

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112918\
 Data File : VU028406.D
 Acq On : 29 Nov 2018 20:02
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:26:10 AM

Quant Time: Nov 30 08:09:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	265780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	488458	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	464917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	232190	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	220505	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	4.88	113	159511	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	7.57	98	633221	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	10.30	95	245529	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	176559	49.521	ug/l 98
3) Chloromethane	1.33	50	311011	45.003	ug/l 100
4) Vinyl Chloride	1.40	62	244839	50.636	ug/l 99
5) Bromomethane	1.62	94	76979	41.163	ug/l 98
6) Chloroethane	1.69	64	136985	49.234	ug/l 94
7) Trichlorofluoromethane	1.88	101	255935	50.957	ug/l 99
8) Diethyl Ether	2.10	74	114861	49.195	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	150530	51.449	ug/l 99
10) Methyl Iodide	2.41	142	127527	46.221	ug/l 99
11) Tert butyl alcohol	2.82	59	239102	236.944	ug/l 99
12) 1,1-Dichloroethene	2.28	96	149472	52.643	ug/l 94
13) Acrolein	2.19	56	207877	231.717	ug/l 100
14) Allyl chloride	2.59	41	346558	46.716	ug/l 99
15) Acrylonitrile	2.94	53	692630	259.481	ug/l 100
16) Acetone	2.32	43	571703	210.402	ug/l 99
17) Carbon Disulfide	2.48	76	500315	45.907	ug/l 100
18) Methyl Acetate	2.61	43	381429	50.418	ug/l 99
19) Methyl tert-butyl Ether	3.00	73	583031	50.086	ug/l 99
20) Methylene Chloride	2.70	84	186181	48.577	ug/l 96
21) trans-1,2-Dichloroethene	2.98	96	164590	49.983	ug/l 99
22) Diisopropyl ether	3.57	45	740836	50.725	ug/l 99
23) Vinyl Acetate	3.52	43	3098978	255.271	ug/l 100
24) 1,1-Dichloroethane	3.45	63	363271	50.448	ug/l 99
25) 2-Butanone	4.26	43	959615	246.424	ug/l 100
26) 2,2-Dichloropropane	4.23	77	267350	46.749	ug/l 99
27) cis-1,2-Dichloroethene	4.22	96	195885	50.300	ug/l 97
28) Bromochloromethane	4.55	49	175043	48.616	ug/l 98
29) Tetrahydrofuran	4.64	42	654468	258.852	ug/l 98
30) Chloroform	4.67	83	326041	49.054	ug/l 98
31) Cyclohexane	5.00	56	361334	48.873	ug/l 100
32) 1,1,1-Trichloroethane	4.92	97	267860	50.224	ug/l 100
36) 1,1-Dichloropropene	5.13	75	256295	47.949	ug/l 100
37) Ethyl Acetate	4.38	43	365017	50.111	ug/l 100
38) Carbon Tetrachloride	5.13	117	211038	48.080	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	305183	48.427	ug/l	99
40) Benzene	5.39	78	775800	49.005	ug/l	99
41) Methacrylonitrile	4.54	41	206352	51.011	ug/l	97
42) 1,2-Dichloroethane	5.40	62	276980	48.567	ug/l	99
43) Isopropyl Acetate	5.55	43	584822	50.665	ug/l	99
44) Trichloroethene	6.19	130	169049	49.817	ug/l	100
45) 1,2-Dichloropropane	6.43	63	227598	49.094	ug/l	100
46) Dibromomethane	6.56	93	132011	49.574	ug/l	99
47) Bromodichloromethane	6.76	83	255312	48.203	ug/l	99
48) Methyl methacrylate	6.62	41	297403	49.462	ug/l	100
49) 1,4-Dioxane	6.61	88	87009	905.829	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	1855923	251.743	ug/l	98
52) Toluene	7.64	92	461040	50.573	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	306969	48.467	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	326449	48.112	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	187616	49.450	ug/l	99
56) Ethyl methacrylate	8.02	69	332946	51.583	ug/l	99
57) 1,3-Dichloropropane	8.24	76	340822	48.985	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	866471	250.039	ug/l	100
59) 2-Hexanone	8.36	43	1423295	249.238	ug/l	99
60) Dibromochloromethane	8.48	129	175365	48.599	ug/l	100
61) 1,2-Dibromoethane	8.58	107	199223	51.269	ug/l	99
64) Tetrachloroethene	8.23	164	139935	45.757	ug/l	99
65) Chlorobenzene	9.12	112	478205	49.536	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	160786	48.590	ug/l	100
67) Ethyl Benzene	9.25	91	895715	49.264	ug/l	100
68) m/p-Xylenes	9.37	106	656245	100.277	ug/l	98
69) o-Xylene	9.78	106	320724	49.299	ug/l	99
70) Styrene	9.79	104	536889	51.170	ug/l	100
71) Bromoform	9.96	173	133343	47.942	ug/l #	99
73) Isopropylbenzene	10.17	105	852059	47.183	ug/l	100
74) N-amyl acetate	10.01	43	525471	46.443	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	339934	45.775	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	300132m	46.613	ug/l	
77) Bromobenzene	10.45	156	196267	46.125	ug/l	97
78) n-propylbenzene	10.58	91	1068770	47.975	ug/l	100
79) 2-Chlorotoluene	10.66	91	612955	46.674	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	716468	47.080	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	106154m	43.763	ug/l	
82) 4-Chlorotoluene	10.77	91	717853	47.443	ug/l	100
83) tert-Butylbenzene	11.10	119	677850	47.783	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	736139	47.758	ug/l	100
85) sec-Butylbenzene	11.32	105	879768	47.747	ug/l	100
86) p-Isopropyltoluene	11.48	119	739119	48.785	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	368986	47.544	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	367818	47.092	ug/l	99
89) n-Butylbenzene	11.89	91	763799	51.082	ug/l	99
90) Hexachloroethane	12.14	117	108191	45.740	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	369048	47.661	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	75747	45.856	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	262649	51.821	ug/l	98
94) Hexachlorobutadiene	13.69	225	116702	48.762	ug/l	98
95) Naphthalene	13.74	128	930943	47.772	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	262763	51.260	ug/l	99

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

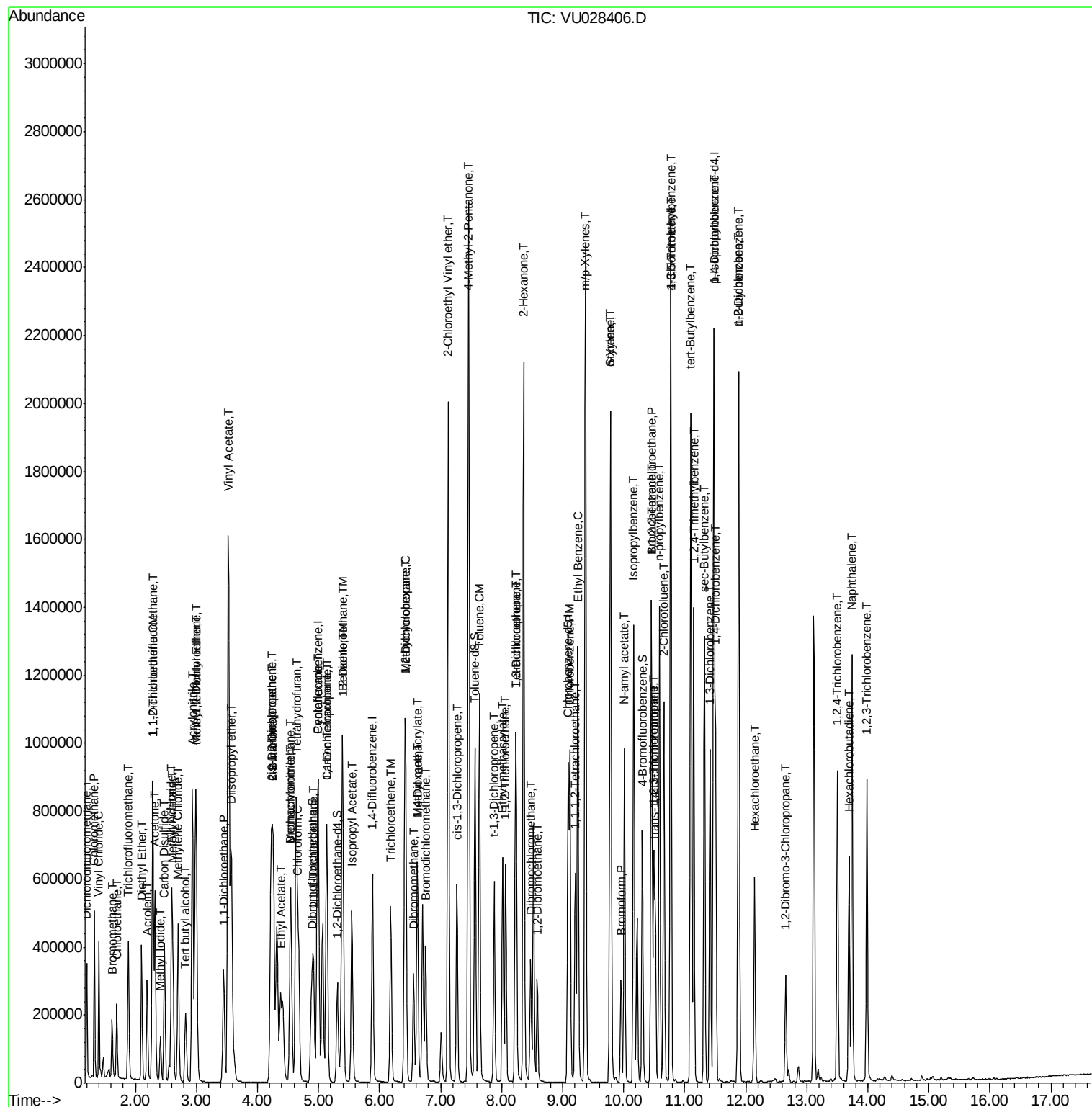
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Data File : VU028406.D
Acq On : 29 Nov 2018 20:02
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Sample : VSTDCCC050
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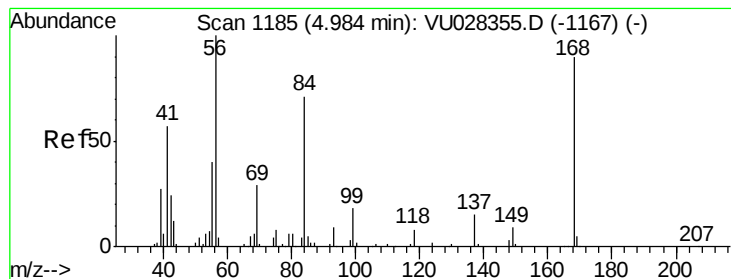
Instrument :
MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 265780

Ion Ratio Lower Upper

168 100

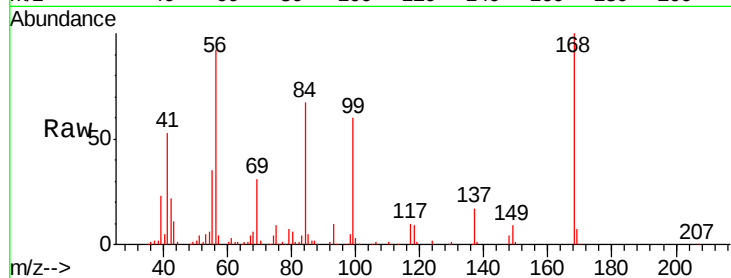
99 59.7 49.6 74.4

Manual Integrations

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11/30/2018 11:26:10 AM



Abundance Ion 167.90 (167.60 to 168.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

4.98

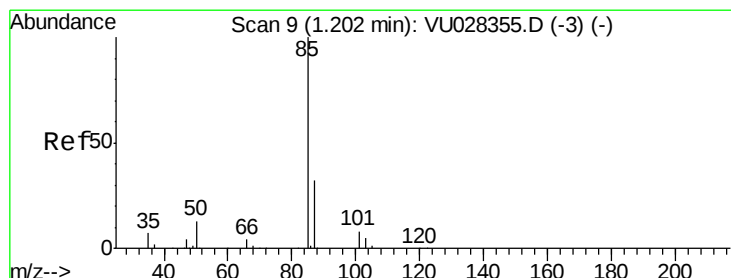
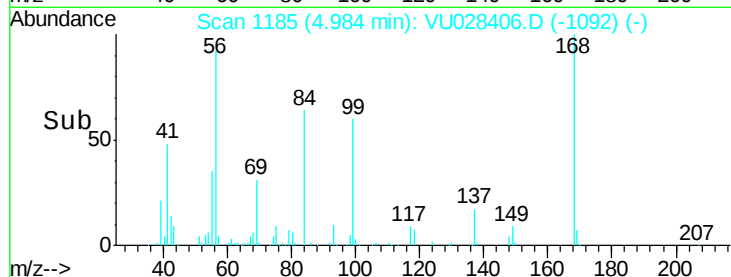
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.521 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028406.D

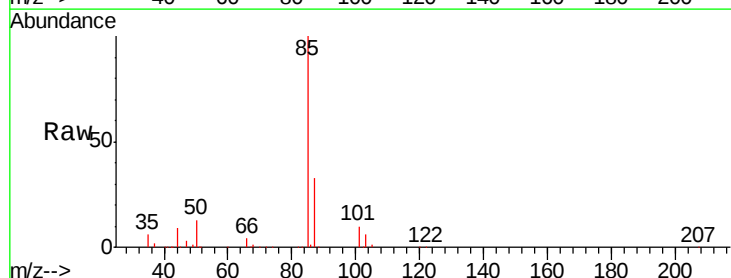
Acq: 29 Nov 2018 20:02

Tgt Ion: 85 Resp: 176559

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

1.21

200000

150000

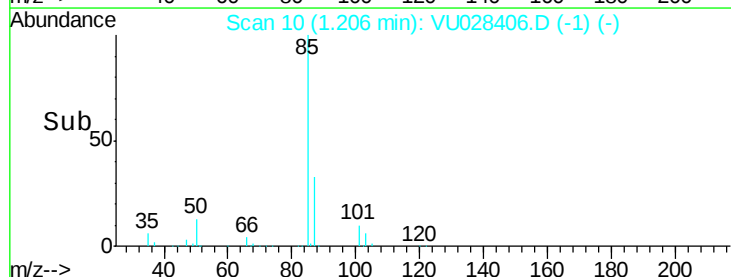
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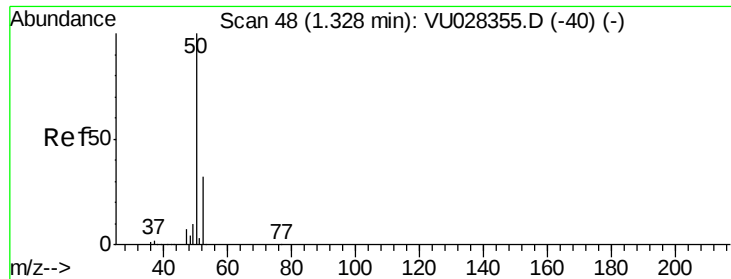
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 45.003 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 311011

Ion Ratio Lower Upper

50 100

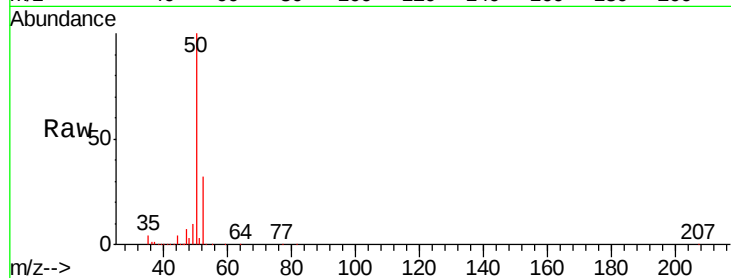
52 31.6 25.4 38.2

Manual Integrations

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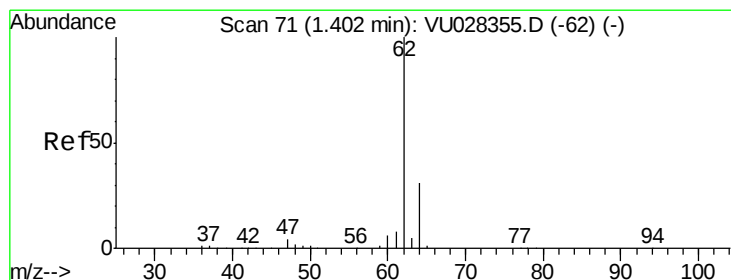
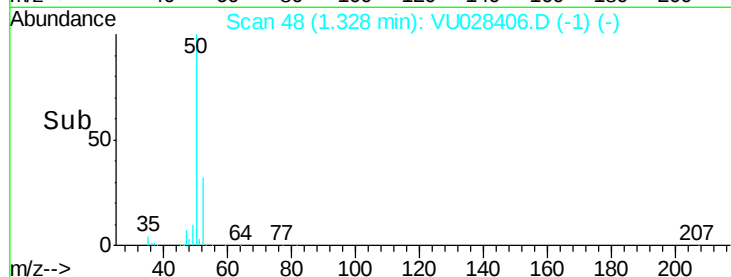
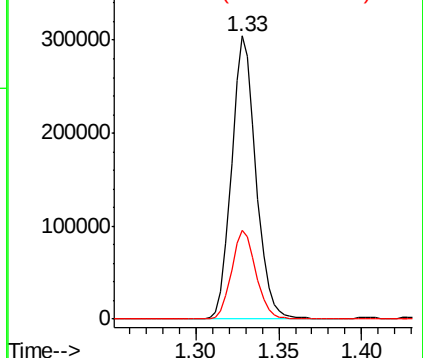
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 50.636 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028406.D

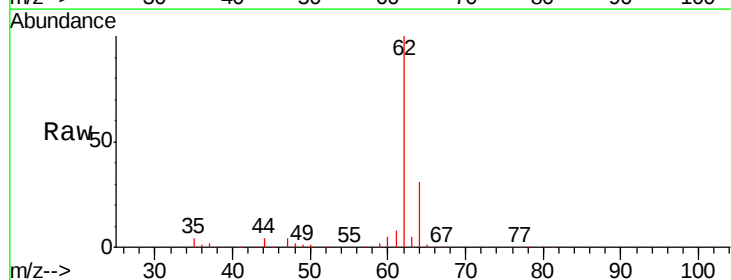
Acq: 29 Nov 2018 20:02

Tgt Ion: 62 Resp: 244839

Ion Ratio Lower Upper

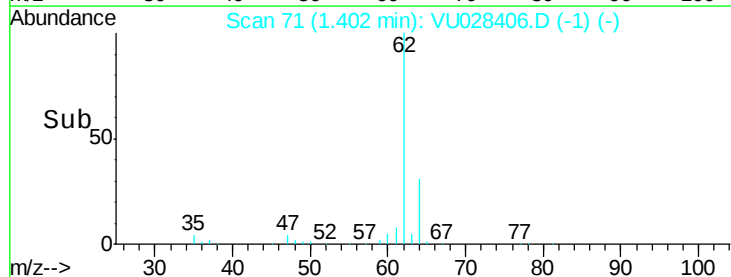
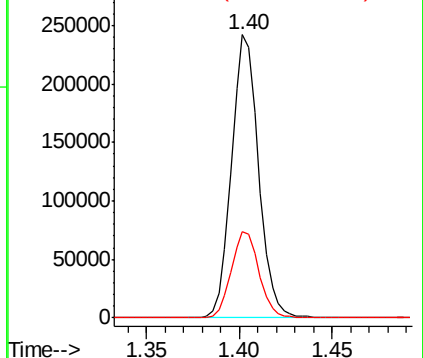
62 100

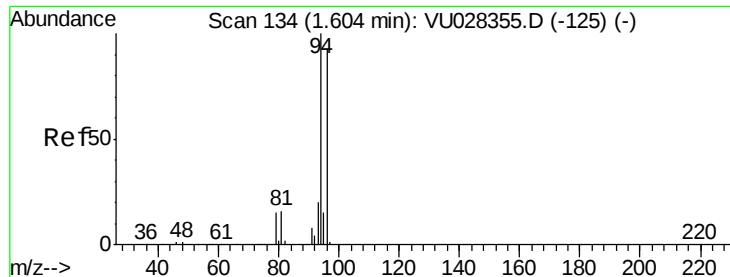
64 30.6 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 41.163 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.02 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion: 94 Resp: 76979

Ion Ratio Lower Upper

94 100

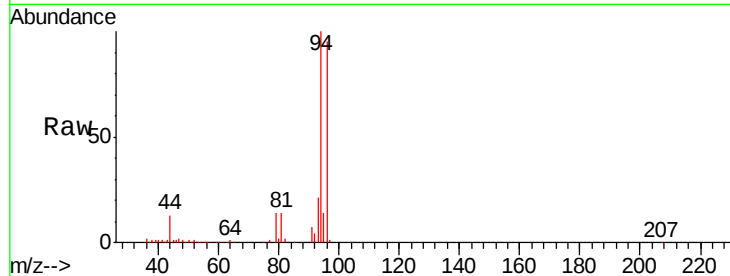
96 94.8 74.6 112.0

Manual Integrations

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11/30/2018 11:26:10 AM



Abundance Ion 93.90 (93.60 to 94.60): VU028406.D (-139) (-)

Ion 95.90 (95.60 to 96.60): VU028406.D (-139) (-)

1.62

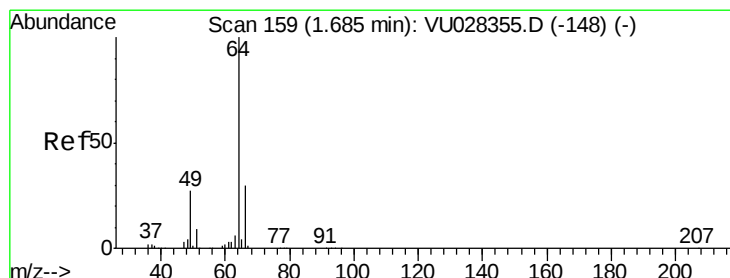
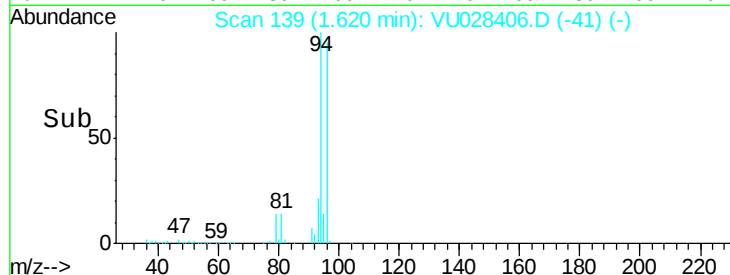
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 49.234 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU028406.D

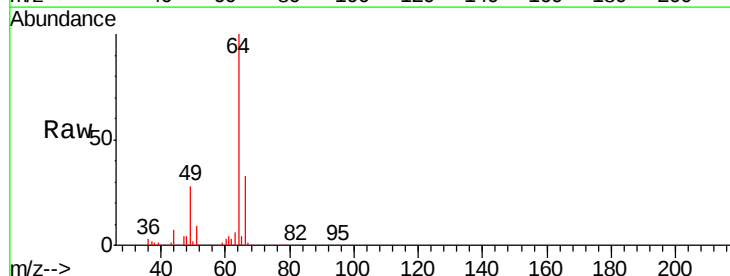
Acq: 29 Nov 2018 20:02

Tgt Ion: 64 Resp: 136985

Ion Ratio Lower Upper

64 100

66 32.8 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU028406.D (-162) (-)

Ion 65.90 (65.60 to 66.60): VU028406.D (-162) (-)

1.69

120000

100000

80000

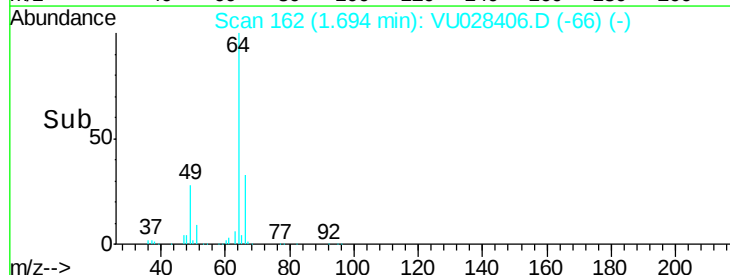
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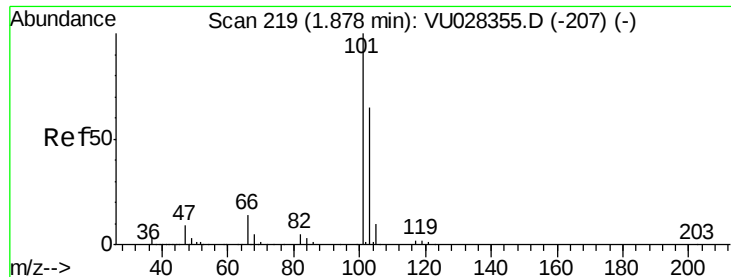
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Time-->





#7

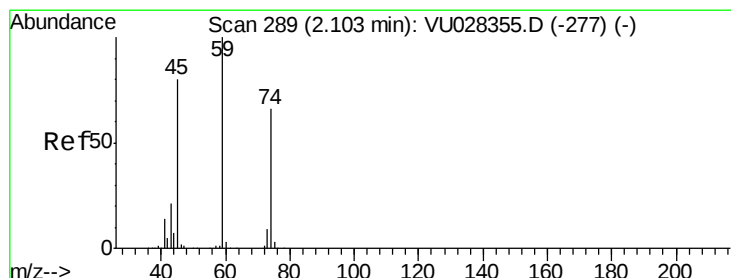
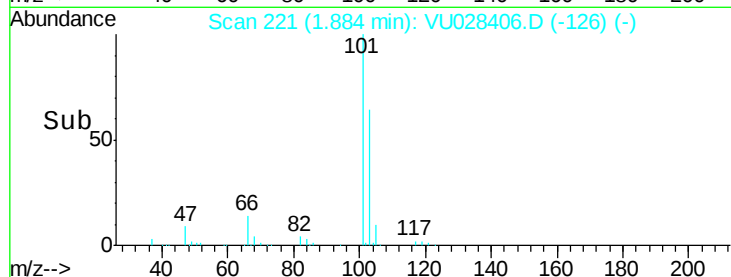
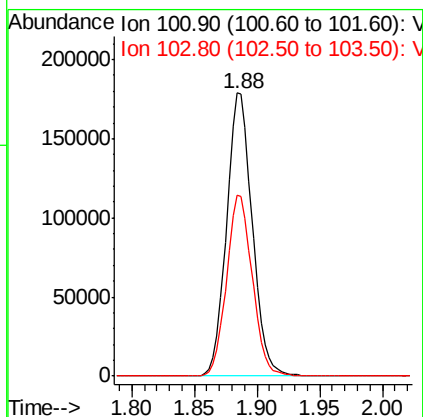
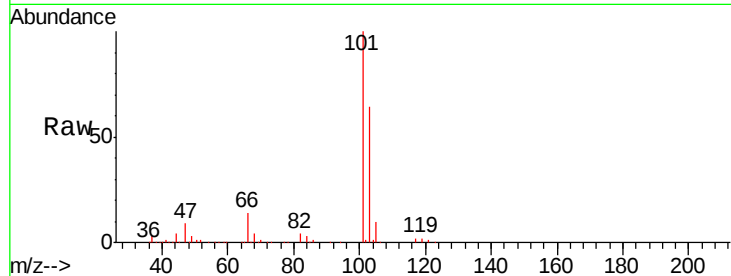
Trichlorofluoromethane
Concen: 50.957 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.01 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
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VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.6	77.4

Manual Integrations
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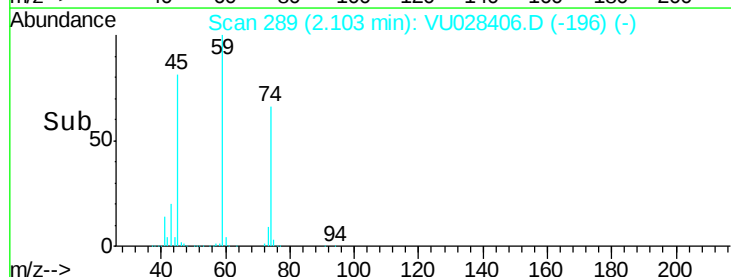
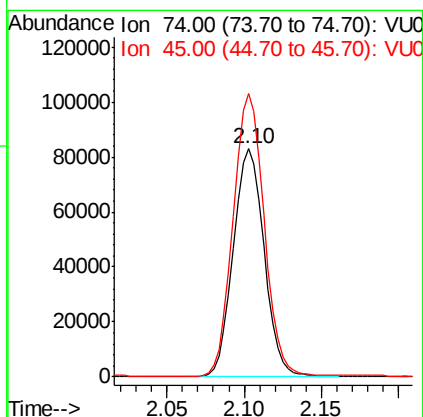
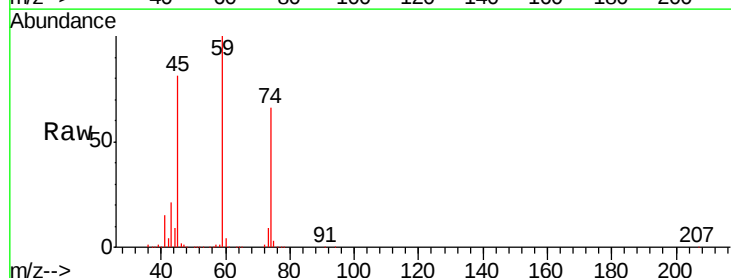
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11/30/2018 11:26:10 AM

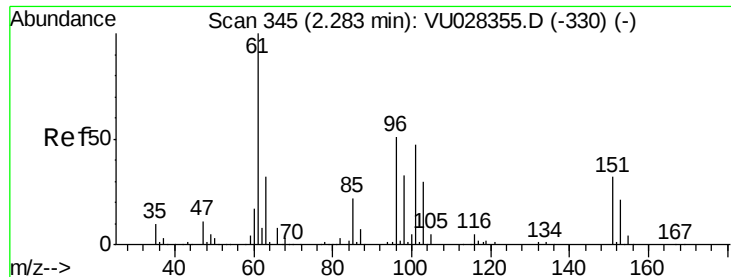


#8

Diethyl Ether
Concen: 49.195 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	124.5	63.0	189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.449 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

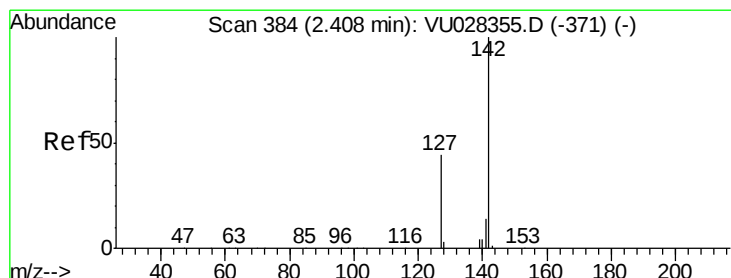
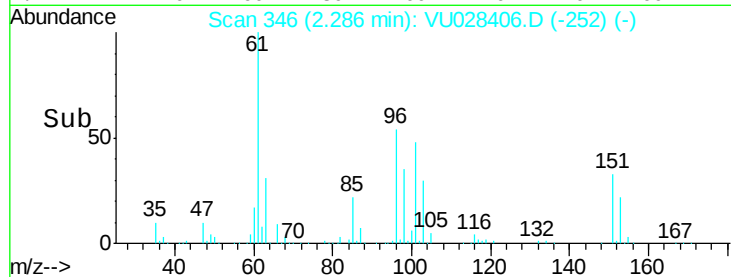
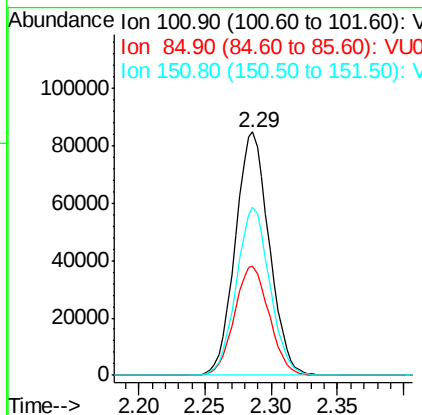
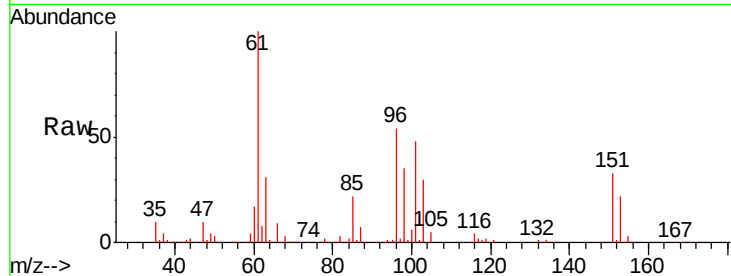
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	150530
Ion Ratio	Lower	Upper	
101	100		
85	46.1	37.2	55.8
151	68.3	55.4	83.0

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#10

Methyl Iodide

Concen: 46.221 ug/l

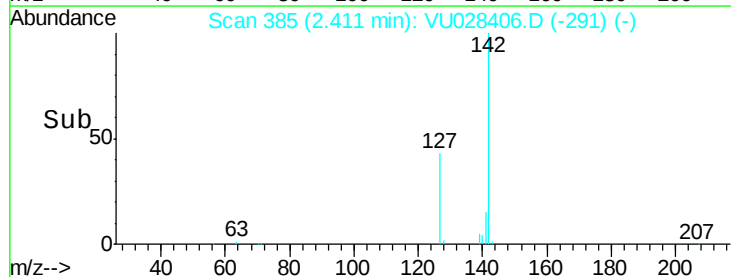
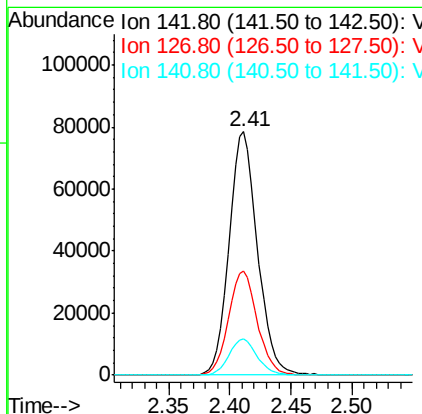
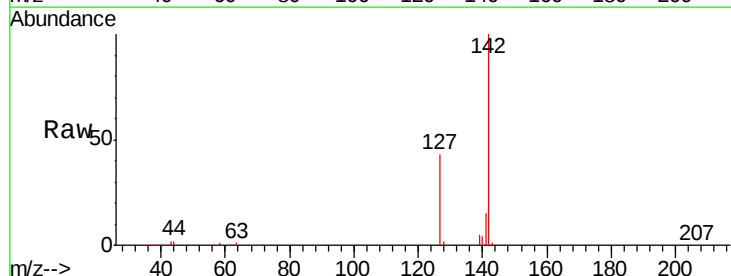
RT: 2.41 min Scan# 385

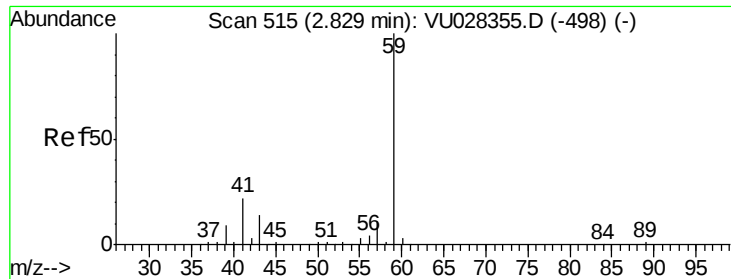
Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Tgt Ion:	142	Resp:	127527
Ion Ratio	Lower	Upper	
142	100		
127	43.2	35.0	52.6
141	14.8	11.2	16.8





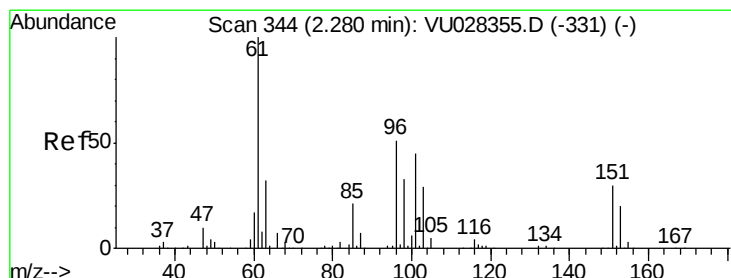
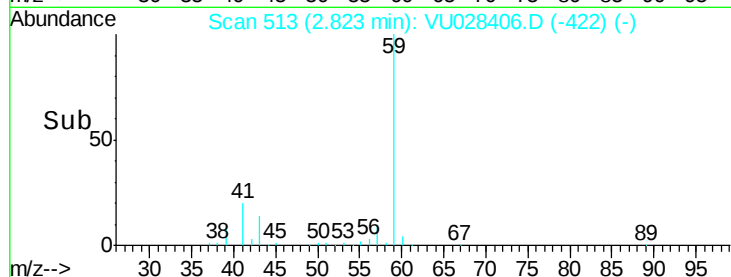
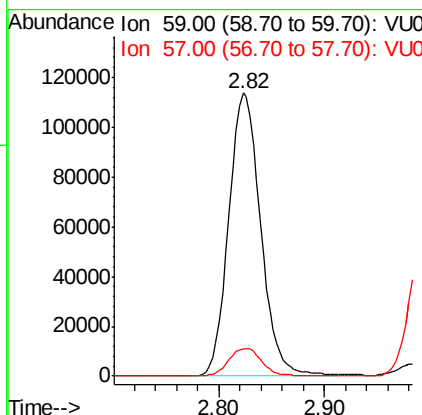
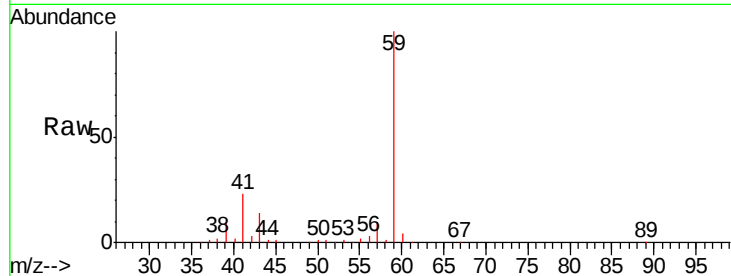
#11
Tert butyl alcohol
Concen: 236.944 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 239102
Ion Ratio Lower Upper
59 100
57 10.1 8.3 12.5

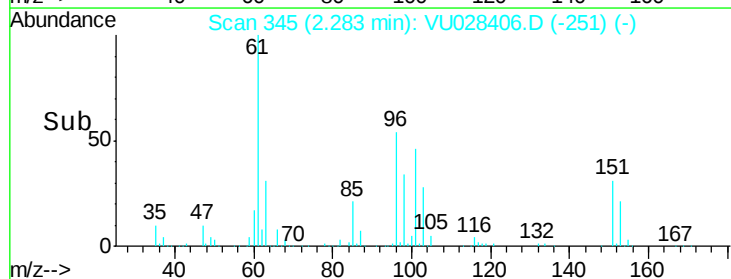
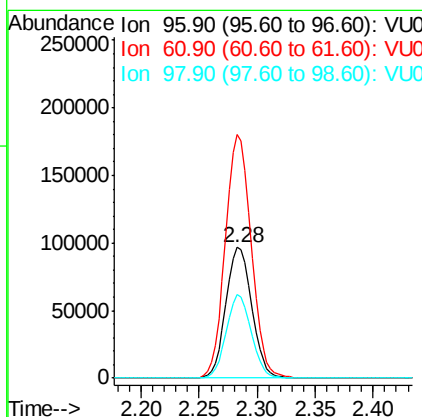
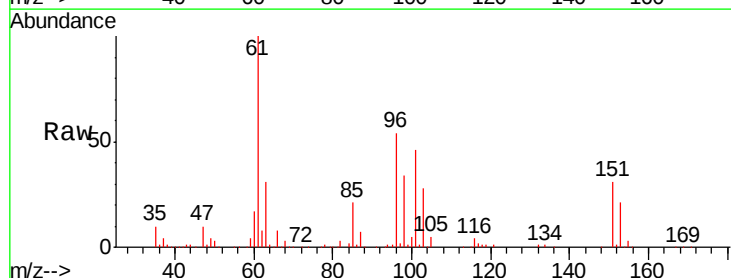
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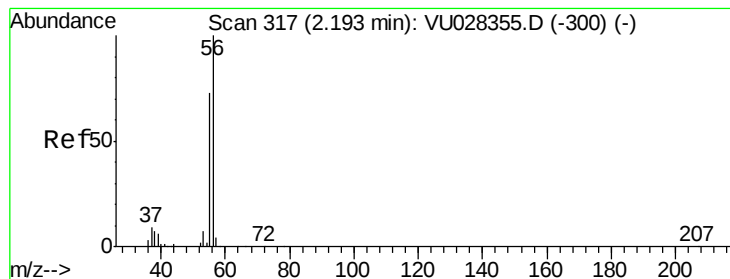
MMDadoda
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#12
1,1-Dichloroethene
Concen: 52.643 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 96 Resp: 149472
Ion Ratio Lower Upper
96 100
61 186.5 158.1 237.1
98 63.6 51.4 77.2





#13

Acrolein

Concen: 231.717 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 207877

Ion Ratio Lower Upper

56 100

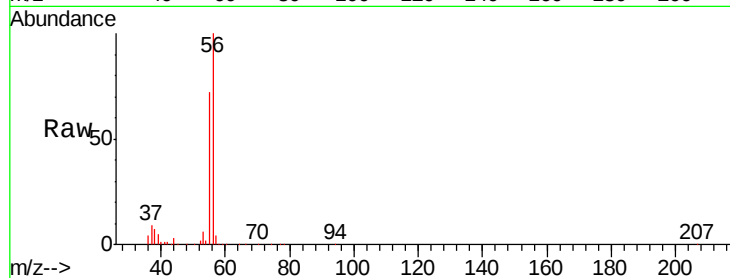
55 70.8 56.6 85.0

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

150000

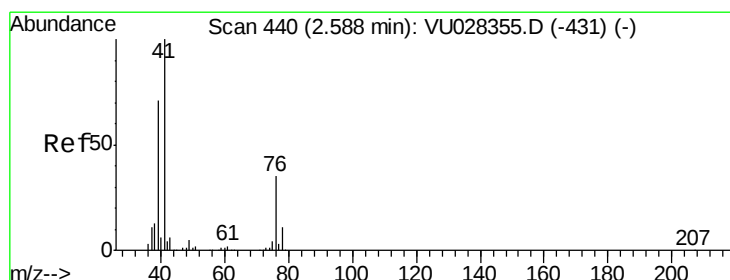
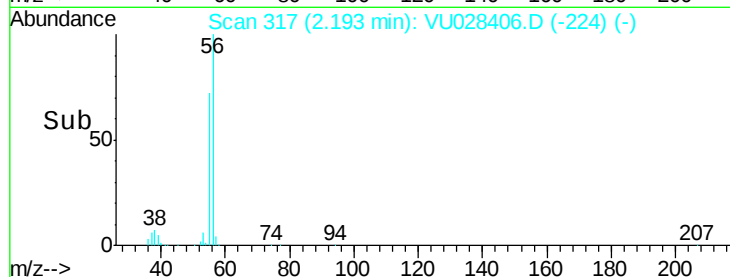
100000

50000

0

2.10 2.20 2.30

Time-->



#14

Allyl chloride

Concen: 46.716 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.01 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

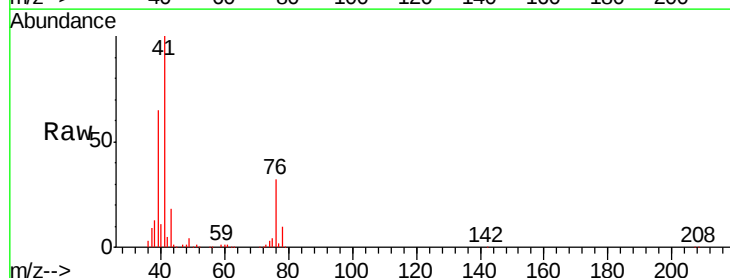
Tgt Ion: 41 Resp: 346558

Ion Ratio Lower Upper

41 100

39 63.2 51.6 77.4

76 30.7 24.4 36.6



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

250000

200000

150000

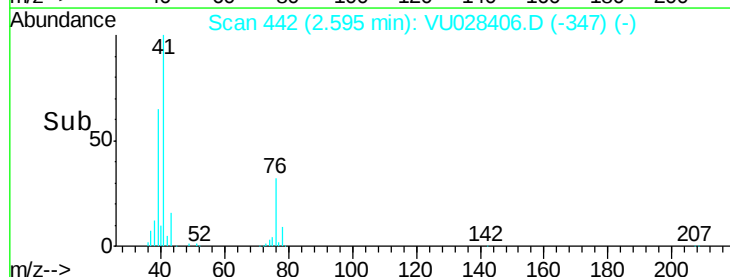
100000

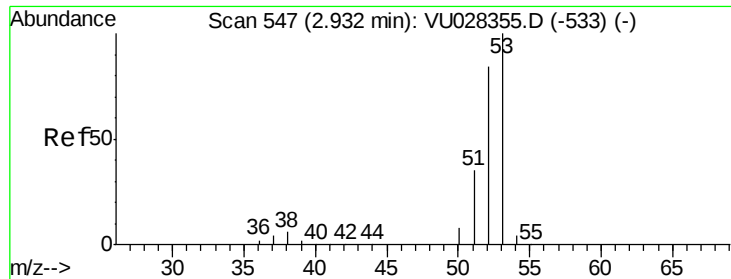
50000

0

2.55 2.60 2.65 2.70

Time-->





#15

Acrylonitrile

Concen: 259.481 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

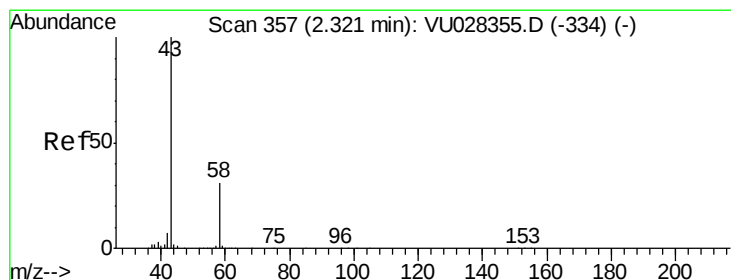
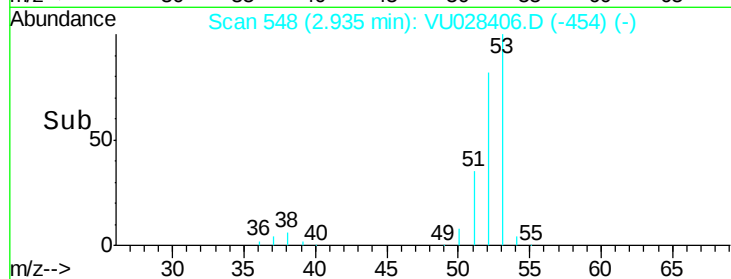
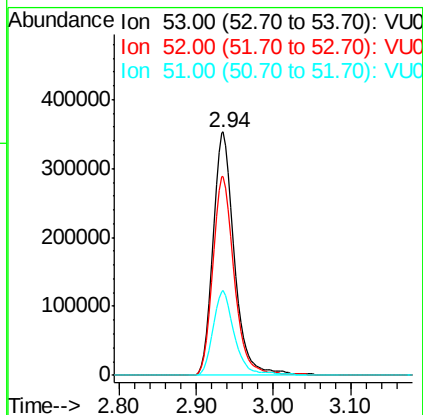
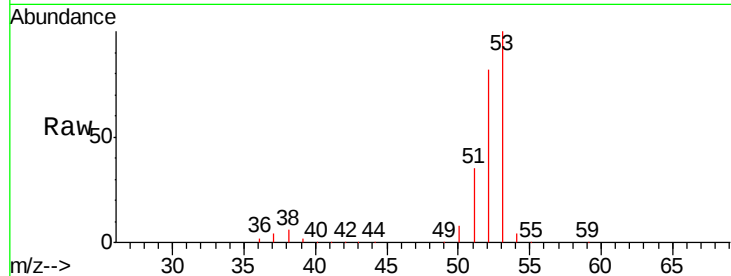
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	692630
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.7	98.5
51	35.2	27.8	41.6

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#16

Acetone

Concen: 210.402 ug/l

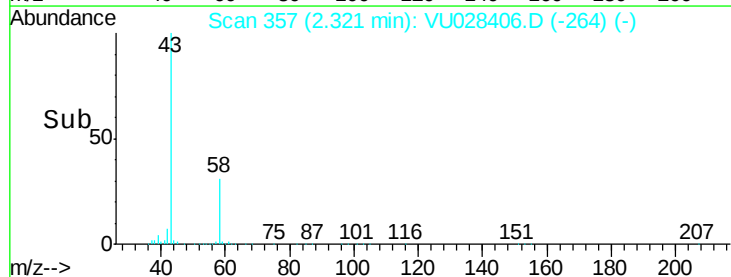
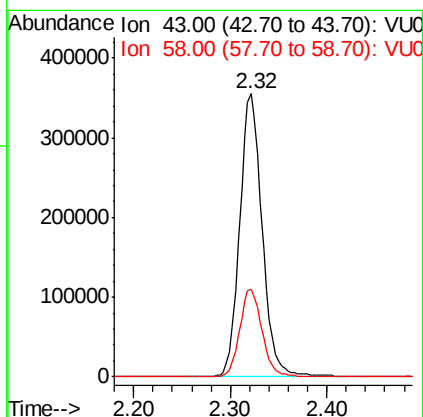
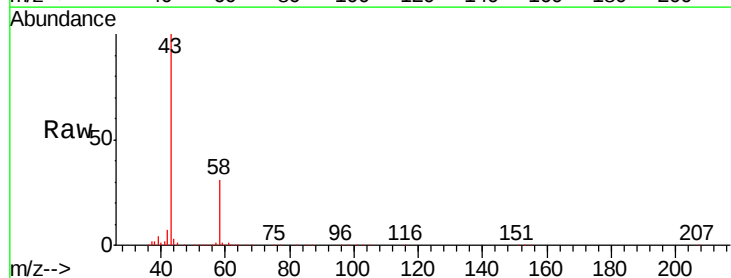
RT: 2.32 min Scan# 357

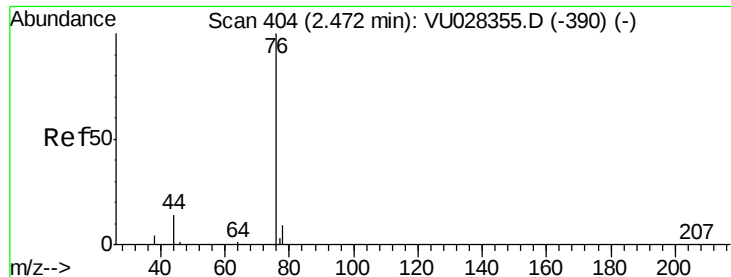
Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Tgt Ion:	43	Resp:	571703
Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.4	36.6





#17

Carbon Disulfide

Concen: 45.907 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 500315

Ion Ratio Lower Upper

76 100

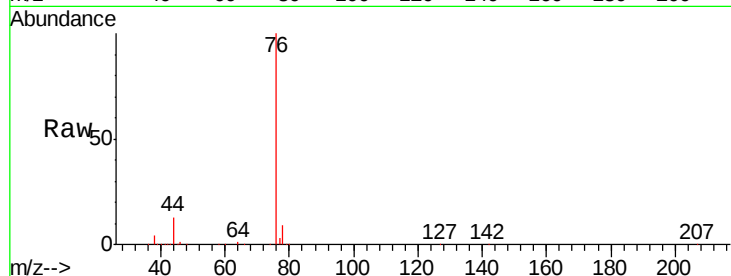
78 9.1 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU028406.D (-311) (-)

Ion 77.90 (77.60 to 78.60): VU028406.D (-311) (-)

2.48

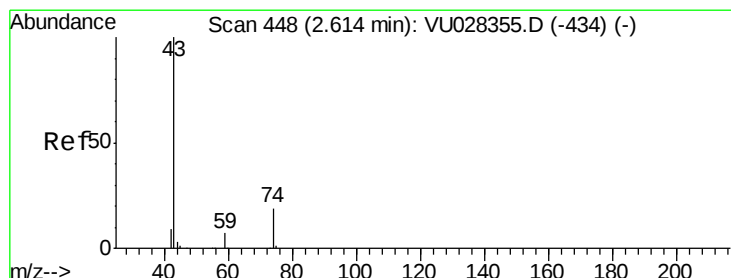
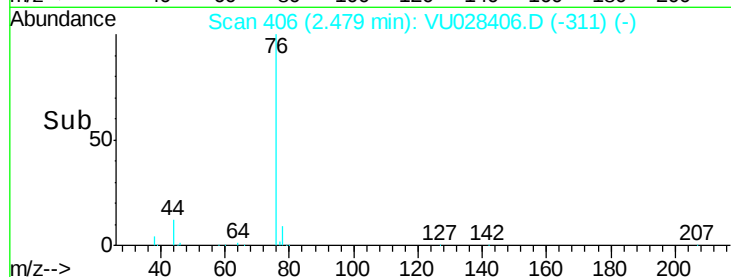
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 50.418 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU028406.D

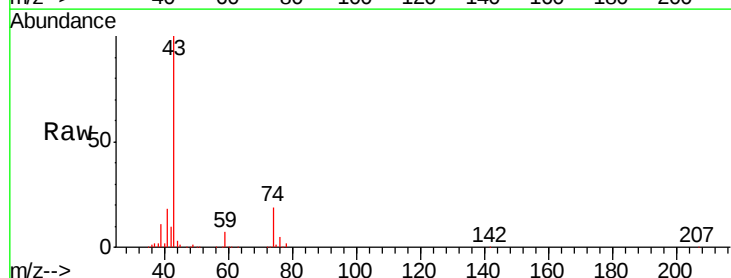
Acq: 29 Nov 2018 20:02

Tgt Ion: 43 Resp: 381429

Ion Ratio Lower Upper

43 100

74 19.5 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU028406.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU028406.D (-355) (-)

2.61

250000

200000

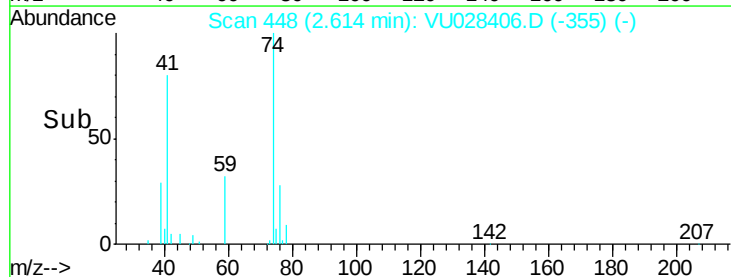
150000

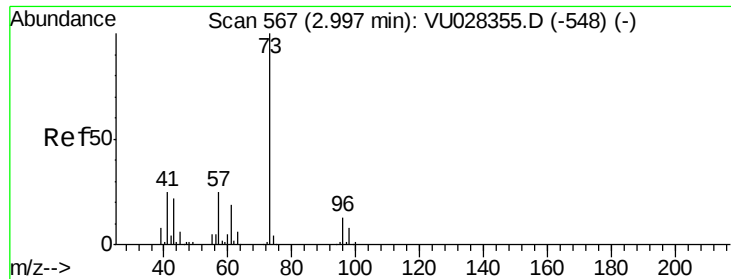
100000

50000

0

Time-->





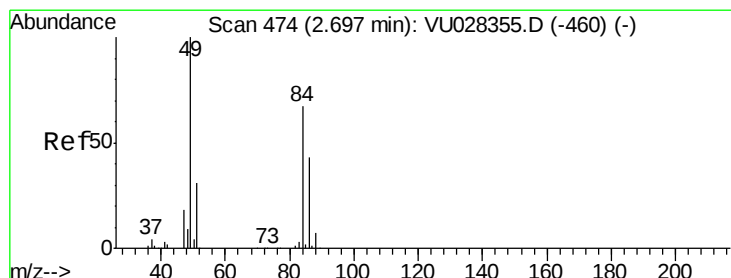
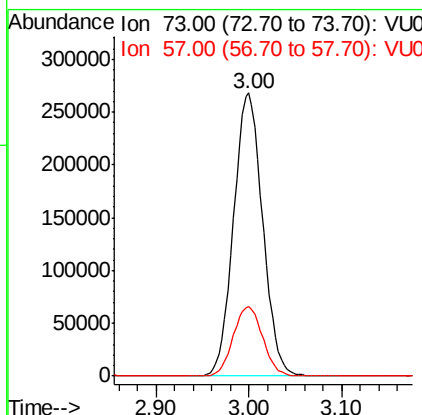
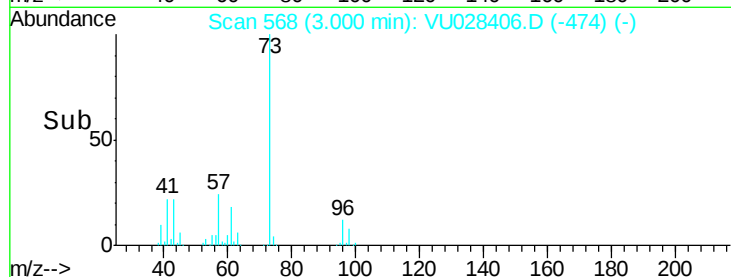
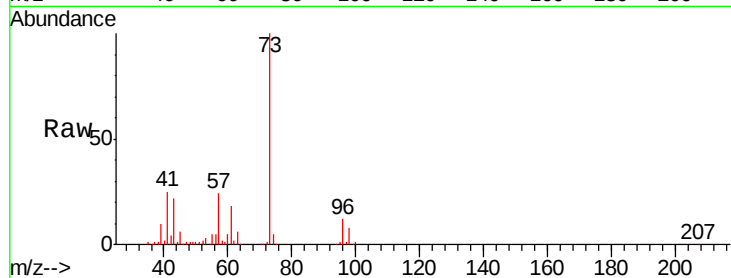
#19
Methyl tert-butyl Ether
Concen: 50.086 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 583031
Ion Ratio Lower Upper
73 100
57 24.5 20.1 30.1

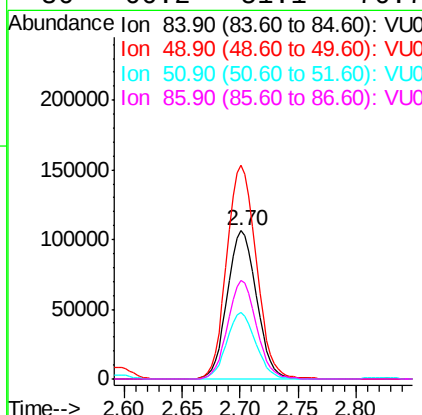
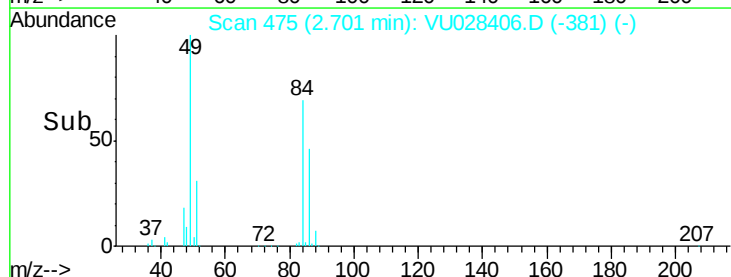
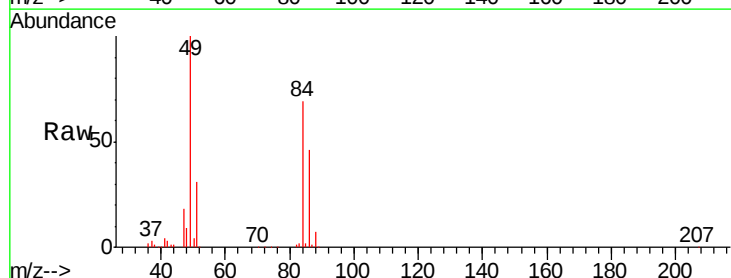
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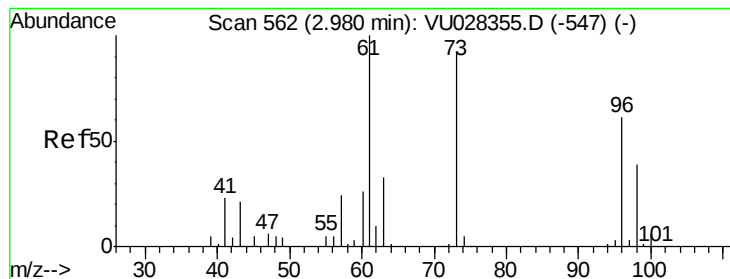
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#20
Methylene Chloride
Concen: 48.577 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 84 Resp: 186181
Ion Ratio Lower Upper
84 100
49 144.1 120.0 180.0
51 44.7 36.9 55.3
86 66.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.983 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 164590

Ion Ratio Lower Upper

96 100

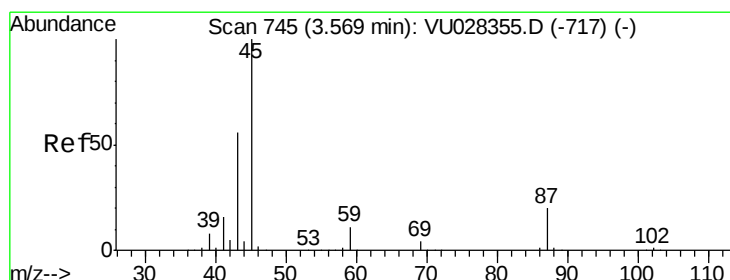
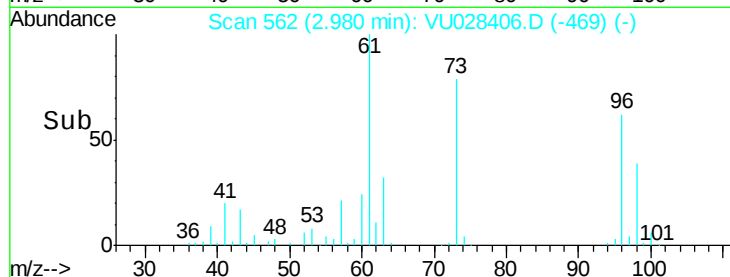
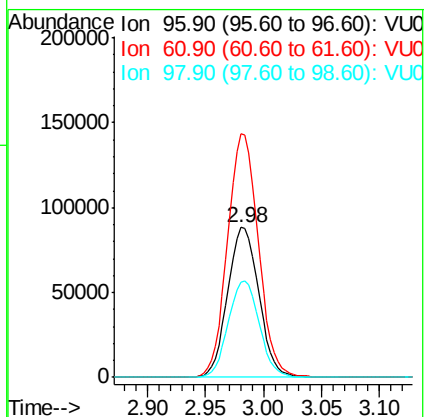
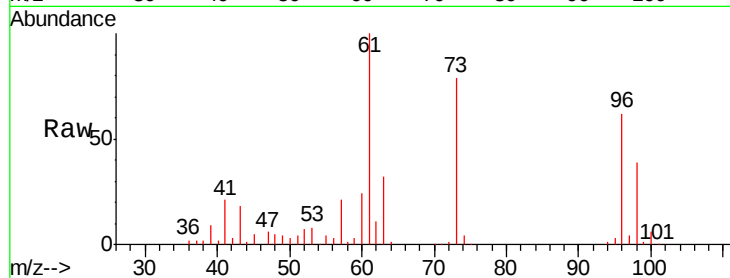
61 162.6 131.1 196.7

98 63.1 51.7 77.5

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#22

Diisopropyl ether

Concen: 50.725 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Tgt Ion: 45 Resp: 740836

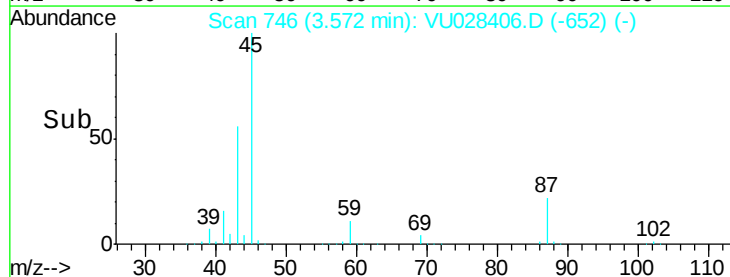
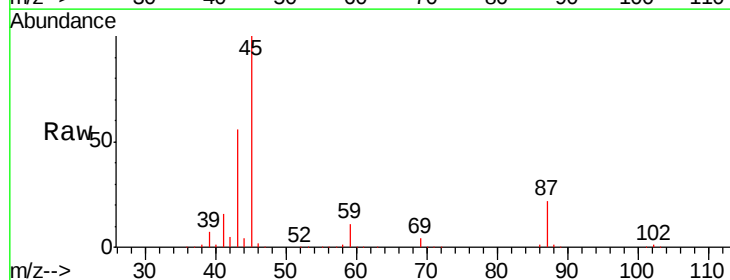
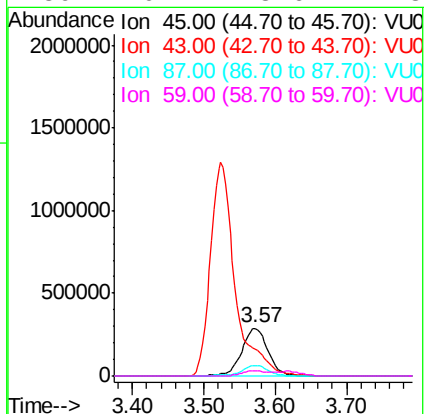
Ion Ratio Lower Upper

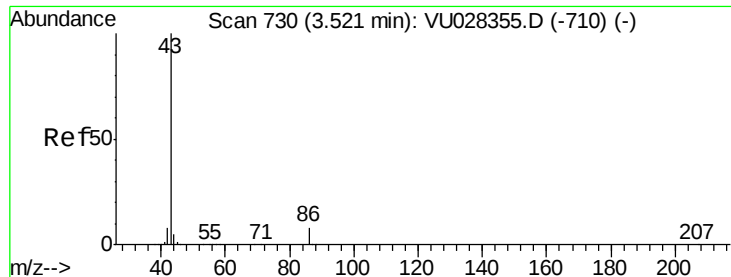
45 100

43 55.5 44.8 67.2

87 21.8 16.3 24.5

59 10.7 8.6 12.8





#23

Vinyl Acetate

Concen: 255.271 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 3098978

Ion Ratio Lower Upper

43 100

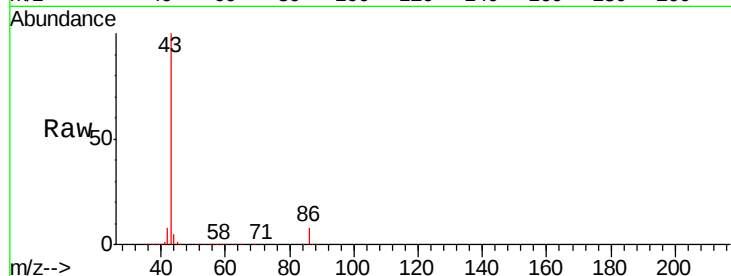
86 8.1 6.5 9.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU028406.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU028406.D (-637) (-)

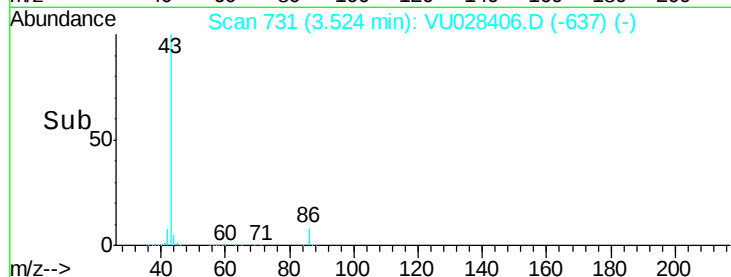
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.448 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

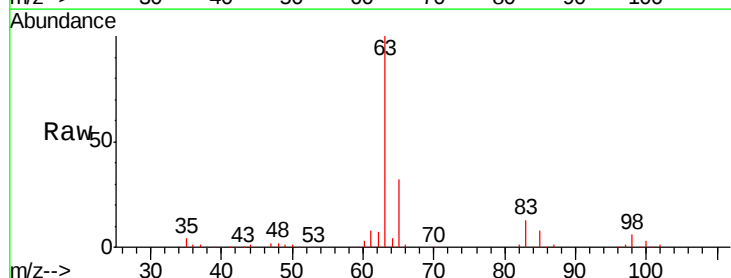
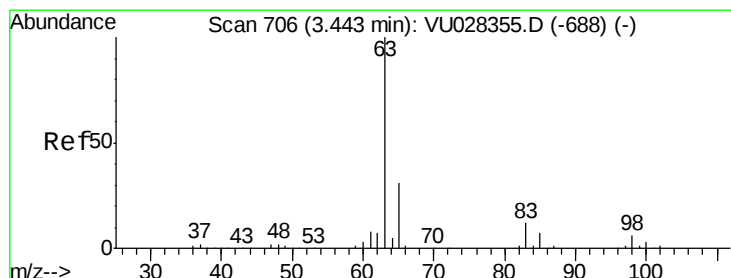
Tgt Ion: 63 Resp: 363271

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.5 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028406.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU028406.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU028406.D (-613) (-)

200000

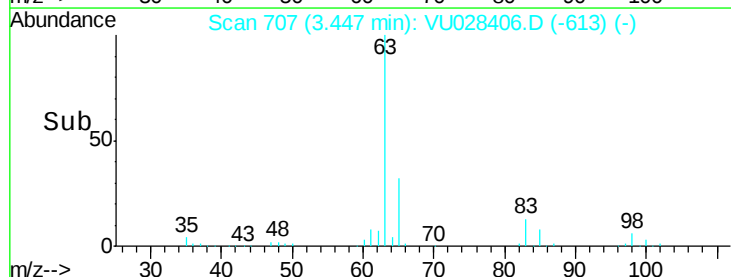
150000

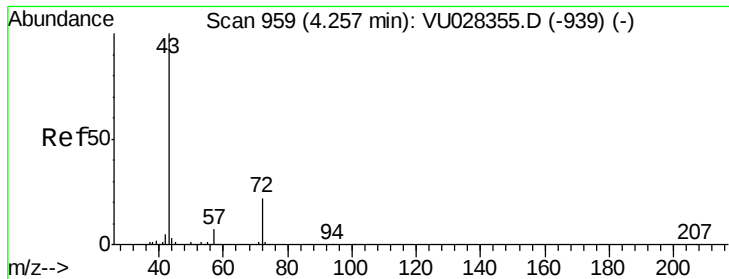
100000

50000

0

Time-->





#25

2-Butanone

Concen: 246.424 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 959615

Ion Ratio Lower Upper

43 100

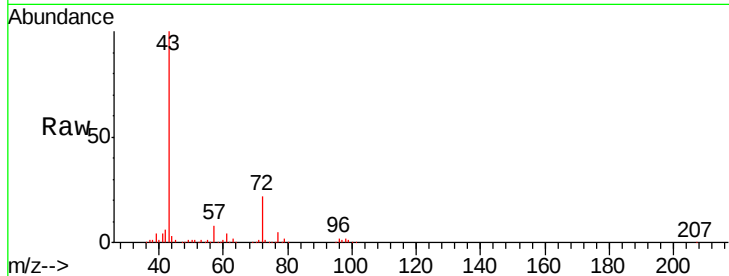
72 22.1 17.7 26.5

Manual Integrations

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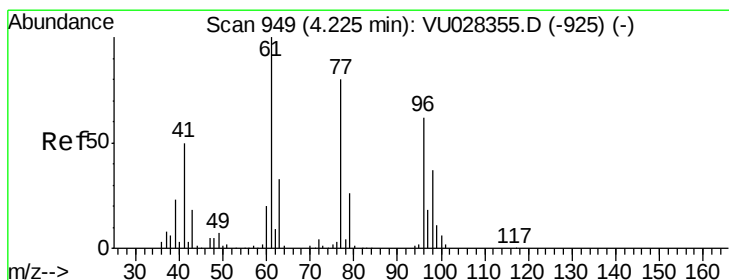
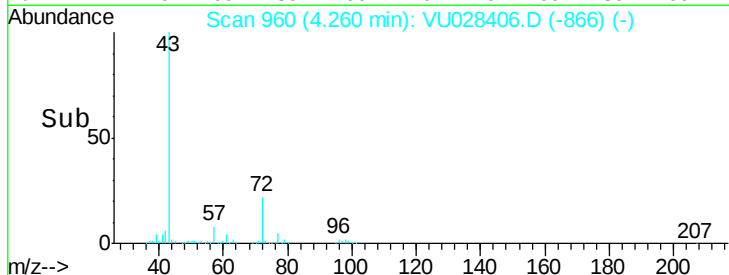
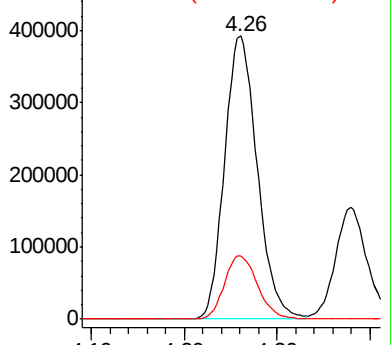
MMDadoda

11/30/2018 11:26:10 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: 46.749 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028406.D

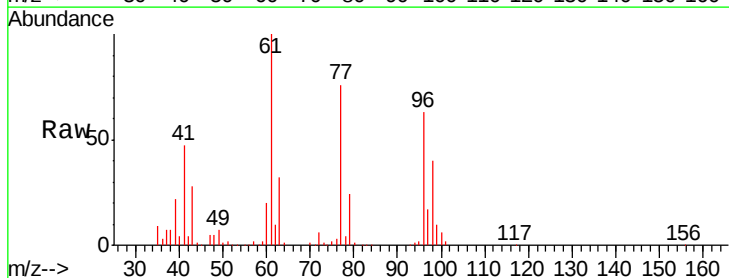
Acq: 29 Nov 2018 20:02

Tgt Ion: 77 Resp: 267350

Ion Ratio Lower Upper

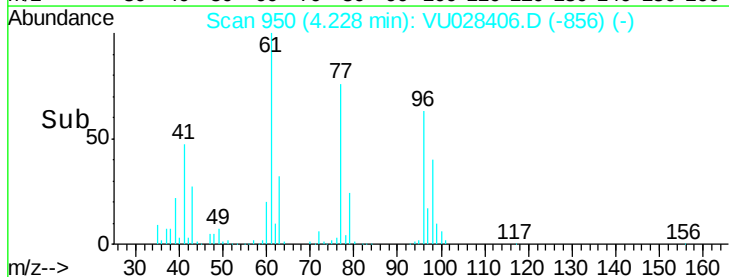
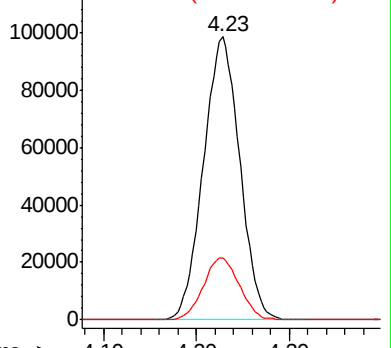
77 100

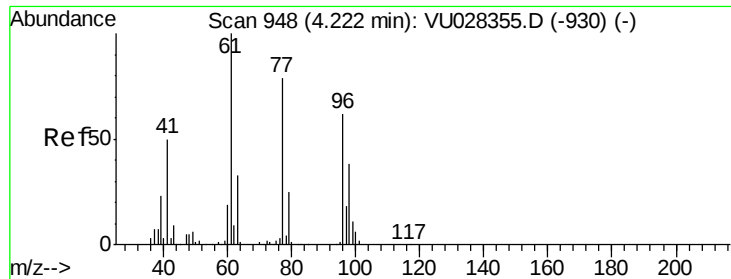
97 21.8 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

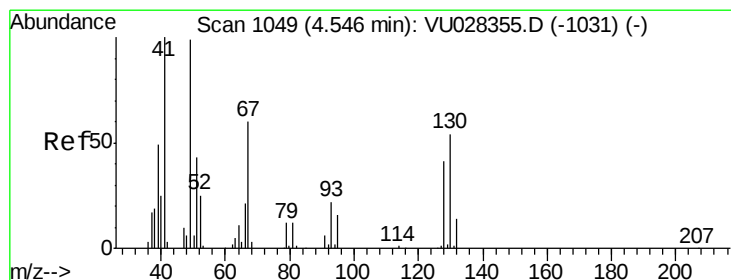
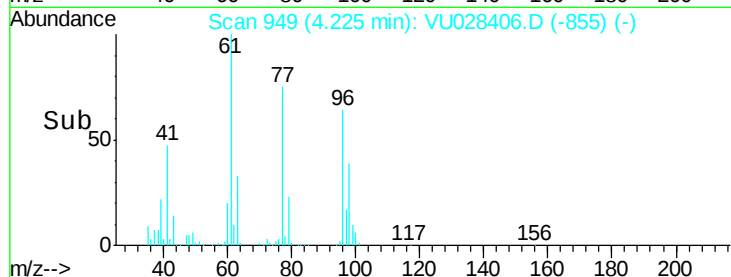
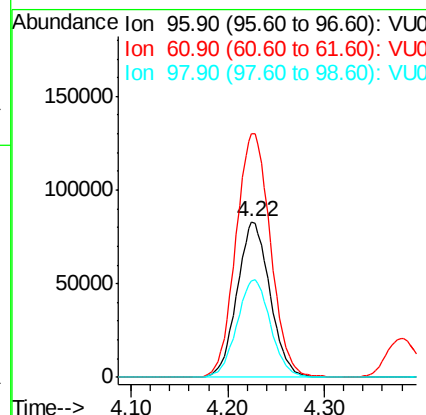
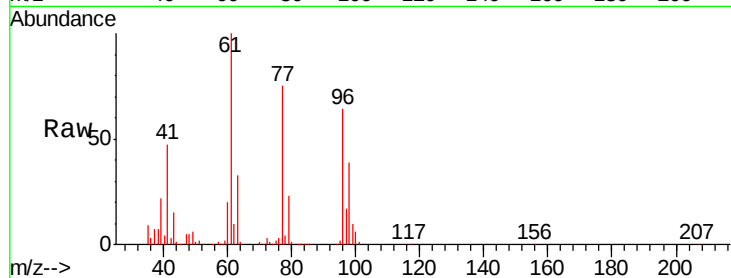
cis-1,2-Dichloroethene
Concen: 50.300 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	195885		
61	165.3	0.0	342.0	
98	64.0	0.0	126.4	

Manual Integrations
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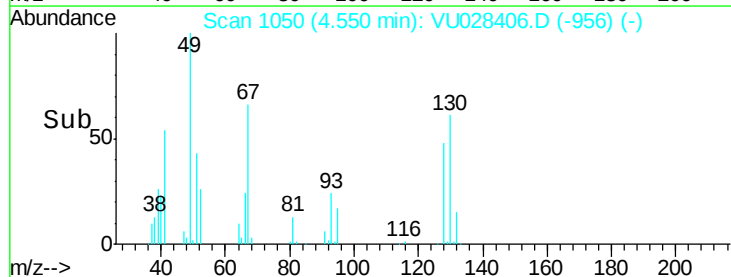
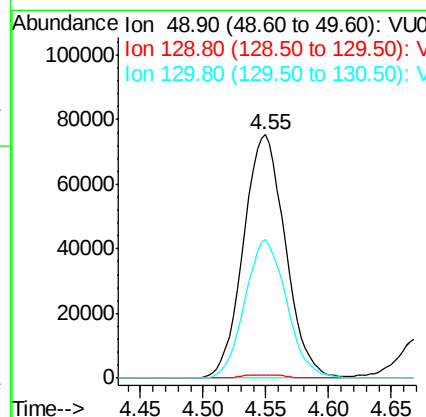
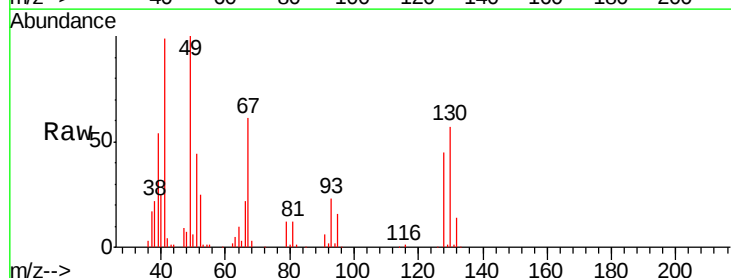
MMDadoda
11/30/2018 11:26:10 AM

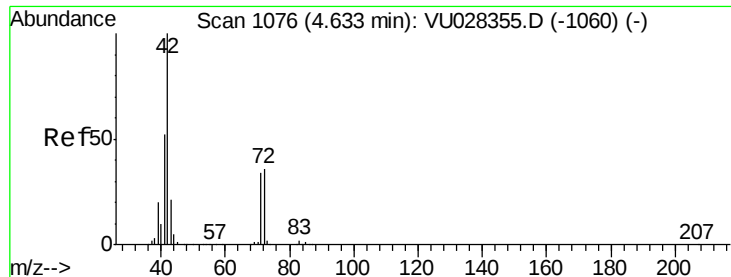


#28

Bromochloromethane
Concen: 48.616 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	175043		
129	1.4	0.0	2.6	
130	56.8	44.5	66.7	





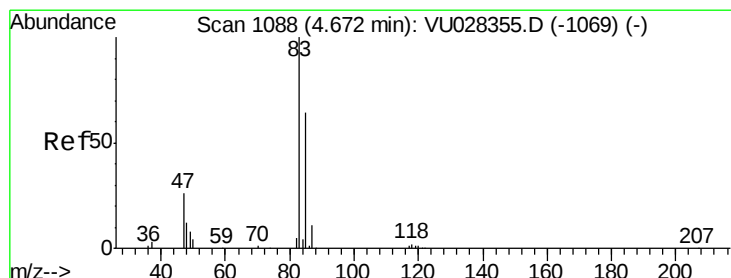
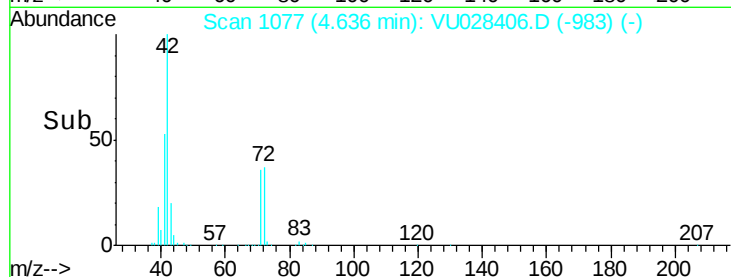
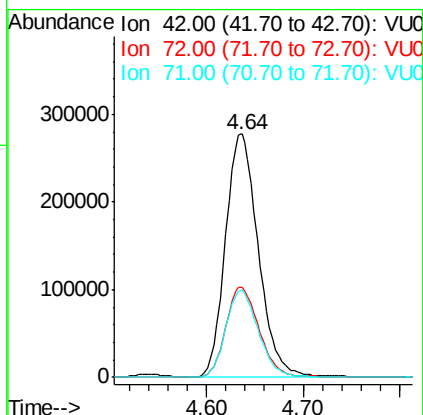
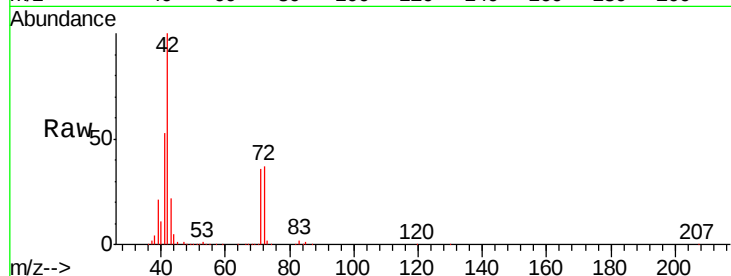
#29
Tetrahydrofuran
Concen: 258.852 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.6	29.5	44.3
71	35.9	27.7	41.5

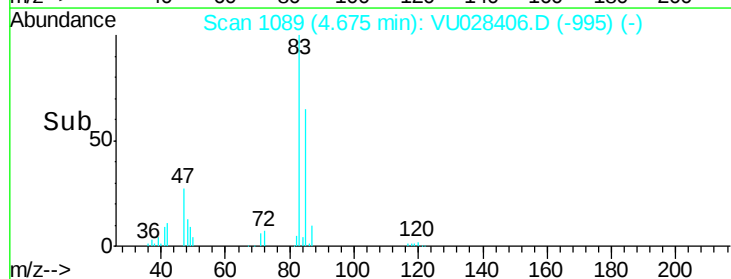
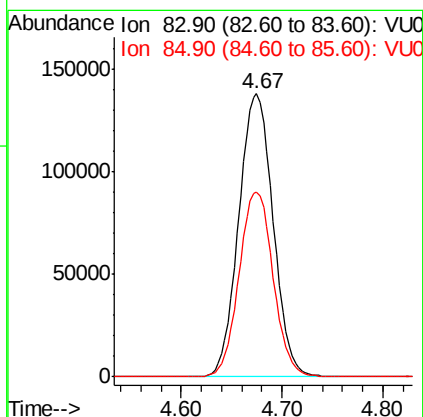
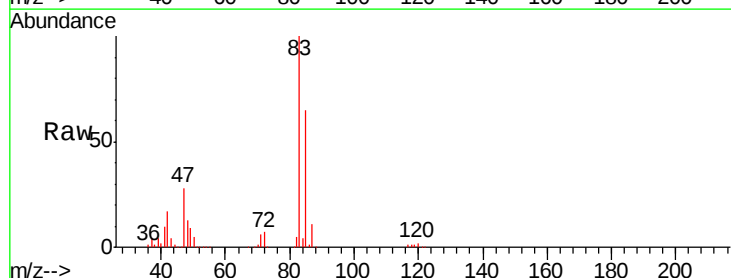
Manual Integrations
APPROVED

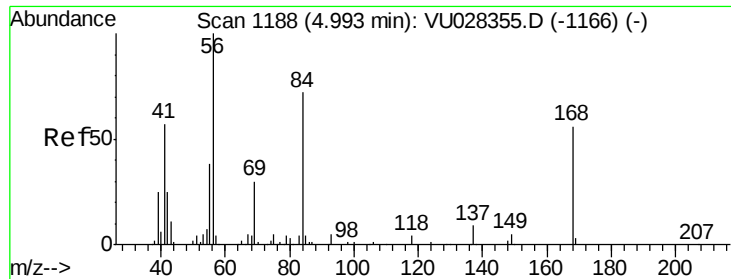
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11/30/2018 11:26:10 AM



#30
Chloroform
Concen: 49.054 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.2	76.8





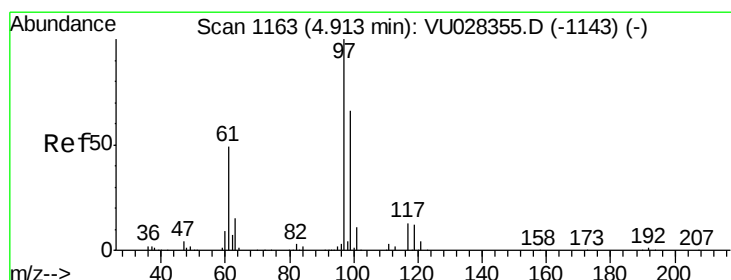
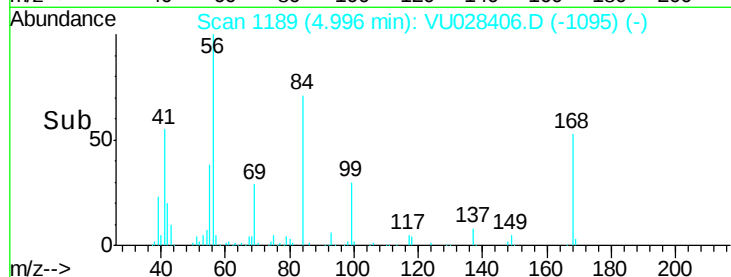
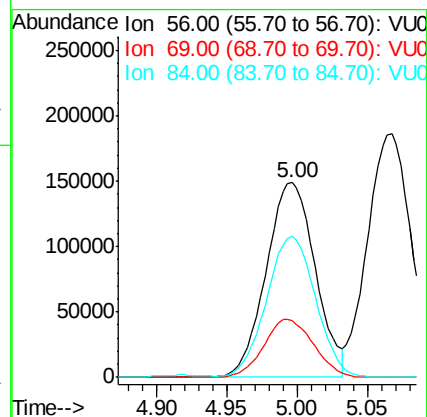
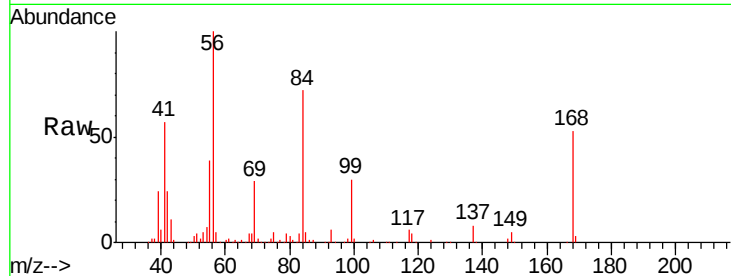
#31
Cyclohexane
Concen: 48.873 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.7	35.5
84	71.3	57.3	85.9

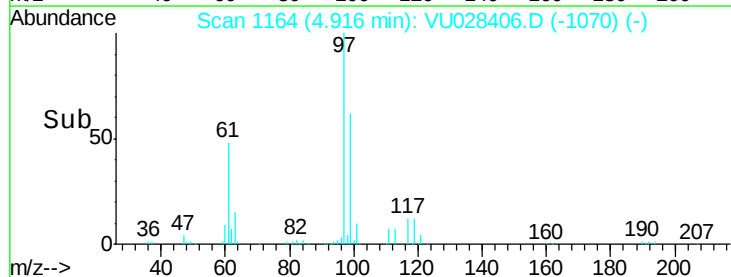
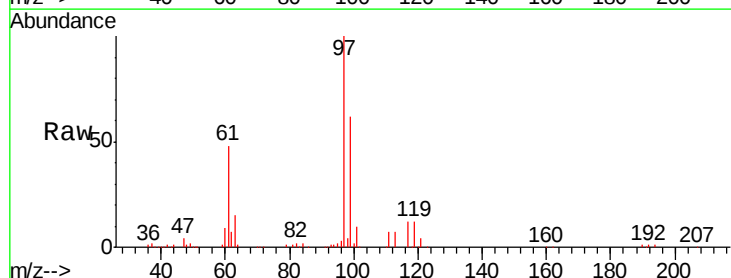
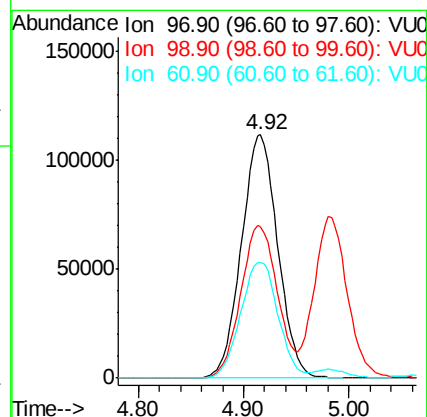
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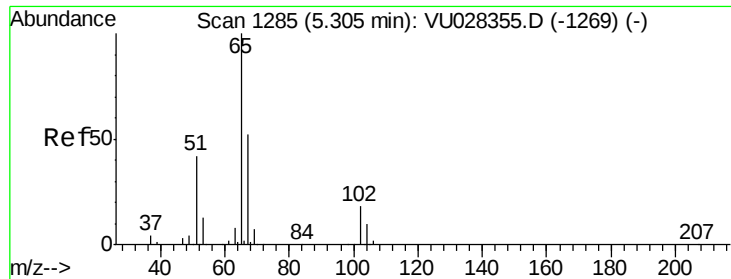
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#32
1,1,1-Trichloroethane
Concen: 50.224 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.8	76.2
61	49.1	39.1	58.7





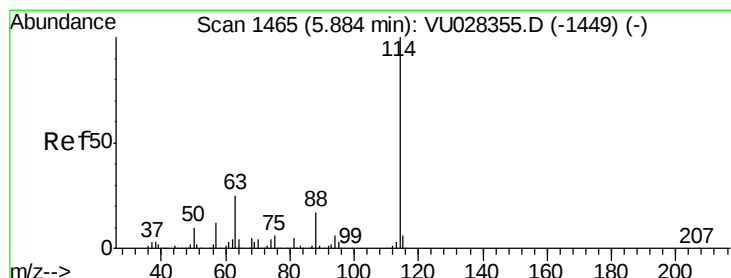
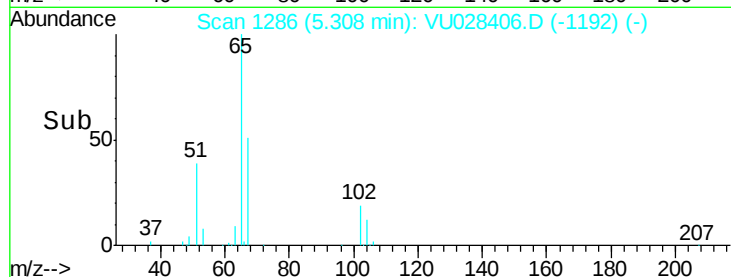
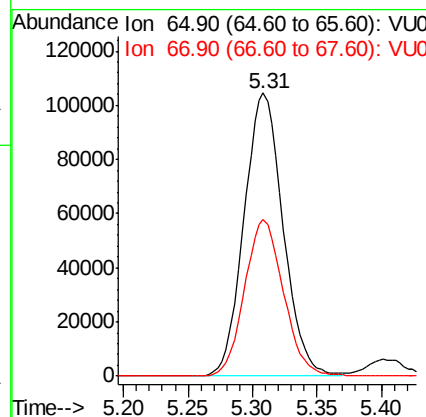
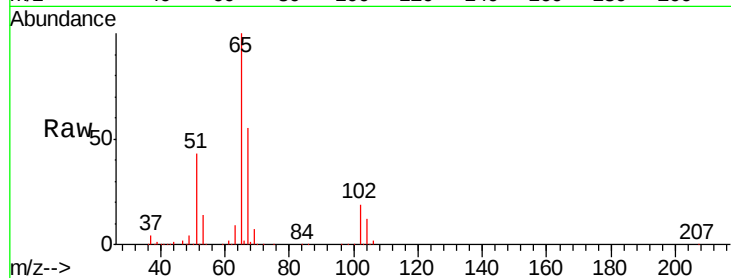
#33
 1,2-Dichloroethane-d4
 Concen: 49.643 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	220505		
67	55.0	0.0	106.8	

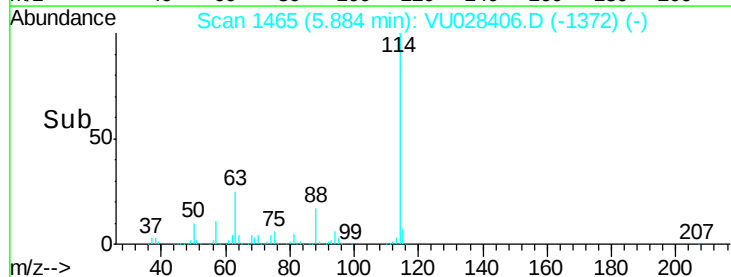
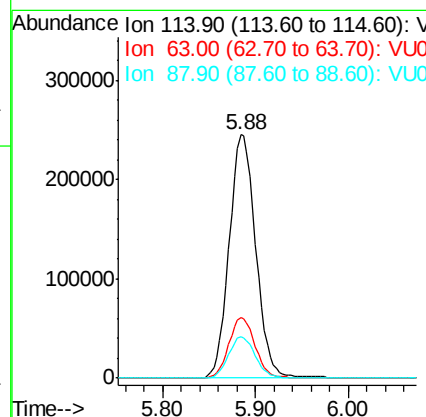
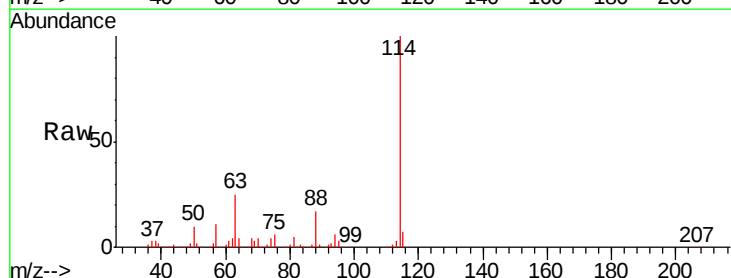
Manual Integrations
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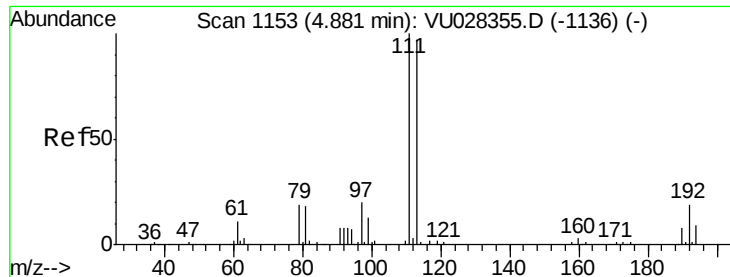
MMDadoda
 11/30/2018 11:26:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	488458		
63	24.8	0.0	50.0	
88	17.0	0.0	34.4	





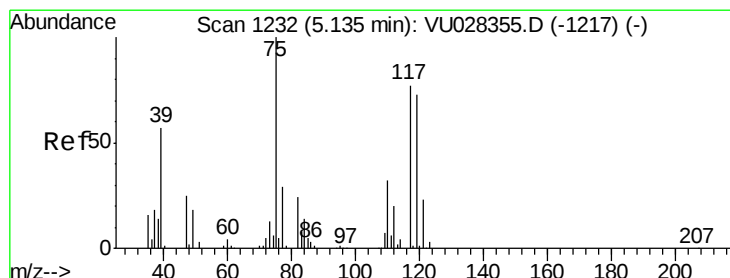
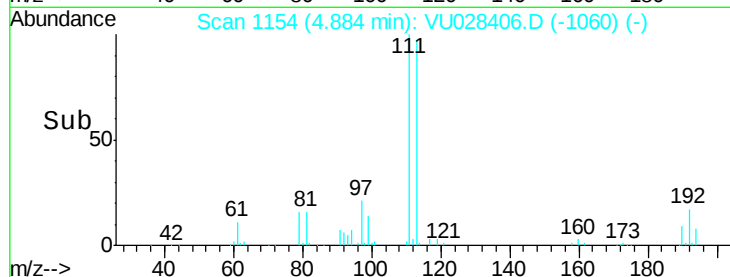
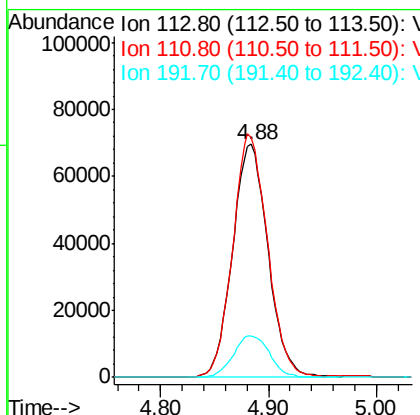
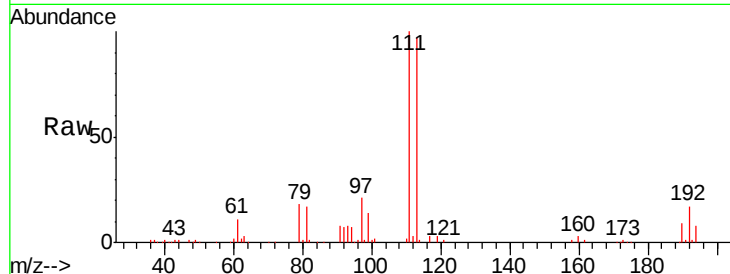
#35
 Dibromofluoromethane
 Concen: 49.110 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	159511		
111	102.0	82.9	124.3	
192	18.3	15.4	23.0	

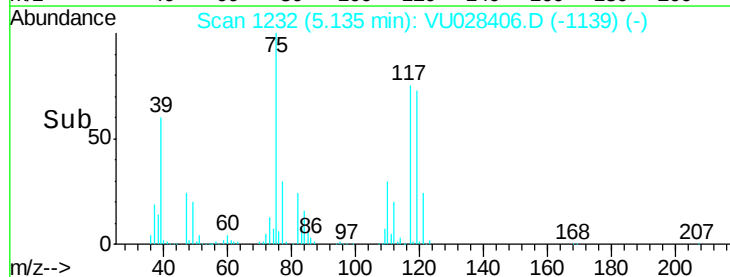
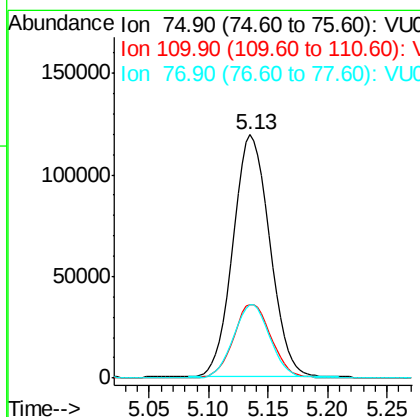
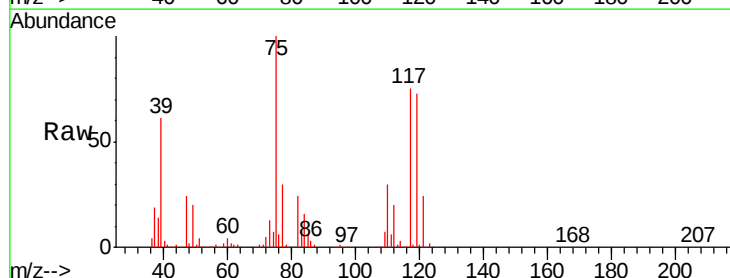
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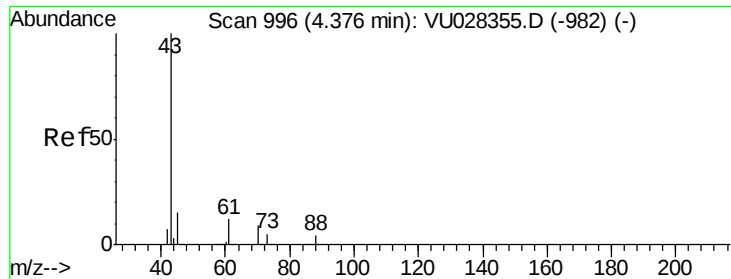
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 47.949 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	256295		
110	31.4	15.8	47.4	
77	30.4	24.6	36.8	





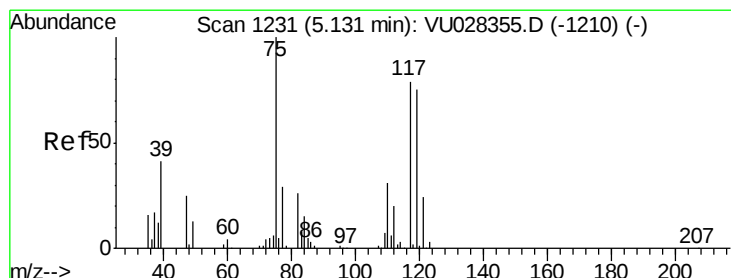
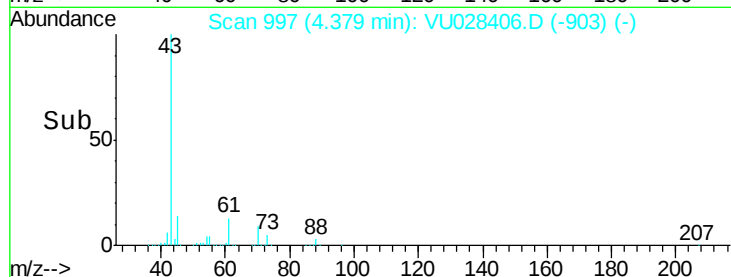
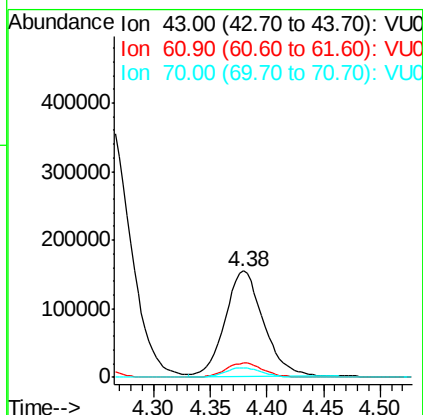
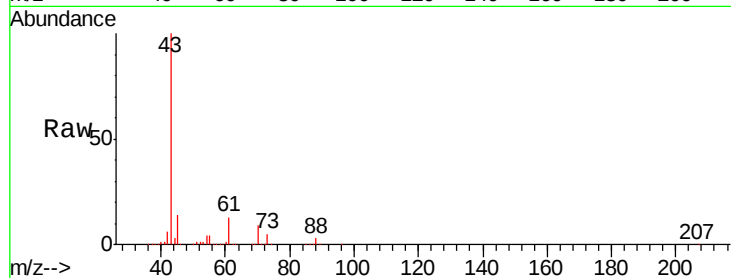
#37
Ethyl Acetate
Concen: 50.111 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.4
70	8.7	6.9	10.3

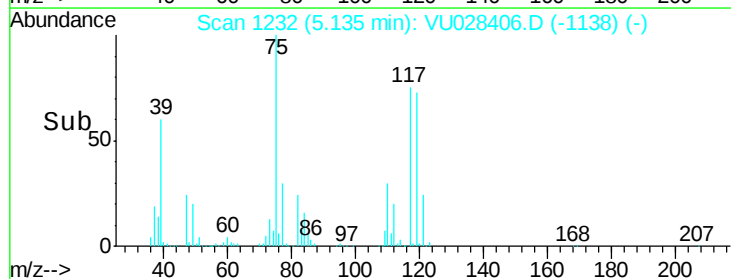
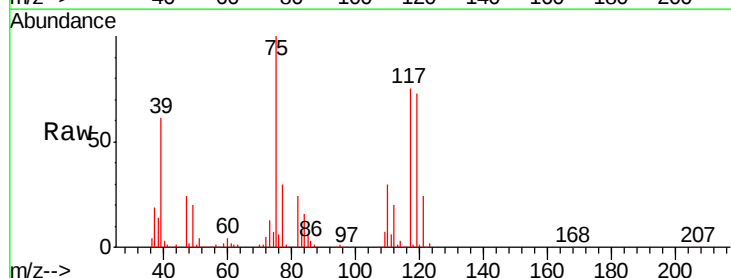
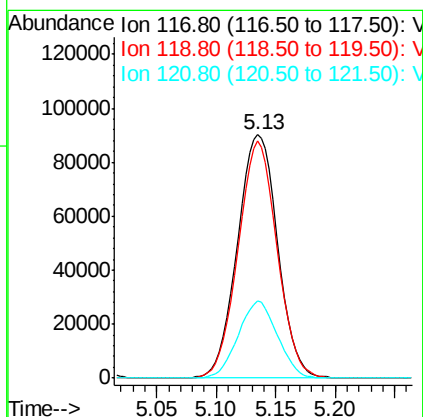
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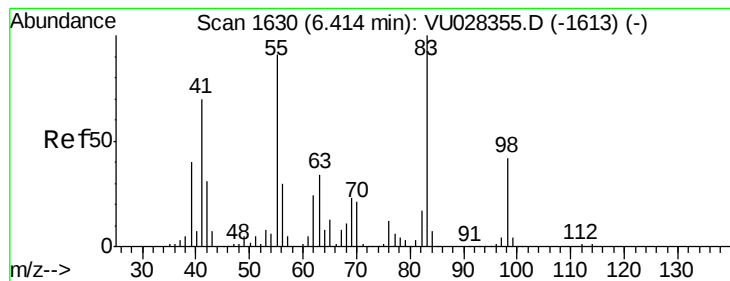
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#38
Carbon Tetrachloride
Concen: 48.080 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.3	114.5
121	31.7	24.7	37.1





#39

Methylcyclohexane

Concen: 48.427 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 305183

Ion Ratio Lower Upper

83 100

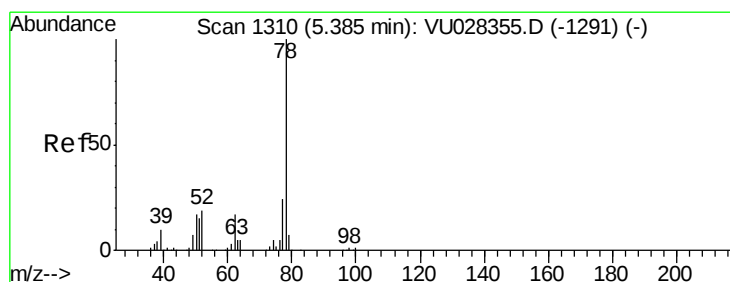
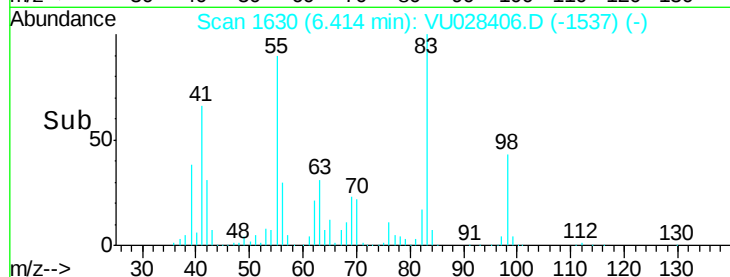
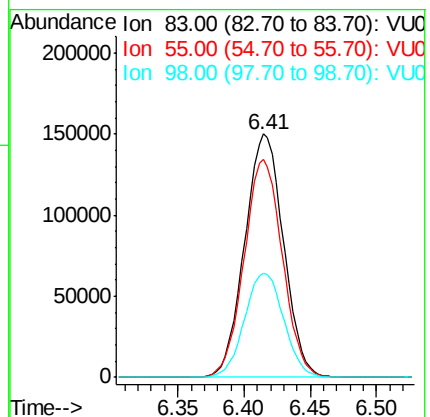
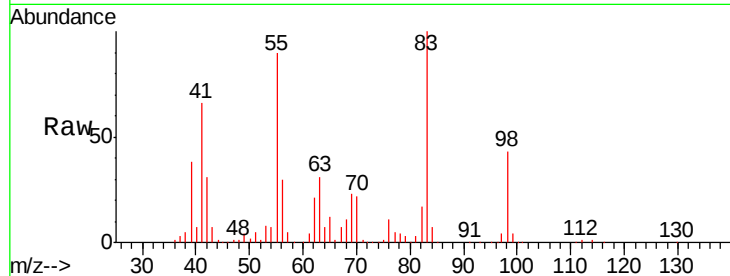
55 89.7 73.1 109.7

98 42.8 33.9 50.9

Manual Integrations
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#40

Benzene

Concen: 49.005 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028406.D

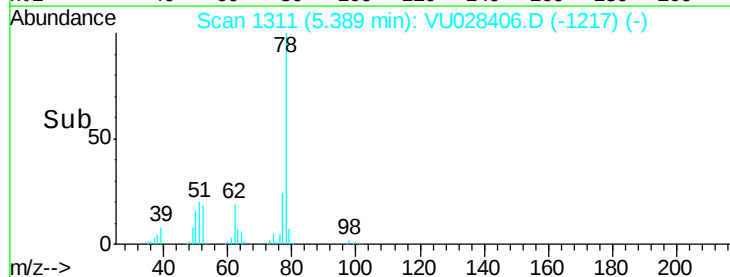
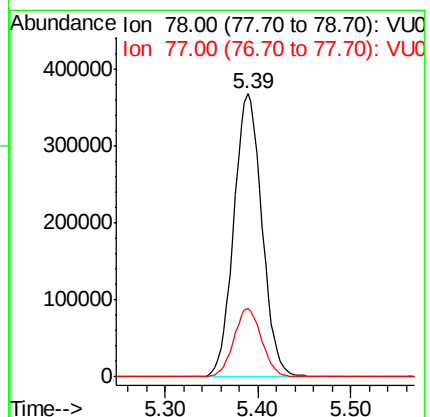
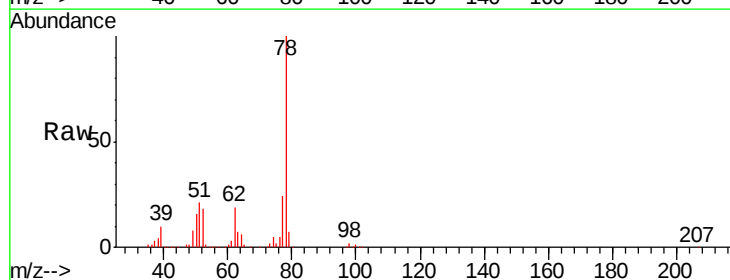
Acq: 29 Nov 2018 20:02

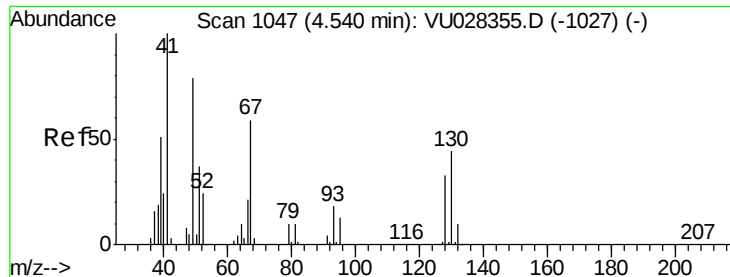
Tgt Ion: 78 Resp: 775800

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.6





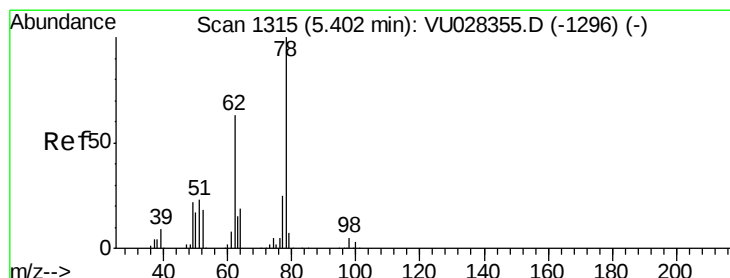
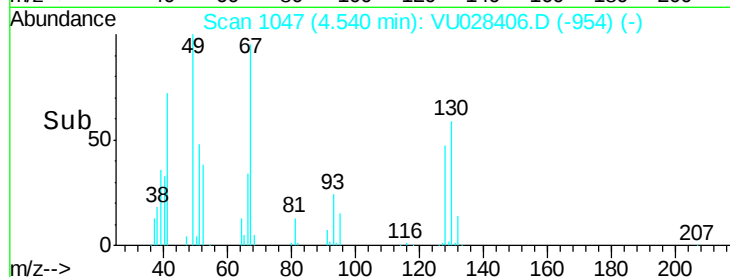
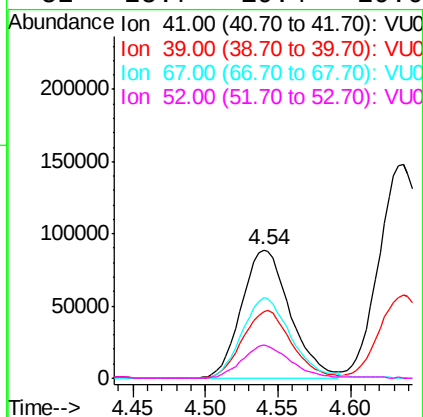
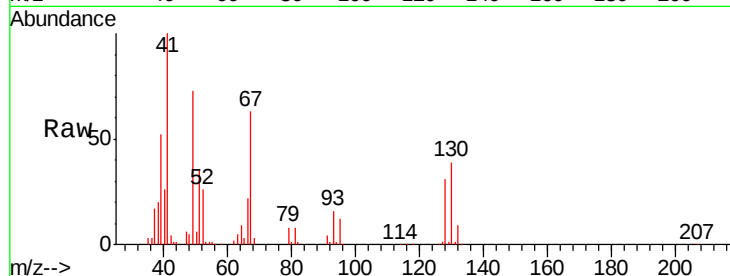
#41
Methacrylonitrile
Concen: 51.011 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.6	41.3	61.9
67	63.4	48.6	73.0
52	25.7	19.4	29.0

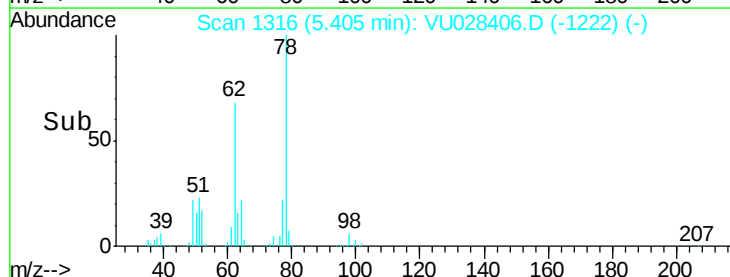
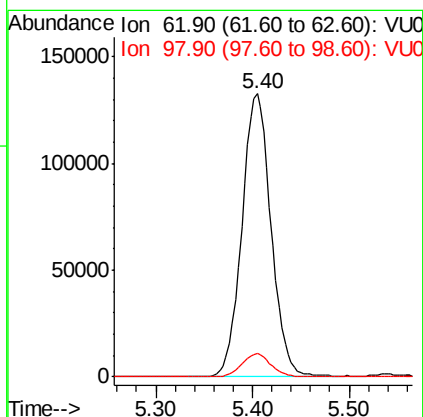
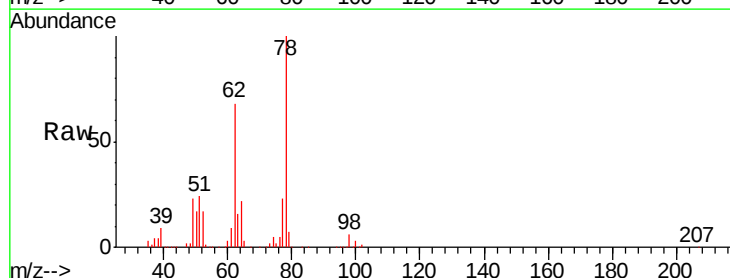
Manual Integrations
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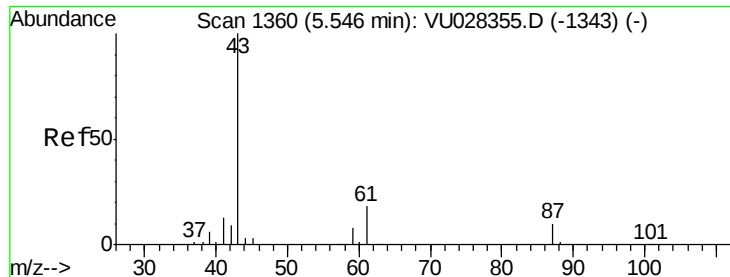
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.567 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.4





#43

Isopropyl Acetate

Concen: 50.665 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

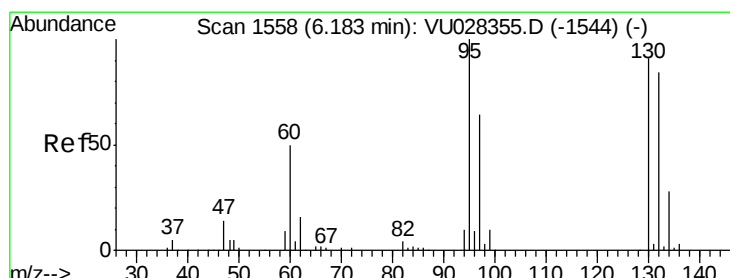
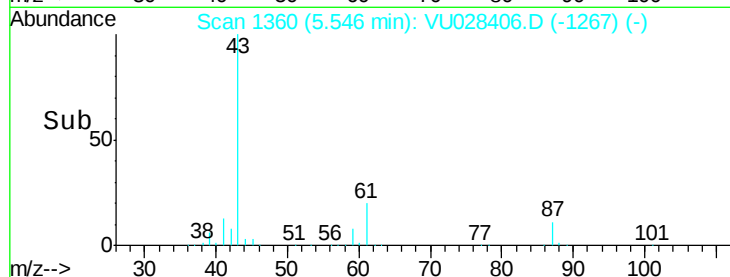
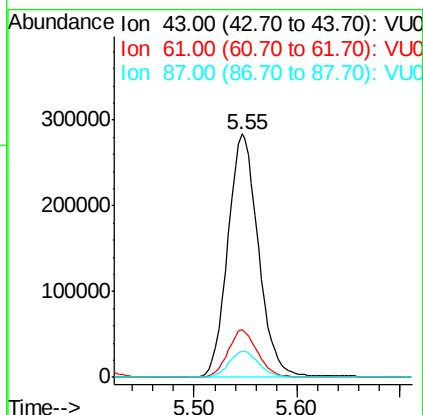
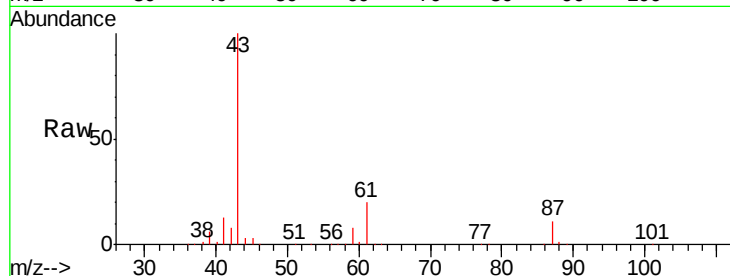
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	584822
Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.5	21.7
87	10.5	8.4	12.6

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#44

Trichloroethene

Concen: 49.817 ug/l

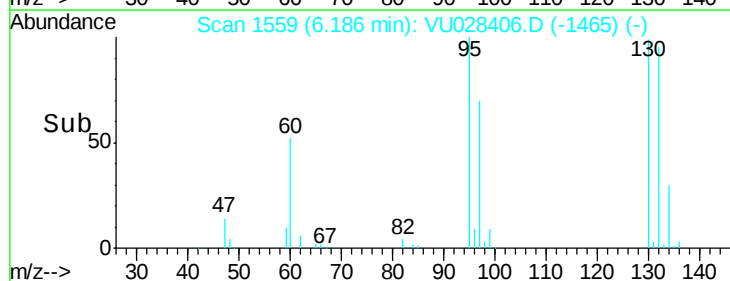
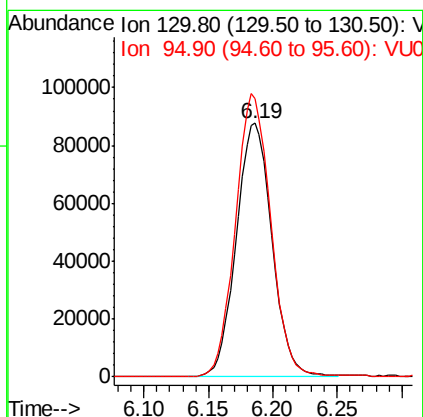
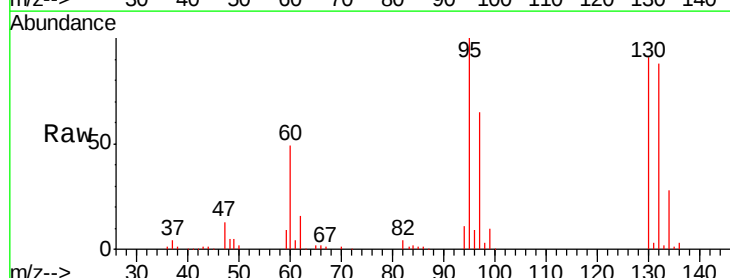
RT: 6.19 min Scan# 1559

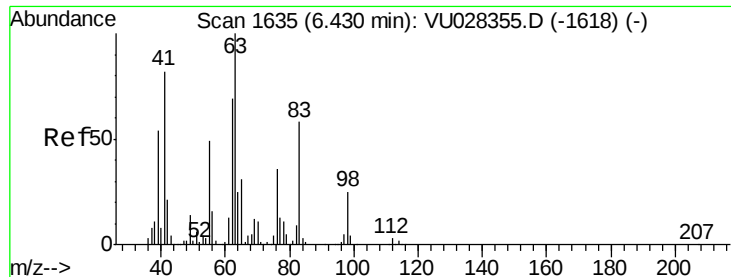
Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Tgt Ion:	130	Resp:	169049
Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	219.8





#45

1,2-Dichloropropane

Concen: 49.094 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 227598

Ion Ratio Lower Upper

63 100

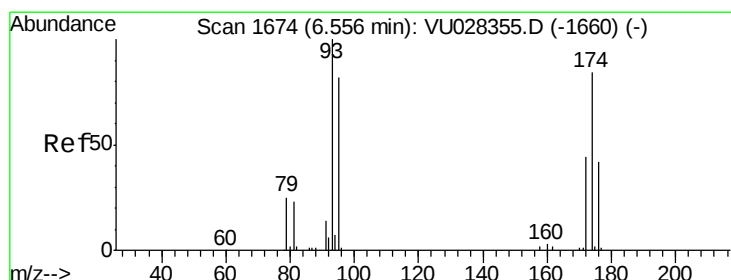
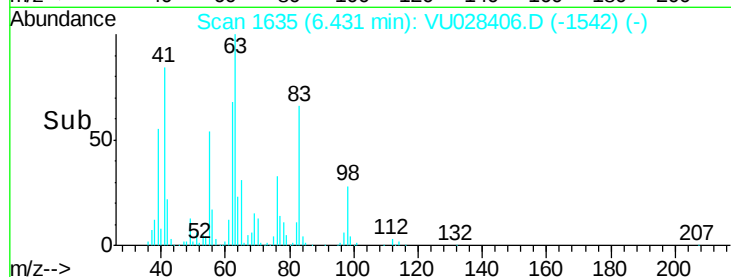
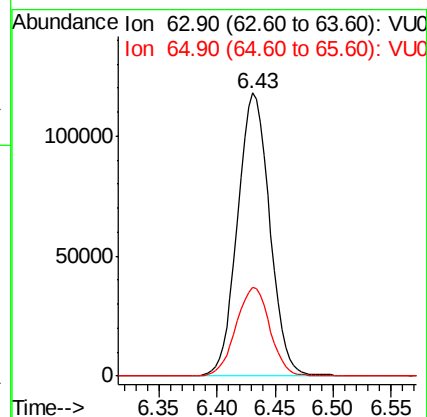
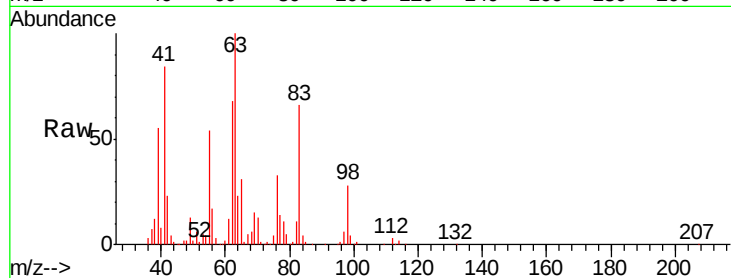
65 31.2 25.1 37.7

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#46

Dibromomethane

Concen: 49.574 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

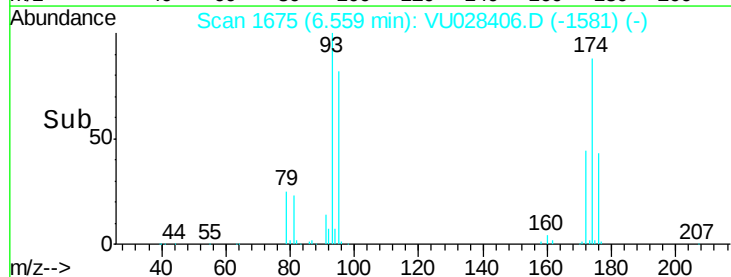
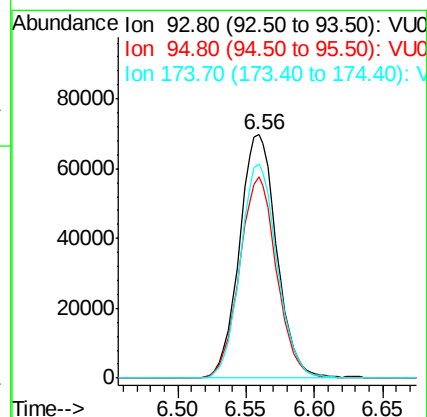
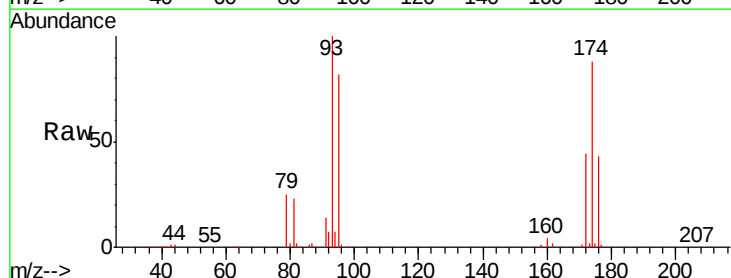
Tgt Ion: 93 Resp: 132011

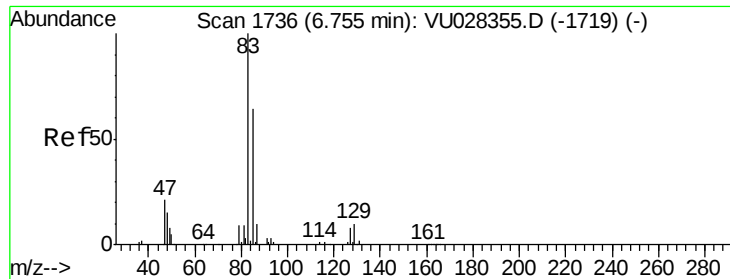
Ion Ratio Lower Upper

93 100

95 82.5 65.1 97.7

174 87.0 69.9 104.9





#47

Bromodichloromethane

Concen: 48.203 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

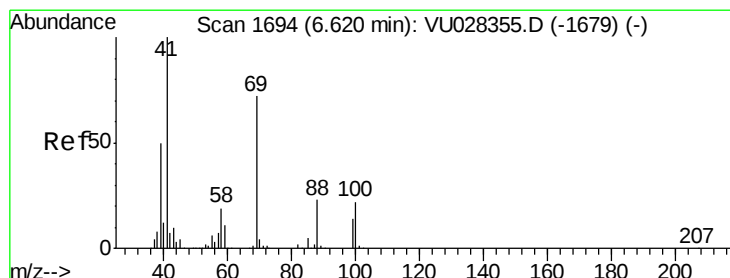
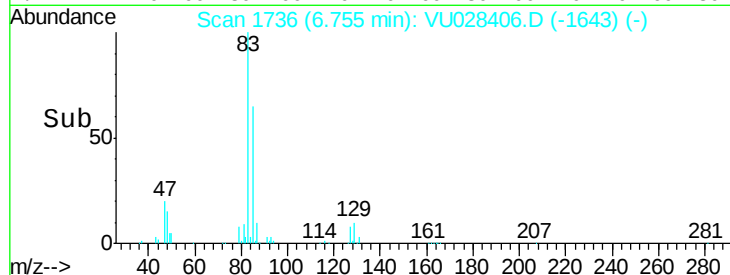
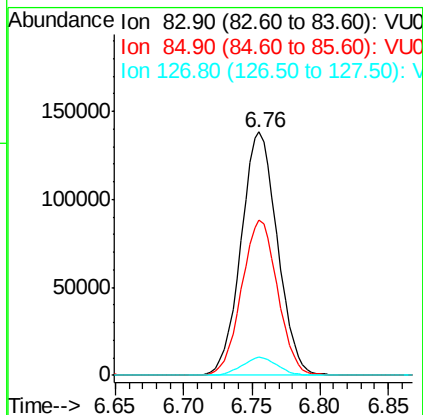
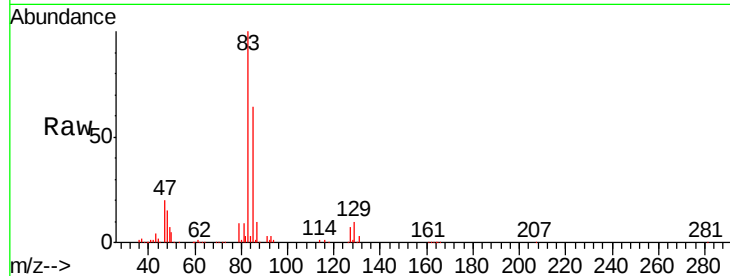
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	255312
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.9	76.3
127	7.4	6.2	9.4

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#48

Methyl methacrylate

Concen: 49.462 ug/l

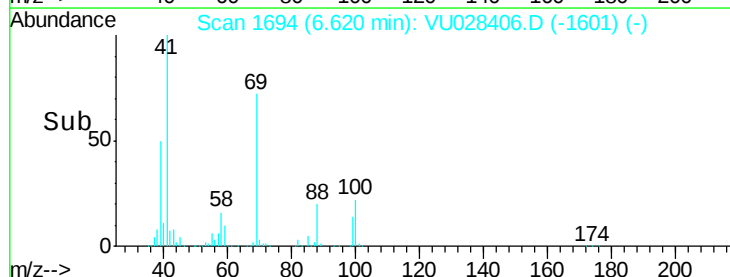
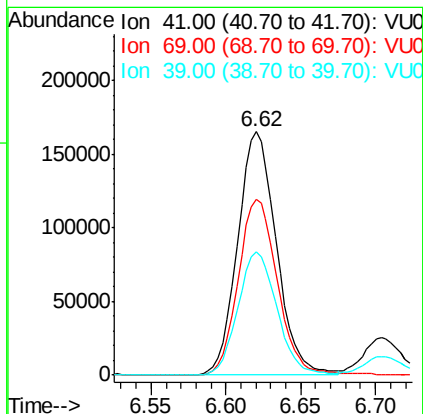
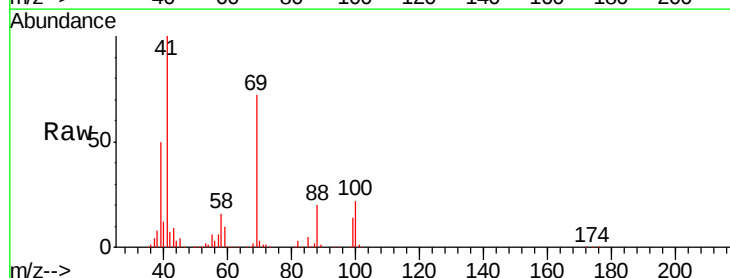
RT: 6.62 min Scan# 1694

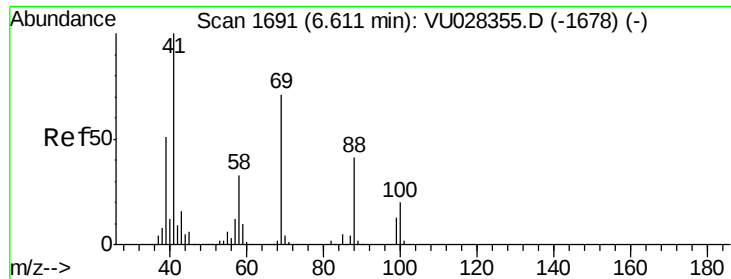
Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Tgt Ion:	41	Resp:	297403
Ion	Ratio	Lower	Upper
41	100		
69	73.8	59.0	88.4
39	50.9	40.5	60.7





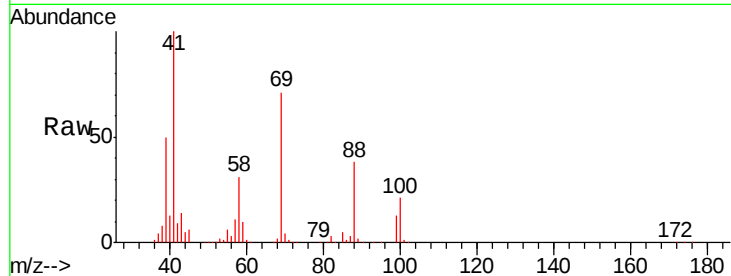
#49
1,4-Dioxane
Concen: 905.829 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

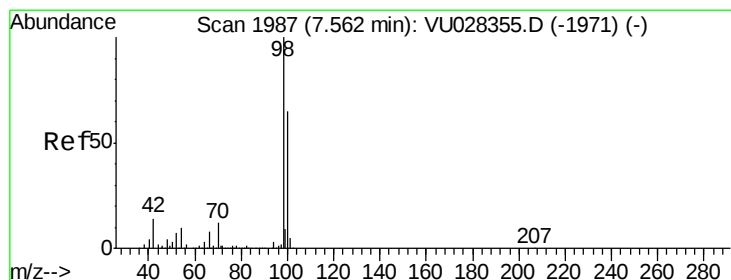
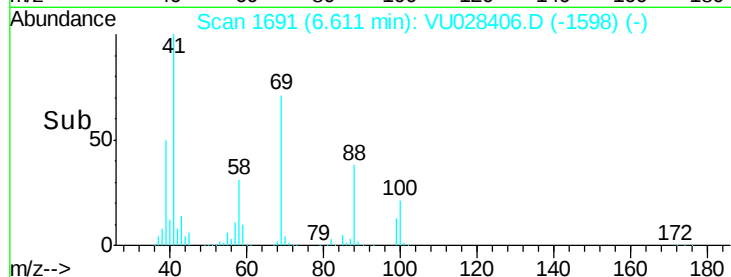
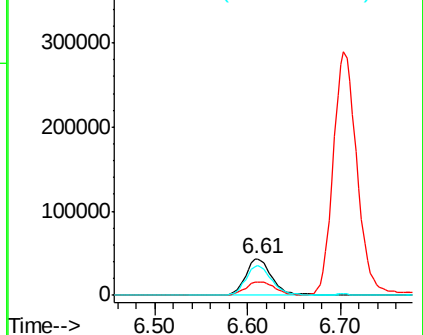
Tgt Ion: 88 Resp: 87009
Ion Ratio Lower Upper
88 100
43 38.0 32.6 48.8
58 79.3 68.7 103.1

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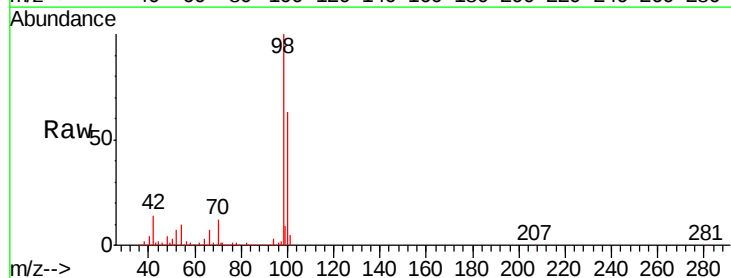


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

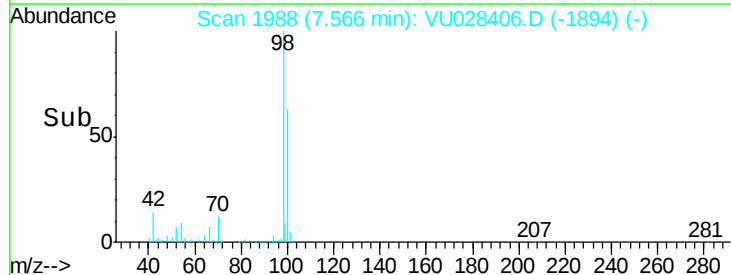
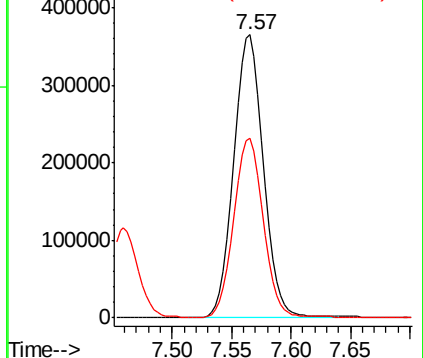


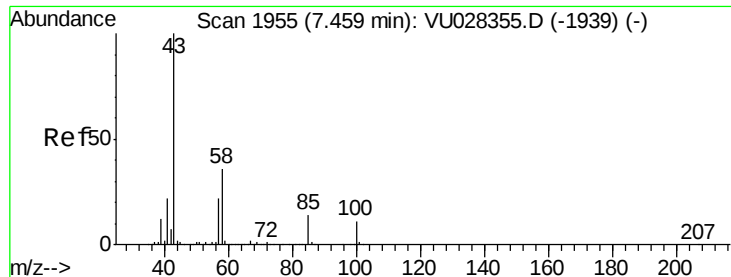
#50
Toluene-d8
Concen: 48.747 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 98 Resp: 633221
Ion Ratio Lower Upper
98 100
100 62.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





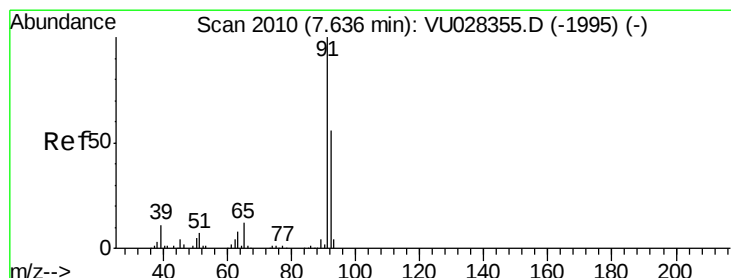
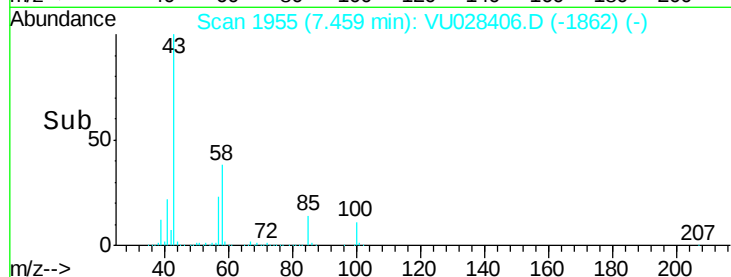
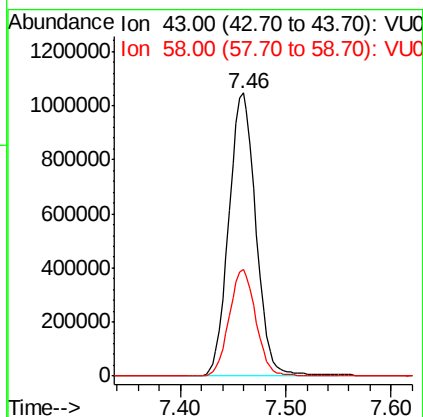
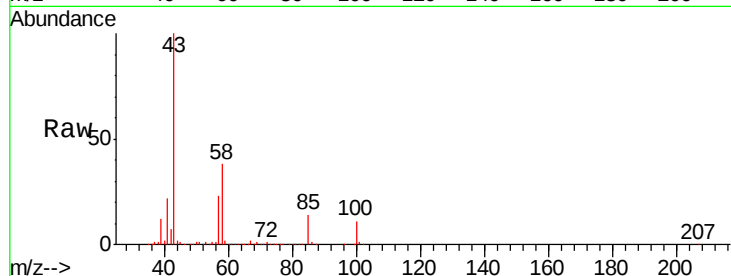
#51
 4-Methyl-2-Pentanone
 Concen: 251.743 ug/l
 RT: 7.46 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1855923
 Ion Ratio Lower Upper
 43 100
 58 37.4 28.8 43.2

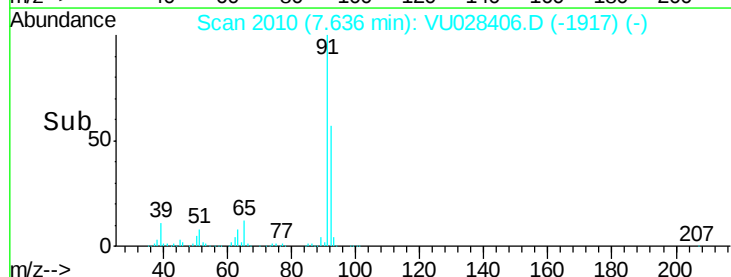
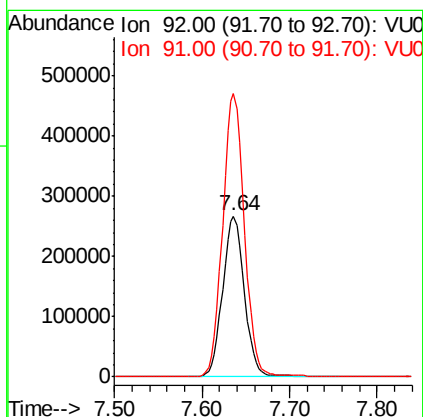
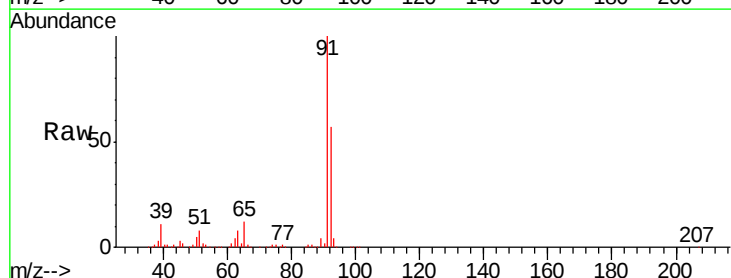
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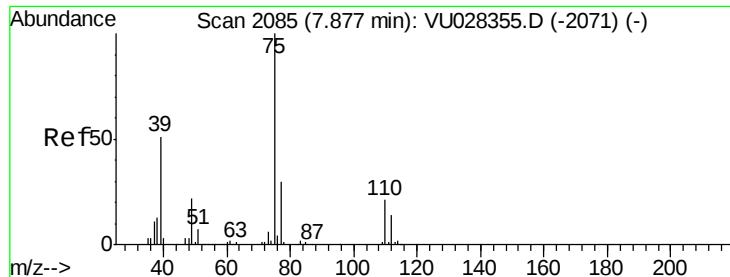
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#52
 Toluene
 Concen: 50.573 ug/l
 RT: 7.64 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion: 92 Resp: 461040
 Ion Ratio Lower Upper
 92 100
 91 176.3 141.8 212.6





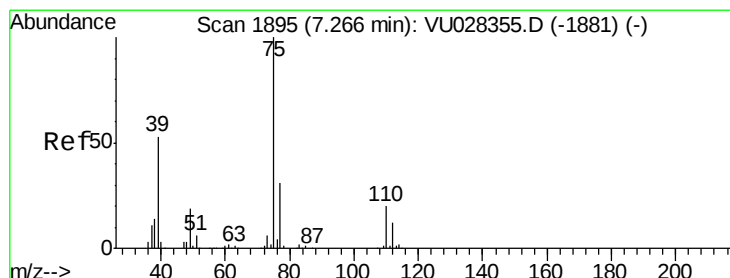
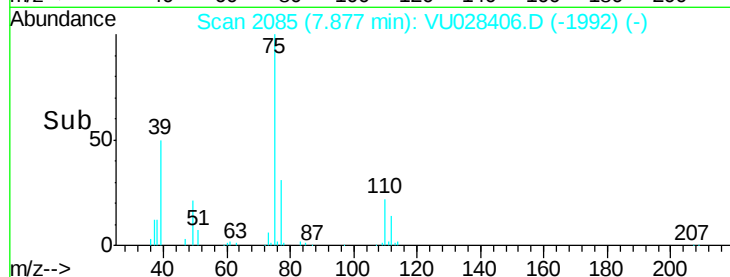
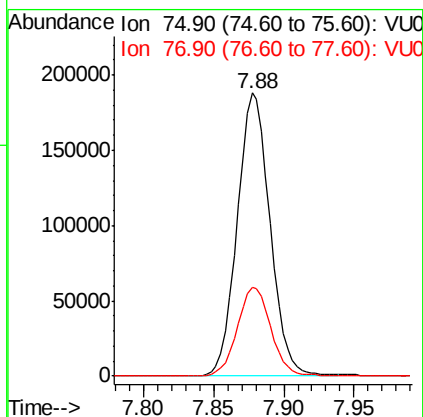
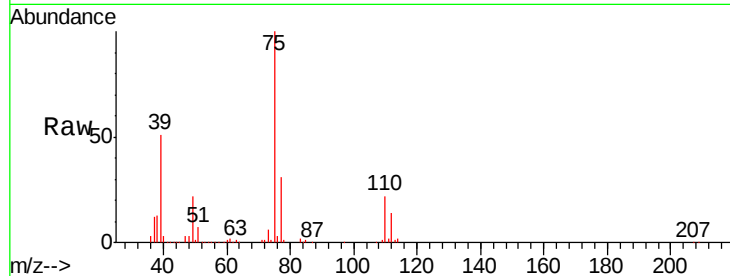
#53
t-1,3-Dichloropropene
Concen: 48.467 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 306969
Ion Ratio Lower Upper
75 100
77 31.2 24.1 36.1

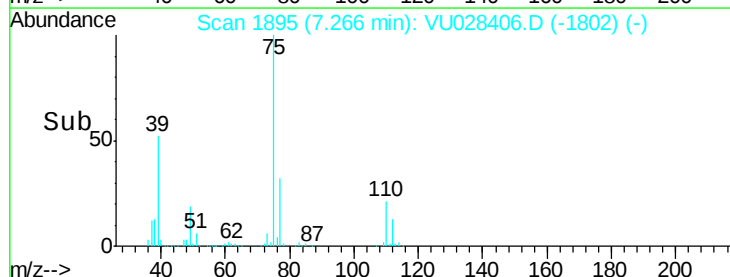
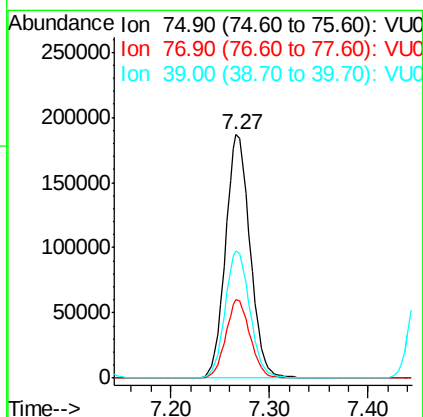
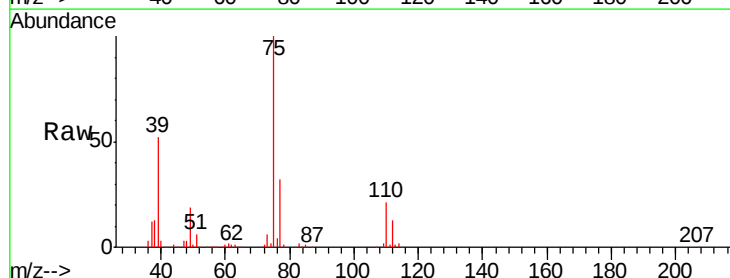
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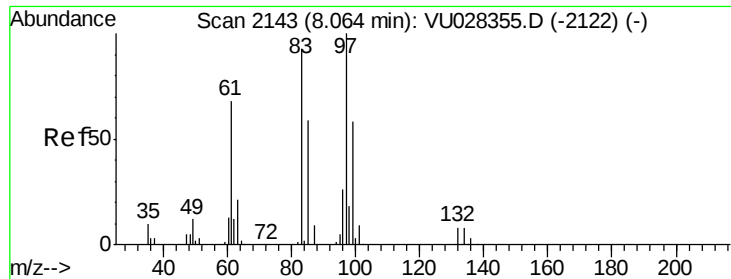
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#54
cis-1,3-Dichloropropene
Concen: 48.112 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 75 Resp: 326449
Ion Ratio Lower Upper
75 100
77 32.3 24.9 37.3
39 52.3 42.6 64.0





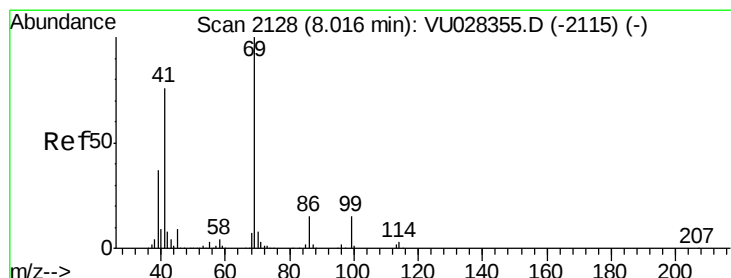
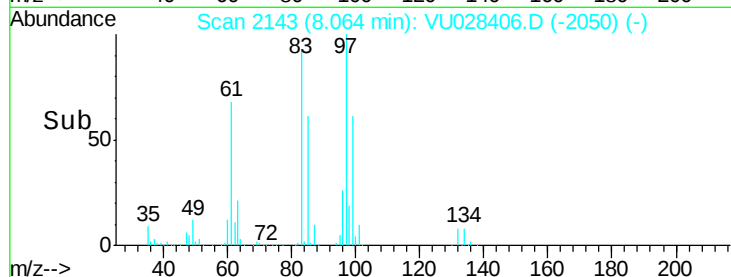
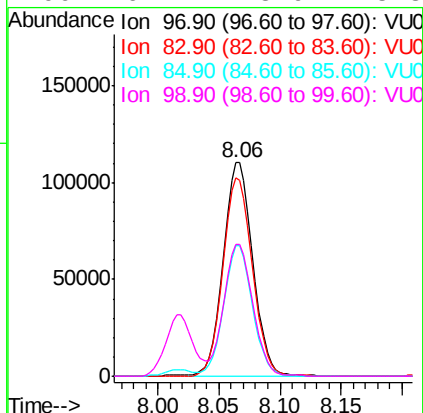
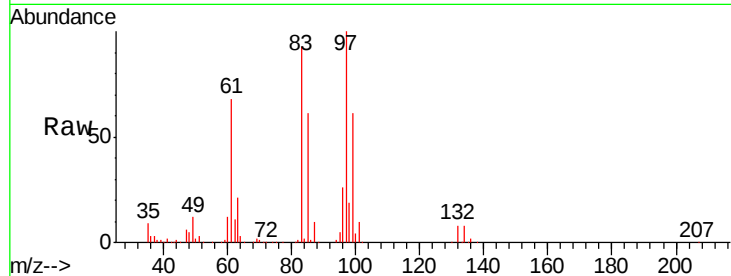
#55
 1,1,2-Trichloroethane
 Concen: 49.450 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.8	74.3	111.5	
85	61.0	47.2	70.8	
99	61.4	48.9	73.3	

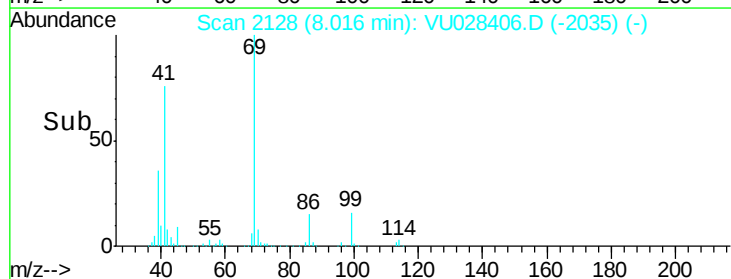
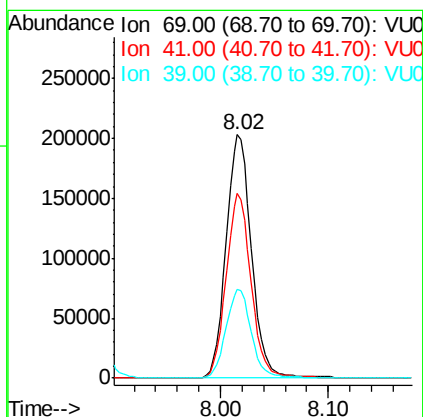
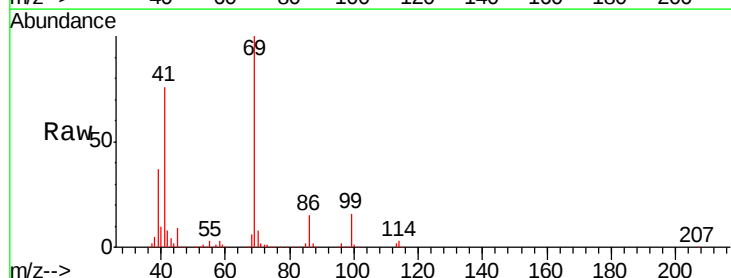
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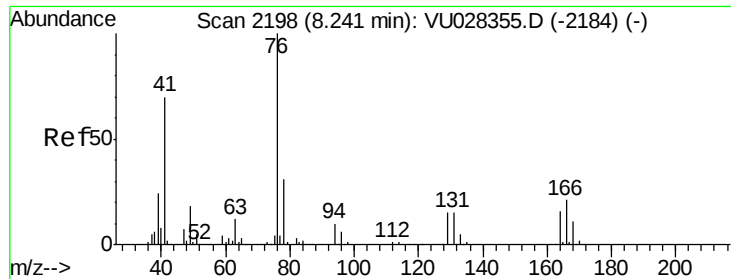
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#56
 Ethyl methacrylate
 Concen: 51.583 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	73.9	60.0	90.0	
39	36.2	29.0	43.6	





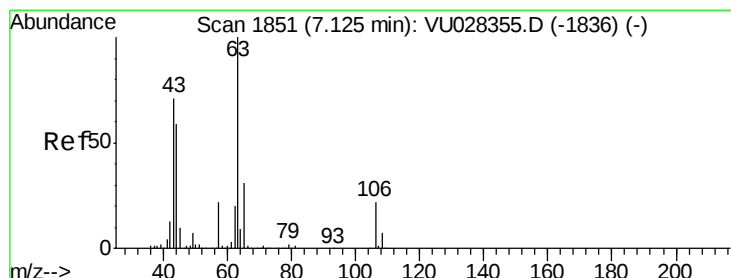
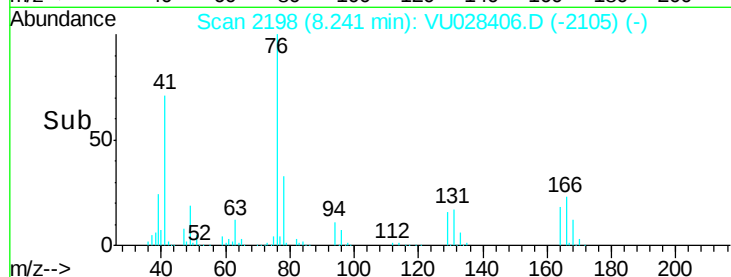
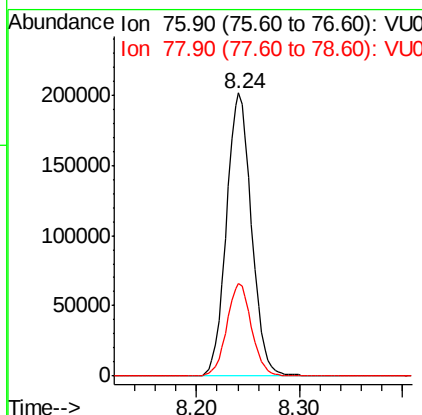
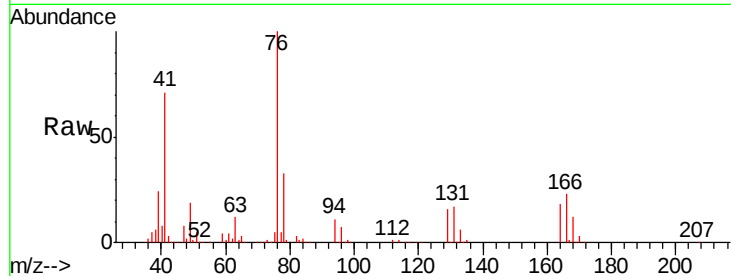
#57
 1,3-Dichloropropane
 Concen: 48.985 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 340822
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0

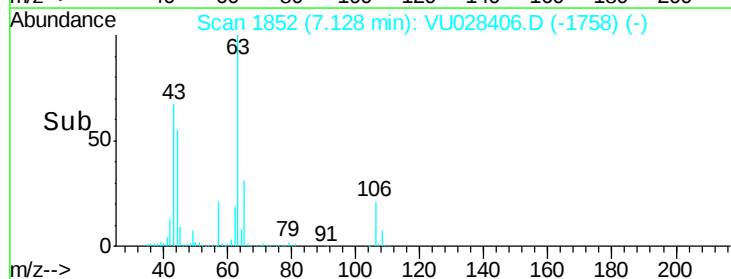
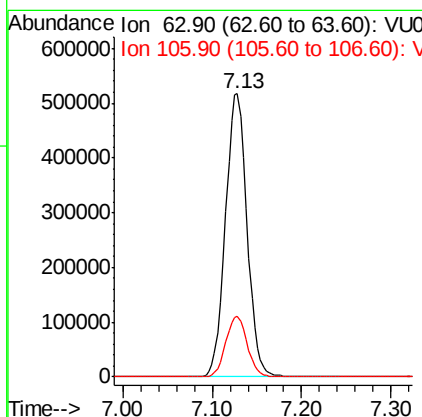
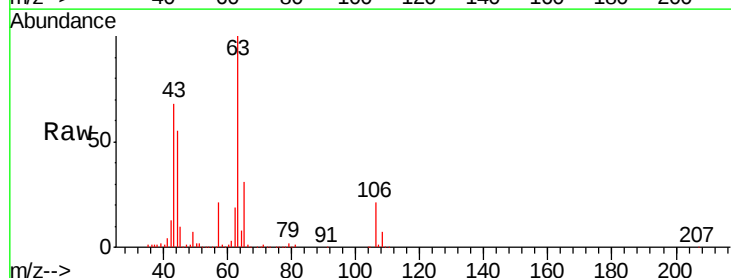
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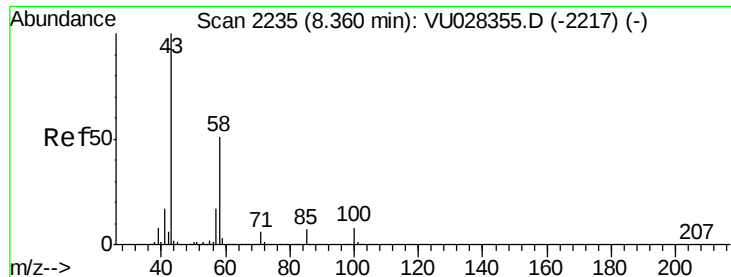
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#58
 2-Chloroethyl Vinyl ether
 Concen: 250.039 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion: 63 Resp: 866471
 Ion Ratio Lower Upper
 63 100
 106 21.4 17.3 25.9





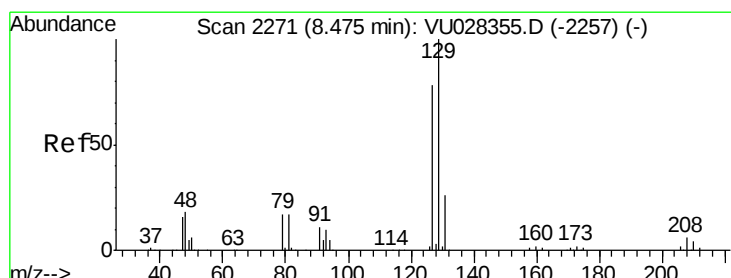
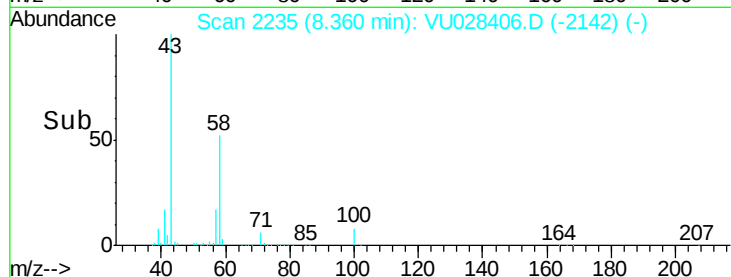
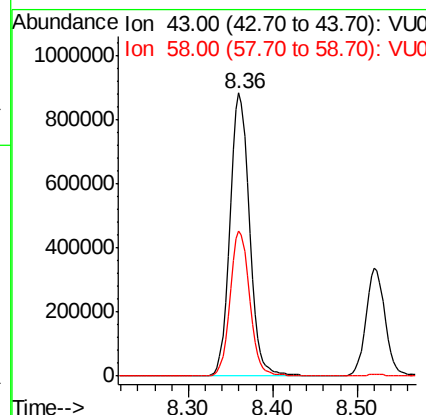
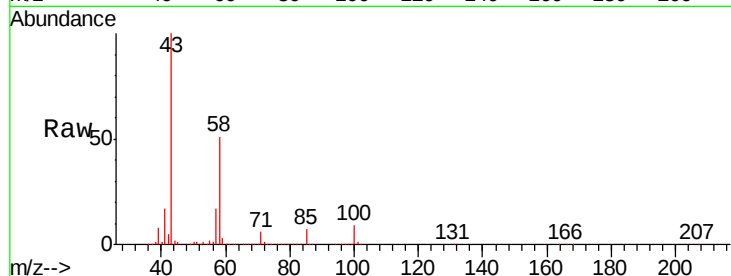
#59
2-Hexanone
Concen: 249.238 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1423295
Ion Ratio Lower Upper
43 100
58 51.4 25.5 76.5

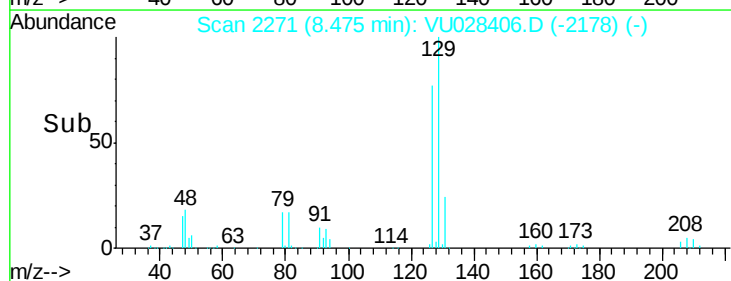
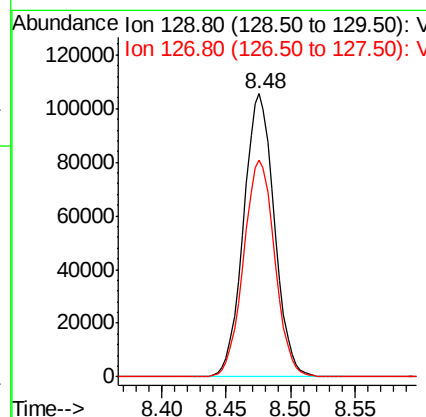
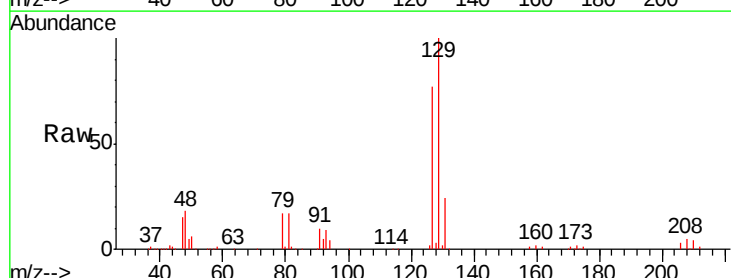
Manual Integrations
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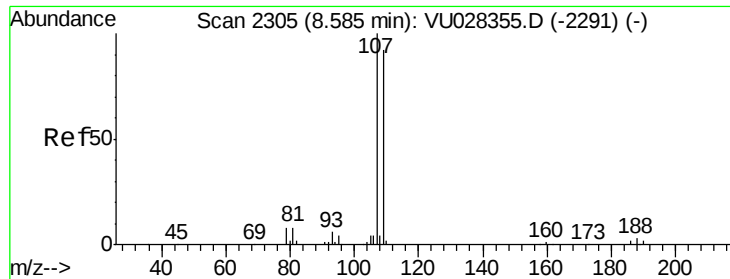
MMDadoda
11/30/2018 11:26:10 AM



#60
Dibromochloromethane
Concen: 48.599 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 129 Resp: 175365
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7





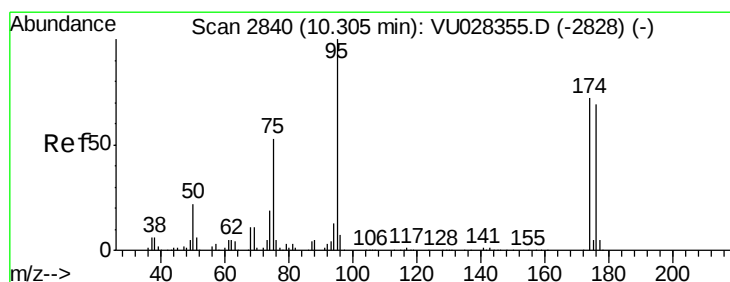
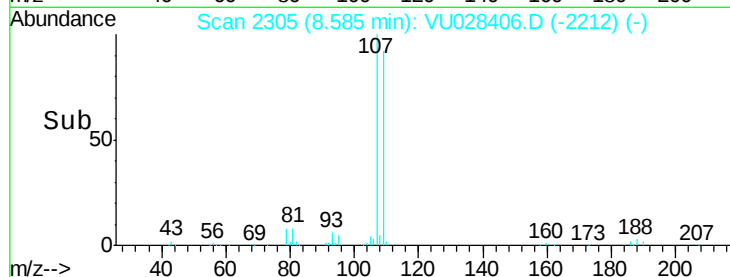
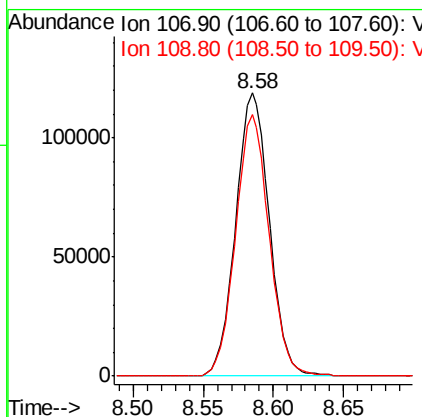
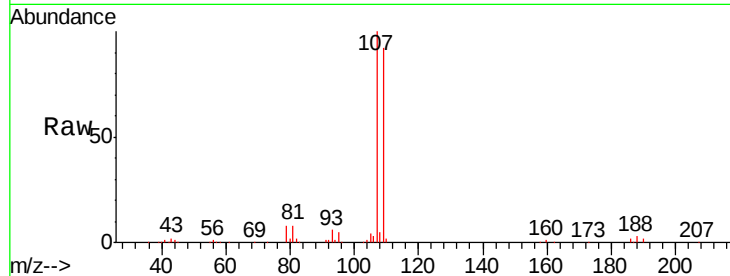
#61
 1,2-Dibromoethane
 Concen: 51.269 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 199223
 Ion Ratio Lower Upper
 107 100
 109 92.3 73.2 109.8

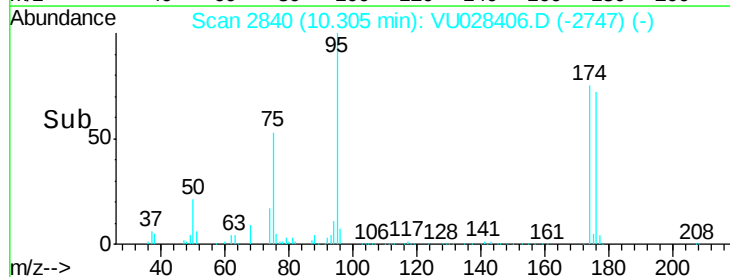
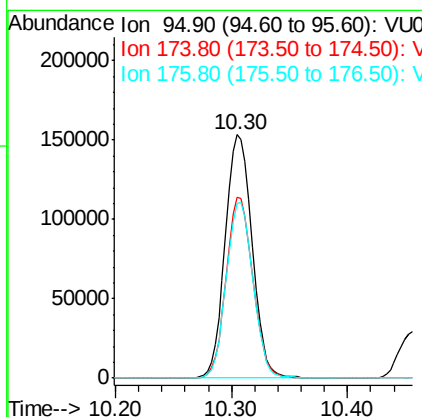
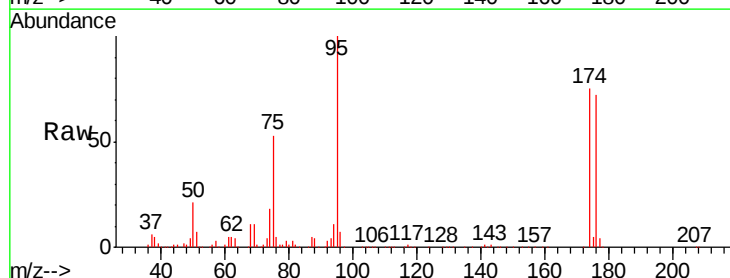
Manual Integrations
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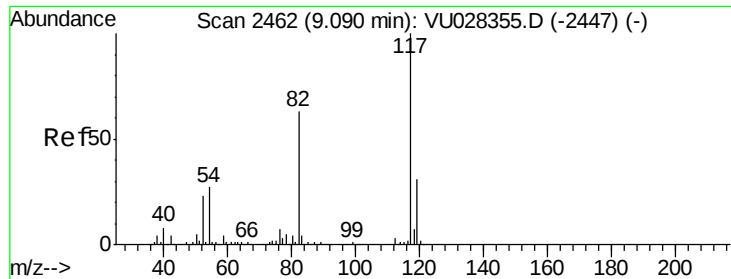
MMDadoda
 11/30/2018 11:26:10 AM



#62
 4-Bromofluorobenzene
 Concen: 52.442 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion: 95 Resp: 245529
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 145.4
 176 71.7 0.0 140.8





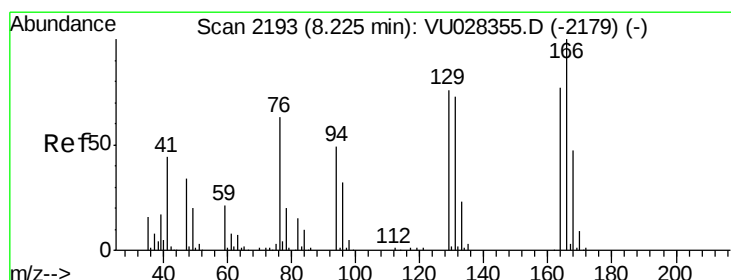
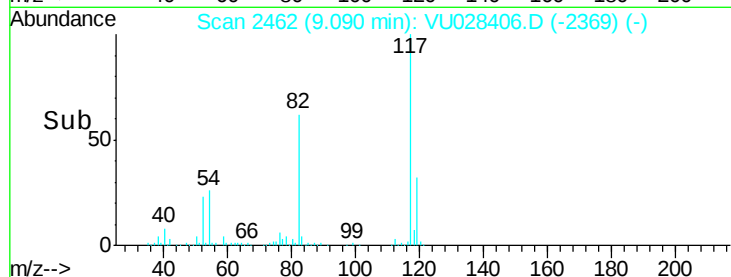
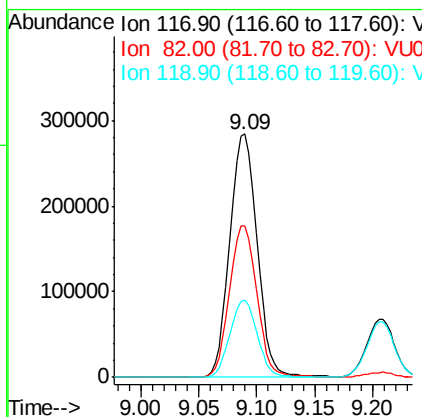
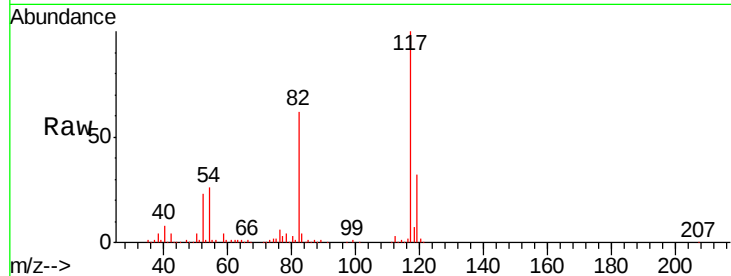
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	464917		
82	62.2	50.3	75.5	
119	31.8	24.8	37.2	

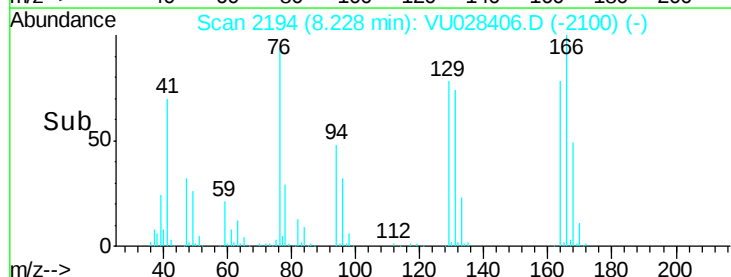
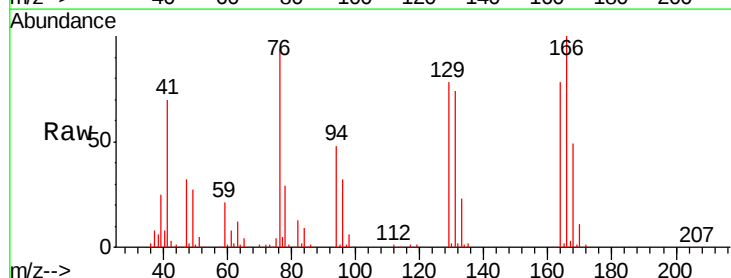
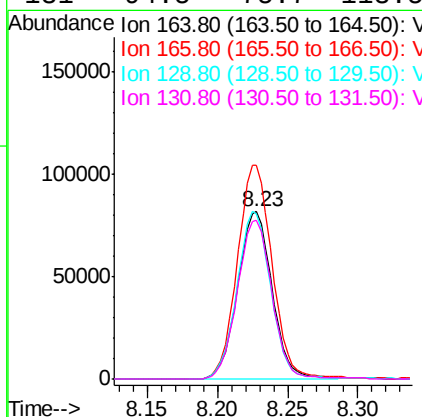
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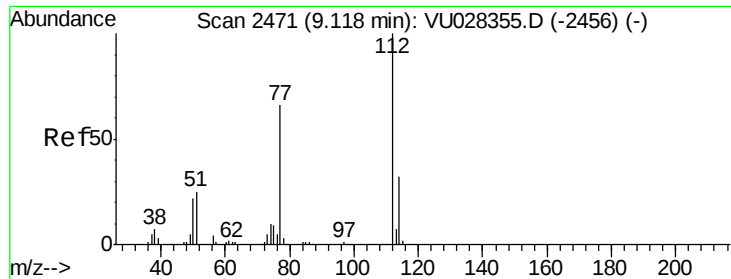
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11/30/2018 11:26:10 AM



#64
Tetrachloroethene
Concen: 45.757 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	139935		
166	127.6	104.0	156.0	
129	99.0	79.2	118.8	
131	94.5	75.7	113.5	





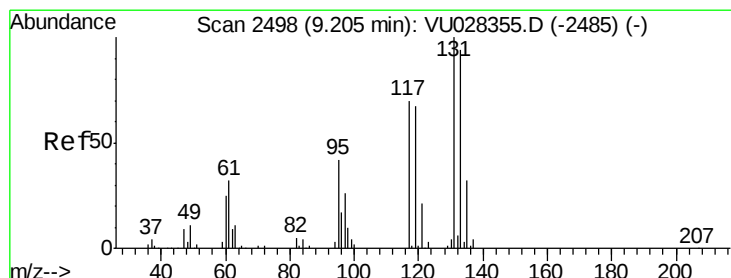
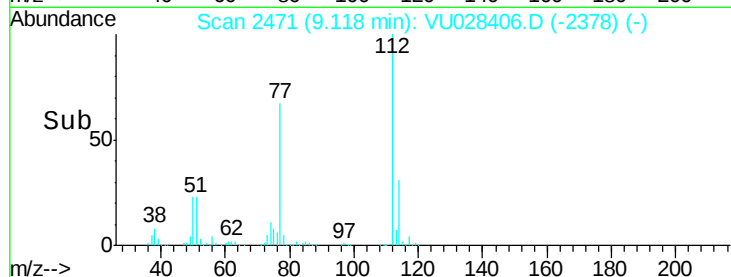
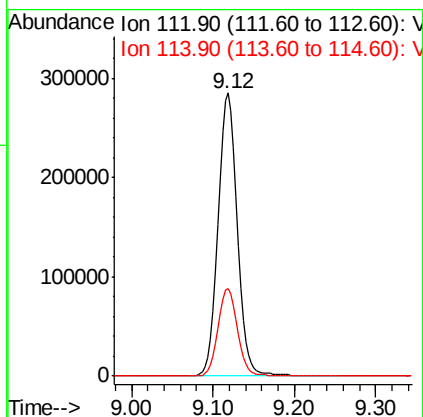
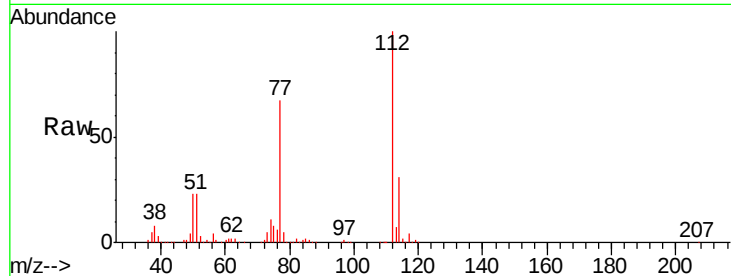
#65
Chlorobenzene
Concen: 49.536 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 478205
Ion Ratio Lower Upper
112 100
114 31.1 25.7 38.5

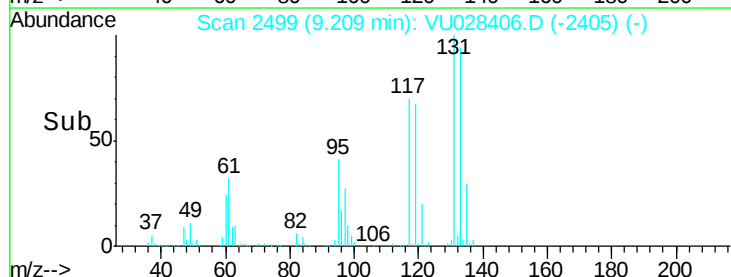
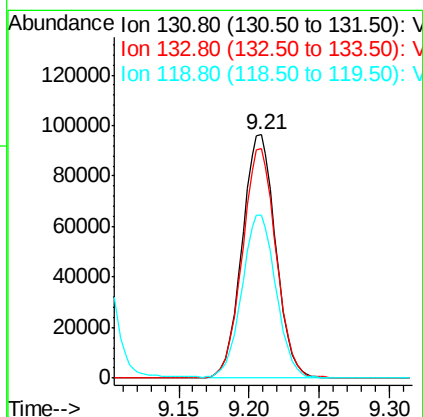
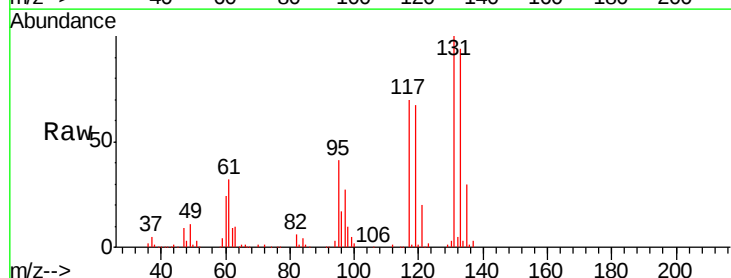
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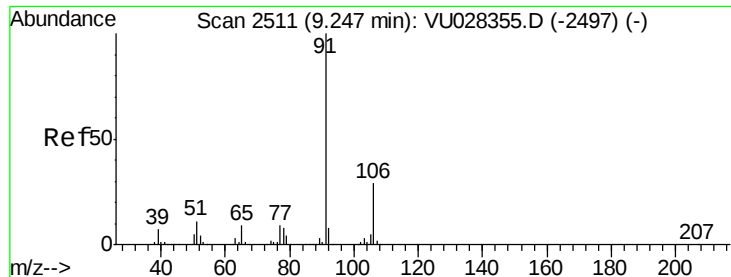
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.590 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion:131 Resp: 160786
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.8
119 67.7 34.1 102.2





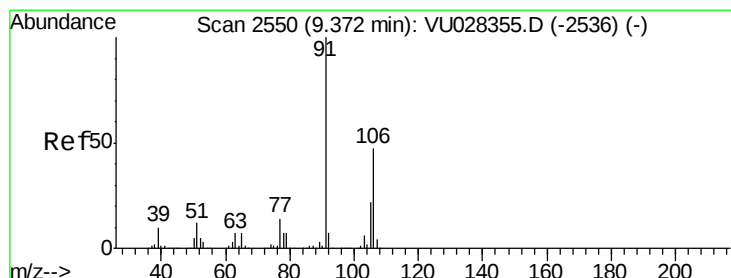
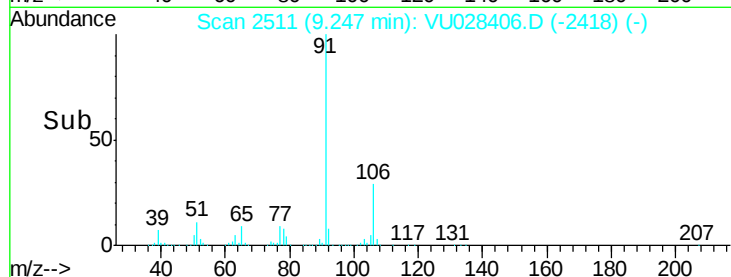
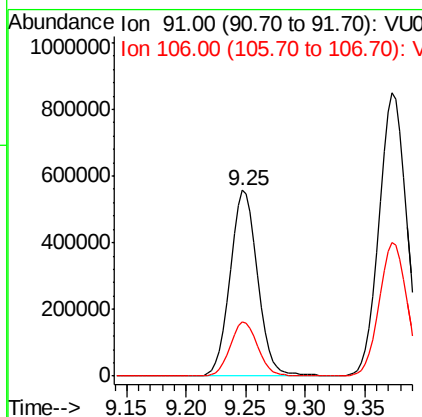
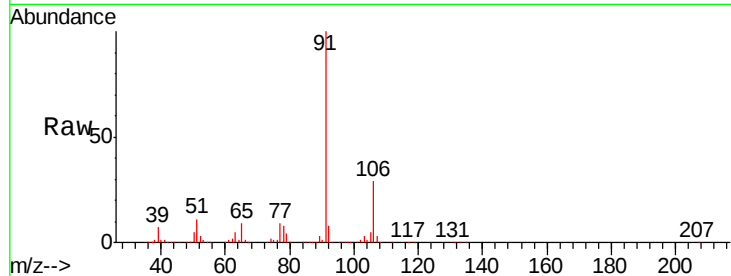
#67
Ethyl Benzene
Concen: 49.264 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 895715
Ion Ratio Lower Upper
91 100
106 29.2 23.3 34.9

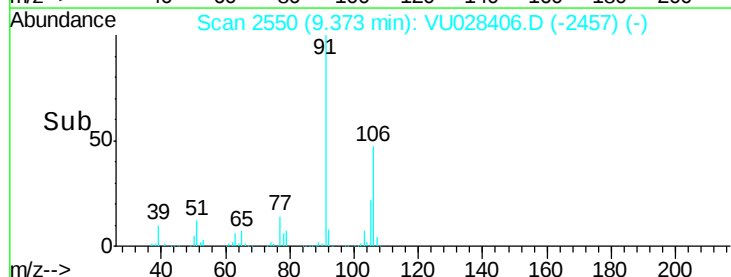
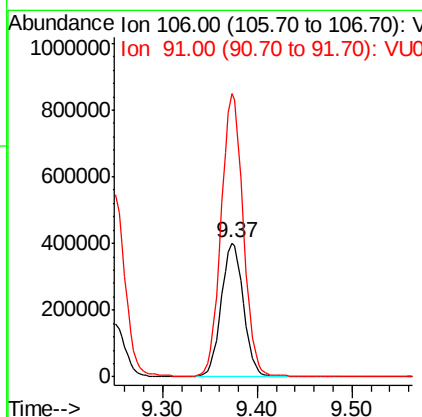
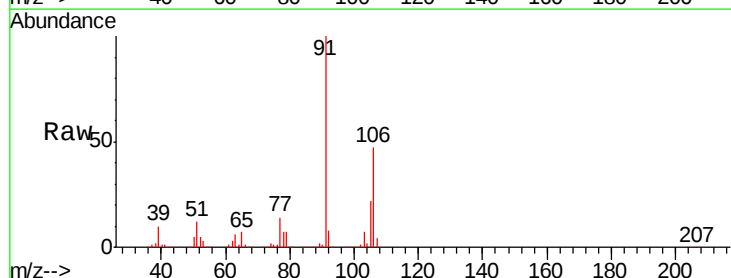
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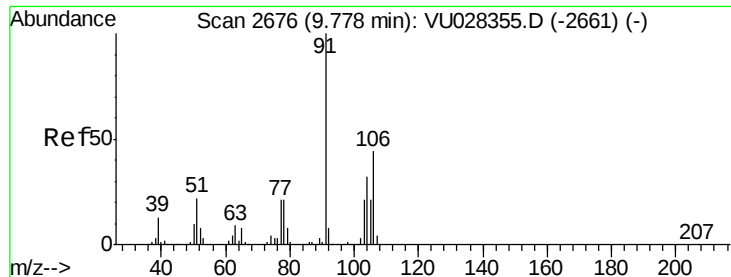
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#68
m/p-Xylenes
Concen: 100.277 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion: 106 Resp: 656245
Ion Ratio Lower Upper
106 100
91 210.6 171.0 256.6





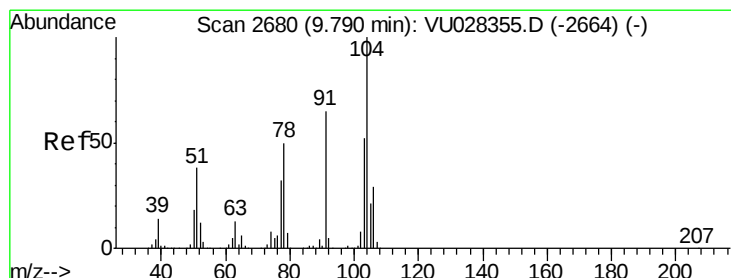
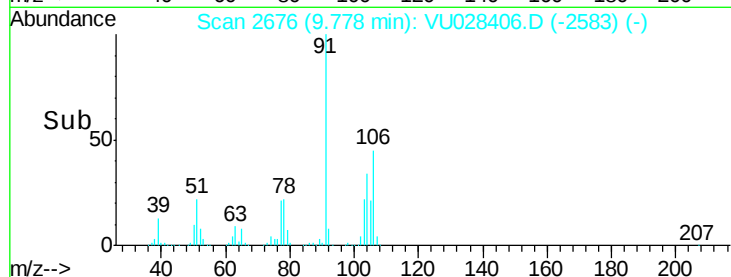
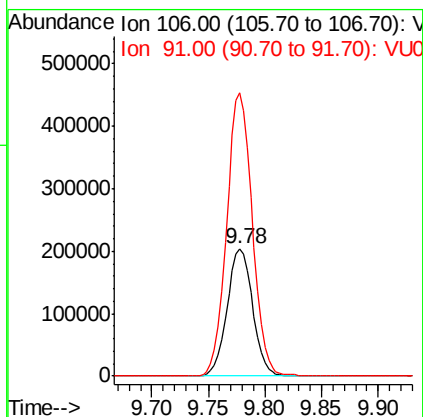
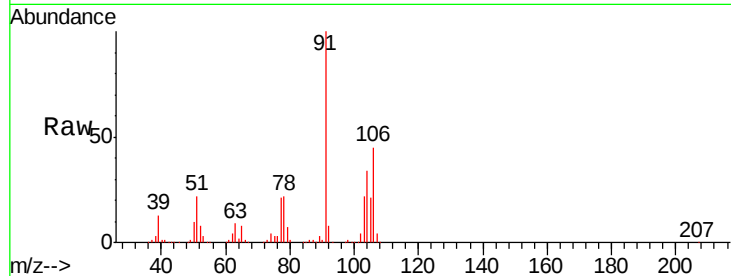
#69
o-Xylene
Concen: 49.299 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 320724
Ion Ratio Lower Upper
106 100
91 222.9 112.7 338.0

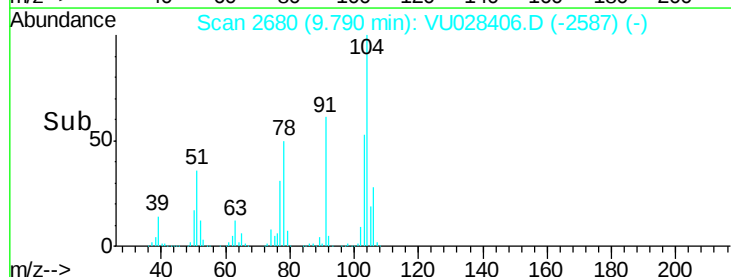
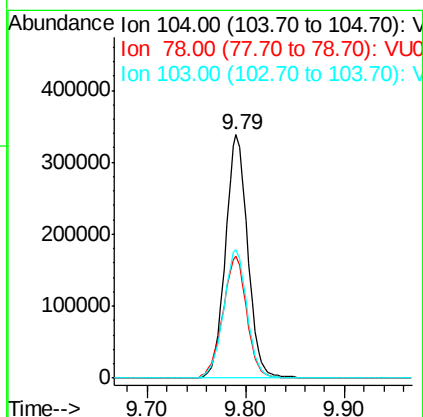
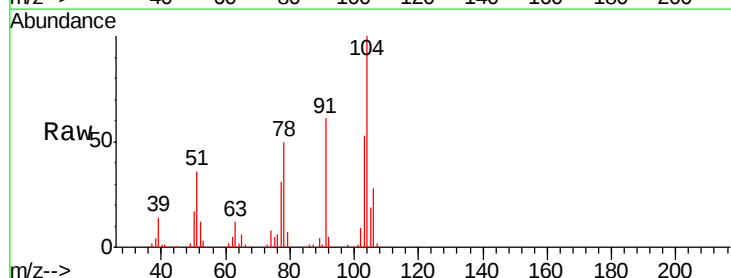
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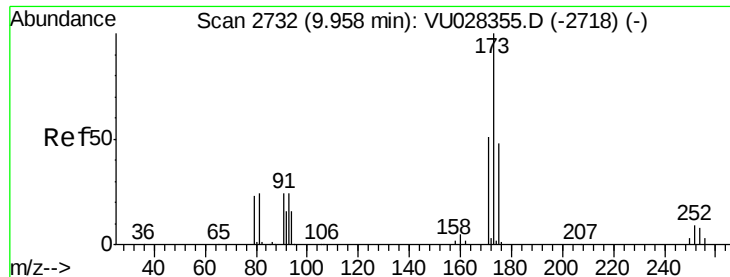
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#70
Styrene
Concen: 51.170 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion:104 Resp: 536889
Ion Ratio Lower Upper
104 100
78 53.8 43.3 64.9
103 55.8 44.8 67.2





#71

Bromoform

Concen: 47.942 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

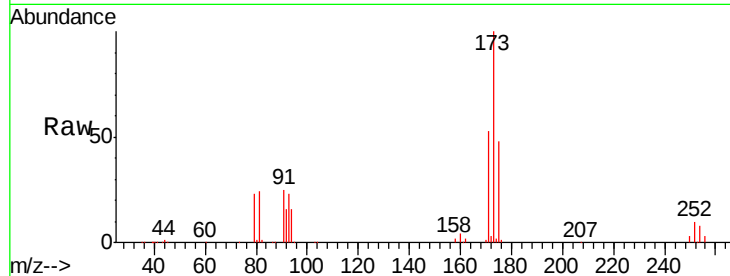
ClientSampleId :

VSTDCCC050EC

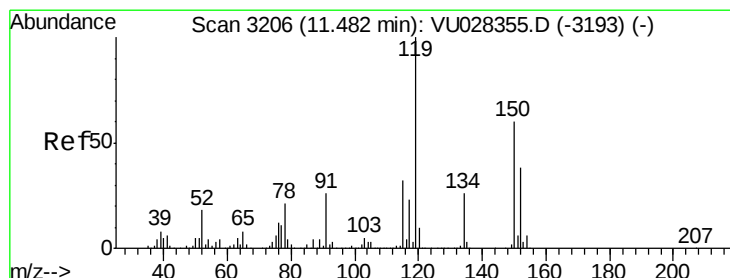
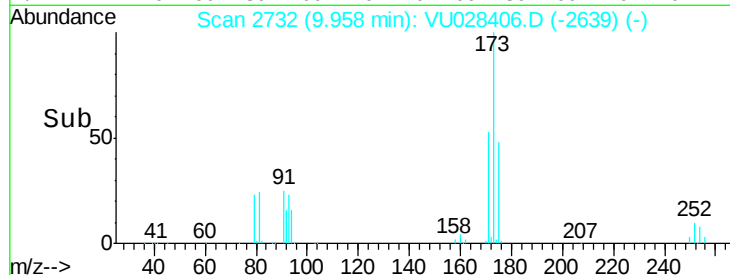
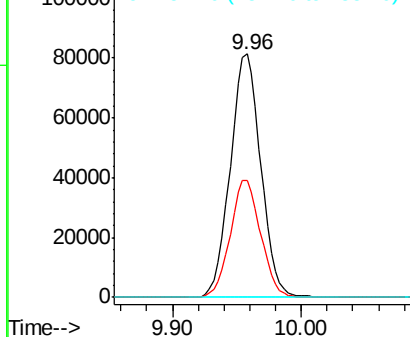
Tgt Ion:	173	Resp:	133343
Ion Ratio	Lower	Upper	
173	100		
175	47.9	24.1	72.4
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

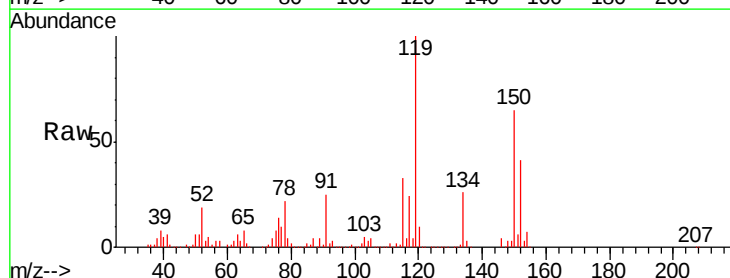
RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

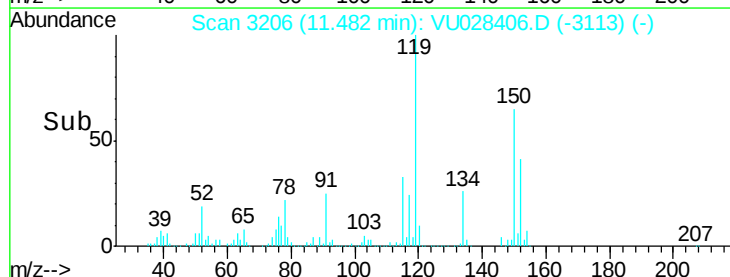
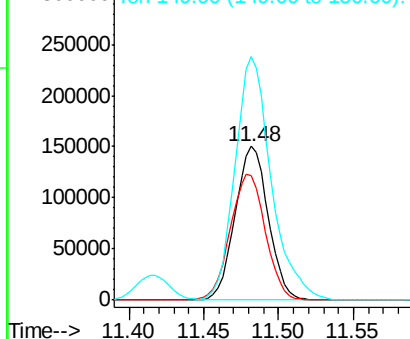
Lab File: VU028406.D

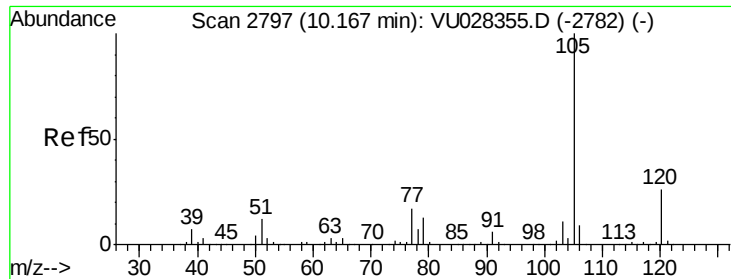
Acq: 29 Nov 2018 20:02

Tgt Ion:	152	Resp:	232190
Ion Ratio	Lower	Upper	
152	100		
115	86.4	45.0	134.8
150	172.7	0.0	349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.183 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 852059

Ion Ratio Lower Upper

105 100

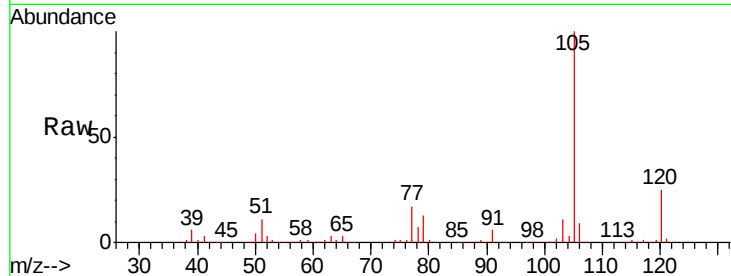
120 25.3 12.8 38.3

Manual Integrations

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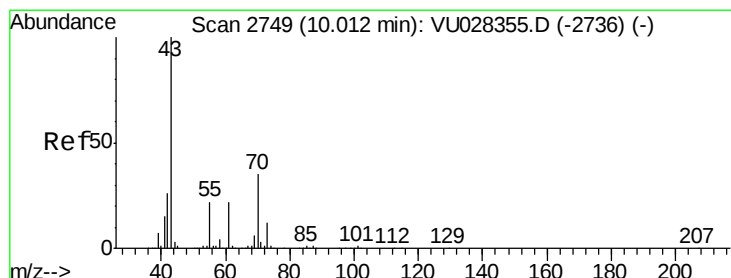
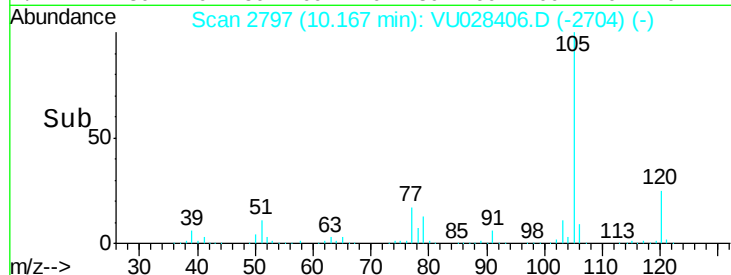
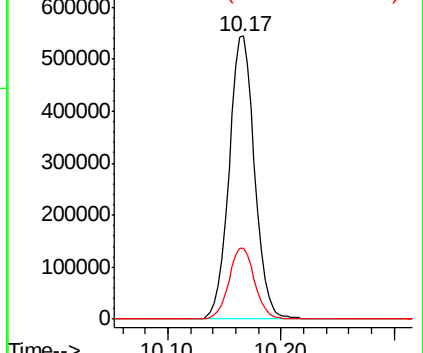
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.443 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Tgt Ion: 43 Resp: 525471

Ion Ratio Lower Upper

43 100

70 36.9 28.4 42.6

55 22.9 18.0 27.0

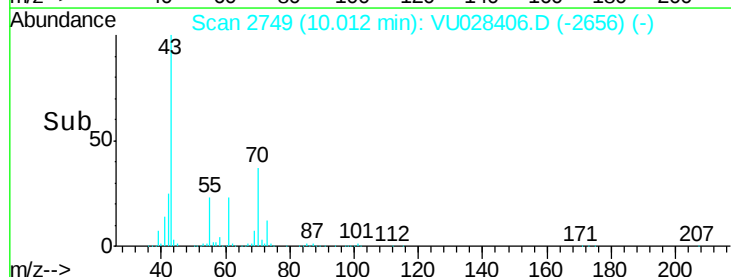
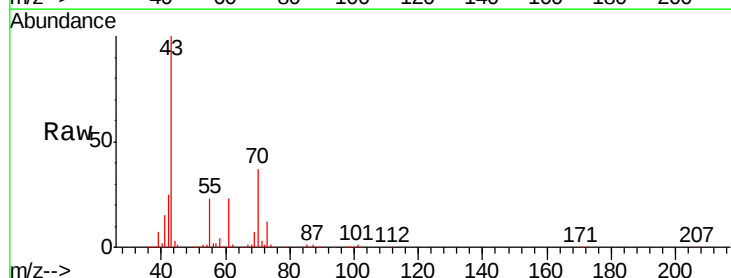
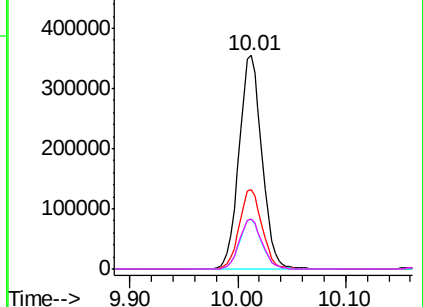
61 23.2 17.6 26.4

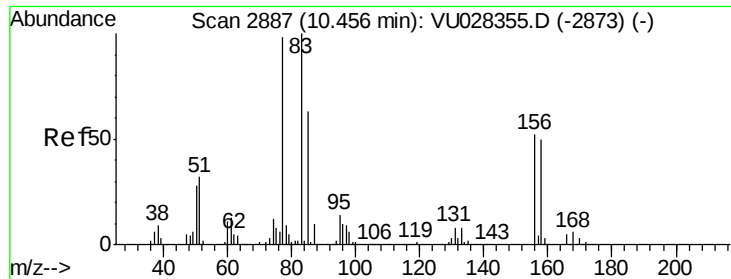
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 45.775 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 339934
Ion Ratio Lower Upper

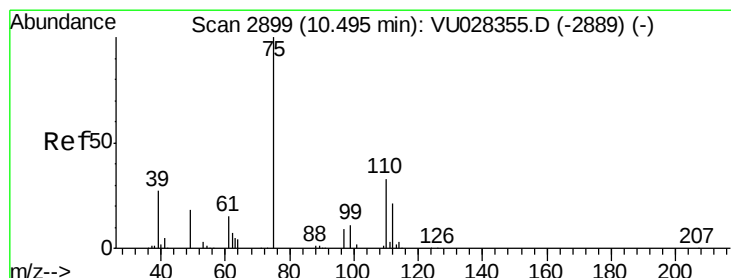
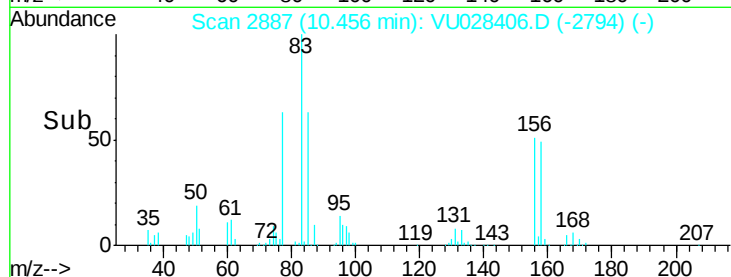
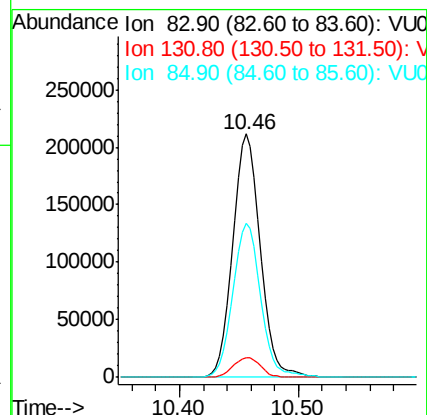
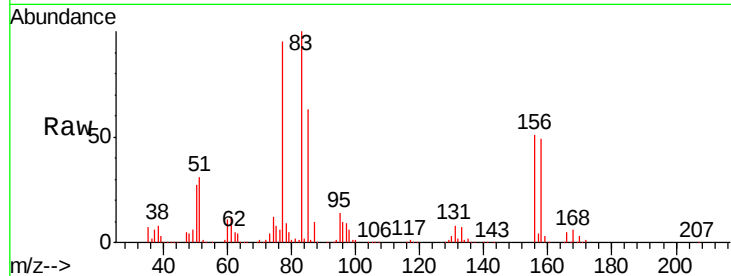
83 100

131 8.0 4.0 12.2

85 63.9 31.8 95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.613 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

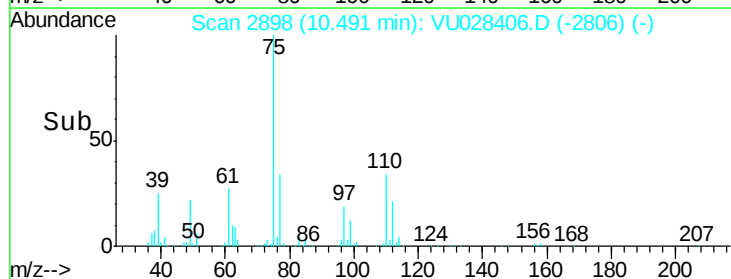
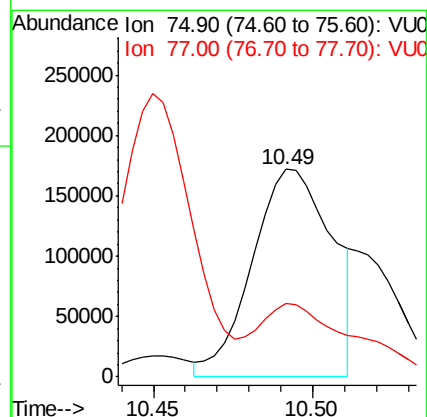
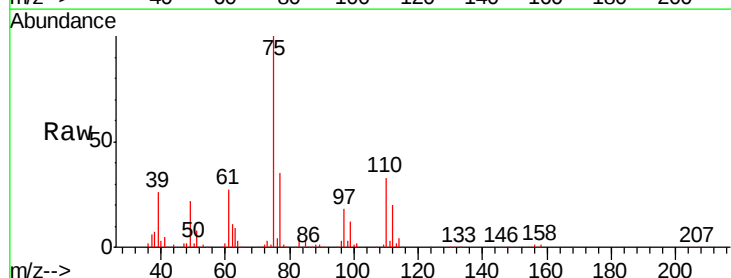
Lab File: VU028406.D

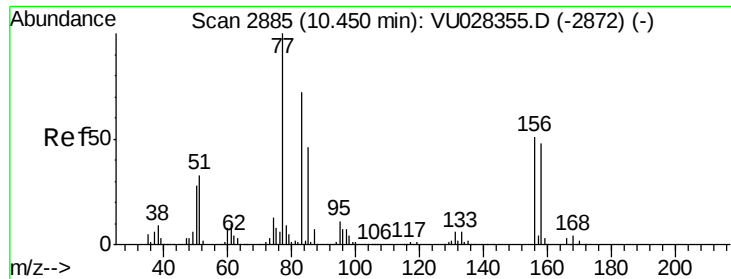
Acq: 29 Nov 2018 20:02

Tgt Ion: 75 Resp: 300132
Ion Ratio Lower Upper

75 100

77 41.7 22.4 67.0





#77

Bromobenzene

Concen: 46.125 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

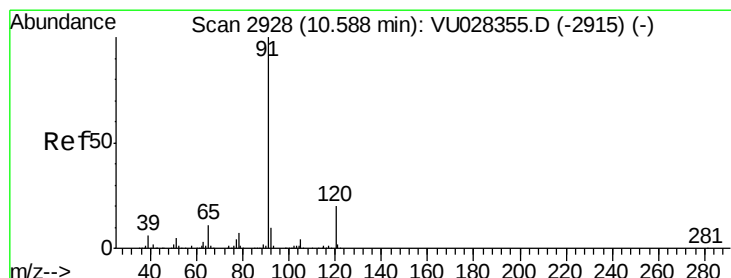
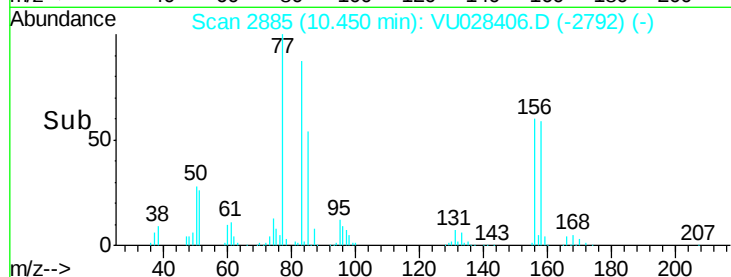
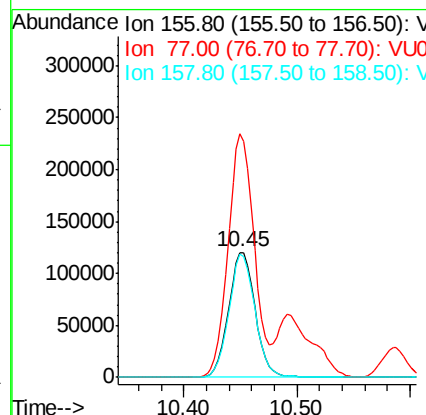
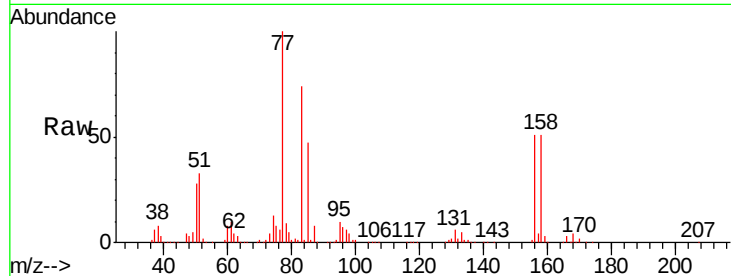
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	196267
Ion Ratio	Lower	Upper	
156	100		
77	190.4	97.0	290.9
158	96.8	46.8	140.4

Manual Integrations
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#78

n-propylbenzene

Concen: 47.975 ug/l

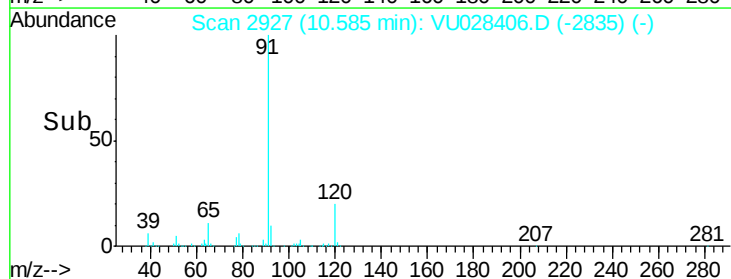
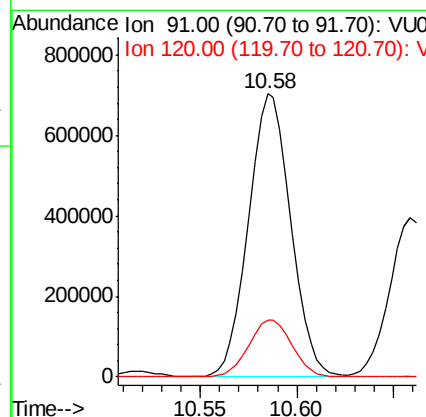
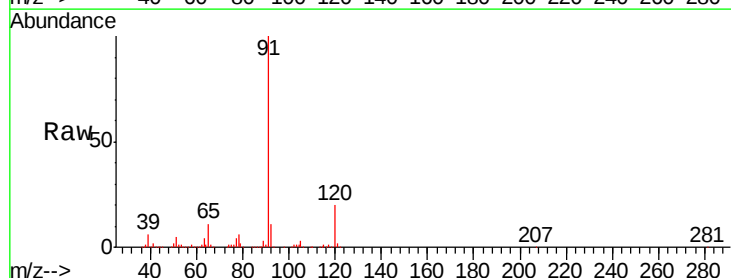
RT: 10.58 min Scan# 2927

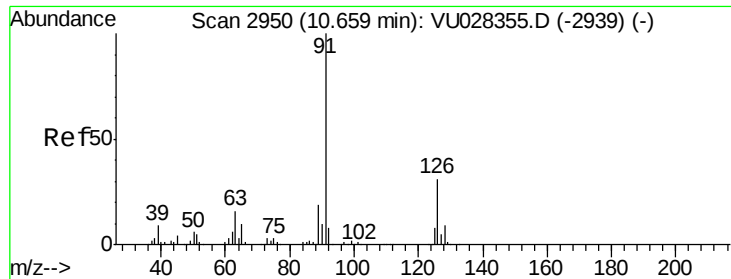
Delta R.T. -0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Tgt Ion:	91	Resp:	1068770
Ion Ratio	Lower	Upper	
91	100		
120	20.6	10.3	30.8





#79

2-Chlorotoluene

Concen: 46.674 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 612955

Ion Ratio Lower Upper

91 100

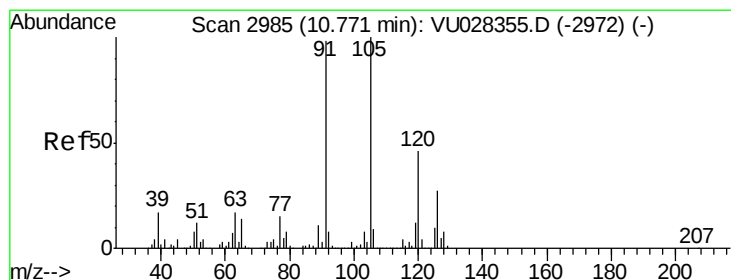
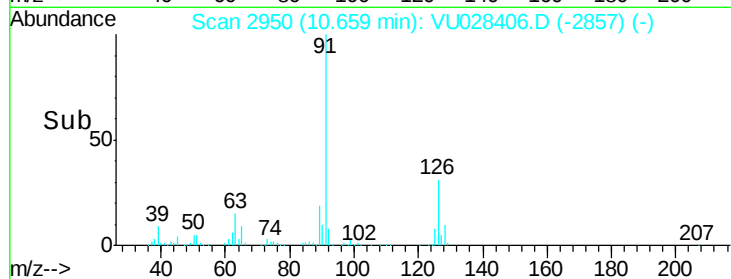
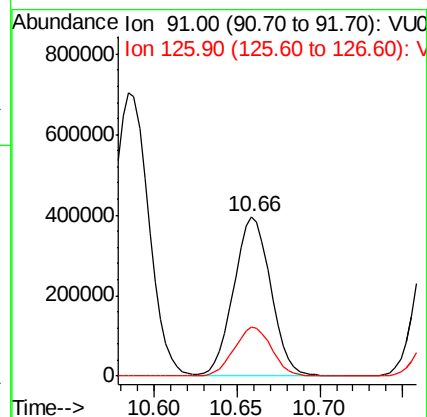
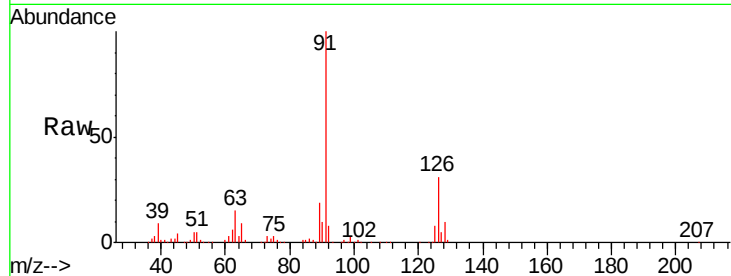
126 31.3 15.4 46.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.080 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028406.D

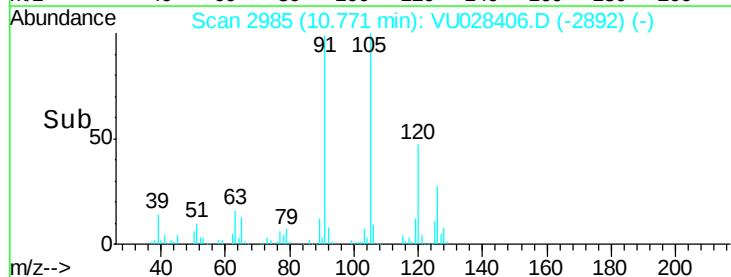
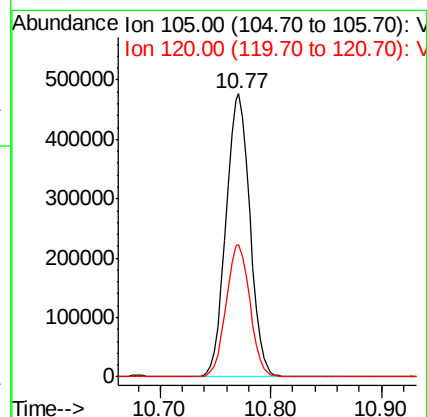
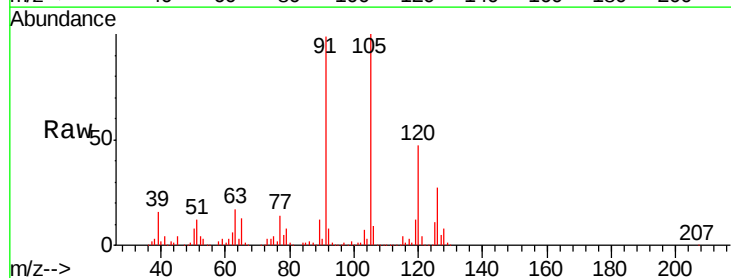
Acq: 29 Nov 2018 20:02

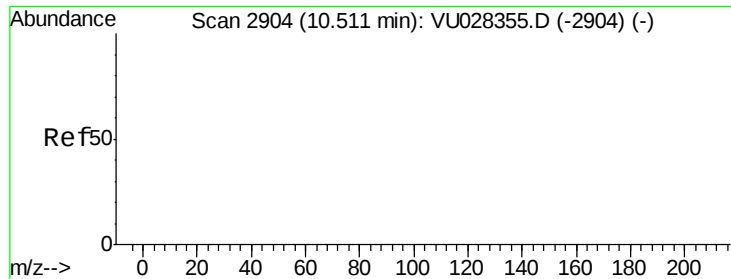
Tgt Ion: 105 Resp: 716468

Ion Ratio Lower Upper

105 100

120 46.7 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 43.763 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

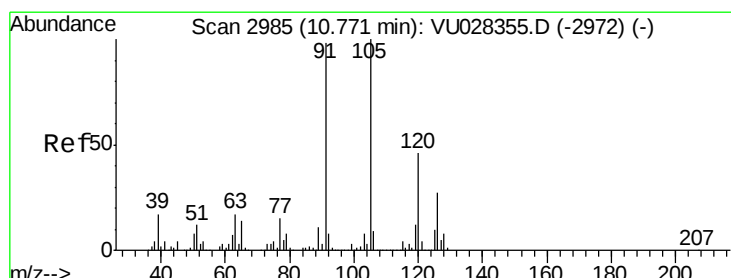
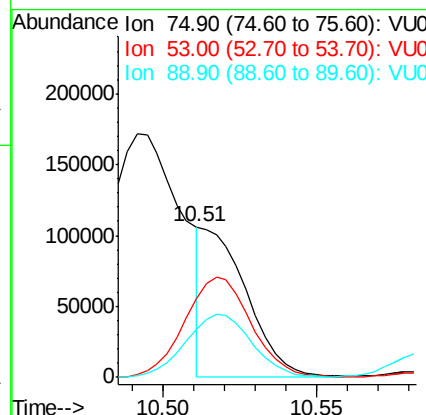
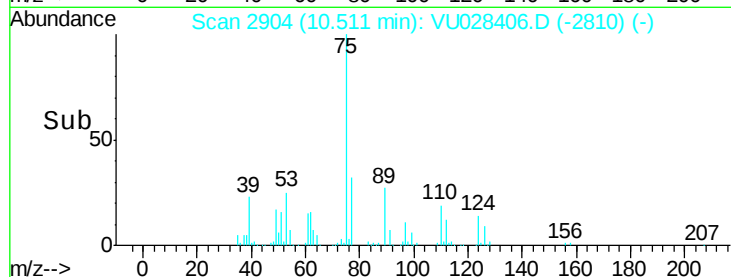
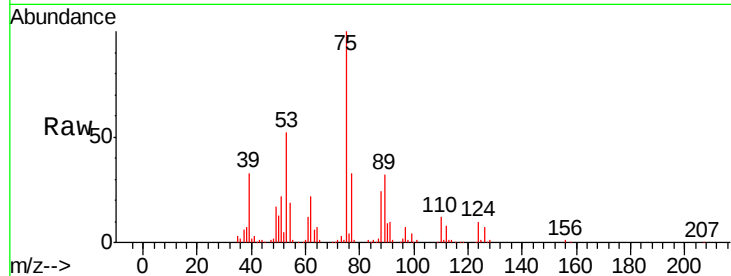
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 106154

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.443 ug/l

RT: 10.77 min Scan# 2985

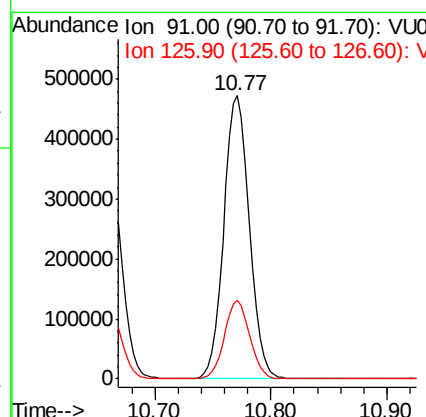
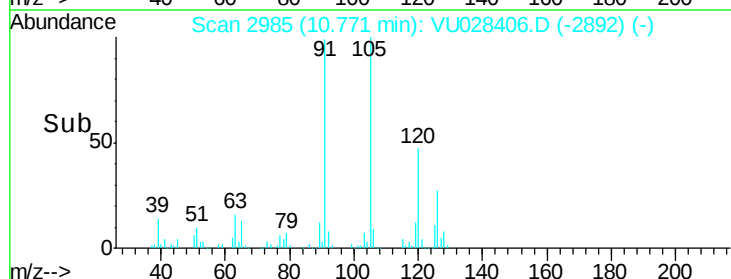
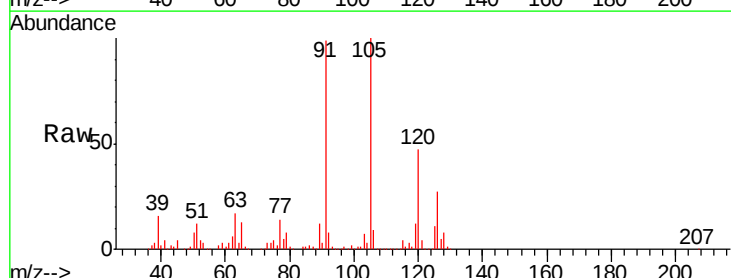
Delta R.T. 0.00 min

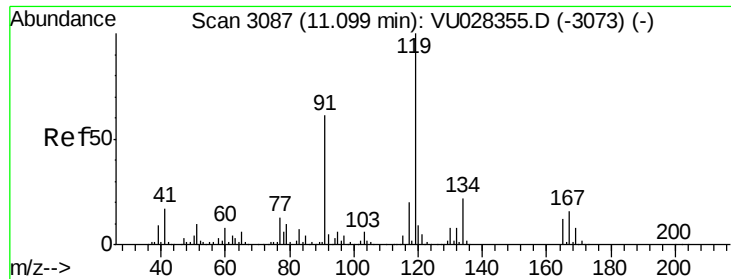
Lab File: VU028406.D

Acq: 29 Nov 2018 20:02

Tgt Ion: 91 Resp: 717853

Ion	Ratio	Lower	Upper
91	100		
126	27.5	13.9	41.6





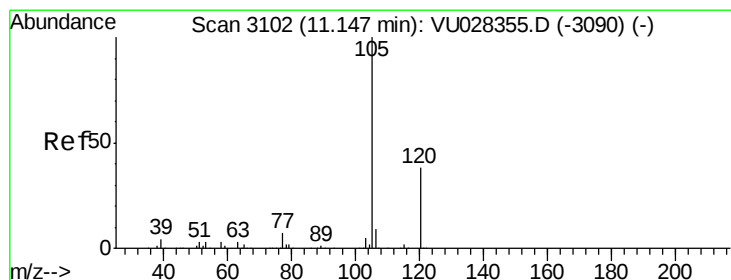
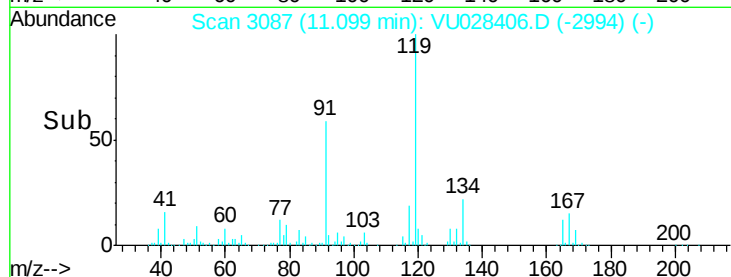
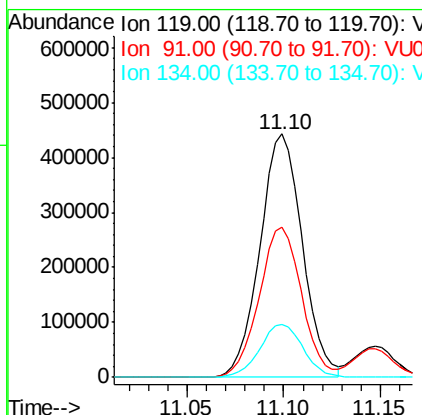
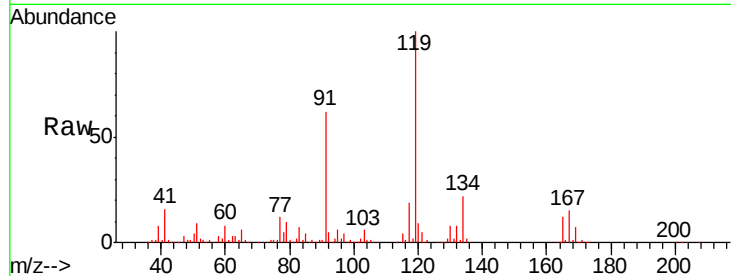
#83
tert-Butylbenzene
Concen: 47.783 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	677850		
91	62.0	30.8	92.4	
134	22.0	11.1	33.1	

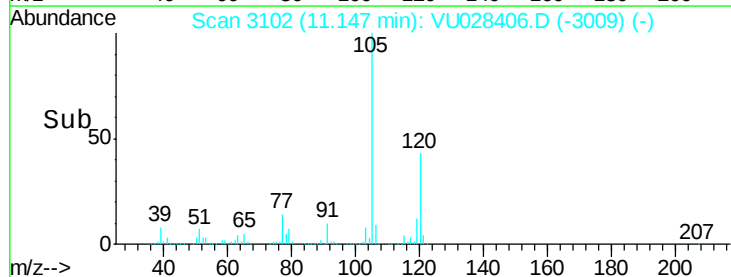
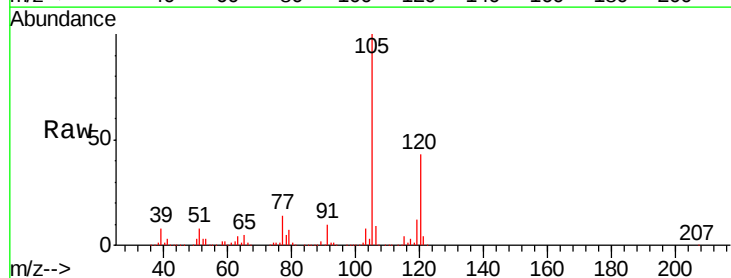
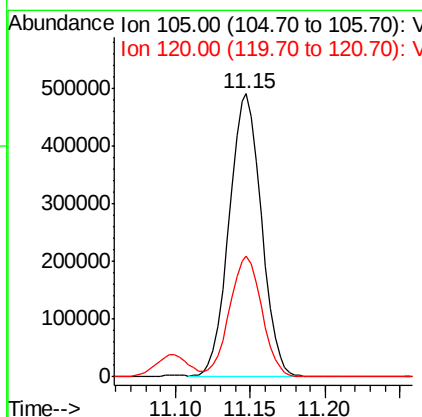
Manual Integrations
APPROVED

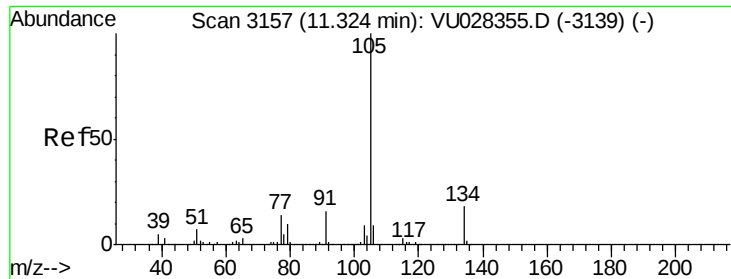
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 47.758 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	736139		
120	42.6	21.4	64.3	





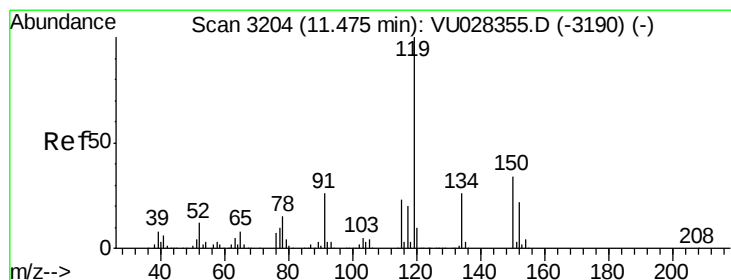
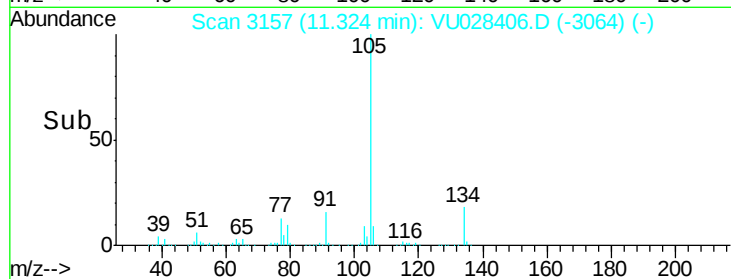
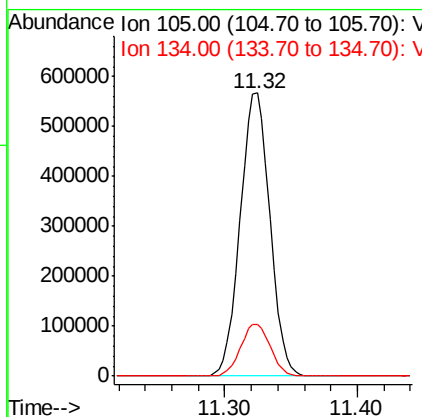
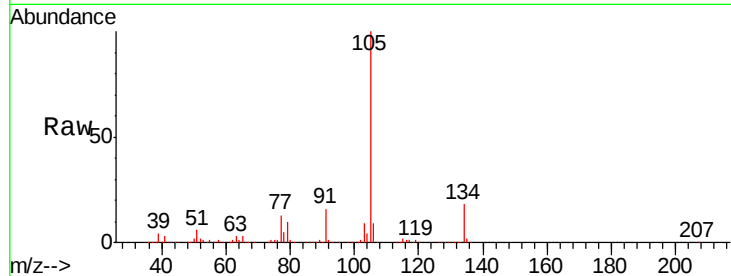
#85
 sec-Butylbenzene
 Concen: 47.747 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.3	27.7

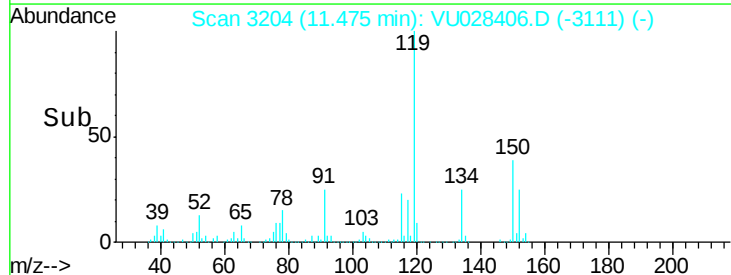
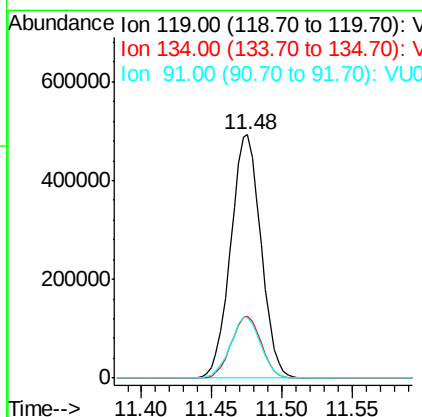
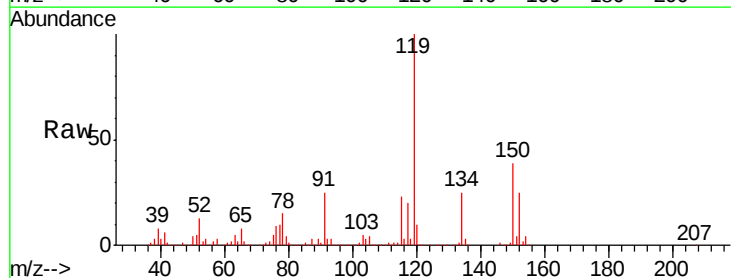
Manual Integrations
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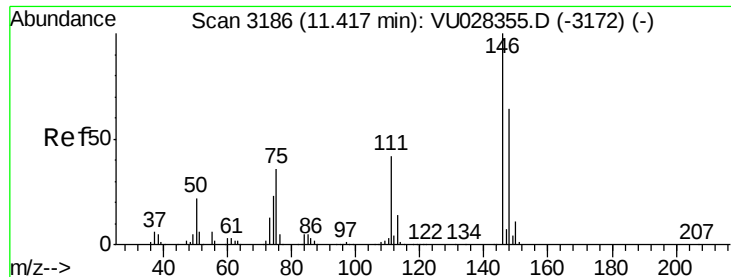
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#86
 p-Isopropyltoluene
 Concen: 48.785 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.8	38.3
91	25.1	13.1	39.1





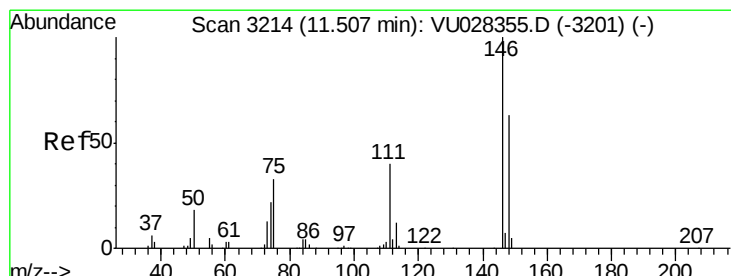
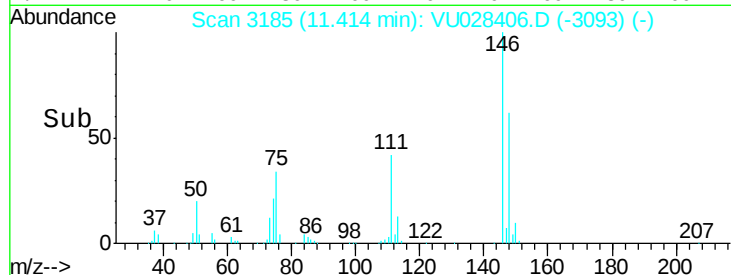
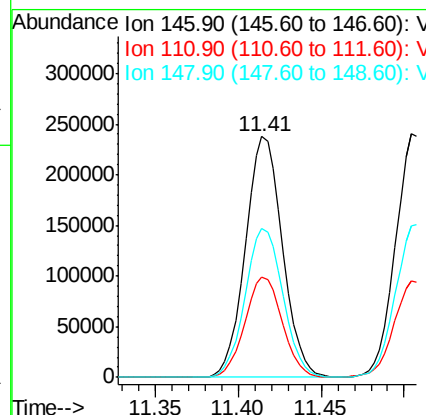
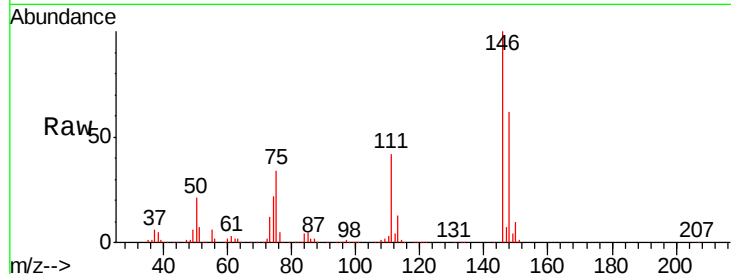
#87
 1,3-Dichlorobenzene
 Concen: 47.544 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.4
148	63.2	31.8	95.3

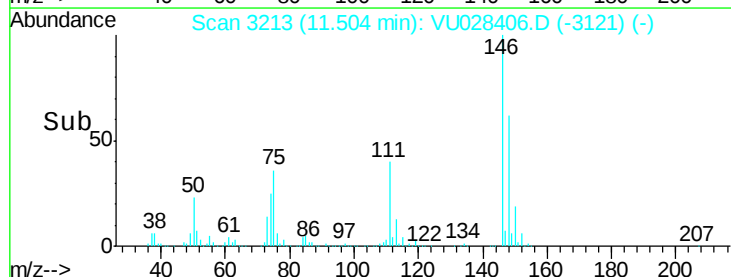
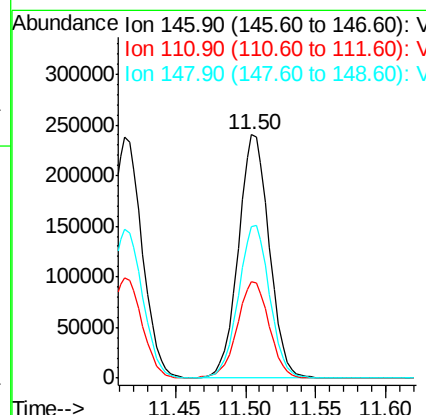
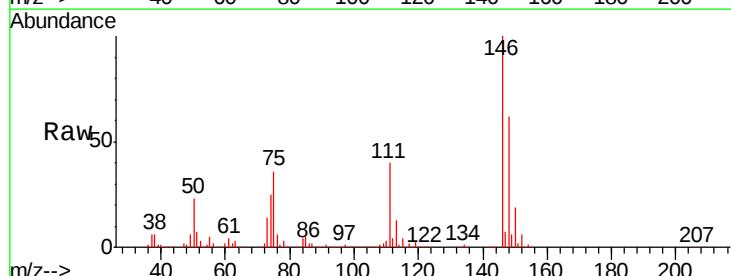
Manual Integrations
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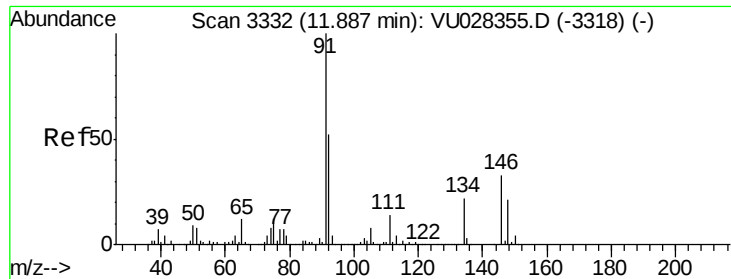
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#88
 1,4-Dichlorobenzene
 Concen: 47.092 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.6	61.9
148	63.5	31.1	93.5





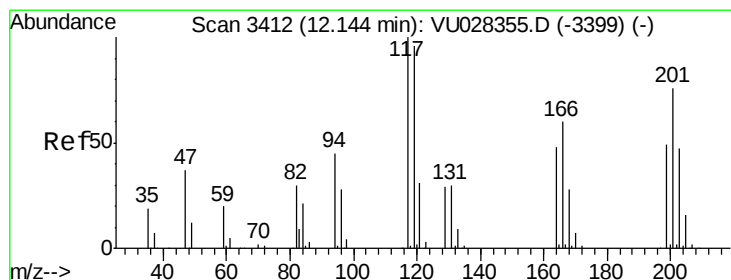
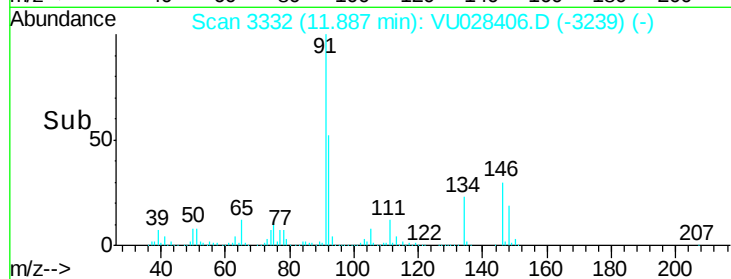
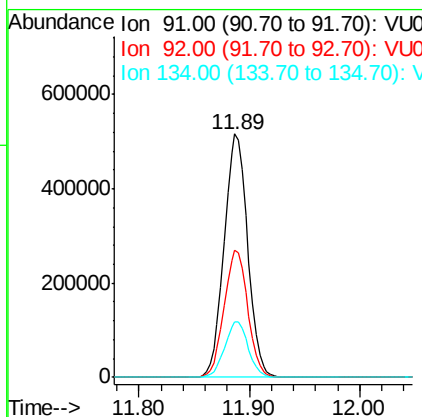
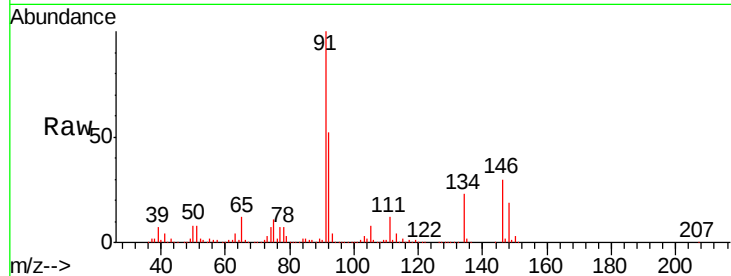
#89
n-Butylbenzene
Concen: 51.082 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	22.8	11.1	33.1

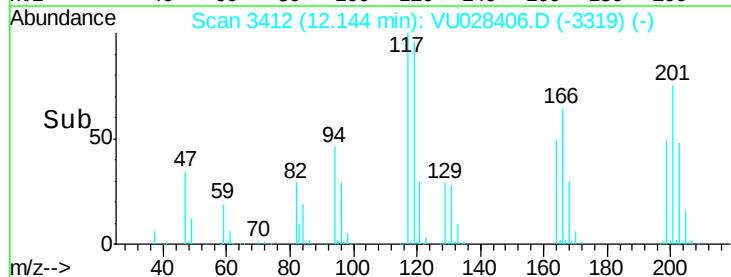
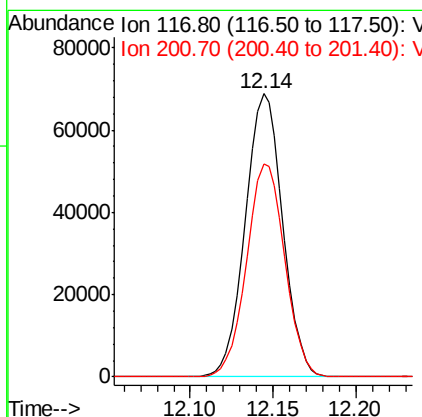
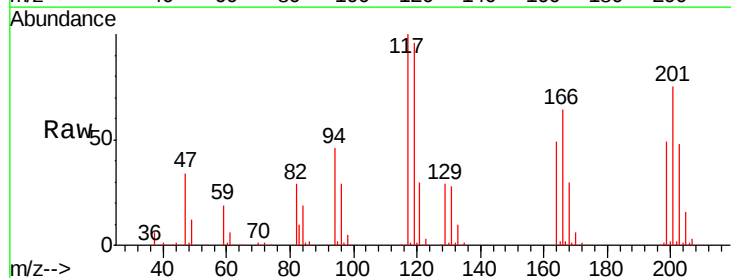
Manual Integrations
APPROVED

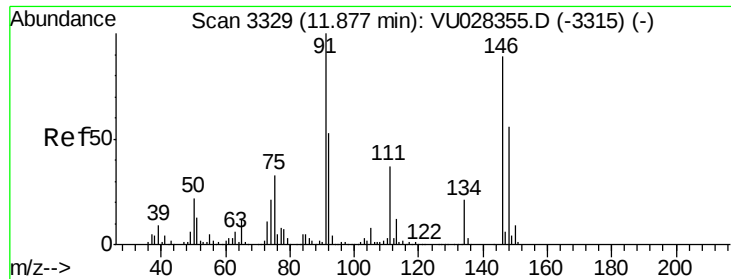
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#90
Hexachloroethane
Concen: 45.740 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.0	37.7	113.1





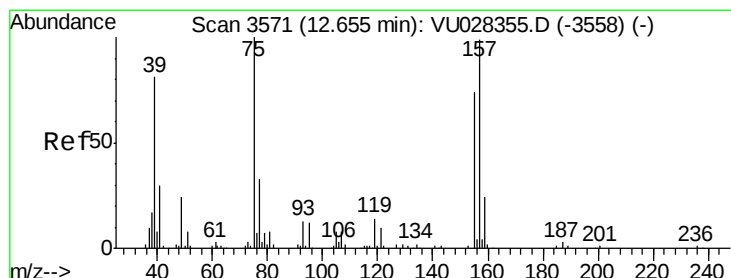
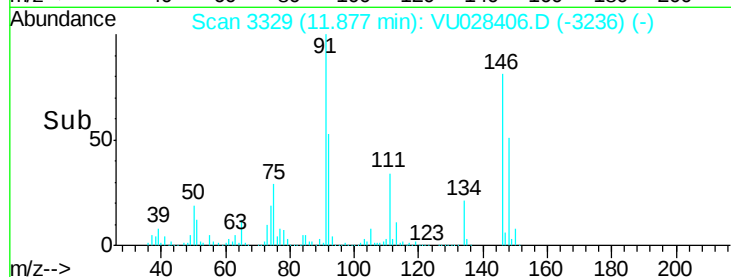
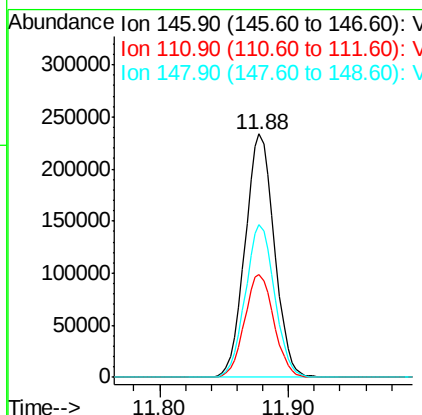
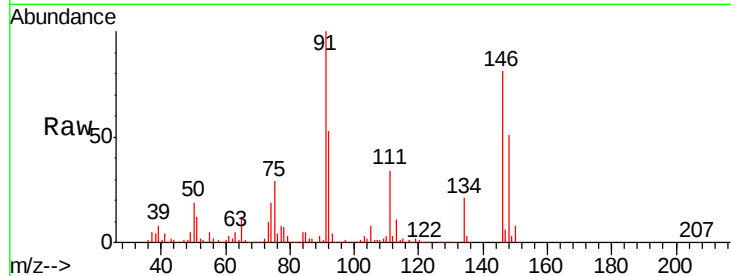
#91
 1,2-Dichlorobenzene
 Concen: 47.661 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.4	64.3
148	62.8	32.2	96.6

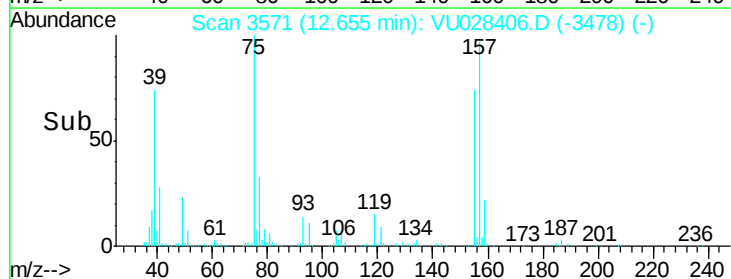
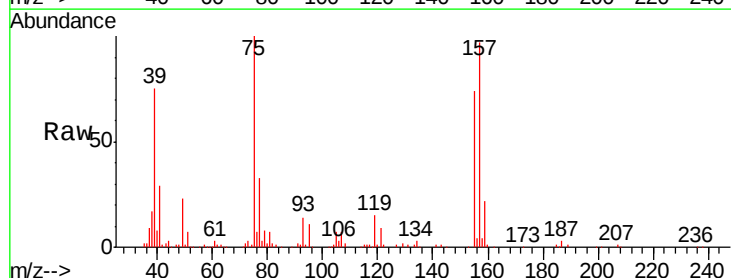
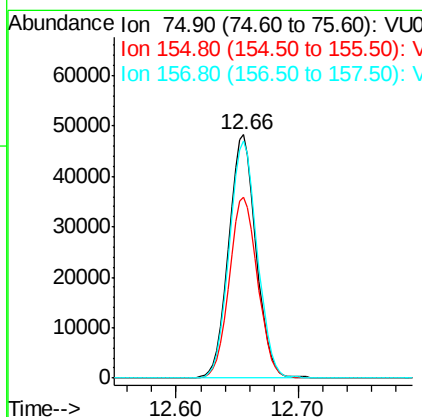
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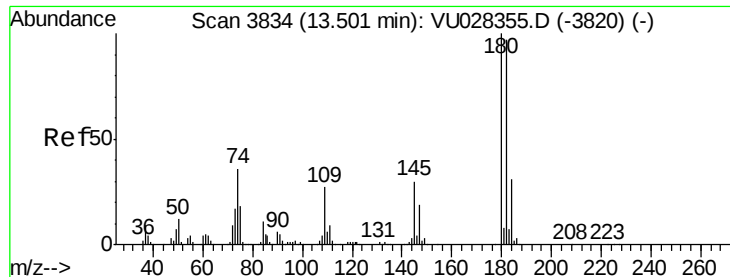
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.856 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	36.9	110.7
157	99.1	47.5	142.5





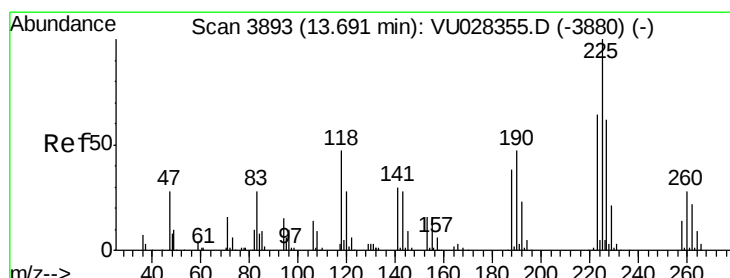
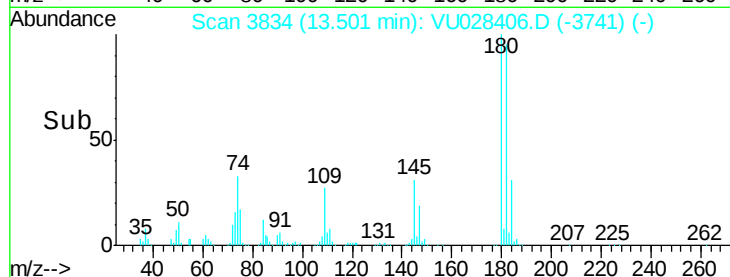
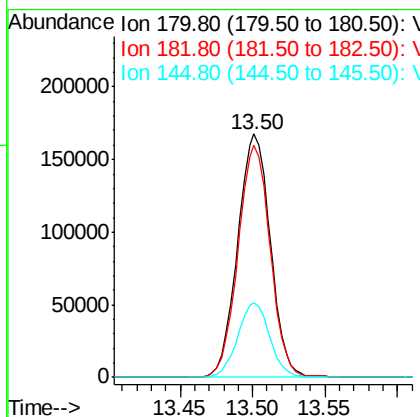
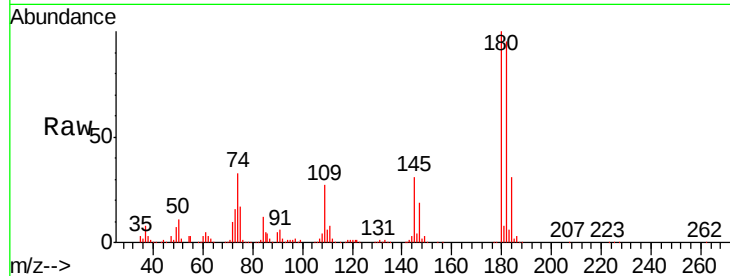
#93
 1,2,4-Trichlorobenzene
 Concen: 51.821 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	262649		
182	93.9	48.3	144.9	
145	30.0	15.2	45.5	

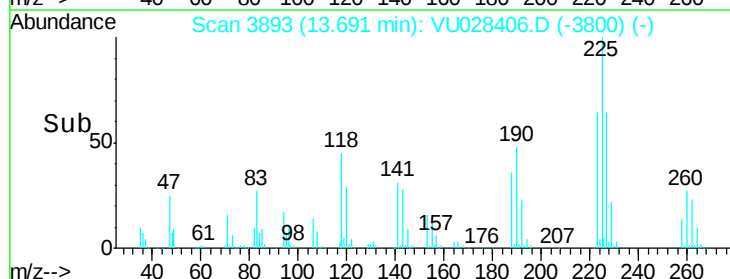
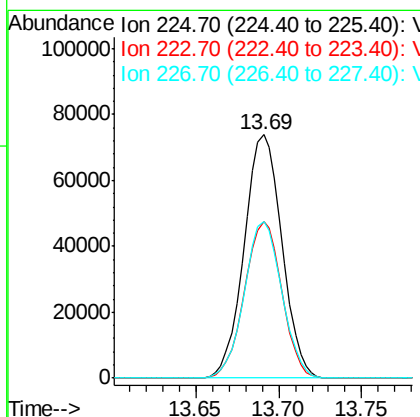
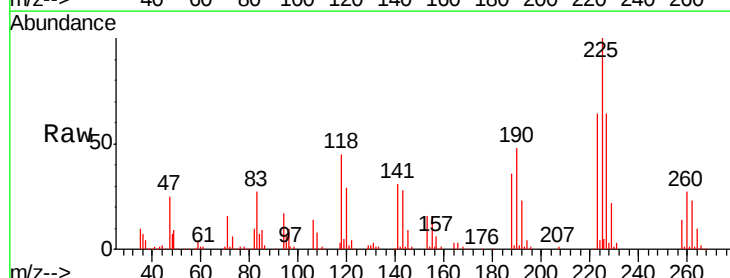
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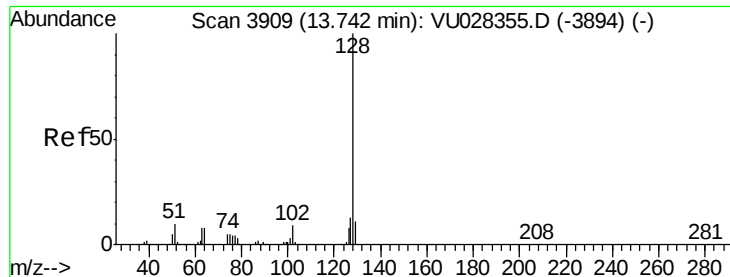
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#94
 Hexachlorobutadiene
 Concen: 48.762 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028406.D
 Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	116702		
223	63.6	31.6	94.7	
227	63.8	30.8	92.4	





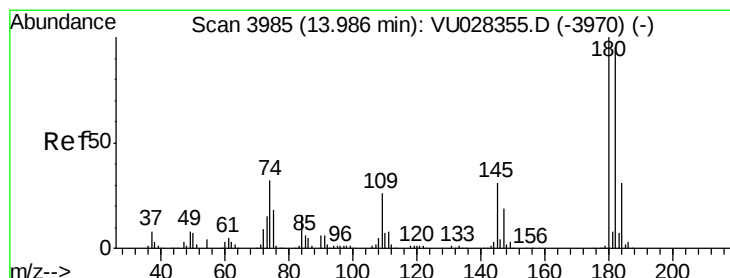
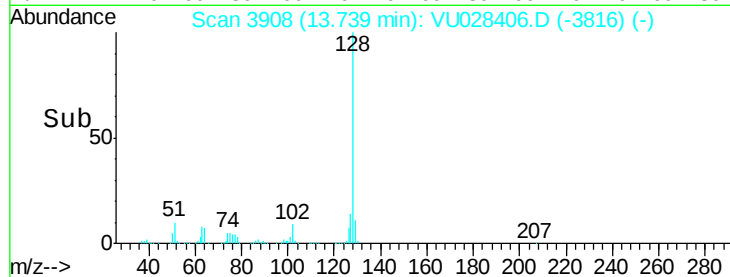
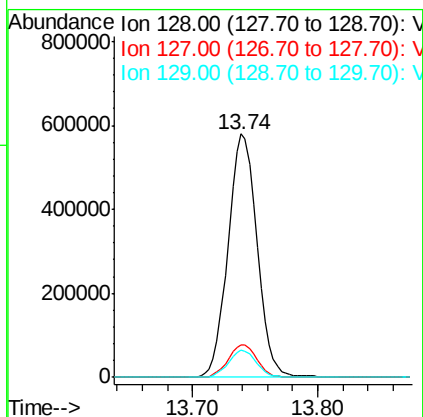
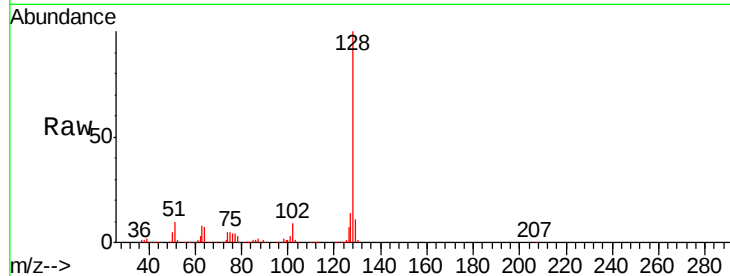
#95
Naphthalene
Concen: 47.772 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	10.8	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.260 ug/l
RT: 13.98 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VU028406.D
Acq: 29 Nov 2018 20:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.7	143.1
145	32.4	15.7	47.1

