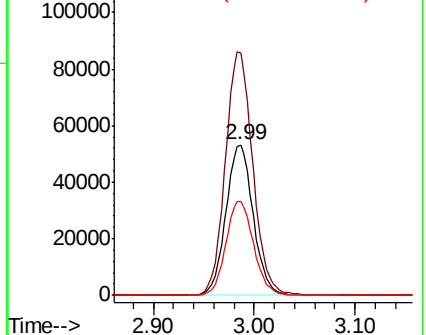


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 49.380 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Tgt Ion: 45 Resp: 494081

Ion Ratio Lower Upper

45 100

43 55.4 45.0 67.6

87 21.5 17.9 26.9

59 10.9 8.6 12.8

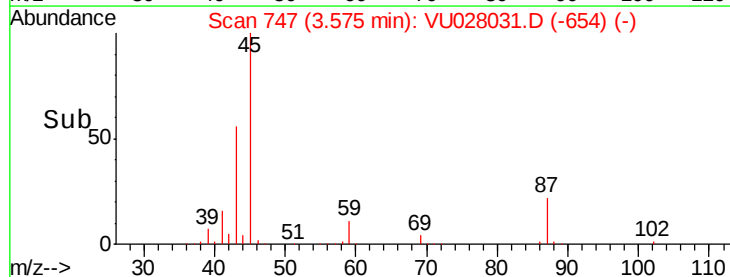
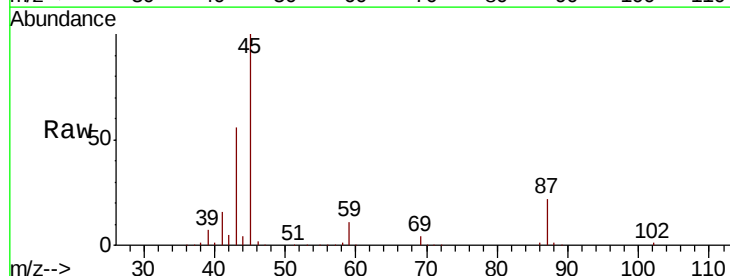
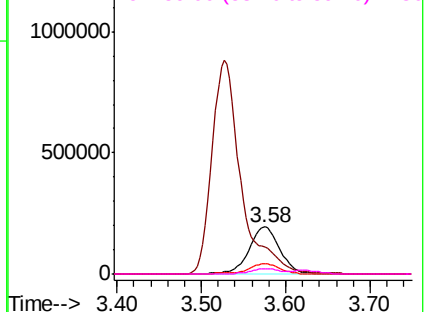
Abundance

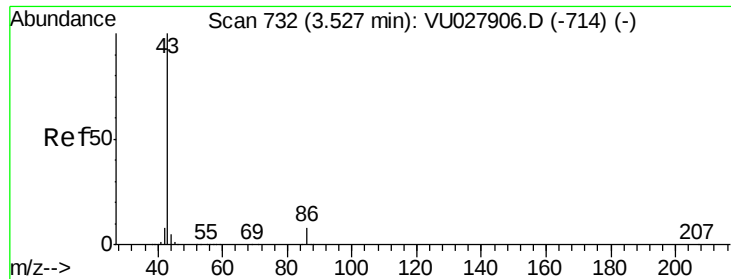
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 246.180 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2116965

Ion Ratio Lower Upper

43 100

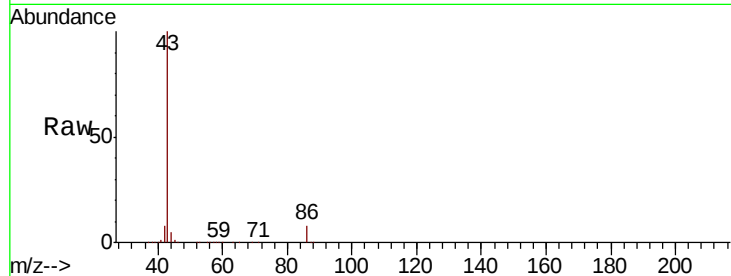
86 8.1 6.6 9.8

Manual Integrations

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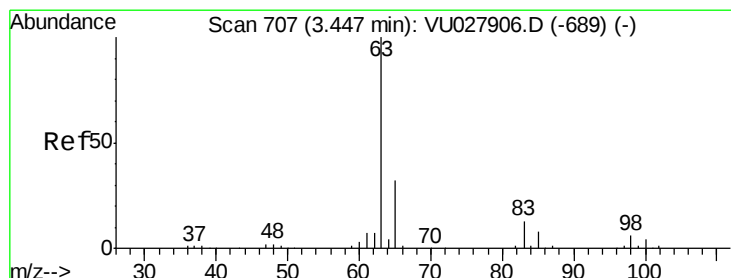
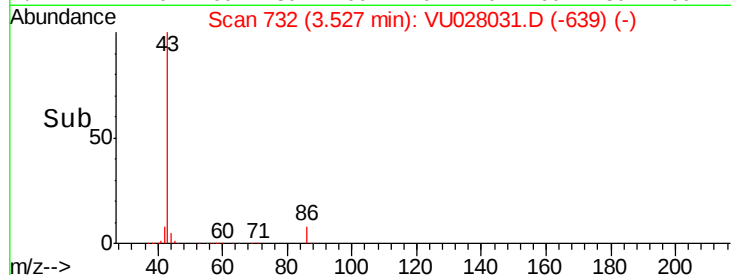
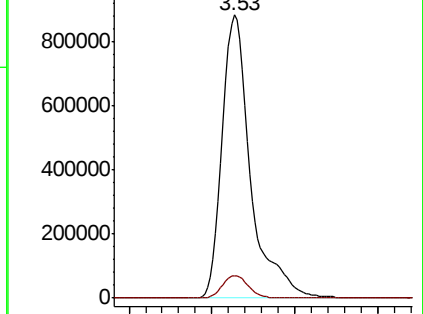
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Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-714) (-)

Ion 86.00 (85.70 to 86.70): VU027906.D (-714) (-)



#24

1,1-Dichloroethane

Concen: 47.671 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

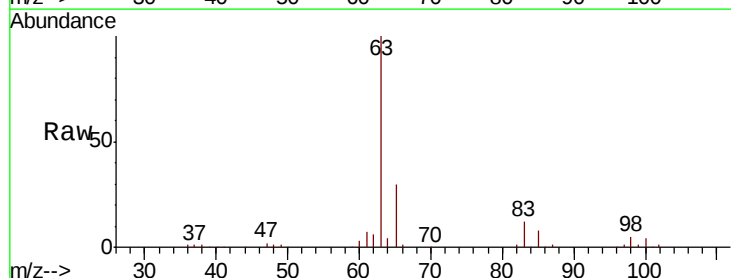
Tgt Ion: 63 Resp: 237586

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.6

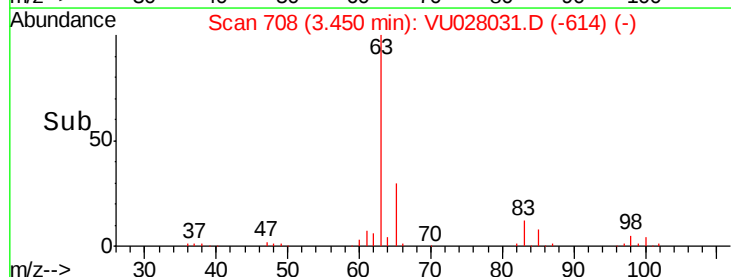
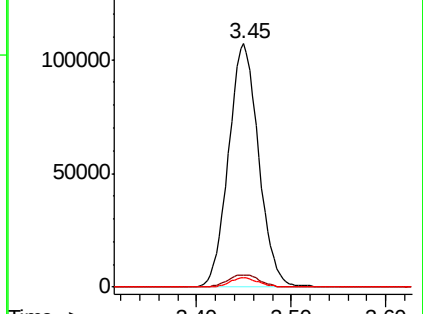
100 3.9 2.0 6.0

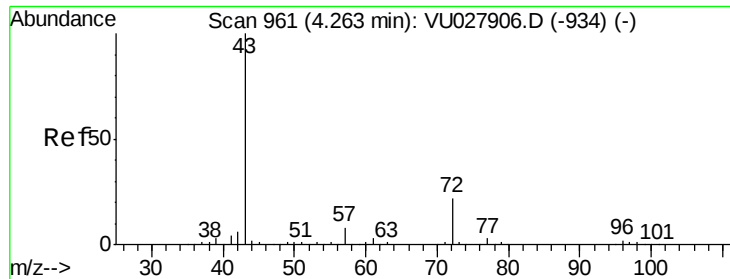


Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VU027906.D (-689) (-)





#25

2-Butanone

Concen: 248.120 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 688937

Ion Ratio Lower Upper

43 100

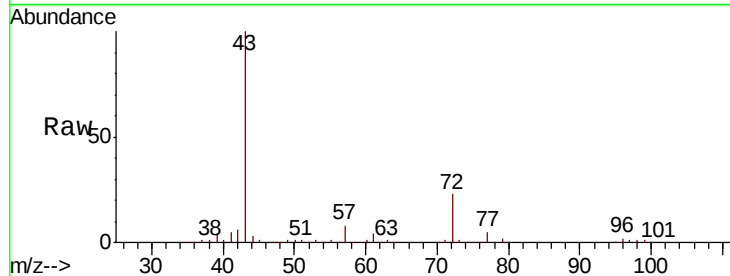
72 23.2 17.7 26.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

300000

250000

200000

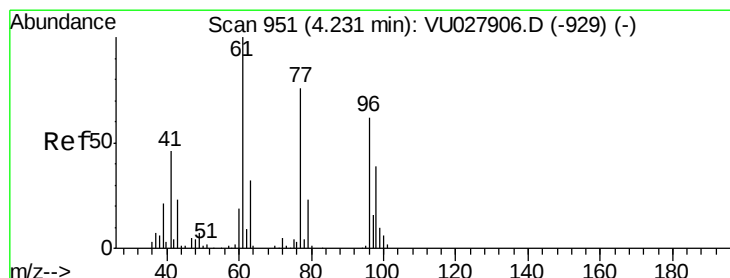
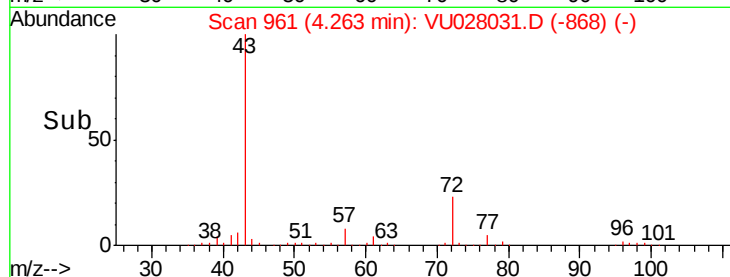
150000

100000

50000

0

Time--> 4.15 4.20 4.25 4.30 4.35



#26

2,2-Dichloropropane

Concen: 49.403 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU028031.D

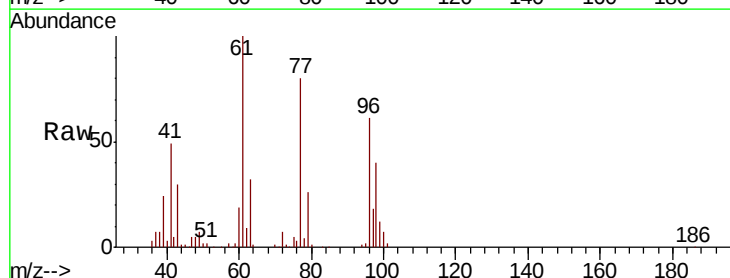
Acq: 08 Nov 2018 17:10

Tgt Ion: 77 Resp: 184776

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

80000

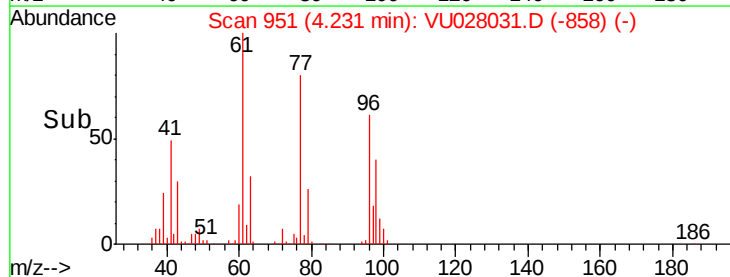
60000

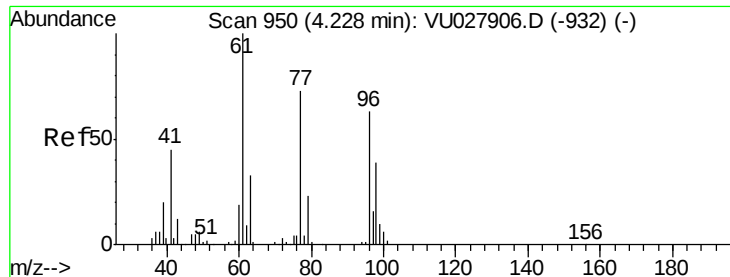
40000

20000

0

Time--> 4.10 4.20 4.30





#27

cis-1,2-Dichloroethene

Concen: 49.204 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

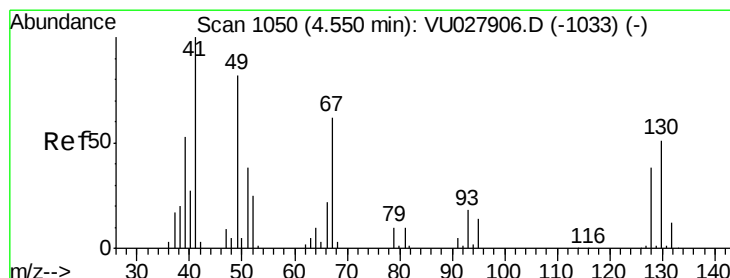
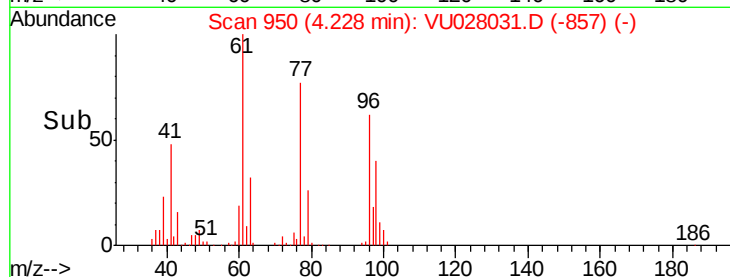
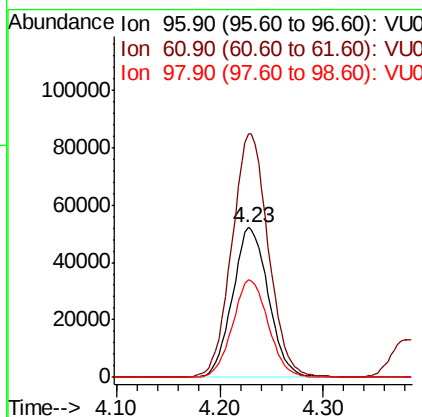
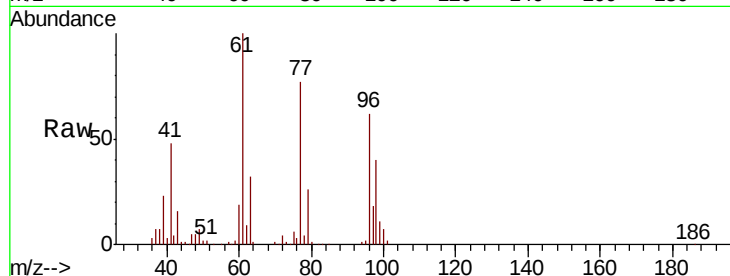
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	126269
Ion	Ratio	Lower	Upper
96	100		
61	165.3	0.0	329.6
98	64.7	0.0	127.2

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#28

Bromochloromethane

Concen: 50.636 ug/l

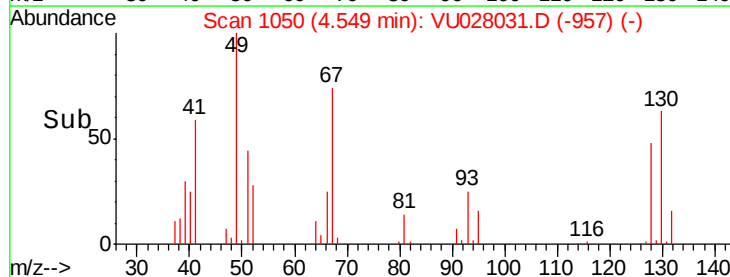
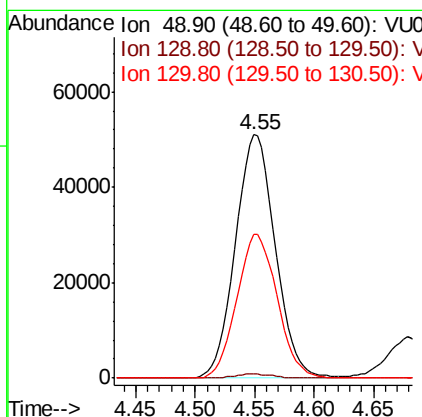
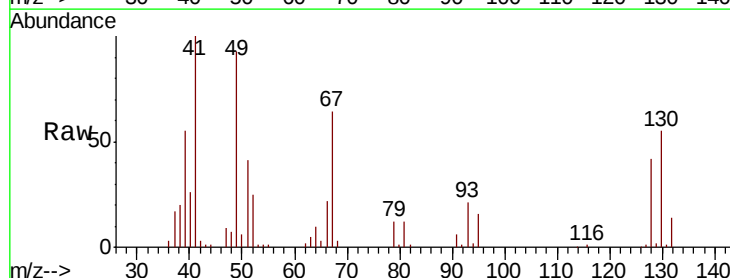
RT: 4.55 min Scan# 1050

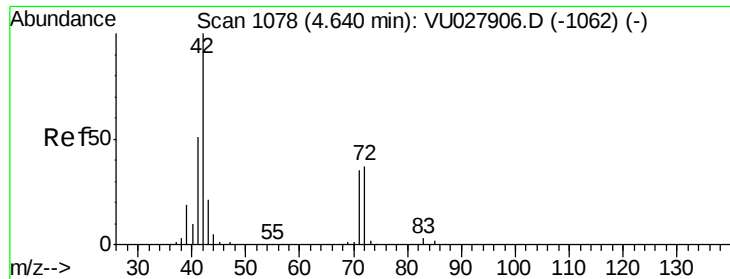
Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Tgt Ion:	49	Resp:	118309
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	59.6	47.8	71.6





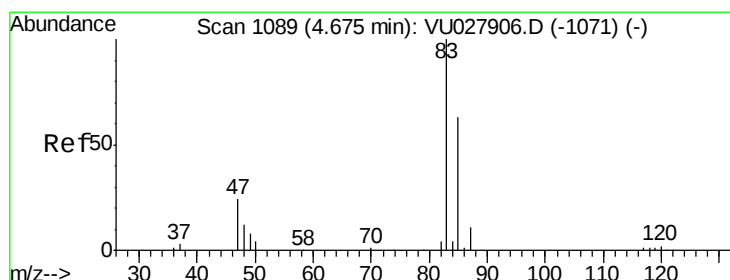
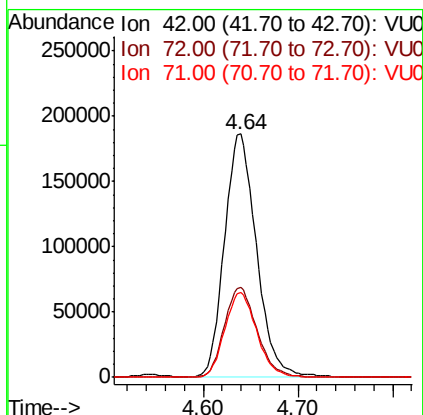
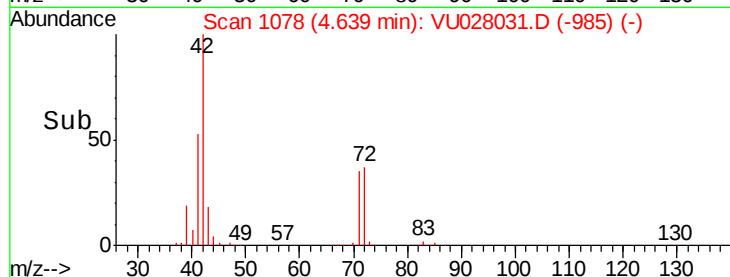
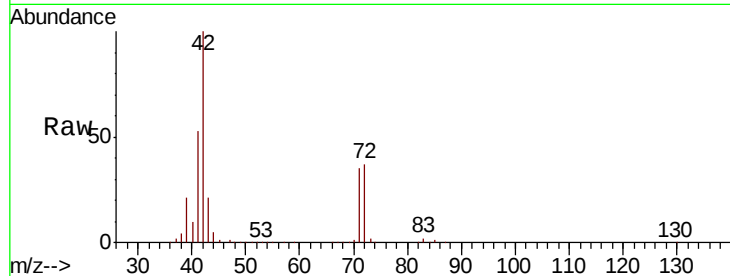
#29
Tetrahydrofuran
Concen: 235.315 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	29.4	44.0
71	35.2	27.9	41.9

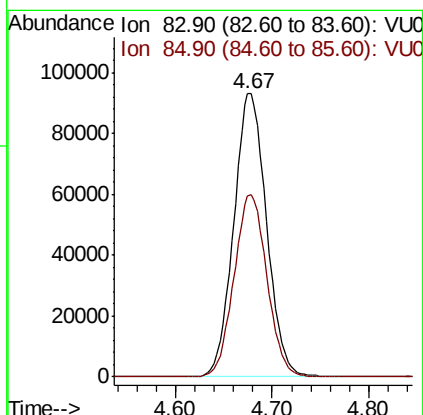
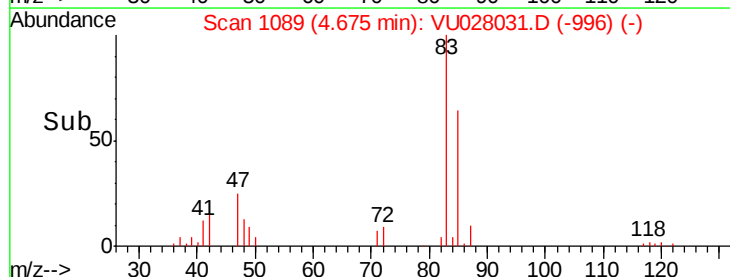
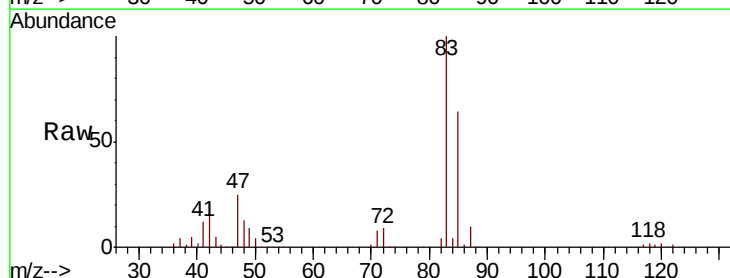
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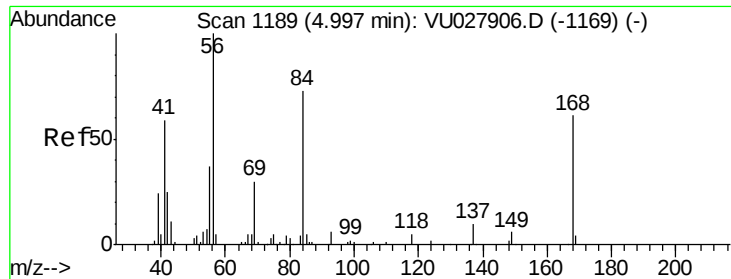
MMDadoda
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#30
Chloroform
Concen: 48.012 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.6	76.0





#31

Cyclohexane

Concen: 44.498 ug/l

RT: 5.00 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 218538

Ion Ratio Lower Upper

56 100

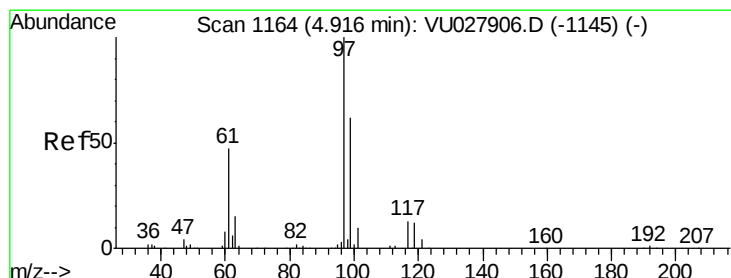
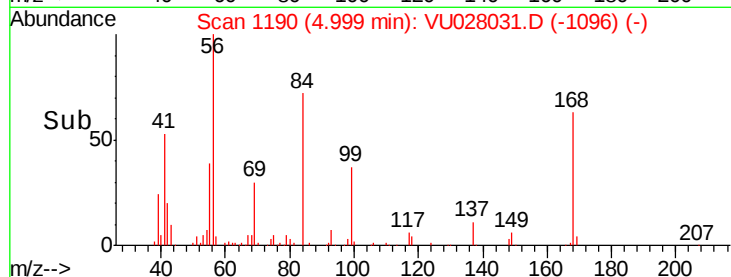
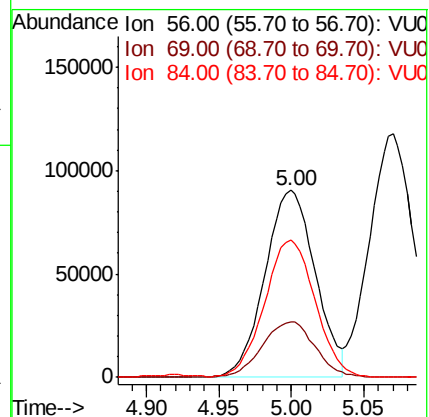
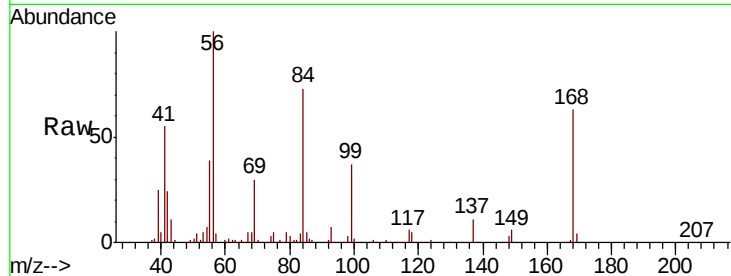
69 29.6 23.7 35.5

84 72.3 58.2 87.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.229 ug/l

RT: 4.92 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

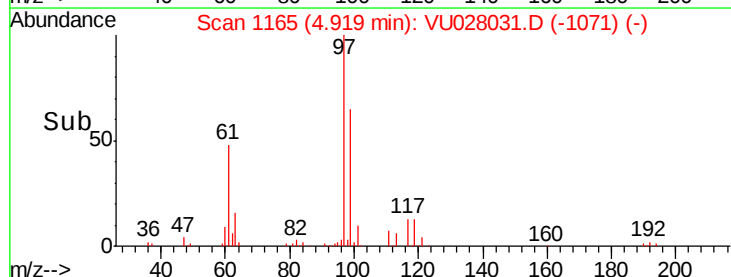
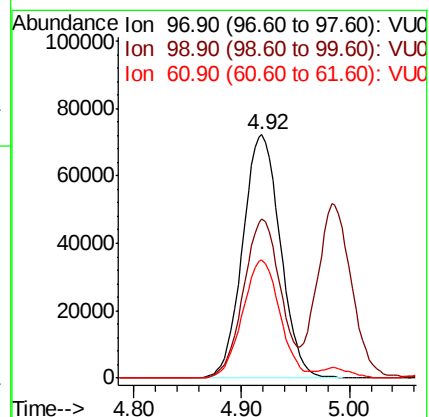
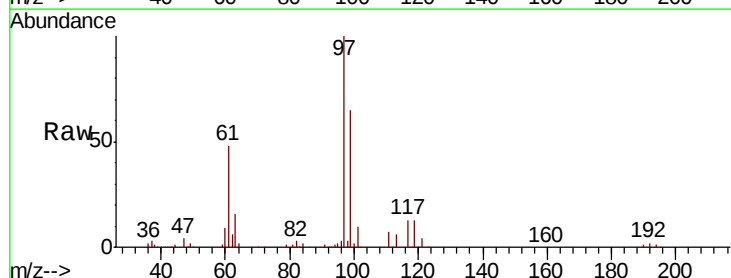
Tgt Ion: 97 Resp: 175438

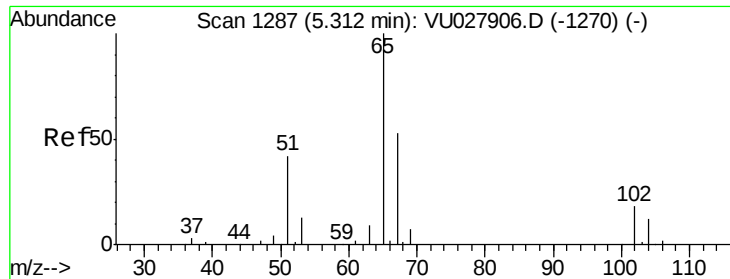
Ion Ratio Lower Upper

97 100

99 65.0 50.5 75.7

61 48.2 38.3 57.5





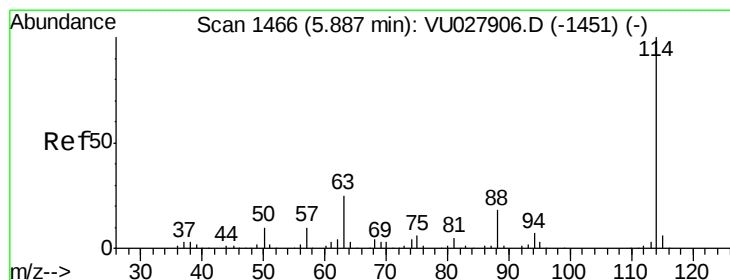
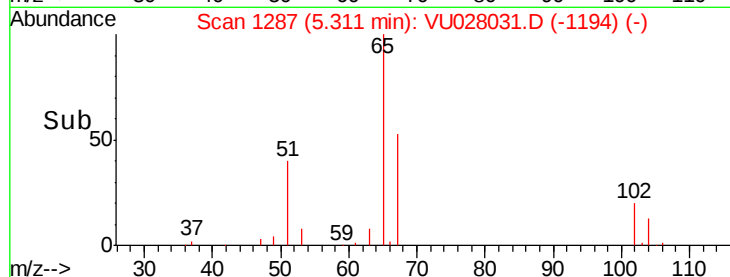
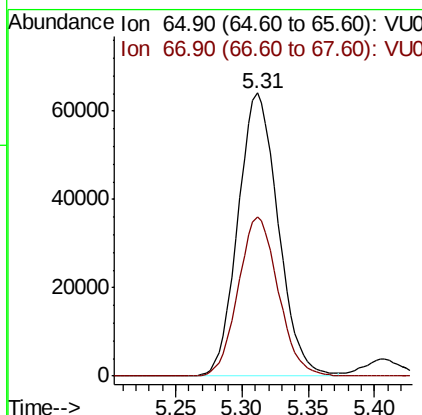
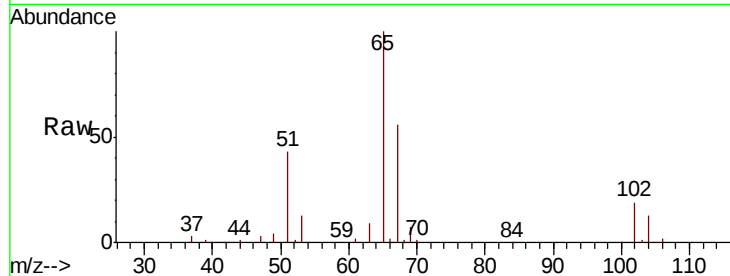
#33
 1,2-Dichloroethane-d4
 Concen: 48.050 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.1	0.0	109.0

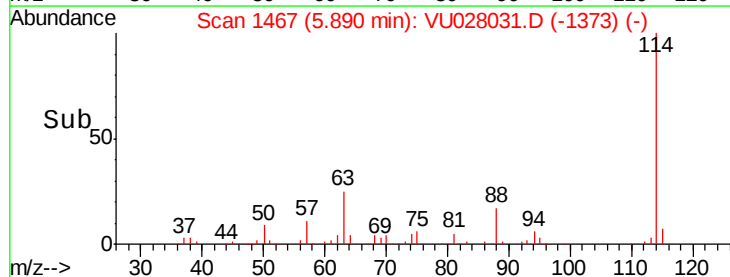
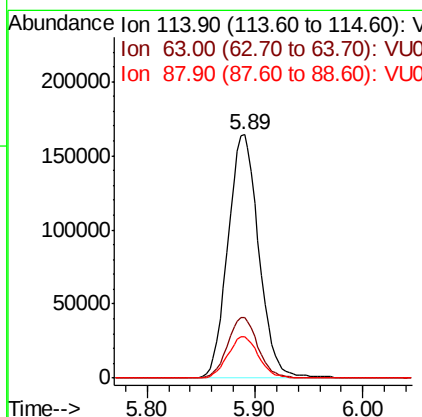
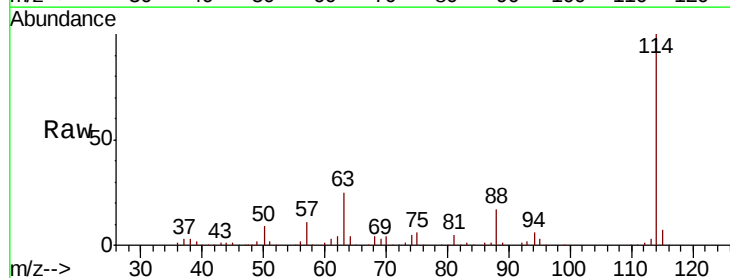
Manual Integrations
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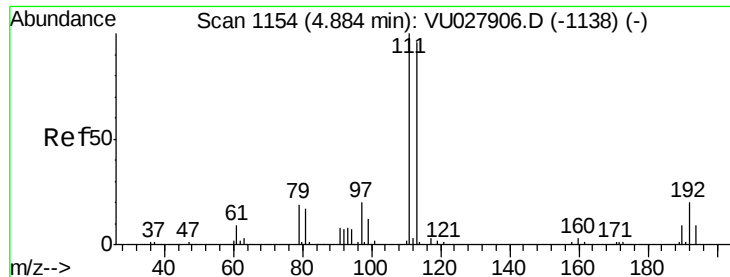
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	50.8
88	17.0	0.0	35.8





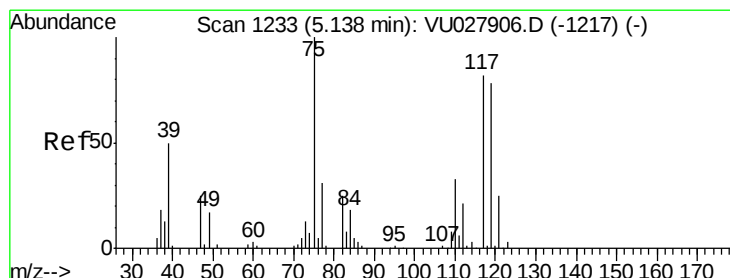
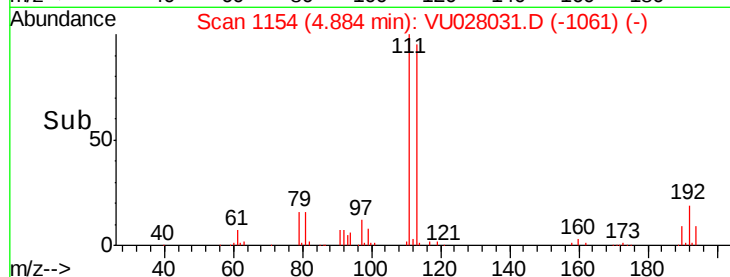
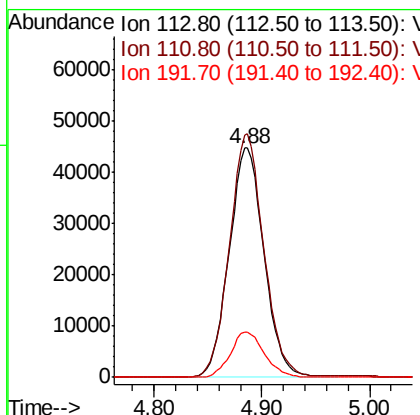
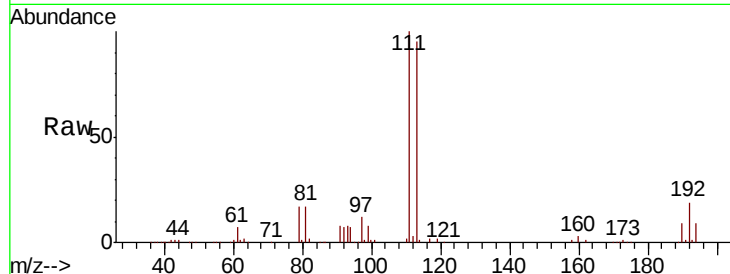
#35
 Dibromofluoromethane
 Concen: 48.767 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.2	83.0	124.6	
192	19.3	15.6	23.4	

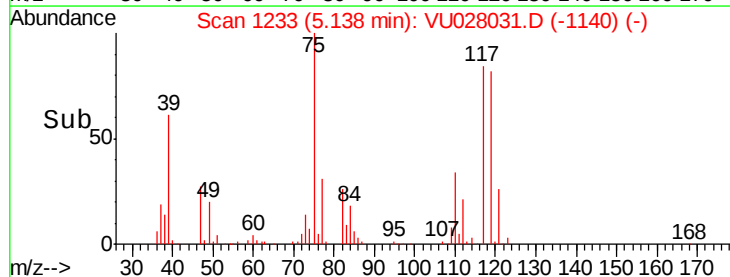
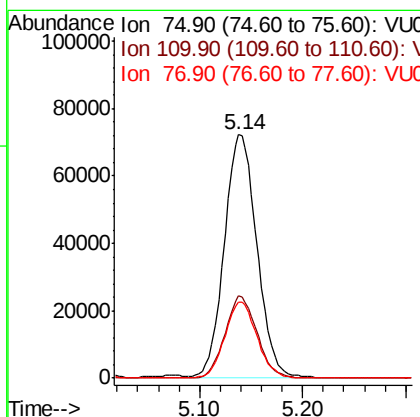
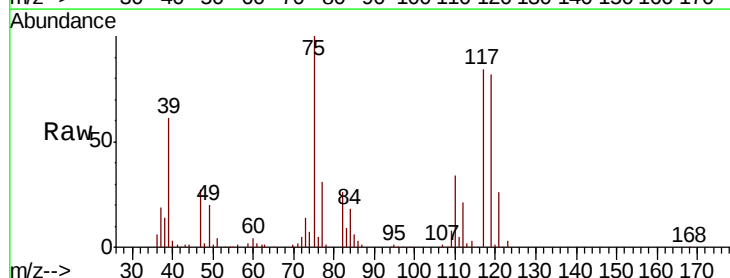
Manual Integrations
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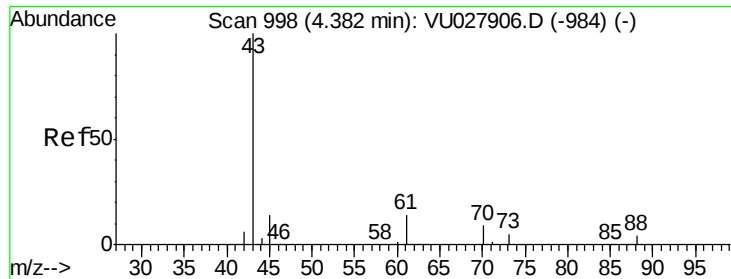
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#36
 1,1-Dichloropropene
 Concen: 46.039 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.1	16.5	49.5	
77	31.1	24.9	37.3	





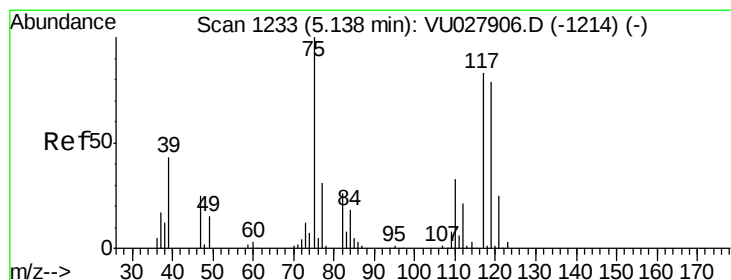
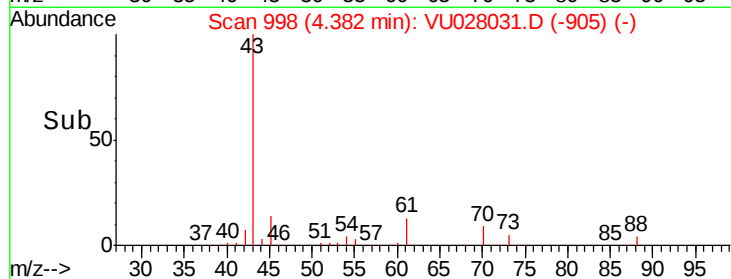
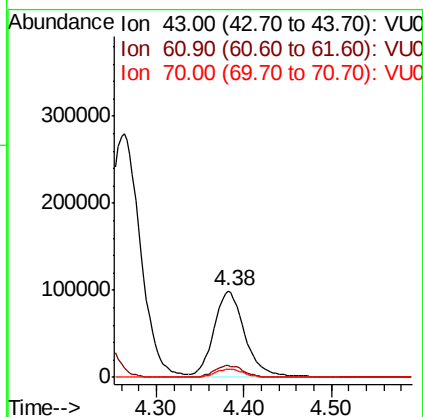
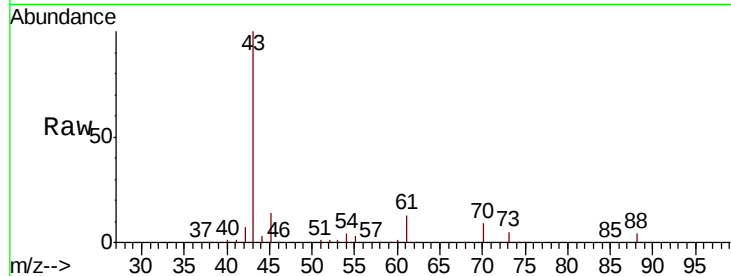
#37
Ethyl Acetate
Concen: 47.747 ug/l
RT: 4.38 min Scan# 998
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.3	15.5
70	9.1	7.0	10.6

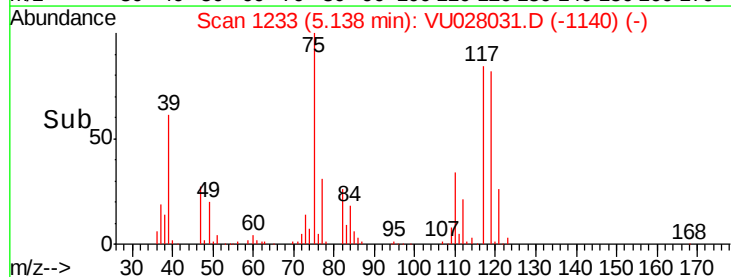
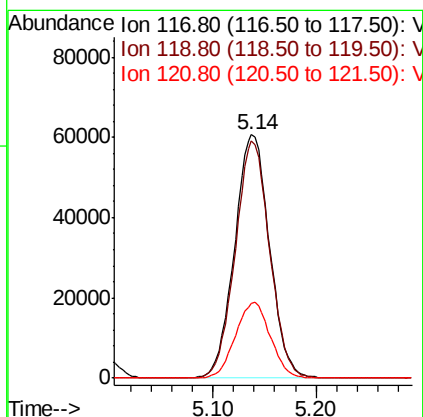
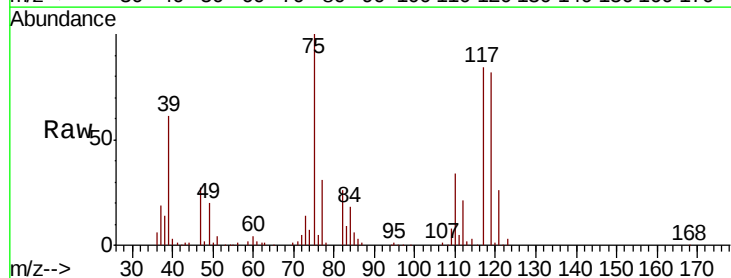
Manual Integrations
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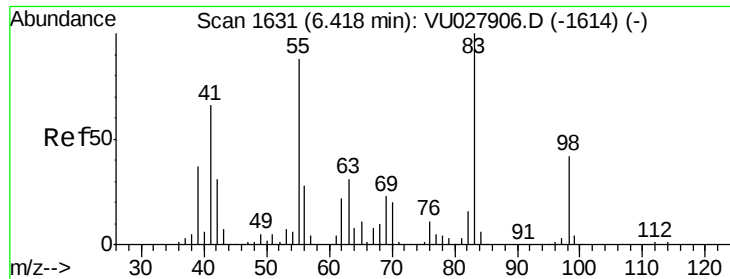
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.833 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.0	114.0
121	30.8	24.5	36.7





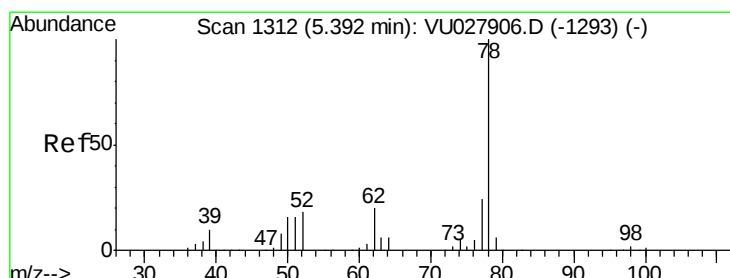
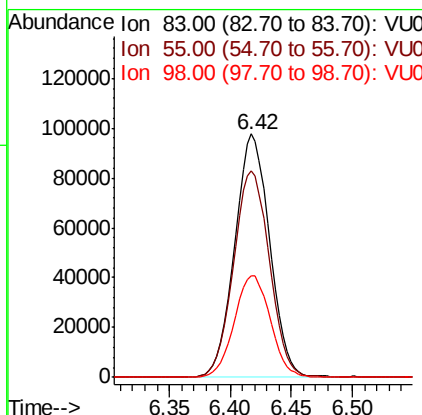
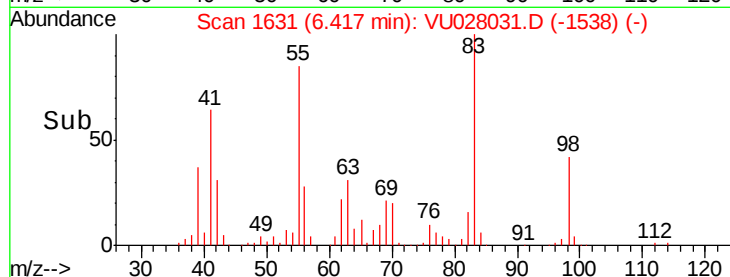
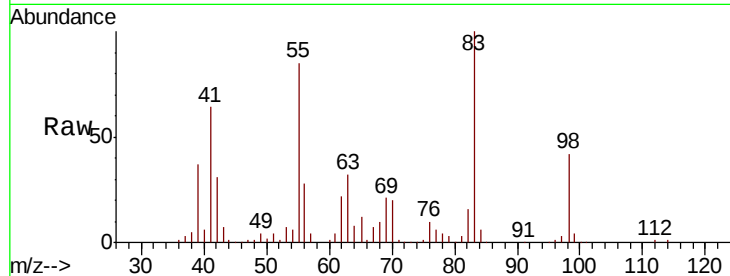
#39
Methvlcvclohexane
Concen: 46.633 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.0	70.3	105.5
98	41.9	34.0	51.0

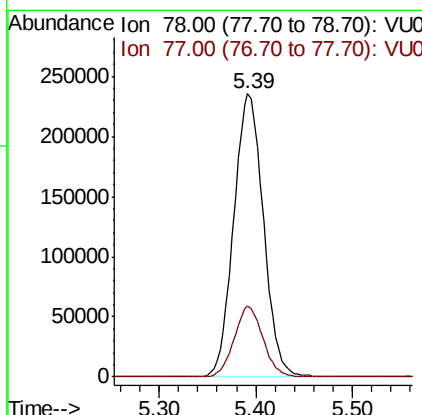
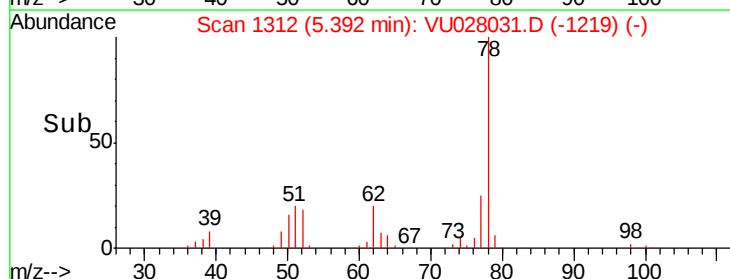
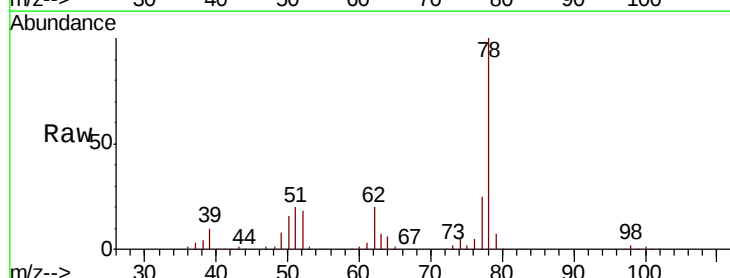
Manual Integrations
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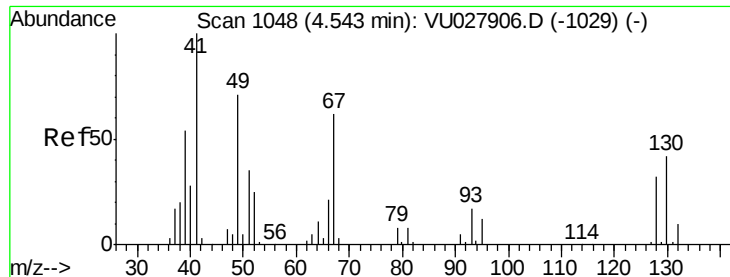
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#40
Benzene
Concen: 47.662 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.3	28.9





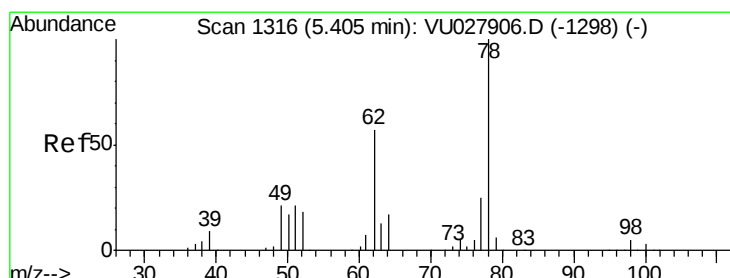
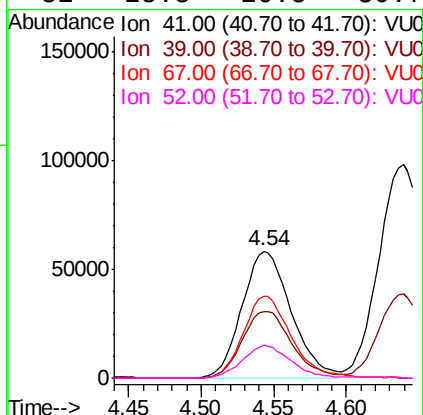
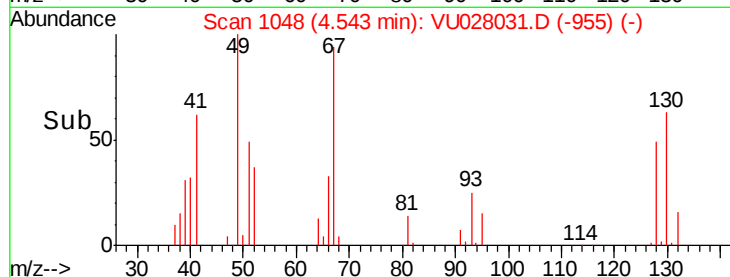
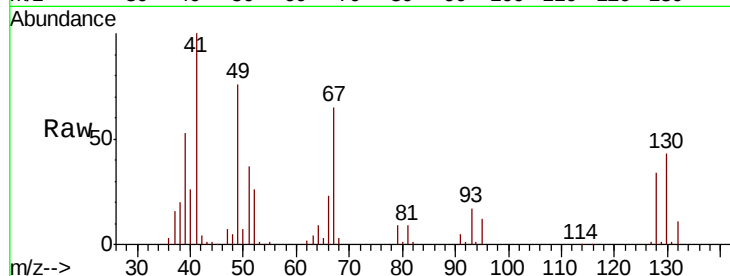
#41
Methacrylonitrile
Concen: 50.899 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.7	42.2	63.4	
67	63.9	49.5	74.3	
52	25.5	20.5	30.7	

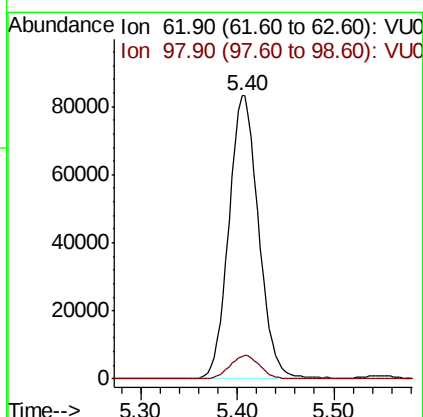
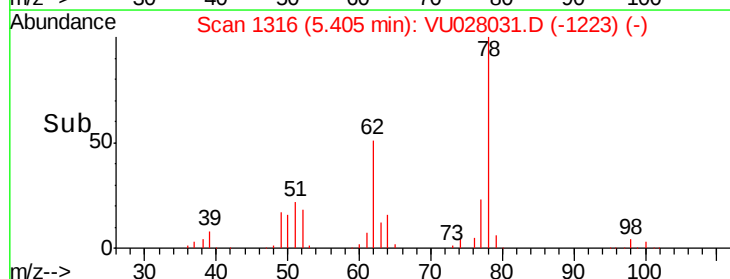
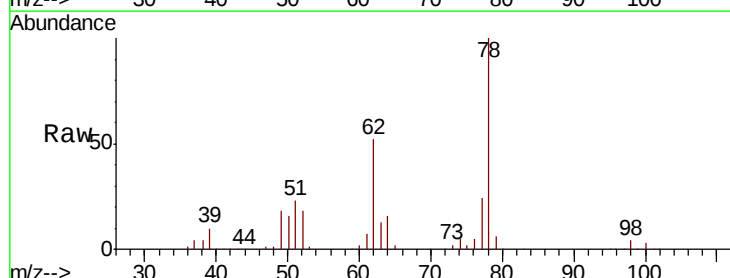
Manual Integrations
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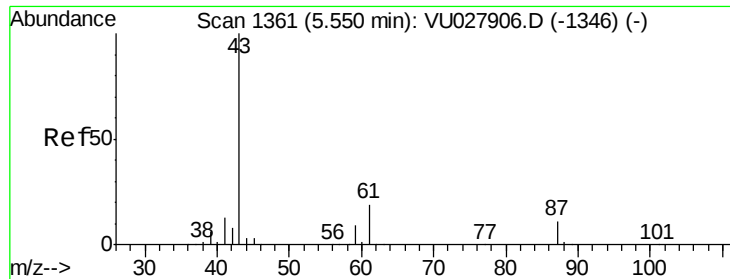
MMDadoda
11/9/2018 3:17:47 PM



#42
1,2-Dichloroethane
Concen: 47.522 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	17.2	





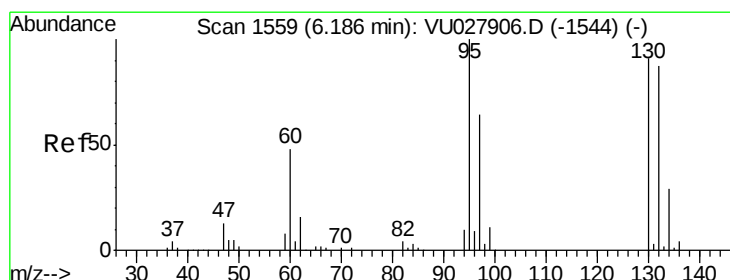
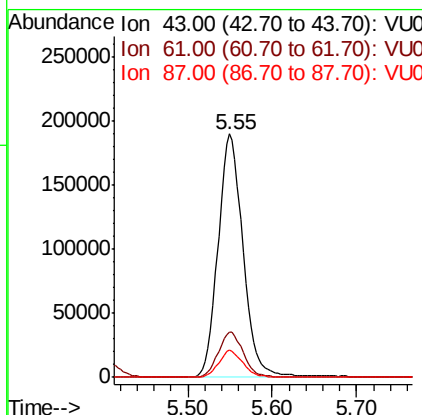
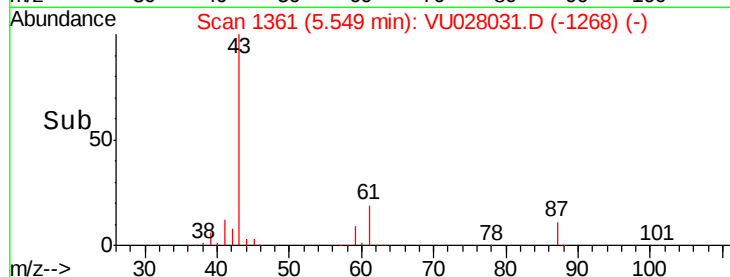
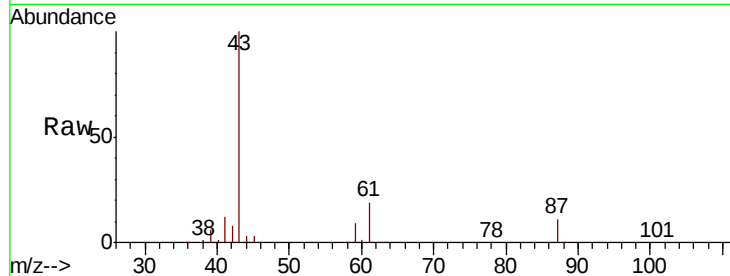
#43
Isopropyl Acetate
Concen: 49.285 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.0	22.4
87	10.8	8.6	12.8

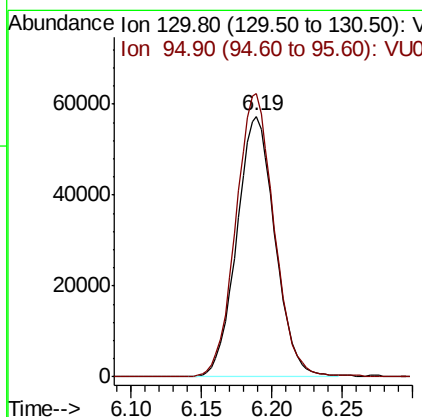
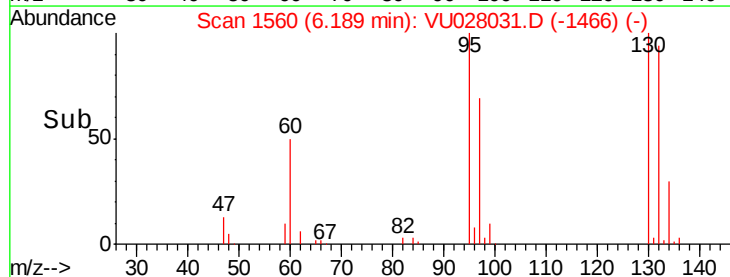
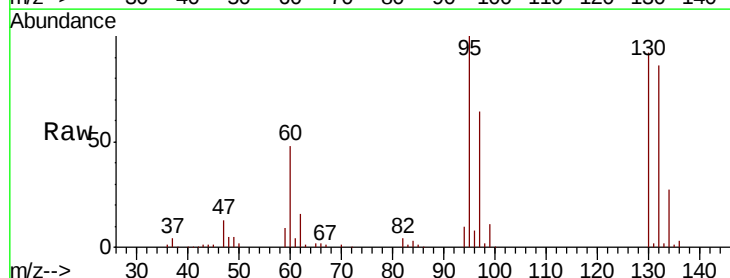
Manual Integrations
APPROVED

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11/9/2018 3:17:47 PM



#44
Trichloroethene
Concen: 48.127 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.7	0.0	219.2





#45

1,2-Dichloropropane

Concen: 49.522 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 150252

Ion Ratio Lower Upper

63 100

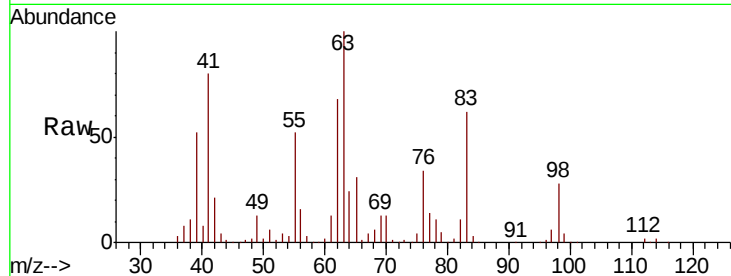
65 30.6 24.4 36.6

Manual Integrations

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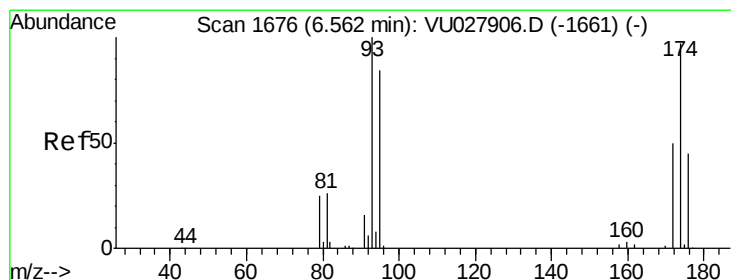
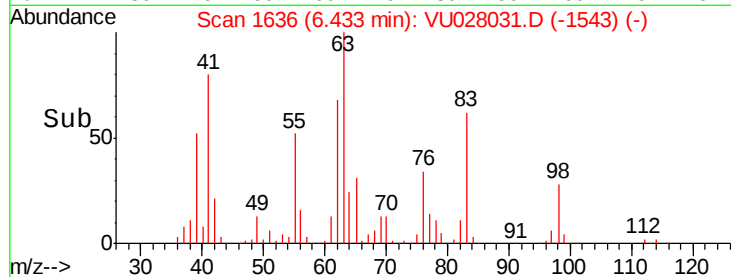
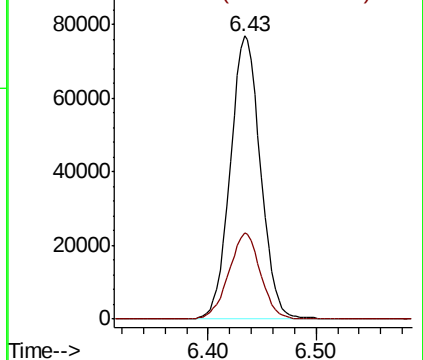
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 49.308 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

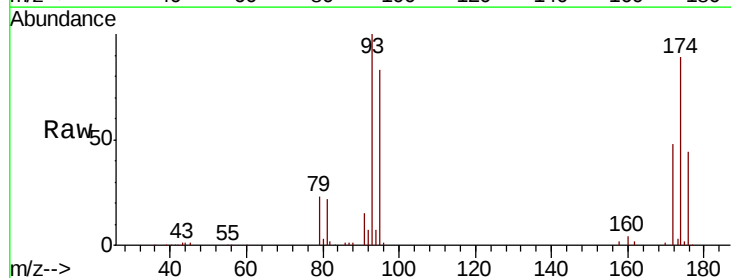
Tgt Ion: 93 Resp: 85992

Ion Ratio Lower Upper

93 100

95 84.0 68.5 102.7

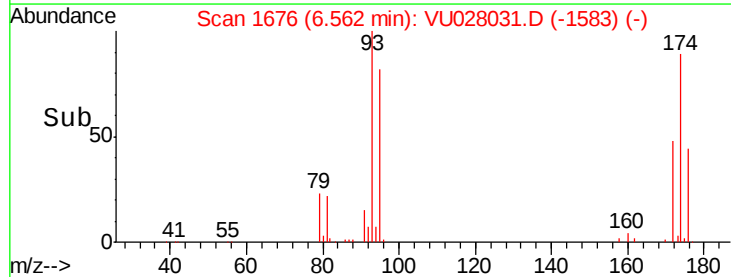
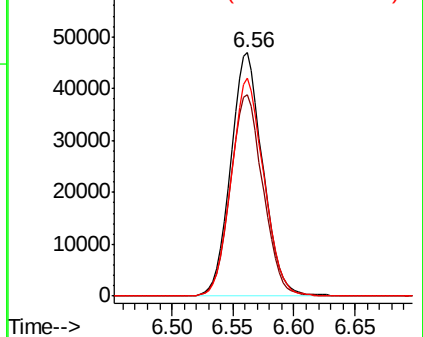
174 90.4 76.1 114.1

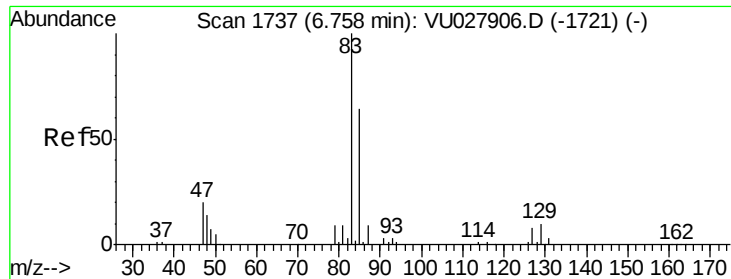


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





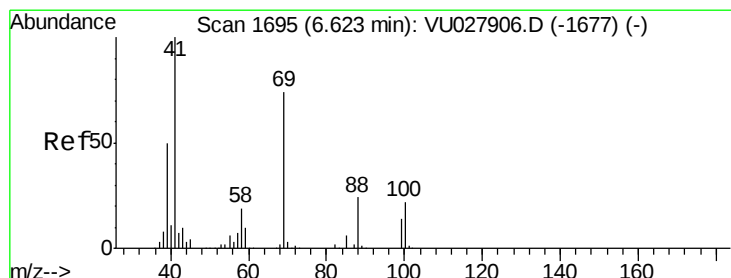
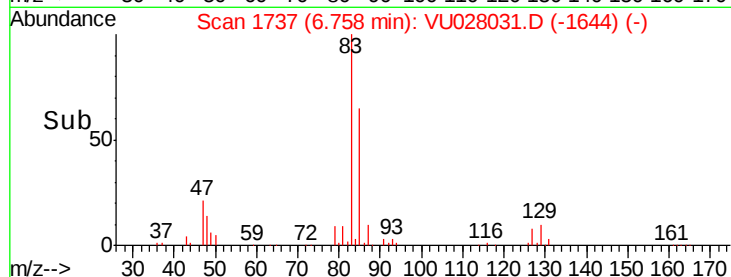
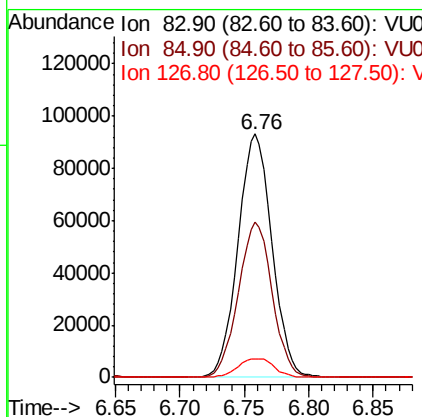
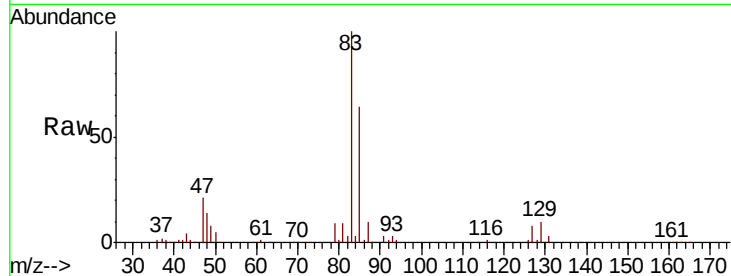
#47
Bromodichloromethane
Concen: 50.892 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.0	76.6
127	7.8	6.2	9.4

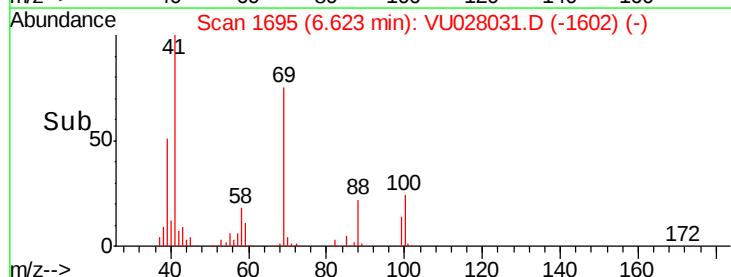
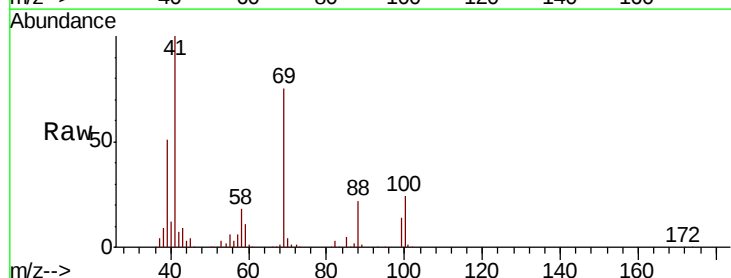
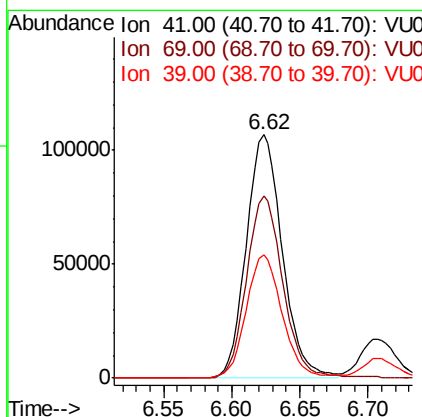
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#48
Methyl methacrylate
Concen: 50.396 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.6	59.8	89.8
39	50.5	40.0	60.0





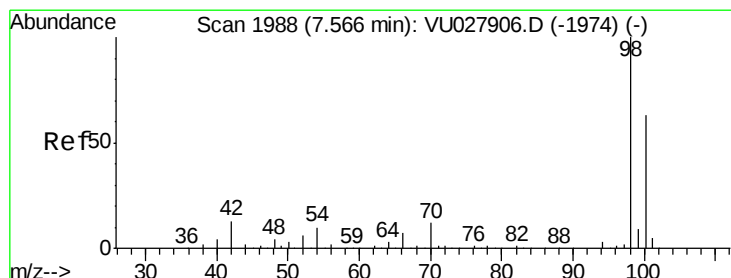
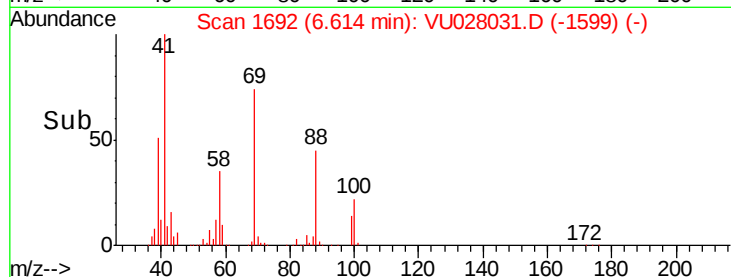
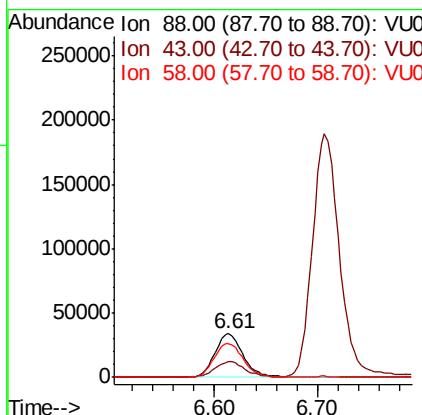
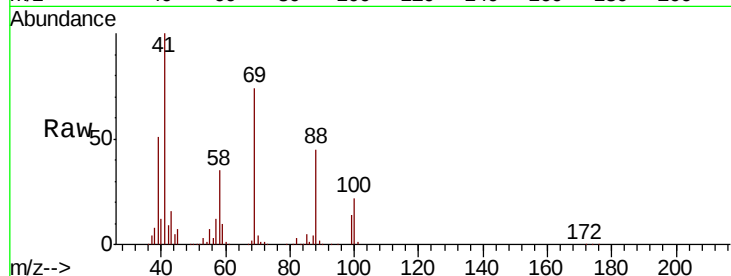
#49
1,4-Dioxane
Concen: 1035.846 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	30.5	45.7
58	79.9	67.1	100.7

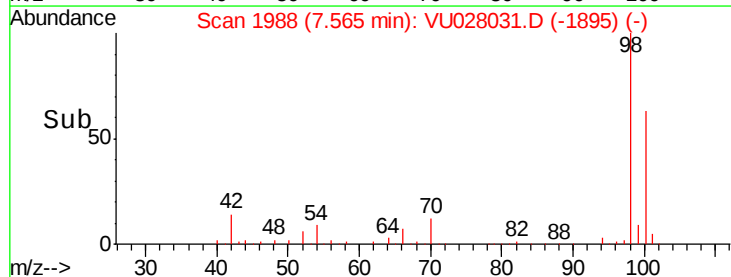
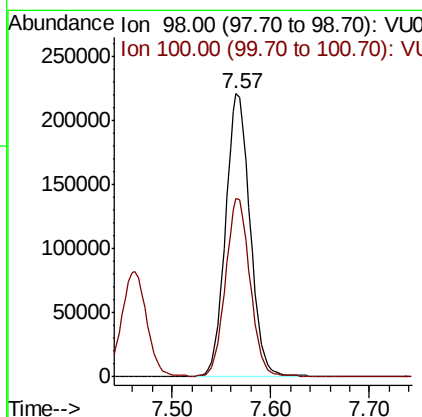
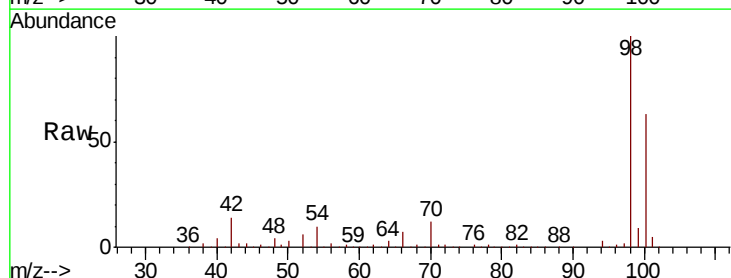
Manual Integrations
APPROVED

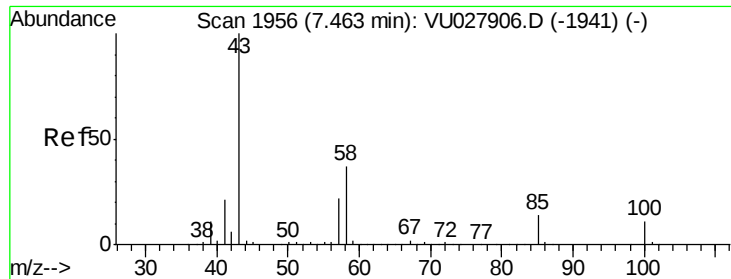
MMDadoda
11/9/2018 3:17:47 PM



#50
Toluene-d8
Concen: 48.217 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 246.467 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1300168

Ion Ratio Lower Upper

43 100

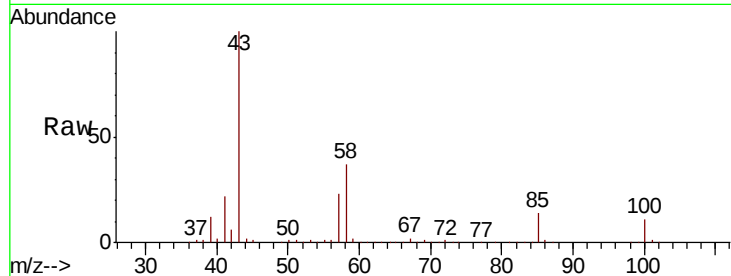
58 37.1 29.5 44.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

800000

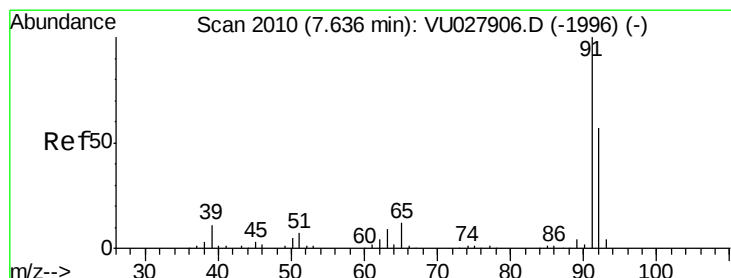
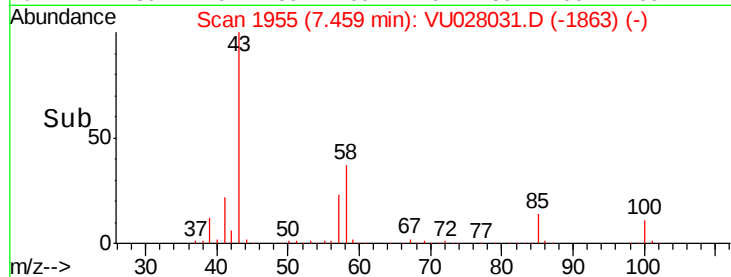
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 47.859 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028031.D

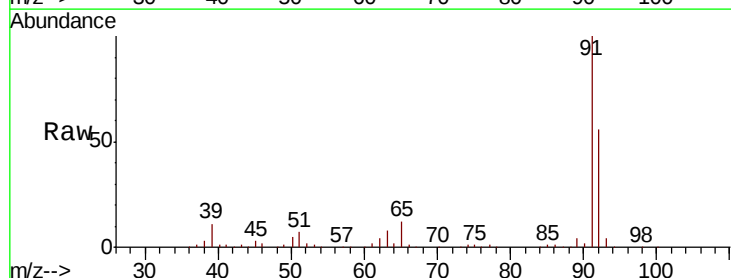
Acq: 08 Nov 2018 17:10

Tgt Ion: 92 Resp: 296005

Ion Ratio Lower Upper

92 100

91 178.2 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

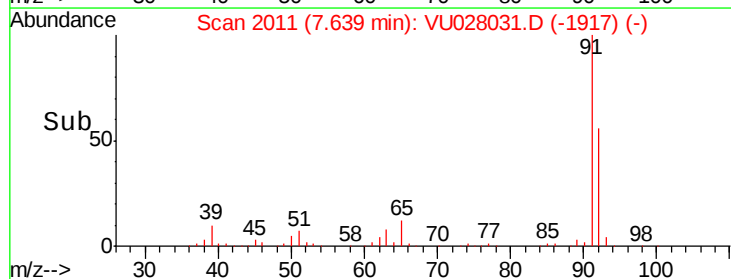
300000

200000

100000

0

Time-->





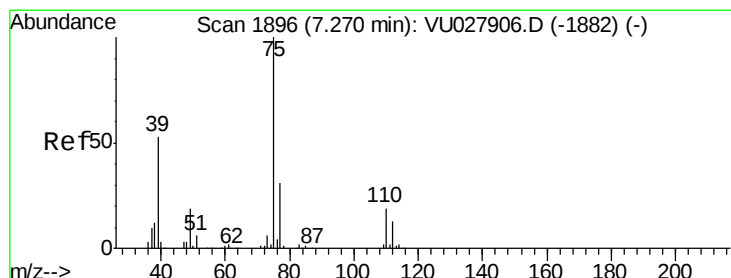
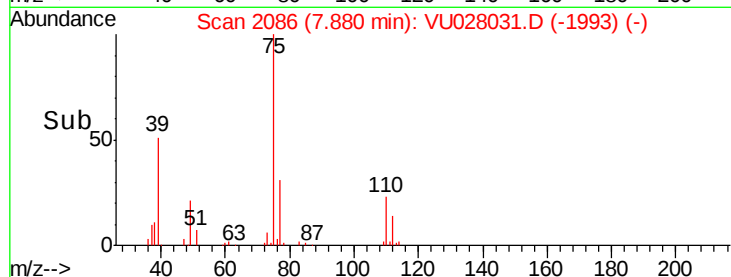
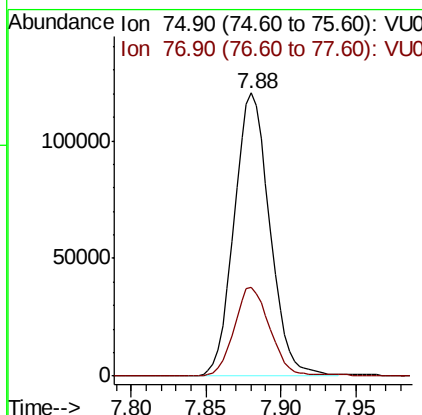
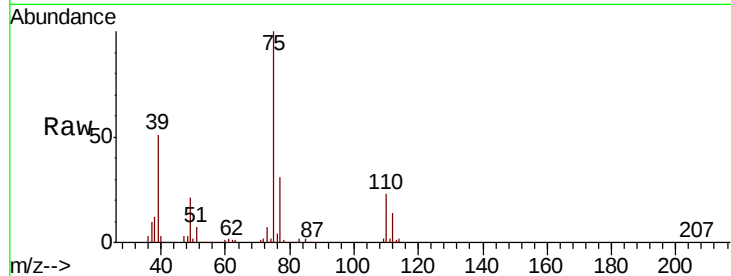
#53
t-1,3-Dichloropropene
Concen: 47.938 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7

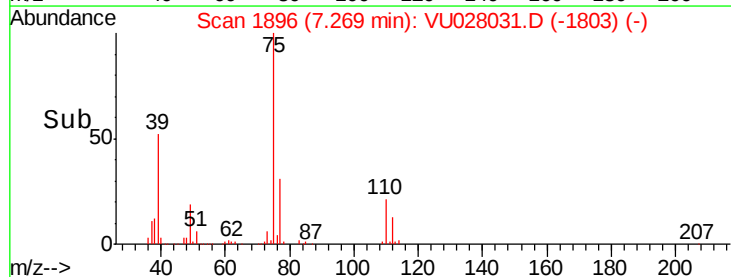
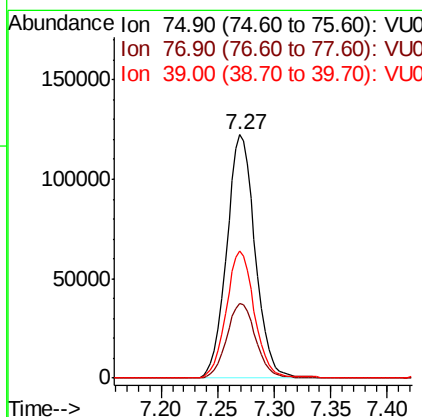
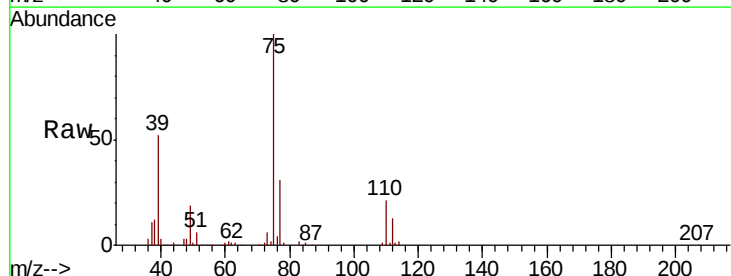
Manual Integrations
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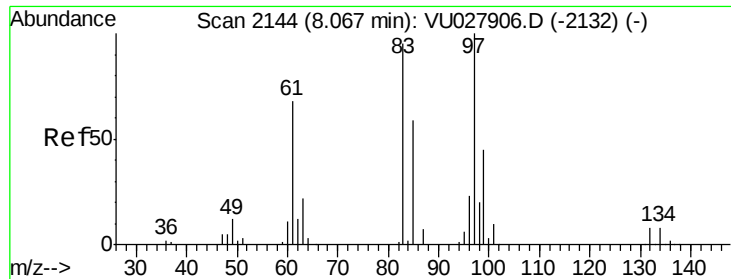
MMDadoda
11/9/2018 3:17:47 PM



#54
cis-1,3-Dichloropropene
Concen: 51.678 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.6	37.0
39	52.2	42.6	64.0





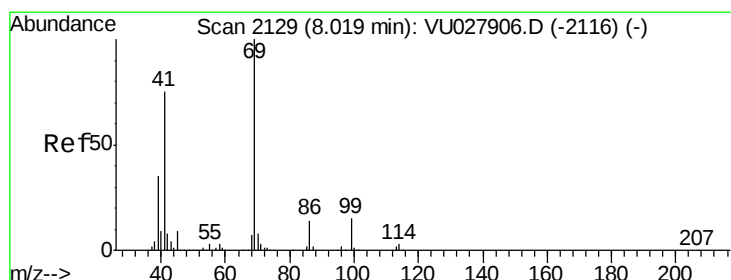
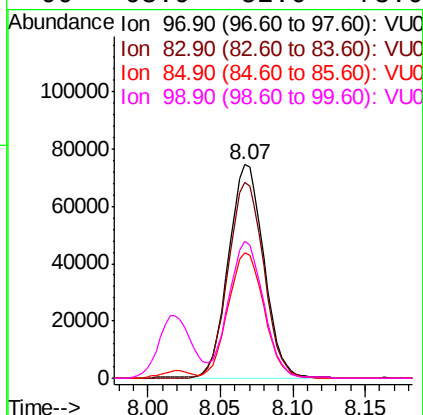
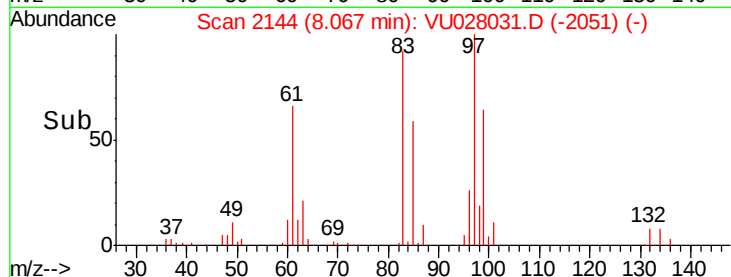
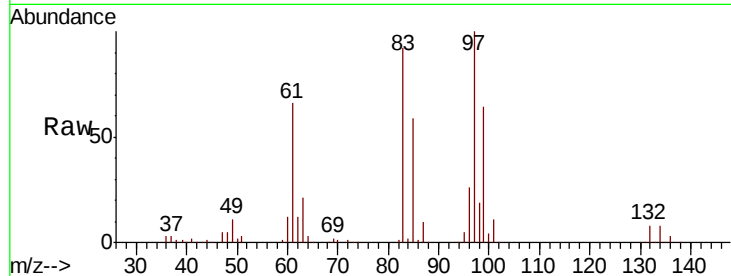
#55
 1,1,2-Trichloroethane
 Concen: 49.953 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		125696		
83	92.0	76.1	114.1		
85	58.6	48.9	73.3		
99	63.9	52.0	78.0		

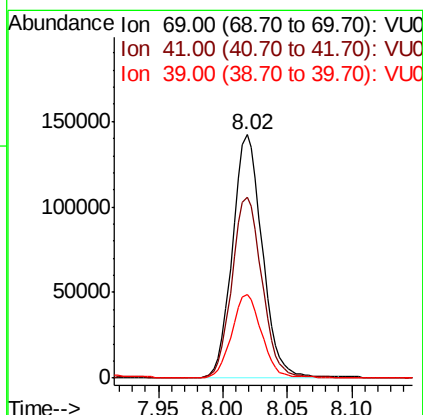
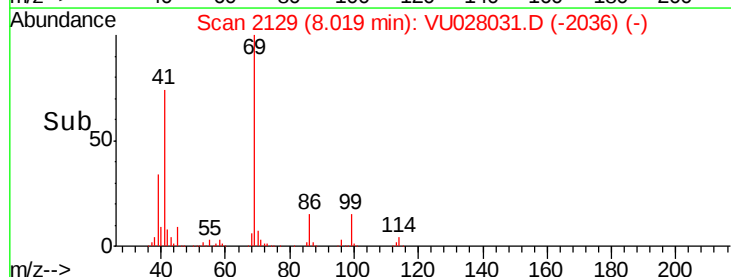
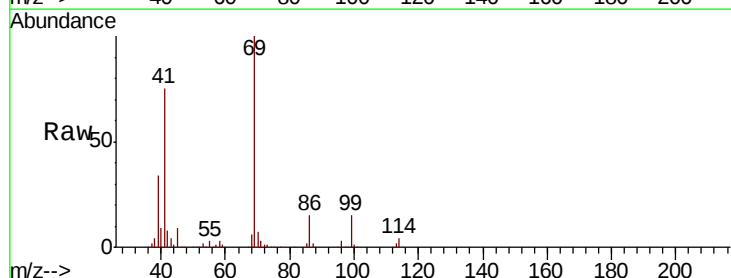
Manual Integrations
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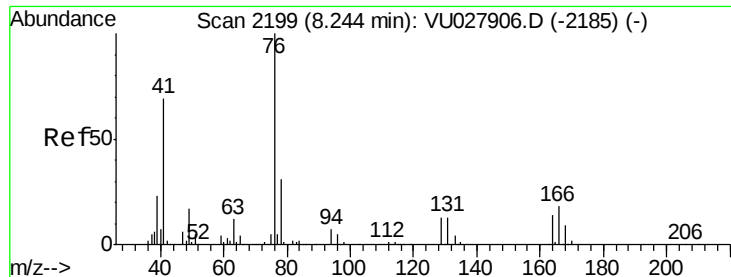
MMDadoda
 11/9/2018 3:17:47 PM



#56
 Ethyl methacrylate
 Concen: 51.591 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		228932		
41	75.4	59.8	89.6		
39	34.4	28.6	42.8		





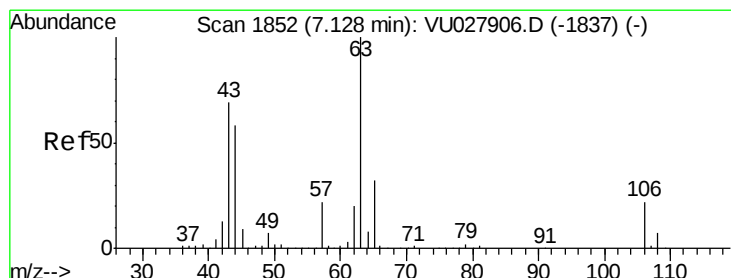
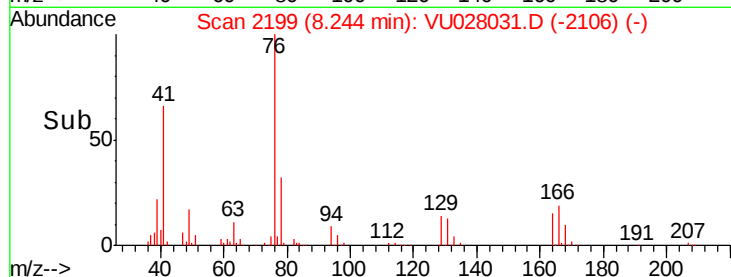
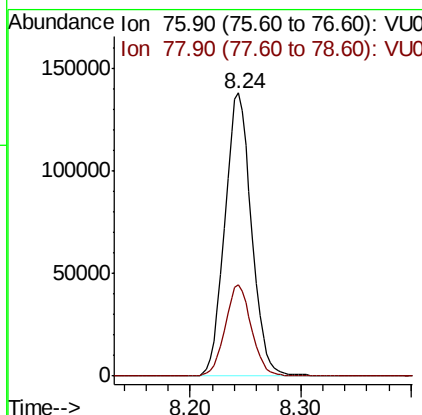
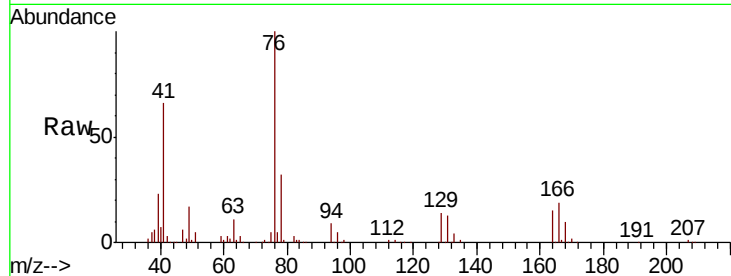
#57
 1,3-Dichloropropane
 Concen: 50.415 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 231087
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.3 37.9

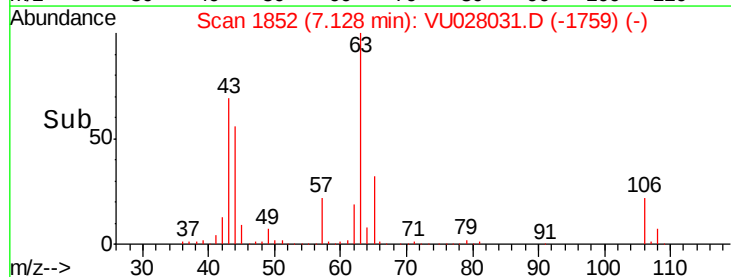
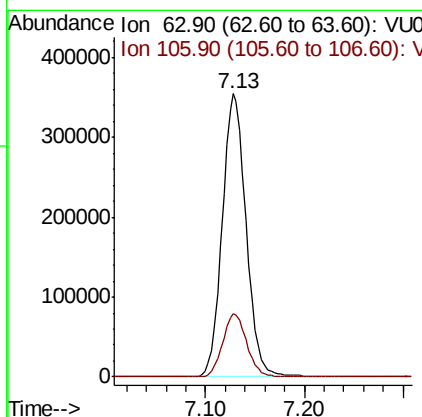
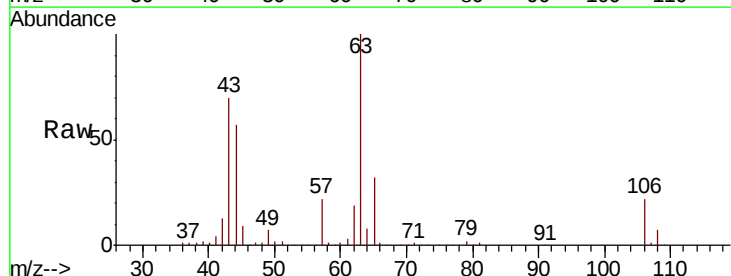
Manual Integrations
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 11/9/2018 3:17:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.408 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Tgt Ion: 63 Resp: 602246
 Ion Ratio Lower Upper
 63 100
 106 22.5 17.8 26.6





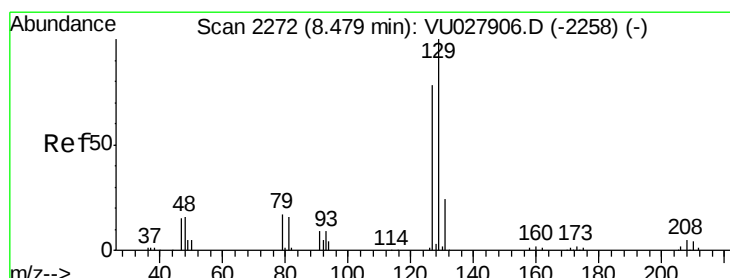
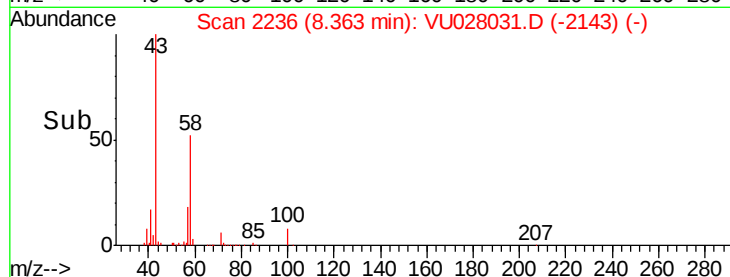
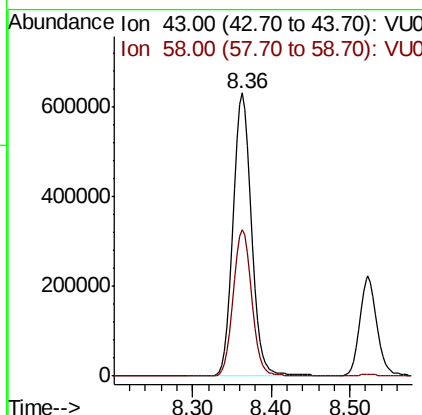
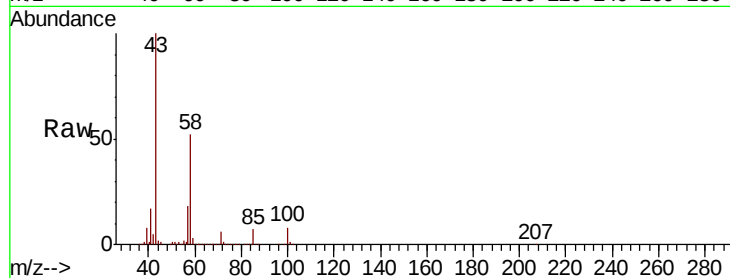
#59
2-Hexanone
Concen: 249.576 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1018278
Ion Ratio Lower Upper
43 100
58 52.1 25.8 77.3

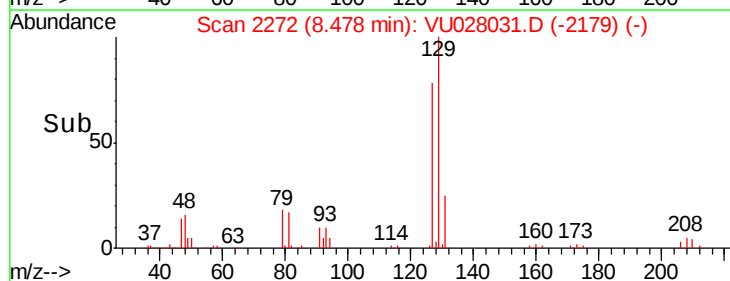
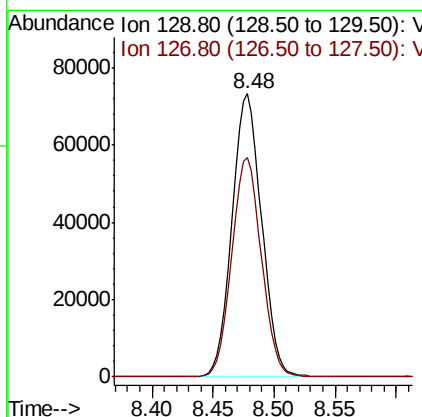
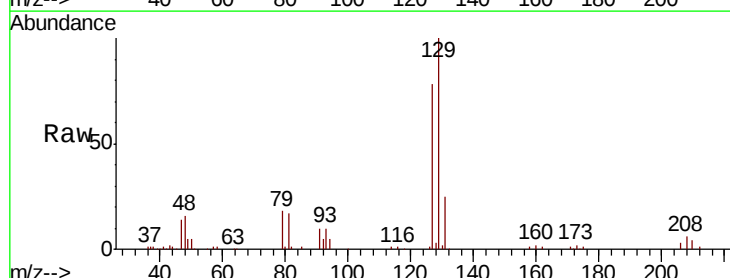
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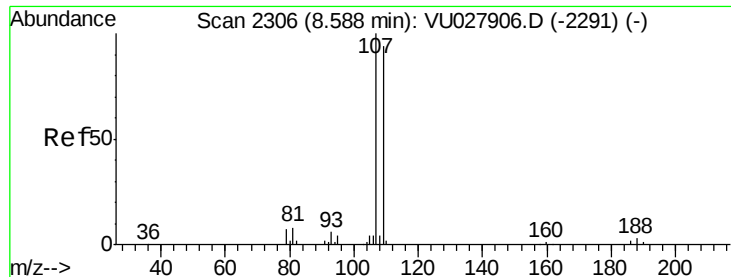
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#60
Dibromochloromethane
Concen: 52.054 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion: 129 Resp: 123947
Ion Ratio Lower Upper
129 100
127 77.2 39.2 117.6





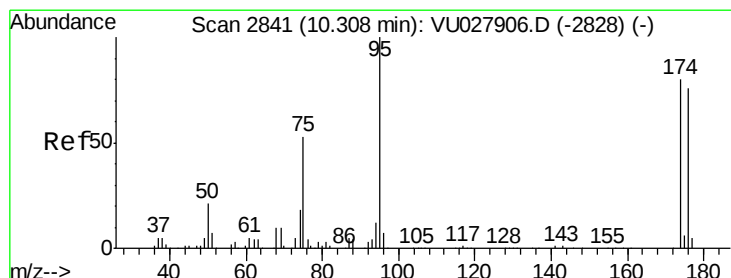
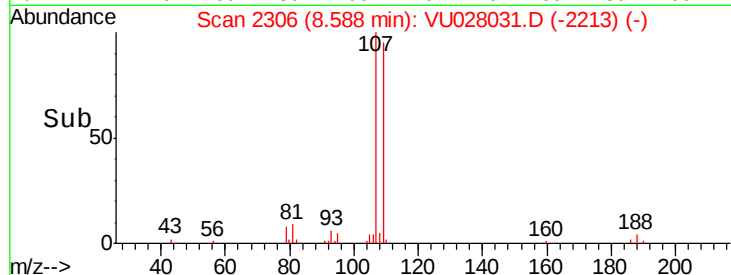
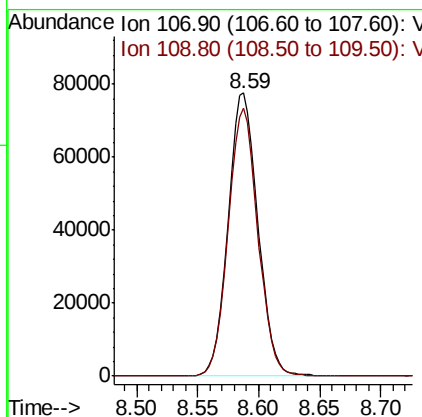
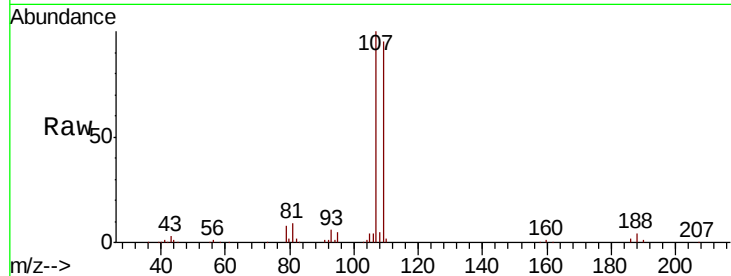
#61
 1,2-Dibromoethane
 Concen: 49.610 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.8	110.8

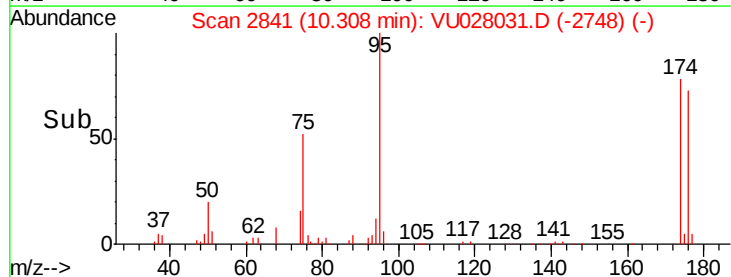
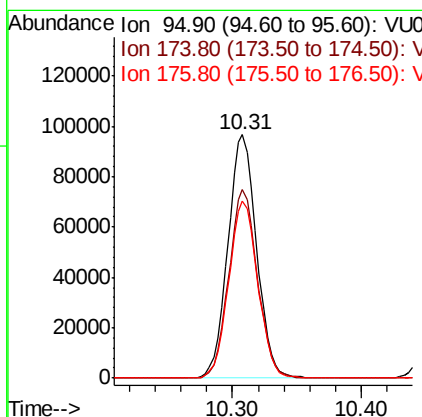
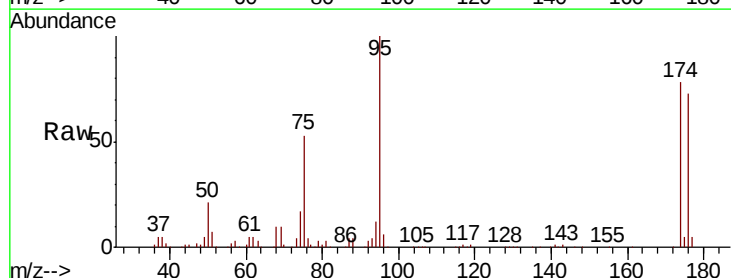
Manual Integrations
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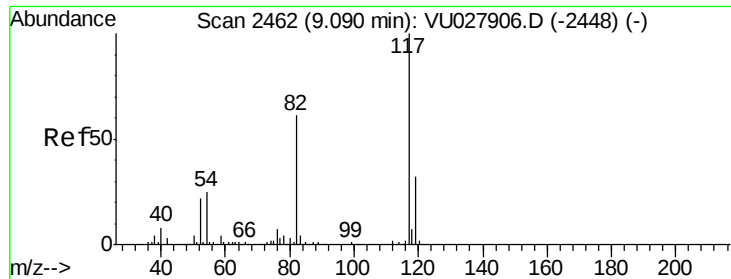
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#62
 4-Bromofluorobenzene
 Concen: 50.432 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	156.4
176	73.9	0.0	150.8





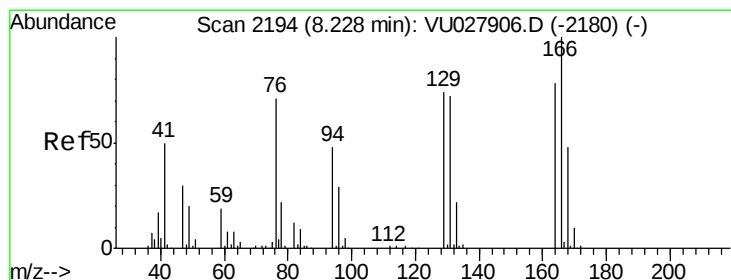
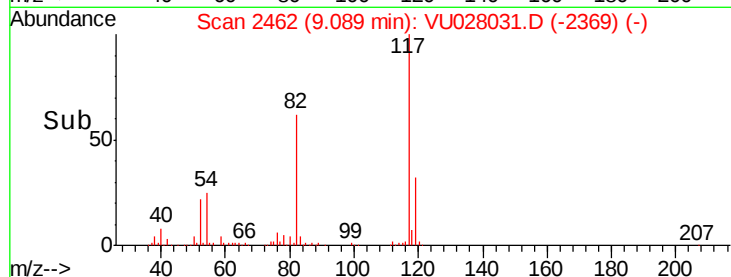
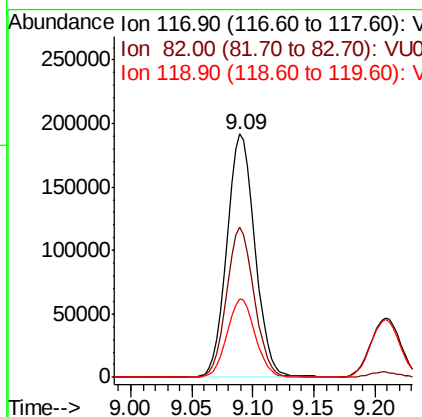
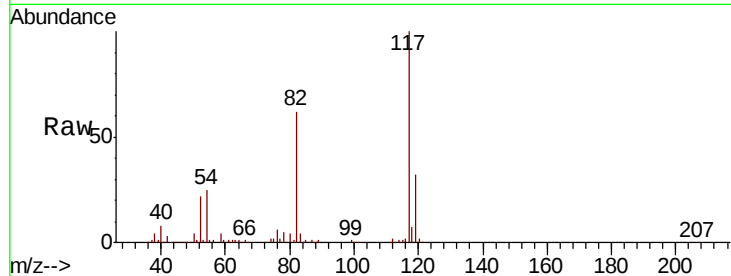
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	48.6	73.0
119	32.0	25.8	38.8

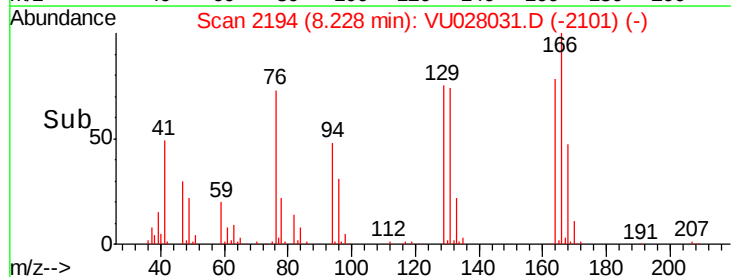
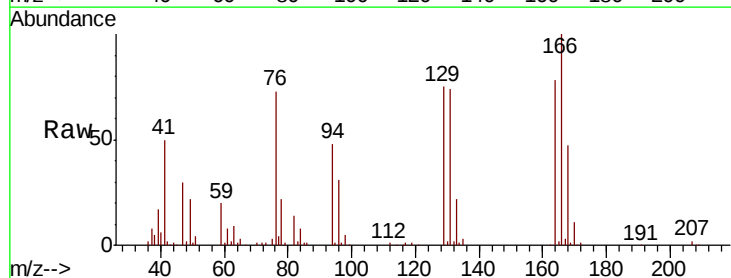
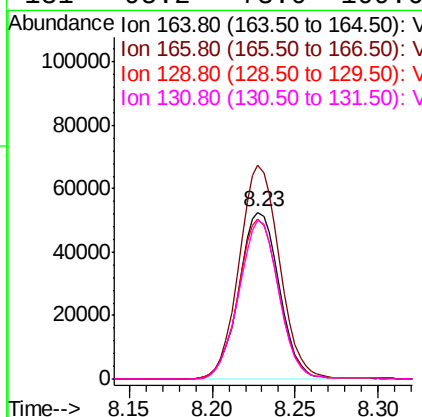
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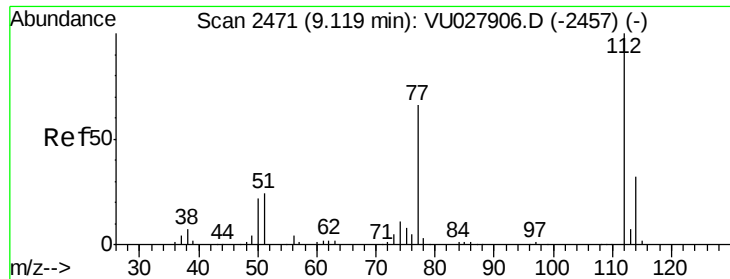
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#64
Tetrachloroethene
Concen: 44.353 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	102.1	153.1
129	95.7	75.9	113.9
131	95.2	73.0	109.6





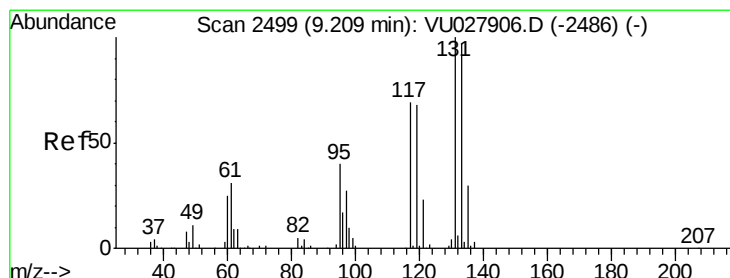
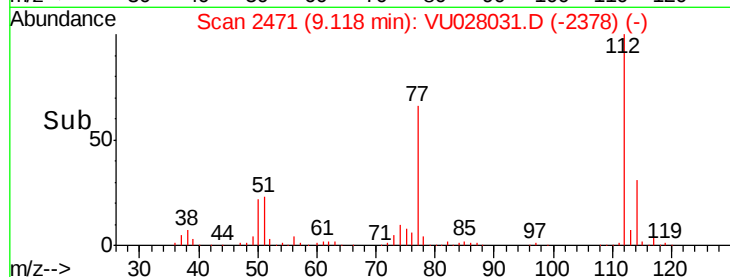
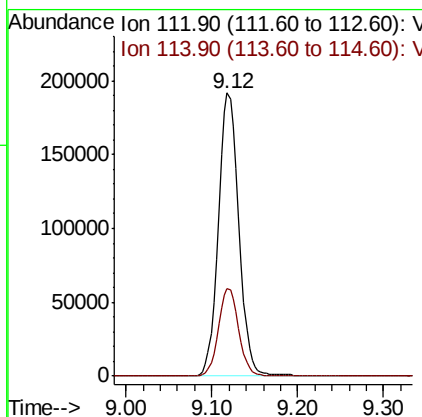
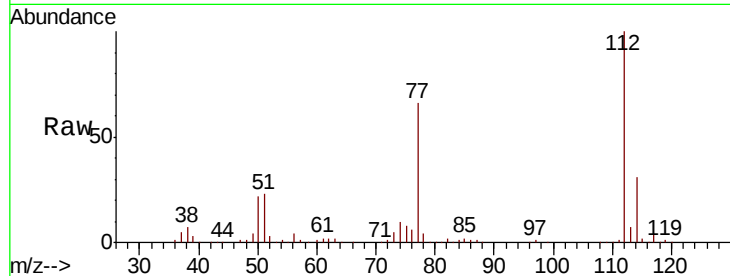
#65
Chlorobenzene
Concen: 48.428 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 317662
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8

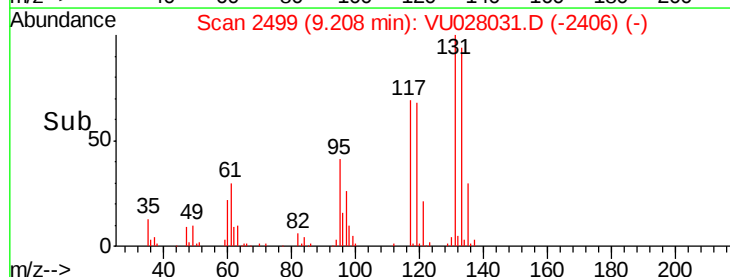
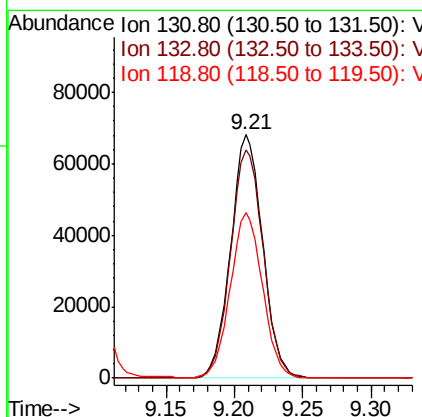
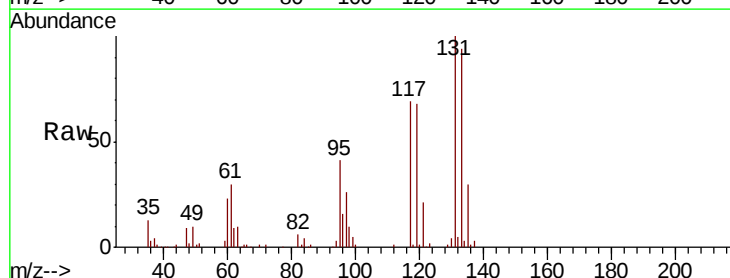
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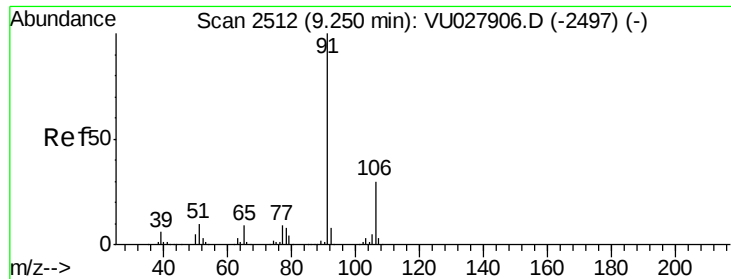
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.583 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion:131 Resp: 111090
Ion Ratio Lower Upper
131 100
133 95.5 48.1 144.4
119 67.8 34.0 101.8





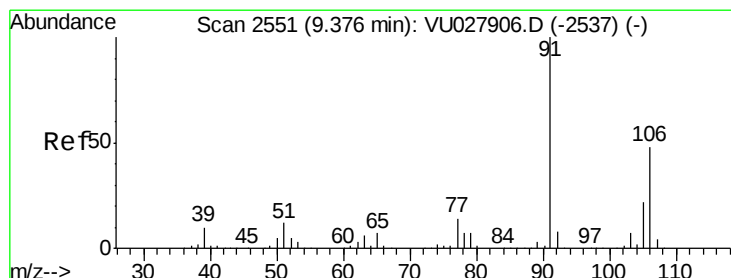
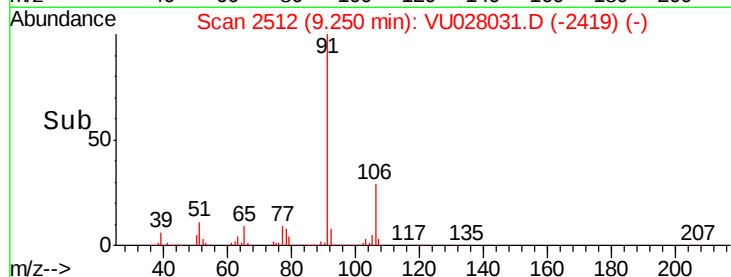
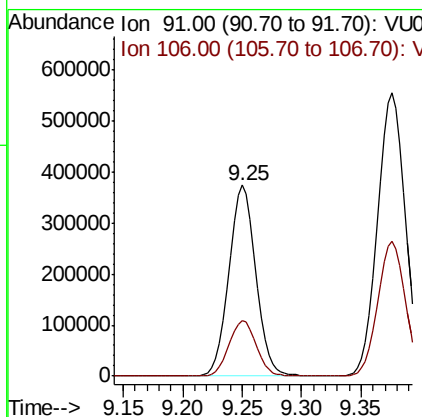
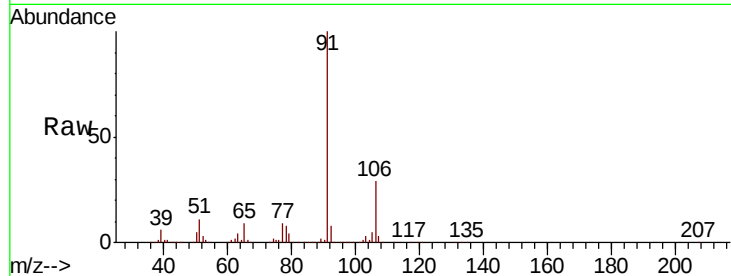
#67
Ethyl Benzene
Concen: 48.520 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 585823
Ion Ratio Lower Upper
91 100
106 29.1 23.6 35.4

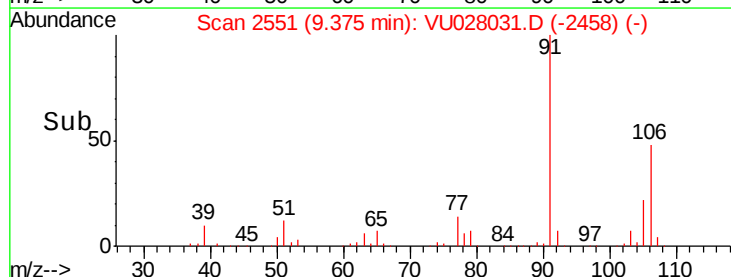
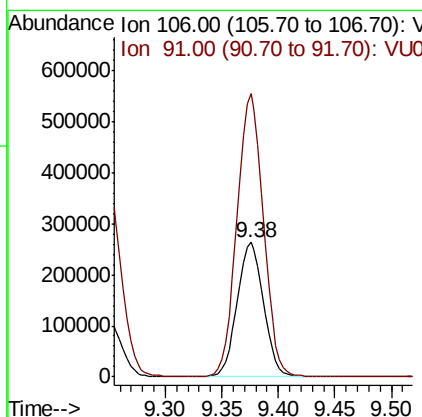
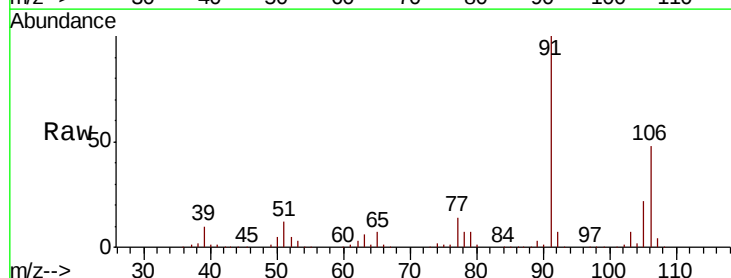
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#68
m/p-Xylenes
Concen: 97.612 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion: 106 Resp: 427625
Ion Ratio Lower Upper
106 100
91 212.0 168.2 252.4





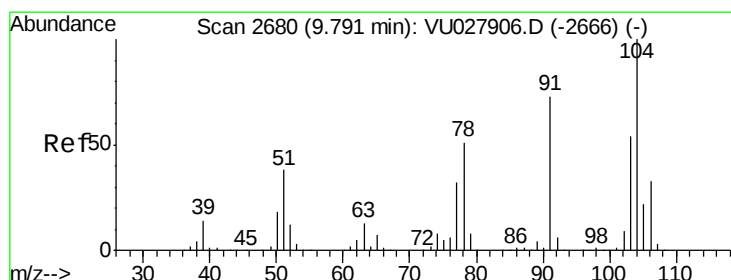
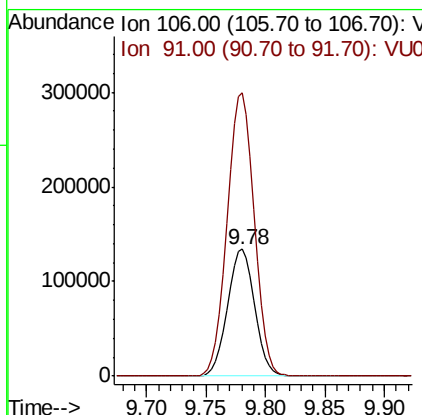
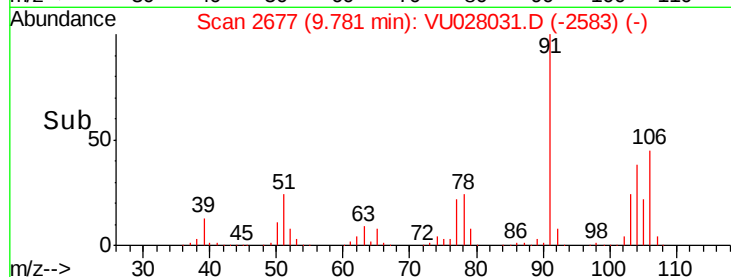
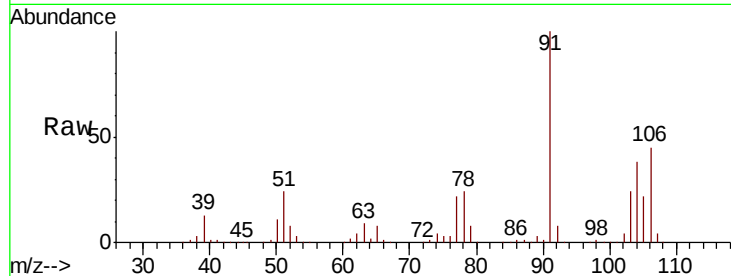
#69
o-Xylene
Concen: 47.847 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 211664
Ion Ratio Lower Upper
106 100
91 223.3 111.1 333.4

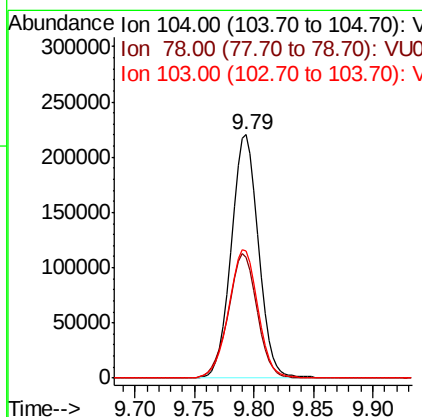
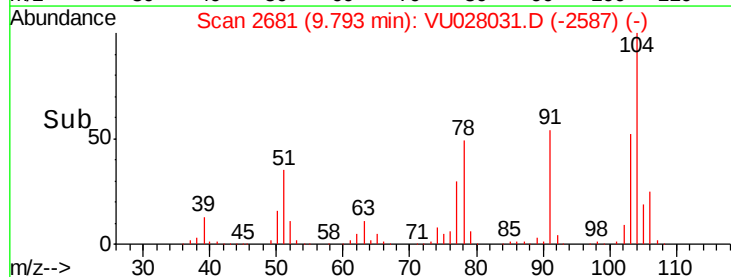
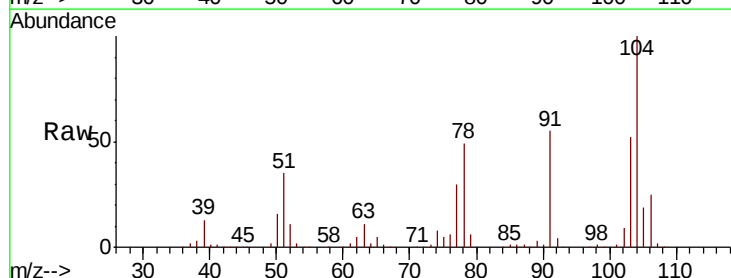
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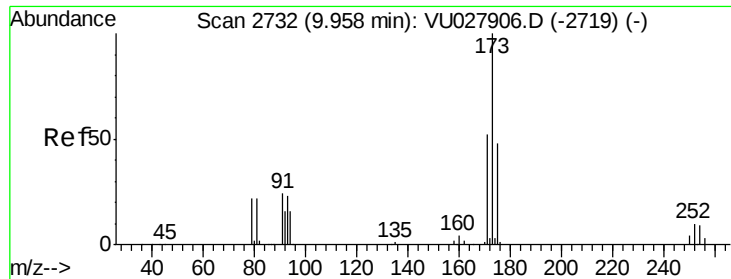
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#70
Styrene
Concen: 49.535 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion:104 Resp: 350132
Ion Ratio Lower Upper
104 100
78 54.2 43.0 64.4
103 56.6 45.1 67.7





#71

Bromoform

Concen: 50.872 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

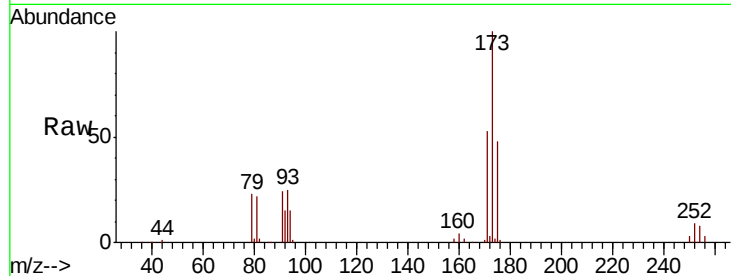
ClientSampleId :

VSTDCCC050EC

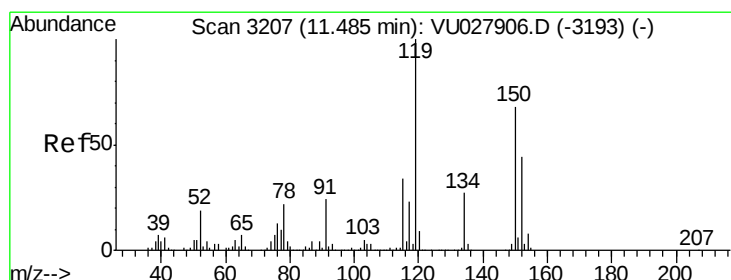
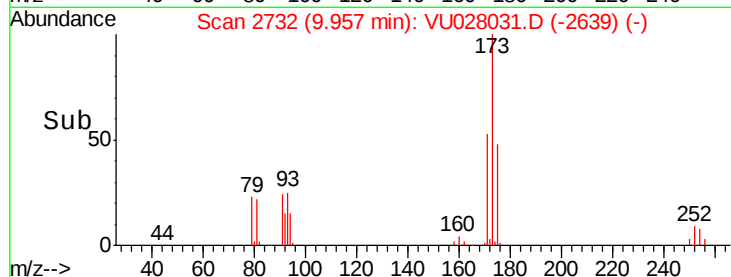
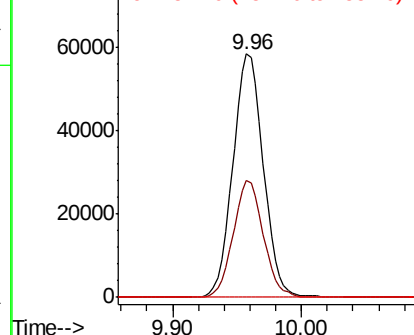
Tot Ion:	173	Resp:	95521
Ion Ratio	Lower	Upper	
173	100		
175	47.5	24.3	72.8
254	0.0	0.0	0.0

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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

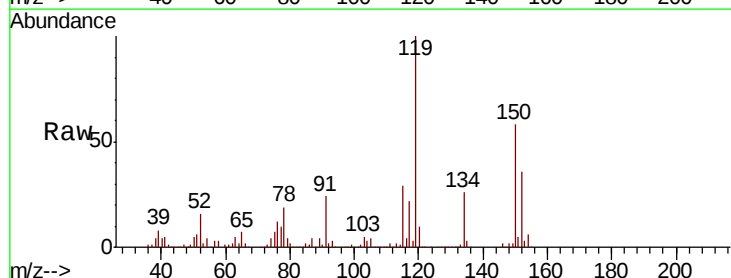
RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

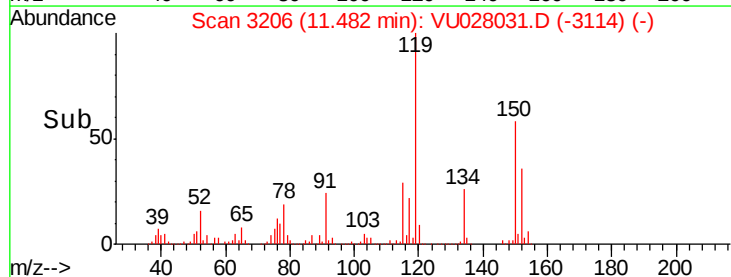
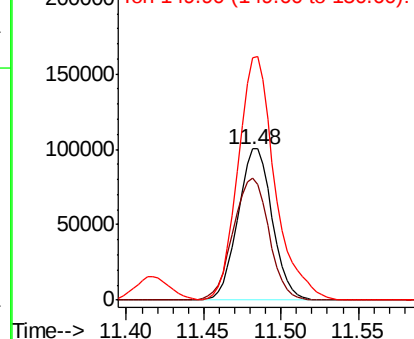
Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Tgt Ion:	152	Resp:	154274
Ion Ratio	Lower	Upper	
152	100		
115	84.3	43.0	129.0
150	172.7	0.0	349.4



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: 48.239 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 576521

Ion Ratio Lower Upper

105 100

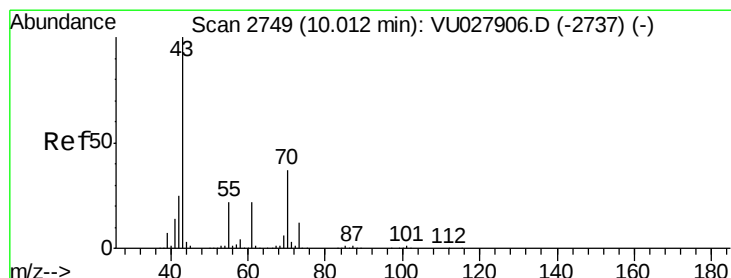
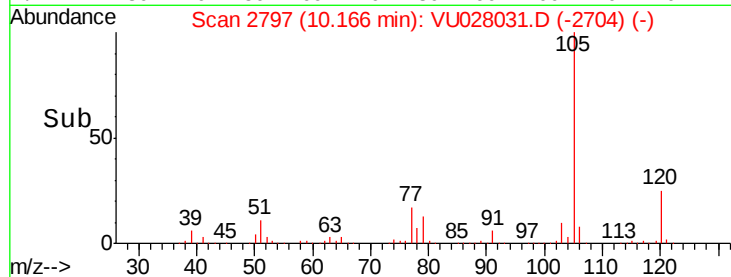
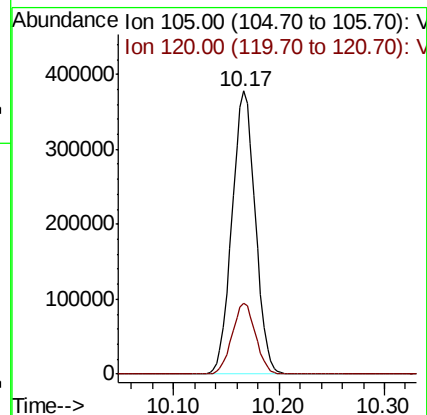
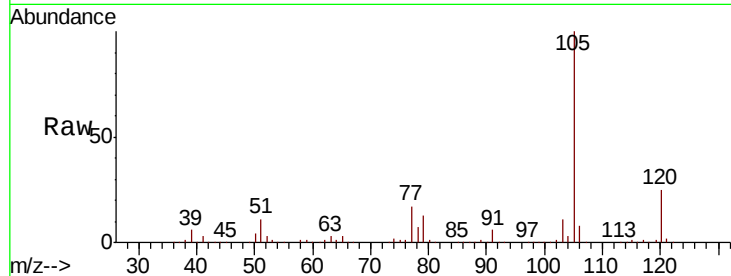
120 25.1 12.7 38.0

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#74

N-ethyl acetate

Concen: 48.883 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Tgt Ion: 43 Resp: 353269

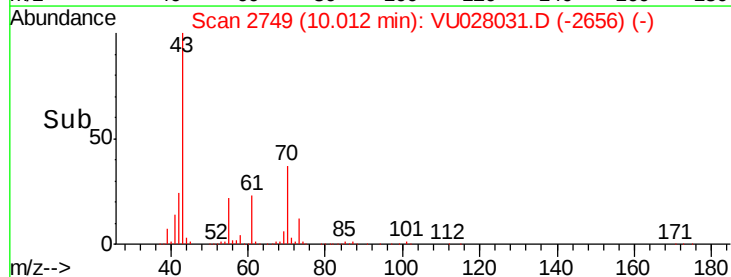
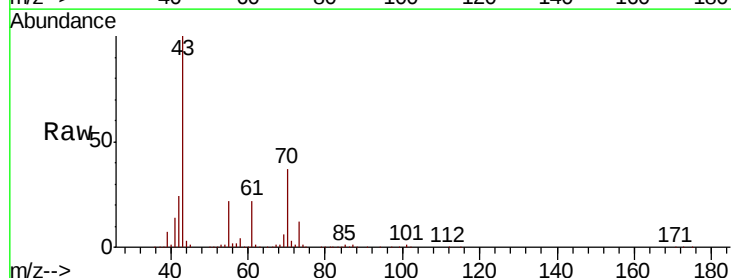
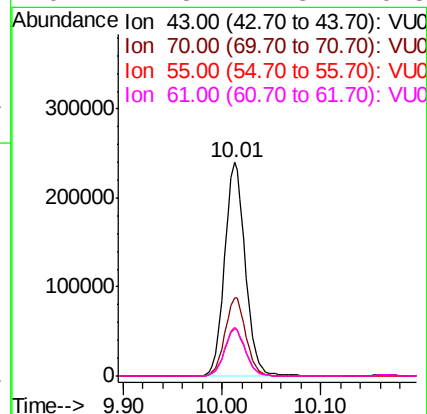
Ion Ratio Lower Upper

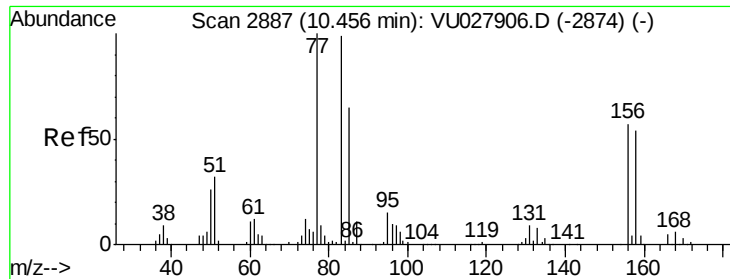
43 100

70 37.2 29.2 43.8

55 22.6 17.8 26.6

61 22.8 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.041 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 231600

Ion Ratio Lower Upper

83 100

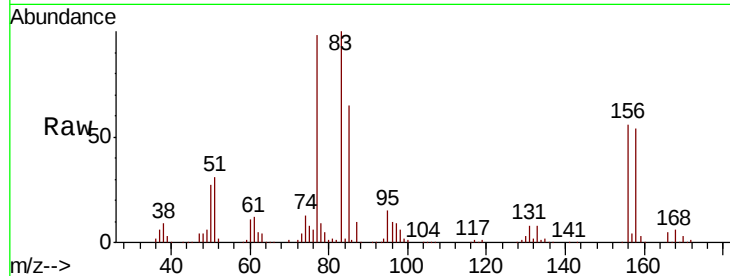
131 8.2 4.3 13.1

85 64.3 32.4 97.2

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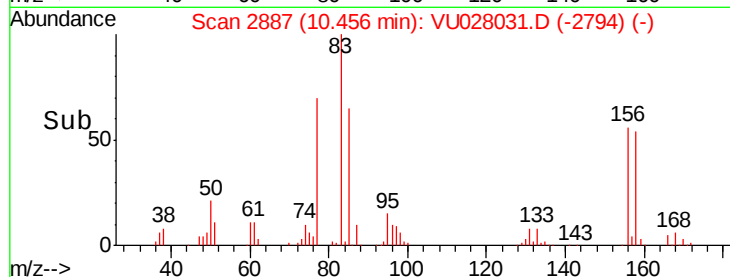


Abundance Ion 82.90 (82.60 to 83.60): VU027906.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027906.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-2874) (-)

Time-->

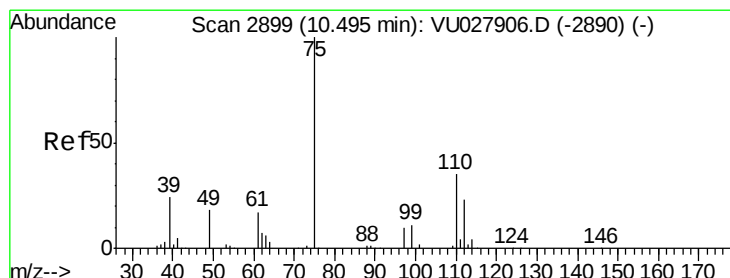


Abundance Ion 82.90 (82.60 to 83.60): VU028031.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028031.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028031.D (-2794) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 55.148 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028031.D

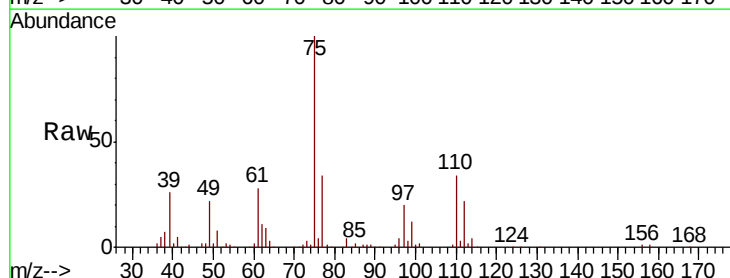
Acq: 08 Nov 2018 17:10

Tgt Ion: 75 Resp: 232714

Ion Ratio Lower Upper

75 100

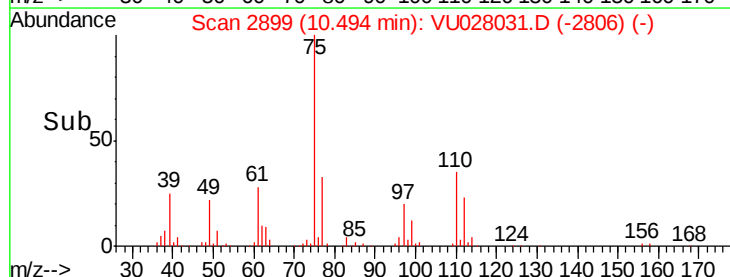
77 37.5 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027906.D (-2890) (-)

Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU028031.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU028031.D (-2806) (-)

Time-->



#77

Bromobenzene

Concen: 48.908 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

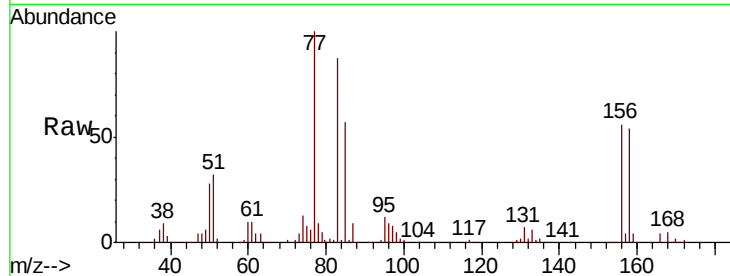
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	134032
Ion Ratio	Lower	Upper	
156	100		
77	182.6	91.8	275.6
158	96.6	48.4	145.2

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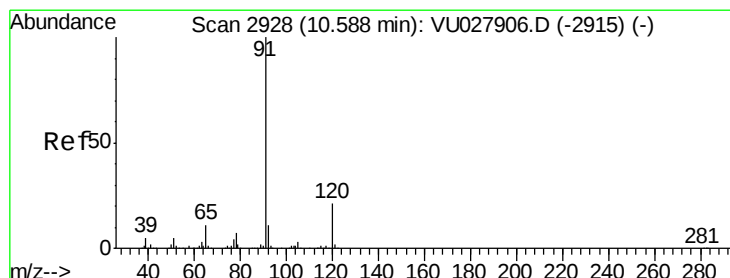
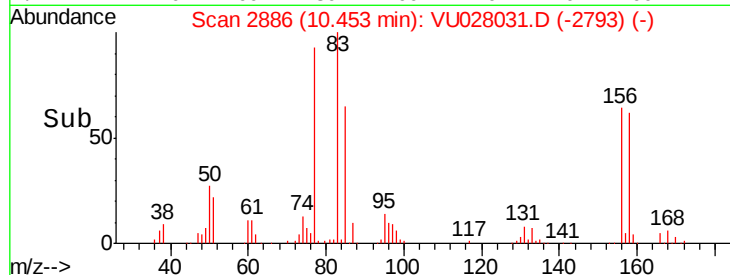
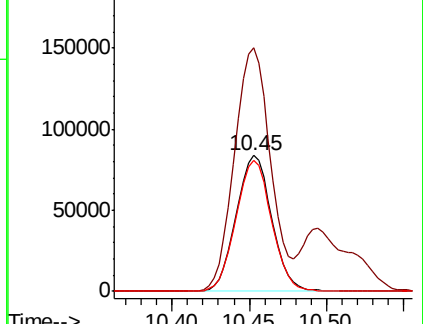
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.029 ug/l

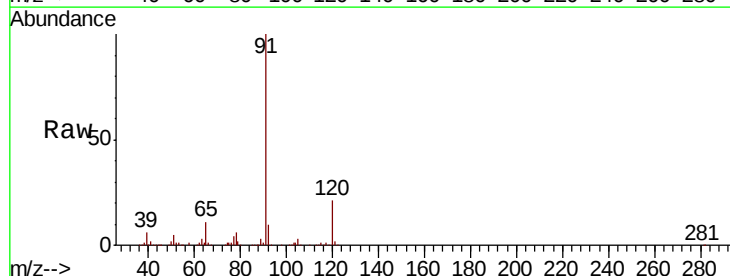
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU028031.D

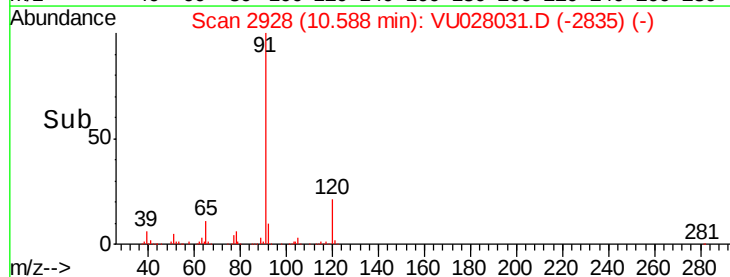
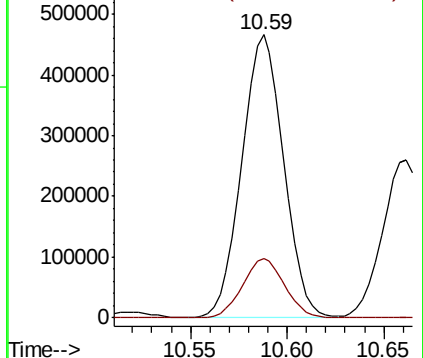
Acq: 08 Nov 2018 17:10

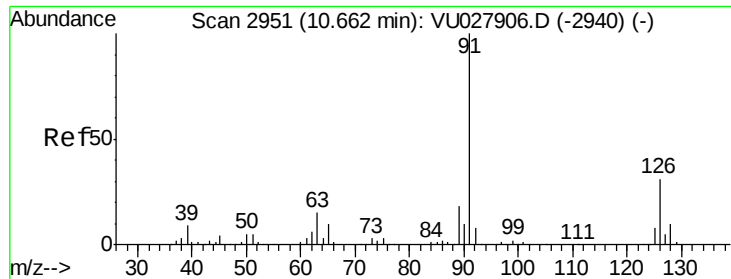
Tgt Ion:	91	Resp:	701404
Ion Ratio	Lower	Upper	
91	100		
120	21.2	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.156 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 404359

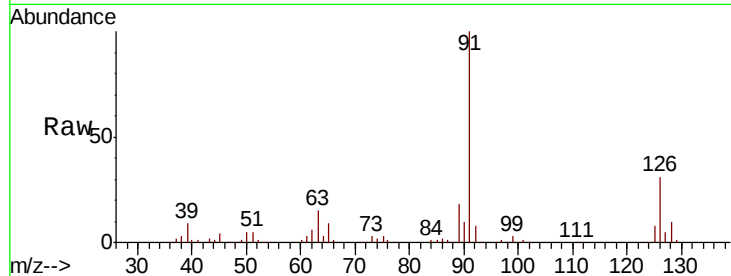
Ion Ratio Lower Upper

91 100

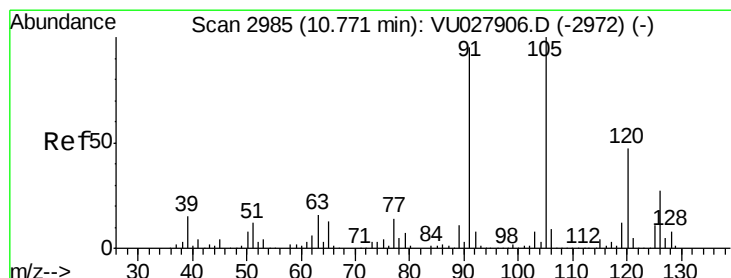
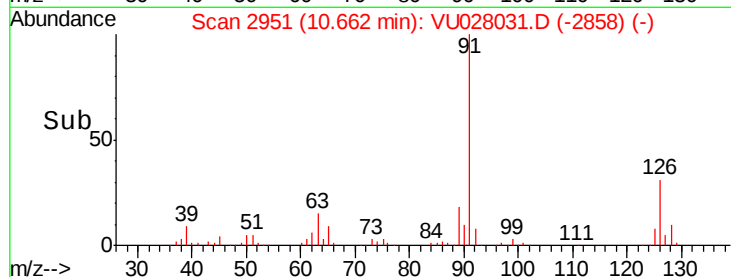
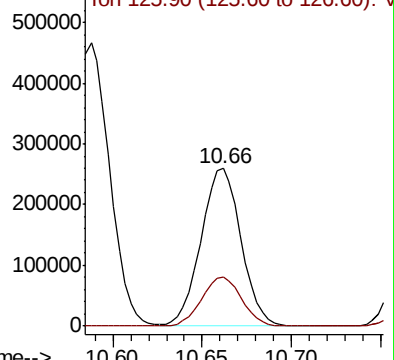
126 31.3 16.0 47.9

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Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-2940) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.529 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028031.D

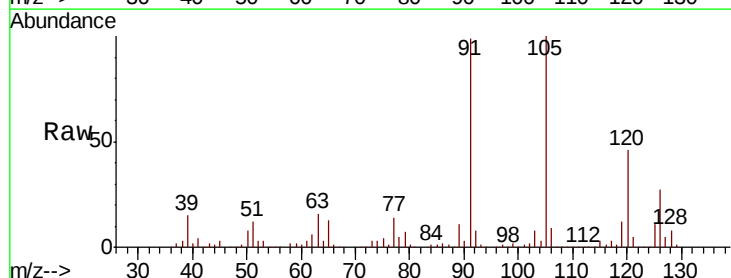
Acq: 08 Nov 2018 17:10

Tgt Ion: 105 Resp: 480462

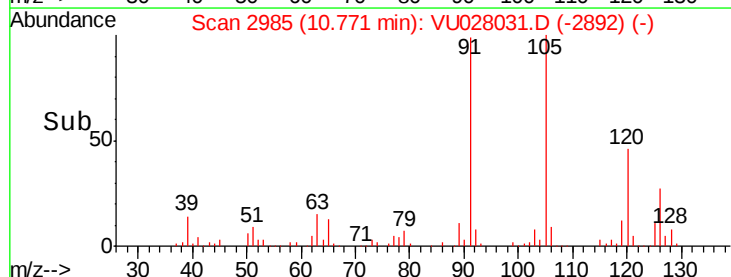
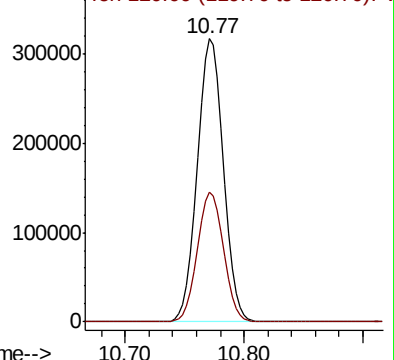
Ion Ratio Lower Upper

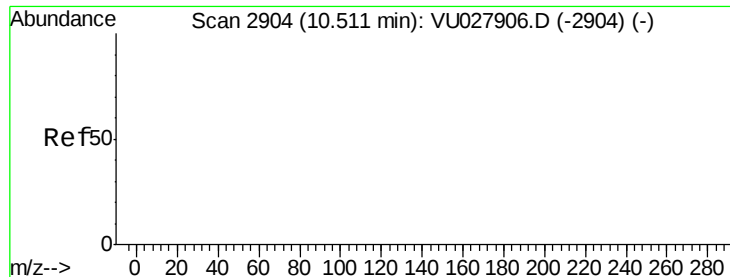
105 100

120 46.2 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VU027906.D (-2972) (-)





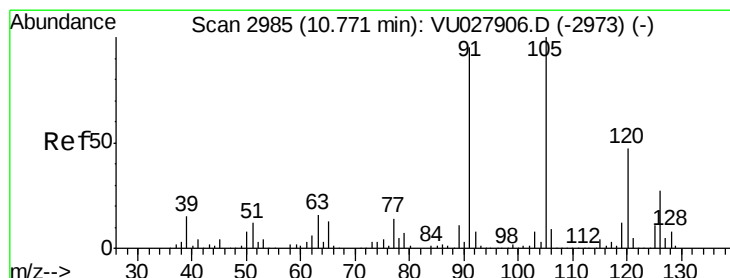
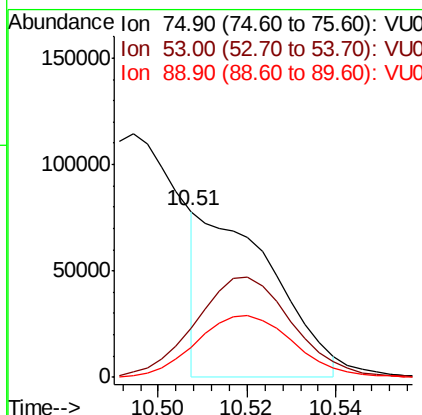
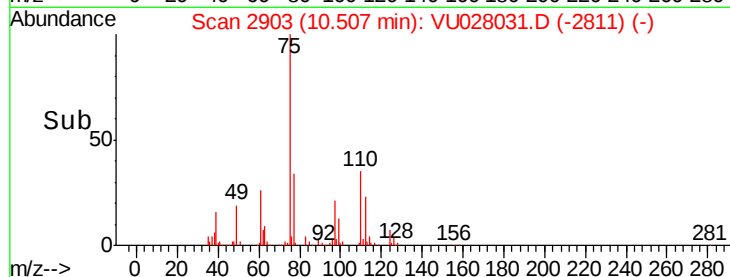
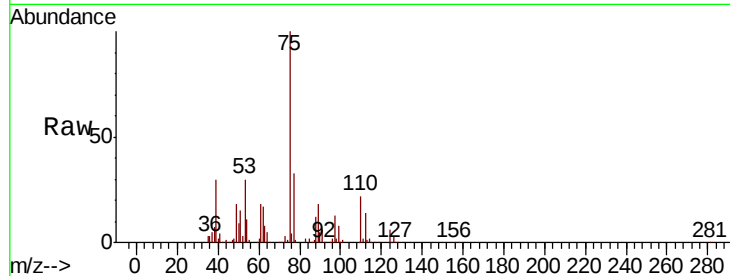
#81
trans-1,4-Dichloro-2-butene
Concen: 53.633 ug/l m
RT: 10.51 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

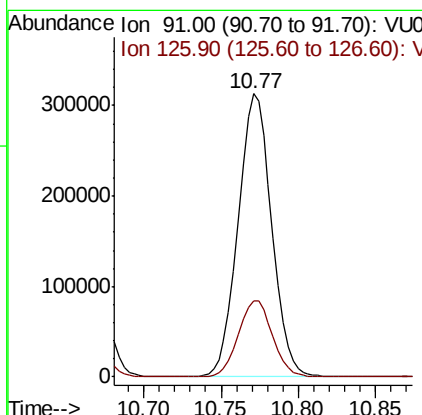
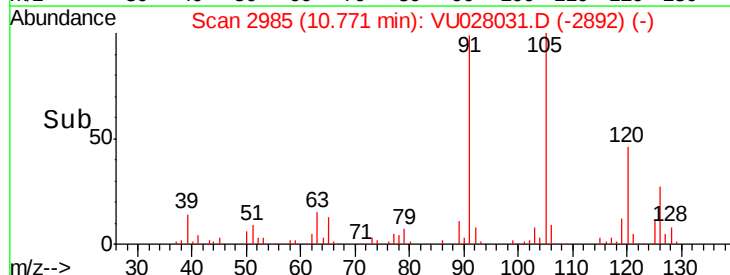
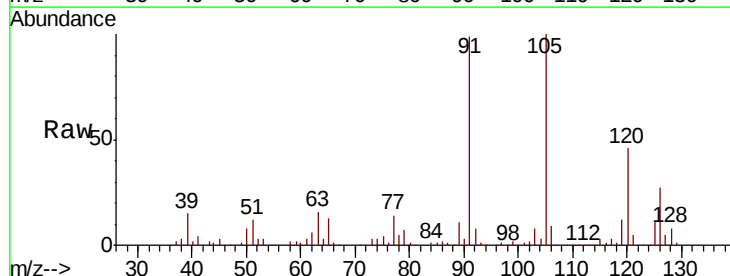
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#82
4-Chlorotoluene
Concen: 48.089 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.2	42.6





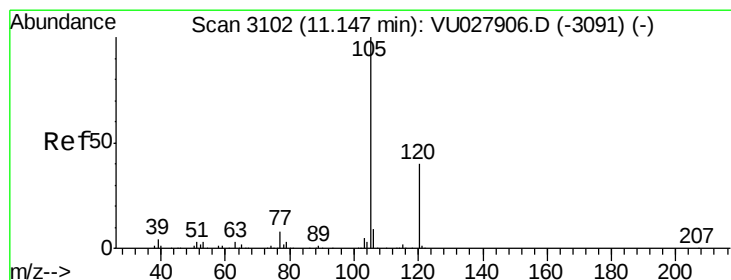
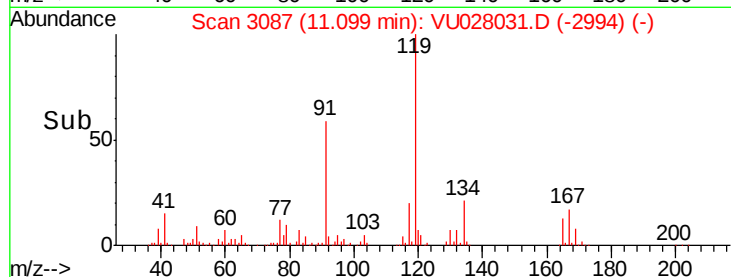
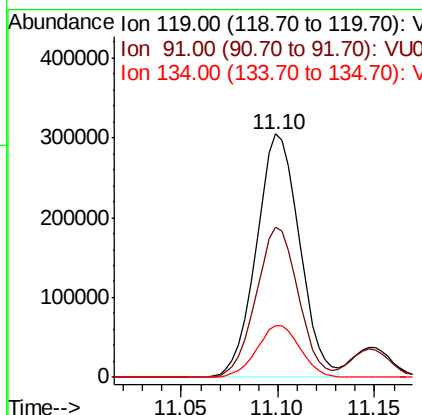
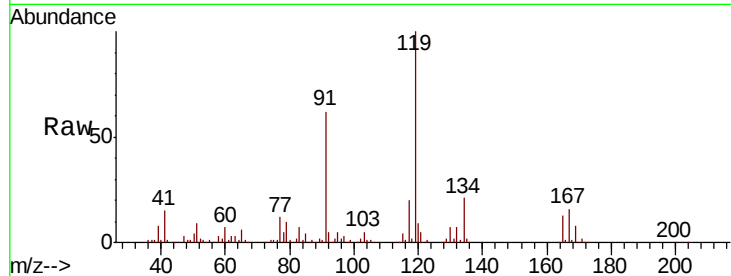
#83
 tert-Butylbenzene
 Concen: 47.882 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	29.8	89.3
134	21.4	11.1	33.1

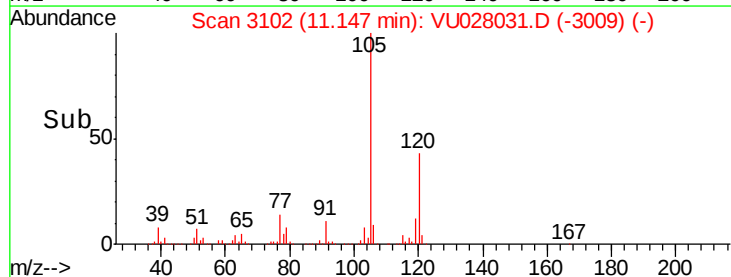
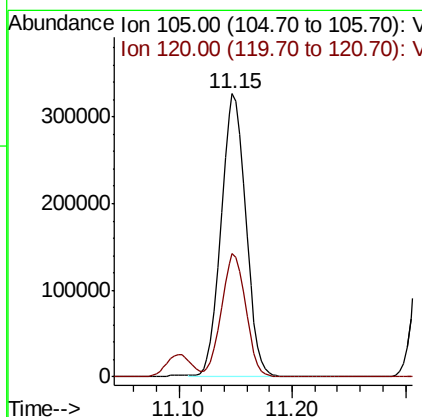
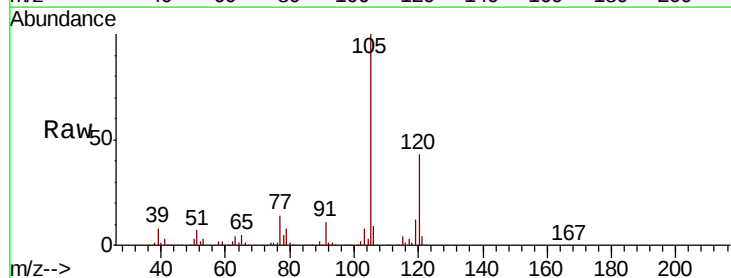
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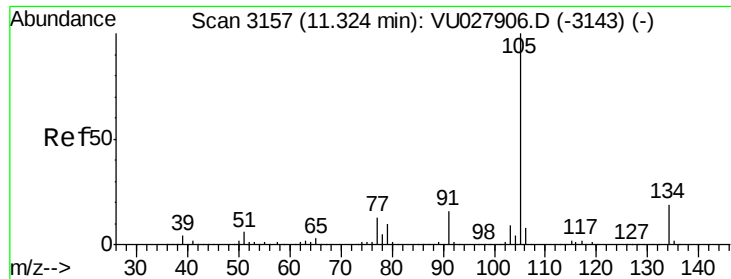
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.759 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	22.1	66.1





#85

sec-Butylbenzene

Concen: 49.462 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 595377

Ion Ratio Lower Upper

105 100

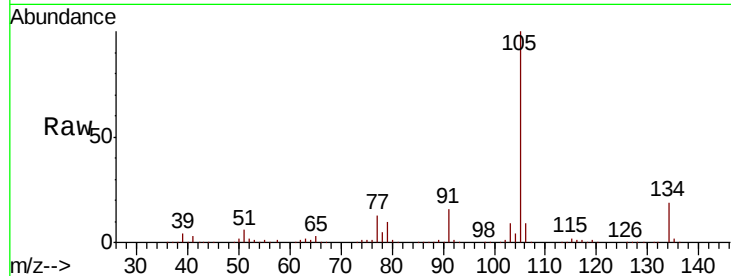
134 18.3 9.2 27.6

Manual Integrations

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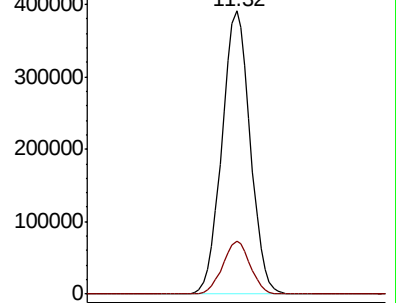
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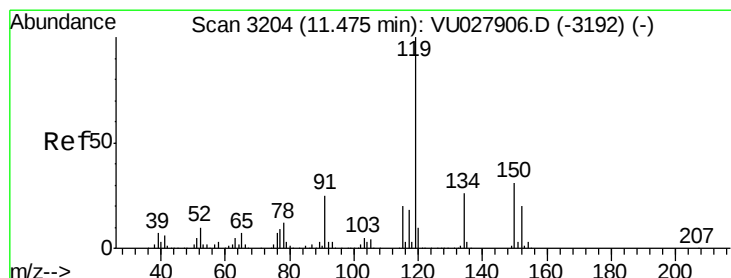
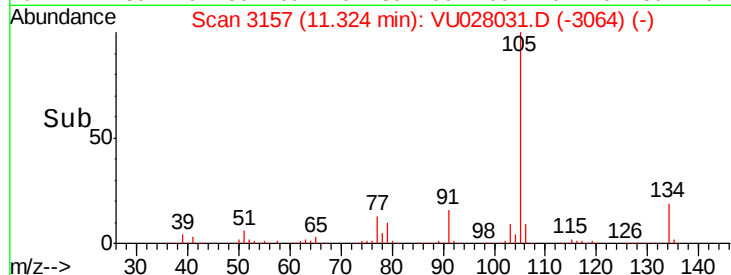


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 49.531 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

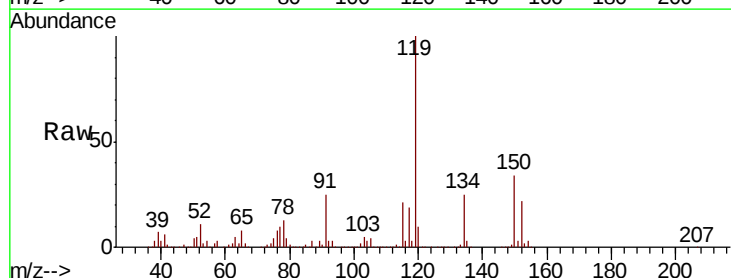
Tgt Ion:119 Resp: 498418

Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.7

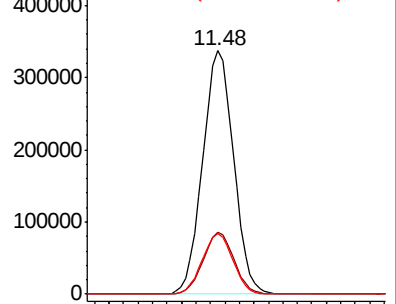
91 24.8 12.4 37.2



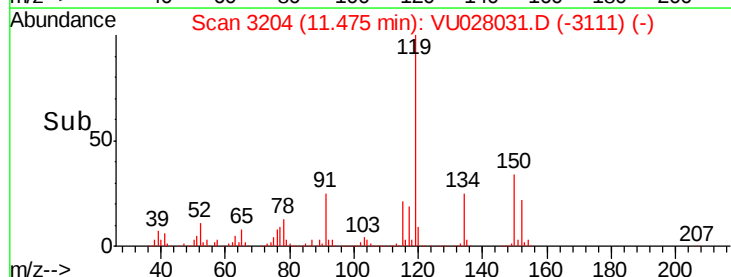
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->





#87

1,3-Dichlorobenzene

Concen: 48.095 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Instrument :

MSVOA_U

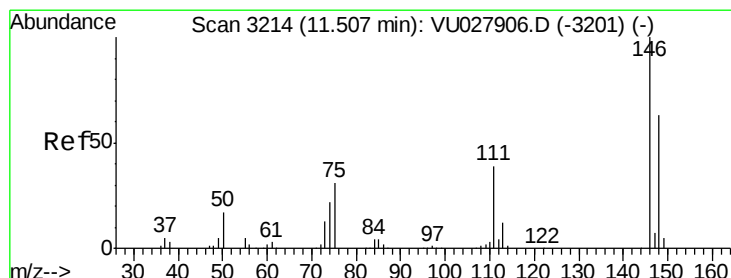
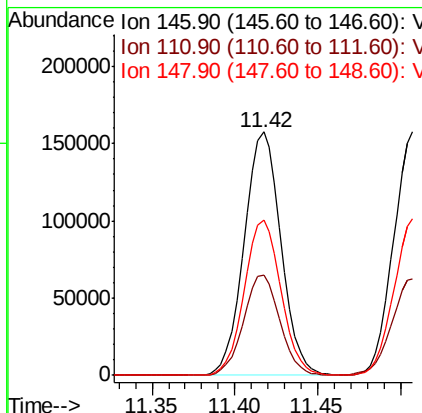
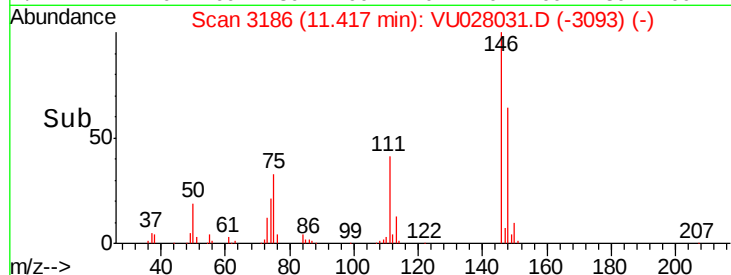
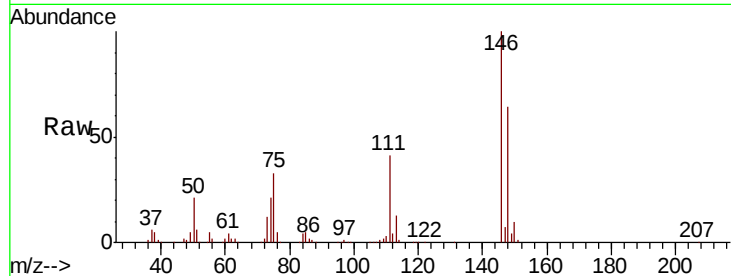
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	243480
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.3	61.0
148	63.6	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 47.287 ug/l

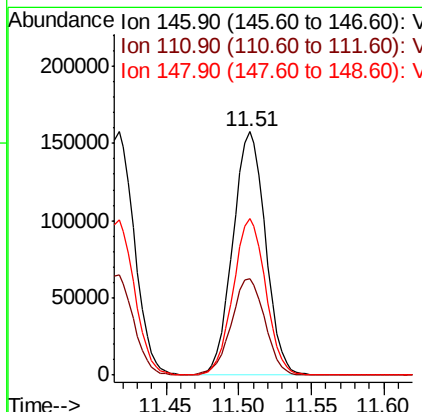
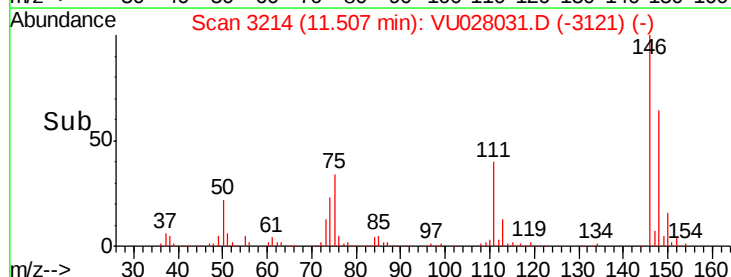
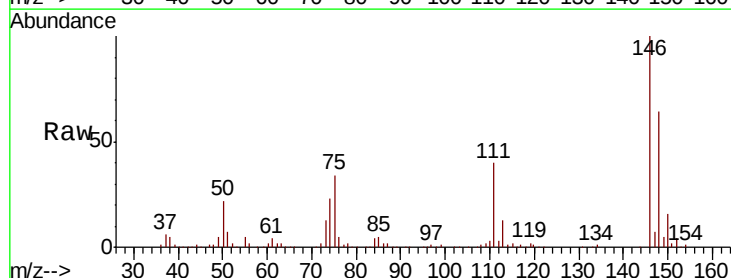
RT: 11.51 min Scan# 3214

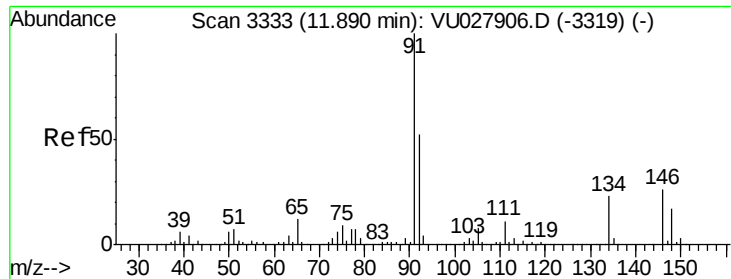
Delta R.T. -0.00 min

Lab File: VU028031.D

Acq: 08 Nov 2018 17:10

Tgt Ion:	146	Resp:	245362
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.3	60.9
148	63.9	32.0	96.2





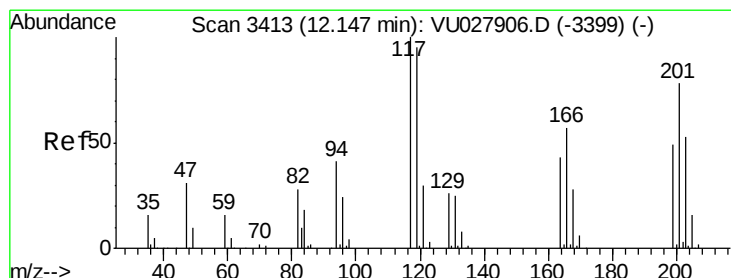
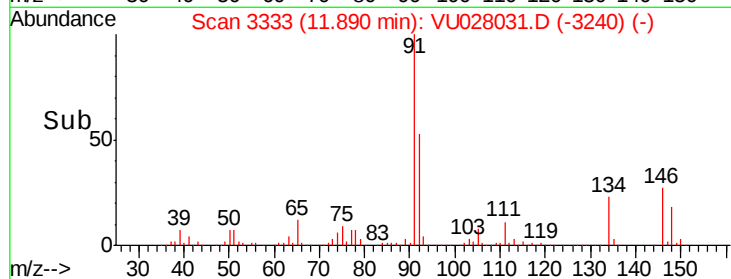
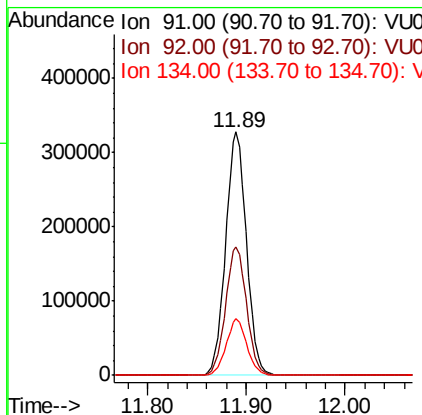
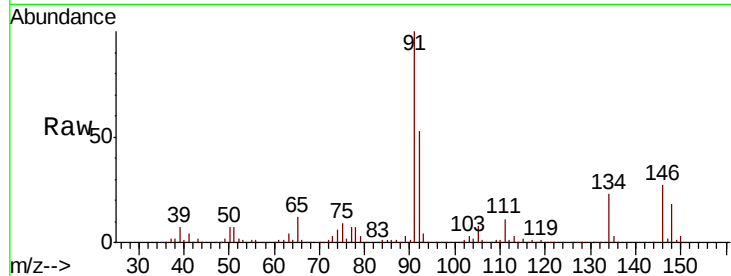
#89
n-Butylbenzene
Concen: 51.008 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.2	78.5
134	22.9	11.5	34.5

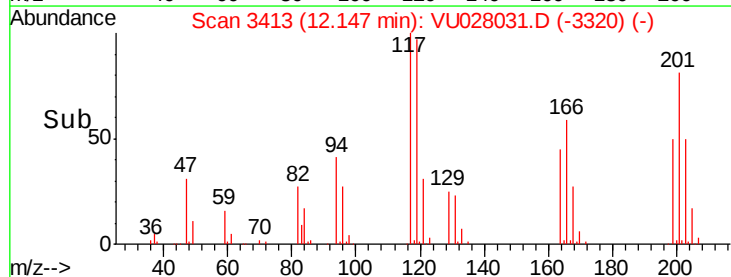
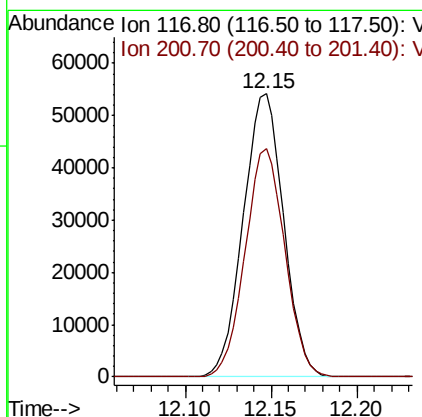
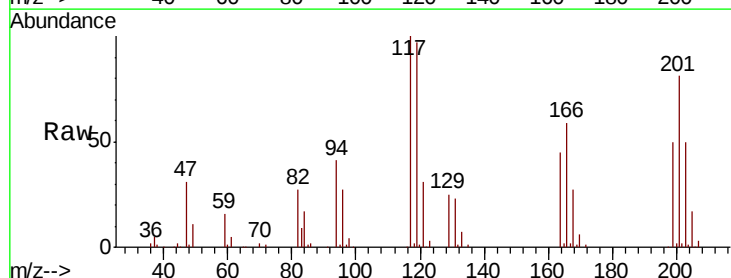
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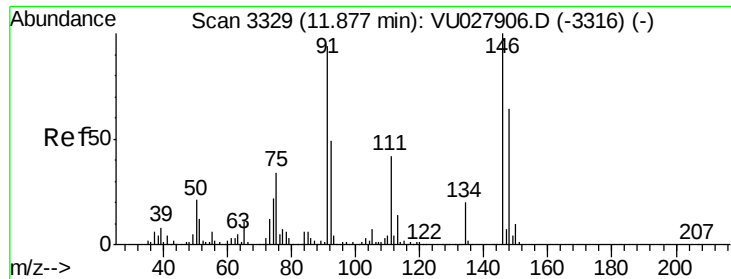
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#90
Hexachloroethane
Concen: 49.359 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	38.5	115.5





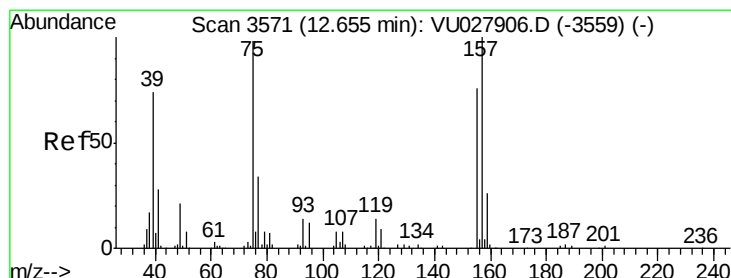
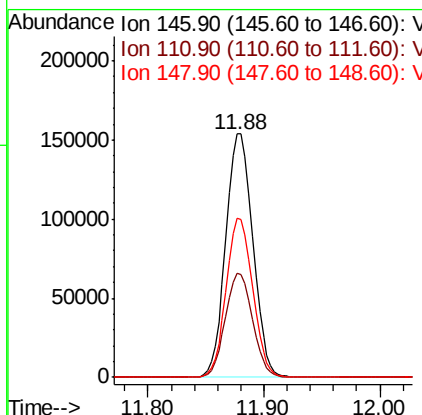
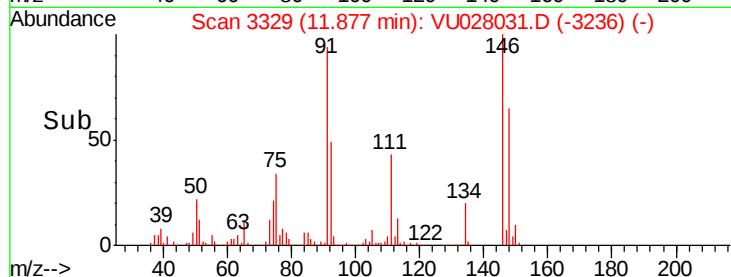
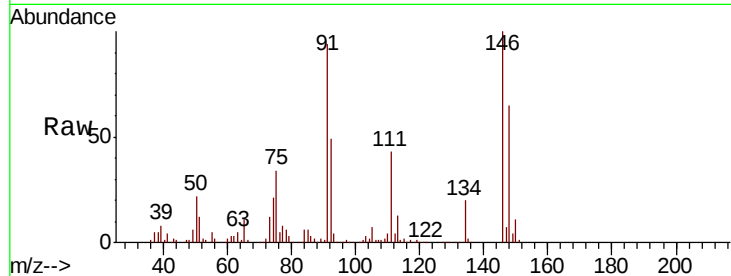
#91
 1,2-Dichlorobenzene
 Concen: 48.900 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	64.0
148	63.9	31.8	95.3

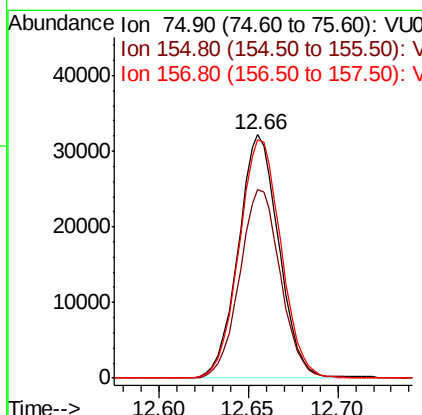
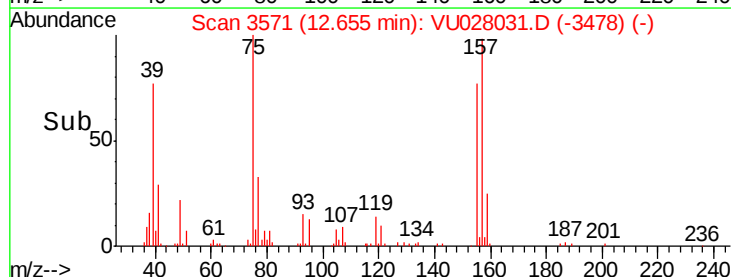
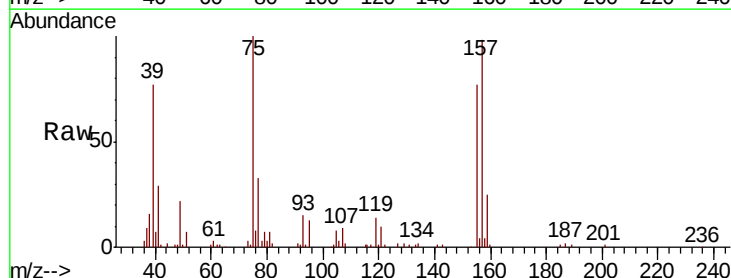
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.150 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	39.8	119.3
157	101.6	50.6	151.9





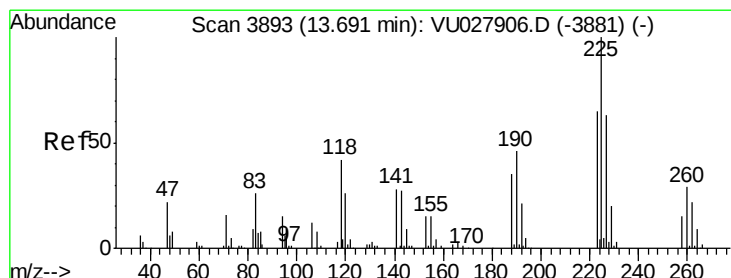
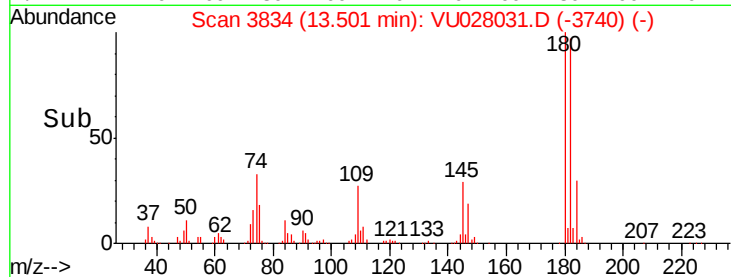
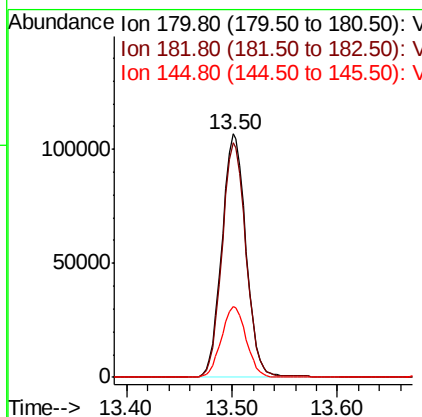
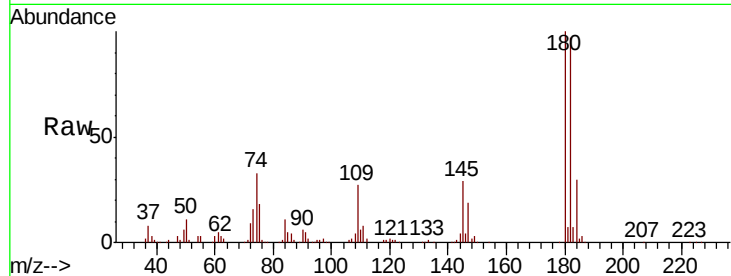
#93
 1,2,4-Trichlorobenzene
 Concen: 47.490 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.4	145.2
145	29.7	14.9	44.5

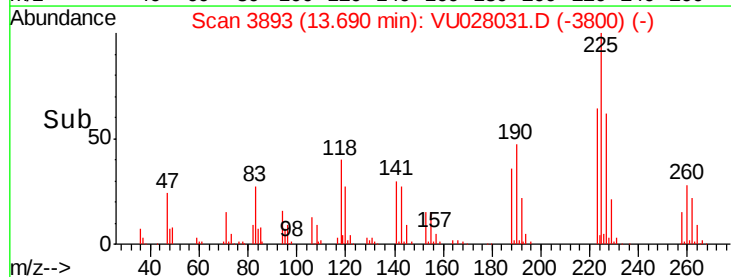
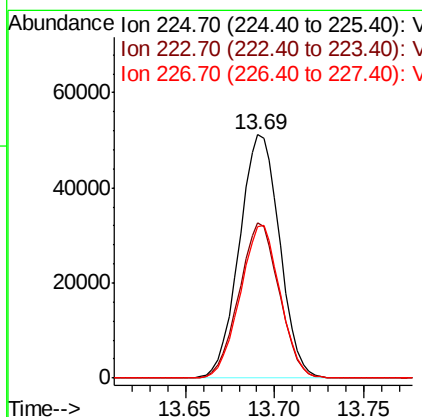
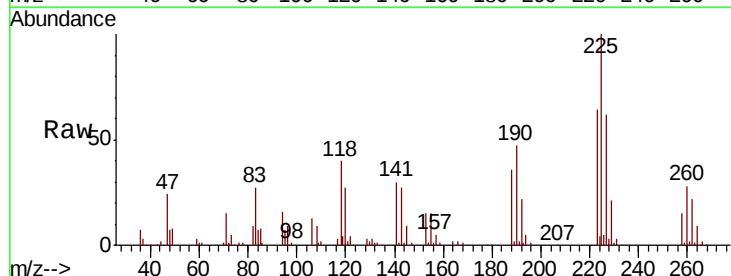
Manual Integrations
 APPROVED

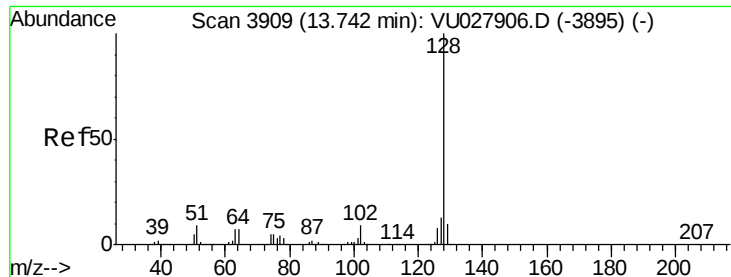
MMDadoda
 11/9/2018 3:17:47 PM



#94
 Hexachlorobutadiene
 Concen: 49.994 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028031.D
 Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	32.2	96.6
227	62.1	32.5	97.4





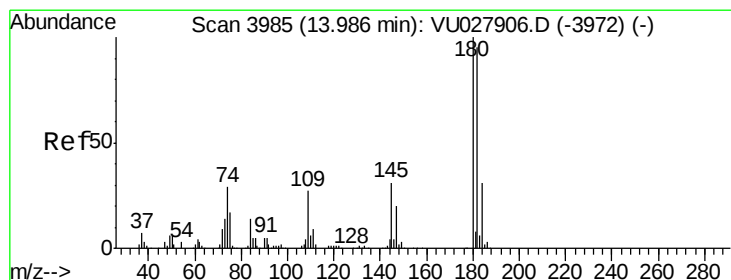
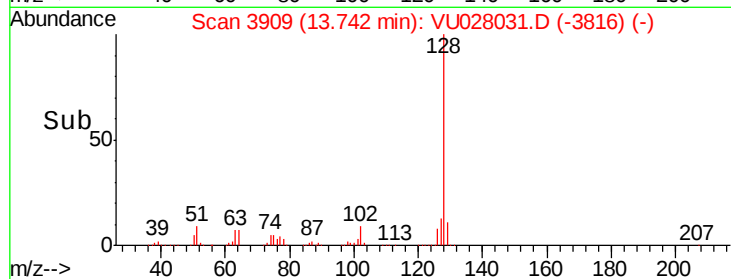
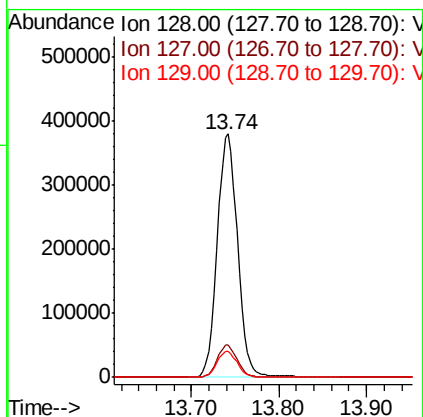
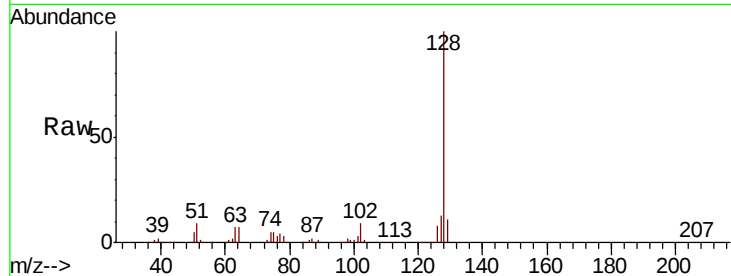
#95
Naphthalene
Concen: 48.589 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/9/2018 3:17:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.465 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028031.D
Acq: 08 Nov 2018 17:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.4	142.3
145	32.2	16.0	47.9

