

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110218\
 Data File : VU027911.D
 Acq On : 02 Nov 2018 09:10
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 11:29:08 AM

Quant Time: Nov 03 04:11:26 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	4.98	168	170342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	287340	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	263819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	130826	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	115128	45.46	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.92%		
35) Dibromofluoromethane	4.88	113	88388	48.79	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.58%		
50) Toluene-d8	7.57	98	338825	48.41	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.82%		
62) 4-Bromofluorobenzene	10.31	95	125578	48.65	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.30%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	108516	50.135	ug/l	99
3) Chloromethane	1.33	50	125082	47.782	ug/l	98
4) Vinyl Chloride	1.40	62	122789	47.260	ug/l	99
5) Bromomethane	1.62	94	50426	47.548	ug/l	97
6) Chloroethane	1.69	64	71278	47.606	ug/l	100
7) Trichlorofluoromethane	1.88	101	145315	48.401	ug/l	98
8) Diethyl Ether	2.11	74	60469	47.038	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	87453	49.034	ug/l	98
10) Methyl Iodide	2.41	142	57062	37.190	ug/l	98
11) Tert butyl alcohol	2.83	59	149436	222.888	ug/l	99
12) 1,1-Dichloroethene	2.28	96	83156	46.579	ug/l	98
13) Acrolein	2.20	56	57281	231.768	ug/l	100
14) Allyl chloride	2.59	41	200263	45.897	ug/l	100
15) Acrylonitrile	2.94	53	386690	234.797	ug/l	99
16) Acetone	2.32	43	384631	244.786	ug/l	99
17) Carbon Disulfide	2.48	76	281768	48.286	ug/l	100
18) Methyl Acetate	2.62	43	189722	43.893	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	344073	47.791	ug/l	98
20) Methylene Chloride	2.70	84	107110	46.687	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	95975	46.583	ug/l	97
22) Diisopropyl ether	3.58	45	425123	47.193	ug/l	99
23) Vinyl Acetate	3.53	43	1875275	242.225	ug/l	100
24) 1,1-Dichloroethane	3.45	63	207323	46.206	ug/l	99
25) 2-Butanone	4.26	43	598772	239.530	ug/l	98
26) 2,2-Dichloropropane	4.23	77	166607	49.479	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	111442	48.235	ug/l	98
28) Bromochloromethane	4.55	49	96442	45.848	ug/l	100
29) Tetrahydrofuran	4.64	42	376722	225.689	ug/l	100
30) Chloroform	4.67	83	191413	46.526	ug/l	100
31) Cyclohexane	5.00	56	211797	48.035	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	158919	48.526	ug/l	98
36) 1,1-Dichloropropene	5.14	75	145888	48.477	ug/l	100
37) Ethyl Acetate	4.38	43	206958	46.935	ug/l	100
38) Carbon Tetrachloride	5.13	117	128730	48.268	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	186230	51.307	ug/l	99
40) Benzene	5.39	78	451199	49.039	ug/l	100
41) Methacrylonitrile	4.54	41	117298	49.846	ug/l	99
42) 1,2-Dichloroethane	5.40	62	156350	47.806	ug/l	100
43) Isopropyl Acetate	5.55	43	334877	48.474	ug/l	100
44) Trichloroethene	6.19	130	98562	49.835	ug/l	99
45) 1,2-Dichloropropane	6.43	63	128365	48.376	ug/l	97
46) Dibromomethane	6.56	93	74148	48.614	ug/l	98
47) Bromodichloromethane	6.76	83	146347	49.789	ug/l	99
48) Methyl methacrylate	6.62	41	167182	49.384	ug/l	99
49) 1,4-Dioxane	6.61	88	54551	987.663	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1086124	235.418	ug/l	100
52) Toluene	7.64	92	266072	49.189	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	176298	48.403	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	189049	52.173	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	106096	48.210	ug/l	98
56) Ethyl methacrylate	8.02	69	194542	50.128	ug/l	99
57) 1,3-Dichloropropane	8.24	76	195057	48.658	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	553742	266.413	ug/l	100
59) 2-Hexanone	8.36	43	860461	241.140	ug/l	99
60) Dibromochloromethane	8.48	129	106504	51.143	ug/l	99
61) 1,2-Dibromoethane	8.59	107	114706	49.053	ug/l	98
64) Tetrachloroethene	8.23	164	84090	49.156	ug/l	99
65) Chlorobenzene	9.12	112	273576	49.082	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	96027	50.439	ug/l	99
67) Ethyl Benzene	9.25	91	520437	50.727	ug/l	99
68) m/p-Xylenes	9.38	106	377739	101.473	ug/l	99
69) o-Xylene	9.78	106	186164	49.525	ug/l	99
70) Styrene	9.79	104	308292	51.329	ug/l	99
71) Bromoform	9.96	173	81921	51.344	ug/l #	99
73) Isopropylbenzene	10.17	105	499487	49.284	ug/l	99
74) N-amyl acetate	10.01	43	304086	49.619	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	192433	47.071	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	161746m	45.200	ug/l	
77) Bromobenzene	10.45	156	116614	50.179	ug/l	99
78) n-propylbenzene	10.59	91	618943	51.020	ug/l	99
79) 2-Chlorotoluene	10.66	91	355073	48.830	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	416206	49.574	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	55377m	38.698	ug/l	
82) 4-Chlorotoluene	10.77	91	411931	49.899	ug/l	100
83) tert-Butylbenzene	11.10	119	408179	48.632	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	428885	50.731	ug/l	99
85) sec-Butylbenzene	11.32	105	517543	50.702	ug/l	99
86) p-Isopropyltoluene	11.48	119	439793	51.539	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	212212	49.432	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	211554	48.078	ug/l	99
89) n-Butylbenzene	11.89	91	434550	53.583	ug/l	100
90) Hexachloroethane	12.15	117	75965	50.002	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	214608	49.710	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	43293	50.257	ug/l	98

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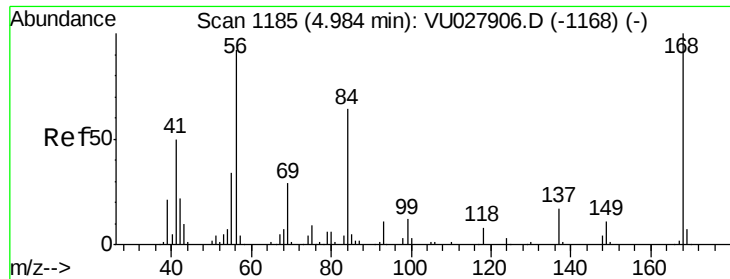
Manual Integrations
APPROVED

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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	151193	49.937	ug/l	98
94) Hexachlorobutadiene	13.69	225	73102	53.277	ug/l	98
95) Naphthalene	13.74	128	515331	48.014	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	153020	52.821	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 170342

Ion Ratio Lower Upper

168 100

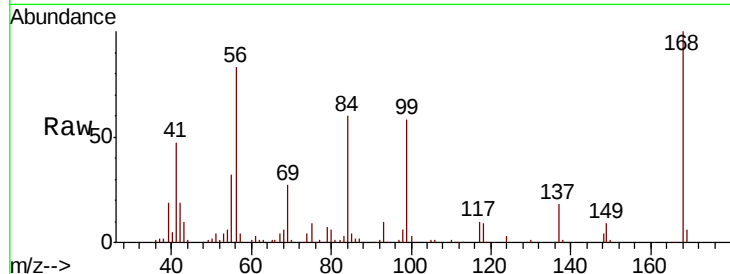
99 58.1 47.9 71.9

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): VU027906.D (-1168) (-)

4.98

80000

60000

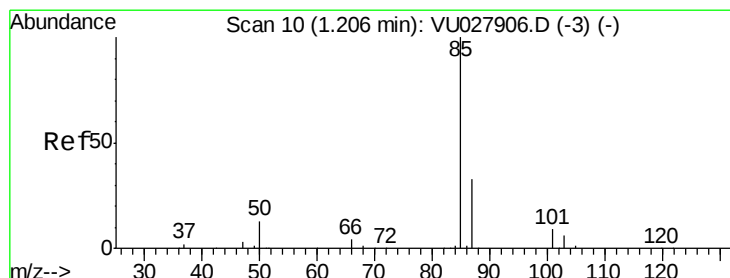
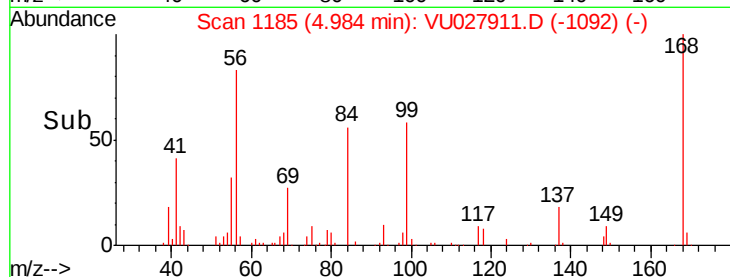
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.135 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027911.D

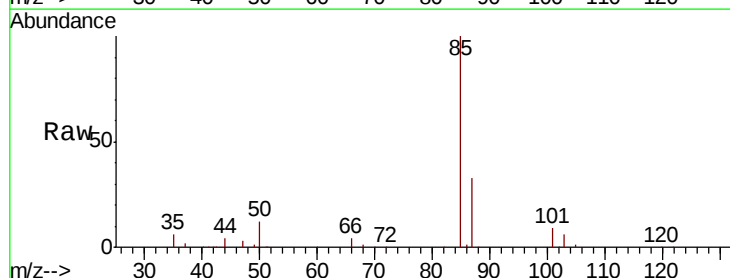
Acq: 02 Nov 2018 09:10

Tgt Ion: 85 Resp: 108516

Ion Ratio Lower Upper

85 100

87 32.5 16.5 49.5



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

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)

1.21

120000

100000

80000

60000

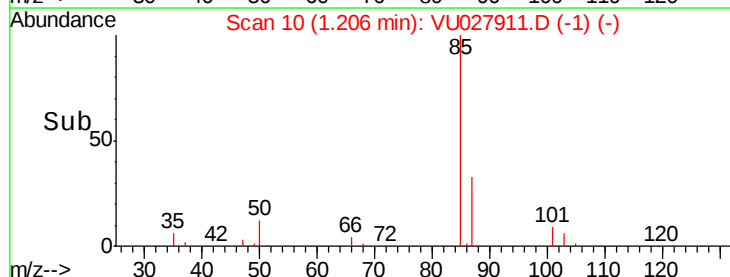
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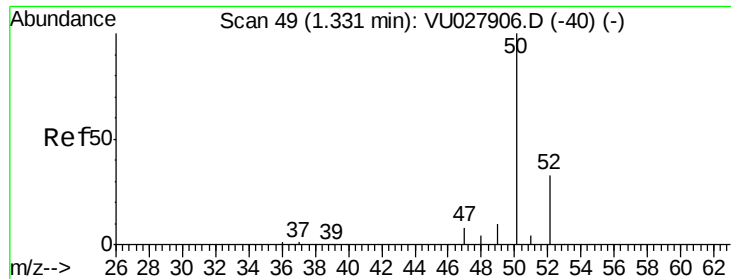
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1.15 1.20 1.25 1.30

Time-->





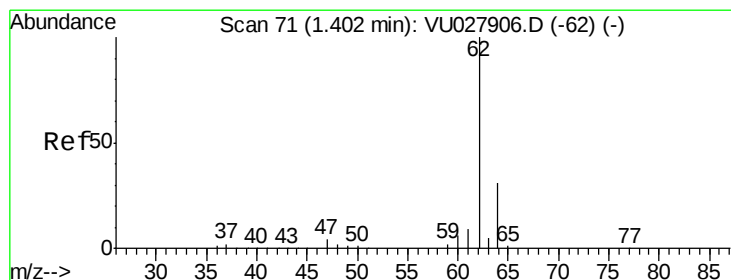
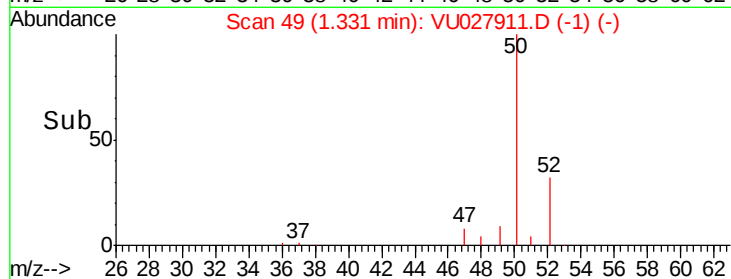
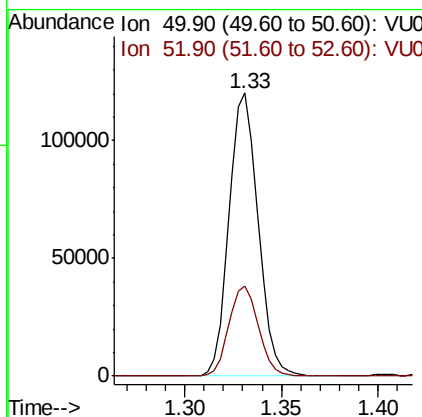
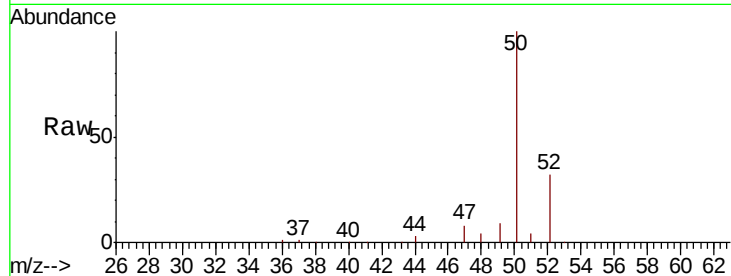
#3
Chloromethane
Concen: 47.782 ug/l
RT: 1.33 min Scan# 49
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.2	39.4

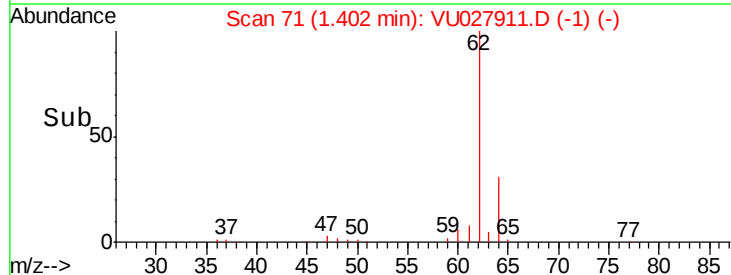
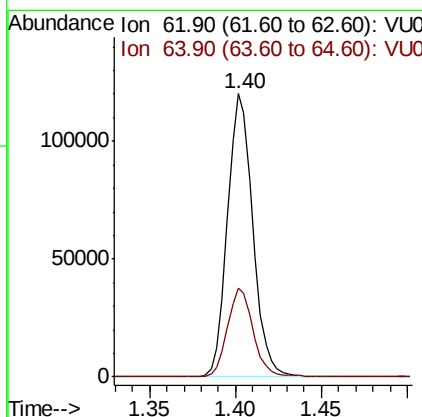
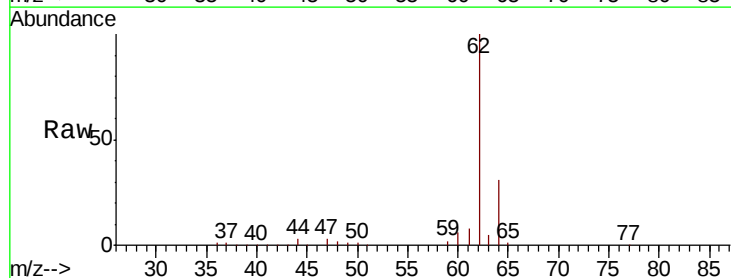
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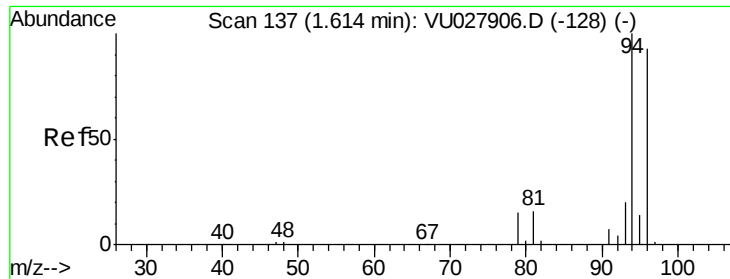
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#4
Vinyl Chloride
Concen: 47.260 ug/l
RT: 1.40 min Scan# 71
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.2	37.8





#5

Bromomethane

Concen: 47.548 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 50426

Ion Ratio Lower Upper

94 100

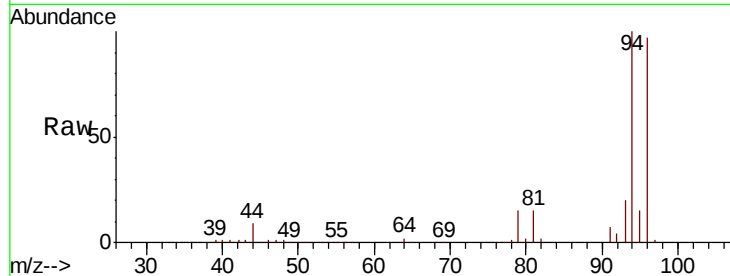
96 96.6 74.8 112.2

Manual Integrations

APPROVED

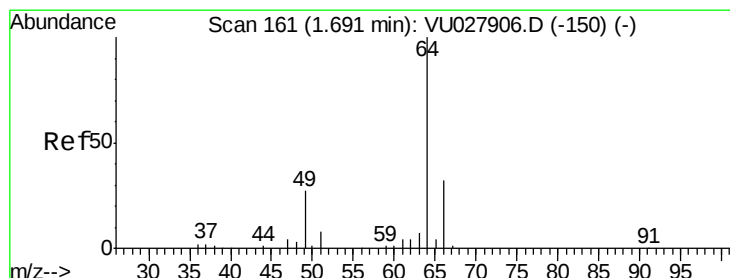
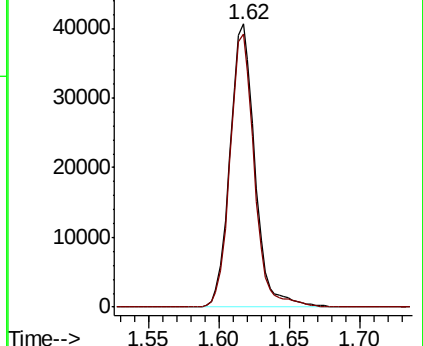
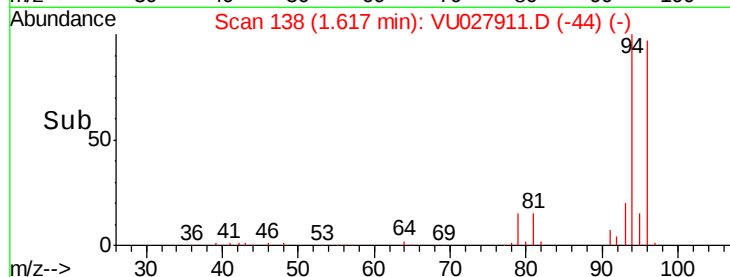
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Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027911.D (-44) (-)



#6

Chloroethane

Concen: 47.606 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027911.D

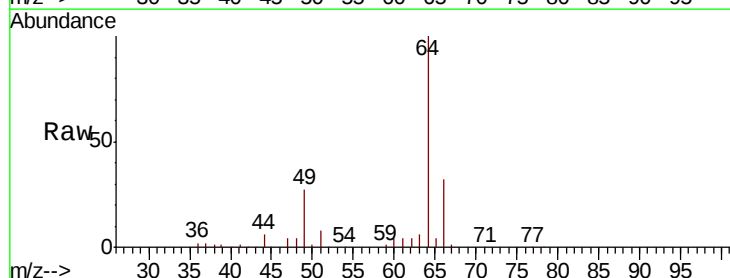
Acq: 02 Nov 2018 09:10

Tgt Ion: 64 Resp: 71278

Ion Ratio Lower Upper

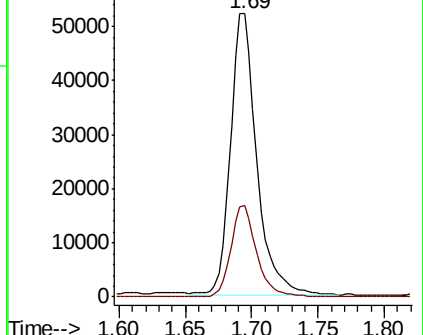
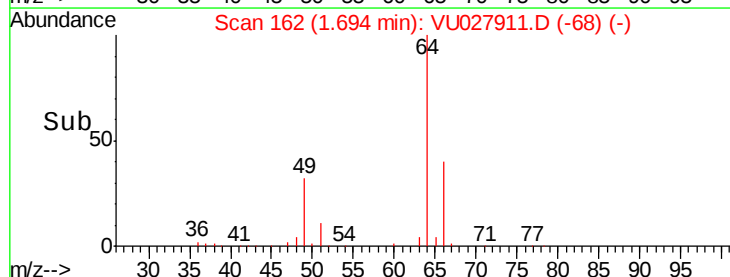
64 100

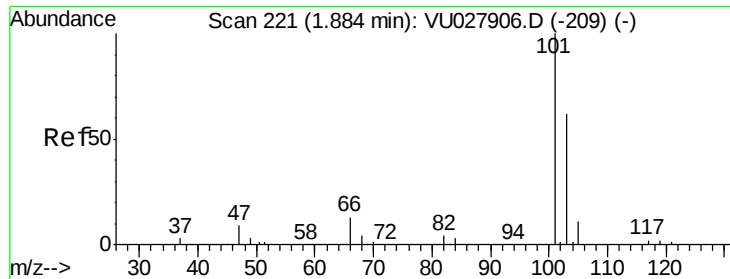
66 32.3 25.9 38.9



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

Ion 65.90 (65.60 to 66.60): VU027911.D (-68) (-)





#7

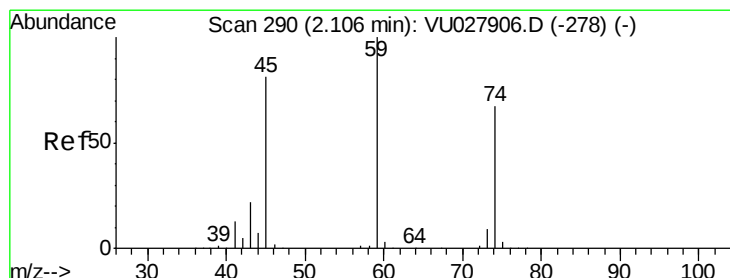
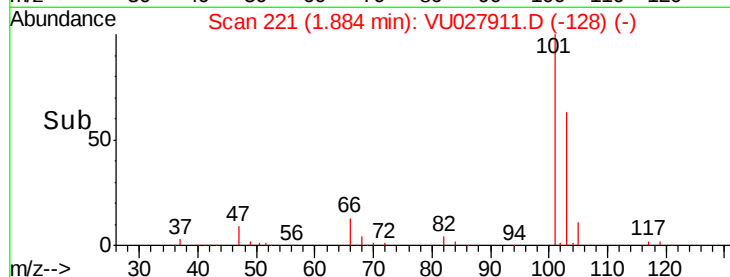
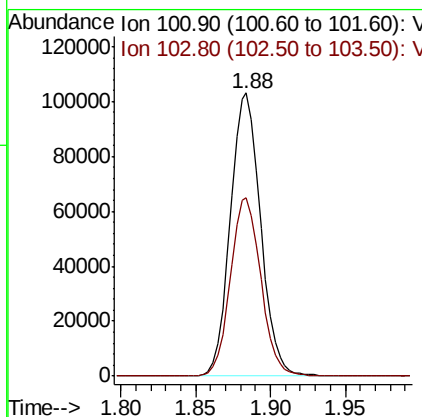
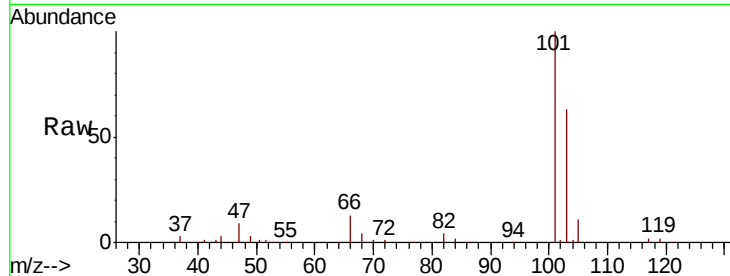
Trichlorofluoromethane
Concen: 48.401 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	49.4	74.2

Manual Integrations
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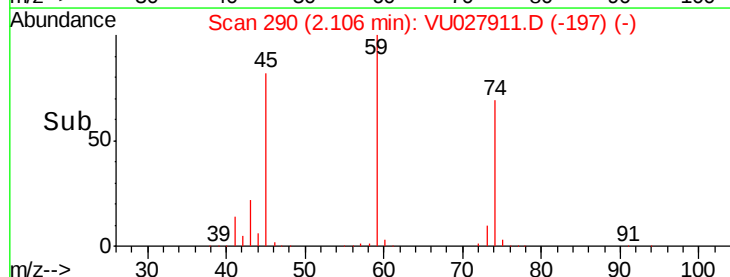
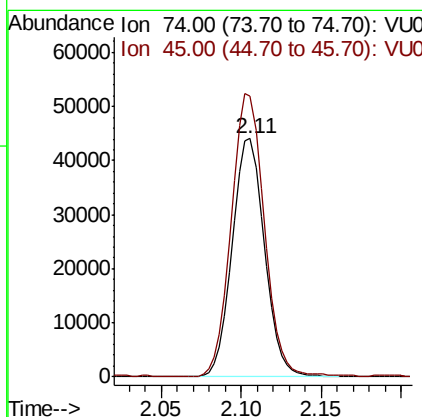
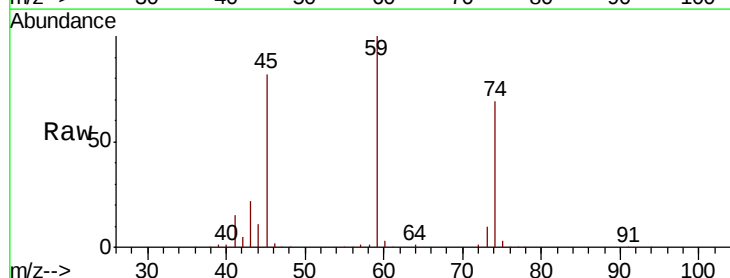
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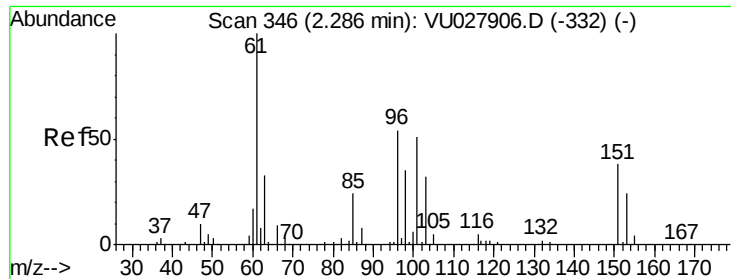


#8

Diethyl Ether
Concen: 47.038 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.1	60.5	181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.034 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

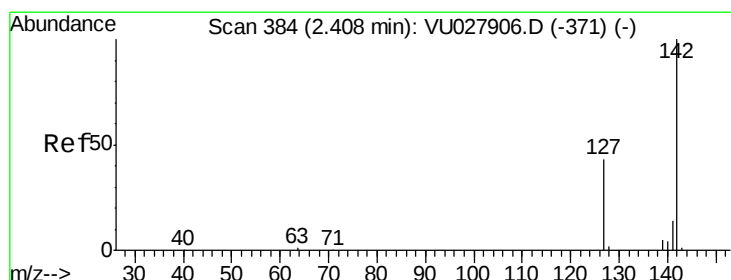
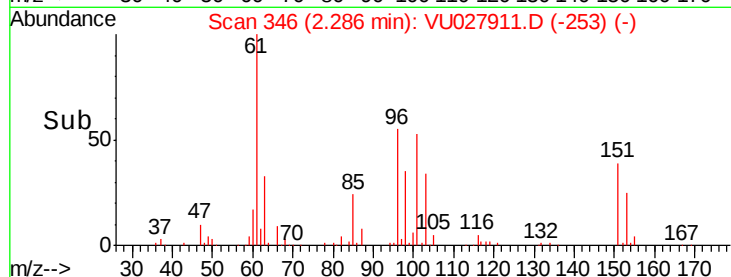
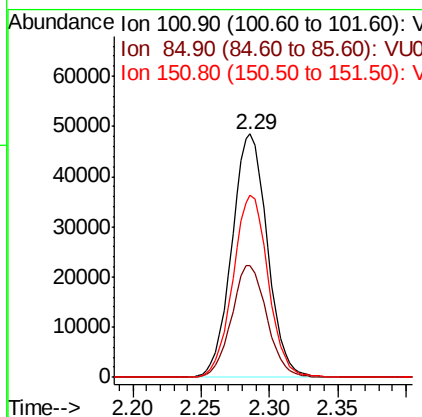
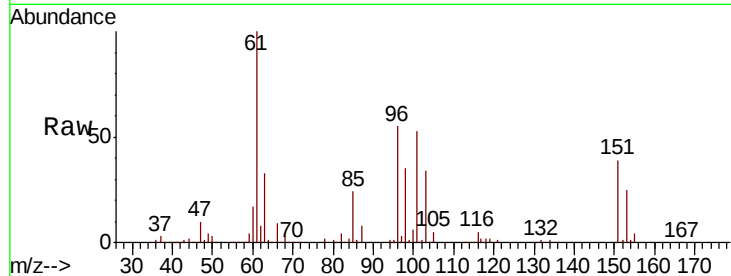
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	87453
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.9	55.3
151	74.4	58.0	87.0

Manual Integrations
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#10

Methyl Iodide

Concen: 37.190 ug/l

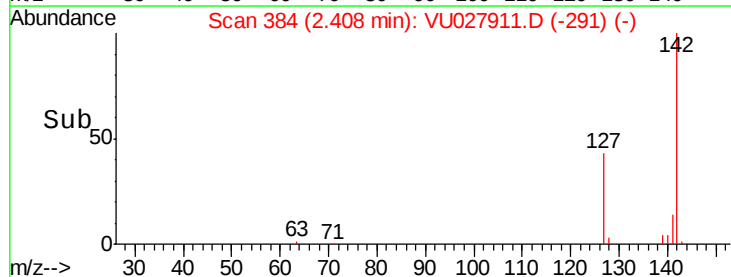
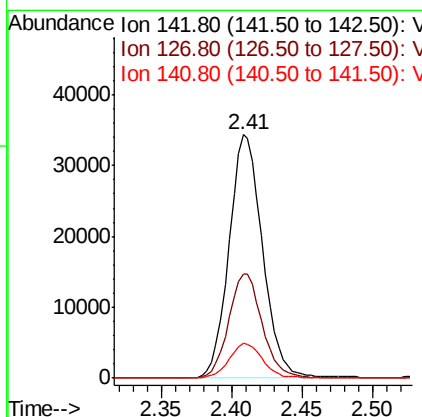
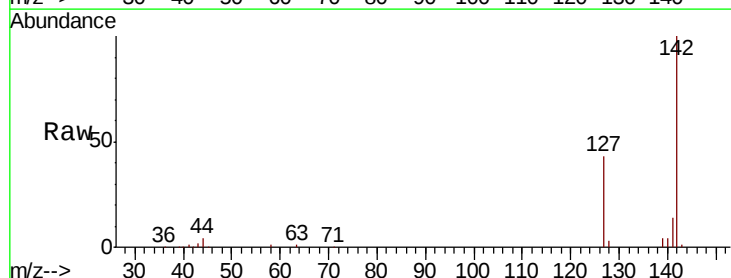
RT: 2.41 min Scan# 384

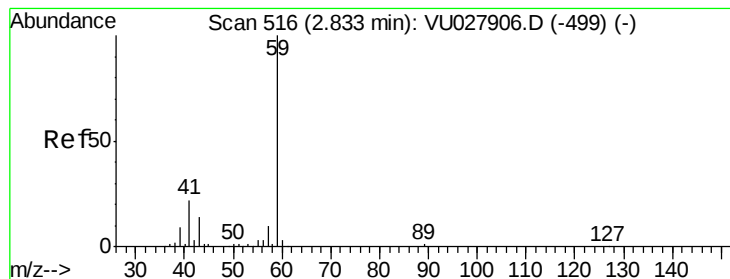
Delta R.T. 0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Tgt Ion:	142	Resp:	57062
Ion Ratio	Lower	Upper	
142	100		
127	42.7	35.2	52.8
141	14.2	11.8	17.8





#11

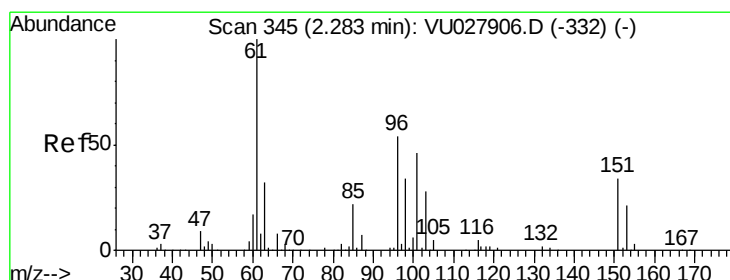
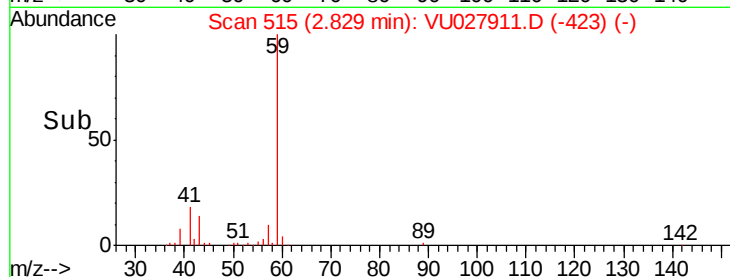
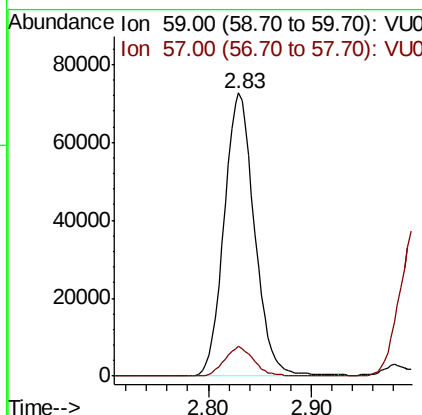
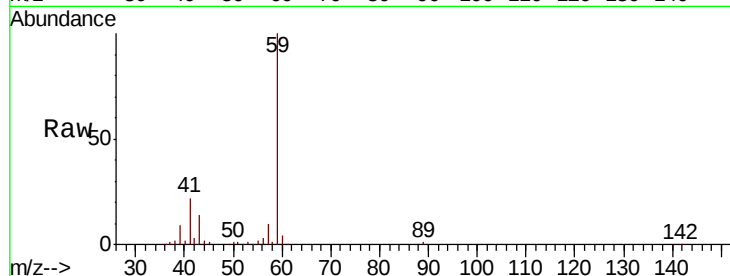
Tert butyl alcohol
 Concen: 222.888 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	149436
Ion Ratio	100	Lower	Upper
57	10.0	7.8	11.8

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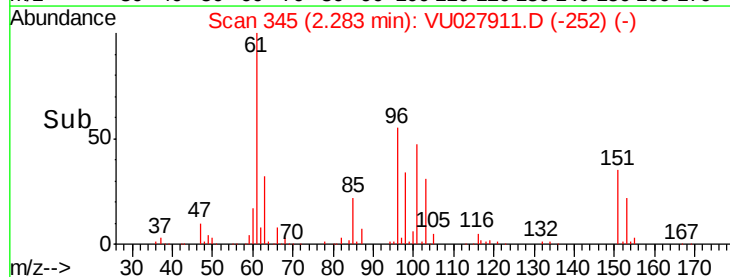
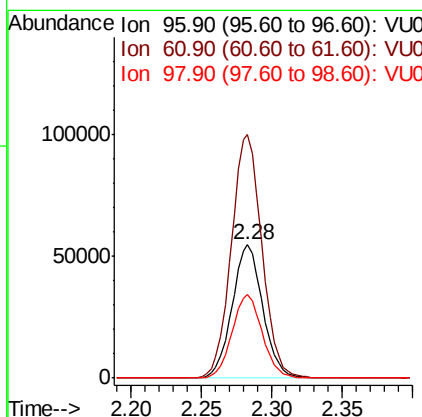
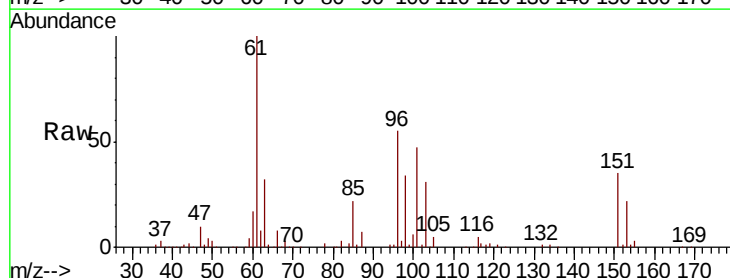
MMDadoda
 11/5/2018 11:29:08 AM



#12

1,1-Dichloroethene
 Concen: 46.579 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Tgt Ion	96	Resp	83156
Ion Ratio	100	Lower	Upper
61	182.4	149.3	223.9
98	62.5	50.6	75.8





#13

Acrolein

Concen: 231.768 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 57281

Ion Ratio Lower Upper

56 100

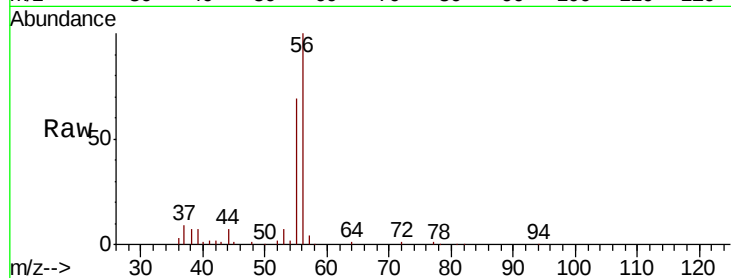
55 70.2 56.2 84.4

Manual Integrations

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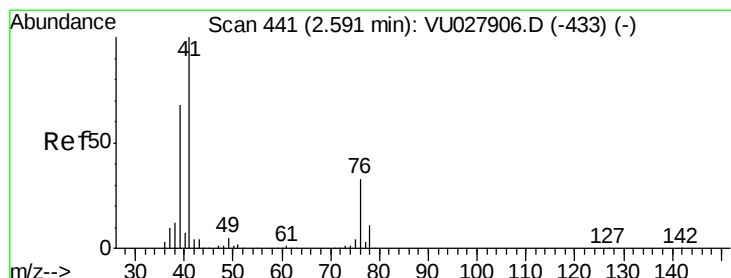
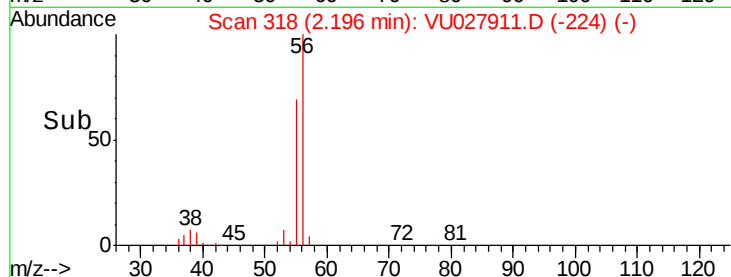
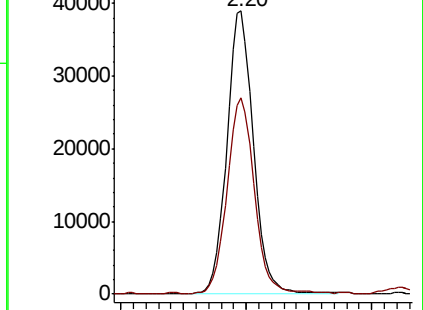
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU027911.D (-224) (-)

Ion 55.00 (54.70 to 55.70): VU027911.D (-224) (-)



#14

Allyl chloride

Concen: 45.897 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

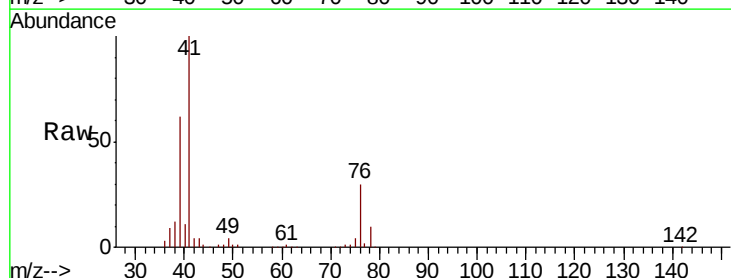
Tgt Ion: 41 Resp: 200263

Ion Ratio Lower Upper

41 100

39 64.7 51.9 77.9

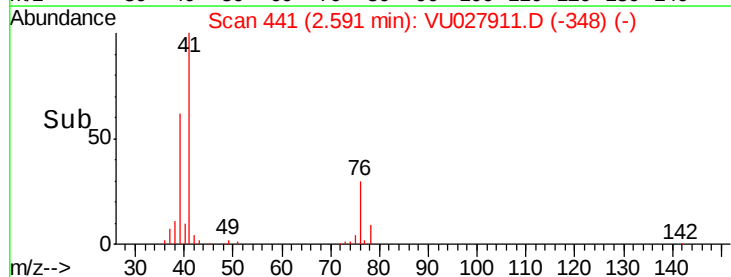
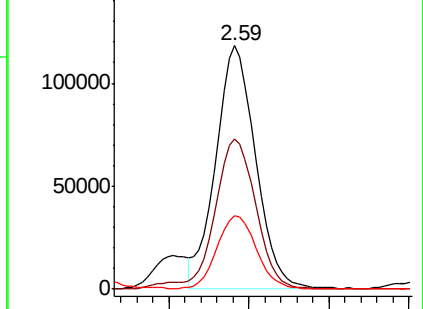
76 30.2 23.8 35.6

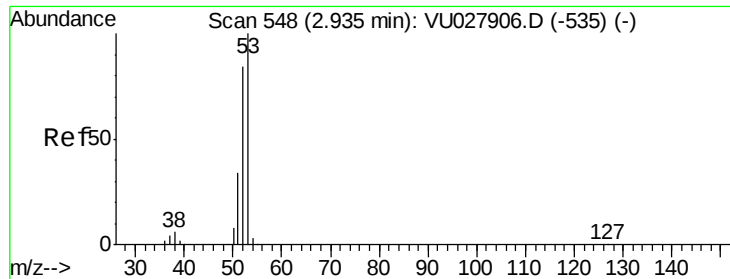


Abundance Ion 41.00 (40.70 to 41.70): VU027911.D (-348) (-)

Ion 39.00 (38.70 to 39.70): VU027911.D (-348) (-)

Ion 75.90 (75.60 to 76.60): VU027911.D (-348) (-)





#15

Acrylonitrile

Concen: 234.797 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

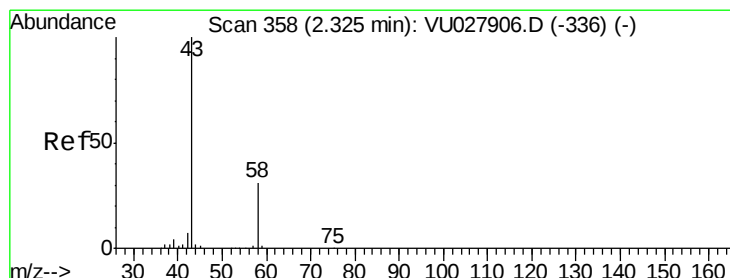
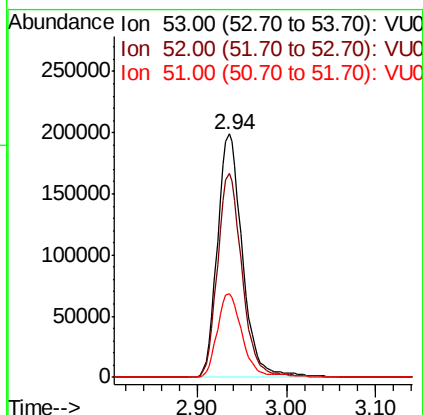
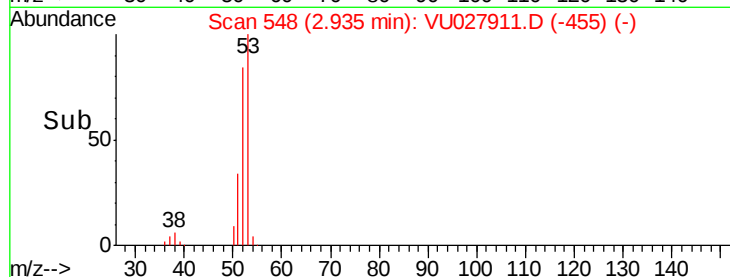
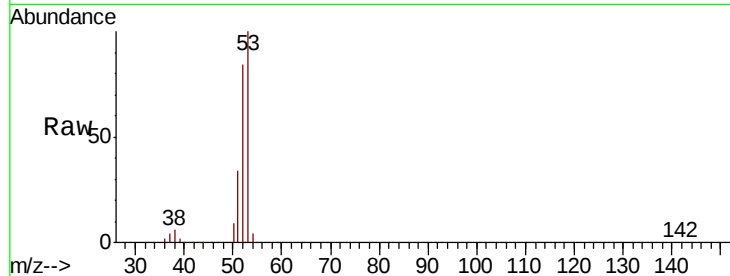
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	386690
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	34.8	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 244.786 ug/l

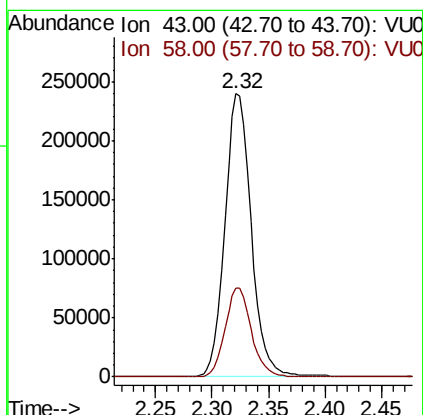
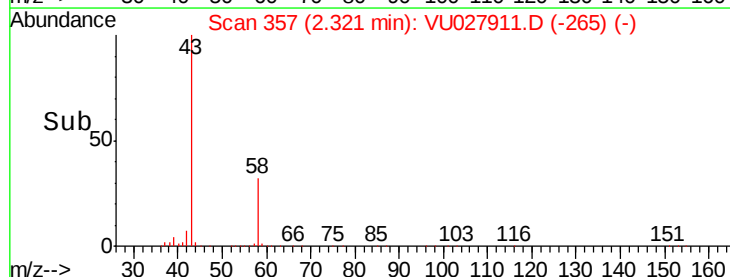
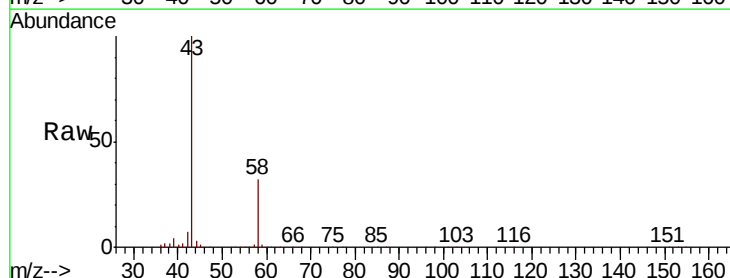
RT: 2.32 min Scan# 357

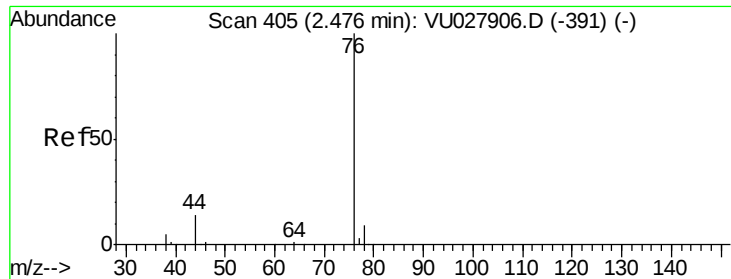
Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Tgt Ion:	43	Resp:	384631
Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.6	37.0





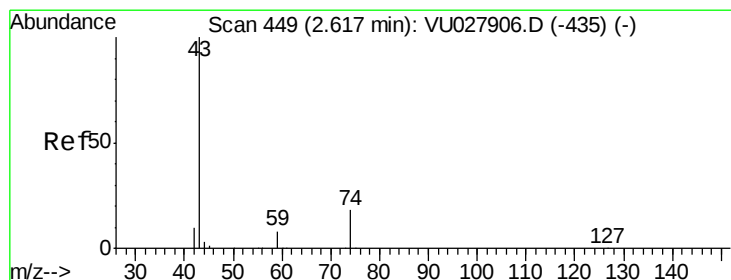
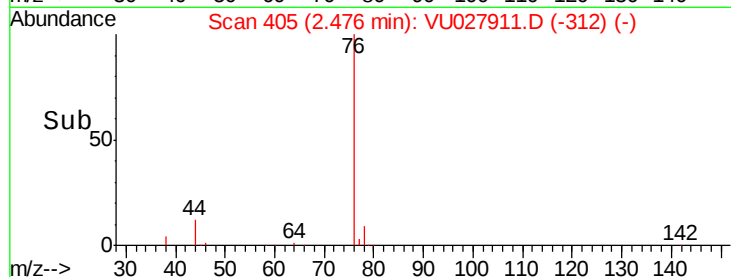
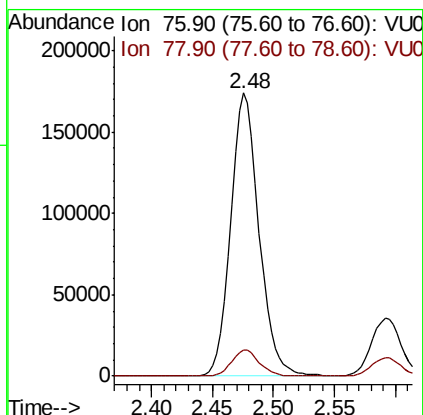
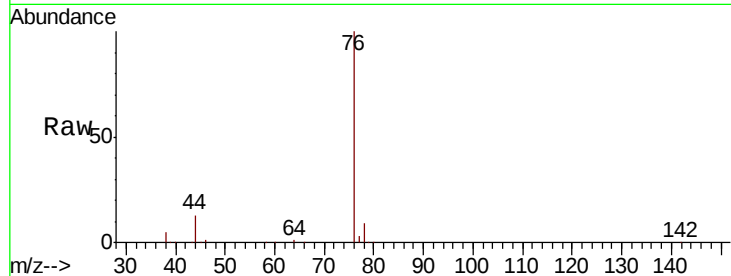
#17
Carbon Disulfide
Concen: 48.286 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

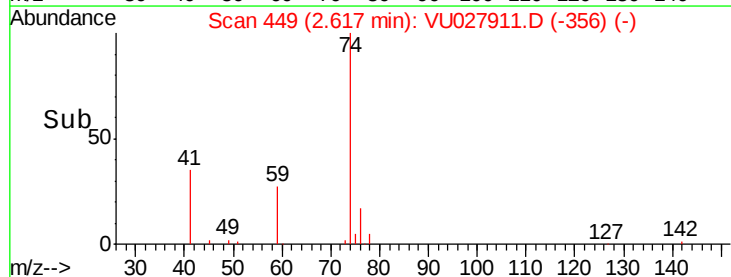
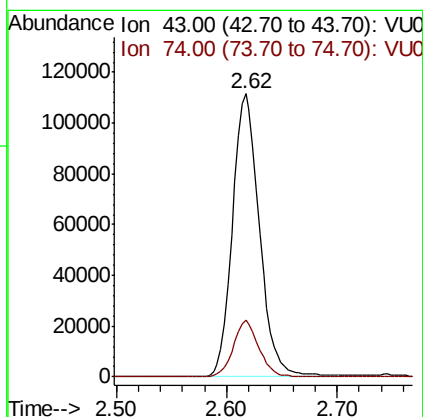
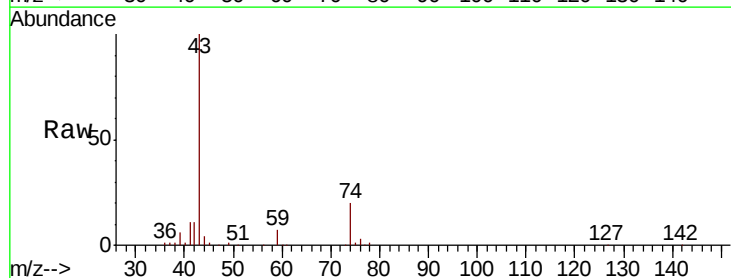
Manual Integrations
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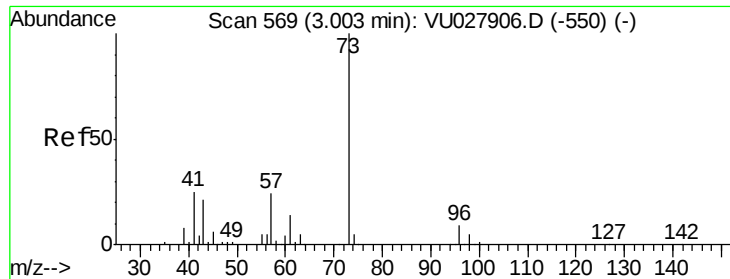
MMDadoda
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#18
Methyl Acetate
Concen: 43.893 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.0	14.9	22.3





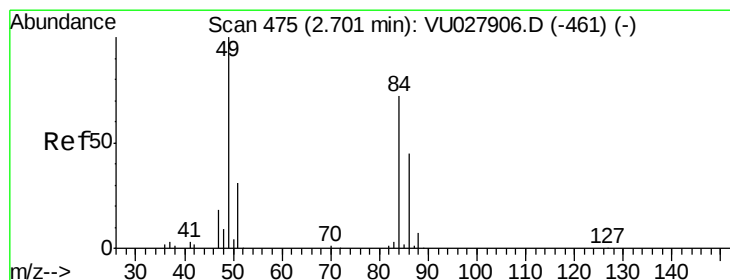
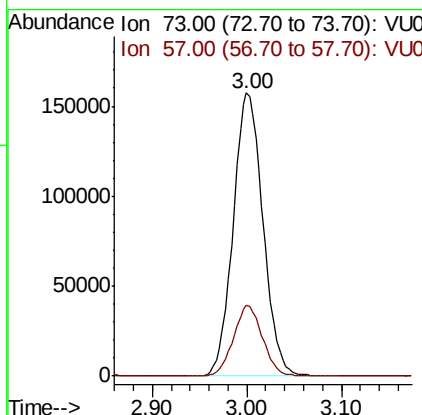
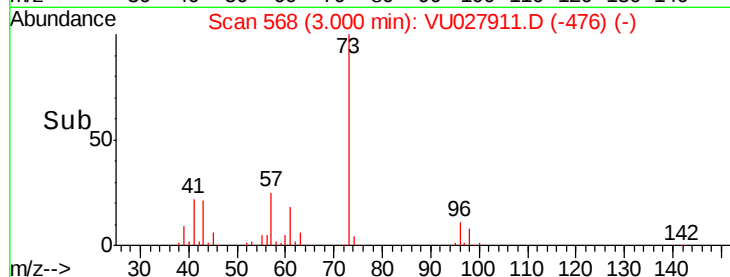
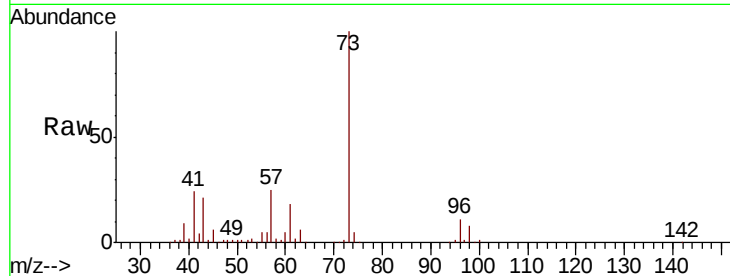
#19
Methyl tert-butyl Ether
Concen: 47.791 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	73	Resp	344073
Ion Ratio	100	Lower	Upper
73	100	19.3	28.9
57	25.0		

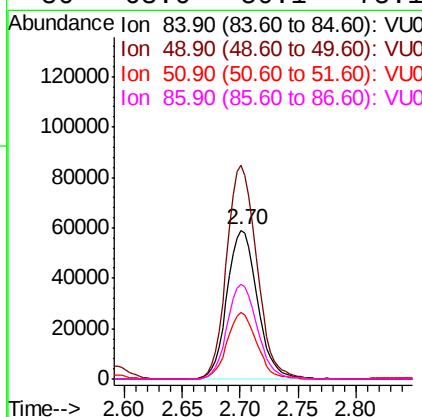
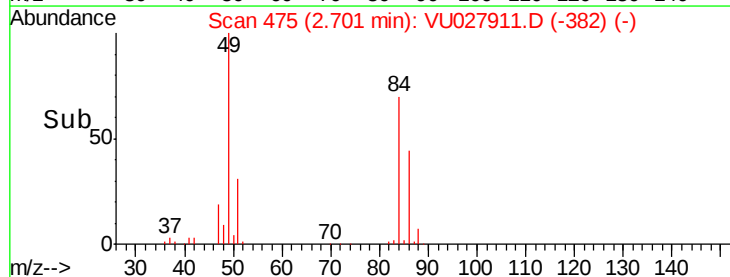
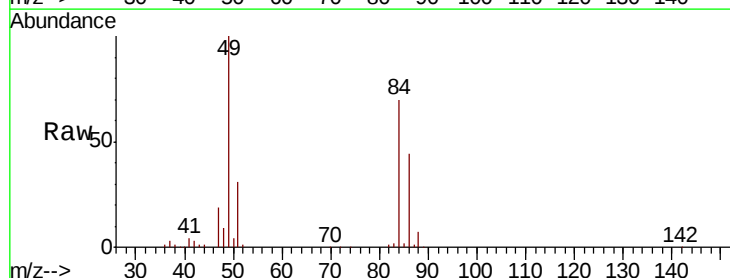
Manual Integrations
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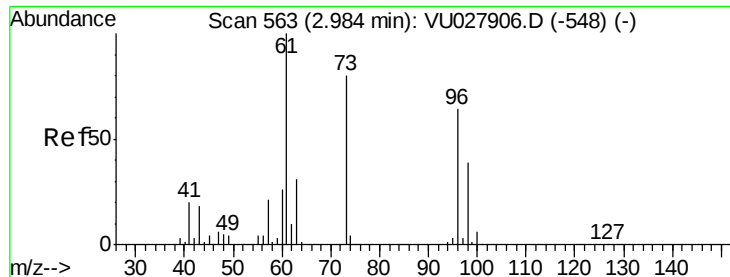
MMDadoda
11/5/2018 11:29:08 AM



#20
Methylene Chloride
Concen: 46.687 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion	84	Resp	107110
Ion Ratio	100	Lower	Upper
84	100	111.6	167.4
49	143.6	34.8	52.2
51	44.6	50.1	75.1
86	63.6		





#21

trans-1,2-Dichloroethene

Concen: 46.583 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 95975

Ion Ratio Lower Upper

96 100

61 153.7 125.0 187.6

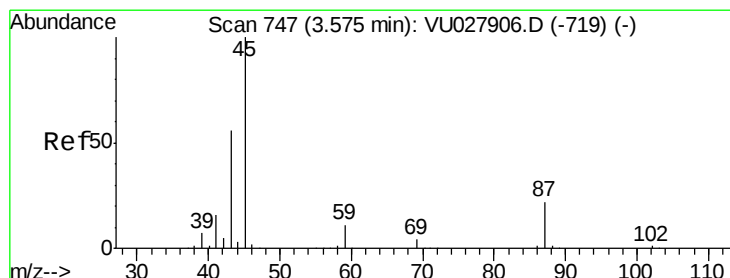
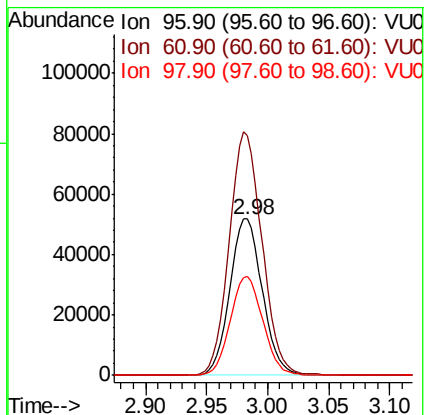
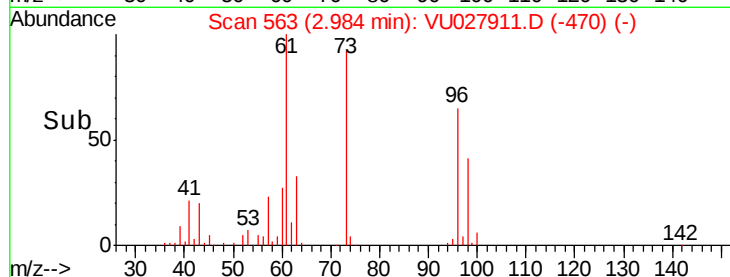
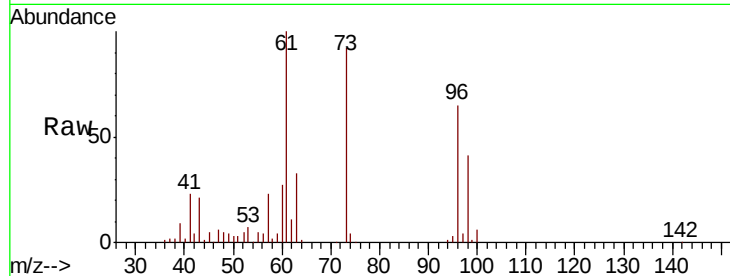
98 63.3 48.2 72.4

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#22

Diisopropyl ether

Concen: 47.193 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Tgt Ion: 45 Resp: 425123

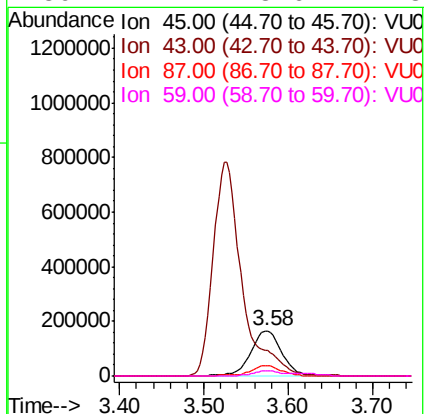
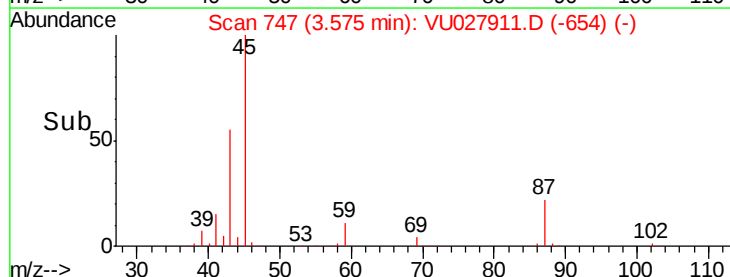
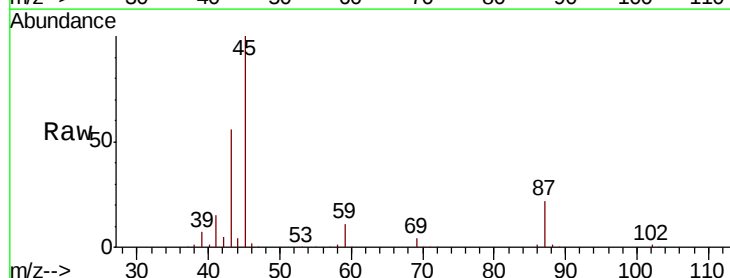
Ion Ratio Lower Upper

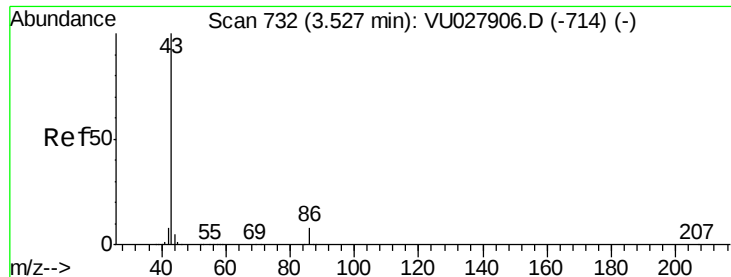
45 100

43 55.0 45.0 67.6

87 22.2 17.9 26.9

59 11.2 8.6 12.8





#23

Vinyl Acetate

Concen: 242.225 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1875275

Ion Ratio Lower Upper

43 100

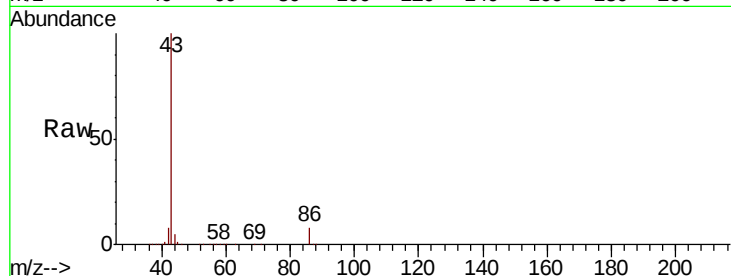
86 8.3 6.6 9.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027911.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027911.D (-639) (-)

3.53

800000

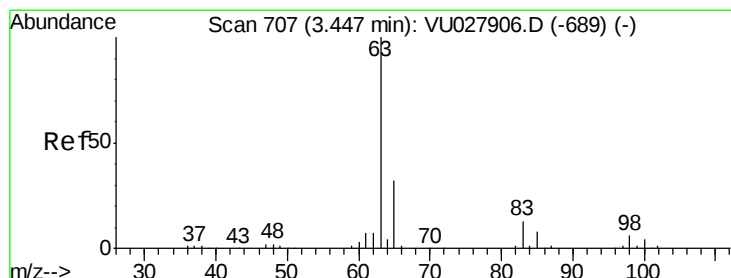
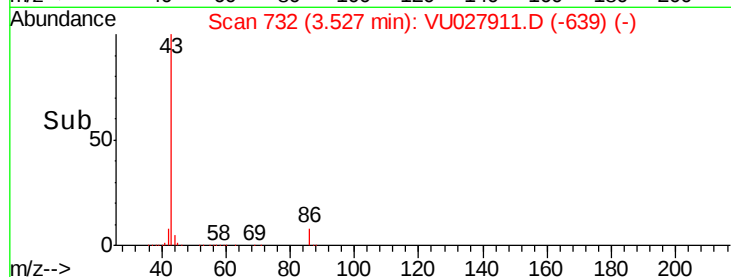
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.206 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

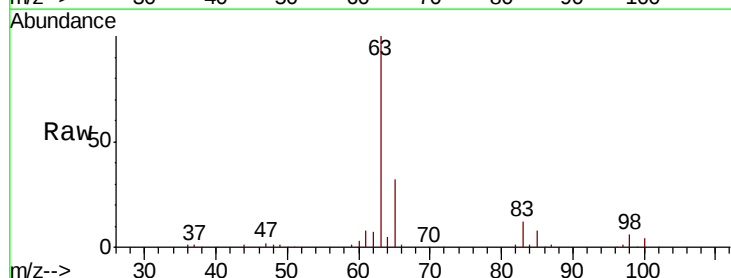
Tgt Ion: 63 Resp: 207323

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

100 3.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027911.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027911.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027911.D (-614) (-)

3.45

120000

100000

80000

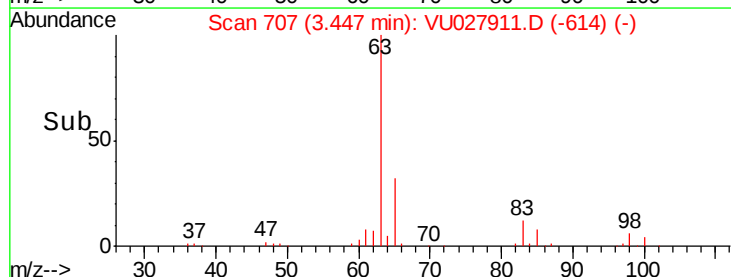
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 239.530 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 598772

Ion Ratio Lower Upper

43 100

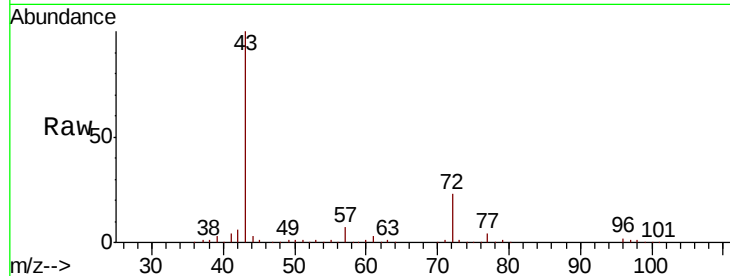
72 22.8 17.7 26.5

Manual Integrations

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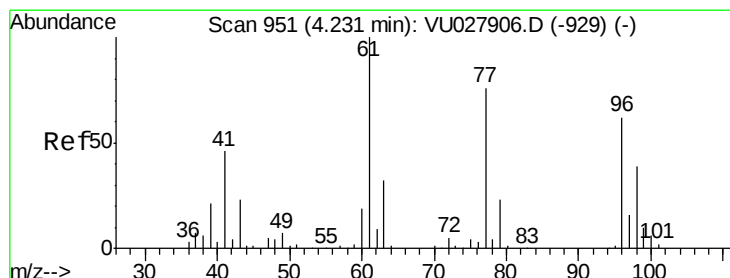
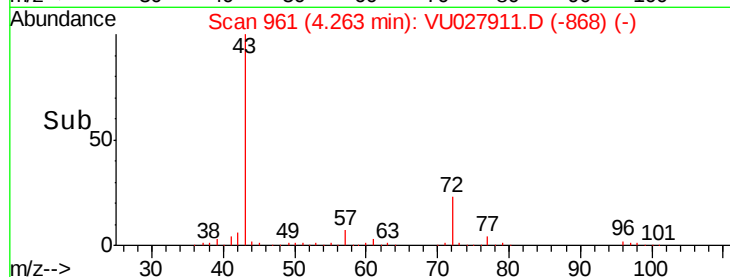
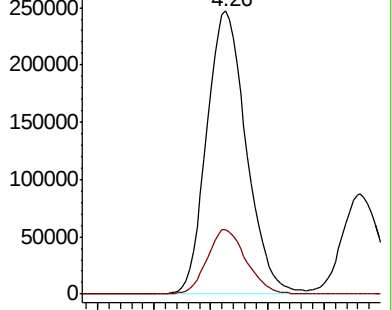
MMDadoda

11/5/2018 11:29:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 49.479 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027911.D

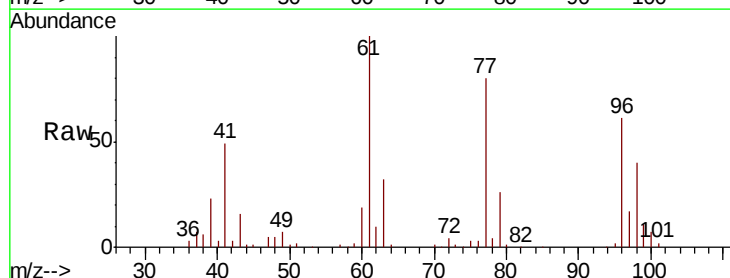
Acq: 02 Nov 2018 09:10

Tgt Ion: 77 Resp: 166607

Ion Ratio Lower Upper

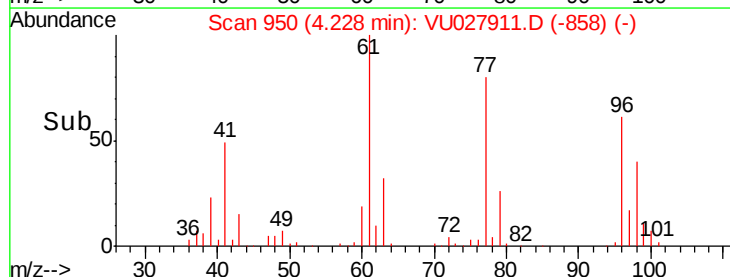
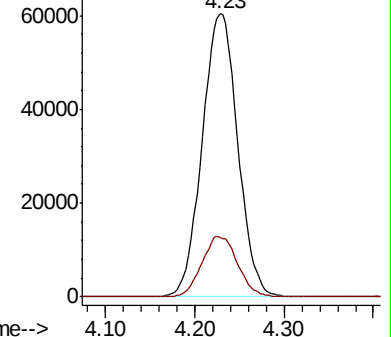
77 100

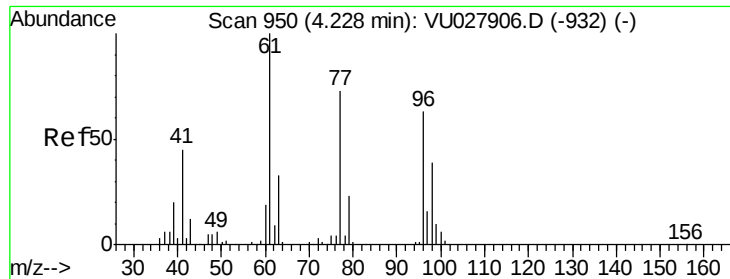
97 21.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

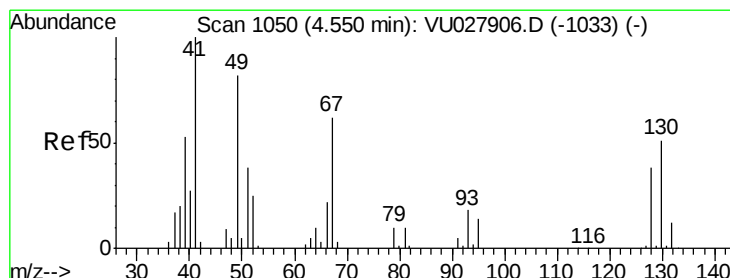
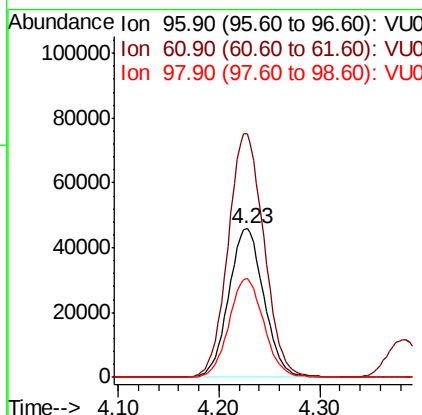
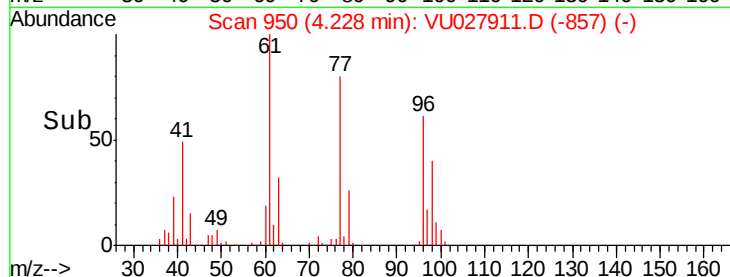
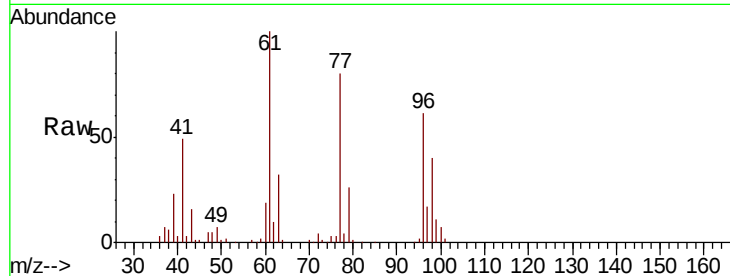
cis-1,2-Dichloroethene
Concen: 48.235 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.2	0.0	329.6
98	65.6	0.0	127.2

Manual Integrations
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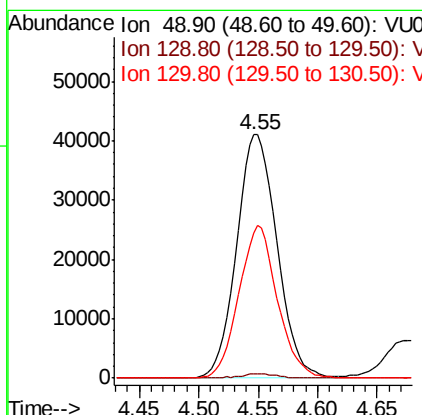
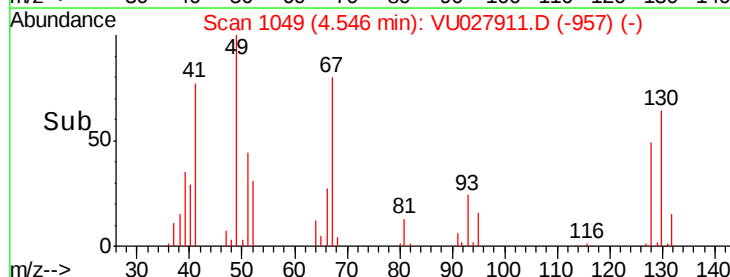
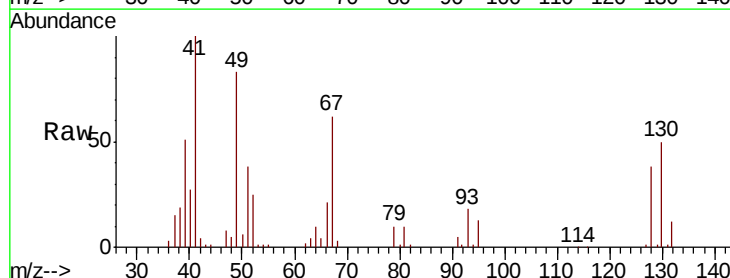
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11/5/2018 11:29:08 AM

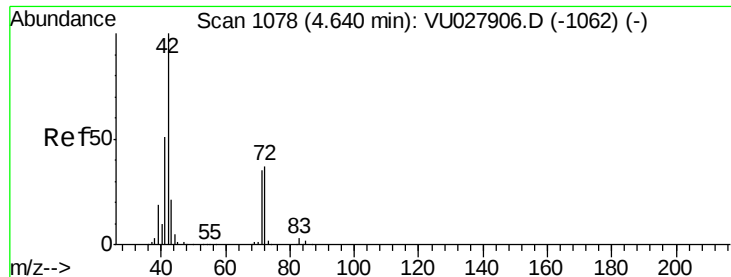


#28

Bromochloromethane
Concen: 45.848 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	59.6	47.8	71.6





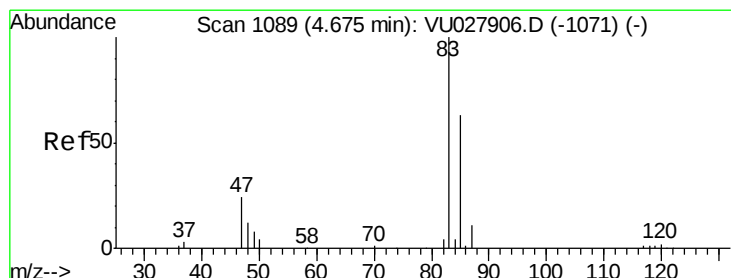
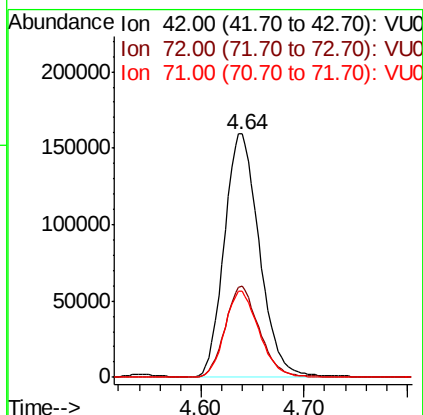
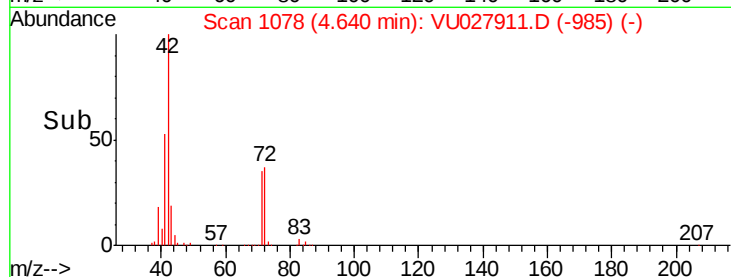
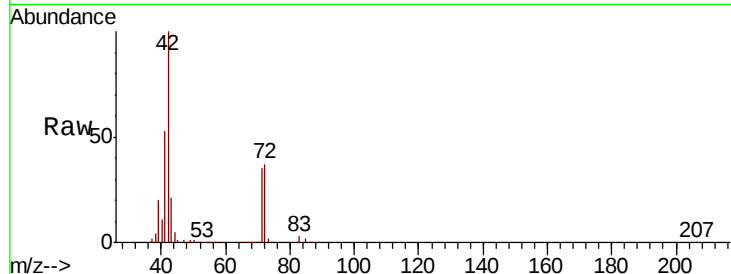
#29
Tetrahydrofuran
Concen: 225.689 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.4	44.0
71	34.8	27.9	41.9

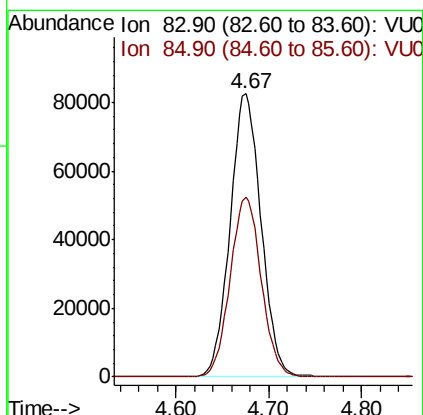
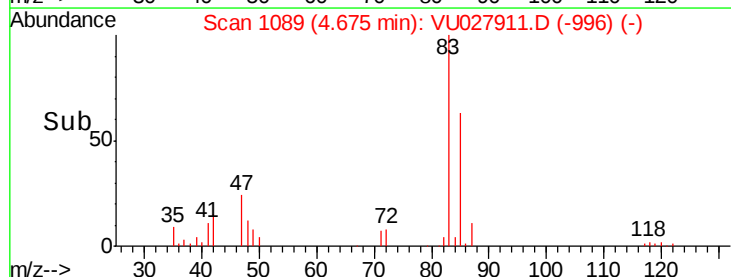
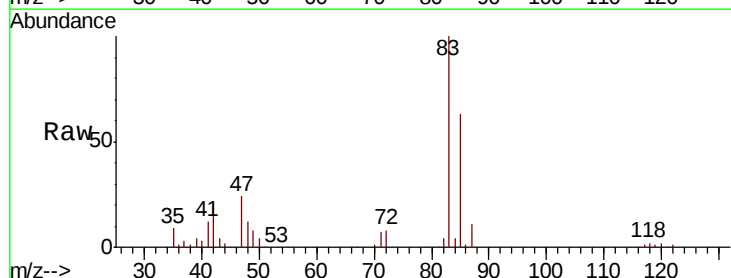
Manual Integrations
APPROVED

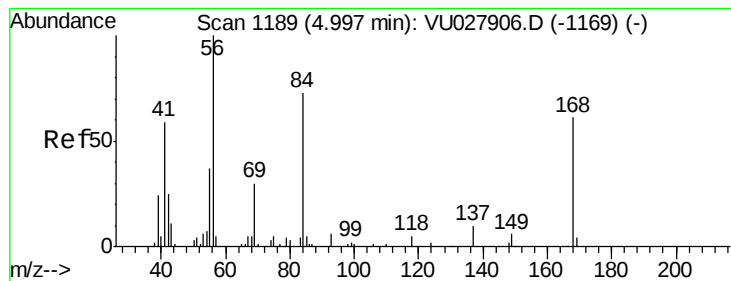
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#30
Chloroform
Concen: 46.526 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.6	76.0





#31

Cyclohexane

Concen: 48.035 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

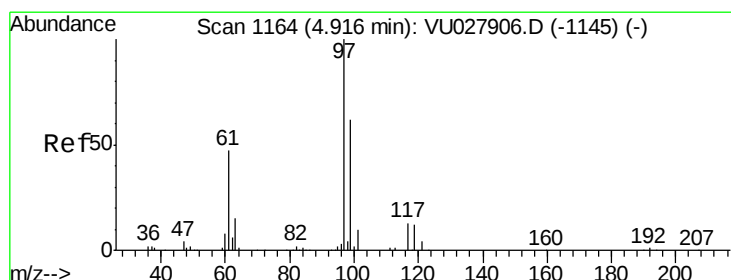
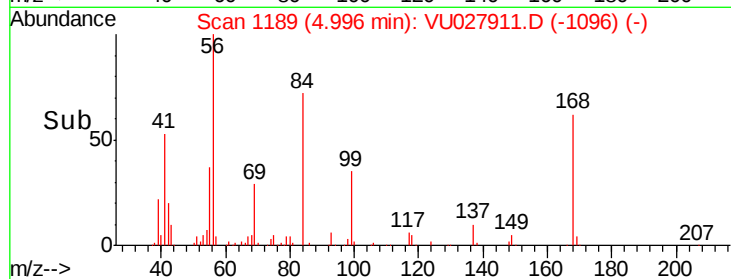
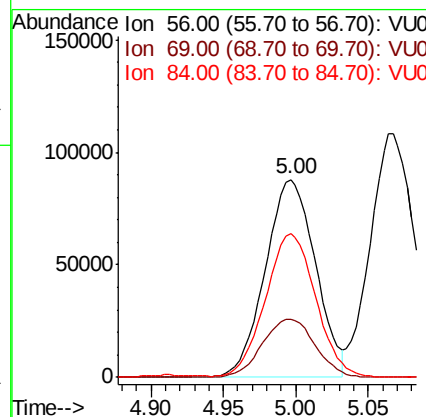
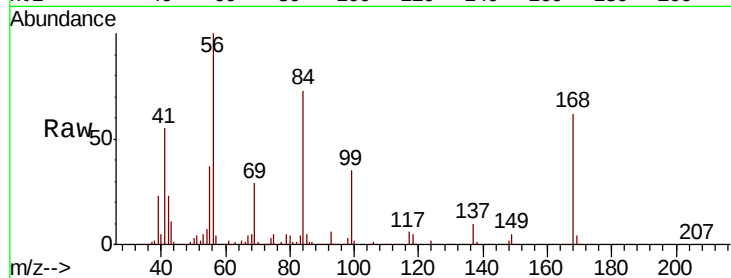
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	211797
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.7	35.5
84	71.6	58.2	87.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.526 ug/l

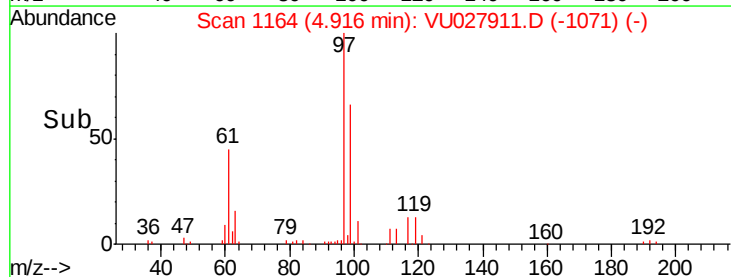
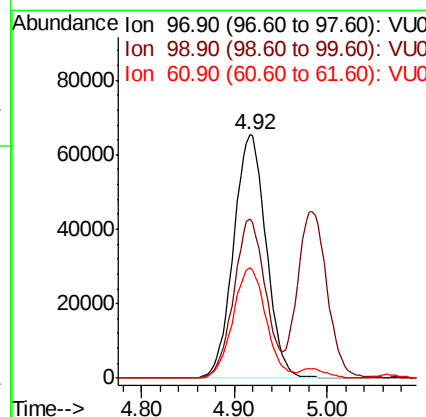
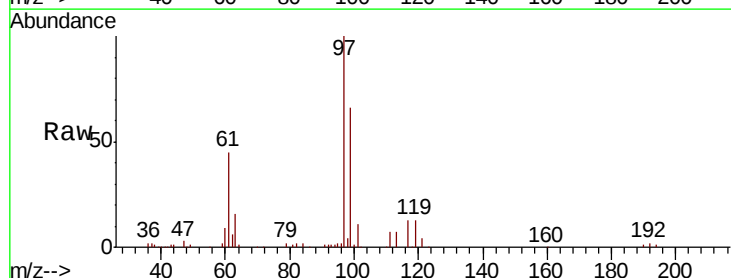
RT: 4.92 min Scan# 1164

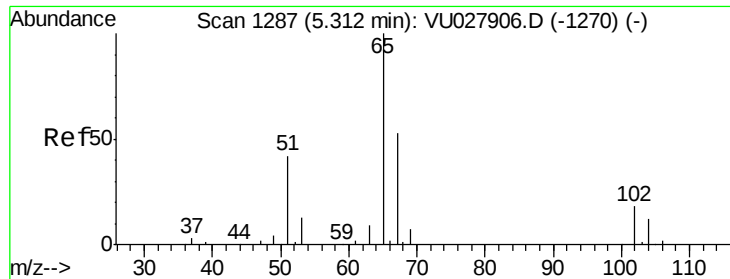
Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Tgt Ion:	97	Resp:	158919
Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.5	75.7
61	46.0	38.3	57.5





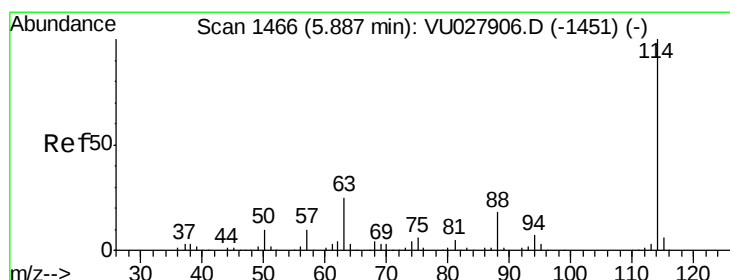
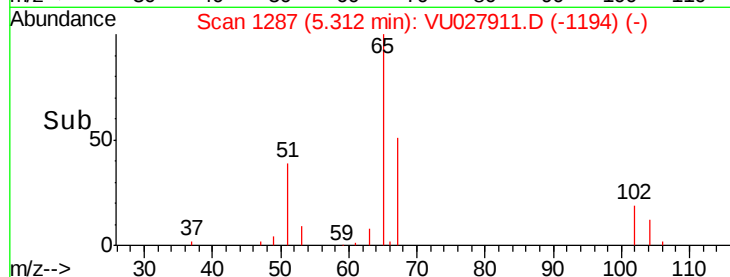
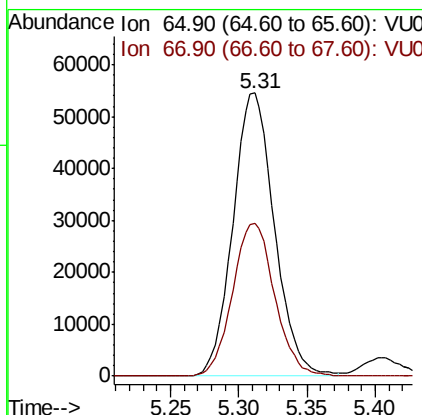
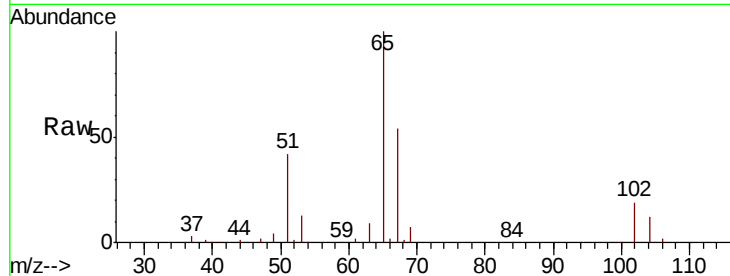
#33
 1,2-Dichloroethane-d4
 Concen: 45.459 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	115128		
67	54.8	0.0	109.0	

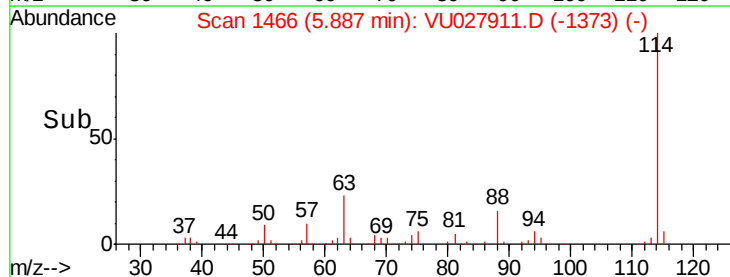
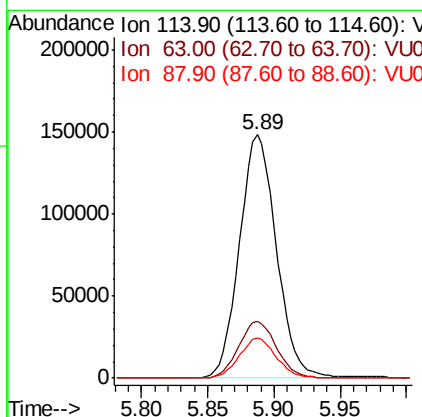
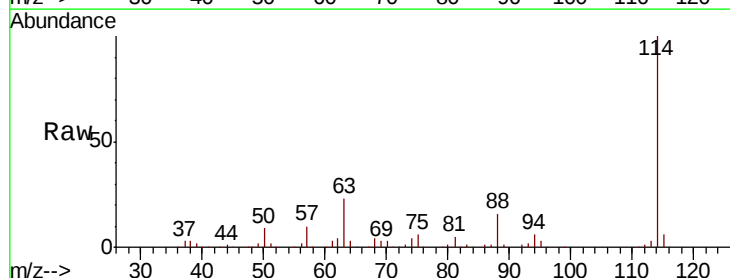
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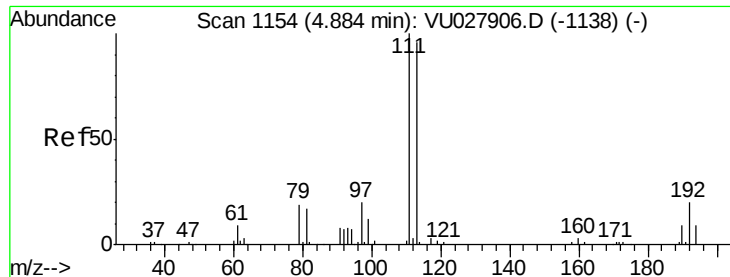
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	287340		
63	23.3	0.0	50.8	
88	16.3	0.0	35.8	





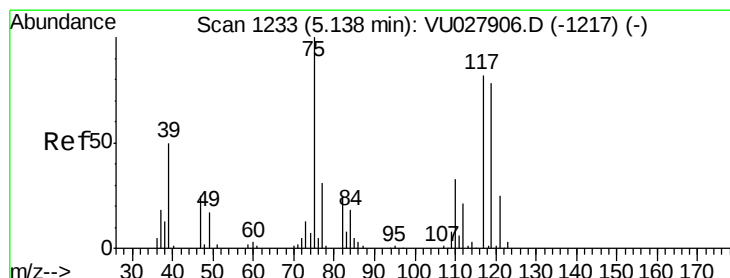
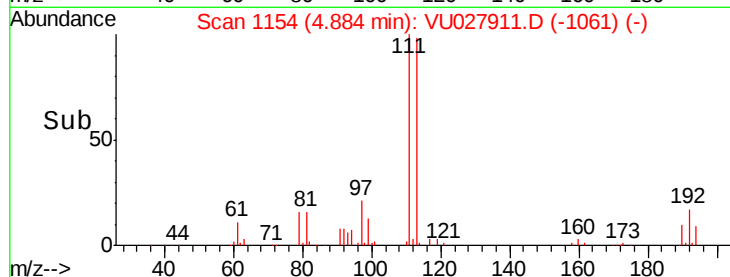
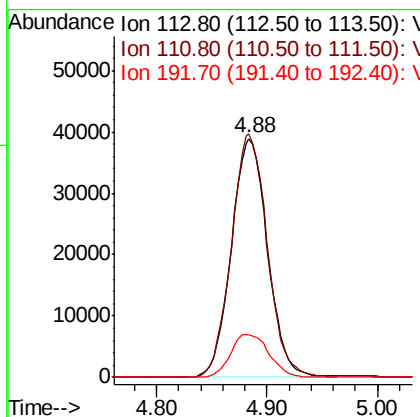
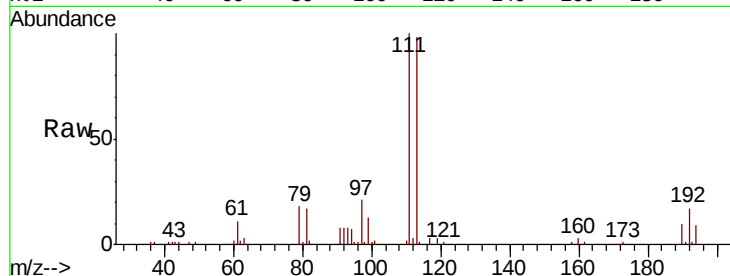
#35
 Dibromofluoromethane
 Concen: 48.787 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.0	124.6
192	19.2	15.6	23.4

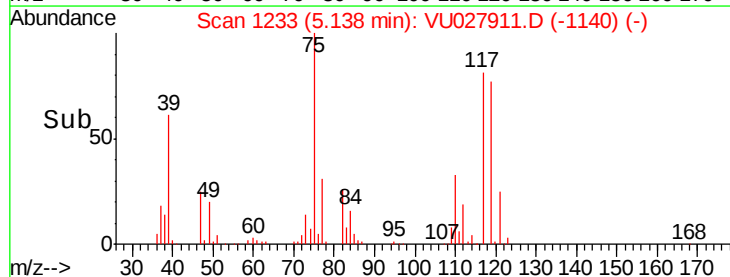
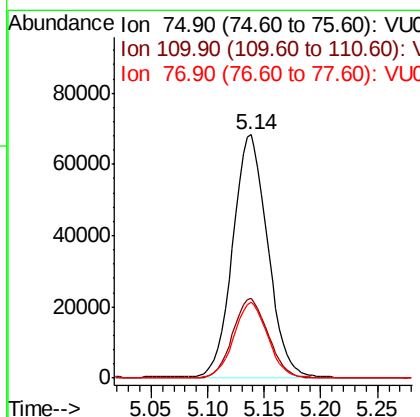
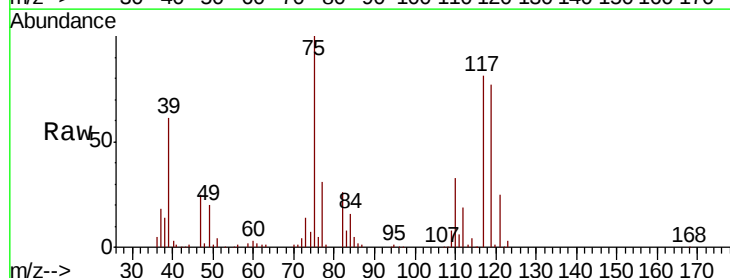
Manual Integrations
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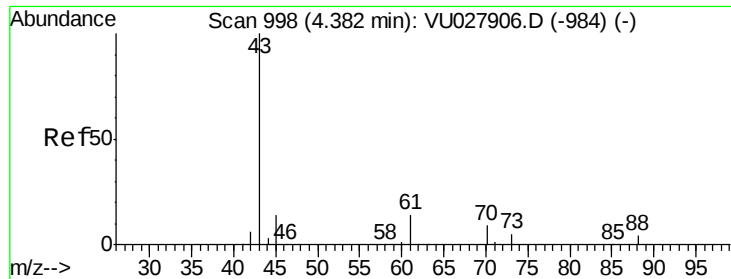
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#36
 1,1-Dichloropropene
 Concen: 48.477 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.5	49.5
77	30.8	24.9	37.3





#37

Ethyl Acetate

Concen: 46.935 ug/l

RT: 4.38 min Scan# 998

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

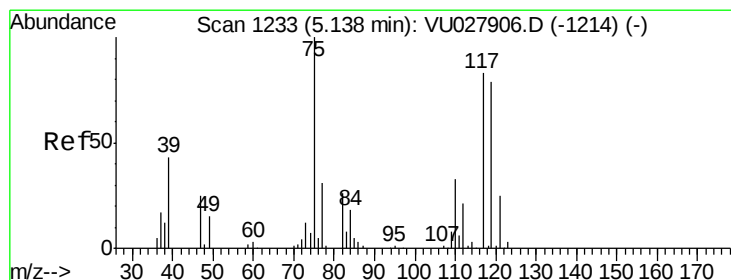
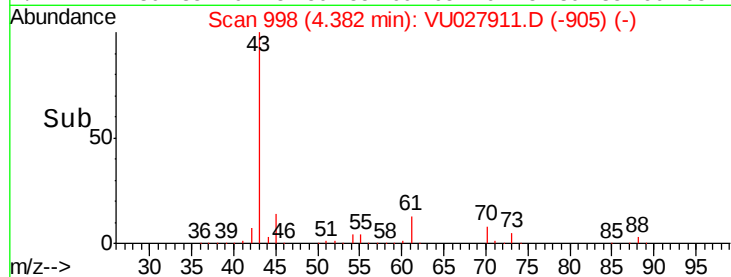
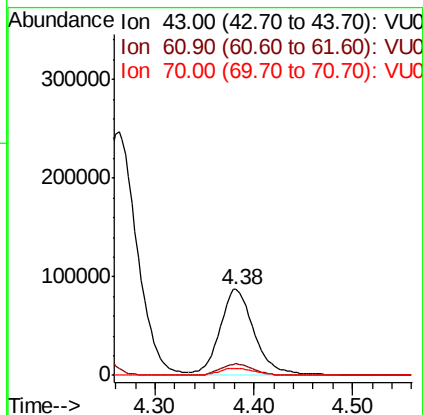
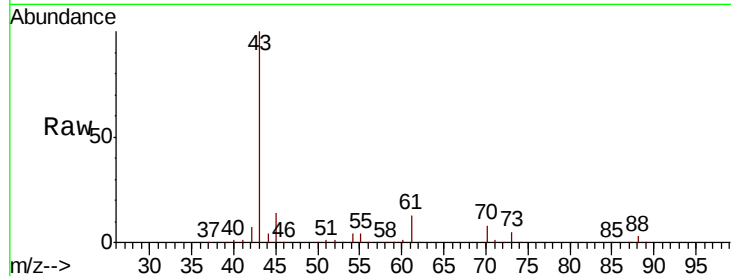
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	206958
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.3	15.5
70	8.9	7.0	10.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 48.268 ug/l

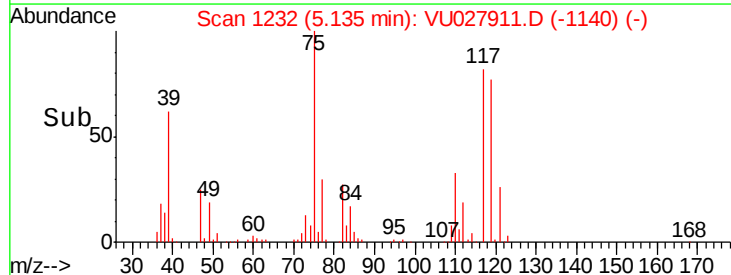
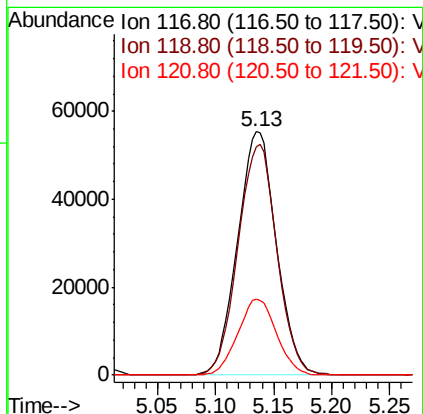
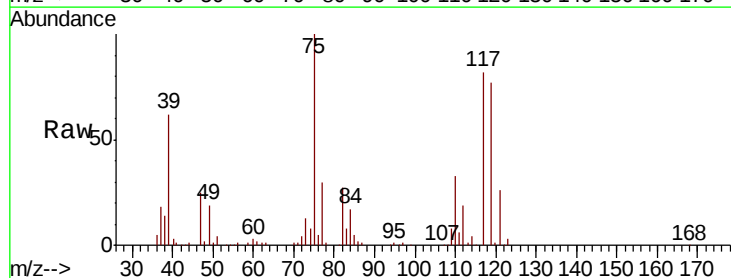
RT: 5.13 min Scan# 1232

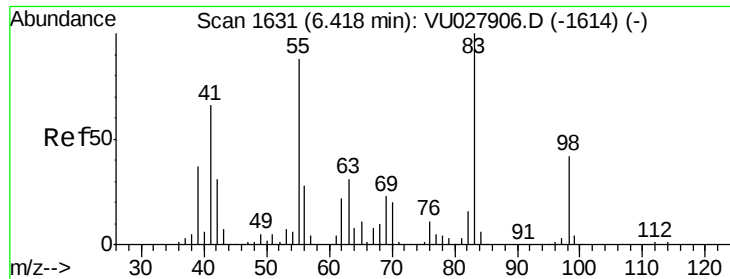
Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Tgt Ion:	117	Resp:	128730
Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.0	114.0
121	31.2	24.5	36.7





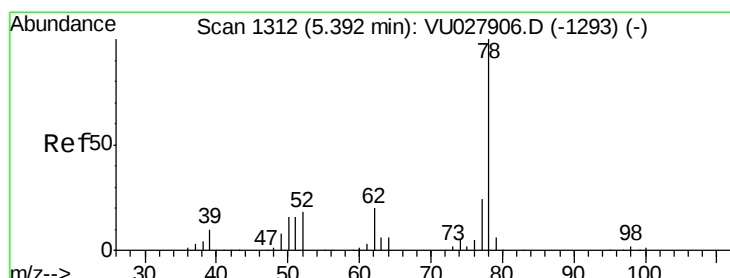
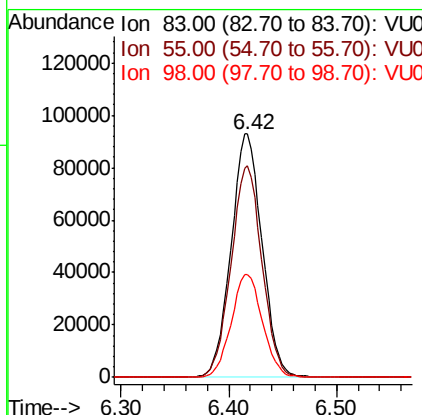
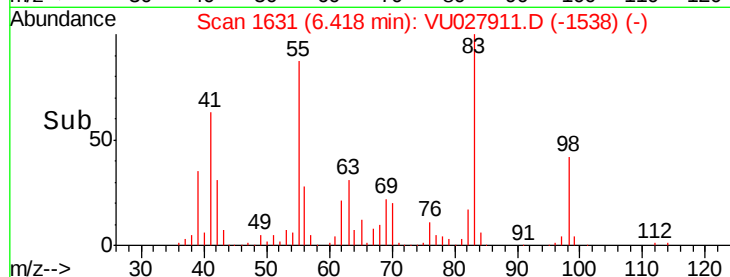
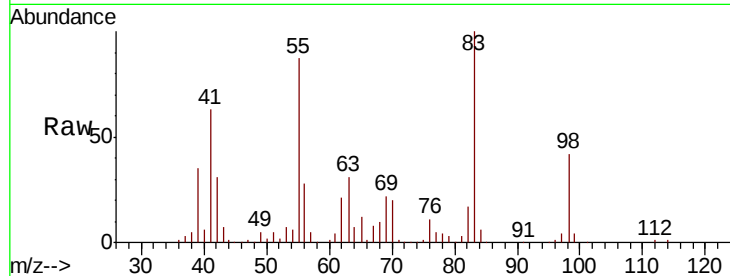
#39
Methvlcvclohexane
Concen: 51.307 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.7	70.3	105.5
98	42.4	34.0	51.0

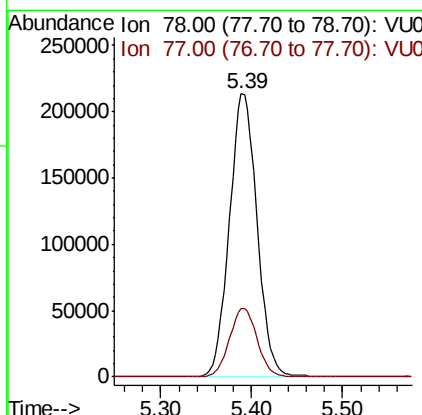
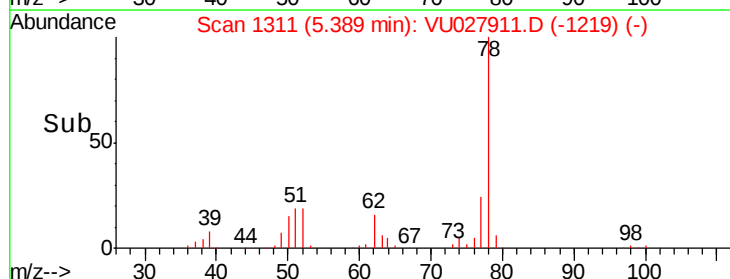
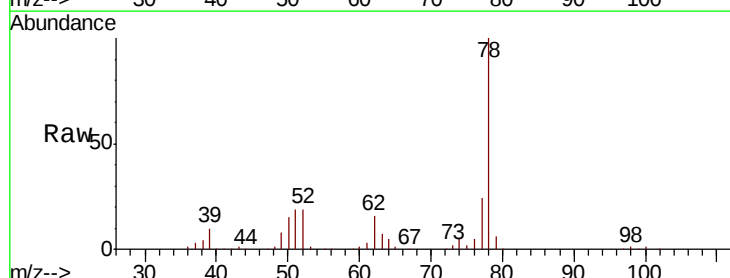
Manual Integrations
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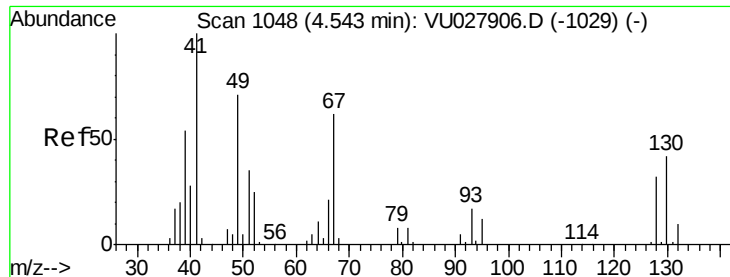
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#40
Benzene
Concen: 49.039 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9





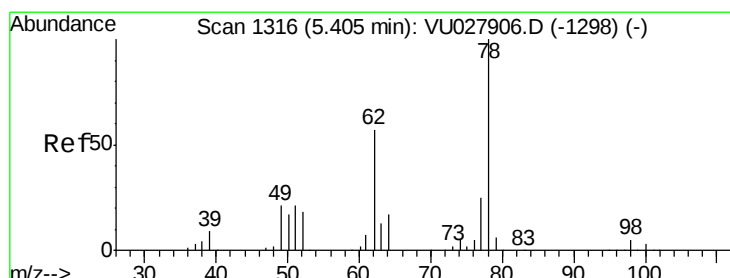
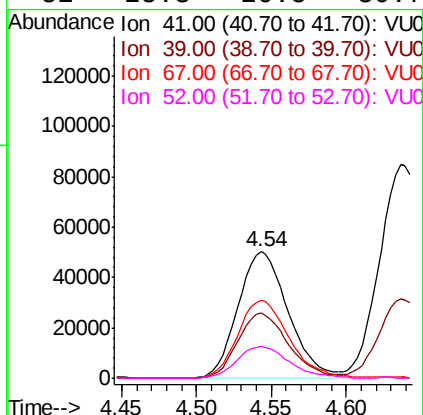
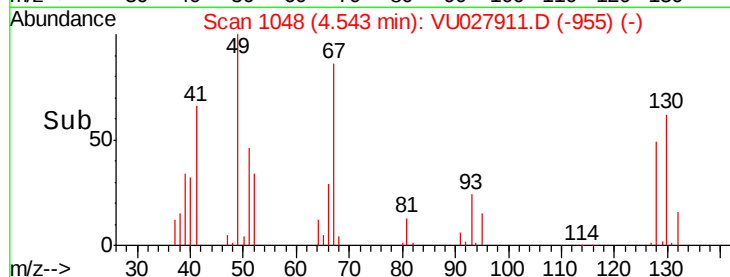
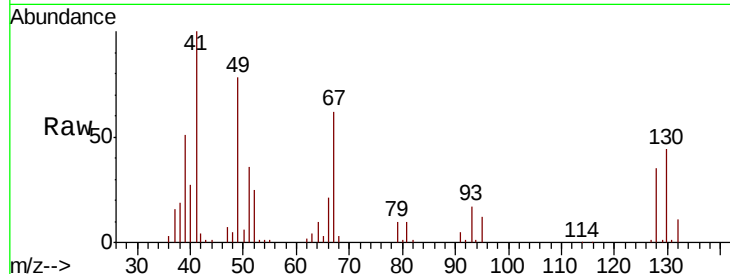
#41
Methacrylonitrile
Concen: 49.846 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	42.2	63.4	
67	63.4	49.5	74.3	
52	25.3	20.5	30.7	

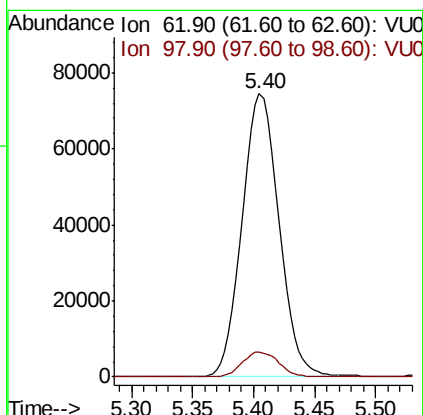
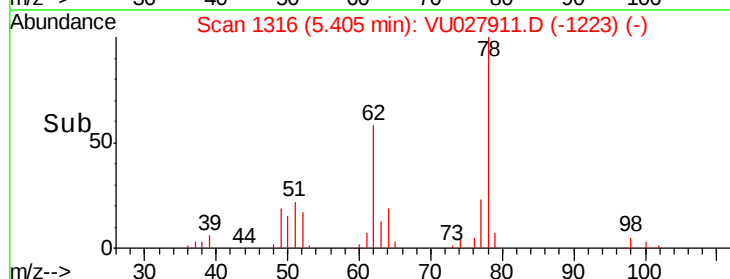
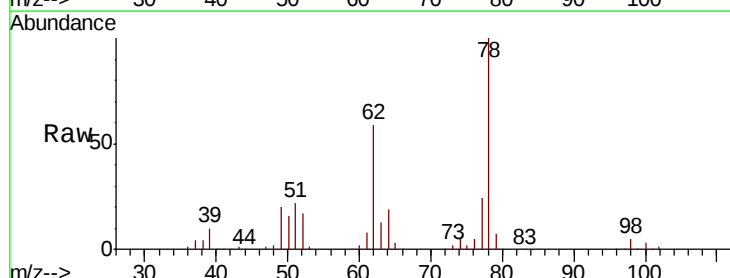
Manual Integrations
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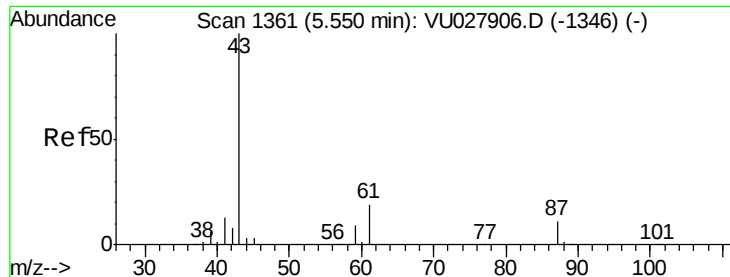
MMDadoda
11/5/2018 11:29:08 AM



#42
1,2-Dichloroethane
Concen: 47.806 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.2	





#43

Isopropyl Acetate

Concen: 48.474 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

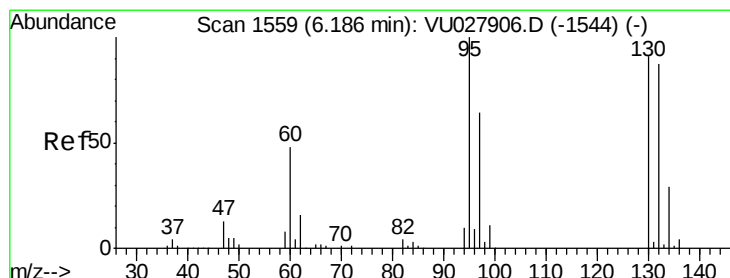
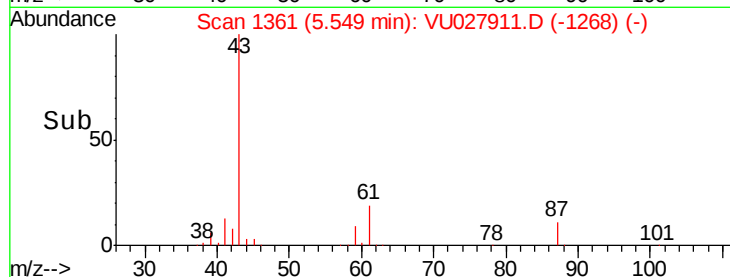
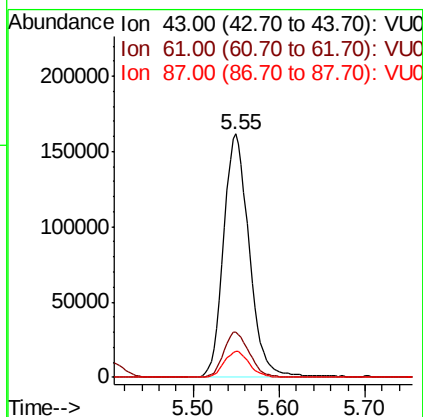
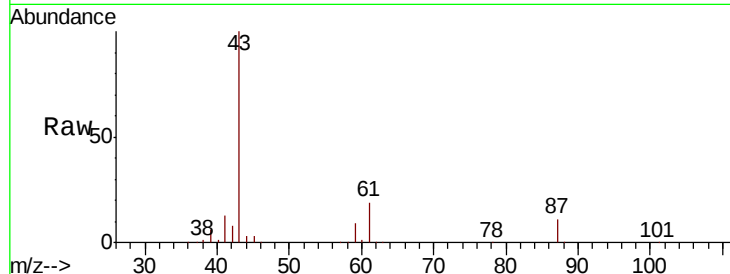
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	334877
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.0	22.4
87	10.5	8.6	12.8

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#44

Trichloroethene

Concen: 49.835 ug/l

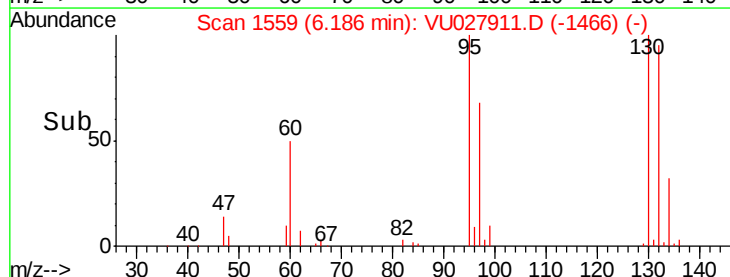
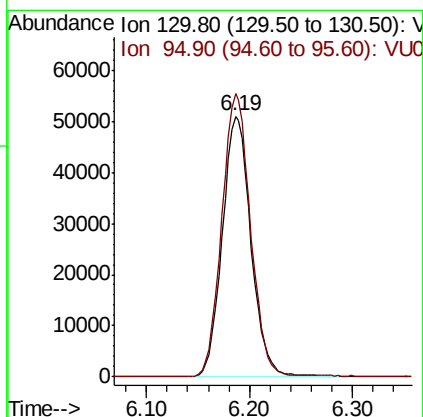
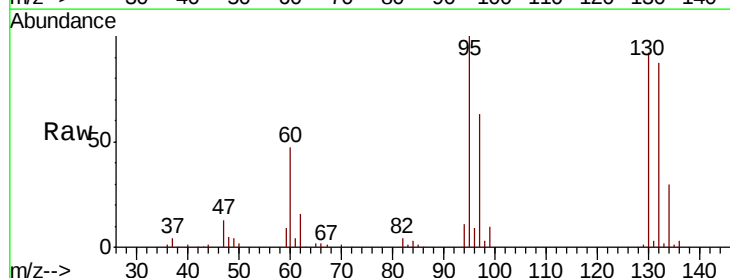
RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Tgt Ion:	130	Resp:	98562
Ion	Ratio	Lower	Upper
130	100		
95	108.7	0.0	219.2





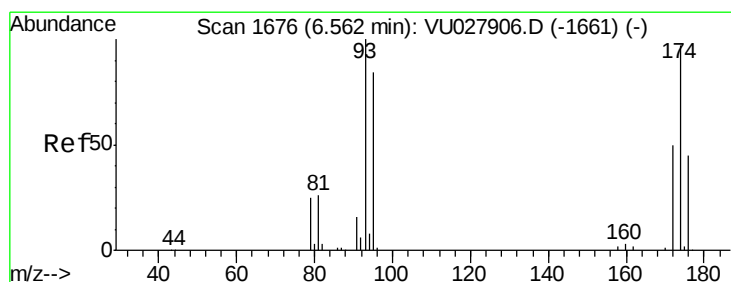
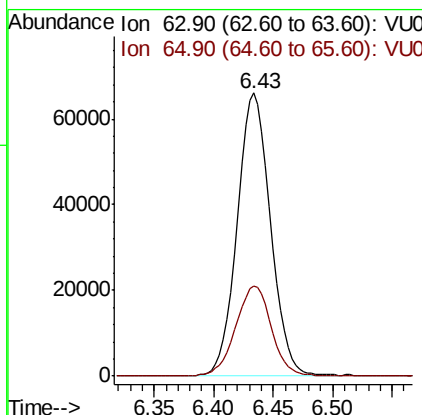
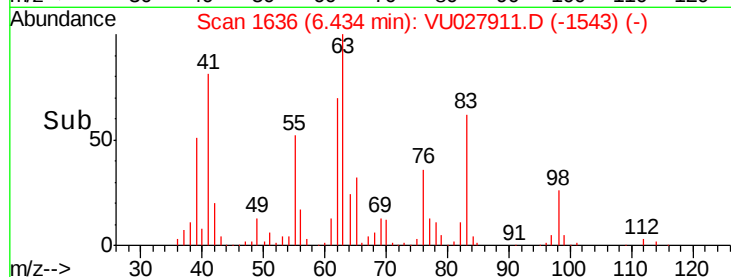
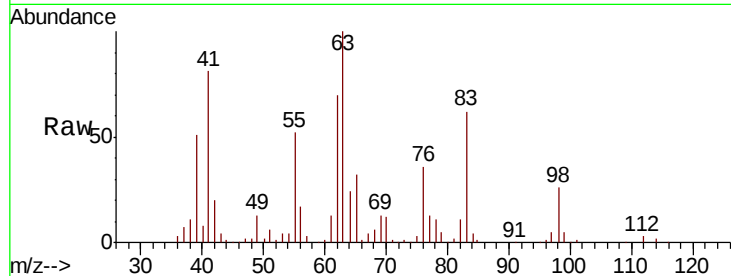
#45
 1,2-Dichloropropane
 Concen: 48.376 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 128365
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.4 36.6

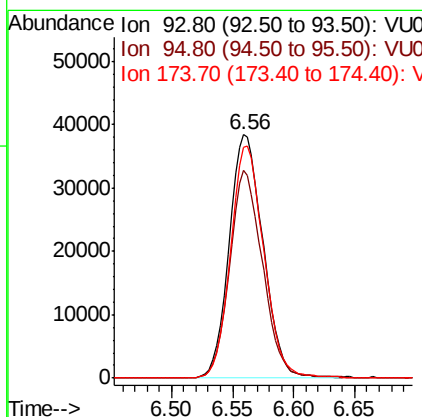
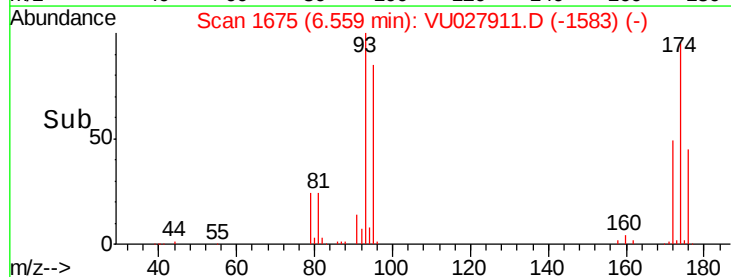
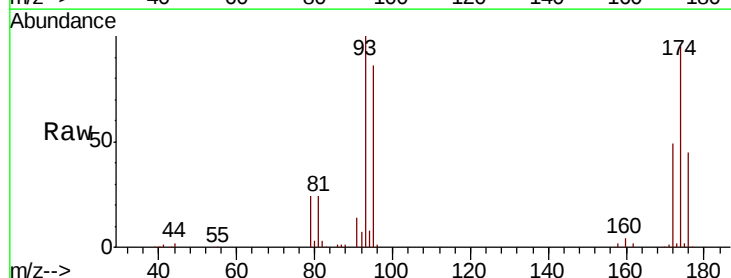
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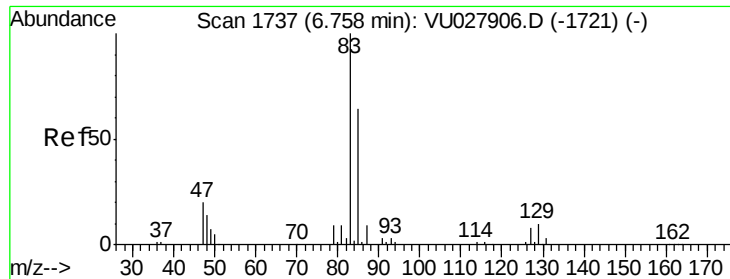
MMDadoda
 11/5/2018 11:29:08 AM



#46
 Dibromomethane
 Concen: 48.614 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Tgt Ion: 93 Resp: 74148
 Ion Ratio Lower Upper
 93 100
 95 83.1 68.5 102.7
 174 93.9 76.1 114.1





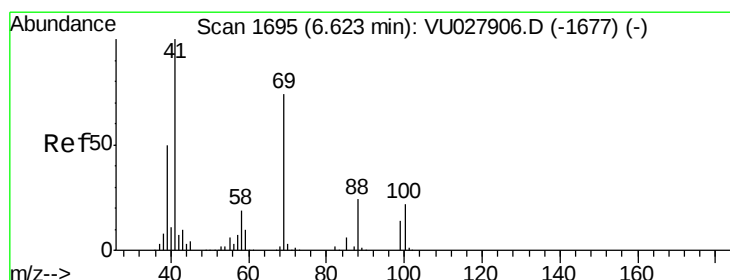
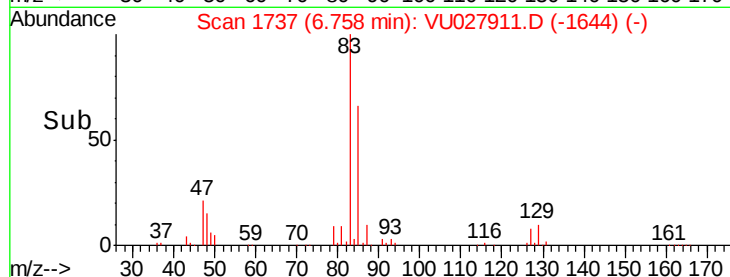
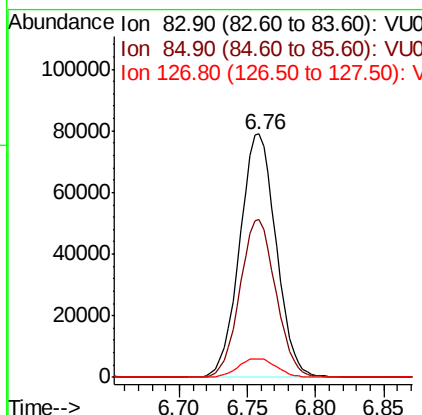
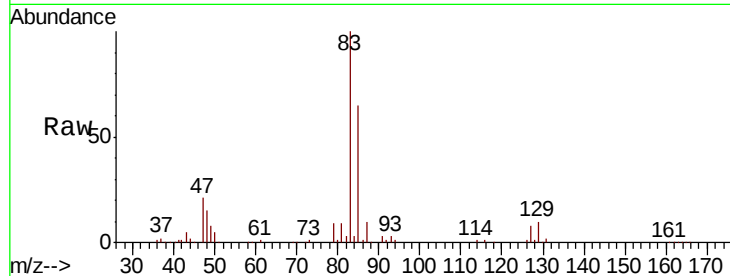
#47
Bromodichloromethane
Concen: 49.789 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	146347
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	51.0	76.6
127	7.5	6.2	9.4

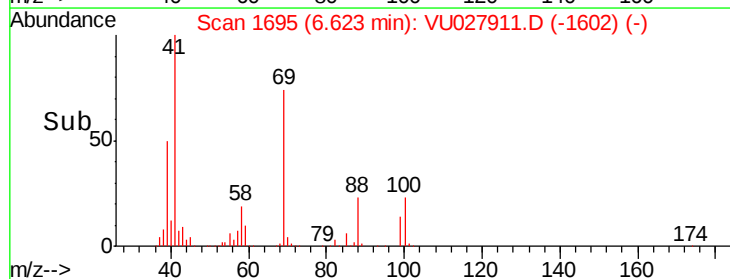
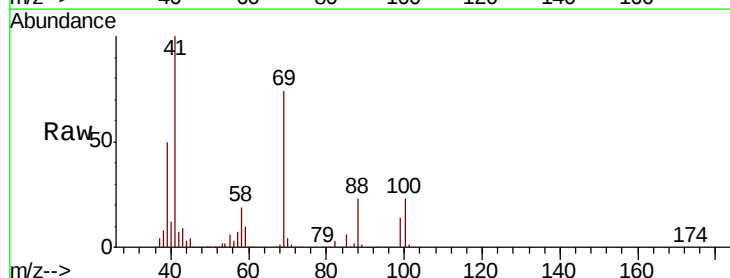
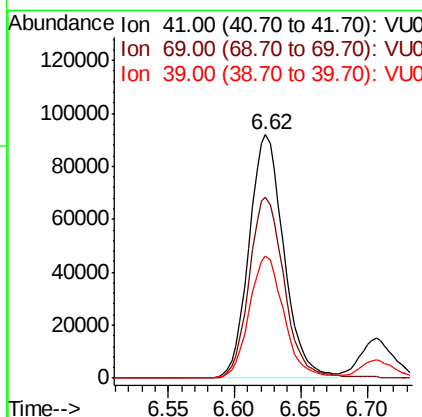
Manual Integrations
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#48
Methyl methacrylate
Concen: 49.384 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion	41	Resp	167182
Ion Ratio	100	Lower	Upper
41	100		
69	75.5	59.8	89.8
39	49.9	40.0	60.0





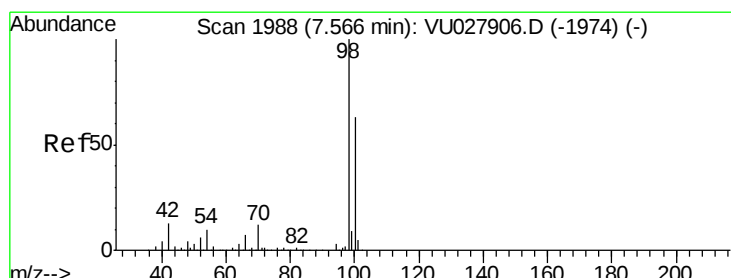
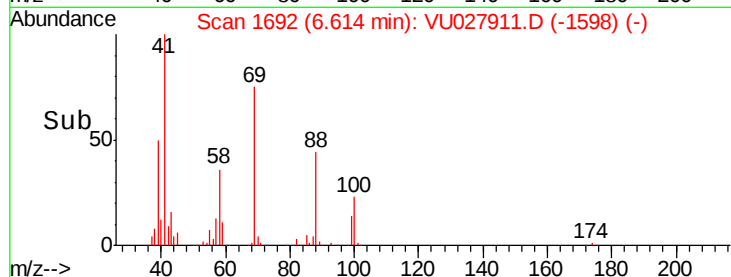
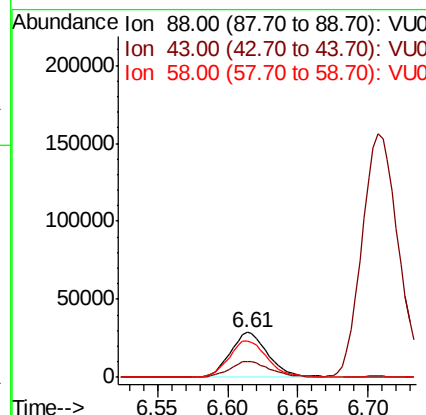
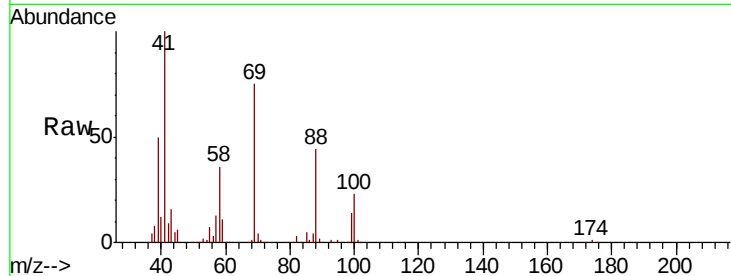
#49
1,4-Dioxane
Concen: 987.663 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	30.5	45.7
58	82.5	67.1	100.7

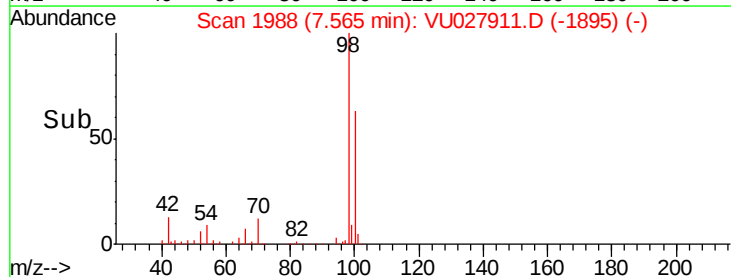
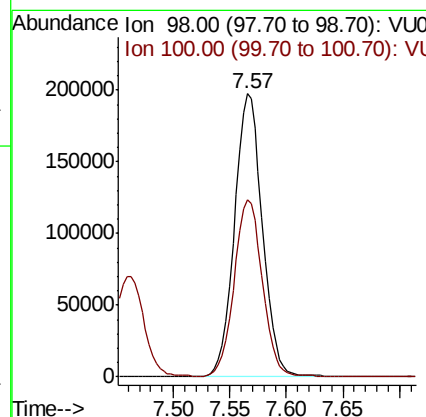
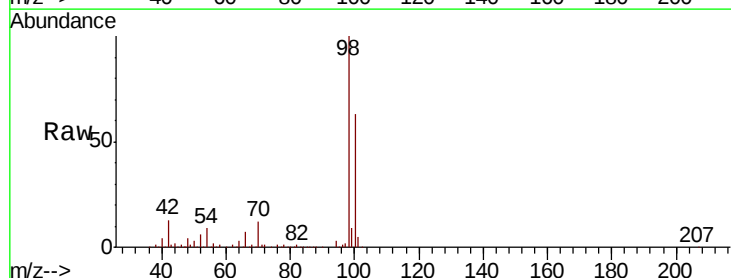
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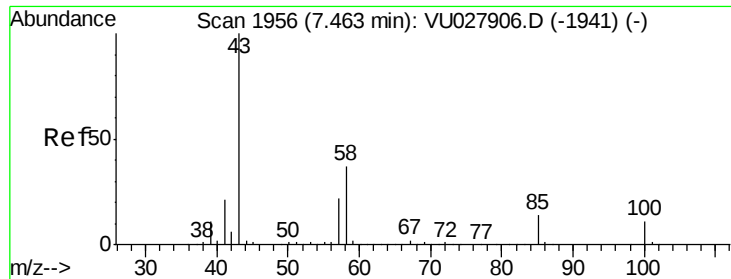
MMDadoda
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#50
Toluene-d8
Concen: 48.414 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 235.418 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1086124

Ion Ratio Lower Upper

43 100

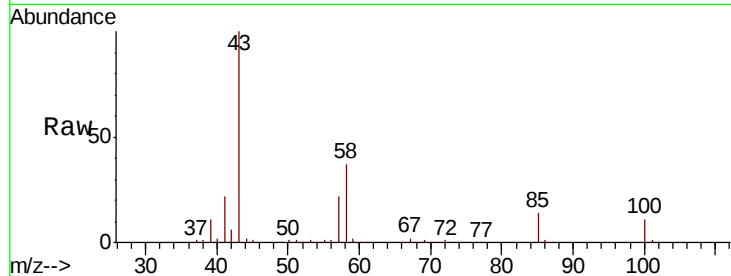
58 37.2 29.5 44.3

Manual Integrations

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MMDadoda

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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

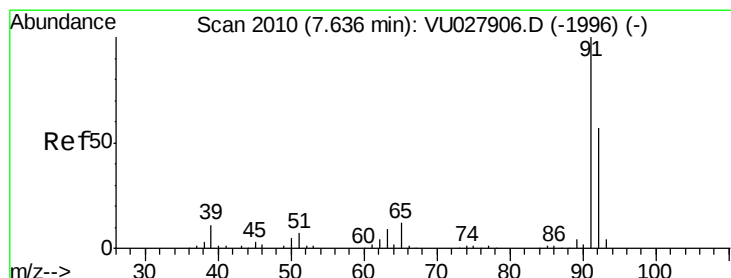
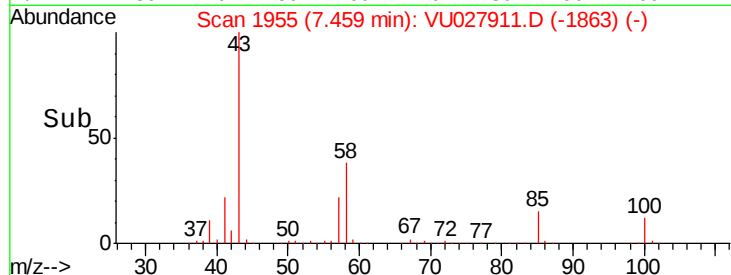
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.189 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027911.D

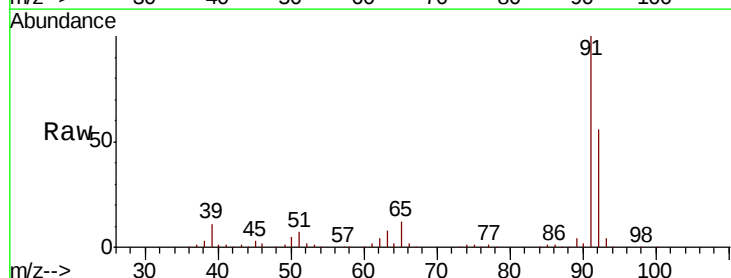
Acq: 02 Nov 2018 09:10

Tgt Ion: 92 Resp: 266072

Ion Ratio Lower Upper

92 100

91 176.5 141.2 211.8



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

250000

200000

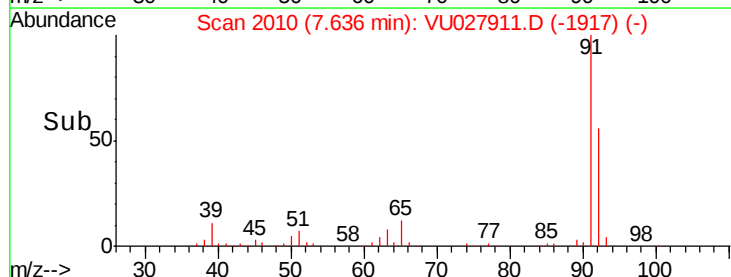
150000

100000

50000

0

Time-->





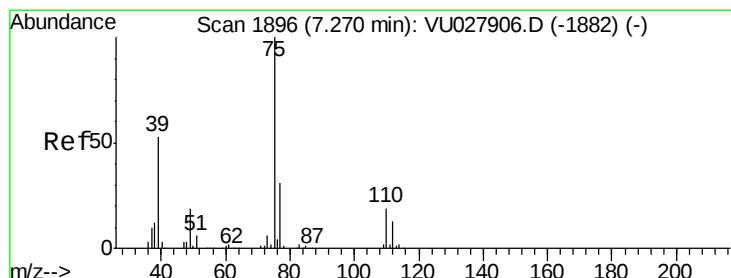
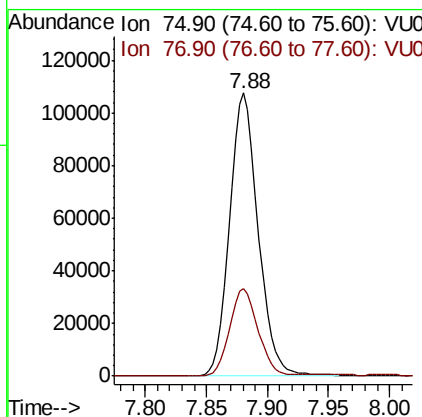
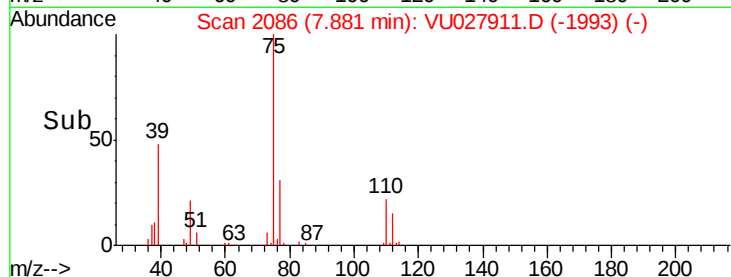
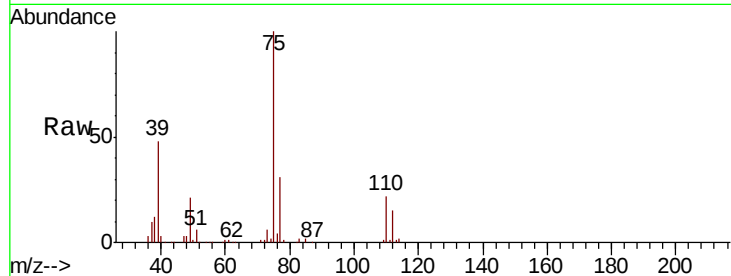
#53
t-1,3-Dichloropropene
Concen: 48.403 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 176298
Ion Ratio Lower Upper
75 100
77 31.1 25.1 37.7

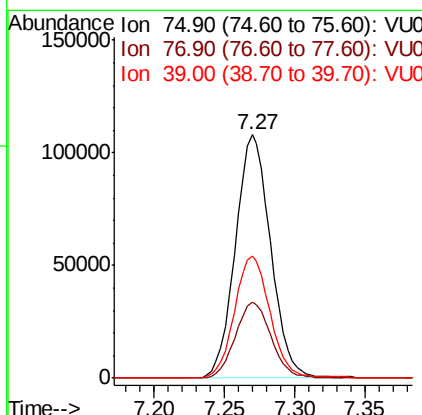
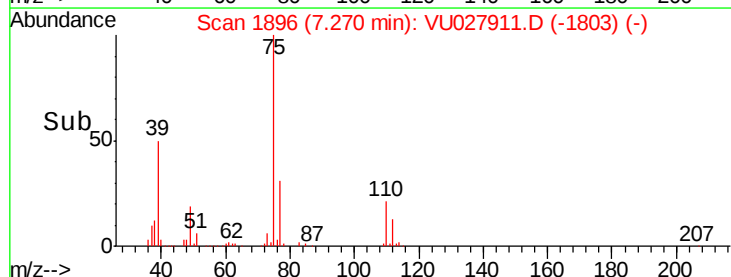
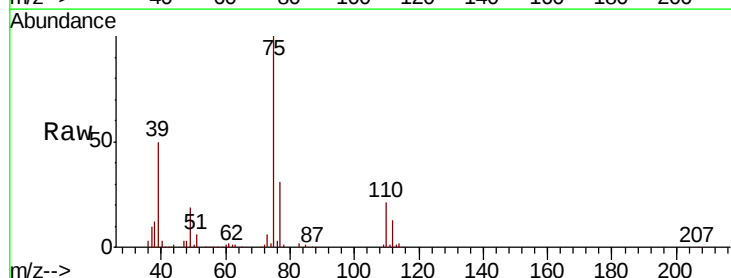
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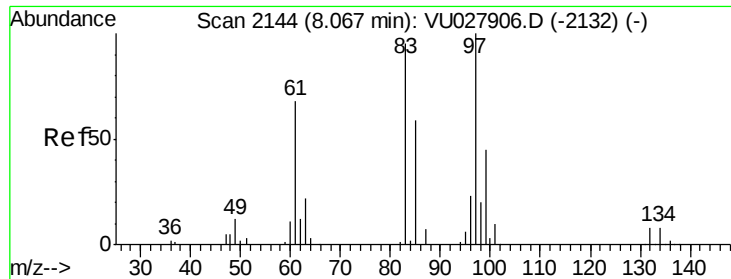
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#54
cis-1,3-Dichloropropene
Concen: 52.173 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion: 75 Resp: 189049
Ion Ratio Lower Upper
75 100
77 30.9 24.6 37.0
39 50.2 42.6 64.0





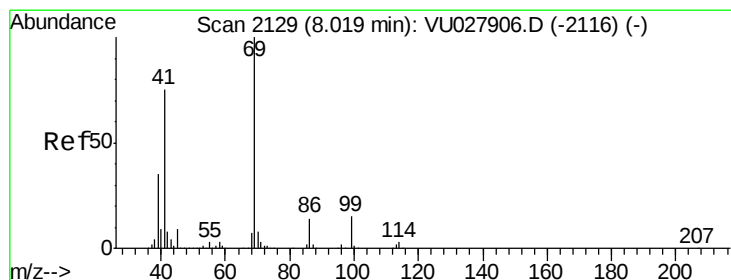
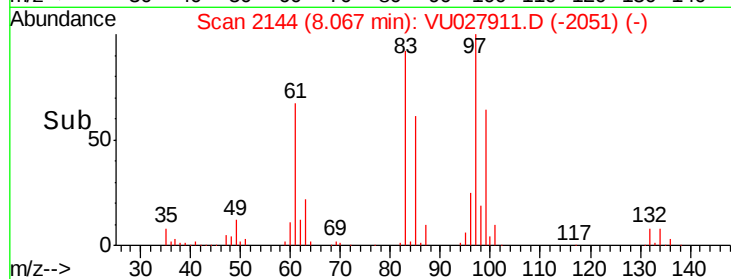
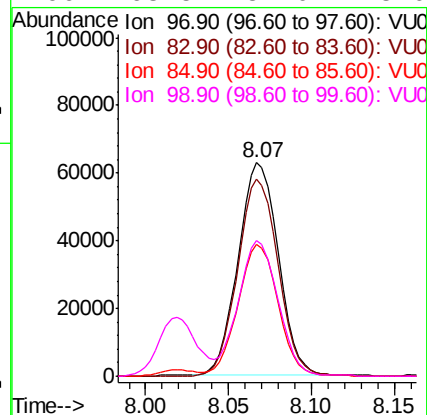
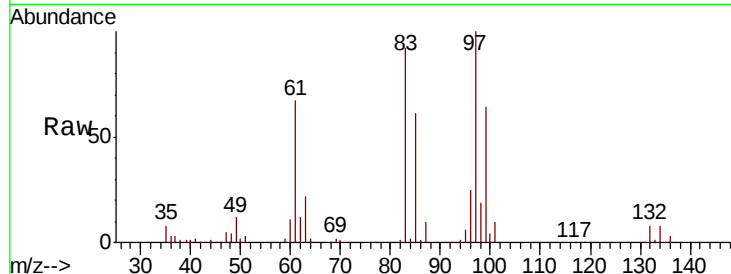
#55
 1,1,2-Trichloroethane
 Concen: 48.210 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	106096
Ion	Ratio	Lower	Upper
97	100		
83	92.8	76.1	114.1
85	61.4	48.9	73.3
99	63.5	52.0	78.0

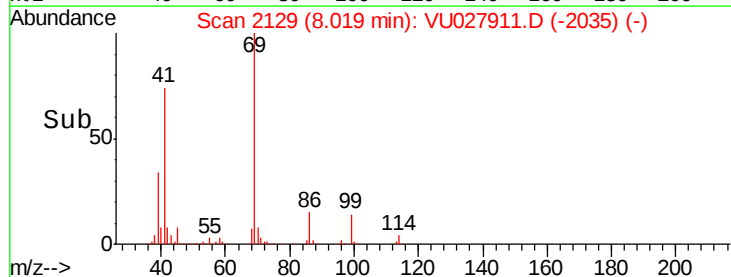
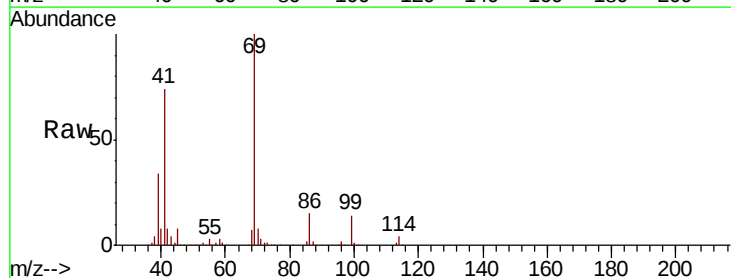
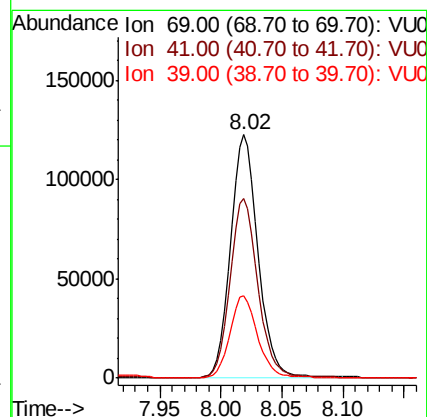
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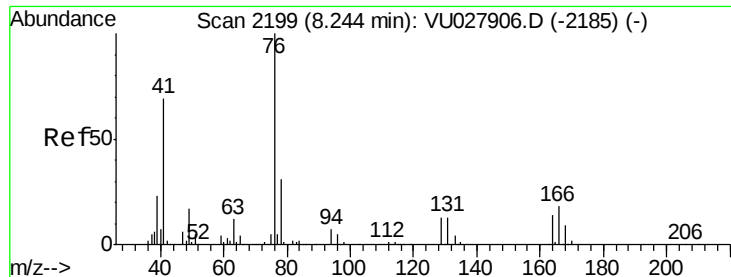
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#56
 Ethyl methacrylate
 Concen: 50.128 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Tgt Ion:	69	Resp:	194542
Ion	Ratio	Lower	Upper
69	100		
41	74.6	59.8	89.6
39	33.8	28.6	42.8





#57

1,3-Dichloropropane

Concen: 48.658 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 195057

Ion Ratio Lower Upper

76 100

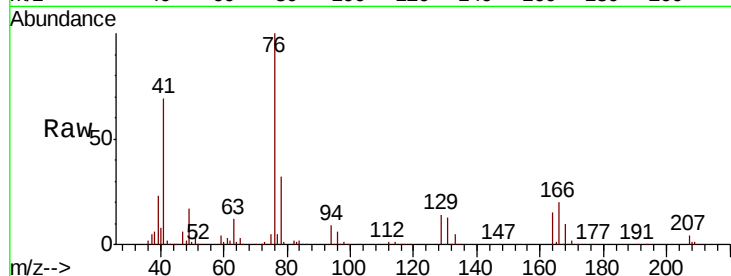
78 32.3 25.3 37.9

Manual Integrations

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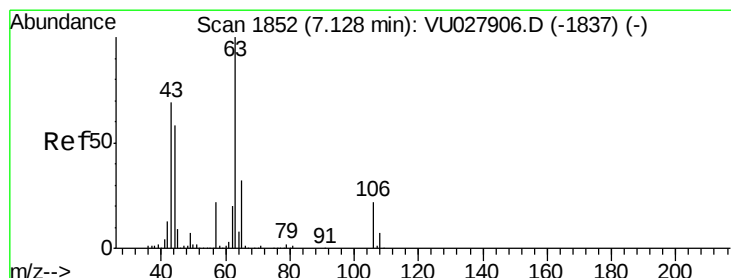
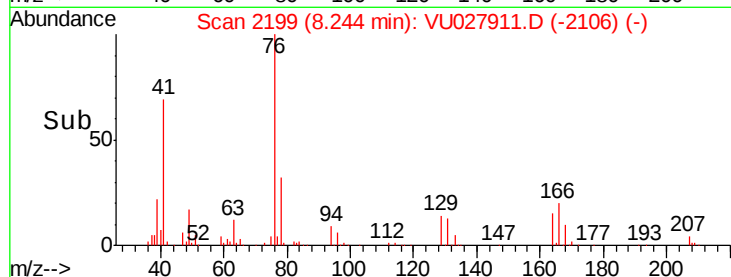
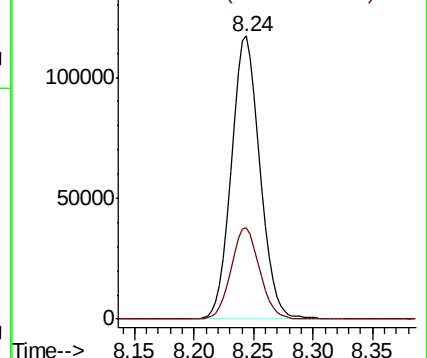
MMDadoda

11/5/2018 11:29:08 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 266.413 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU027911.D

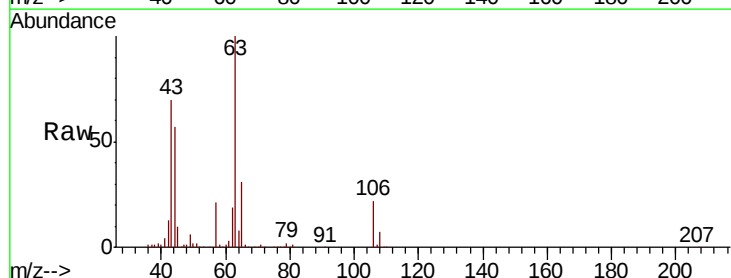
Acq: 02 Nov 2018 09:10

Tgt Ion: 63 Resp: 553742

Ion Ratio Lower Upper

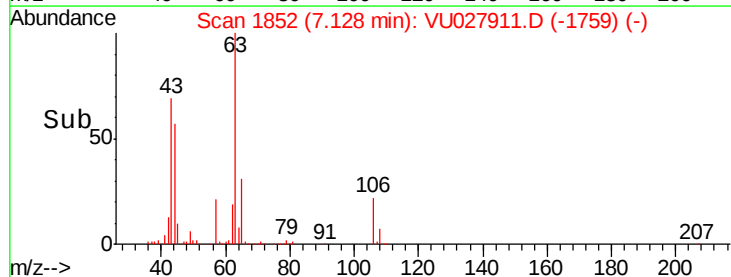
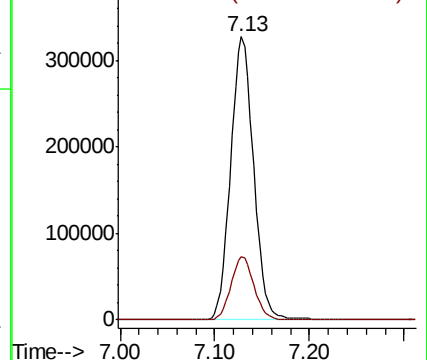
63 100

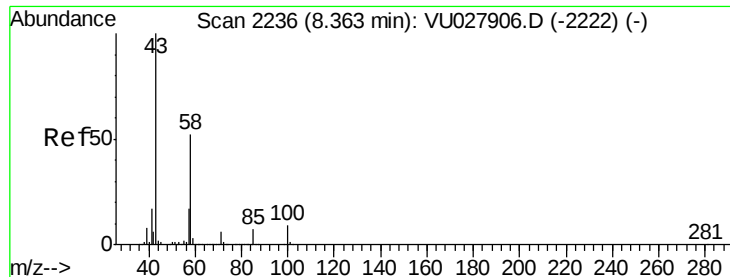
106 22.3 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





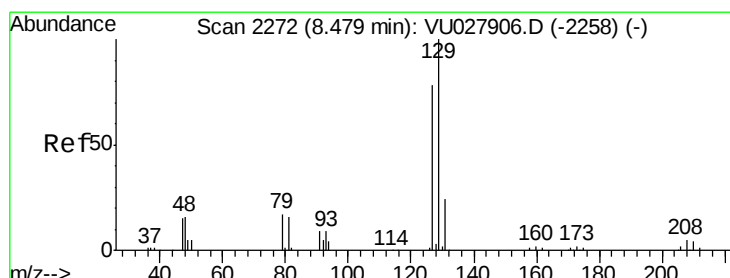
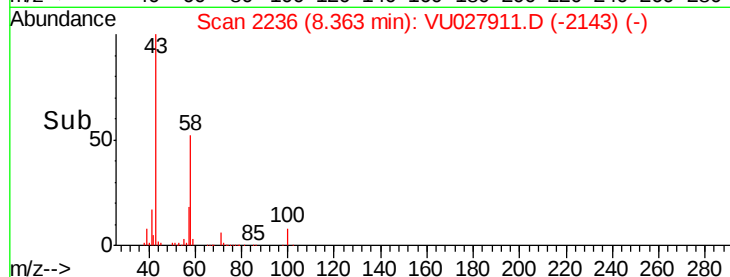
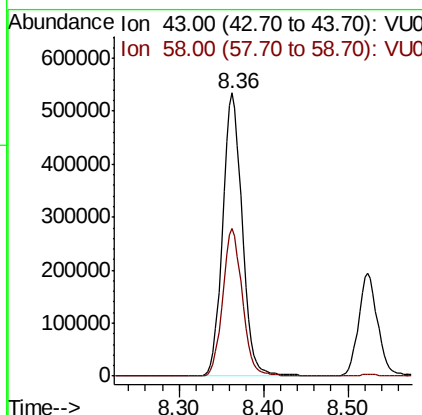
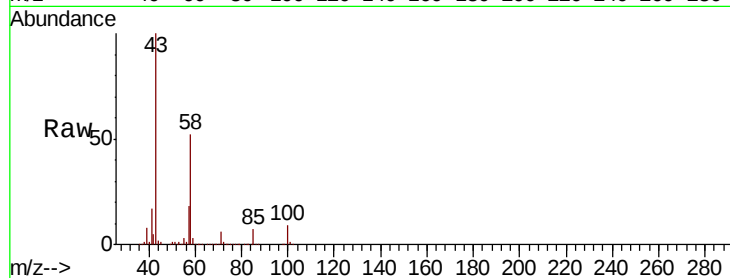
#59
2-Hexanone
Concen: 241.140 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.3	25.8	77.3

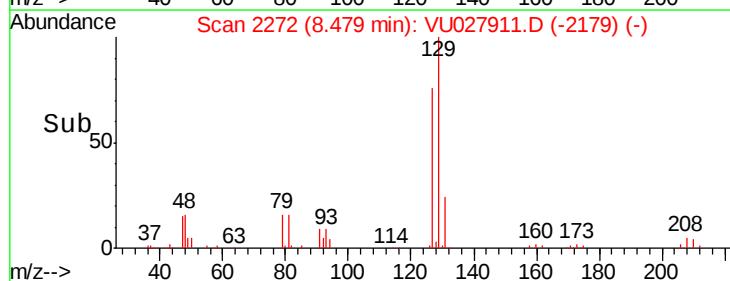
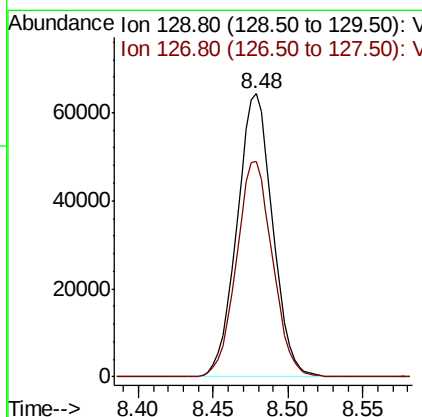
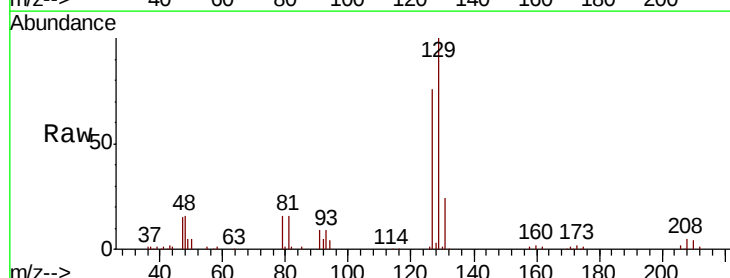
Manual Integrations
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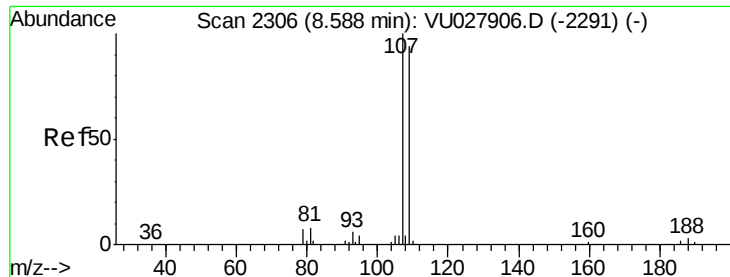
MMDadoda
11/5/2018 11:29:08 AM



#60
Dibromochloromethane
Concen: 51.143 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.2	117.6





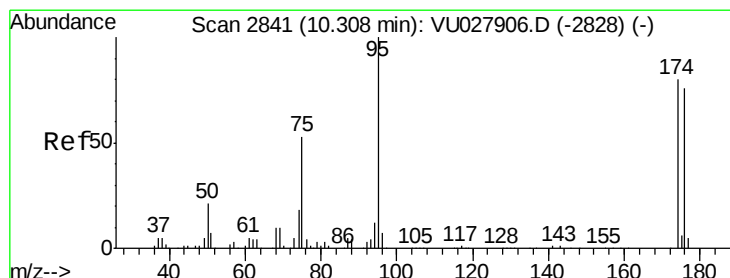
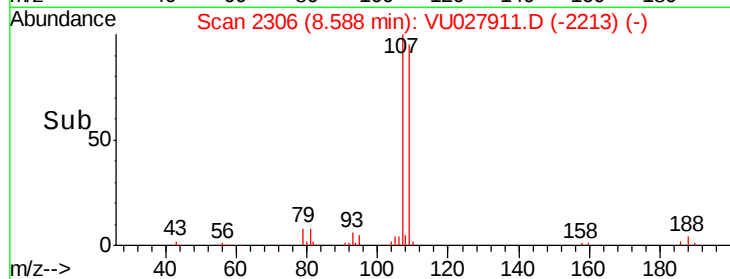
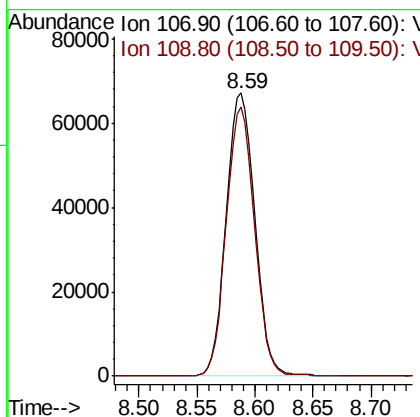
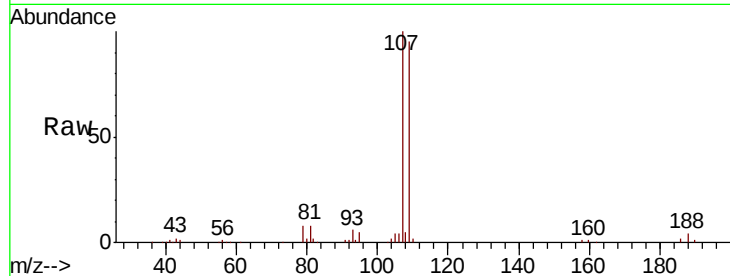
#61
 1,2-Dibromoethane
 Concen: 49.053 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.8	110.8

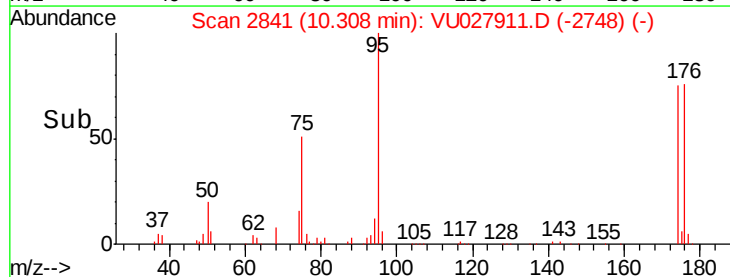
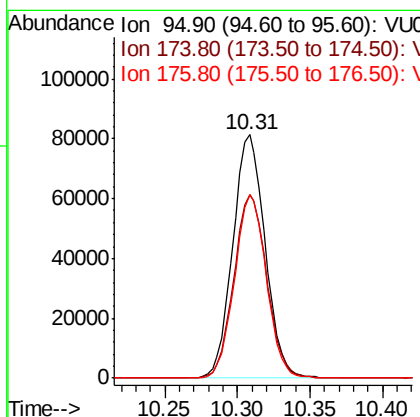
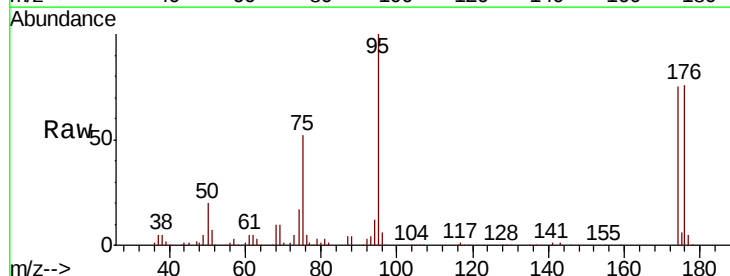
Manual Integrations
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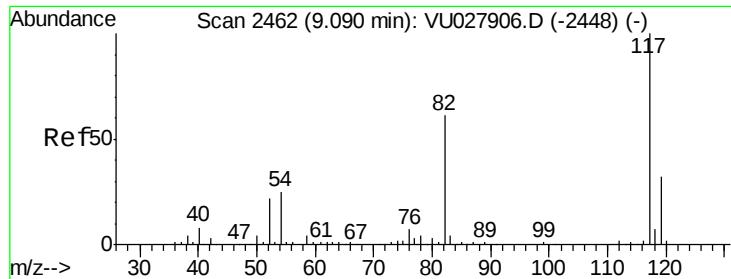
MMDadoda
 11/5/2018 11:29:08 AM



#62
 4-Bromofluorobenzene
 Concen: 48.648 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	156.4
176	74.4	0.0	150.8





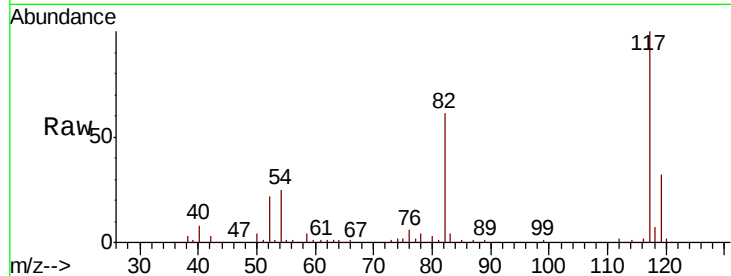
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	48.6	73.0
119	31.9	25.8	38.8

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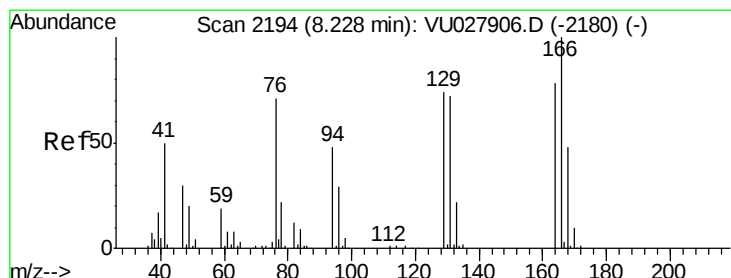
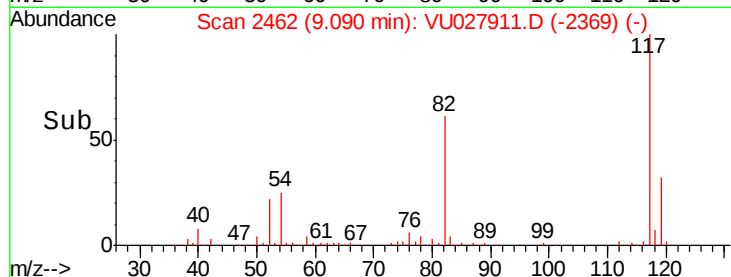
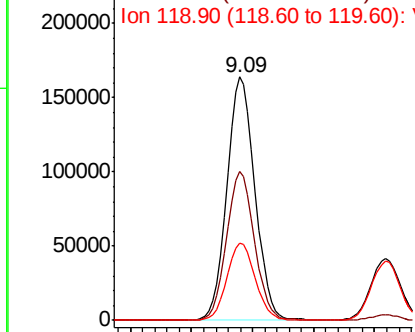


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 49.156 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.1	153.1
129	95.7	75.9	113.9
131	92.1	73.0	109.6

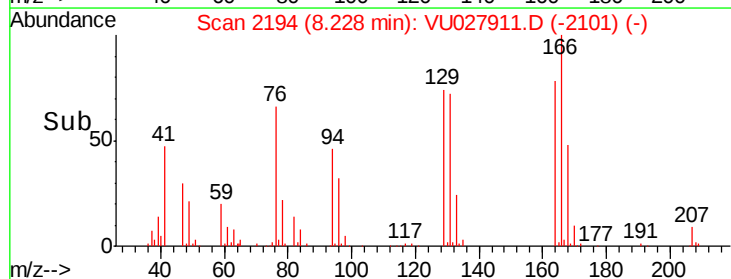
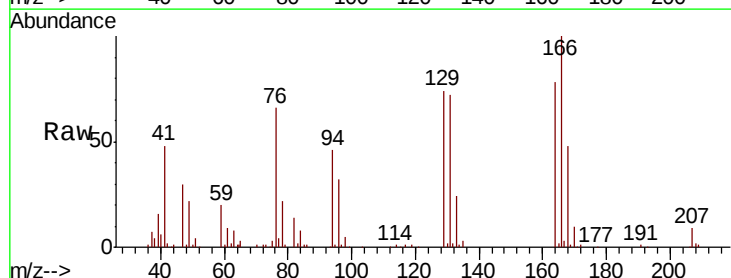
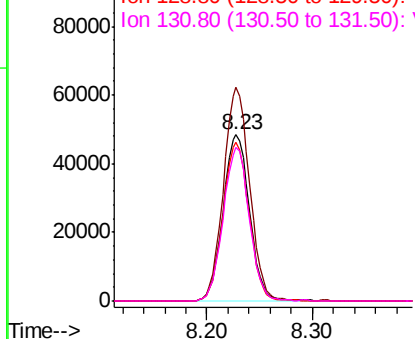
Abundance

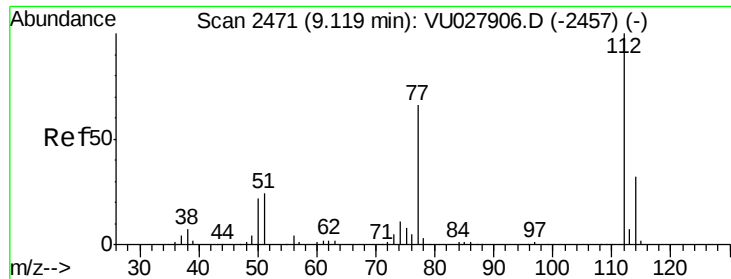
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





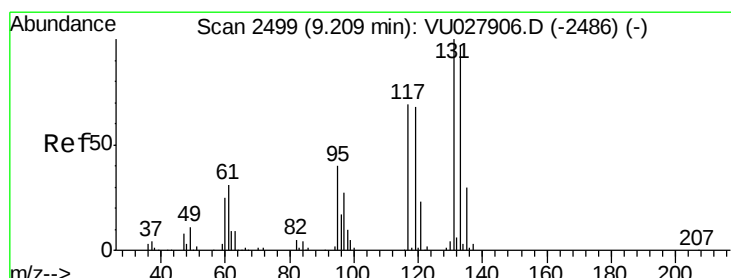
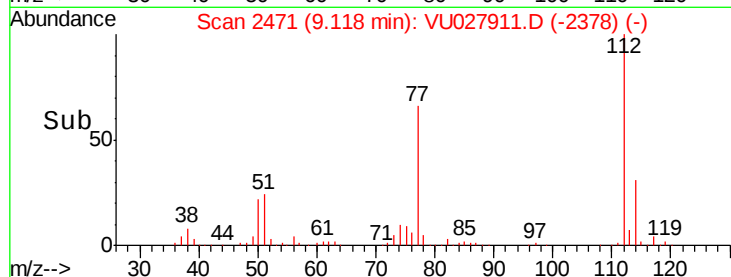
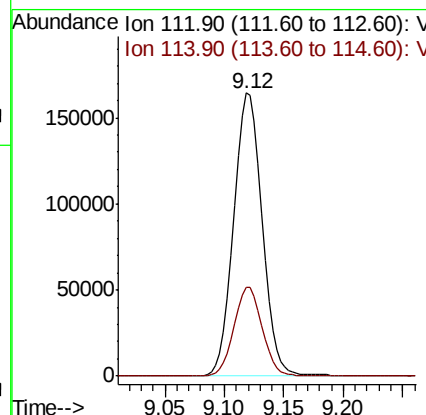
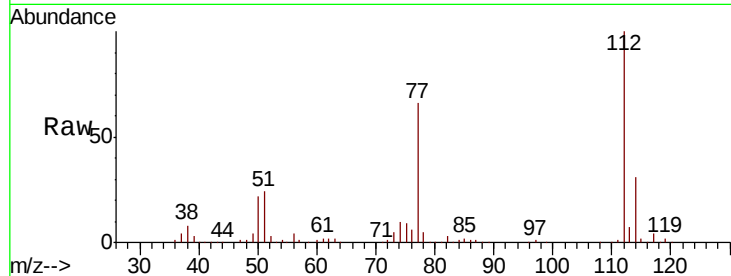
#65
Chlorobenzene
Concen: 49.082 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 273576
Ion Ratio Lower Upper
112 100
114 31.4 25.2 37.8

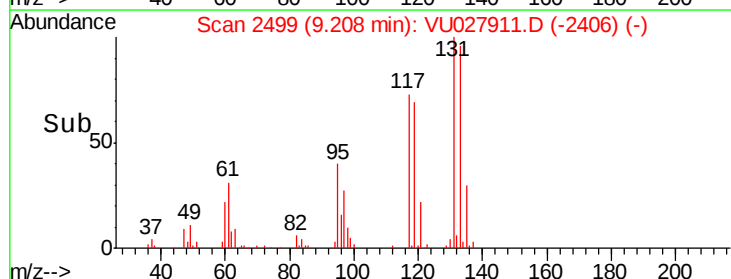
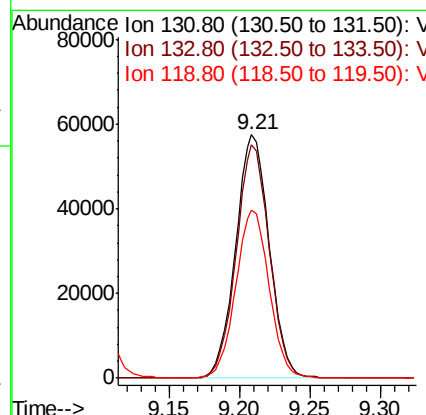
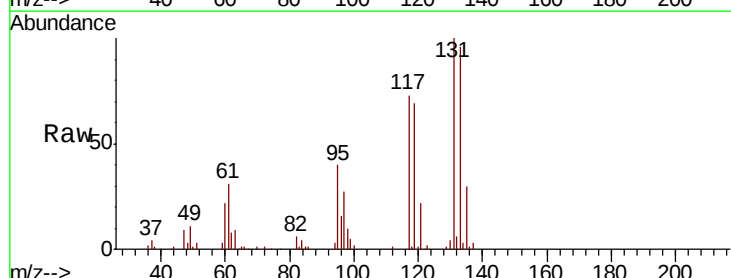
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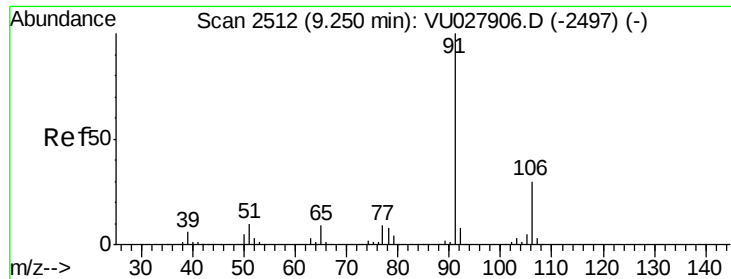
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.439 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion:131 Resp: 96027
Ion Ratio Lower Upper
131 100
133 94.6 48.1 144.4
119 68.6 34.0 101.8





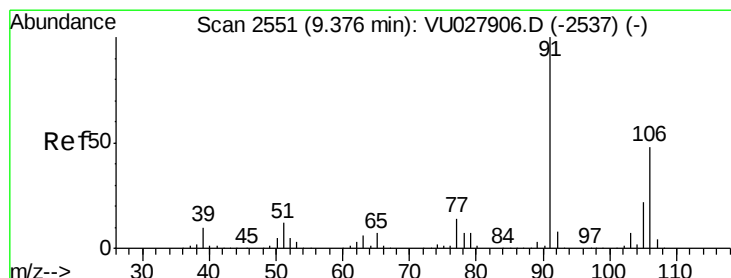
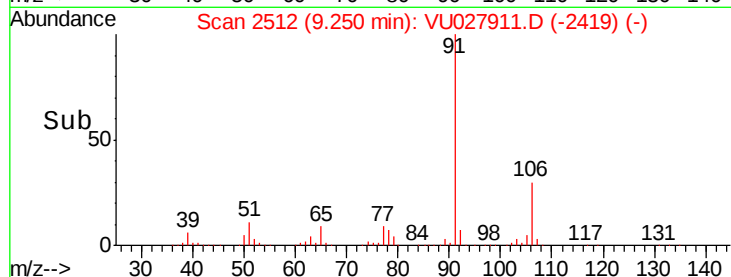
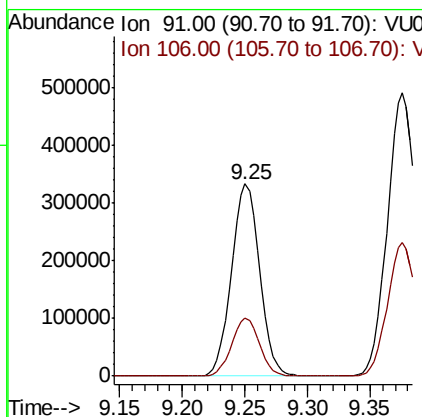
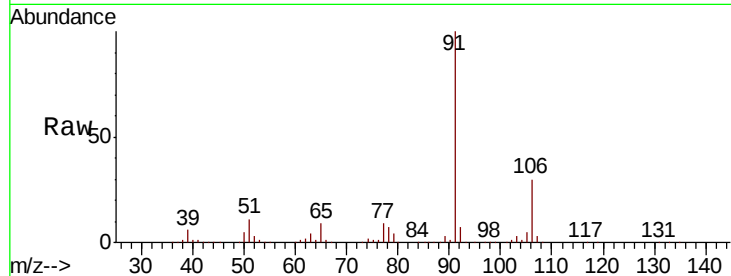
#67
Ethyl Benzene
Concen: 50.727 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 520437
Ion Ratio Lower Upper
91 100
106 30.2 23.6 35.4

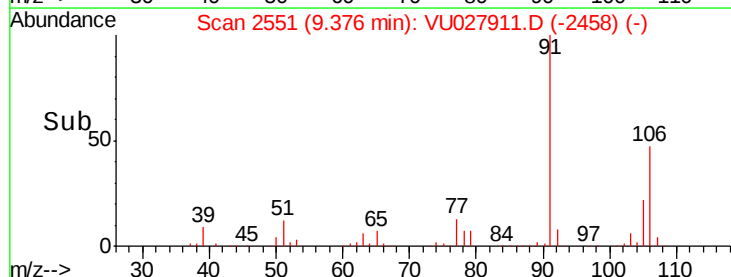
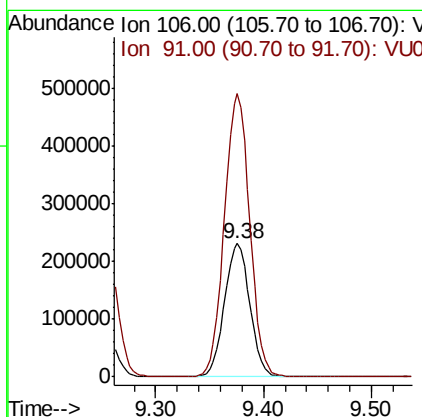
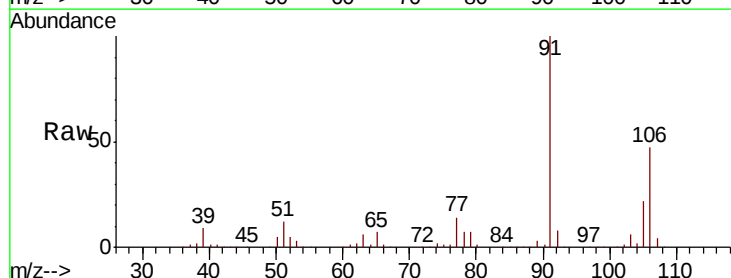
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#68
m/p-Xylenes
Concen: 101.473 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion: 106 Resp: 377739
Ion Ratio Lower Upper
106 100
91 212.1 168.2 252.4





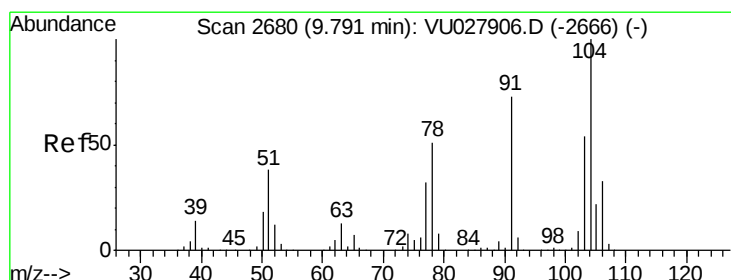
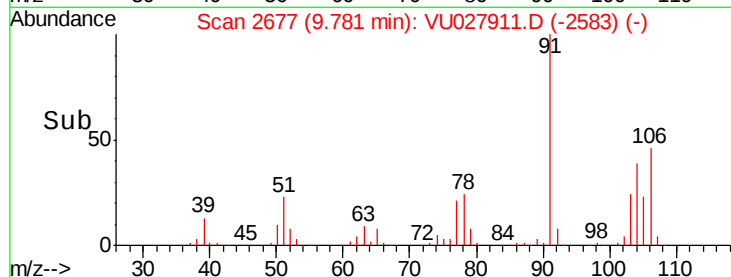
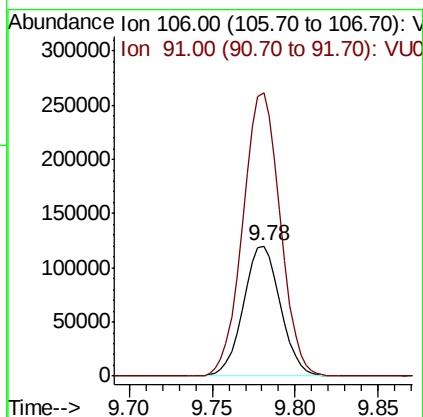
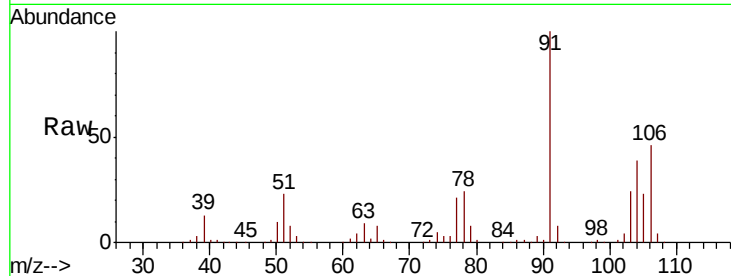
#69
o-Xylene
Concen: 49.525 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 186164
Ion Ratio Lower Upper
106 100
91 220.0 111.1 333.4

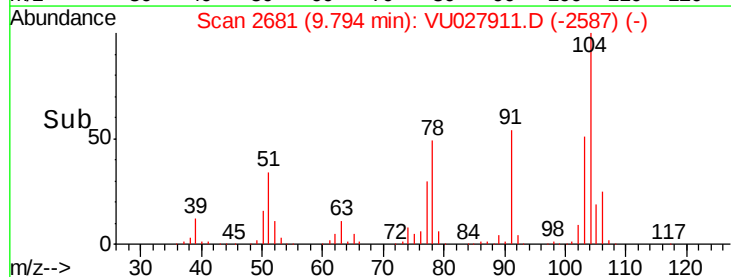
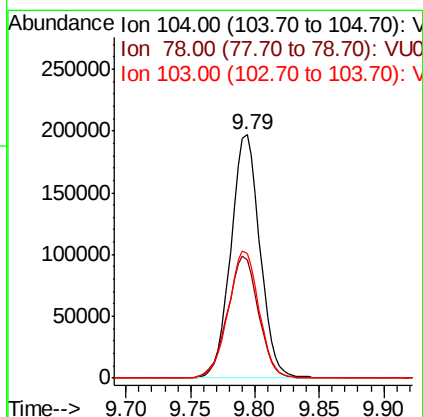
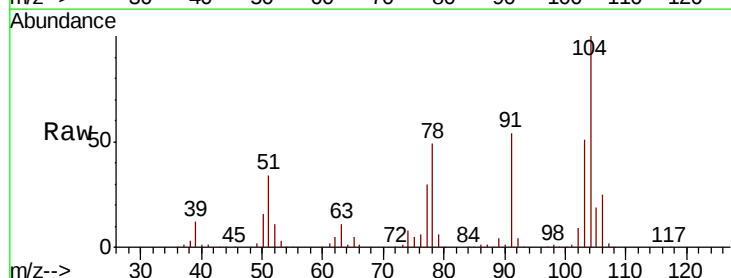
Manual Integrations
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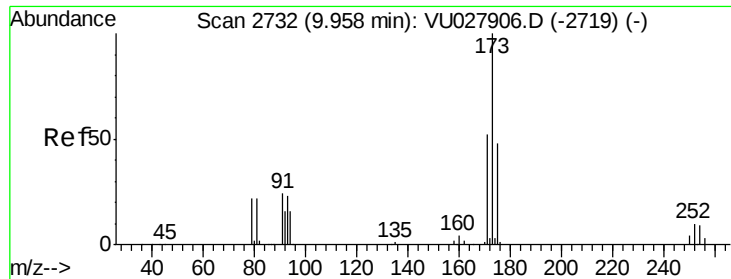
MMDadoda
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#70
Styrene
Concen: 51.329 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion:104 Resp: 308292
Ion Ratio Lower Upper
104 100
78 53.6 43.0 64.4
103 55.4 45.1 67.7





#71

Bromoform

Concen: 51.344 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

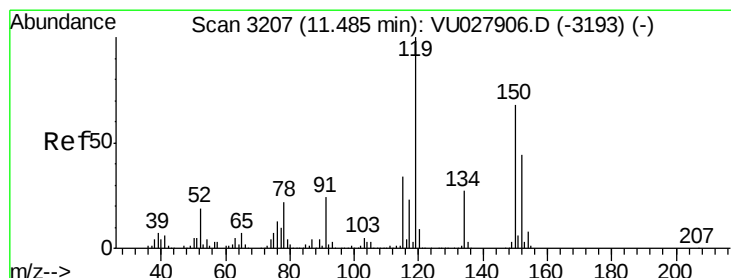
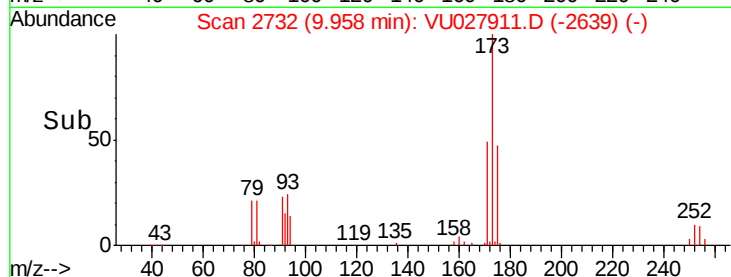
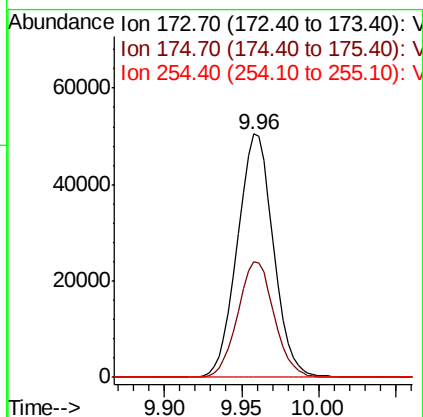
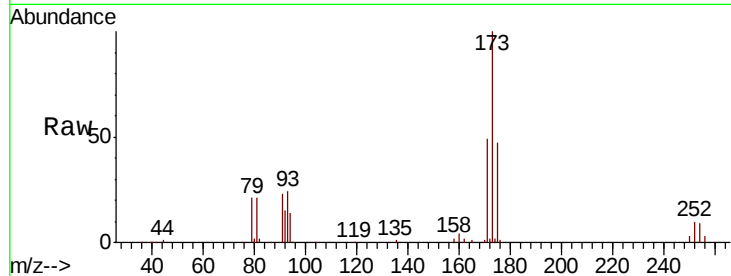
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.3	72.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

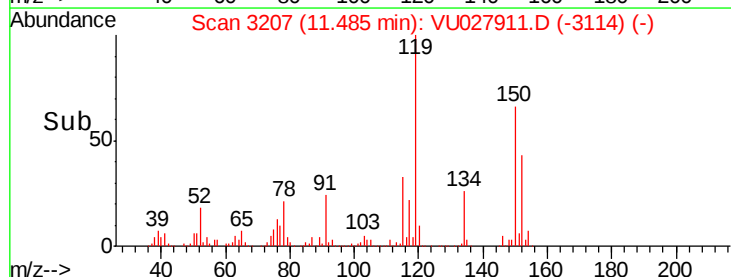
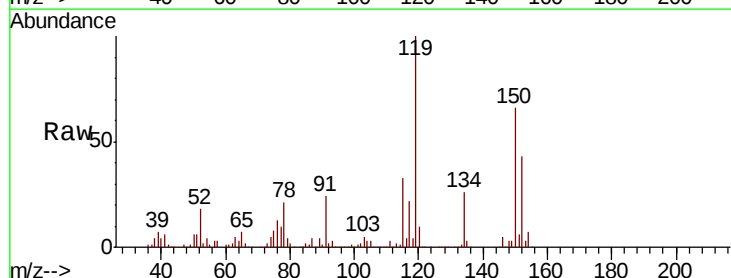
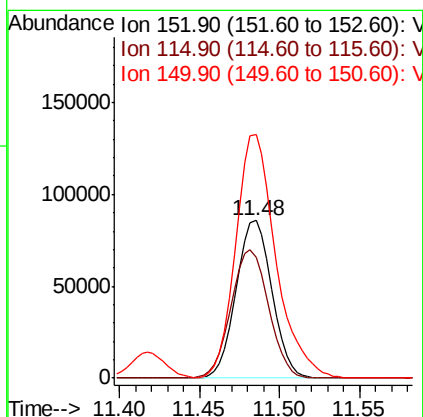
RT: 11.48 min Scan# 3207

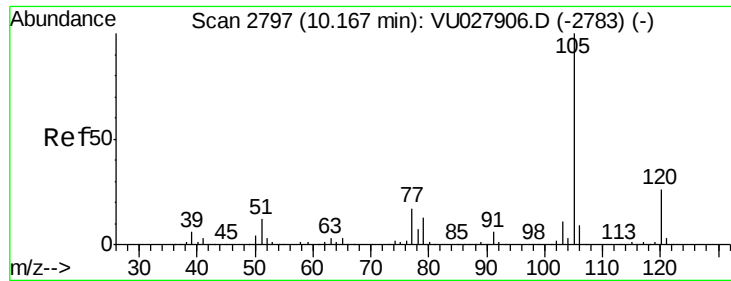
Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	85.4	43.0	129.0
150	173.1	0.0	349.4





#73

Isopropylbenzene

Concen: 49.284 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 499487

Ion Ratio Lower Upper

105 100

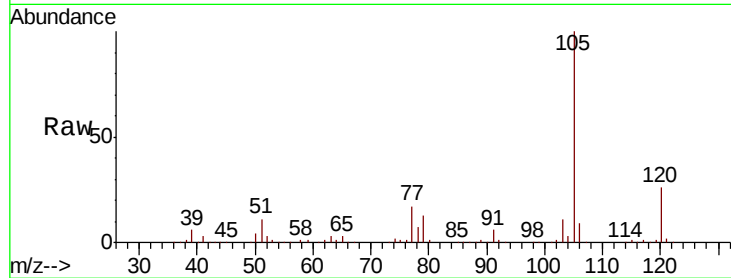
120 26.0 12.7 38.0

Manual Integrations

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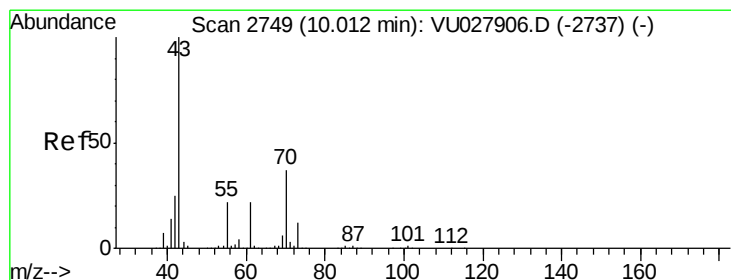
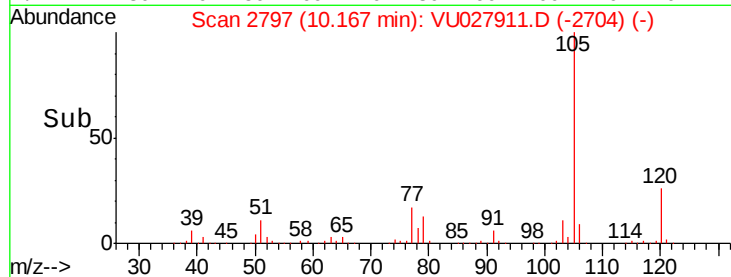
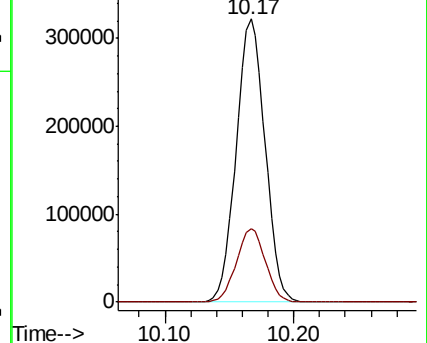
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.619 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Tgt Ion: 43 Resp: 304086

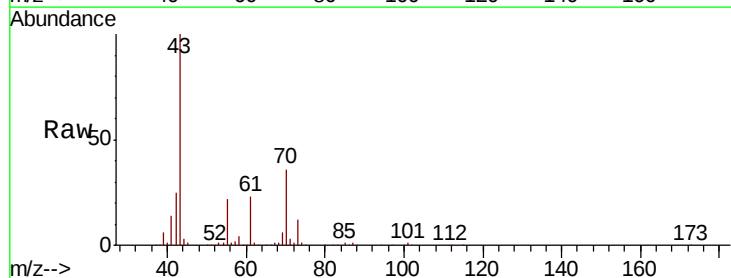
Ion Ratio Lower Upper

43 100

70 36.6 29.2 43.8

55 22.0 17.8 26.6

61 22.4 17.8 26.8

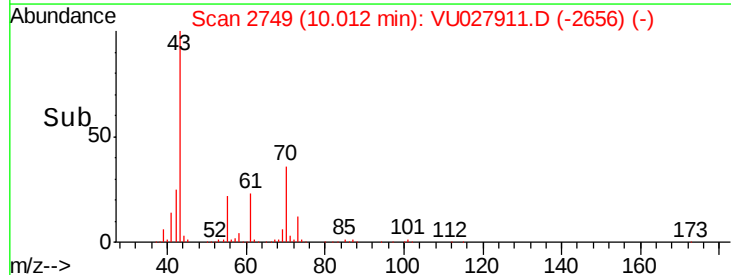
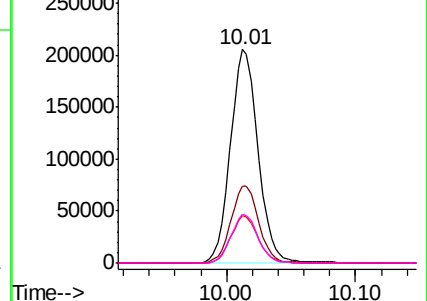


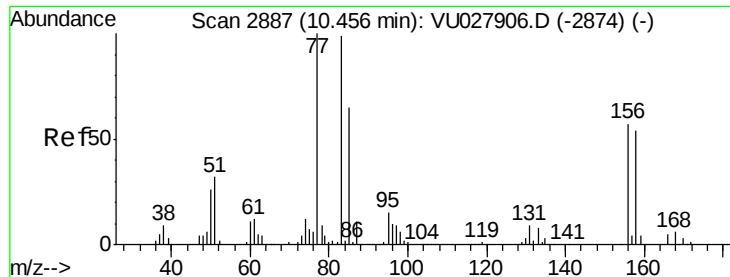
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.071 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 192433

Ion Ratio Lower Upper

83 100

131 8.5 4.3 13.1

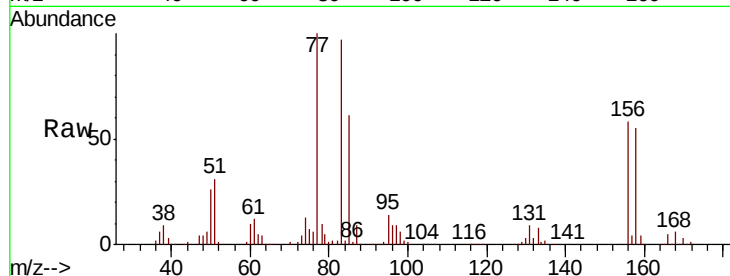
85 64.5 32.4 97.2

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Abundance Ion 82.90 (82.60 to 83.60): VU027911.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU027911.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU027911.D (-2794) (-)

10.46

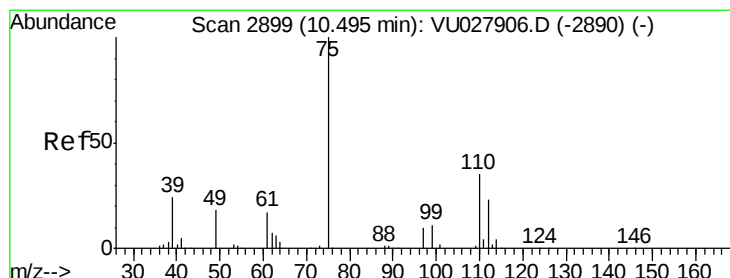
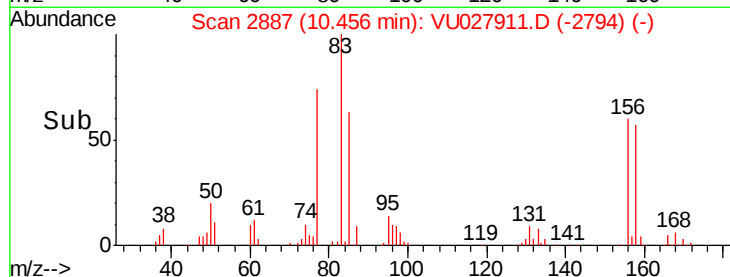
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 45.200 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027911.D

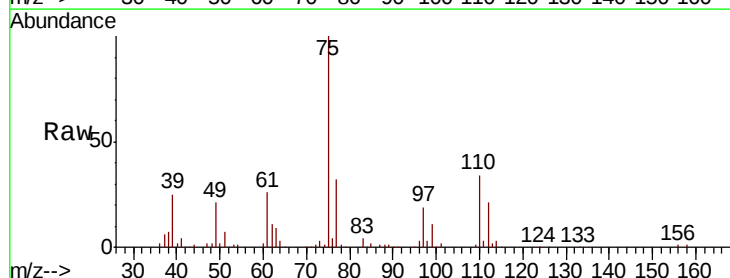
Acq: 02 Nov 2018 09:10

Tgt Ion: 75 Resp: 161746

Ion Ratio Lower Upper

75 100

77 44.1 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027911.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027911.D (-2806) (-)

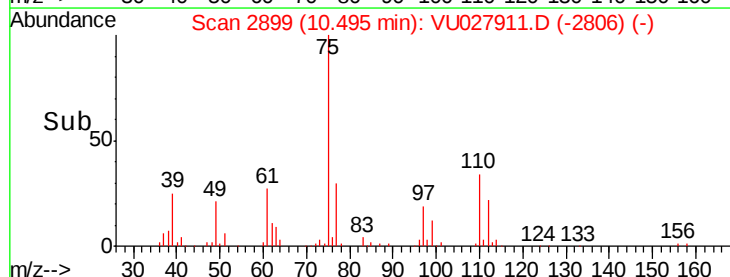
150000

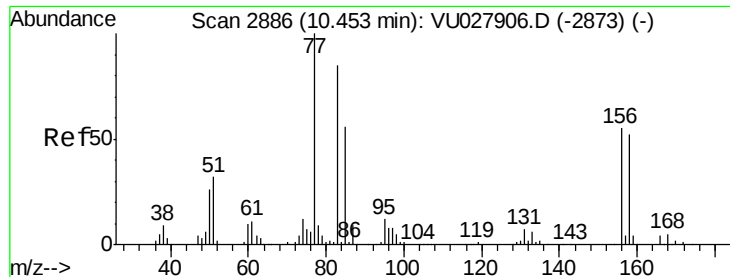
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 50.179 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

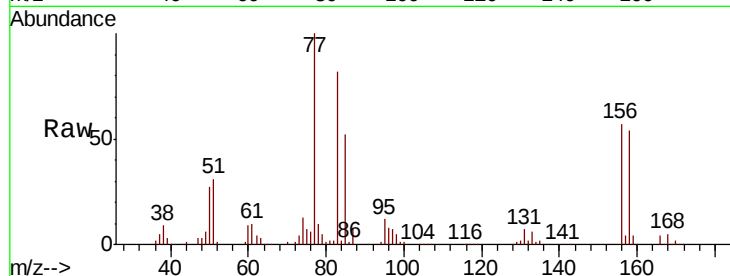
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	116614
Ion Ratio	Lower	Upper	
156	100		
77	181.6	91.8	275.6
158	97.4	48.4	145.2

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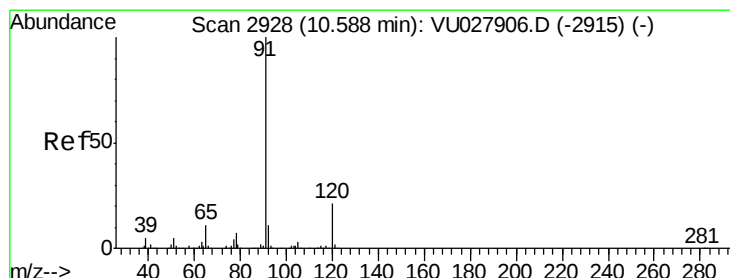
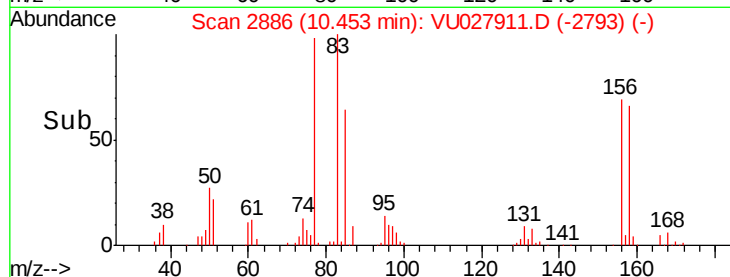
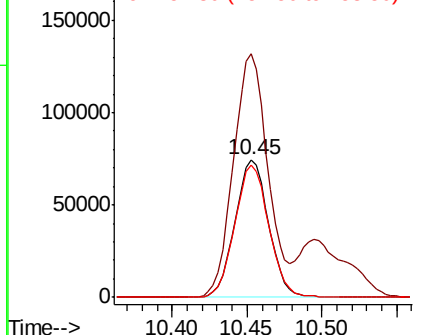
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.020 ug/l

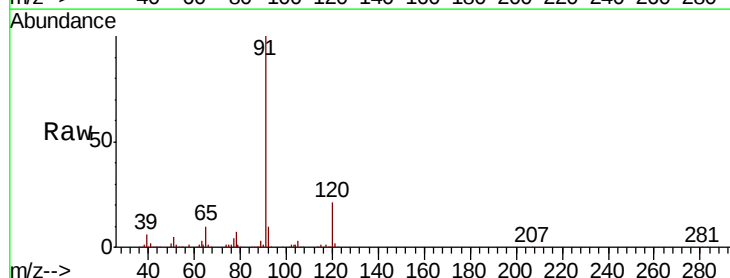
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027911.D

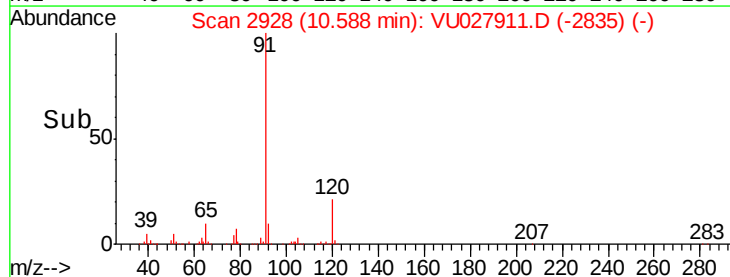
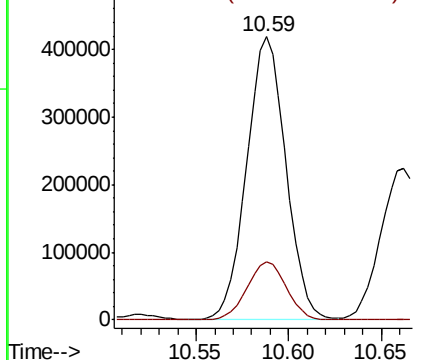
Acq: 02 Nov 2018 09:10

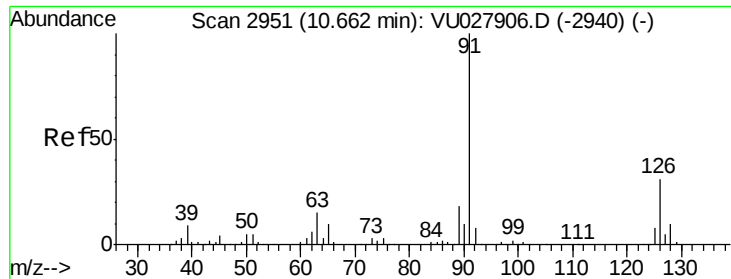
Tgt Ion:	91	Resp:	618943
Ion Ratio	Lower	Upper	
91	100		
120	20.6	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





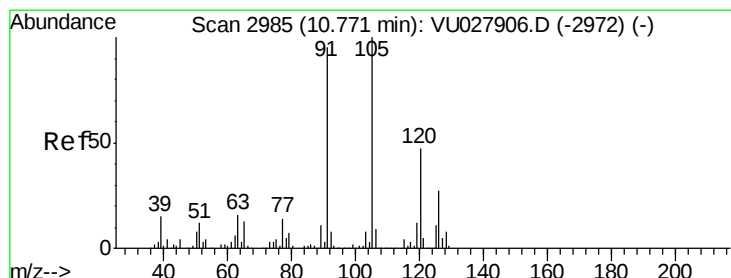
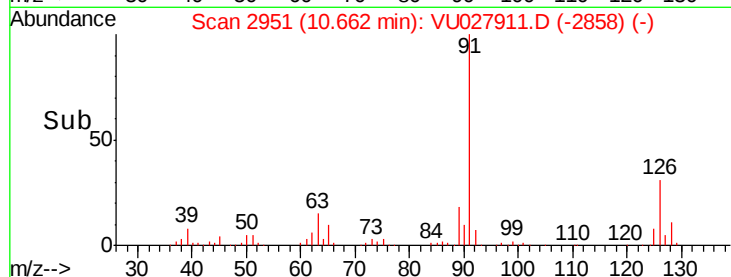
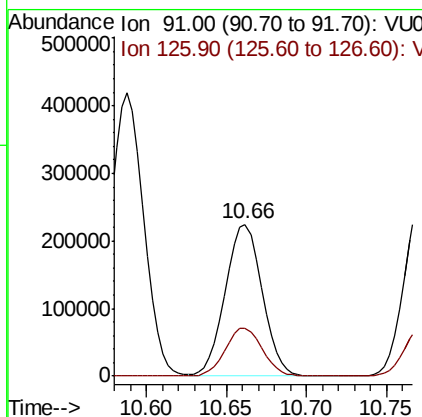
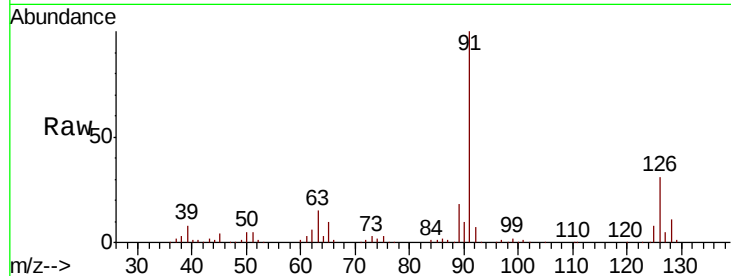
#79
 2-Chlorotoluene
 Concen: 48.830 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 355073
 Ion Ratio Lower Upper
 91 100
 126 31.5 16.0 47.9

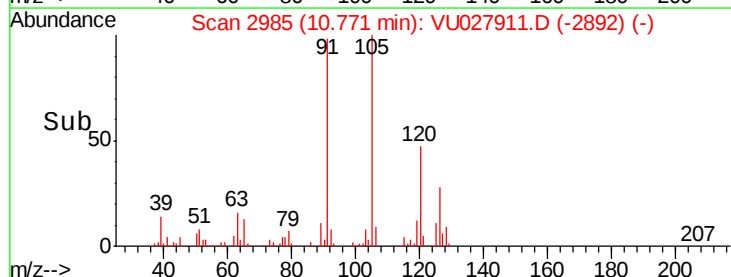
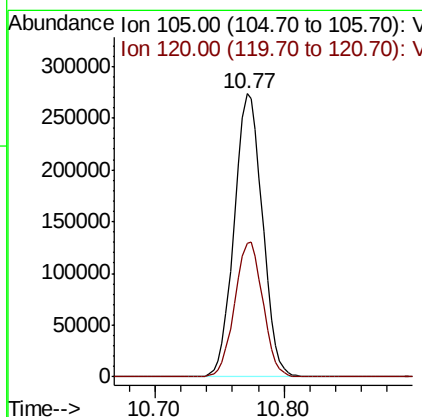
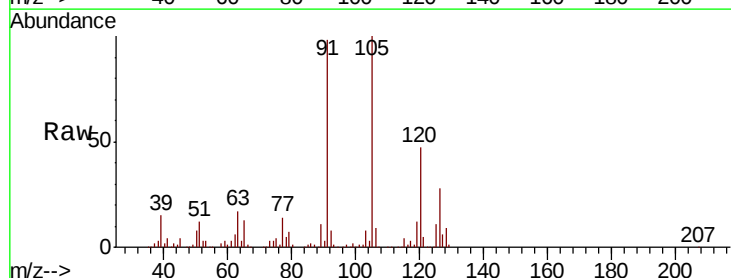
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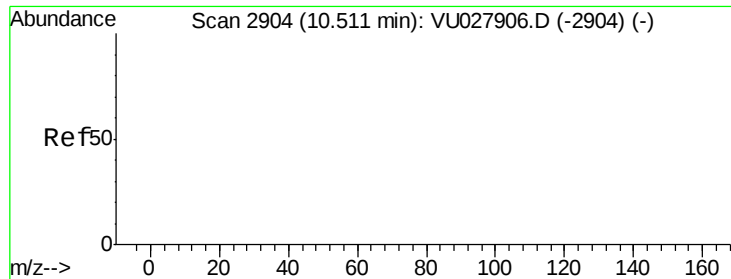
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 11/5/2018 11:29:08 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.574 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Tgt Ion: 105 Resp: 416206
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.3 69.9





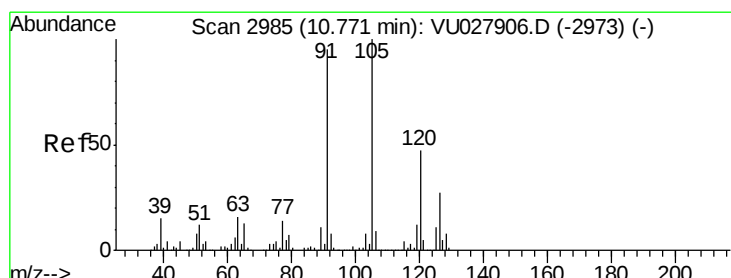
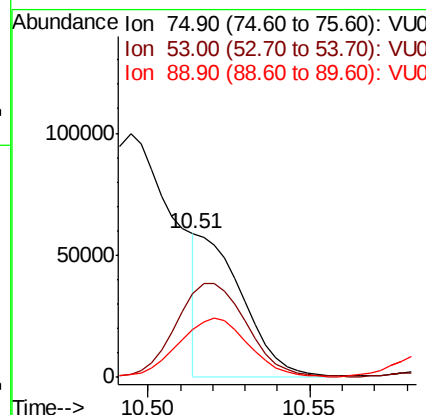
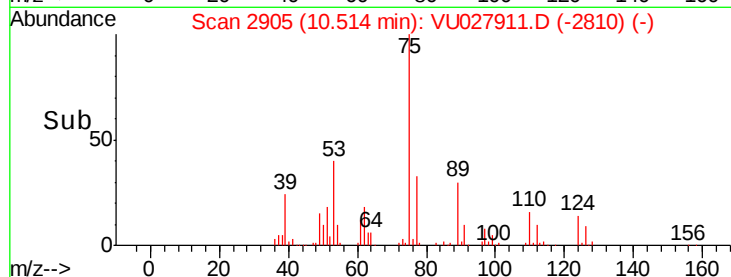
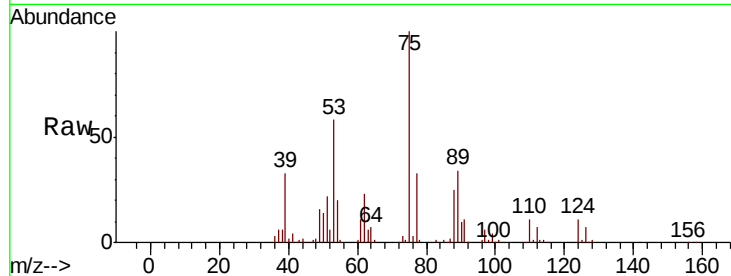
#81
trans-1,4-Dichloro-2-butene
Concen: 38.698 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

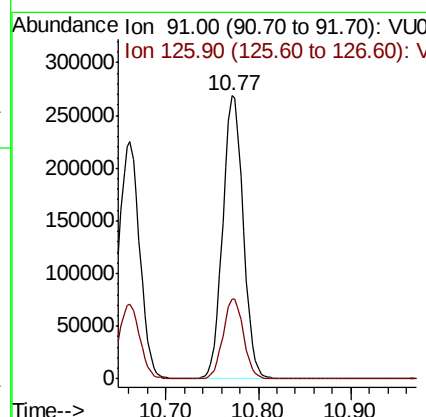
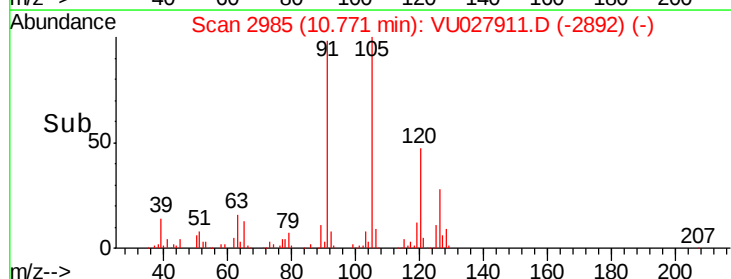
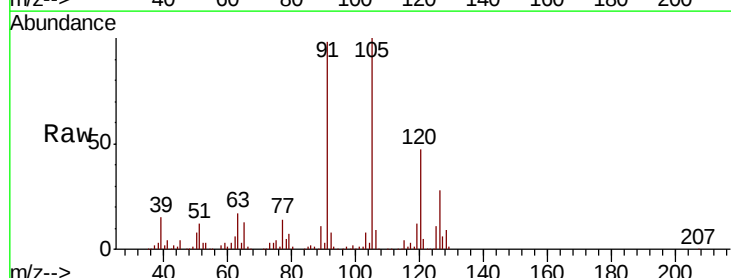
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#82
4-Chlorotoluene
Concen: 49.899 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6





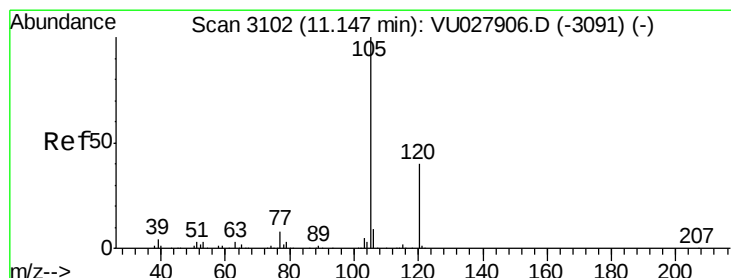
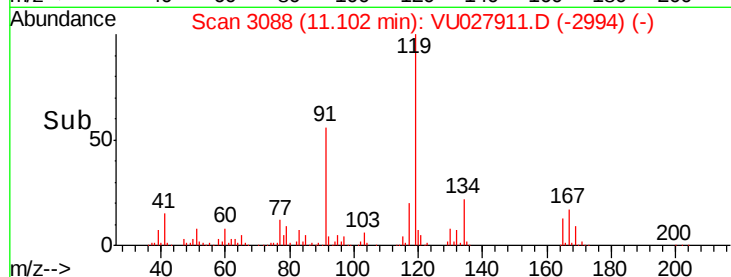
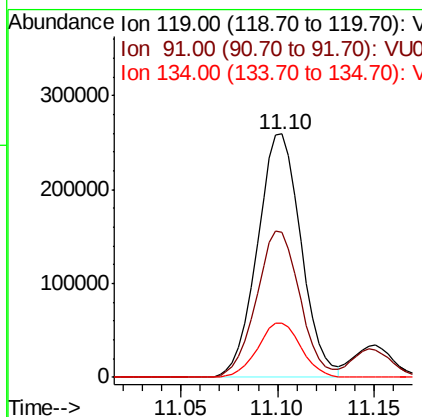
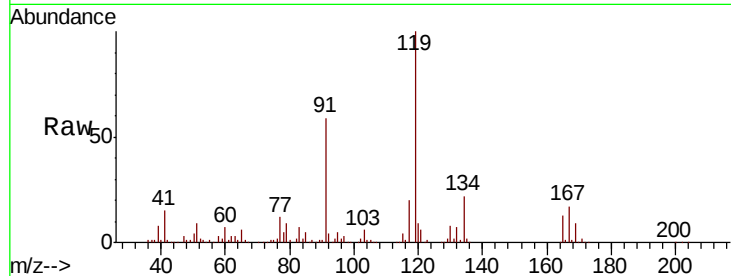
#83
tert-Butylbenzene
Concen: 48.632 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.7	29.8	89.3
134	22.0	11.1	33.1

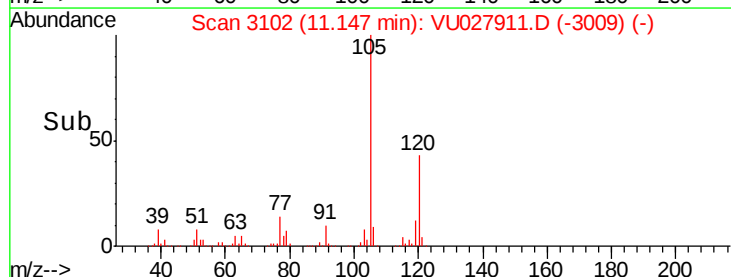
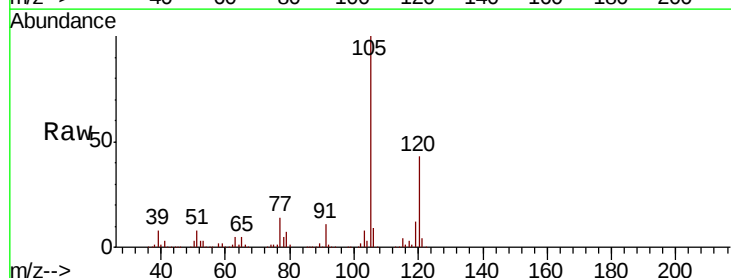
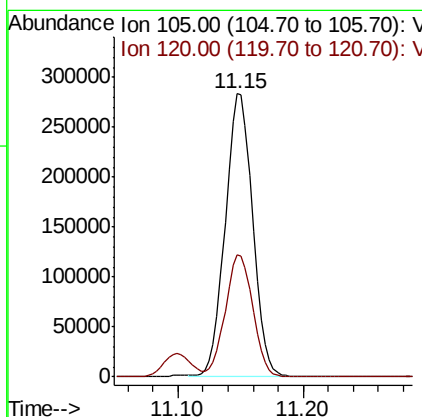
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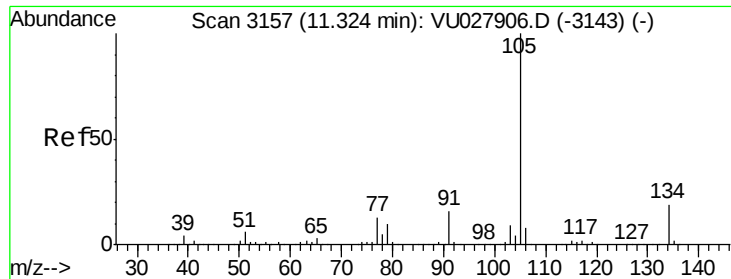
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#84
1,2,4-Trimethylbenzene
Concen: 50.731 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.1	66.1





#85

sec-Butylbenzene

Concen: 50.702 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 517543

Ion Ratio Lower Upper

105 100

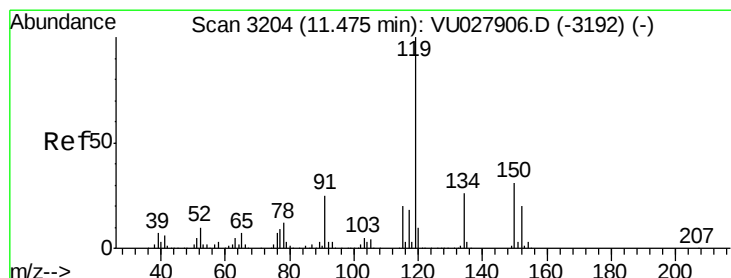
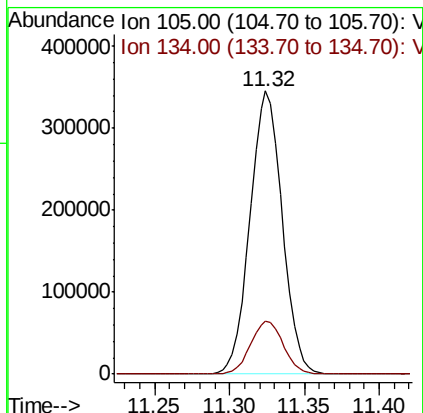
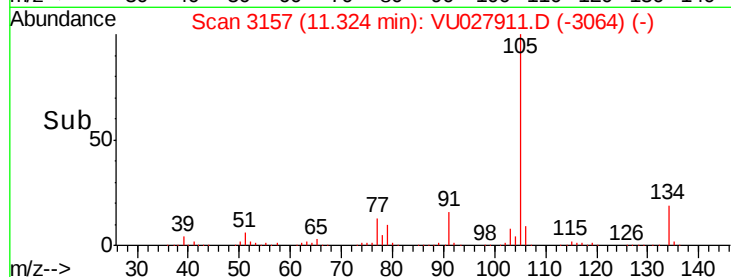
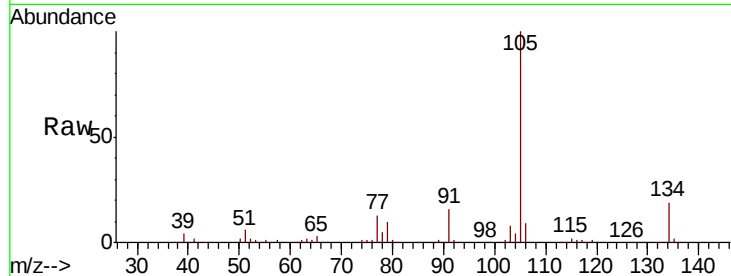
134 19.0 9.2 27.6

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#86

p-Isopropyltoluene

Concen: 51.539 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

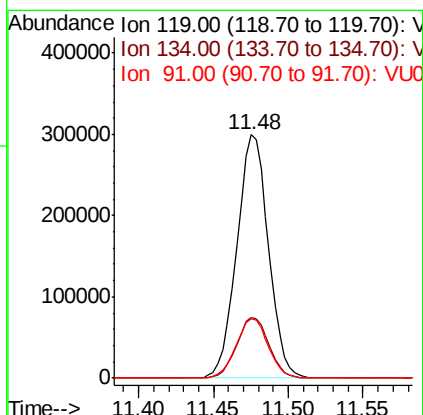
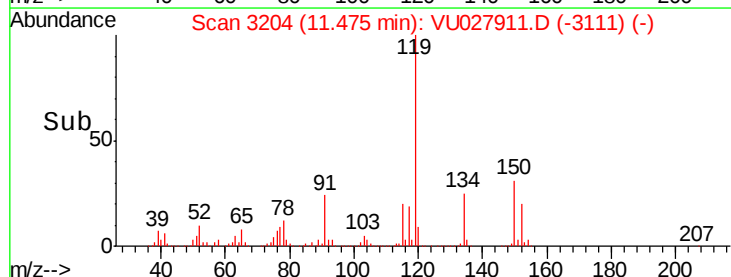
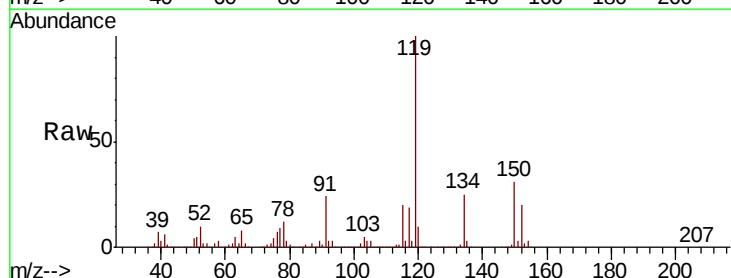
Tgt Ion:119 Resp: 439793

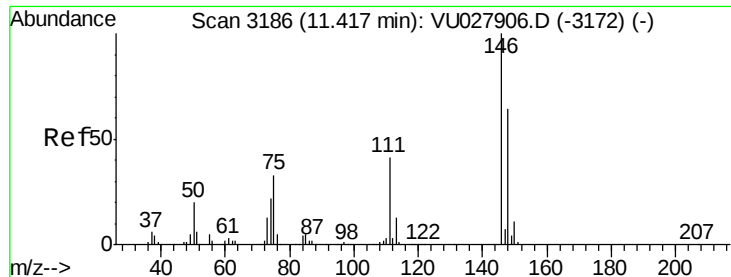
Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 24.9 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 49.432 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

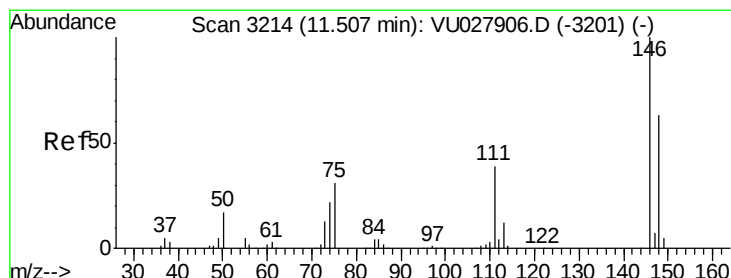
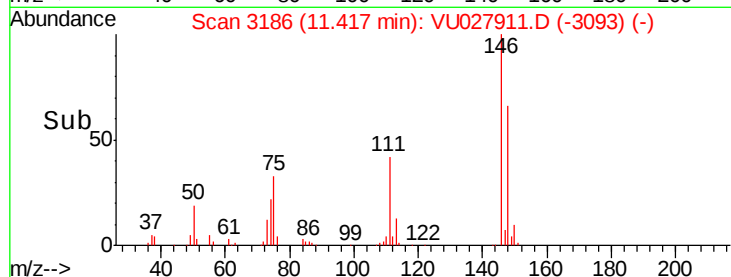
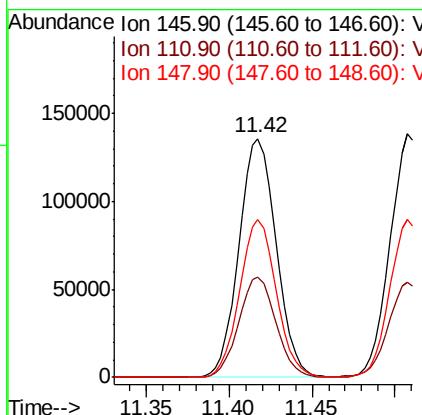
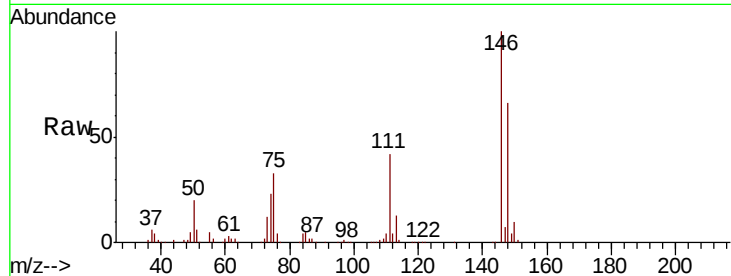
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	212212
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.3	61.0
148	64.7	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 48.078 ug/l

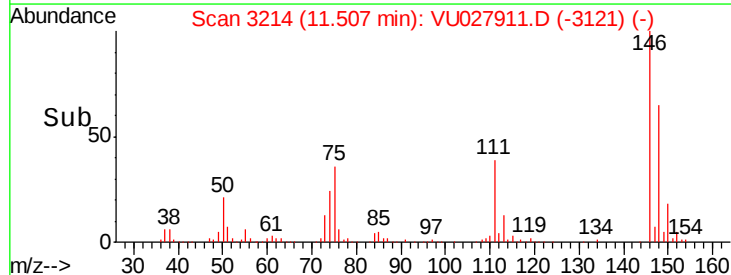
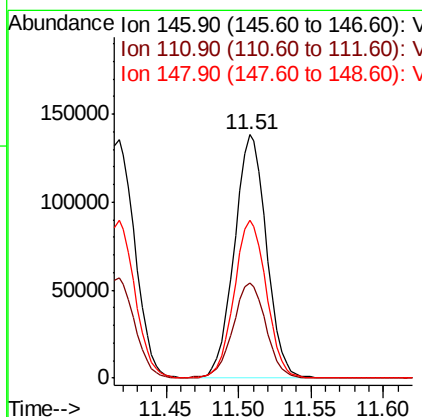
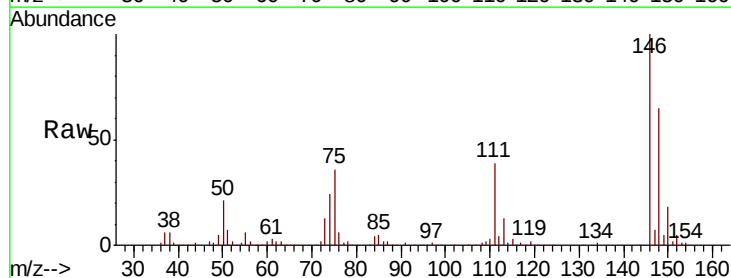
RT: 11.51 min Scan# 3214

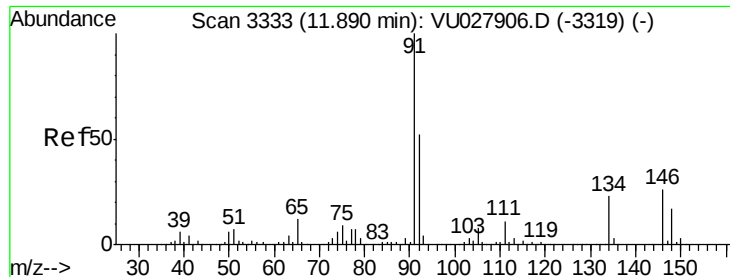
Delta R.T. -0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Tgt Ion:	146	Resp:	211554
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.3	60.9
148	65.0	32.0	96.2





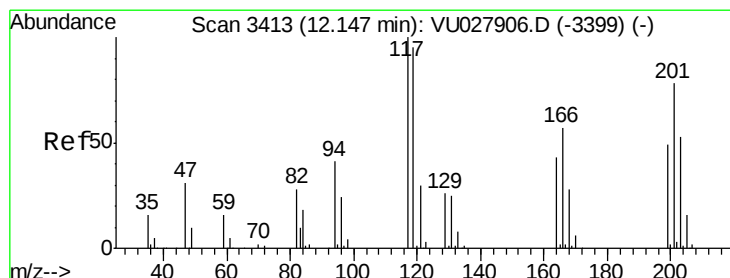
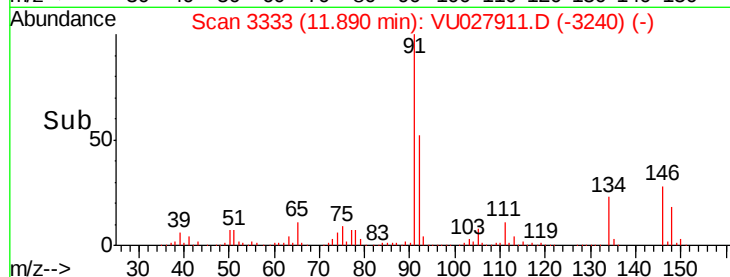
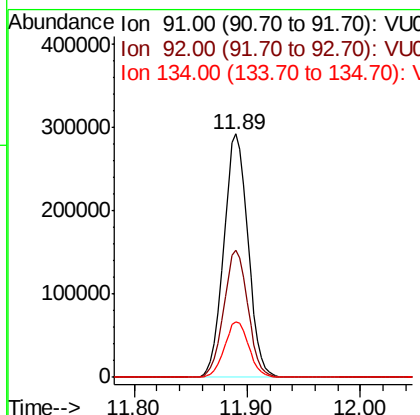
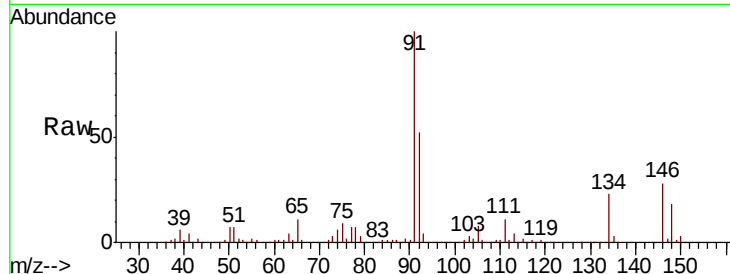
#89
n-Butylbenzene
Concen: 53.583 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	22.9	11.5	34.5

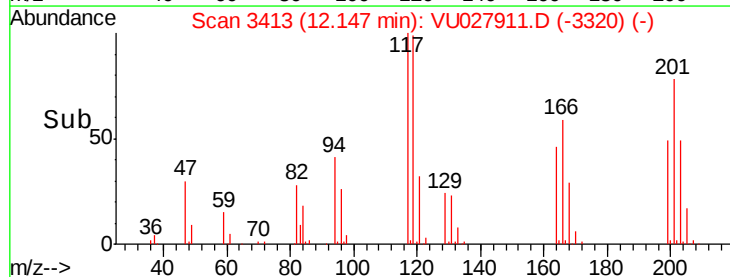
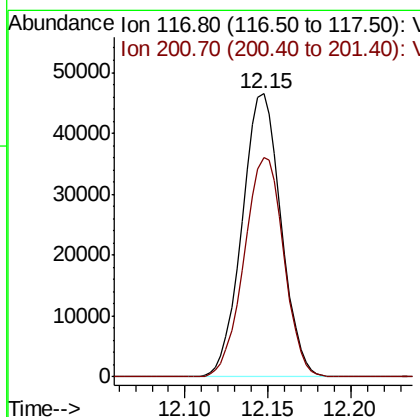
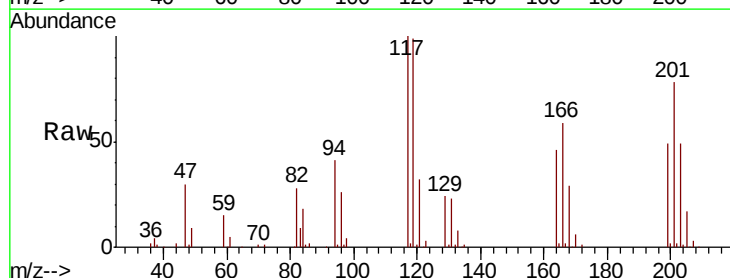
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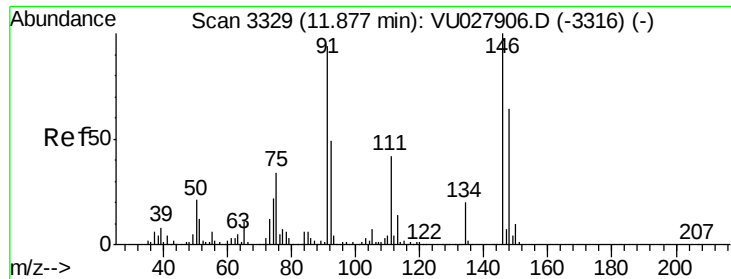
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#90
Hexachloroethane
Concen: 50.002 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027911.D
Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	38.5	115.5





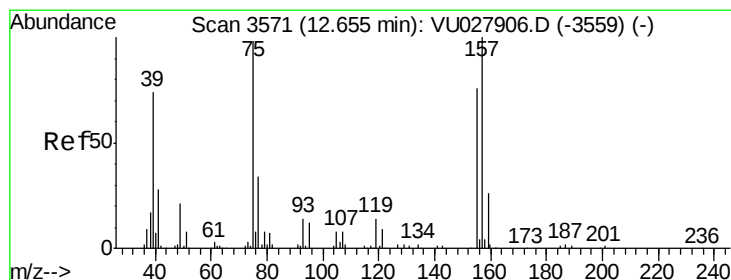
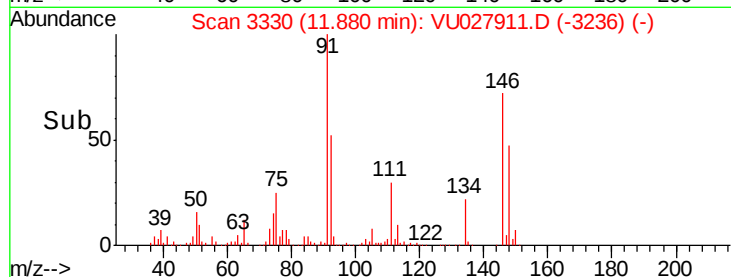
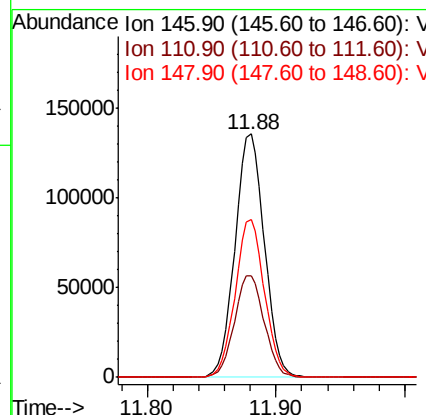
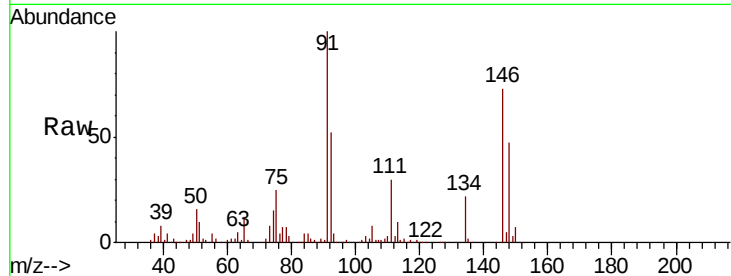
#91
 1,2-Dichlorobenzene
 Concen: 49.710 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	64.0
148	64.3	31.8	95.3

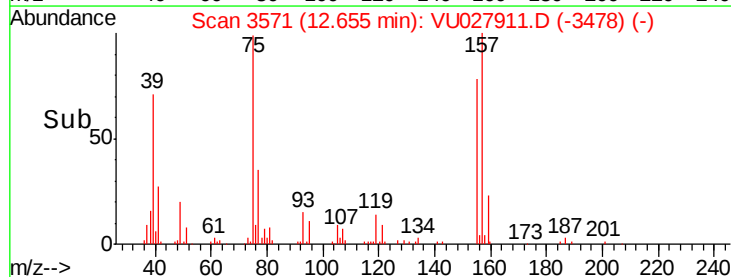
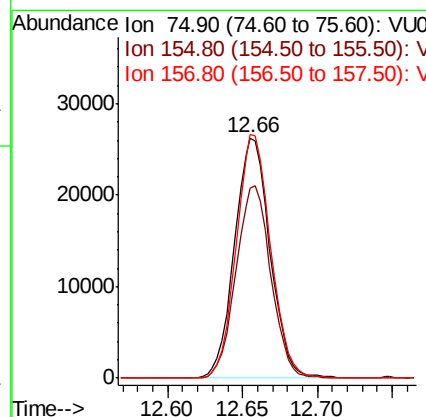
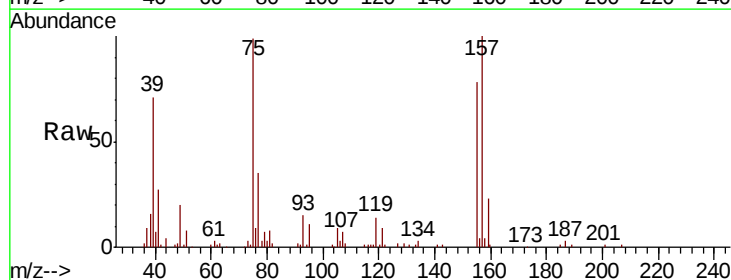
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.257 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	39.8	119.3
157	98.0	50.6	151.9





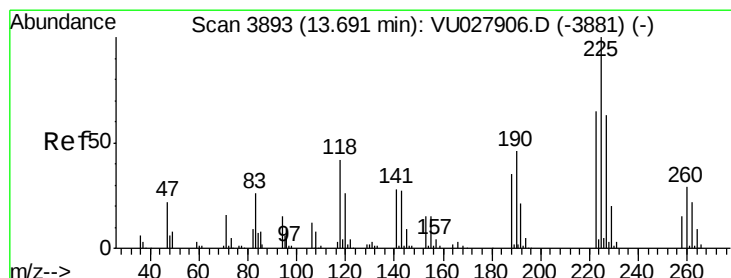
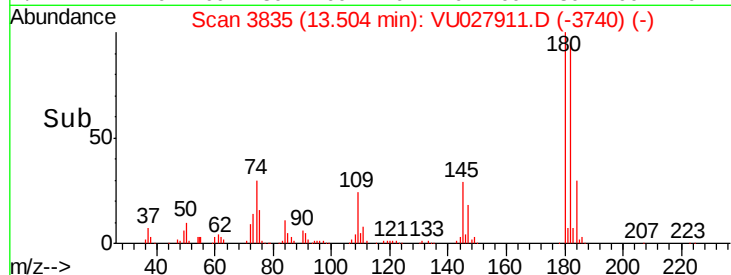
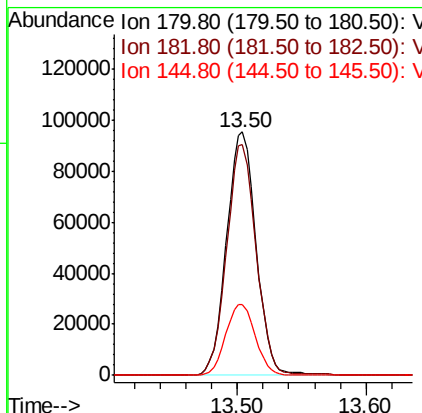
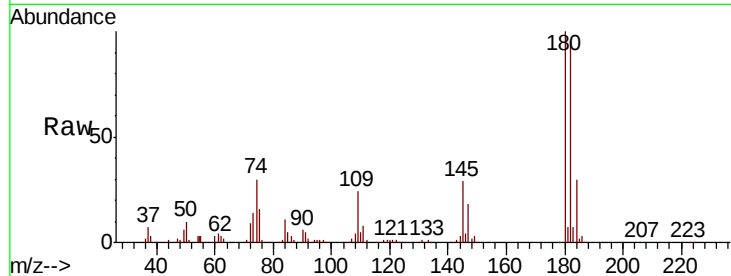
#93
 1,2,4-Trichlorobenzene
 Concen: 49.937 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.4	145.2
145	29.2	14.9	44.5

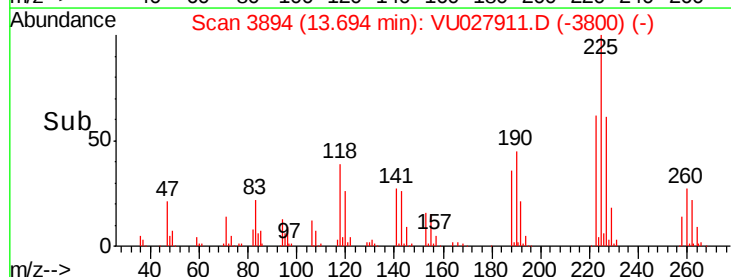
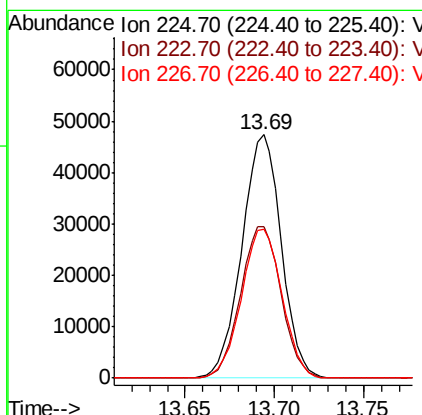
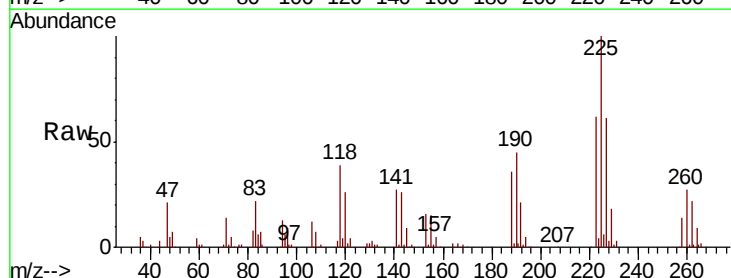
Manual Integrations
 APPROVED

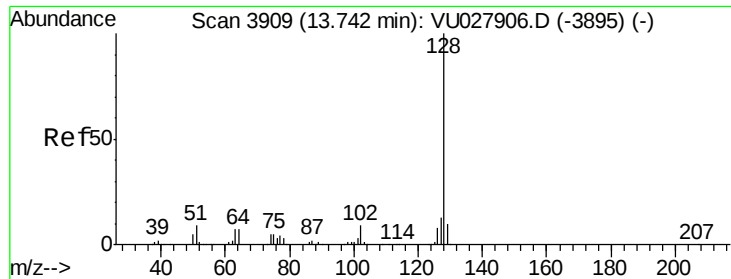
MMDadoda
 11/5/2018 11:29:08 AM



#94
 Hexachlorobutadiene
 Concen: 53.277 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027911.D
 Acq: 02 Nov 2018 09:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.2	96.6
227	63.0	32.5	97.4





#95

Naphthalene

Concen: 48.014 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Instrument :

MSVOA_U

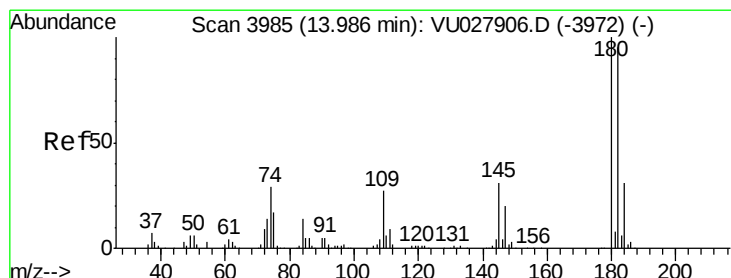
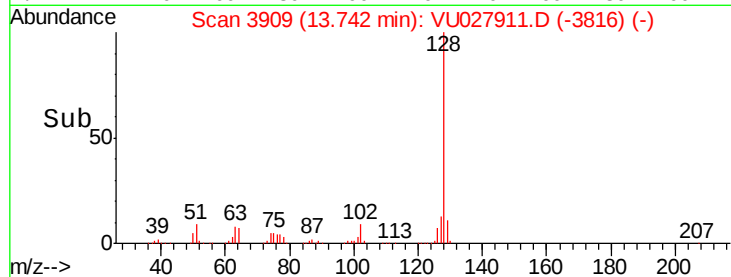
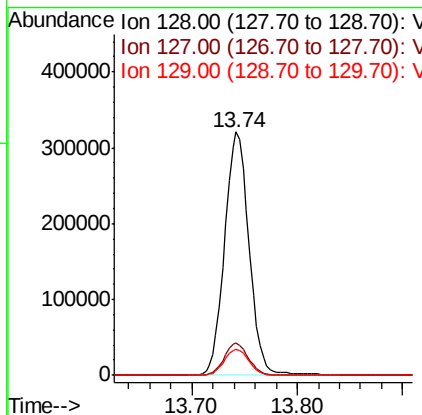
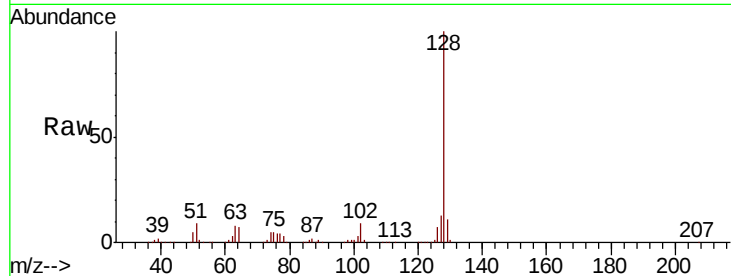
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	515331
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.4	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/5/2018 11:29:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.821 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027911.D

Acq: 02 Nov 2018 09:10

Tgt Ion:	180	Resp:	153020
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.4	142.3
145	31.8	16.0	47.9

