

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\
 Data File : VU034018.D
 Acq On : 28 Aug 2019 12:50
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 8:47:10 AM

Quant Time: Aug 29 03:44:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 03:17:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	420895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	664968	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	638636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	334552	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	284095	58.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.22%	
35) Dibromofluoromethane	4.86	113	239074	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
50) Toluene-d8	7.55	98	938781	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	
62) 4-Bromofluorobenzene	10.29	95	345667	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	242644	55.841	ug/l	100
3) Chloromethane	1.32	50	310465	56.475	ug/l	100
4) Vinyl Chloride	1.40	62	306633	66.800	ug/l	100
5) Bromomethane	1.60	94	152947	57.047	ug/l	100
6) Chloroethane	1.68	64	180726	66.188	ug/l	100
7) Trichlorofluoromethane	1.87	101	354140	60.698	ug/l	100
8) Diethyl Ether	2.09	74	149755	66.060	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	222484	60.292	ug/l	100
10) Methyl Iodide	2.39	142	329549	59.408	ug/l	100
11) Tert butyl alcohol	2.82	59	332076	265.912	ug/l	100
12) 1,1-Dichloroethene	2.27	96	227571	59.007	ug/l	100
13) Acrolein	2.18	56	135365	320.911	ug/l	100
14) Allyl chloride	2.58	41	427909	61.886	ug/l	100
15) Acrylonitrile	2.92	53	793577	308.633	ug/l	100
16) Acetone	2.31	43	738578	312.022	ug/l	100
17) Carbon Disulfide	2.46	76	702643	55.653	ug/l	100
18) Methyl Acetate	2.60	43	358055	61.601	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	770904	59.640	ug/l	100
20) Methylene Chloride	2.68	84	271426	55.271	ug/l	100
21) trans-1,2-Dichloroethene	2.96	96	248507	56.992	ug/l	100
22) Diisopropyl ether	3.55	45	808400	63.533	ug/l	100
23) Vinyl Acetate	3.50	43	3553542	327.731	ug/l	100
24) 1,1-Dichloroethane	3.42	63	466842	59.413	ug/l	100
25) 2-Butanone	4.23	43	1096453	322.728	ug/l	100
26) 2,2-Dichloropropane	4.20	77	379722	57.468	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	277532	56.757	ug/l	100
28) Bromochloromethane	4.52	49	228862	62.705	ug/l	100
29) Tetrahydrofuran	4.61	42	672671	317.809	ug/l	100
30) Chloroform	4.65	83	447195	55.967	ug/l	100
31) Cyclohexane	4.97	56	425521	58.531	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	377291	56.401	ug/l	100
36) 1,1-Dichloropropene	5.11	75	337221	54.136	ug/l	100
37) Ethyl Acetate	4.35	43	390209	61.438	ug/l	100
38) Carbon Tetrachloride	5.11	117	327098	52.087	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	409555	55.634	ug/l	100
40) Benzene	5.36	78	1024867	55.272	ug/l	100
41) Methacrylonitrile	4.51	41	207933	62.862	ug/l	100
42) 1,2-Dichloroethane	5.38	62	355001	56.412	ug/l	100
43) Isopropyl Acetate	5.53	43	591643	60.583	ug/l	100
44) Trichloroethene	6.16	130	264267	50.794	ug/l	100
45) 1,2-Dichloropropane	6.41	63	287299	57.468	ug/l	100
46) Dibromomethane	6.54	93	182062	54.199	ug/l	100
47) Bromodichloromethane	6.74	83	355775	55.417	ug/l	100
48) Methyl methacrylate	6.60	41	294972	62.898	ug/l	100
49) 1,4-Dioxane	6.59	88	143158	1154.674	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	2042620	302.104	ug/l	100
52) Toluene	7.62	92	645657	55.301	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	403470	56.408	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	440912	57.269	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	267019	53.864	ug/l	100
56) Ethyl methacrylate	8.00	69	417651	59.128	ug/l	100
57) 1,3-Dichloropropane	8.22	76	450653	55.893	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	860397	331.143	ug/l	100
59) 2-Hexanone	8.34	43	1576867	303.690	ug/l	100
60) Dibromochloromethane	8.46	129	285180	51.748	ug/l	100
61) 1,2-Dibromoethane	8.57	107	279360	53.706	ug/l	100
64) Tetrachloroethene	8.21	164	231976	45.952	ug/l	100
65) Chlorobenzene	9.10	112	706674	52.957	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	253113	51.330	ug/l	100
67) Ethyl Benzene	9.23	91	1239633	55.423	ug/l	100
68) m/p-Xylenes	9.36	106	951569	110.645	ug/l	100
69) o-Xylene	9.76	106	458815	55.664	ug/l	100
70) Styrene	9.77	104	802254	56.845	ug/l	100
71) Bromoform	9.94	173	220942	50.618	ug/l #	100
73) Isopropylbenzene	10.15	105	1243115	56.291	ug/l	100
74) N-amyl acetate	10.00	43	545638	64.281	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.44	83	445615	55.511	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	410729m	59.701	ug/l	
77) Bromobenzene	10.43	156	320080	51.769	ug/l	100
78) n-propylbenzene	10.57	91	1447544	57.568	ug/l	100
79) 2-Chlorotoluene	10.64	91	854200	56.248	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	1074231	56.861	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	118615m	51.261	ug/l	
82) 4-Chlorotoluene	10.76	91	983556	56.099	ug/l	100
83) tert-Butylbenzene	11.08	119	1032617	56.107	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	1080525	58.118	ug/l	100
85) sec-Butylbenzene	11.31	105	1250904	57.004	ug/l	100
86) p-Isopropyltoluene	11.46	119	1151063	56.354	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	570811	52.093	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	568810	51.480	ug/l	100
89) n-Butylbenzene	11.87	91	1036265	60.061	ug/l	100
90) Hexachloroethane	12.12	117	186754	55.080	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	556501	51.708	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	94052	59.094	ug/l	100

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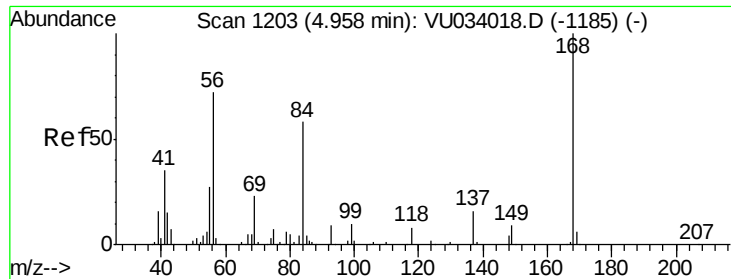
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	387221	58.763	ug/l	100
94) Hexachlorobutadiene	13.67	225	215227	49.275	ug/l	100
95) Naphthalene	13.73	128	1093066	62.569	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	379192	55.707	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 420895

Ion Ratio Lower Upper

168 100

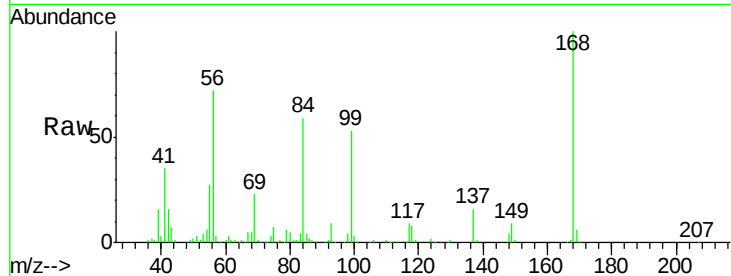
99 52.9 42.3 63.5

Manual Integrations

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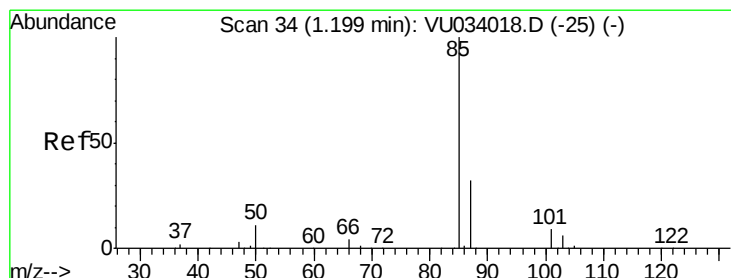
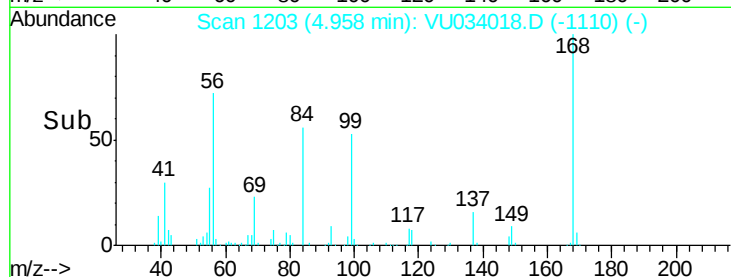
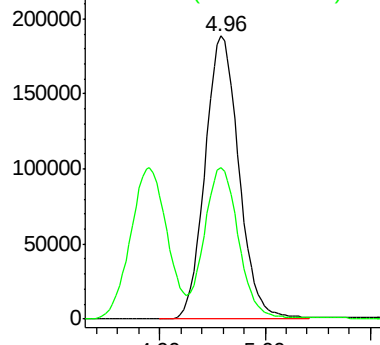
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 55.841 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034018.D

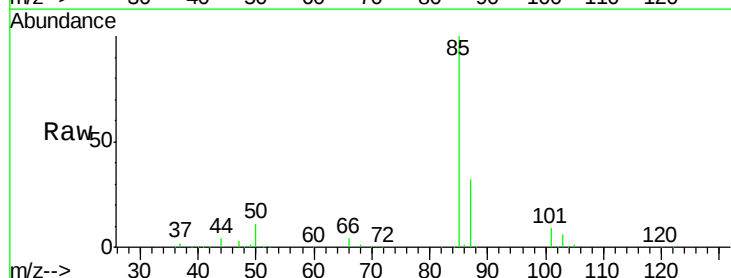
Acq: 28 Aug 2019 12:50

Tgt Ion: 85 Resp: 242644

Ion Ratio Lower Upper

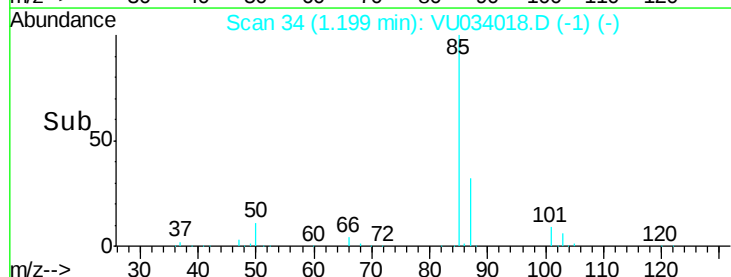
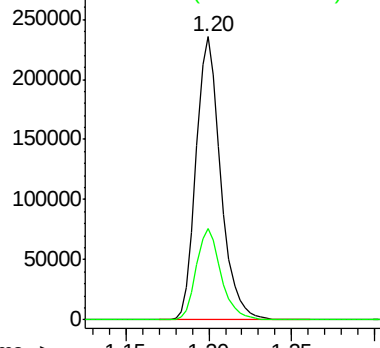
85 100

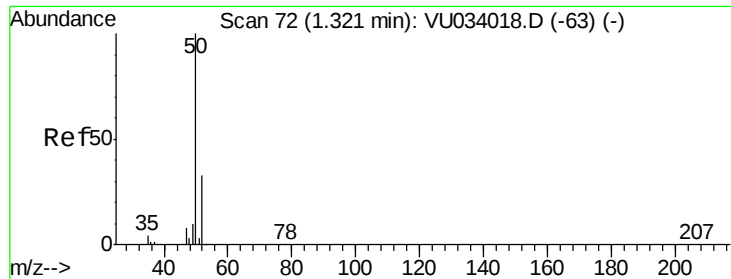
87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 56.475 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 310465

Ion Ratio Lower Upper

50 100

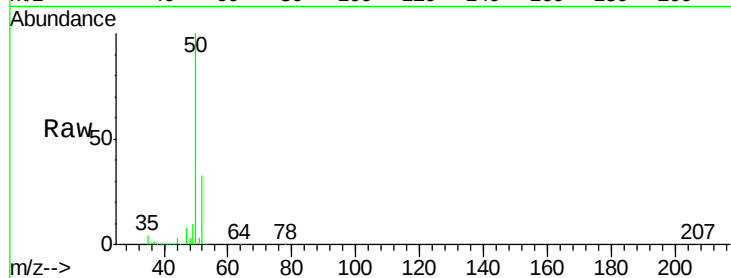
52 32.8 26.2 39.4

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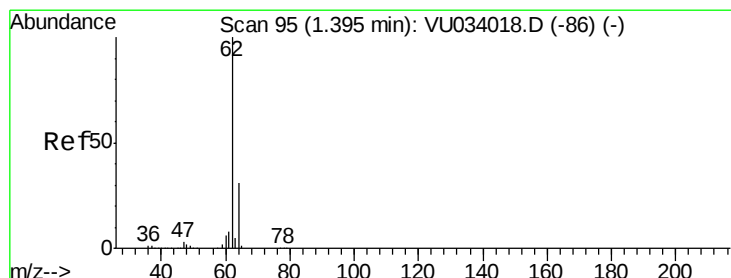
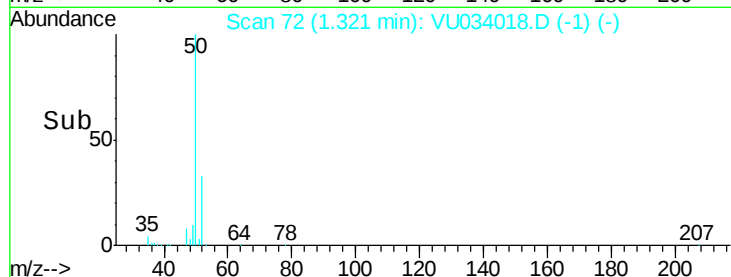
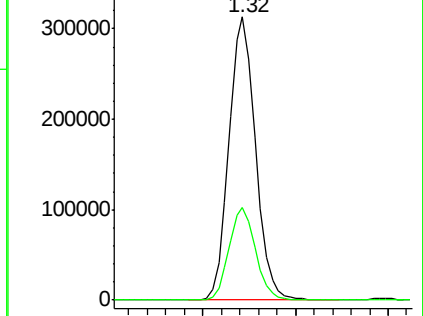
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 66.800 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034018.D

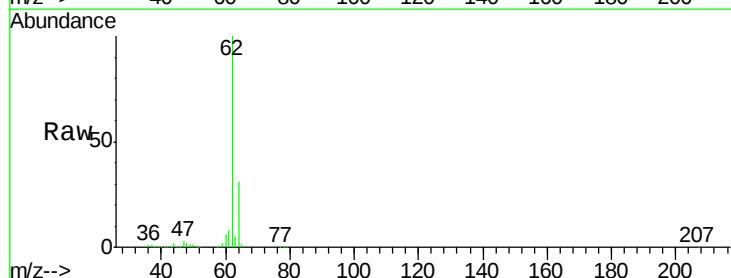
Acq: 28 Aug 2019 12:50

Tgt Ion: 62 Resp: 306633

Ion Ratio Lower Upper

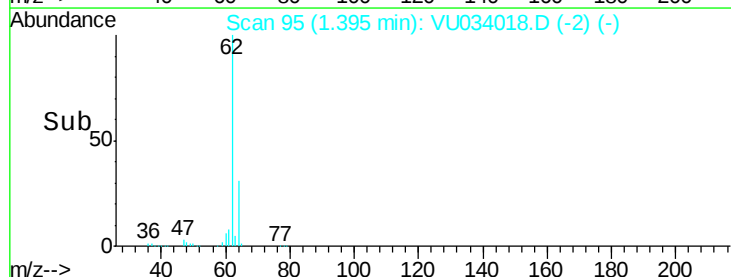
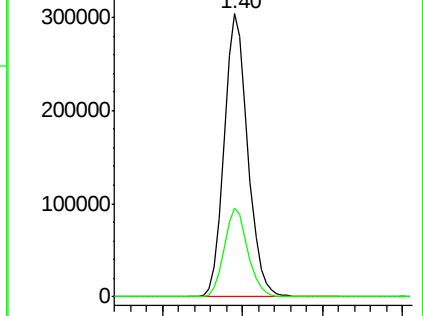
62 100

64 31.3 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 57.047 ug/l

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 152947

Ion Ratio Lower Upper

94 100

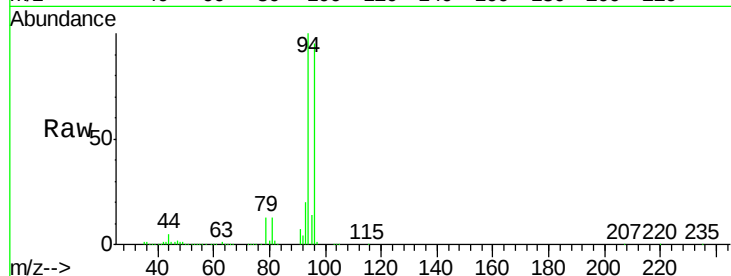
96 95.4 76.3 114.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU034018.D (-143) (-)

Ion 95.90 (95.60 to 96.60): VU034018.D (-143) (-)

1.60

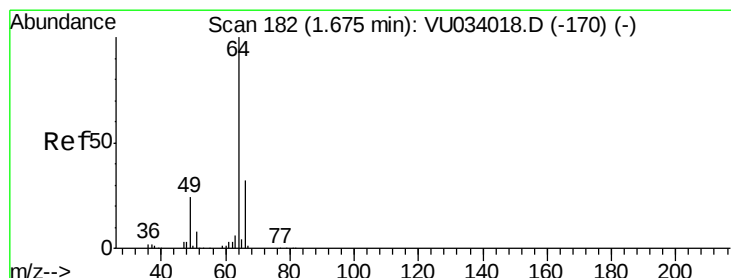
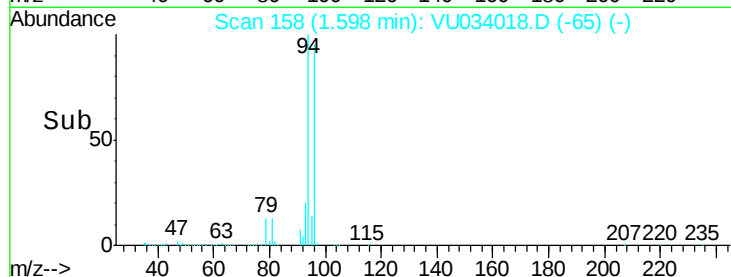
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 66.188 ug/l

RT: 1.68 min Scan# 182

Delta R.T. 0.00 min

Lab File: VU034018.D

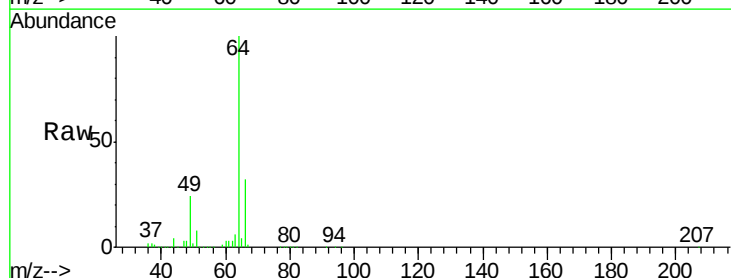
Acq: 28 Aug 2019 12:50

Tgt Ion: 64 Resp: 180726

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034018.D (-170) (-)

Ion 65.90 (65.60 to 66.60): VU034018.D (-170) (-)

1.68

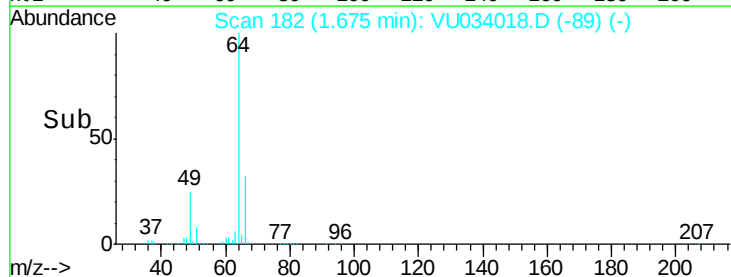
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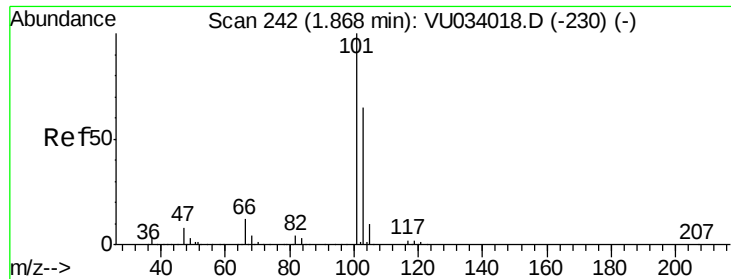
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50000

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Time-->





#7

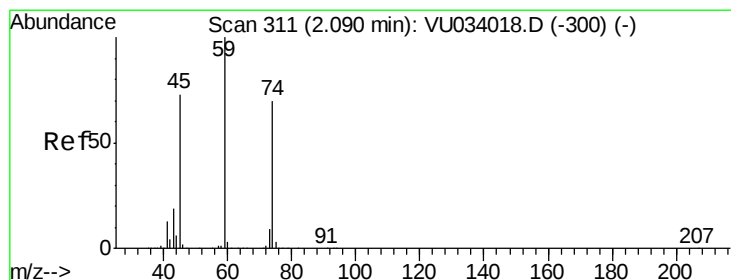
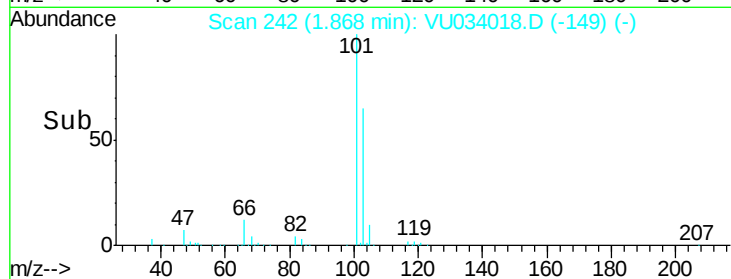
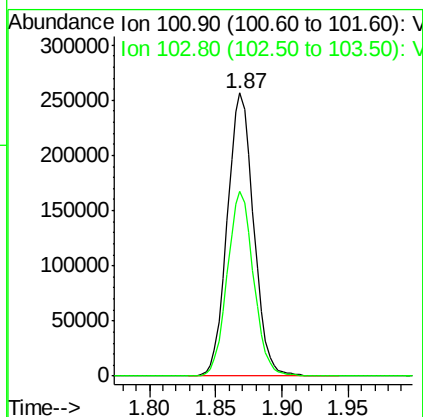
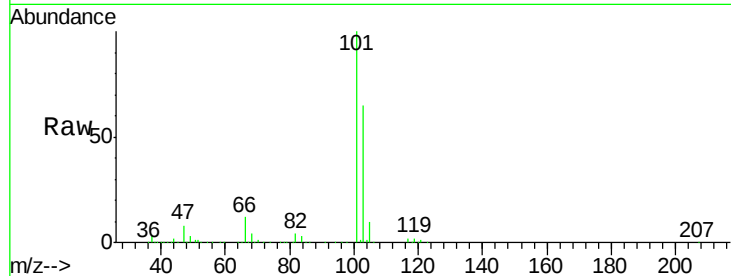
Trichlorofluoromethane
 Concen: 60.698 ug/l
 RT: 1.87 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VU034018.D
 Acq: 28 Aug 2019 12:50

Instrument :
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 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1

Manual Integrations
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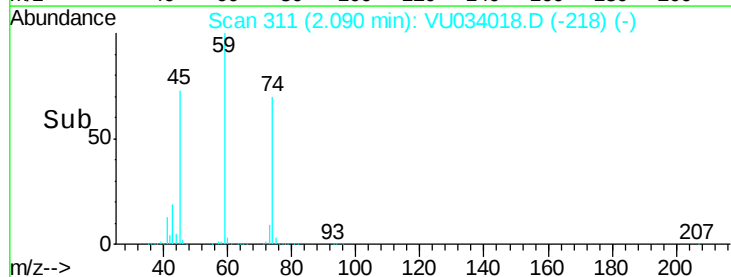
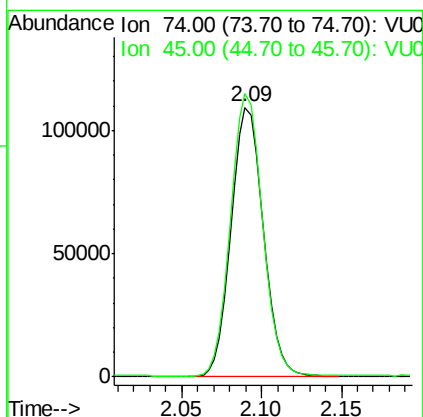
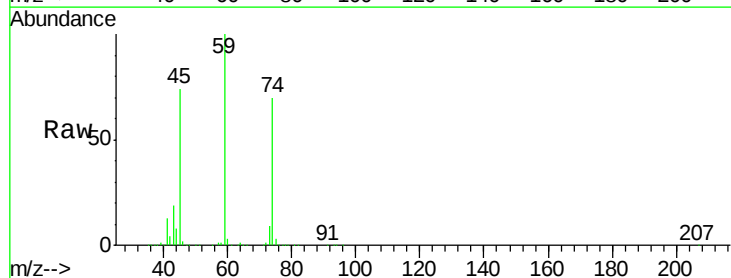
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#8

Diethyl Ether
 Concen: 66.060 ug/l
 RT: 2.09 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VU034018.D
 Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	51.8	155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 60.292 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

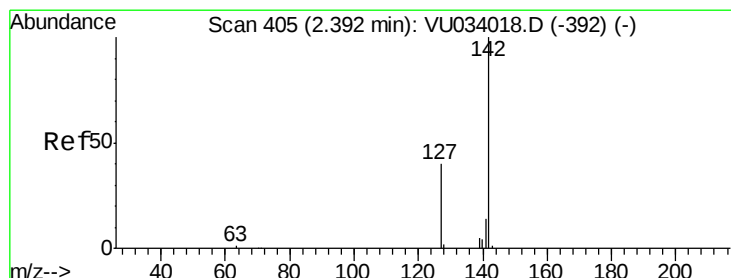
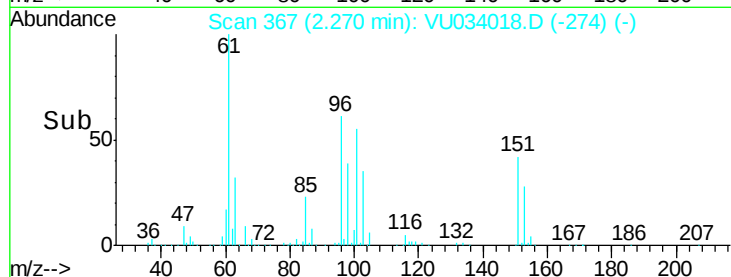
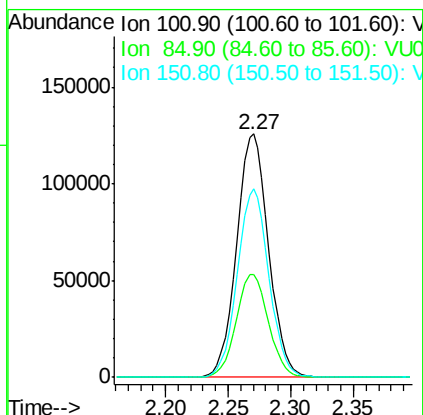
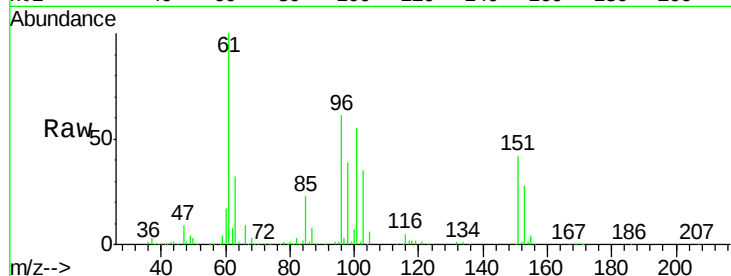
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	222484
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.2
151	76.8	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 59.408 ug/l

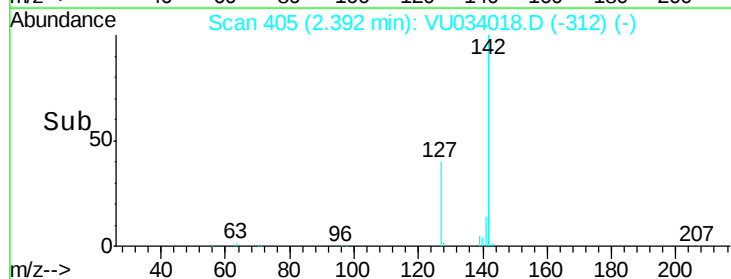
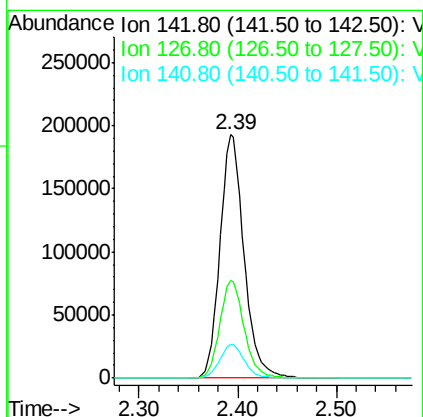
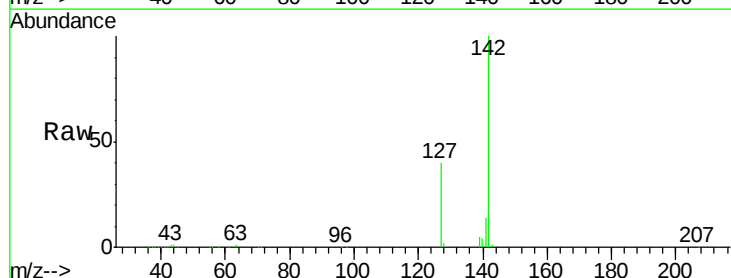
RT: 2.39 min Scan# 405

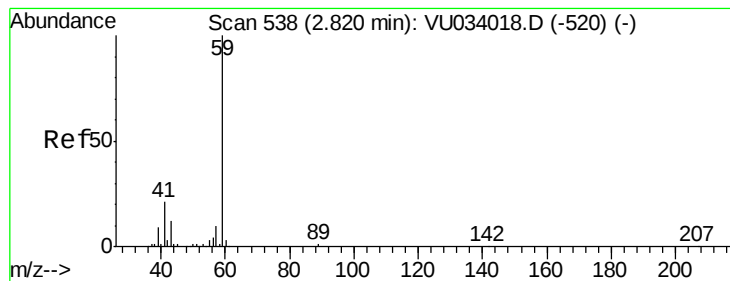
Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Tgt Ion:	142	Resp:	329549
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.6	48.8
141	14.1	11.3	16.9





#11

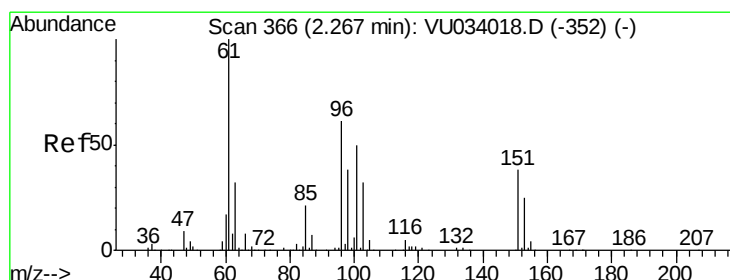
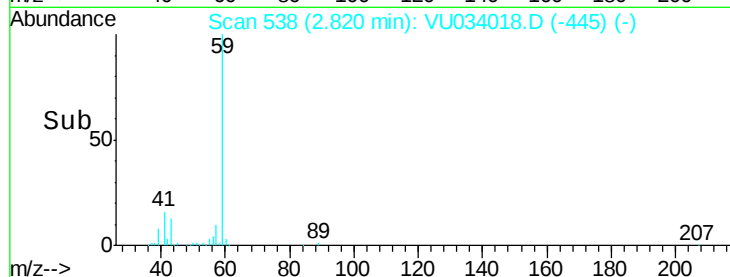
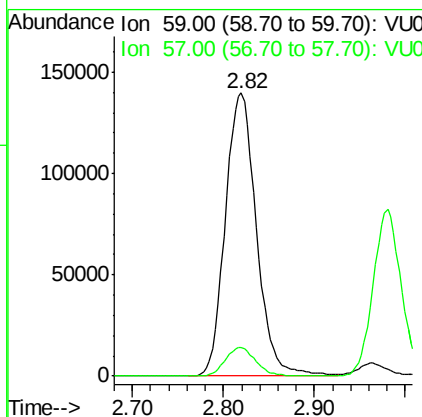
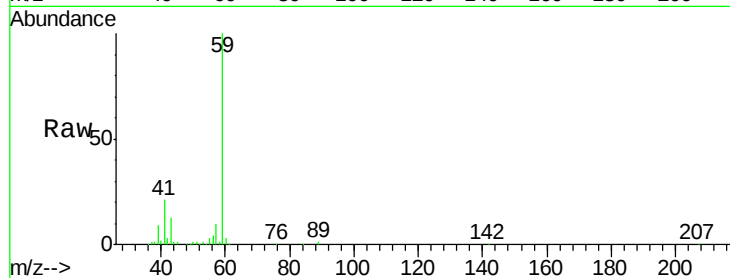
Tert butyl alcohol
 Concen: 265.912 ug/l
 RT: 2.82 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VU034018.D
 Acq: 28 Aug 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

Manual Integrations
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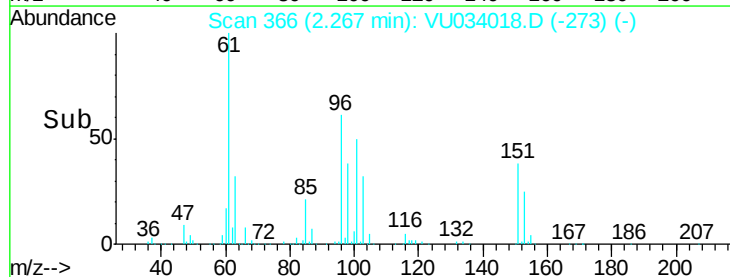
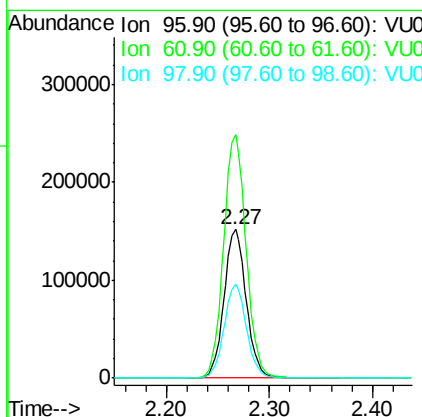
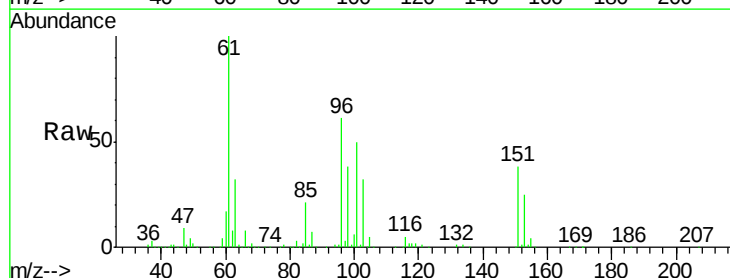
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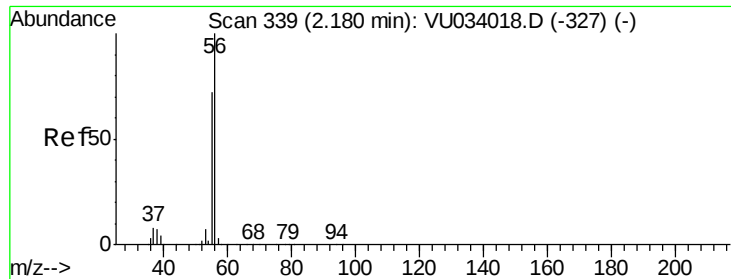


#12

1,1-Dichloroethene
 Concen: 59.007 ug/l
 RT: 2.27 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VU034018.D
 Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.1	131.3	196.9
98	62.9	50.3	75.5





#13

Acrolein

Concen: 320.911 ug/l

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 135365

Ion Ratio Lower Upper

56 100

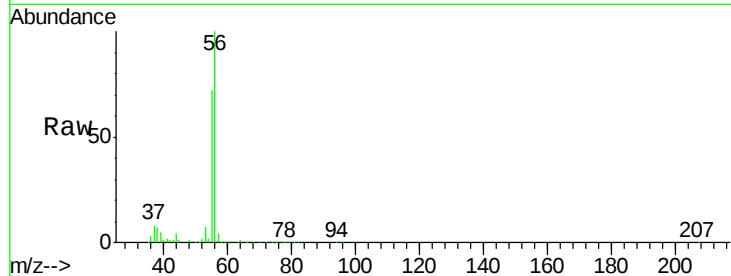
55 71.4 57.1 85.7

Manual Integrations

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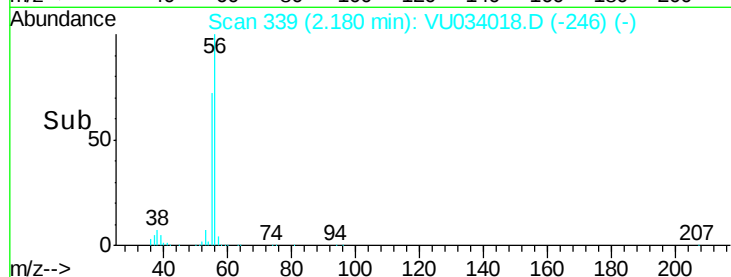


Abundance Ion 56.00 (55.70 to 56.70): VU034018.D (-327) (-)

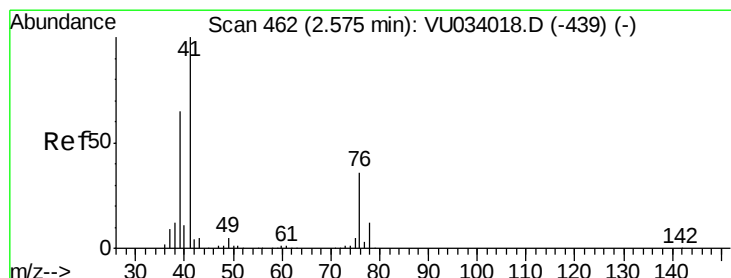
Ion 55.00 (54.70 to 55.70): VU034018.D (-327) (-)

2.18

Time-->



Time-->



#14

Allyl chloride

Concen: 61.886 ug/l

RT: 2.58 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

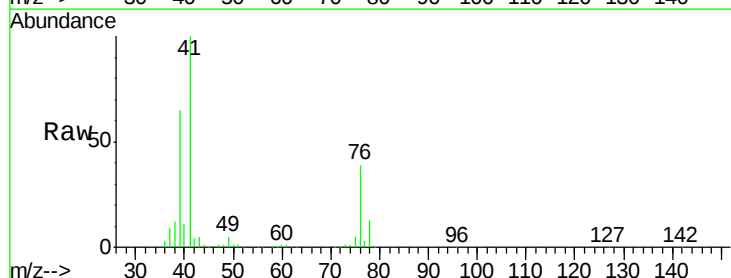
Tgt Ion: 41 Resp: 427909

Ion Ratio Lower Upper

41 100

39 58.5 46.8 70.2

76 33.3 26.6 40.0



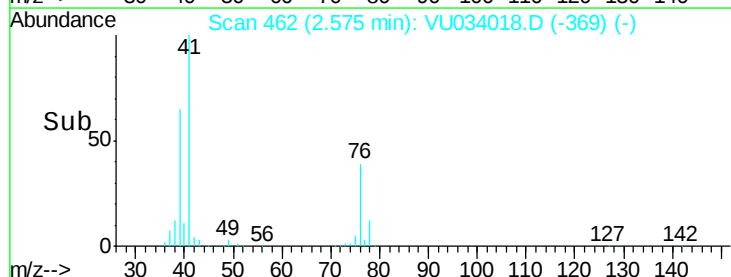
Abundance Ion 41.00 (40.70 to 41.70): VU034018.D (-439) (-)

Ion 39.00 (38.70 to 39.70): VU034018.D (-439) (-)

Ion 75.90 (75.60 to 76.60): VU034018.D (-439) (-)

2.58

Time-->





#15

Acrylonitrile

Concen: 308.633 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

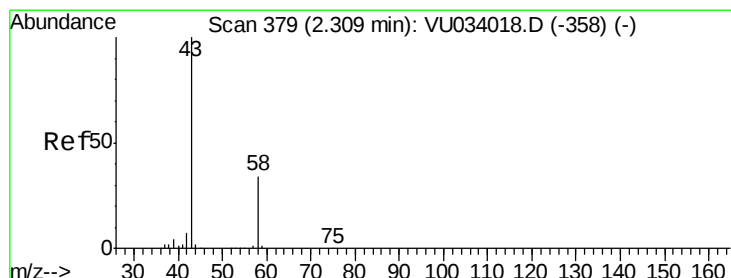
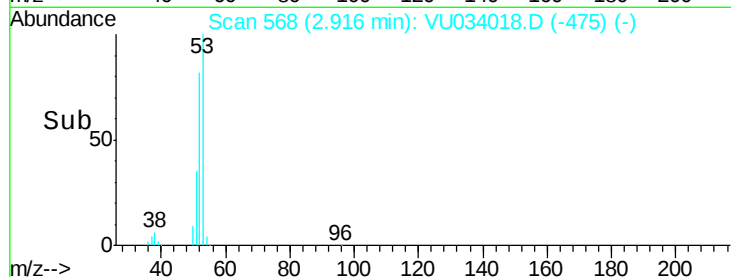
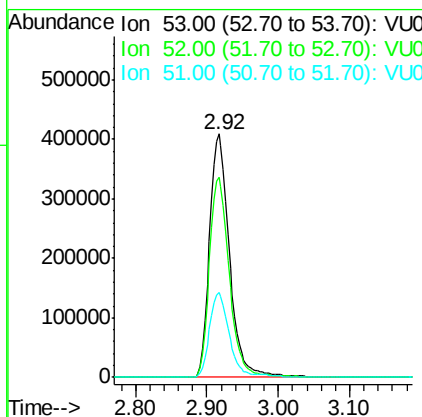
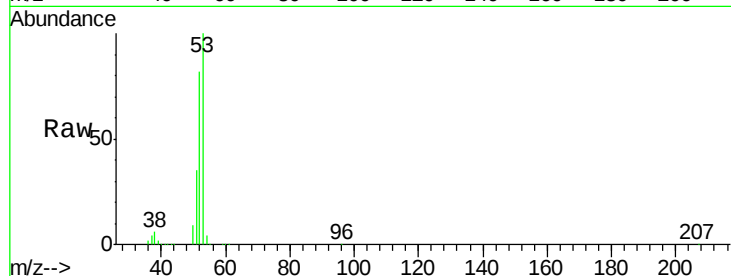
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	793577
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	34.9	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 312.022 ug/l

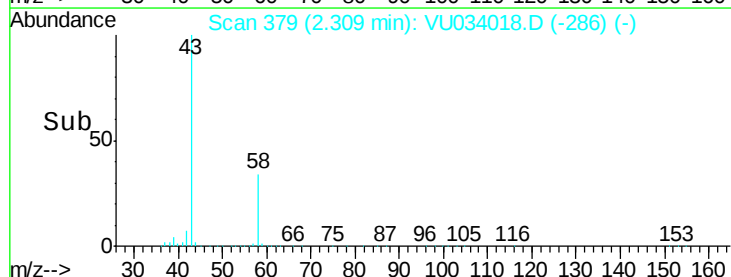
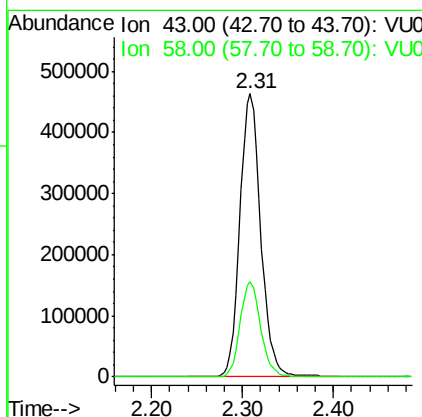
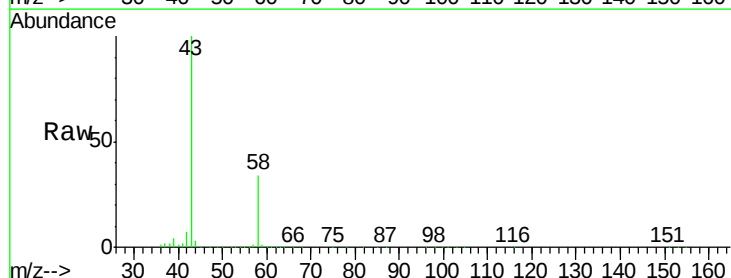
RT: 2.31 min Scan# 379

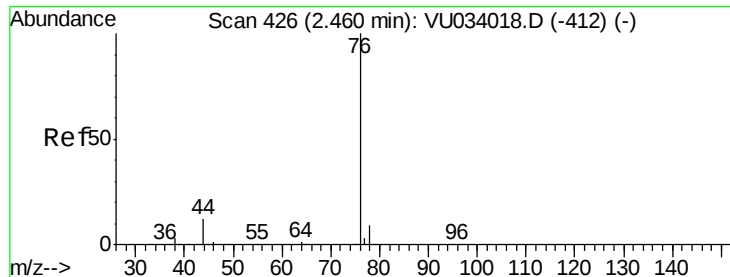
Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Tgt Ion:	43	Resp:	738578
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.8	40.2





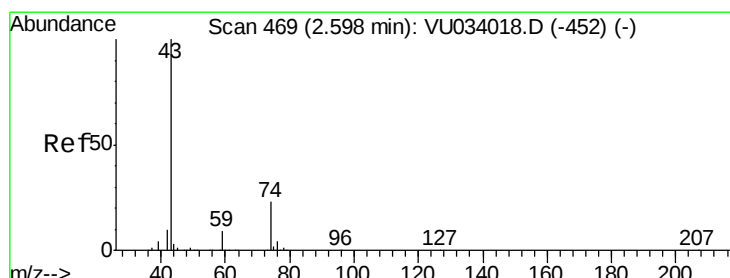
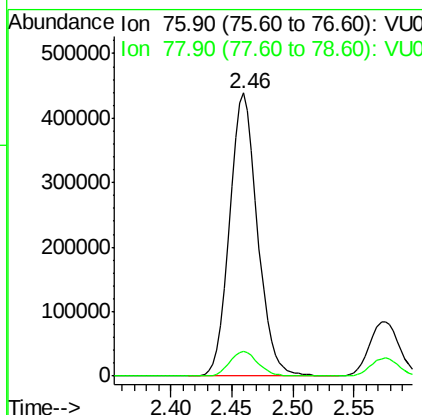
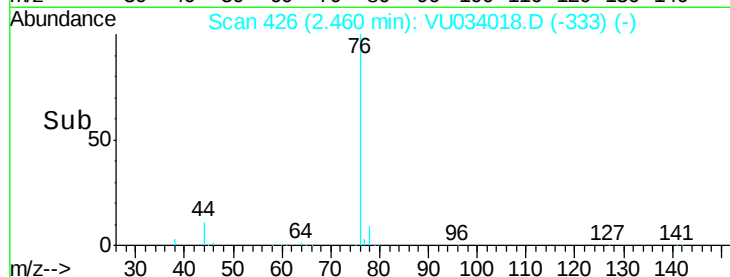
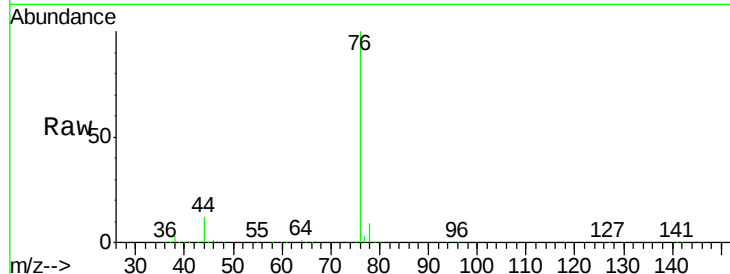
#17
Carbon Disulfide
Concen: 55.653 ug/l
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

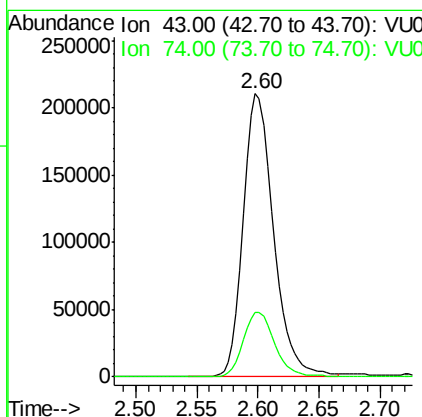
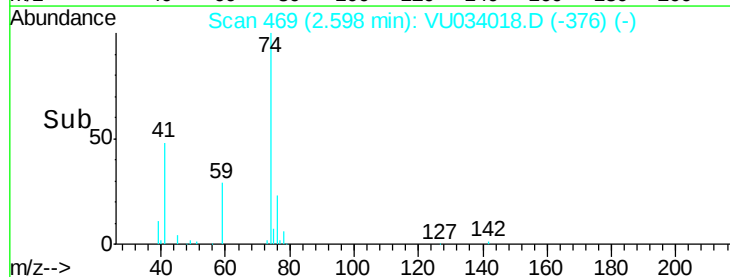
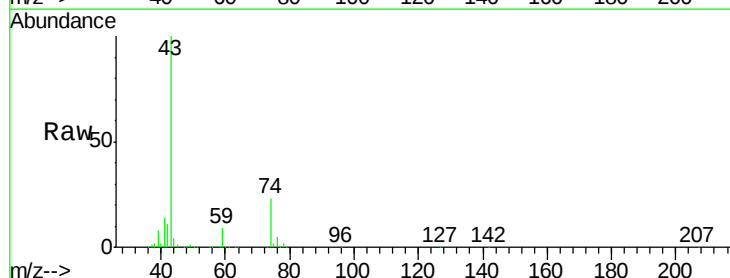
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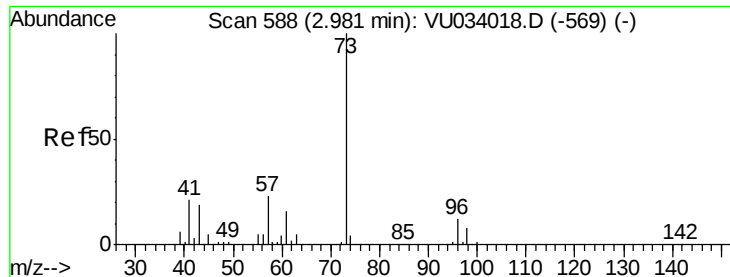
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#18
Methyl Acetate
Concen: 61.601 ug/l
RT: 2.60 min Scan# 469
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8





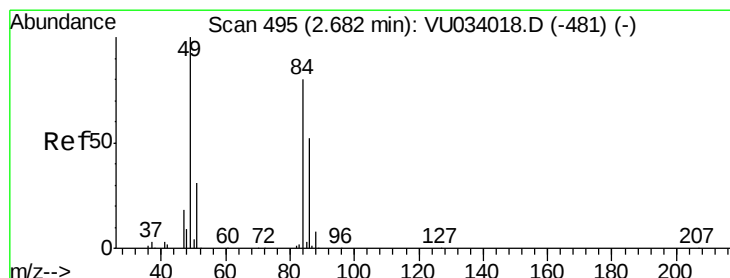
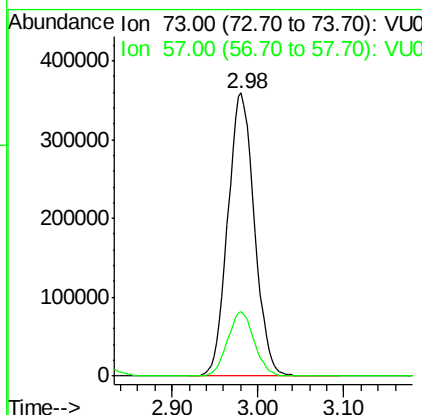
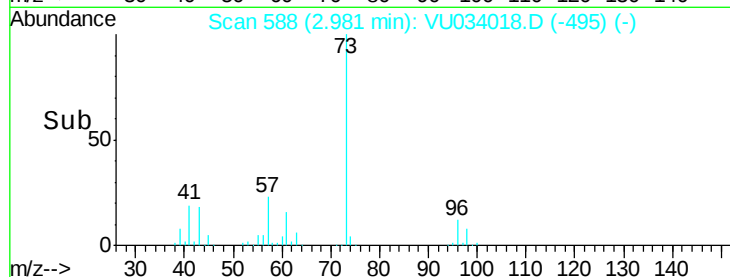
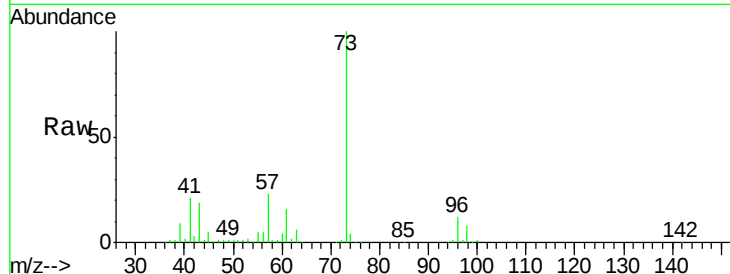
#19
Methvl tert-butvl Ether
Concen: 59.640 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.3	27.5

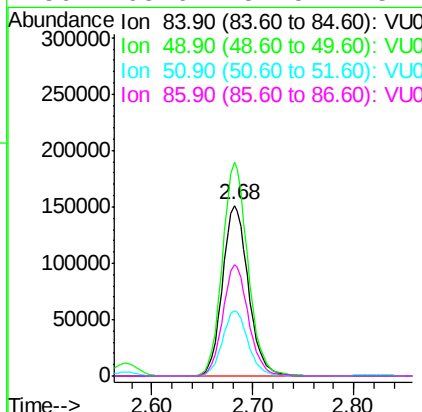
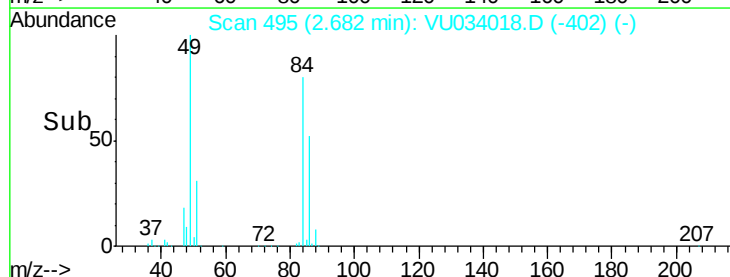
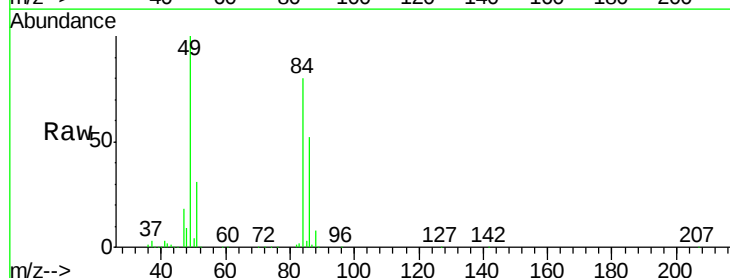
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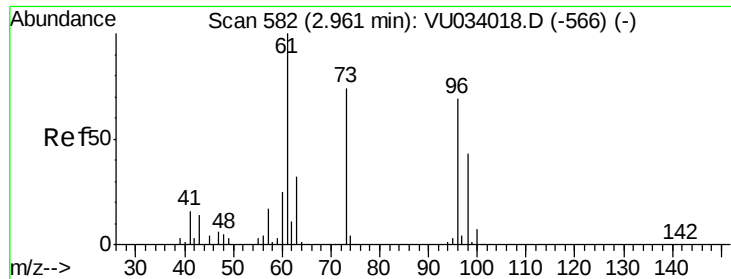
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#20
Methylene Chloride
Concen: 55.271 ug/l
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.3	100.2	150.4
51	38.5	30.8	46.2
86	65.6	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 56.992 ug/l

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

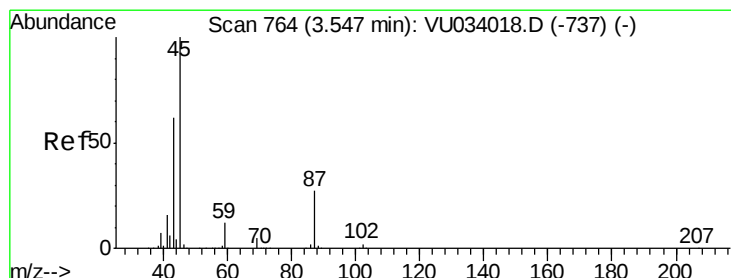
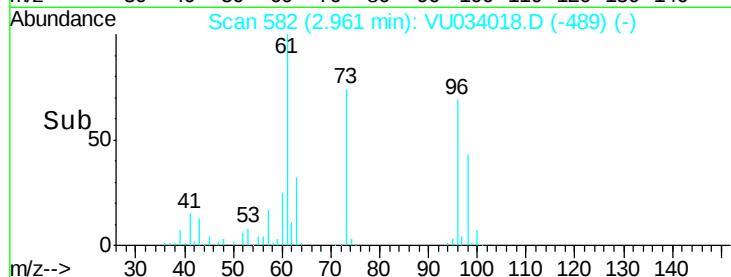
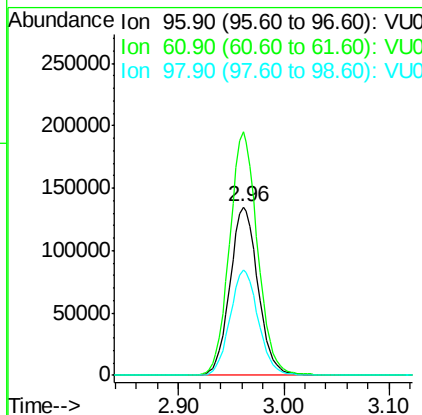
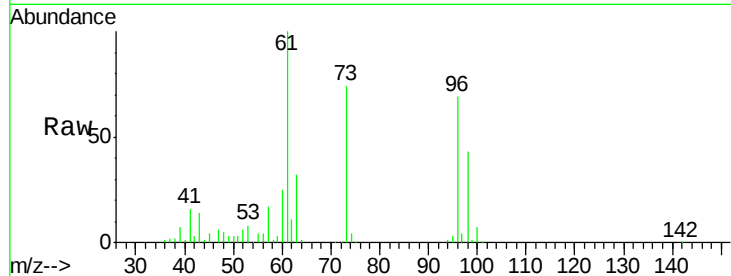
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	248507
Ion	Ratio	Lower	Upper
96	100		
61	144.4	115.5	173.3
98	62.6	50.1	75.1

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#22

Diisopropyl ether

Concen: 63.533 ug/l

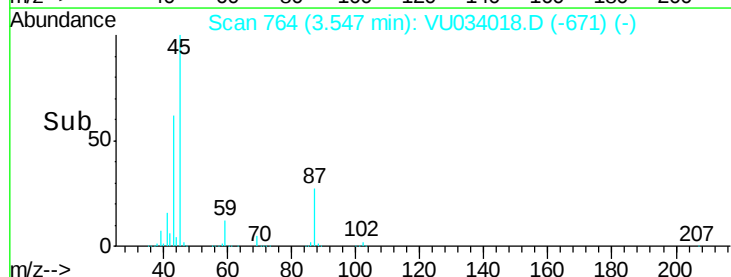
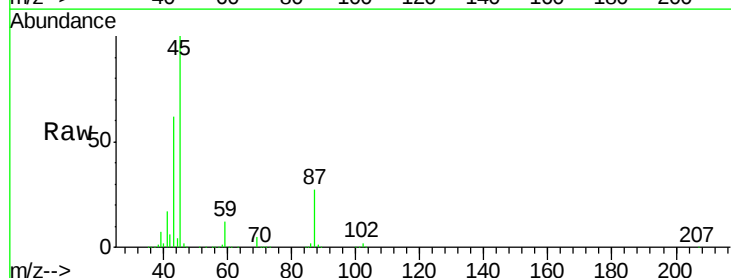
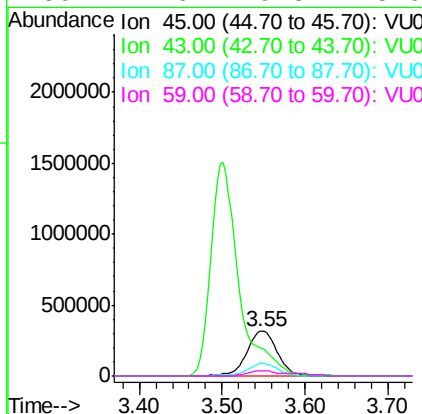
RT: 3.55 min Scan# 764

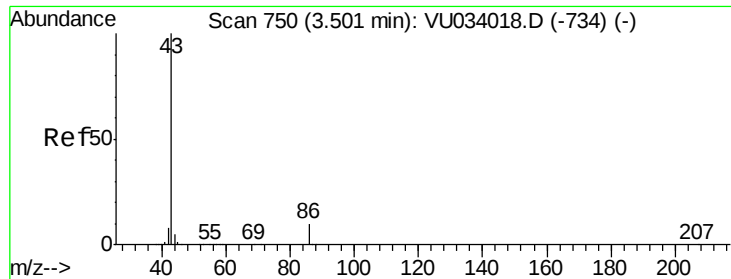
Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Tgt Ion:	45	Resp:	808400
Ion	Ratio	Lower	Upper
45	100		
43	62.1	49.7	74.5
87	27.3	21.8	32.8
59	11.6	9.3	13.9





#23

Vinyl Acetate

Concen: 327.731 ug/l

RT: 3.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3553542

Ion Ratio Lower Upper

43 100

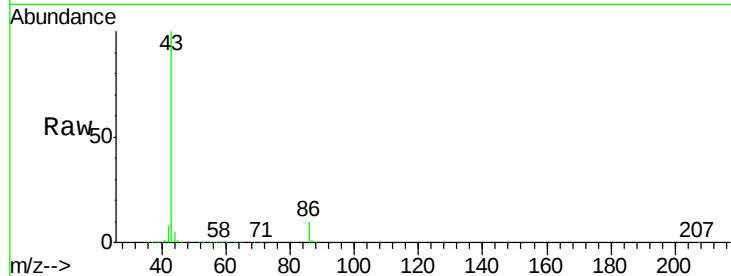
86 10.4 8.3 12.5

Manual Integrations

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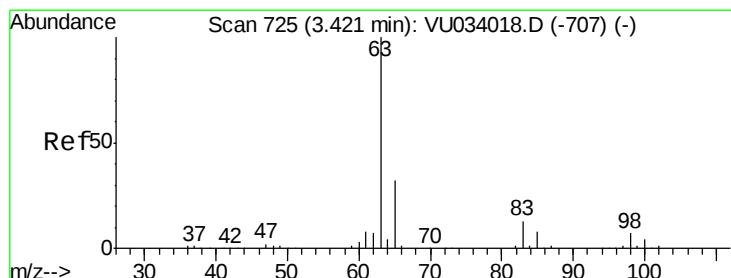
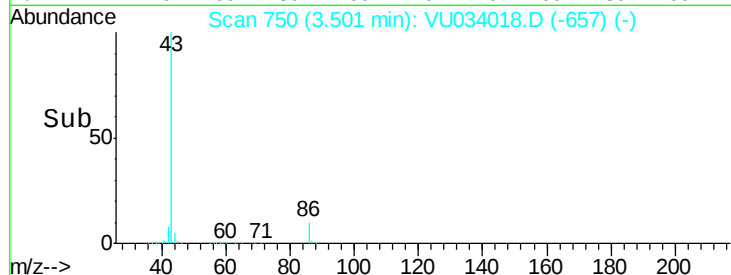
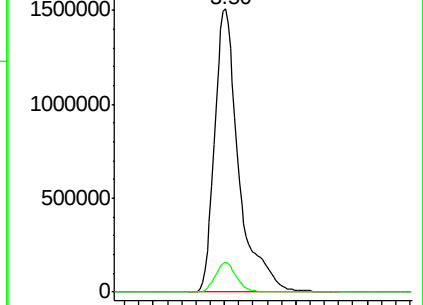
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Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-734) (-)

Ion 86.00 (85.70 to 86.70): VU034018.D (-734) (-)



#24

1,1-Dichloroethane

Concen: 59.413 ug/l

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

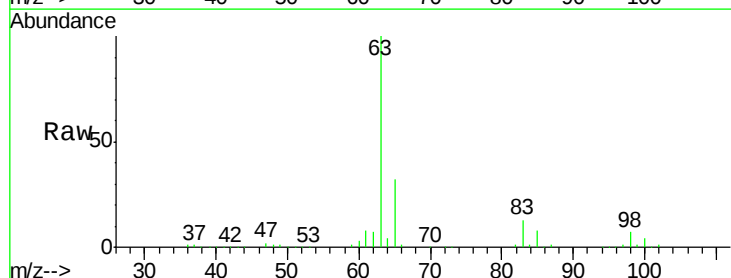
Tgt Ion: 63 Resp: 466842

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

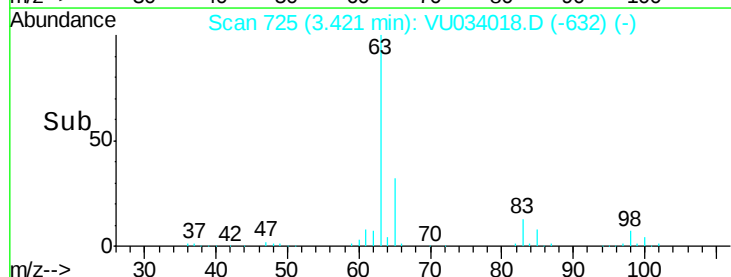
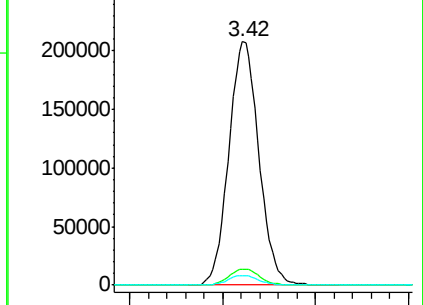
100 4.0 2.0 6.0

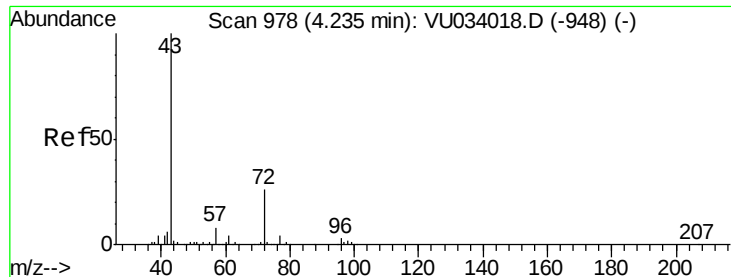


Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-707) (-)

Ion 97.90 (97.60 to 98.60): VU034018.D (-707) (-)

Ion 99.90 (99.60 to 100.60): VU034018.D (-707) (-)





#25

2-Butanone

Concen: 322.728 ug/l

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1096453

Ion Ratio Lower Upper

43 100

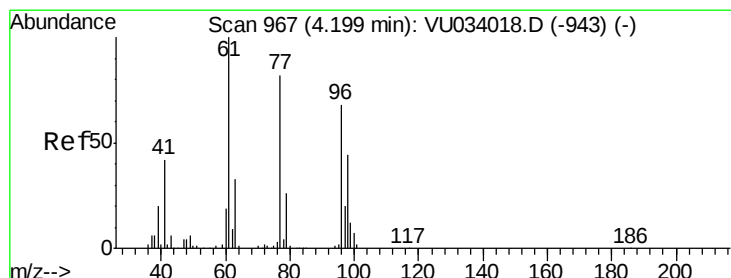
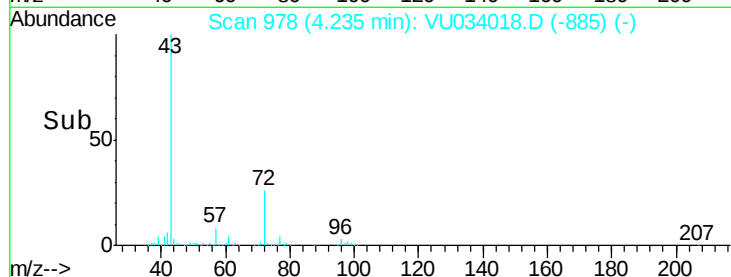
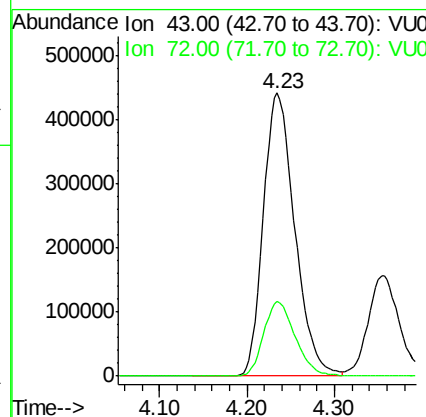
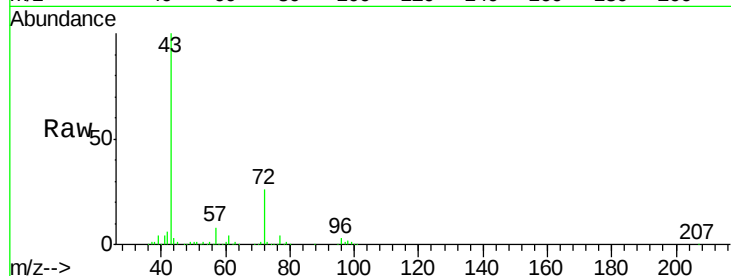
72 26.5 21.2 31.8

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#26

2,2-Dichloropropane

Concen: 57.468 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034018.D

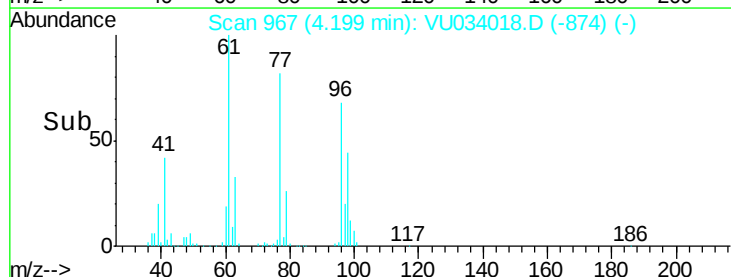
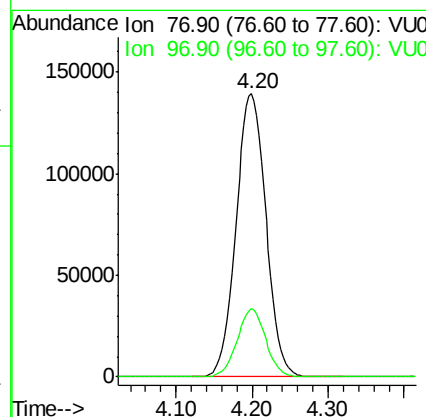
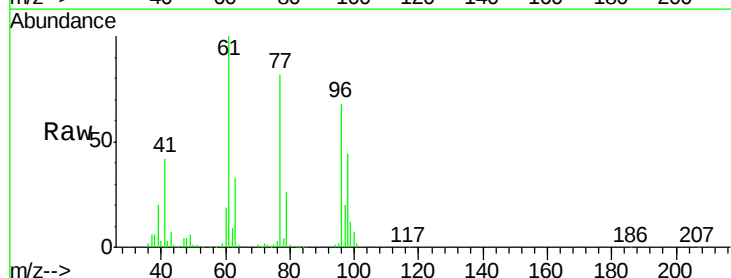
Acq: 28 Aug 2019 12:50

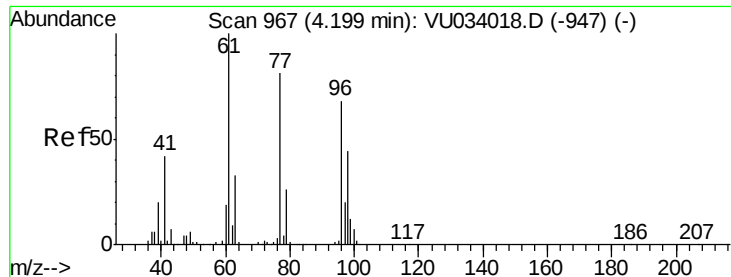
Tgt Ion: 77 Resp: 379722

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7





#27

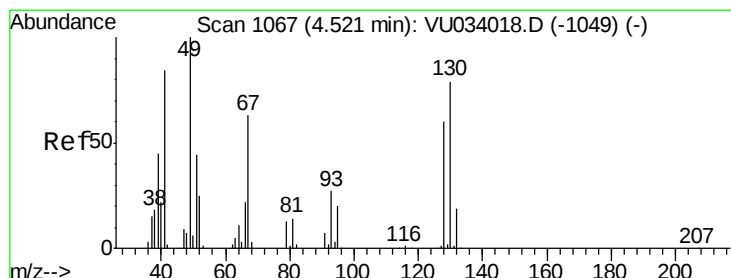
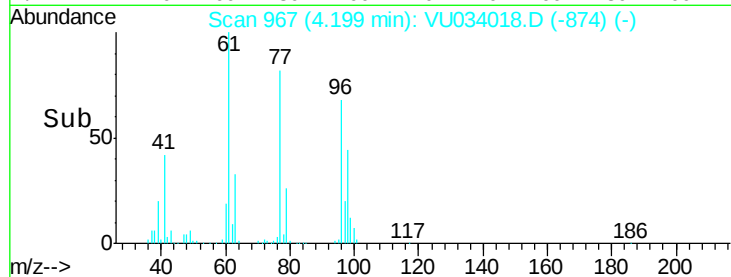
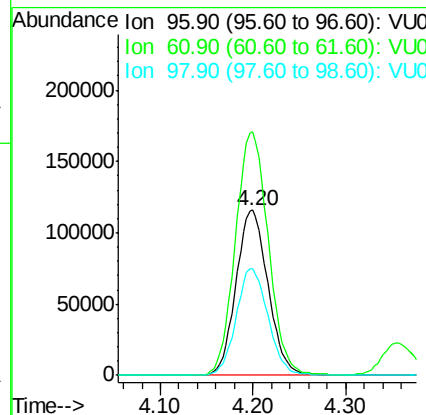
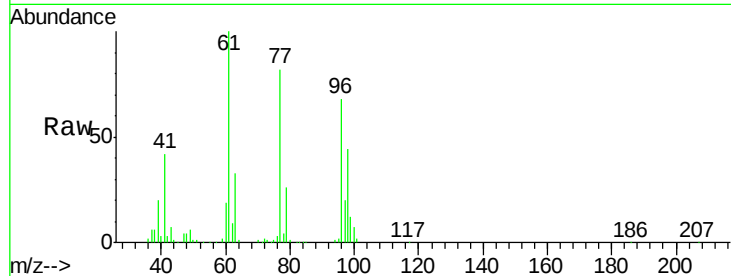
cis-1,2-Dichloroethene
Concen: 56.757 ug/l
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	277532		
61	151.5	0.0	303.0	
98	64.6	0.0	129.2	

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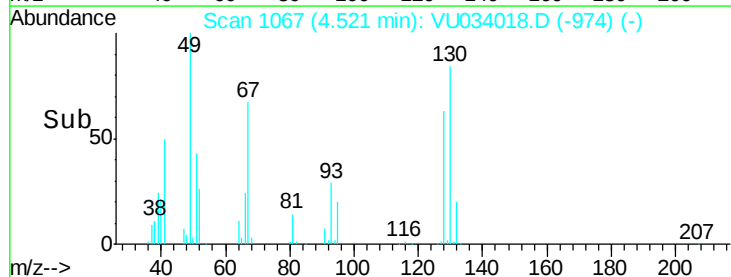
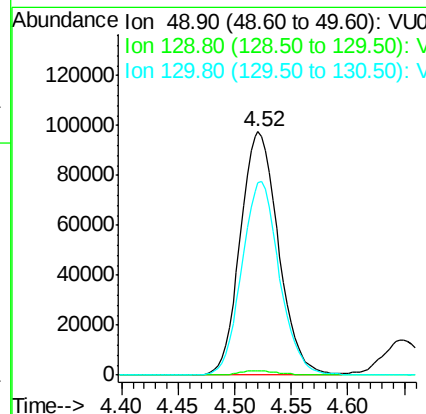
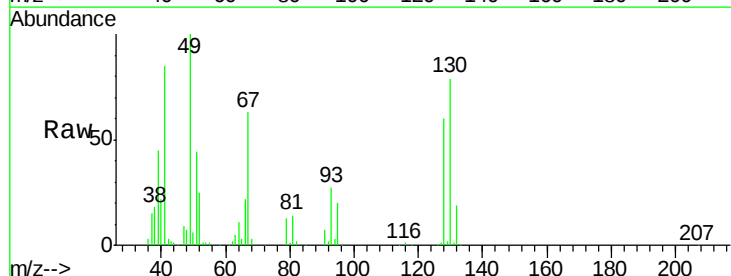
MMDadoda
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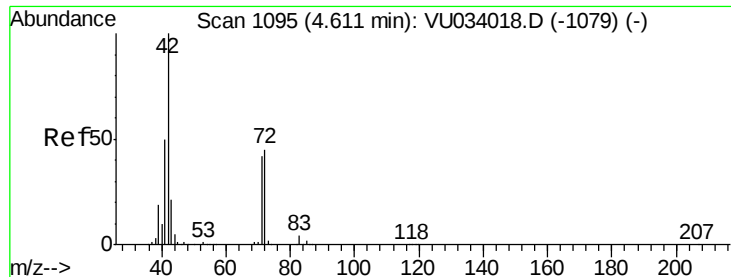


#28

Bromochloromethane
Concen: 62.705 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	228862		
129	1.8	0.0	3.6	
130	78.5	62.8	94.2	





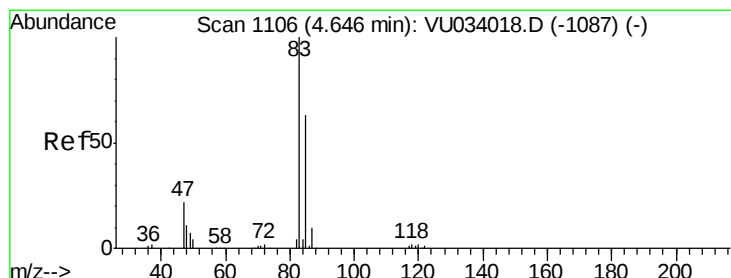
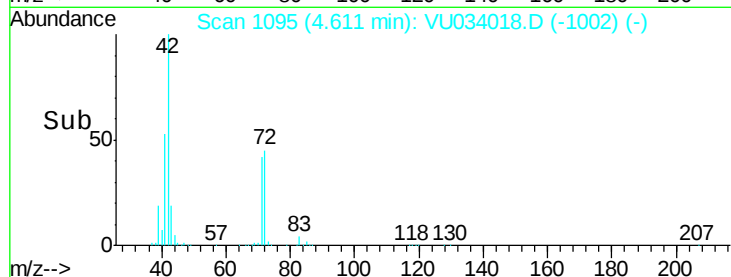
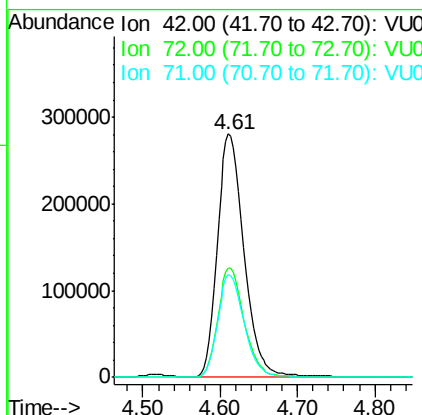
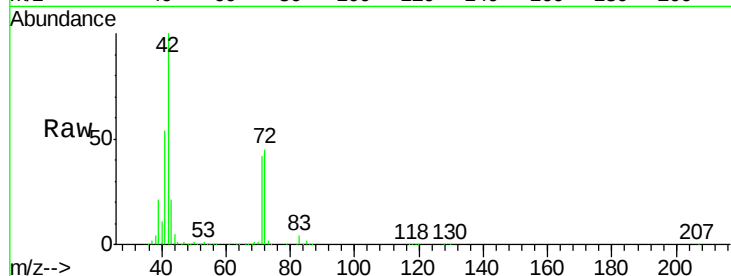
#29
Tetrahydrofuran
Concen: 317.809 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.8	53.6
71	42.5	34.0	51.0

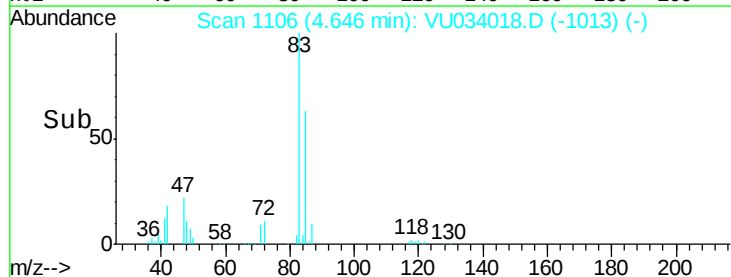
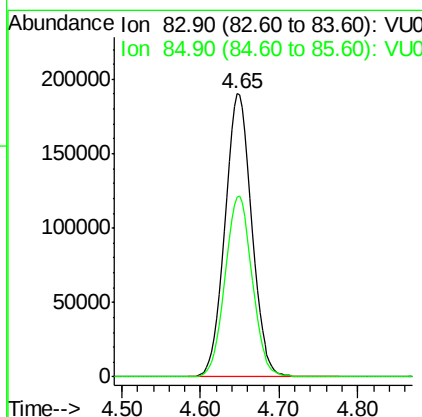
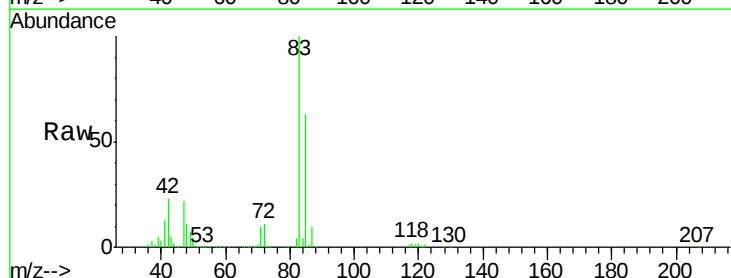
Manual Integrations
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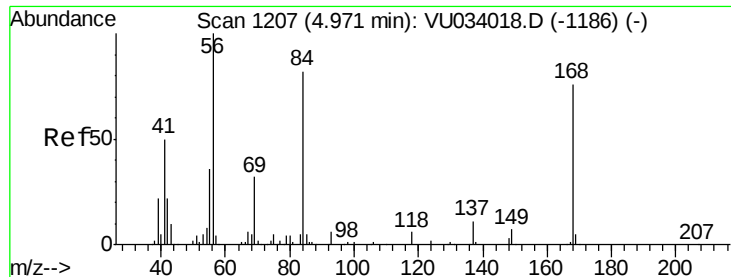
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8/29/2019 8:47:10 AM



#30
Chloroform
Concen: 55.967 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1





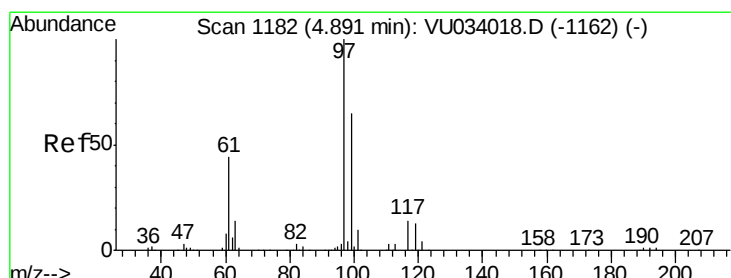
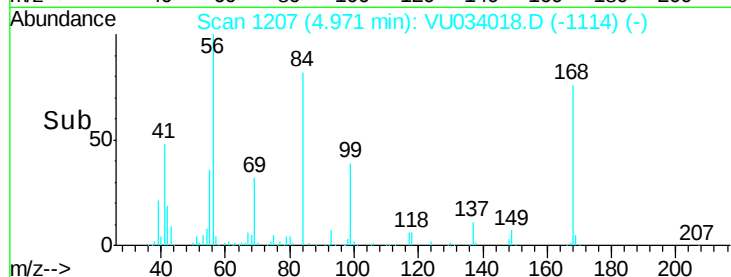
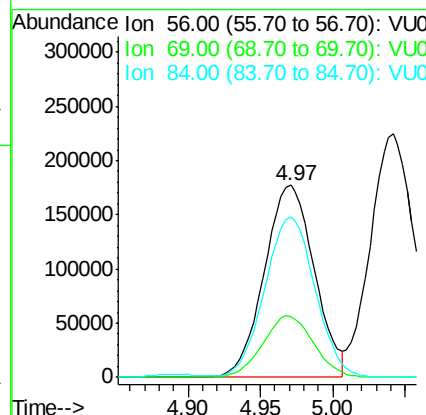
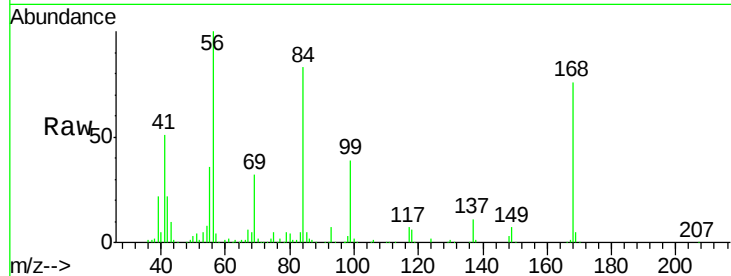
#31
Cyclohexane
Concen: 58.531 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.4	38.0
84	82.3	65.8	98.8

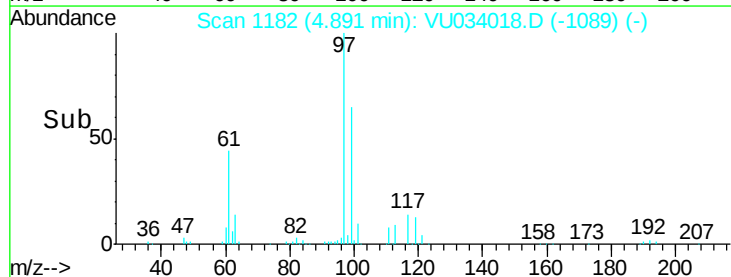
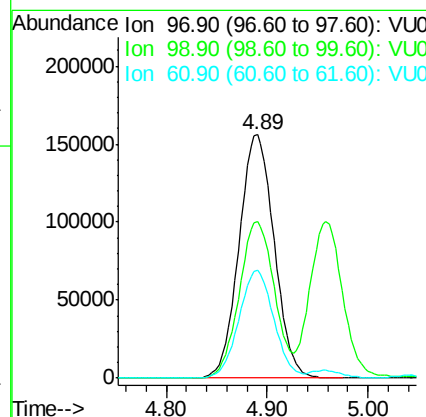
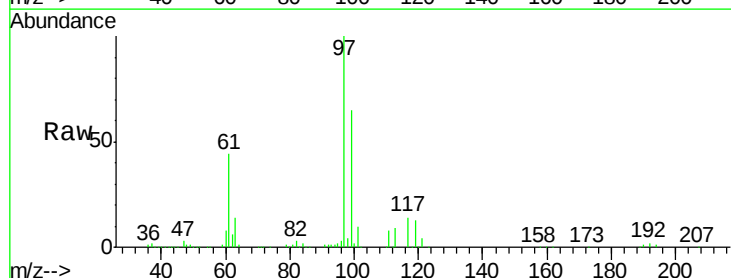
Manual Integrations
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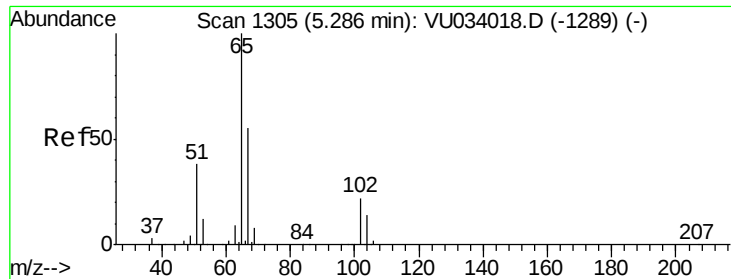
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#32
1,1,1-Trichloroethane
Concen: 56.401 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	44.1	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 58.106 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 284095

Ion Ratio Lower Upper

65 100

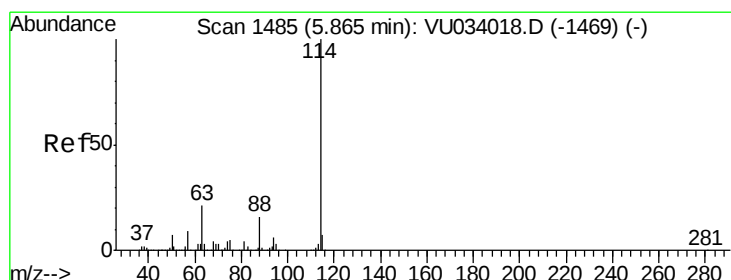
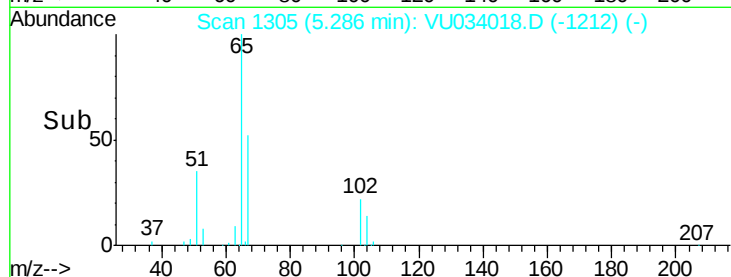
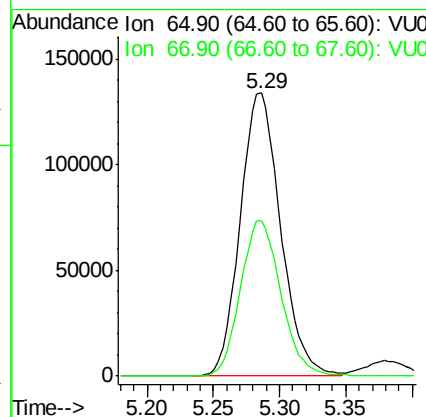
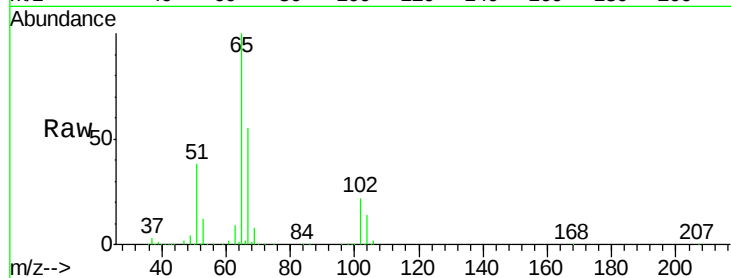
67 55.3 0.0 110.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

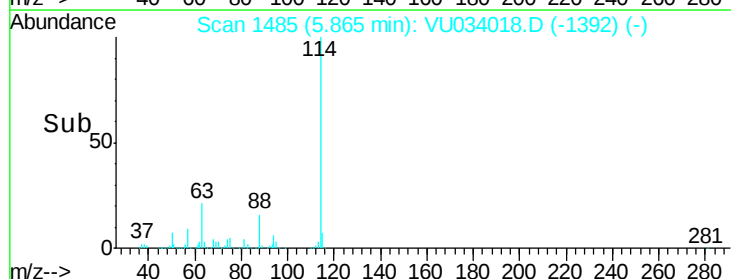
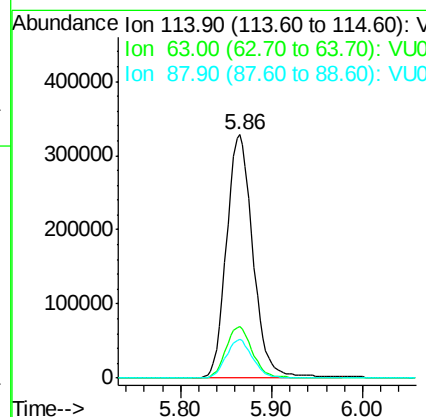
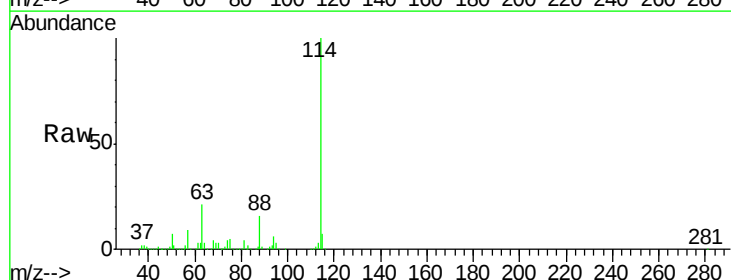
Tgt Ion: 114 Resp: 664968

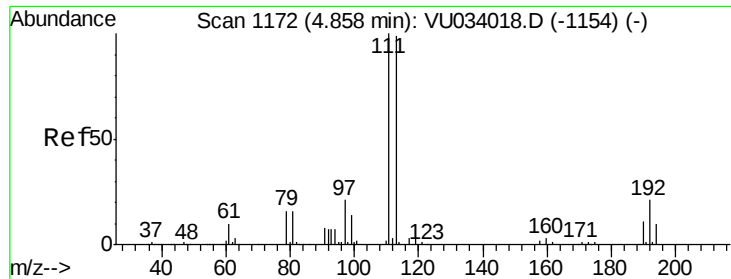
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.0

88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.727 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

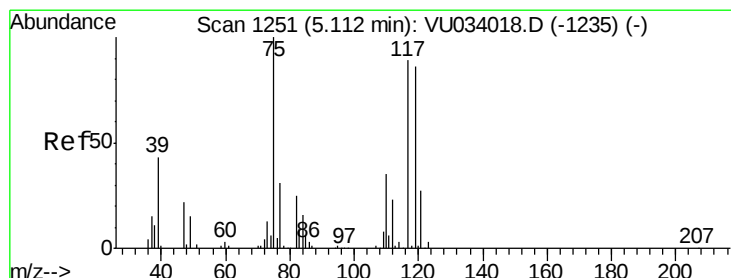
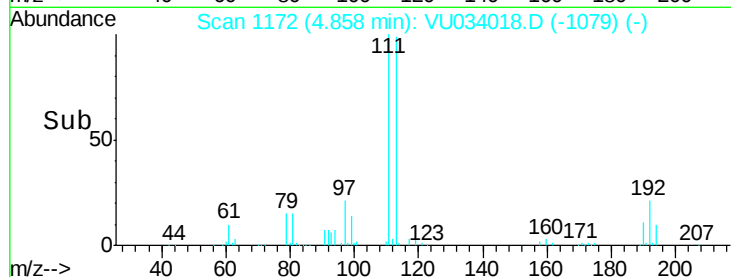
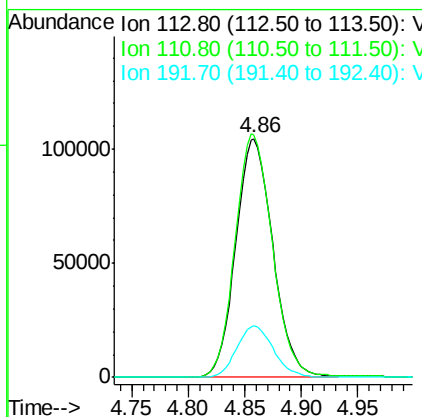
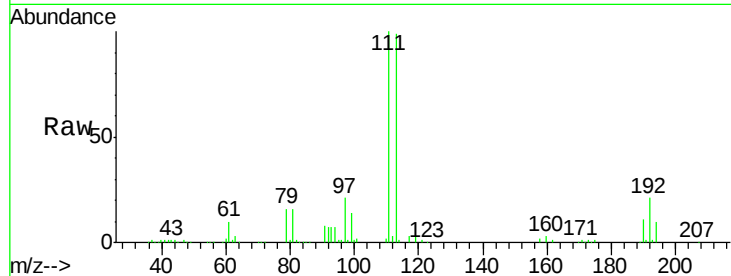
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	239074
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.7	122.5
192	21.4	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 54.136 ug/l

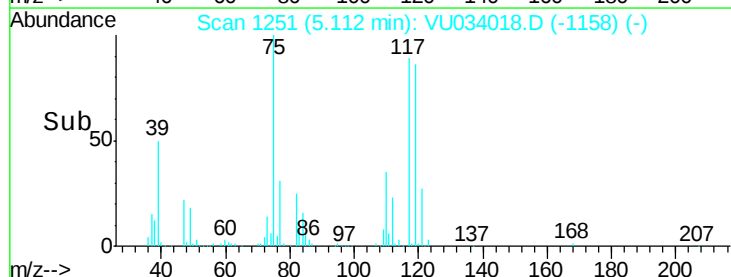
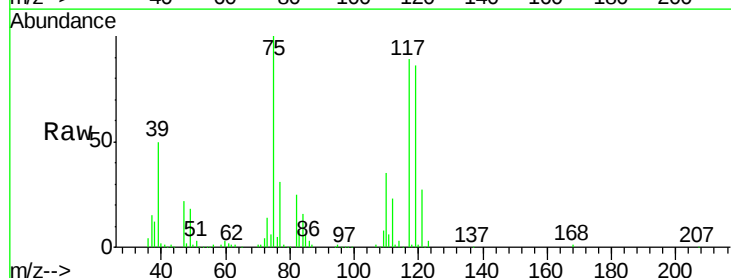
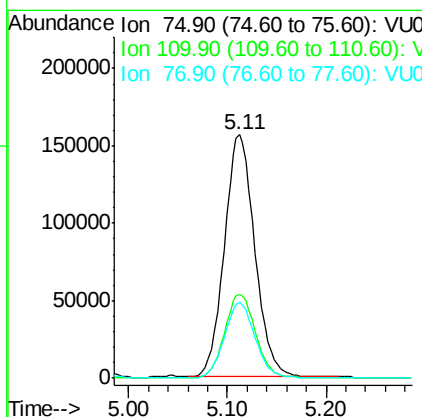
RT: 5.11 min Scan# 1251

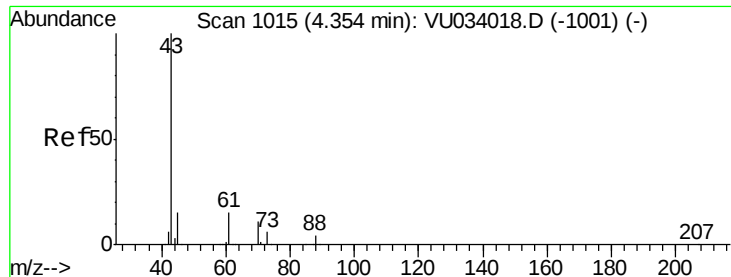
Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Tgt Ion:	75	Resp:	337221
Ion Ratio	Lower	Upper	
75	100		
110	35.7	17.8	53.5
77	31.2	25.0	37.4





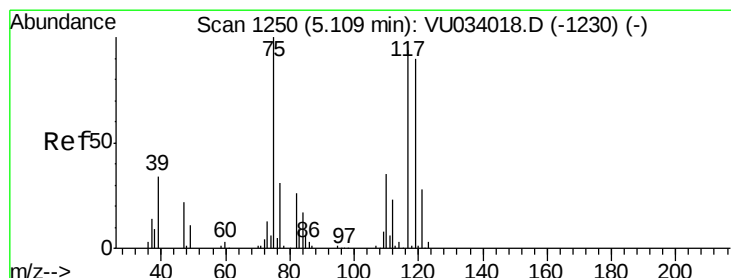
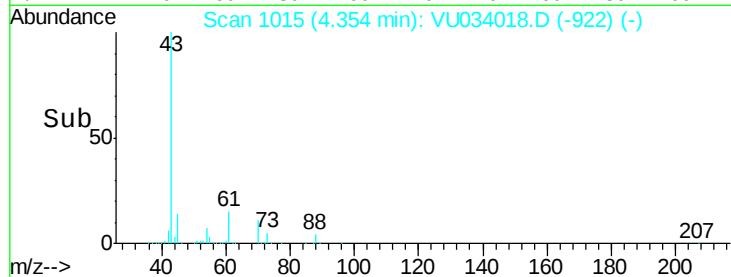
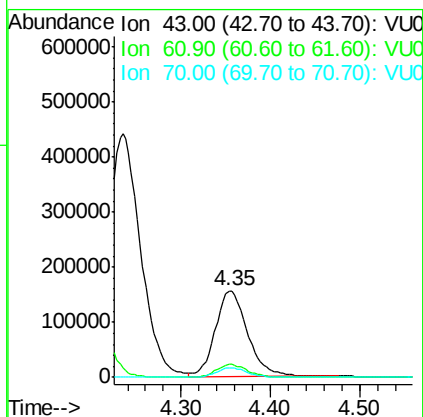
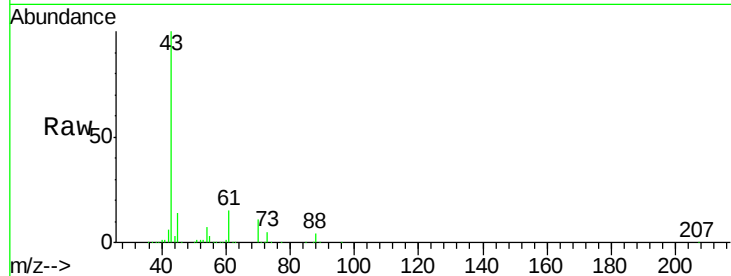
#37
Ethyl Acetate
Concen: 61.438 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	10.7	8.6	12.8

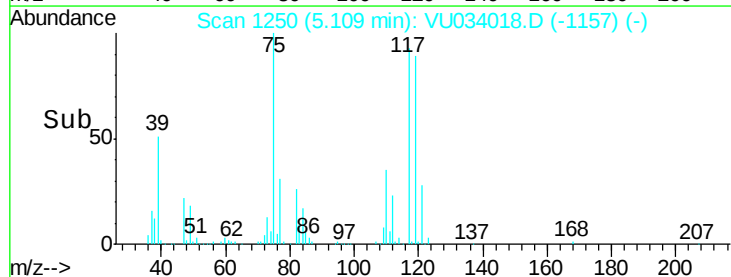
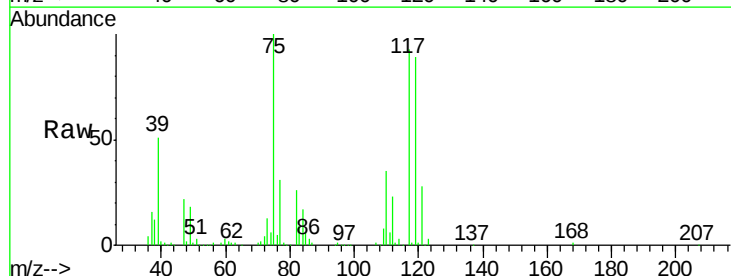
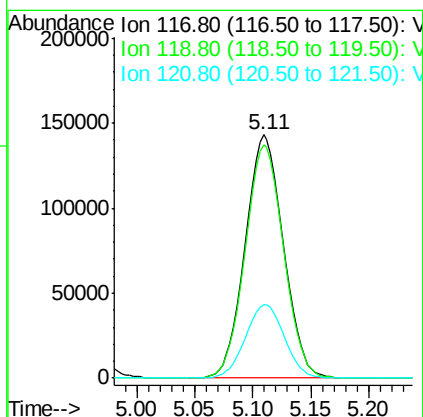
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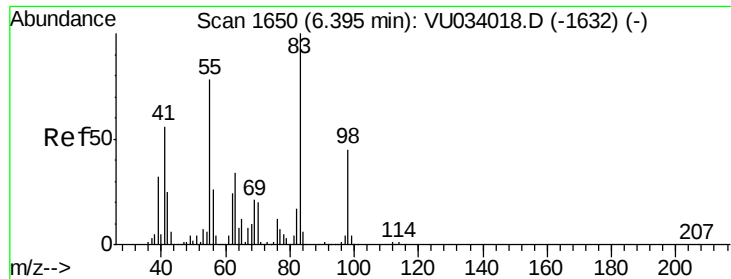
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#38
Carbon Tetrachloride
Concen: 52.087 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
121	29.9	23.9	35.9





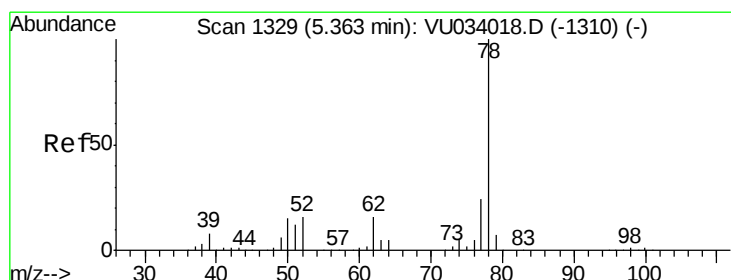
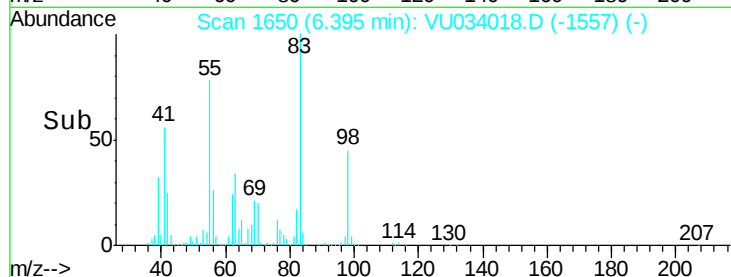
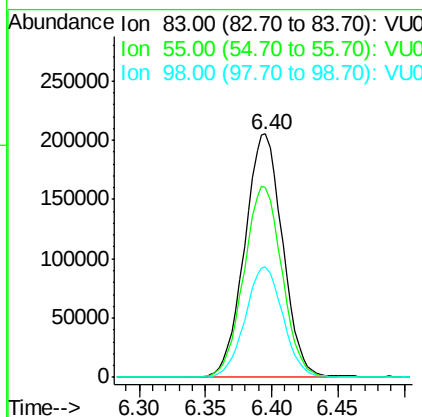
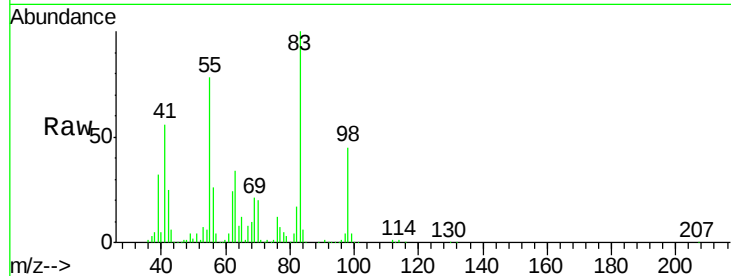
#39
Methvlcvclohexane
Concen: 55.634 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	62.3	93.5
98	45.2	36.2	54.2

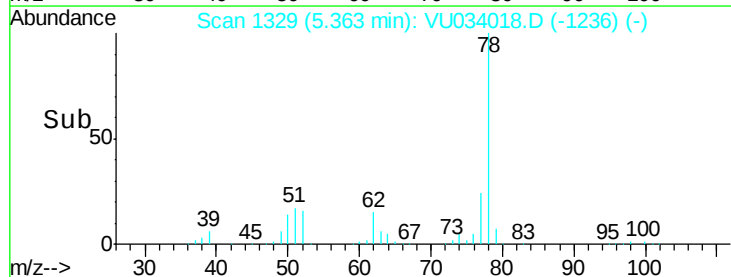
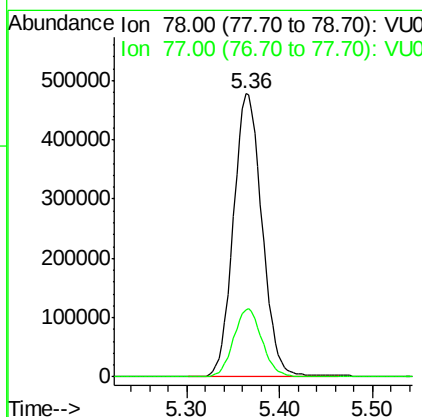
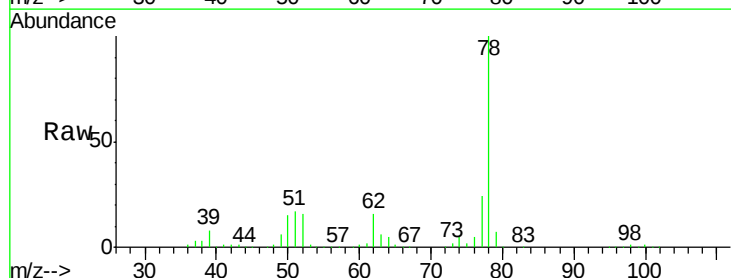
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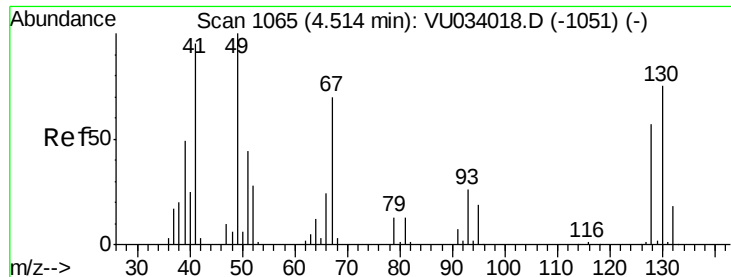
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#40
Benzene
Concen: 55.272 ug/l
RT: 5.36 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





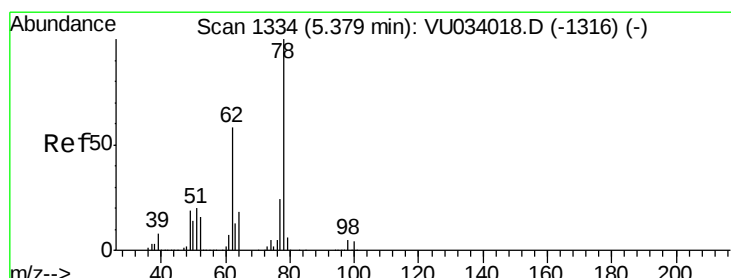
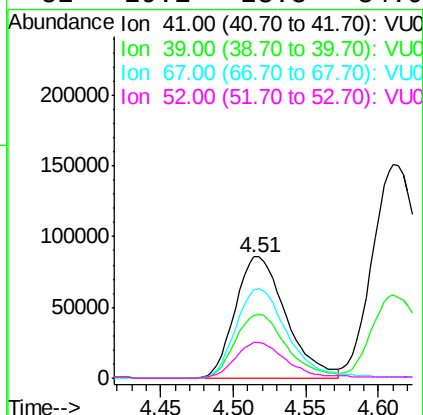
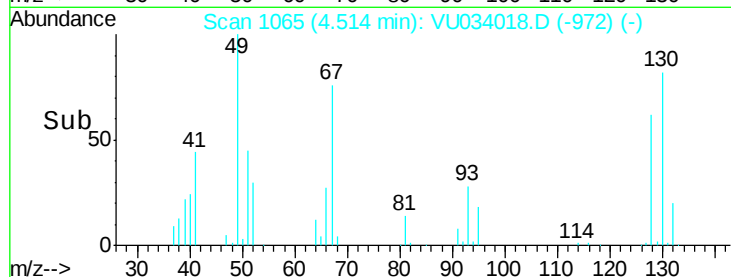
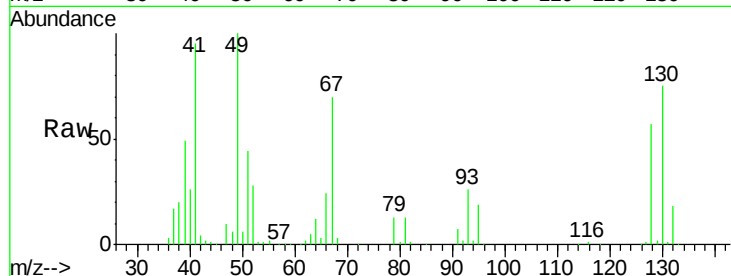
#41
Methacrylonitrile
Concen: 62.862 ug/l
RT: 4.51 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	42.1	63.1	
67	76.2	61.0	91.4	
52	29.1	23.3	34.9	

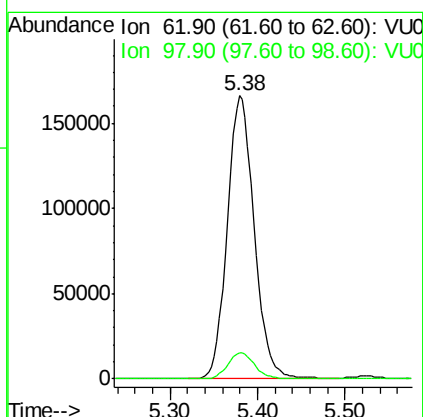
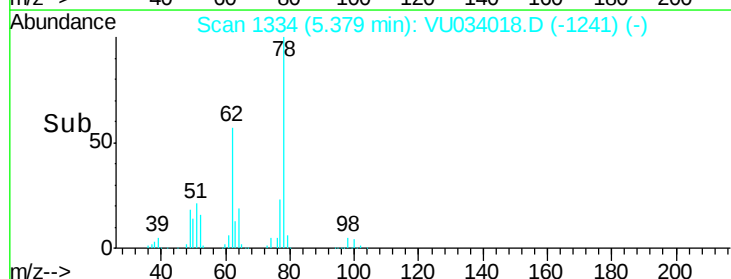
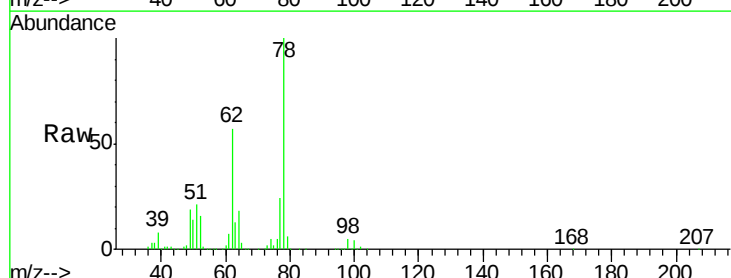
Manual Integrations
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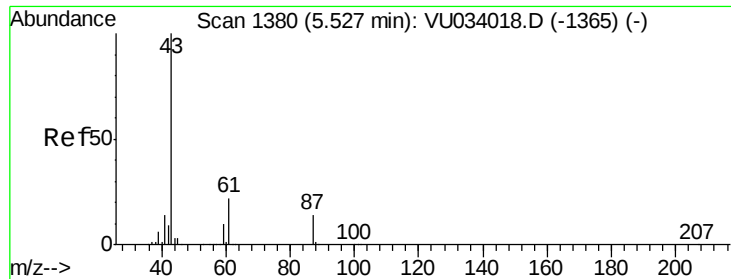
MMDadoda
8/29/2019 8:47:10 AM



#42
1,2-Dichloroethane
Concen: 56.412 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	18.2	





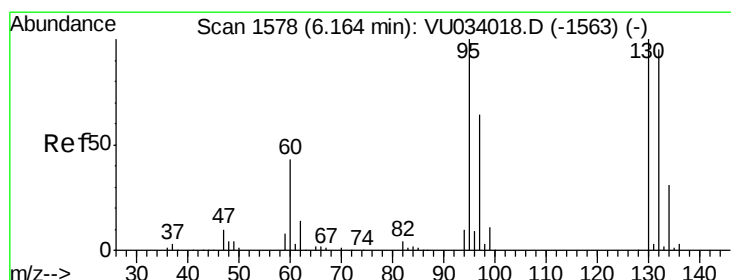
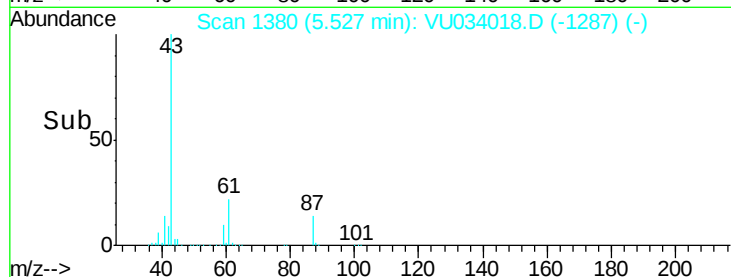
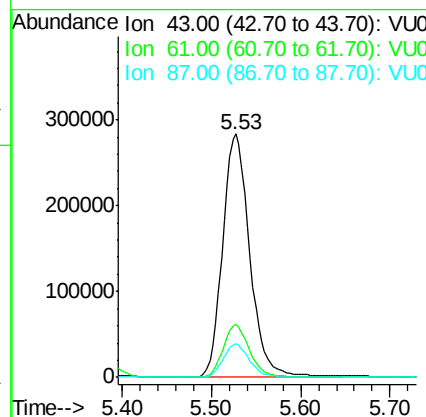
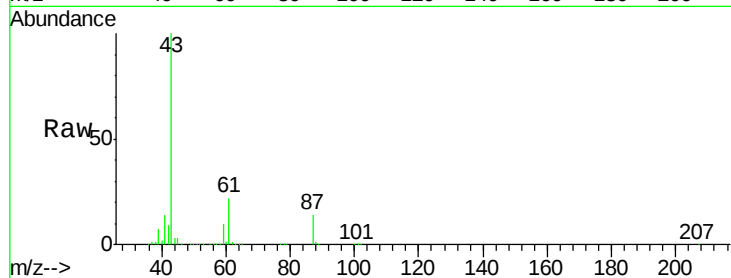
#43
Isopropyl Acetate
Concen: 60.583 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	591643
Ion Ratio	100	Lower	Upper
43	100		
61	21.5	17.2	25.8
87	13.5	10.8	16.2

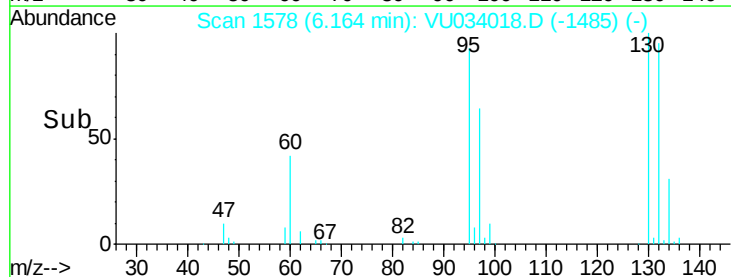
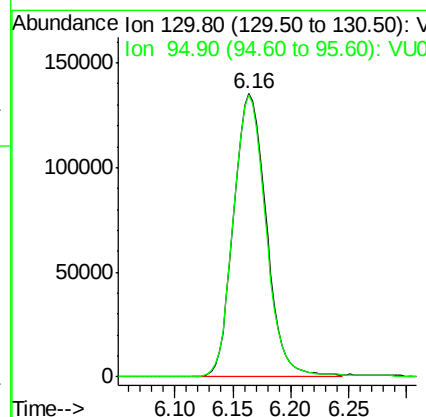
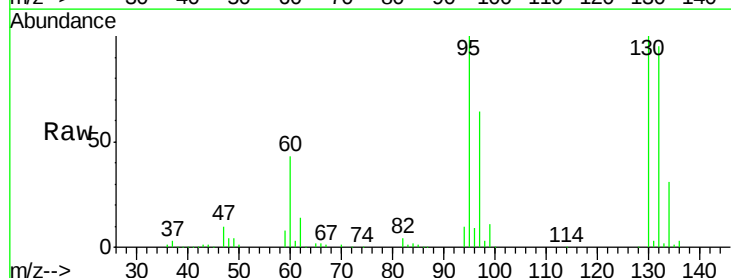
Manual Integrations
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#44
Trichloroethene
Concen: 50.794 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion	130	Resp	264267
Ion Ratio	100	Lower	Upper
130	100		
95	99.8	0.0	199.6





#45

1,2-Dichloropropane

Concen: 57.468 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 287299

Ion Ratio Lower Upper

63 100

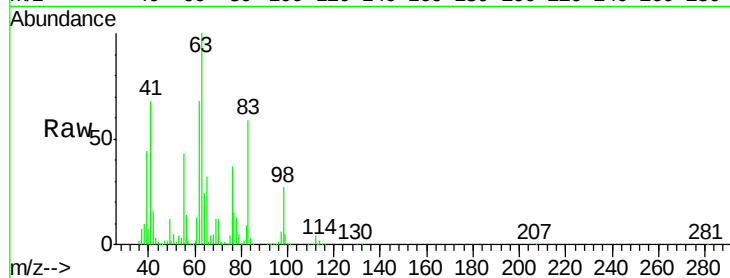
65 31.8 25.4 38.2

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Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-1637) (-)

Ion 64.90 (64.60 to 65.60): VU034018.D (-1637) (-)

6.41

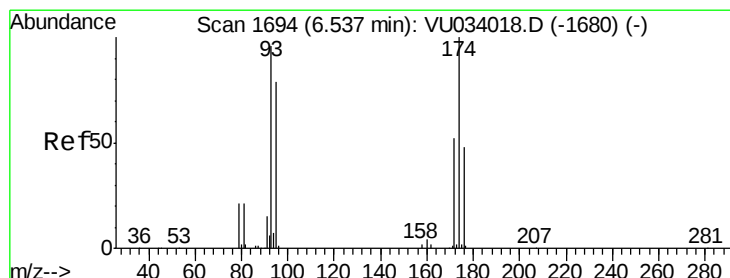
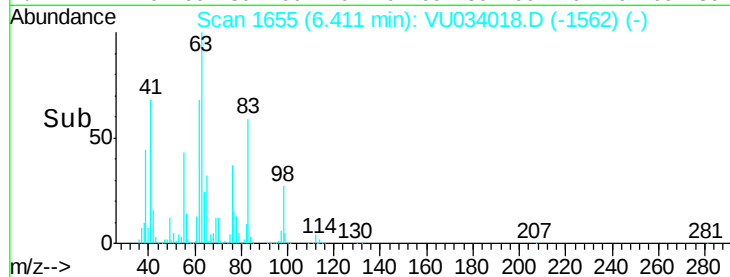
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 54.199 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

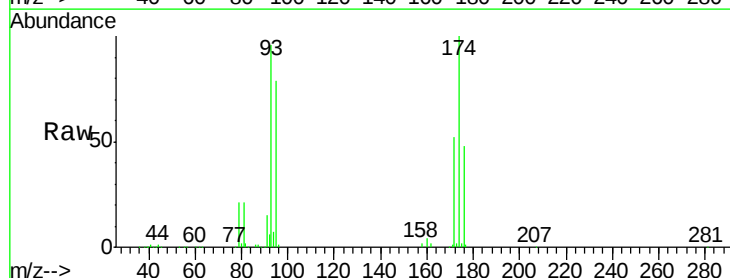
Tgt Ion: 93 Resp: 182062

Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

174 106.1 84.9 127.3



Abundance Ion 92.80 (92.50 to 93.50): VU034018.D (-1680) (-)

Ion 94.80 (94.50 to 95.50): VU034018.D (-1680) (-)

Ion 173.70 (173.40 to 174.40): VU034018.D (-1680) (-)

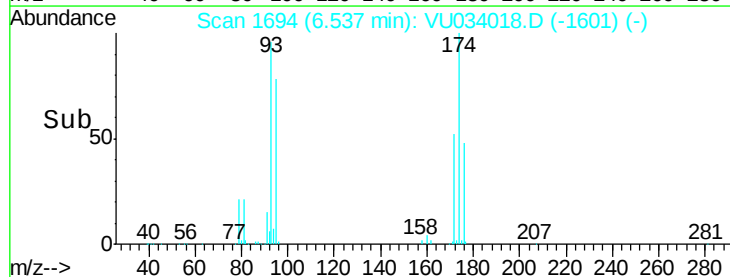
6.54

100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 55.417 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

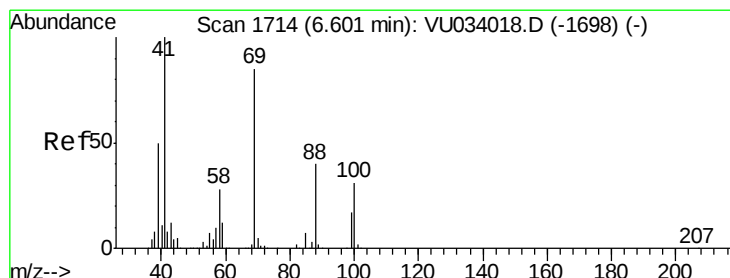
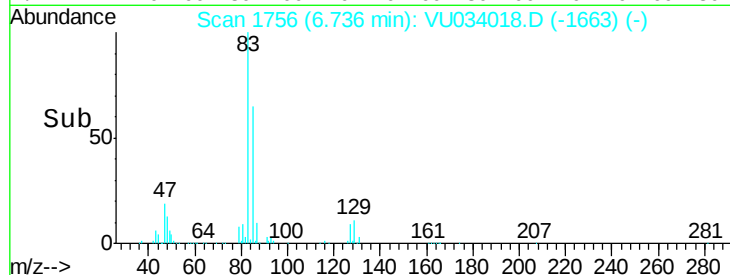
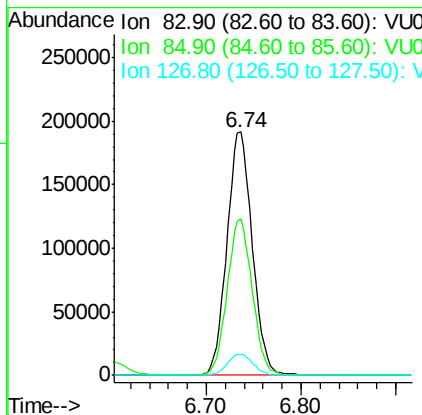
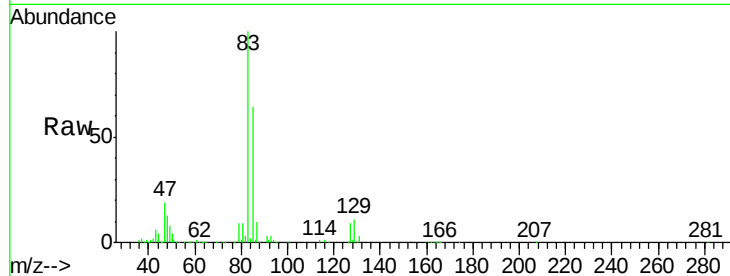
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	355775
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8
127	8.8	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 62.898 ug/l

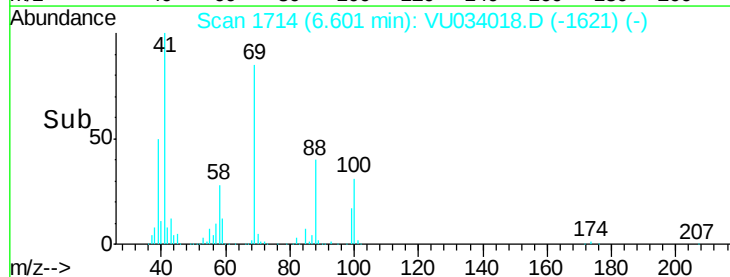
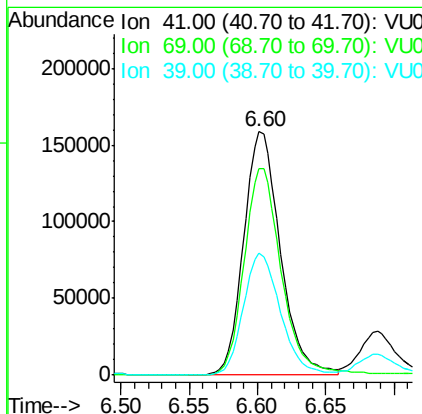
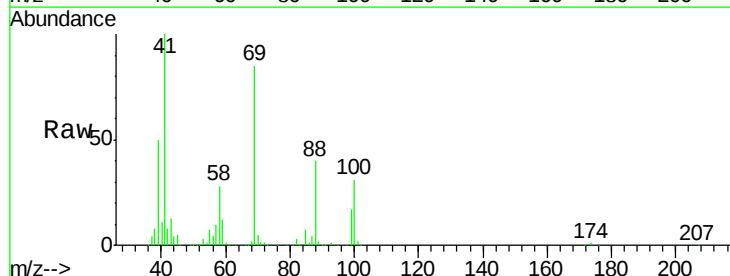
RT: 6.60 min Scan# 1714

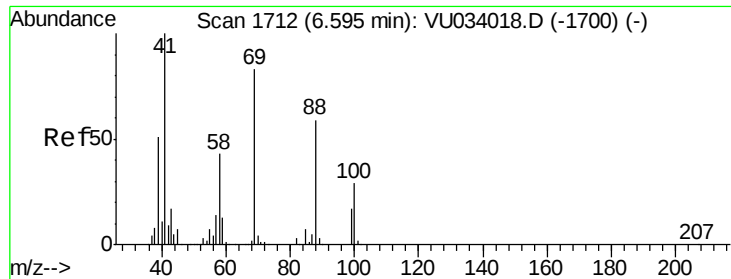
Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Tgt Ion:	41	Resp:	294972
Ion	Ratio	Lower	Upper
41	100		
69	86.9	69.5	104.3
39	50.4	40.3	60.5





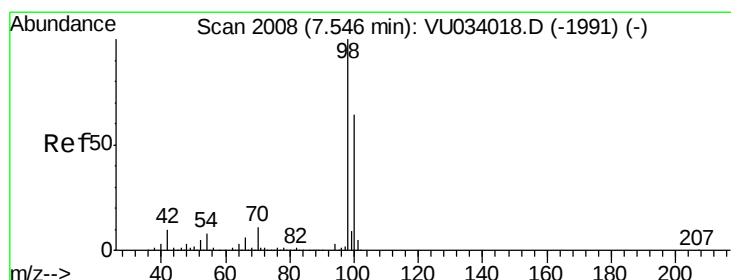
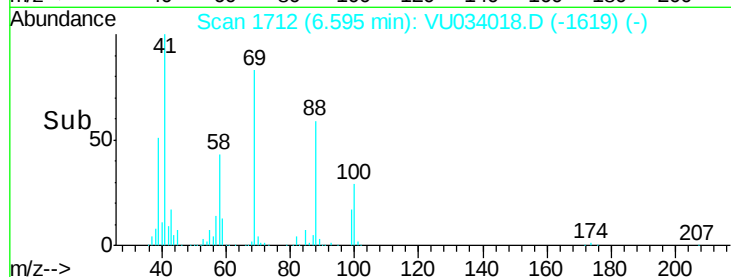
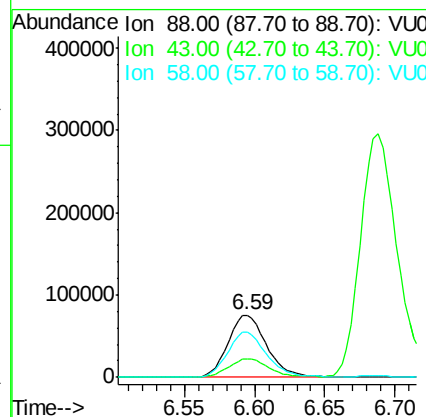
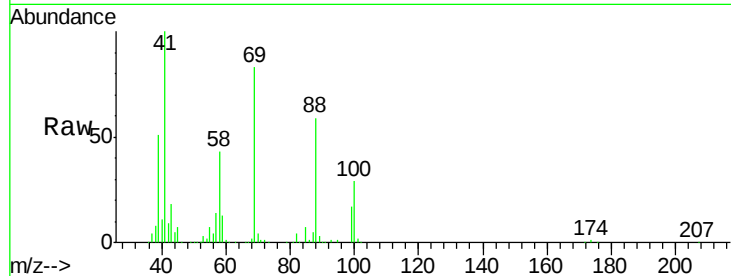
#49
1,4-Dioxane
Concen: 1154.674 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.0	24.8	37.2	
58	74.1	59.3	88.9	

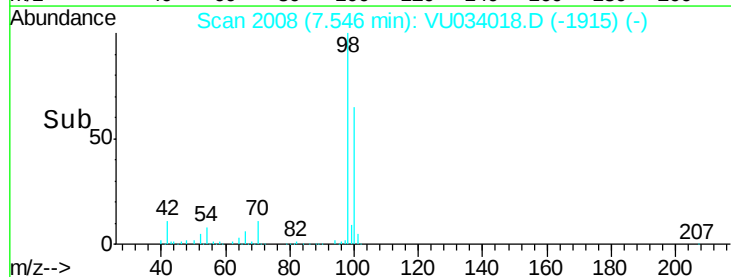
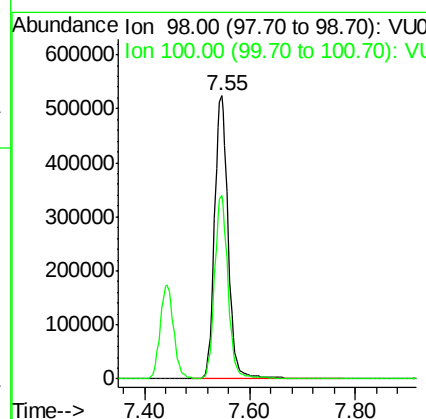
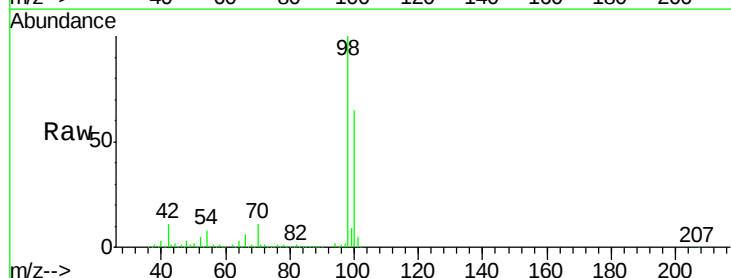
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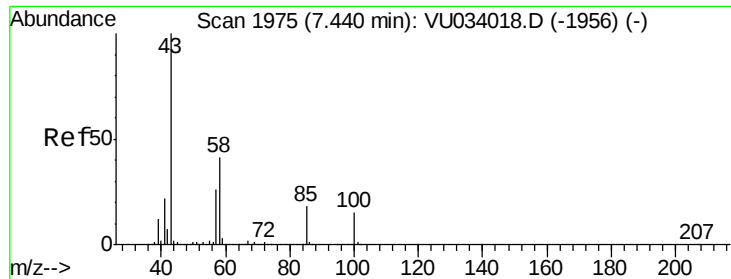
MMDadoda
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#50
Toluene-d8
Concen: 55.672 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	62.9	50.3	75.5	





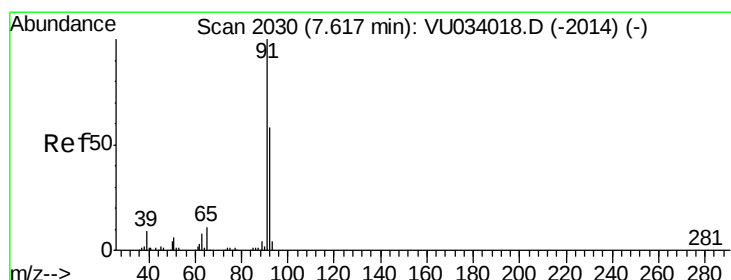
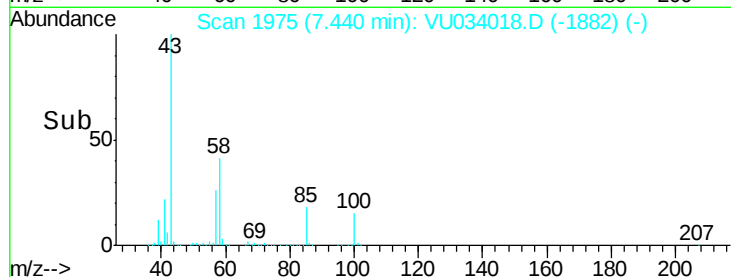
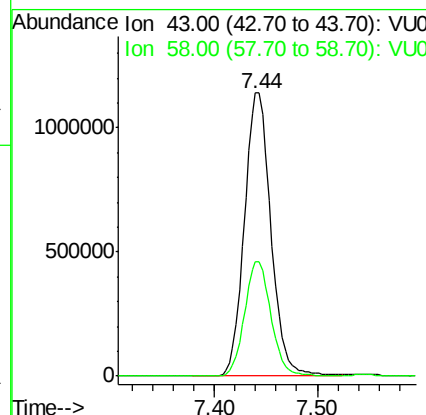
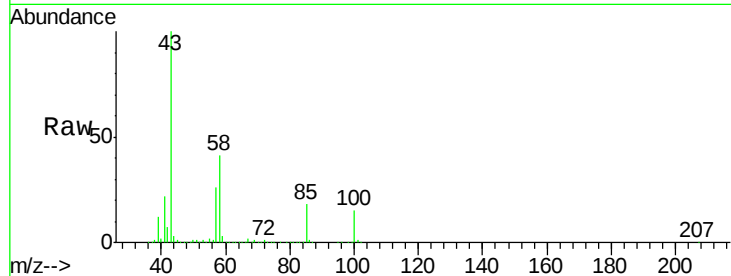
#51
4-Methyl-2-Pentanone
Concen: 302.104 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 2042620
Ion Ratio Lower Upper
43 100
58 40.3 32.2 48.4

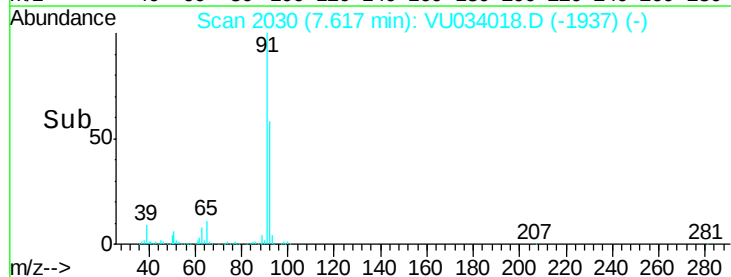
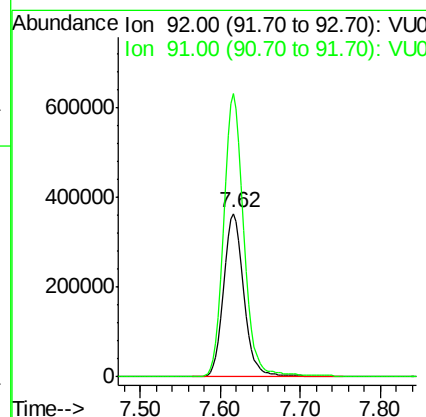
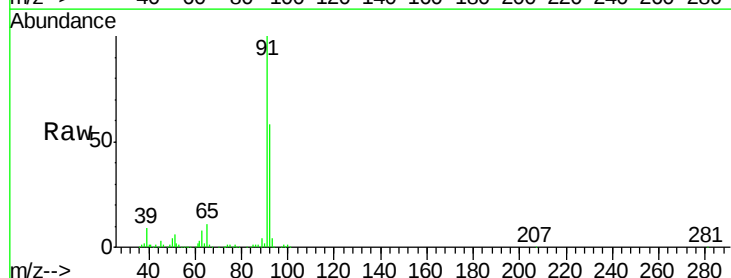
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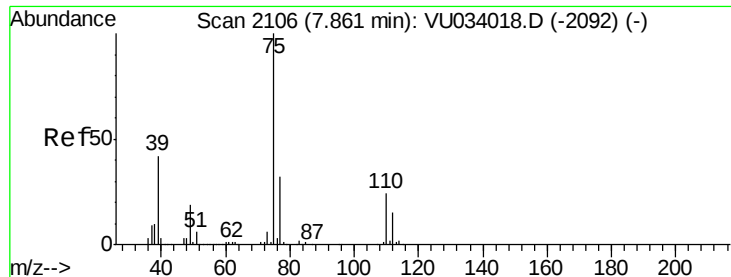
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#52
Toluene
Concen: 55.301 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion: 92 Resp: 645657
Ion Ratio Lower Upper
92 100
91 172.9 138.3 207.5





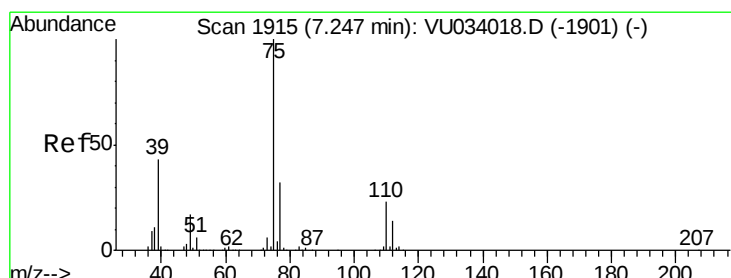
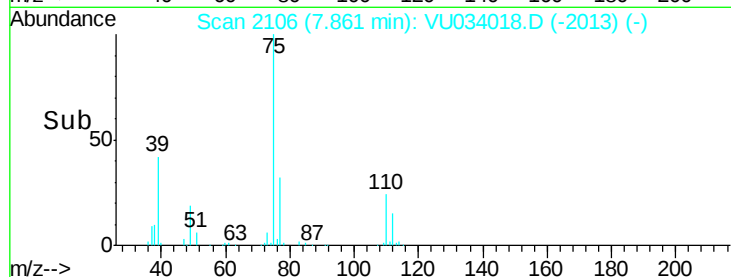
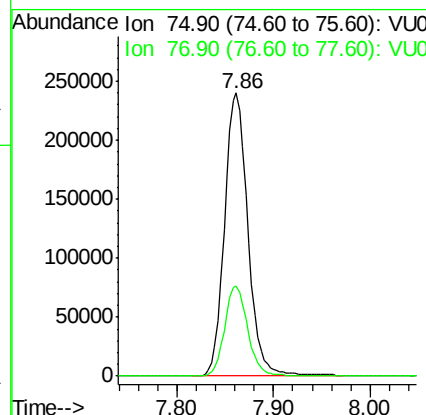
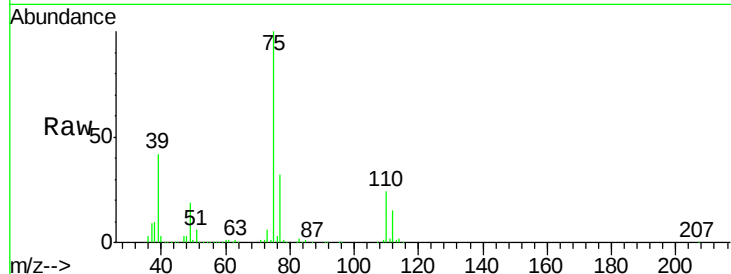
#53
t-1,3-Dichloropropene
Concen: 56.408 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

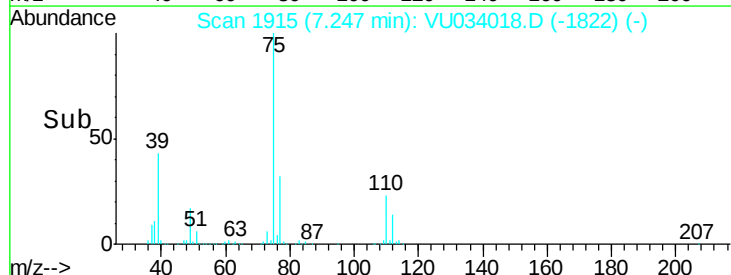
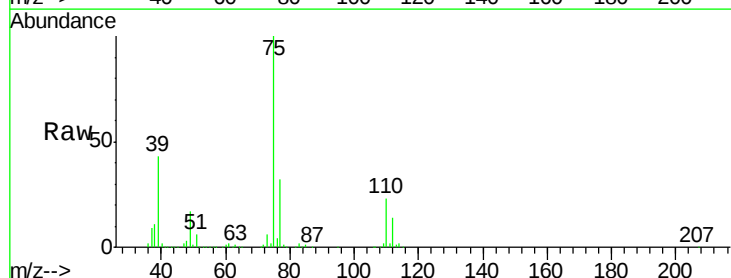
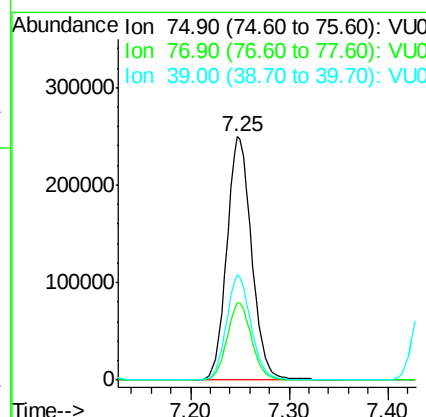
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#54
cis-1,3-Dichloropropene
Concen: 57.269 ug/l
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8
39	43.2	34.6	51.8





#55

1,1,2-Trichloroethane

Concen: 53.864 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

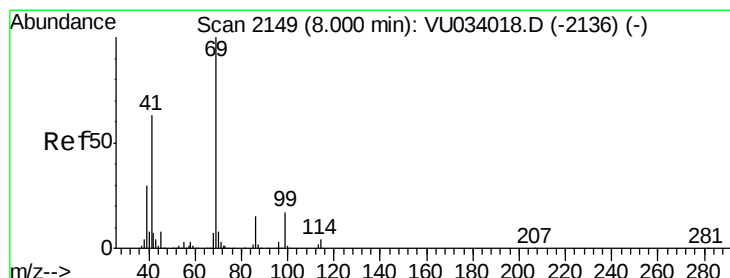
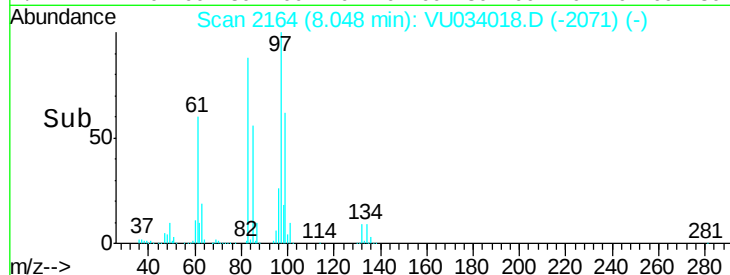
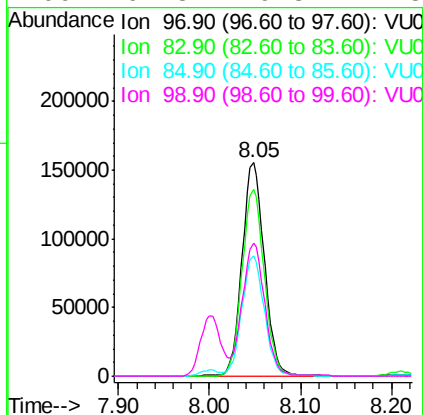
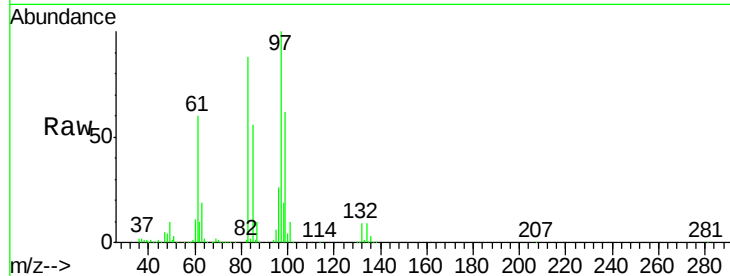
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	267019
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.1	105.1
85	56.2	45.0	67.4
99	62.3	49.8	74.8

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#56

Ethyl methacrylate

Concen: 59.128 ug/l

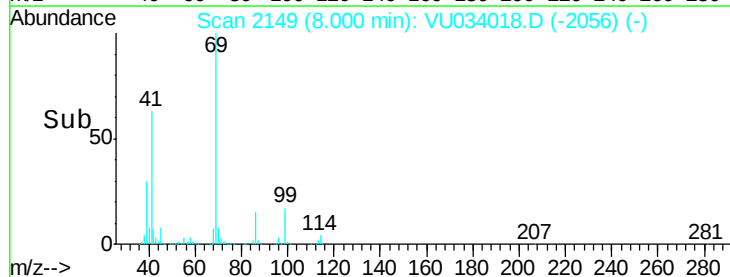
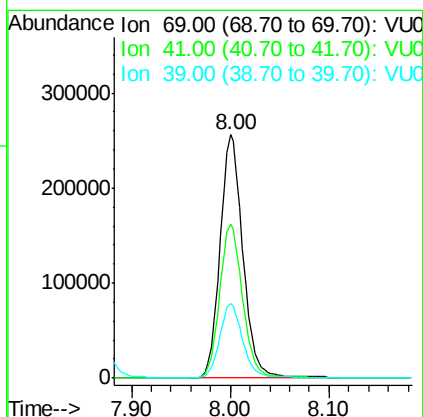
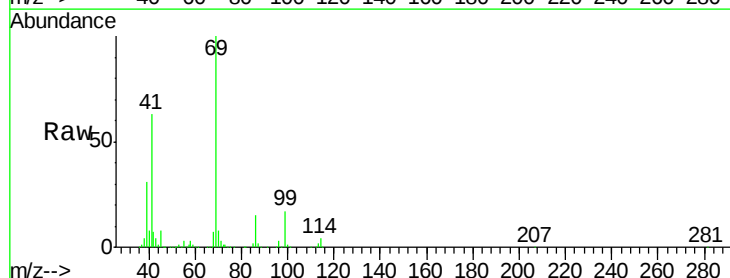
RT: 8.00 min Scan# 2149

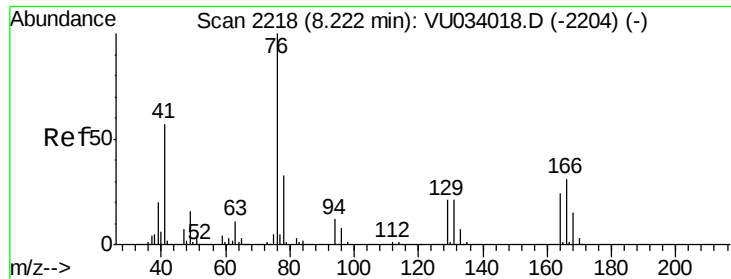
Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Tgt Ion:	69	Resp:	417651
Ion	Ratio	Lower	Upper
69	100		
41	63.4	50.7	76.1
39	30.2	24.2	36.2





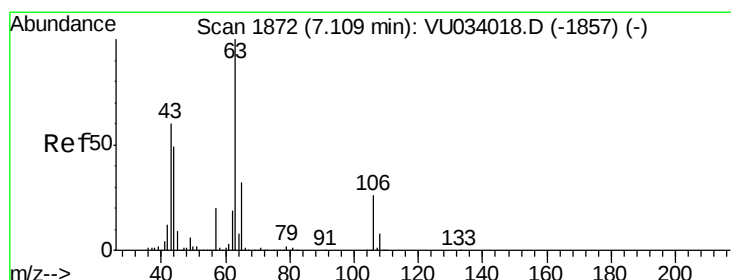
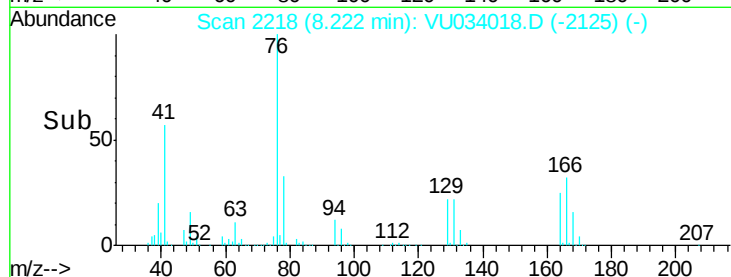
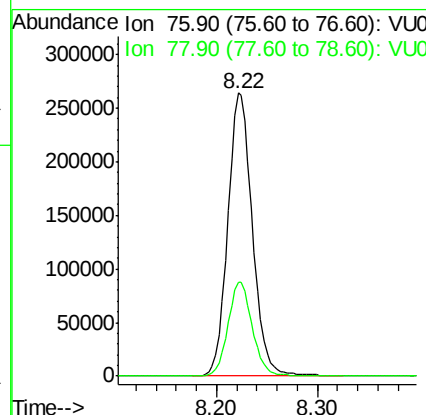
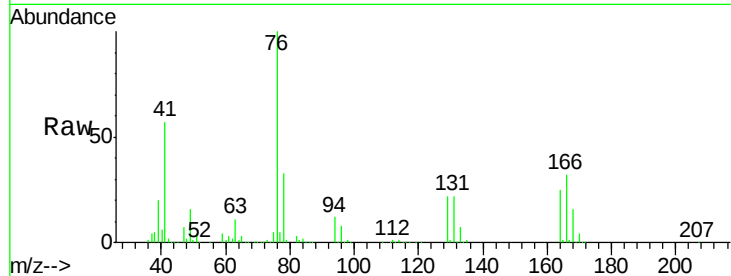
#57
 1,3-Dichloropropane
 Concen: 55.893 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034018.D
 Acq: 28 Aug 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 450653
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.4

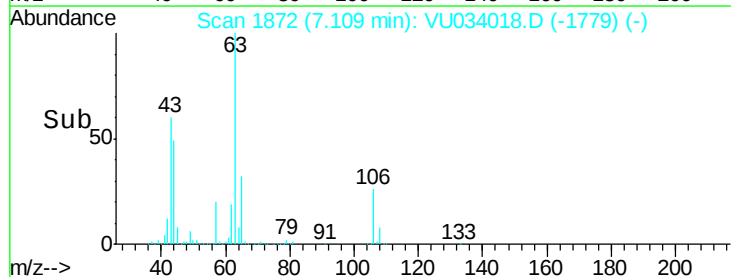
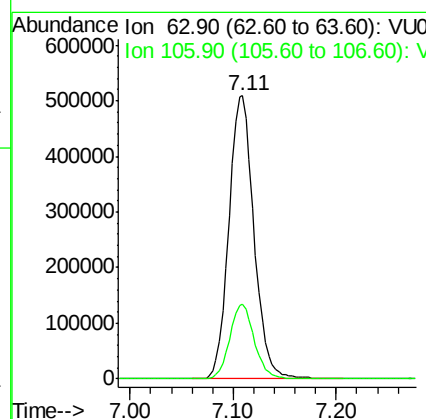
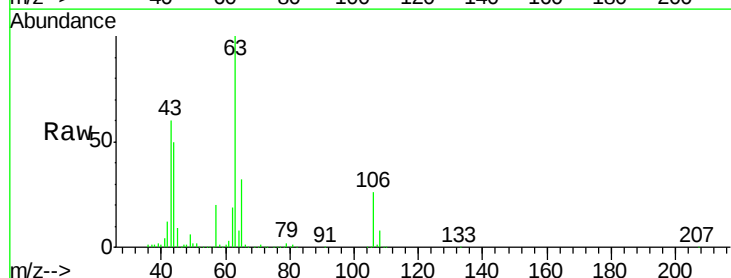
Manual Integrations
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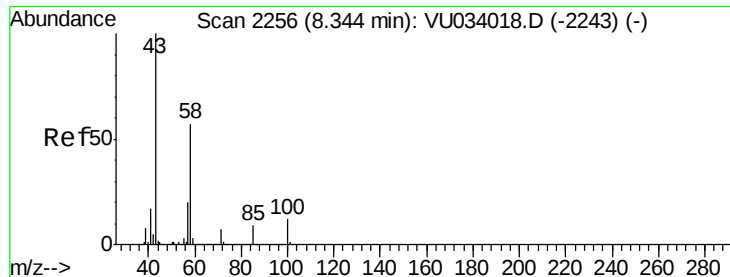
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#58
 2-Chloroethyl Vinyl ether
 Concen: 331.143 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034018.D
 Acq: 28 Aug 2019 12:50

Tgt Ion: 63 Resp: 860397
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.7 31.1





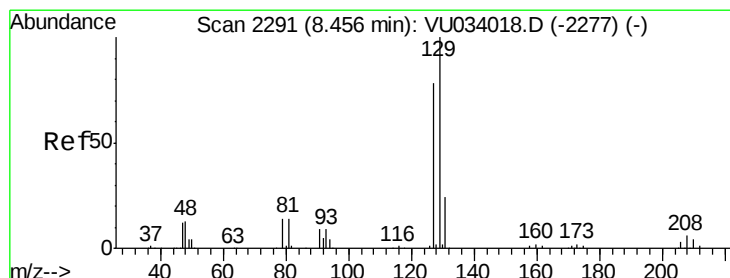
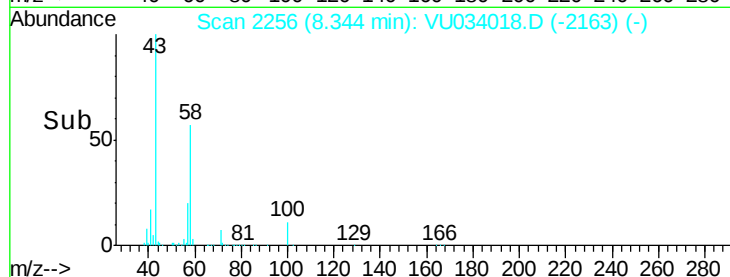
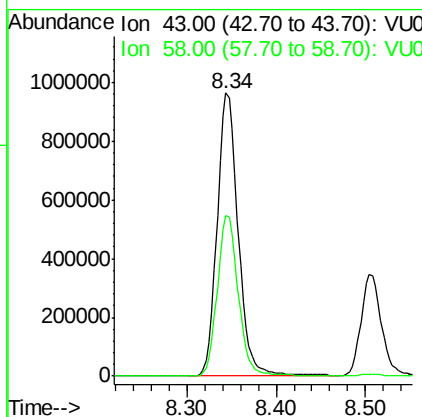
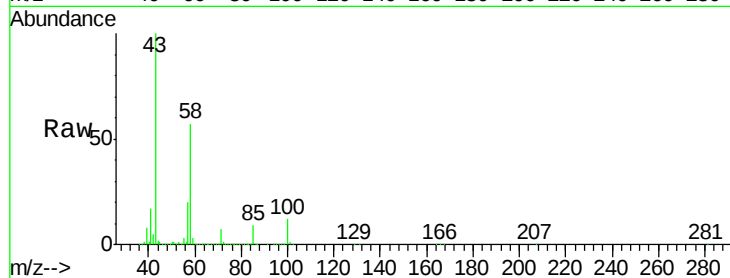
#59
2-Hexanone
Concen: 303.690 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1576867
Ion Ratio Lower Upper
43 100
58 56.9 28.4 85.3

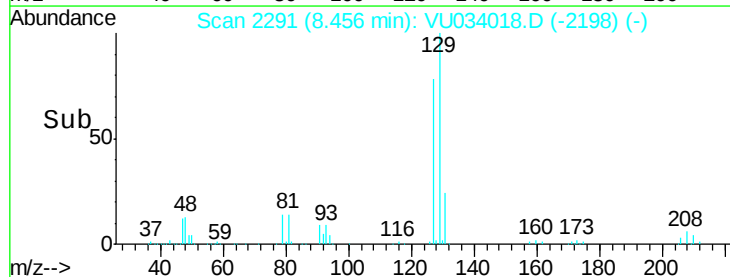
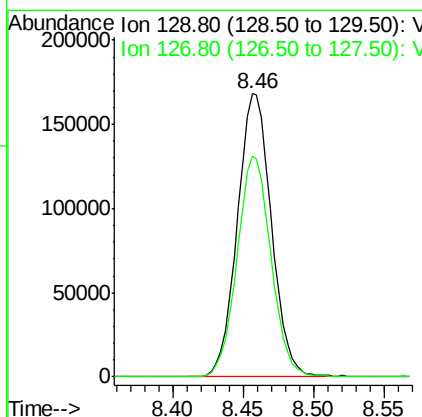
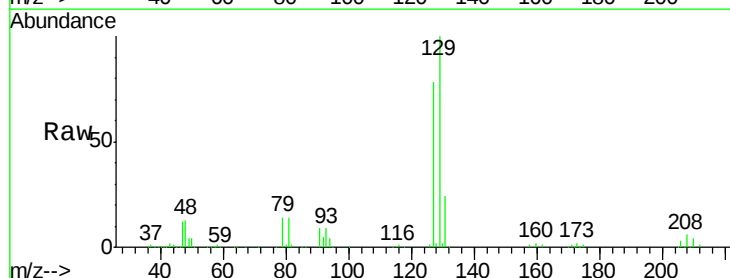
Manual Integrations
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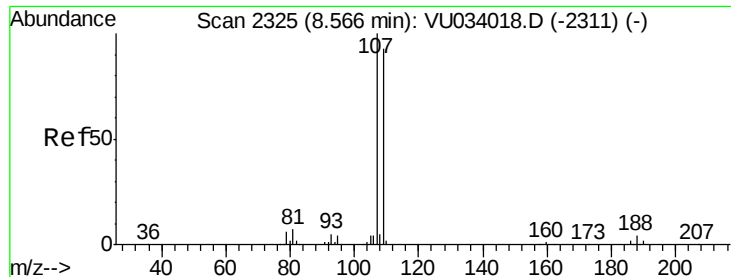
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8/29/2019 8:47:10 AM



#60
Dibromochloromethane
Concen: 51.748 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion: 129 Resp: 285180
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9





#61

1,2-Dibromoethane

Concen: 53.706 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 279360

Ion Ratio Lower Upper

107 100

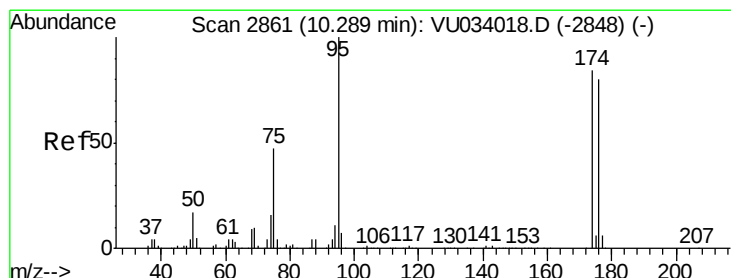
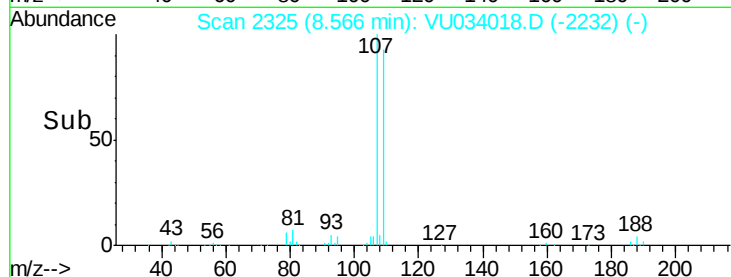
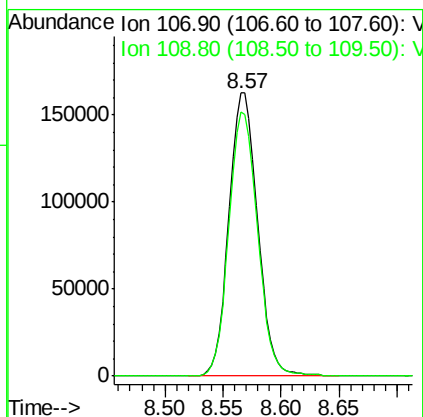
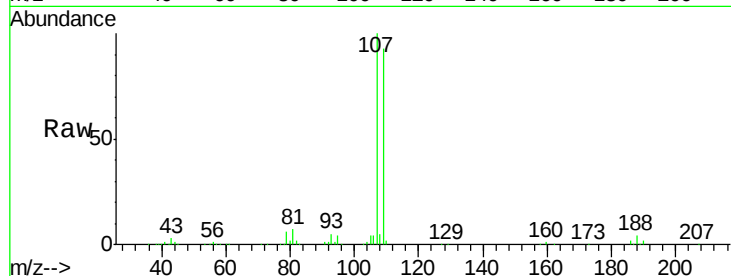
109 94.0 75.2 112.8

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#62

4-Bromofluorobenzene

Concen: 52.999 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

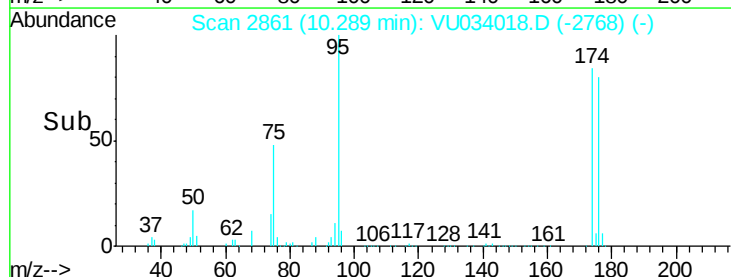
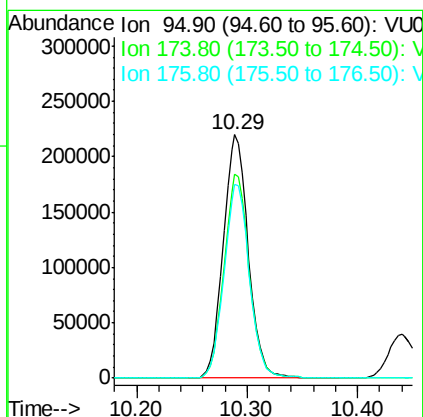
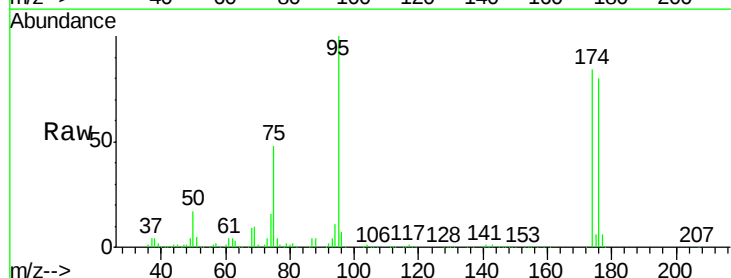
Tgt Ion: 95 Resp: 345667

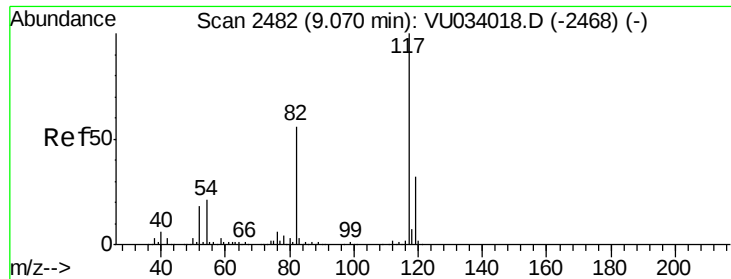
Ion Ratio Lower Upper

95 100

174 84.4 0.0 168.8

176 80.9 0.0 161.8





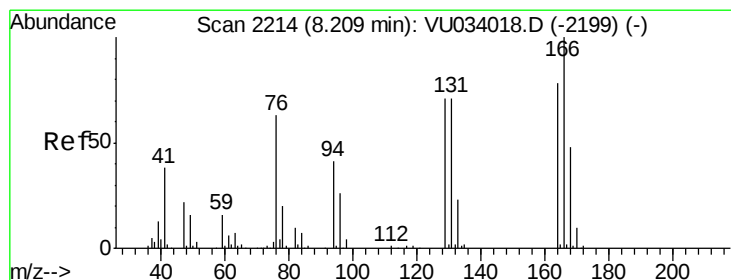
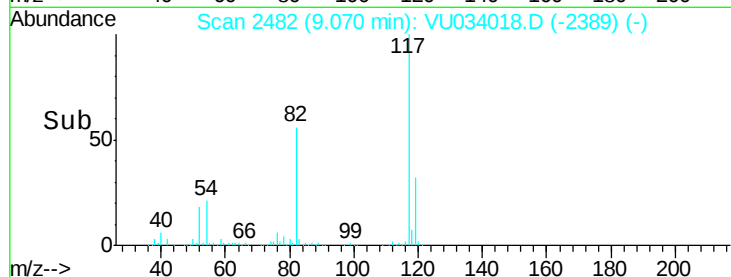
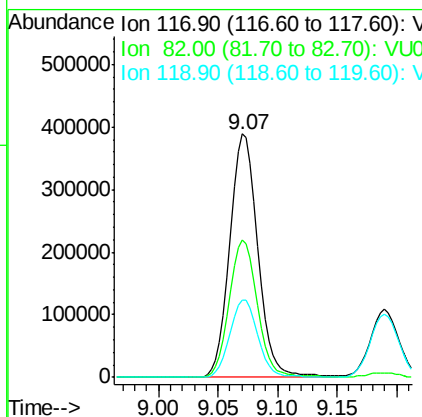
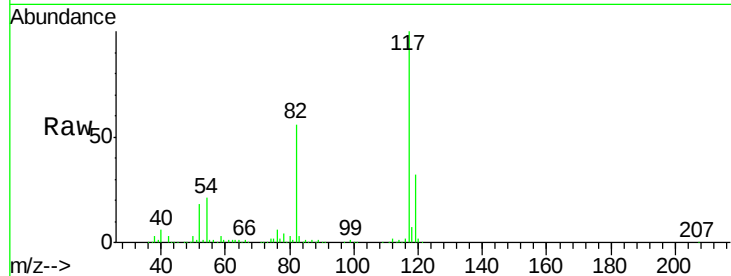
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	638636		
82	56.4		45.1	67.7
119	31.7		25.4	38.0

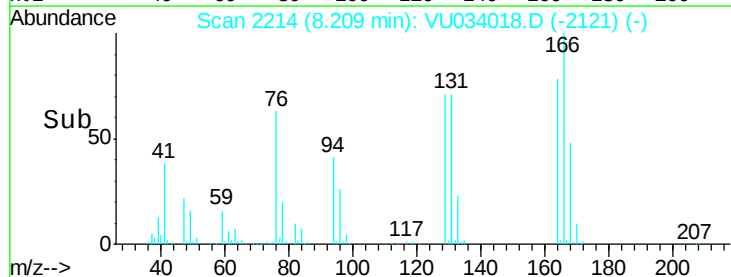
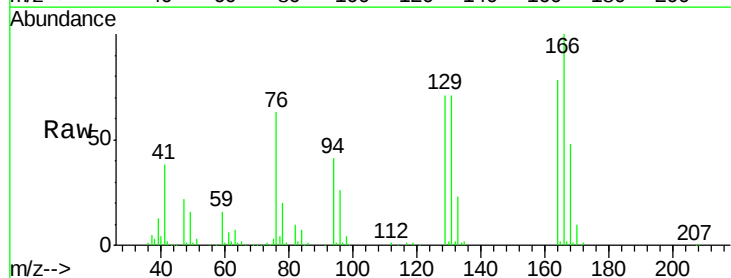
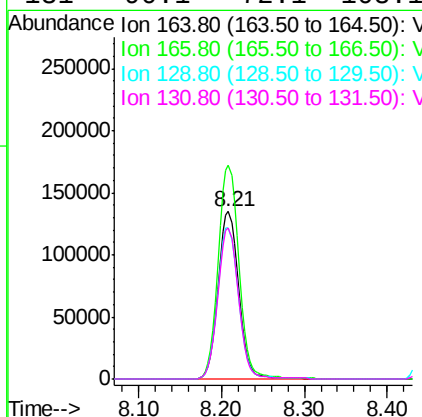
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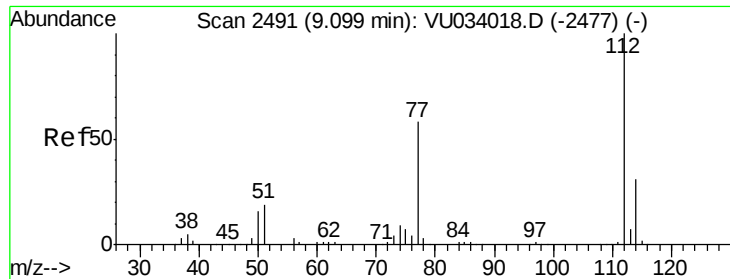
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#64
Tetrachloroethene
Concen: 45.952 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	231976		
166	127.7		102.2	153.2
129	90.5		72.4	108.6
131	90.1		72.1	108.1





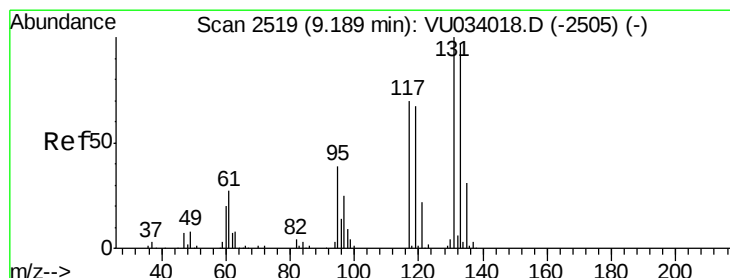
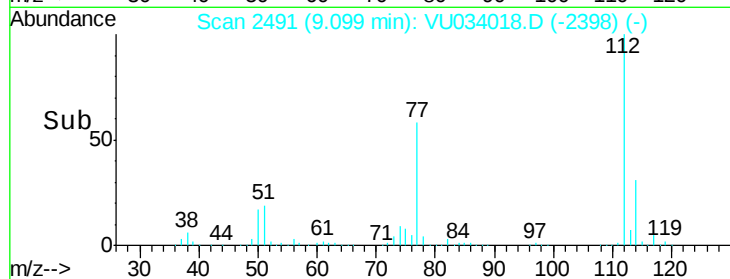
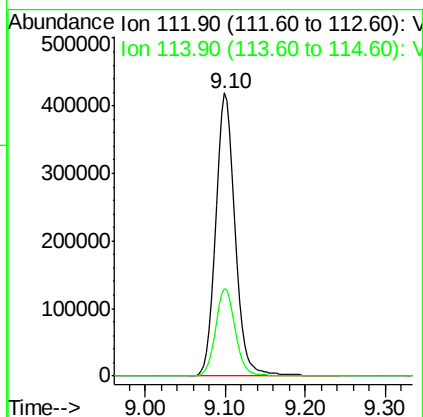
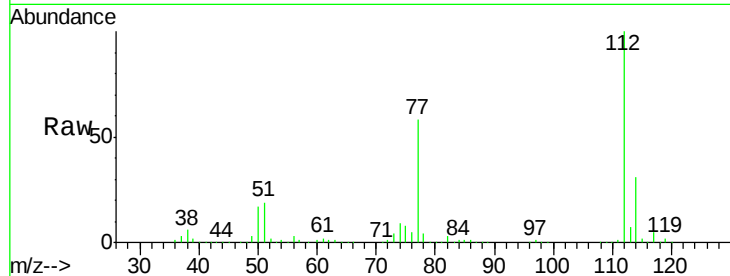
#65
Chlorobenzene
Concen: 52.957 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 706674
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.4

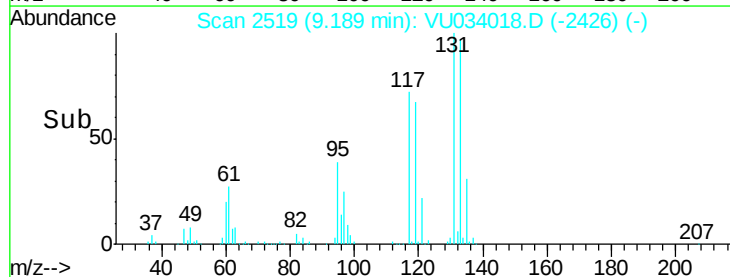
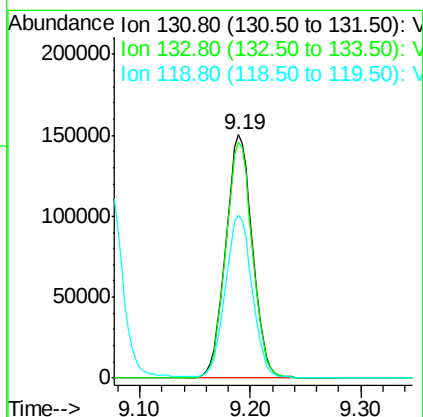
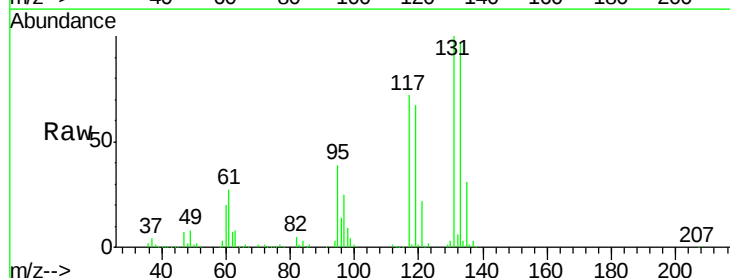
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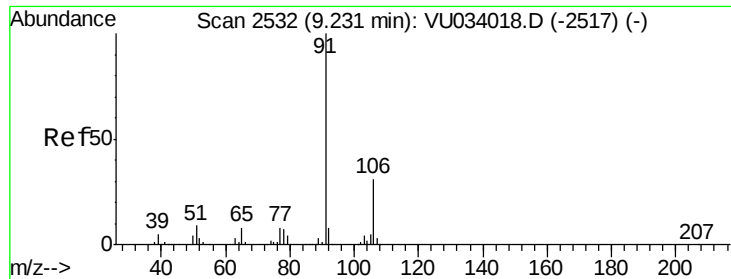
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.330 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion:131 Resp: 253113
Ion Ratio Lower Upper
131 100
133 96.8 48.4 145.2
119 67.1 33.6 100.6





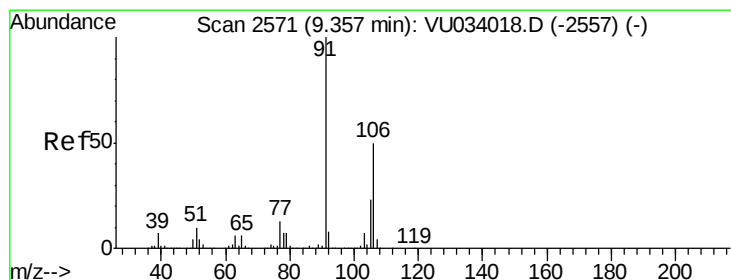
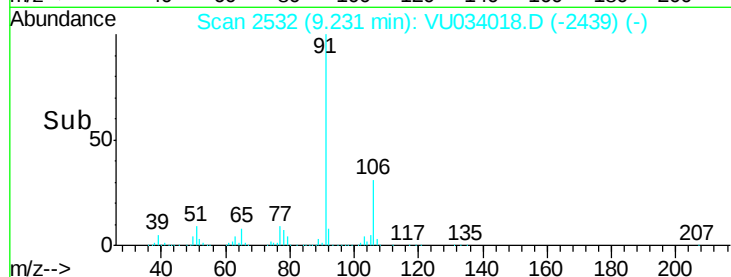
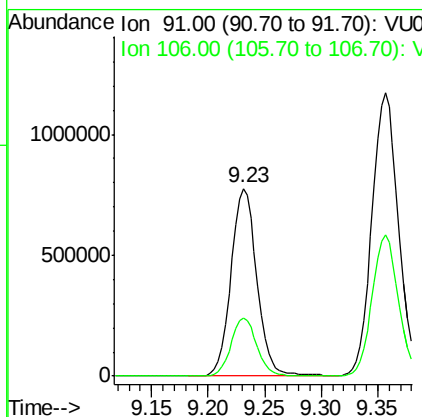
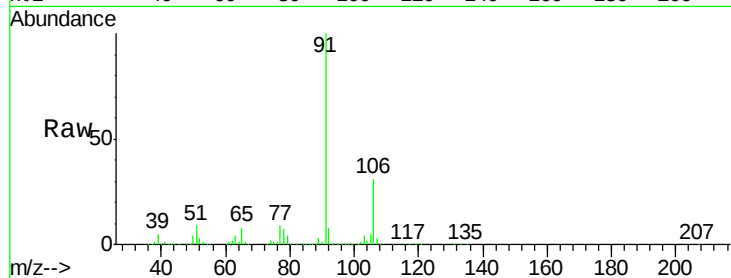
#67
Ethyl Benzene
Concen: 55.423 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1239633
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

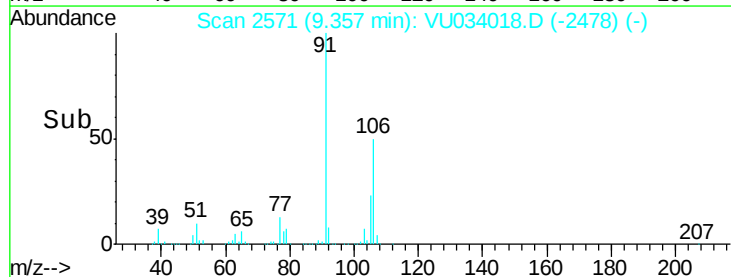
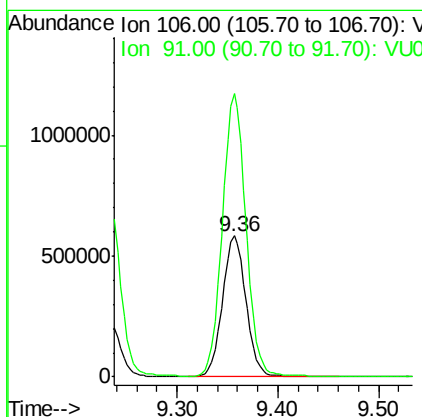
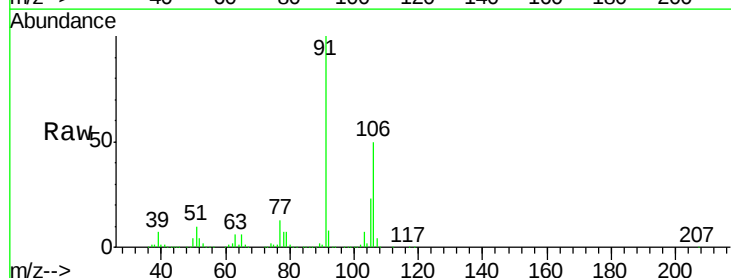
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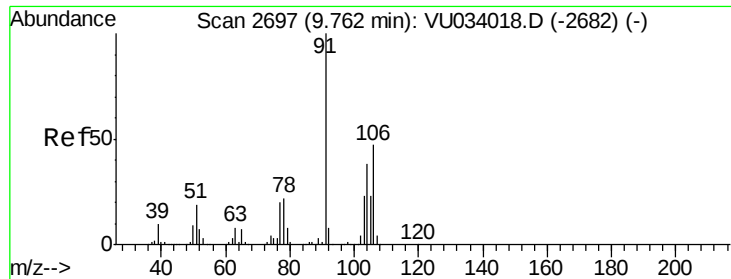
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#68
m/p-Xylenes
Concen: 110.645 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion: 106 Resp: 951569
Ion Ratio Lower Upper
106 100
91 202.0 161.6 242.4





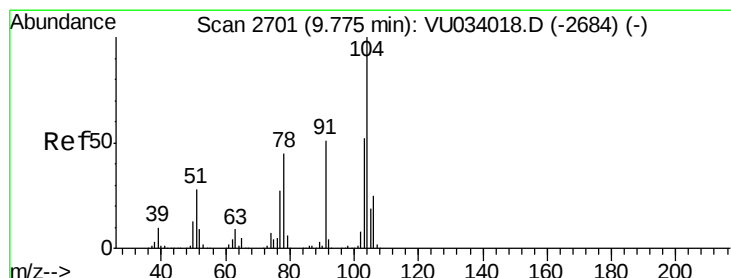
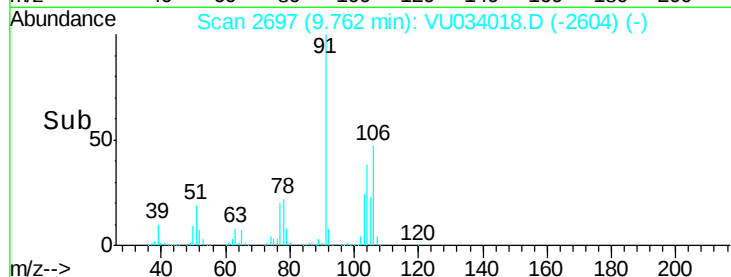
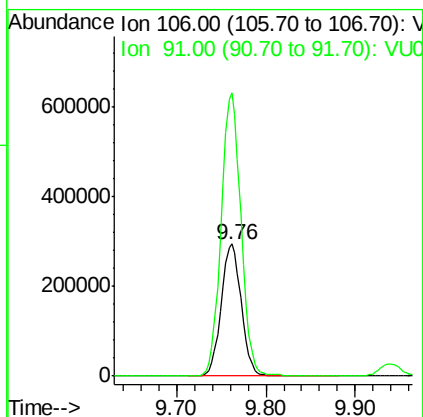
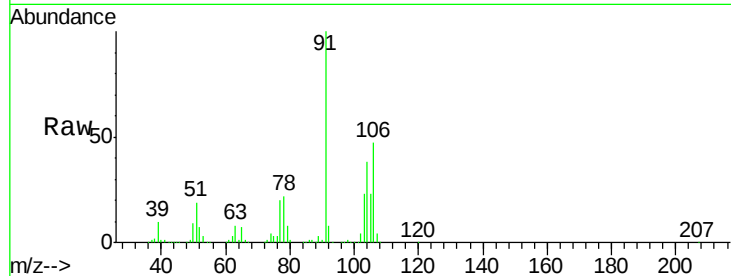
#69
o-Xylene
Concen: 55.664 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	458815		
91	212.0	106.0	318.0	

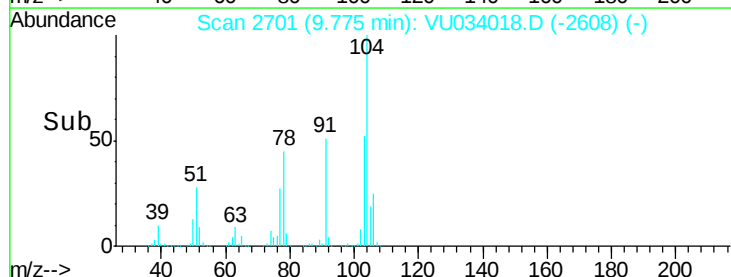
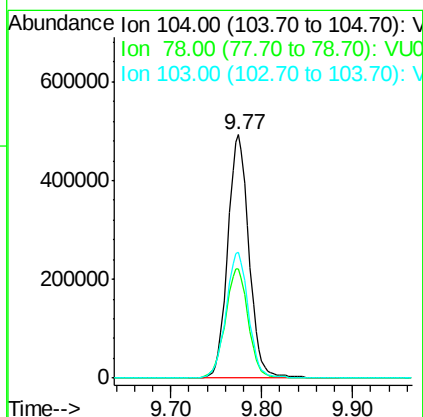
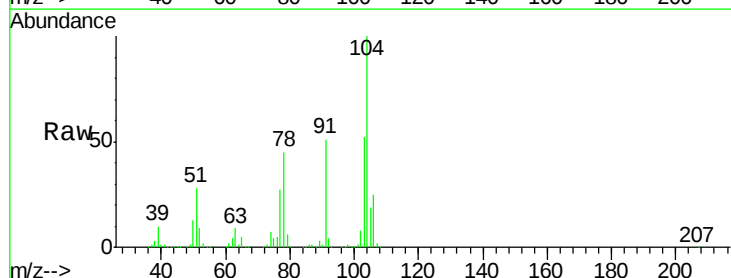
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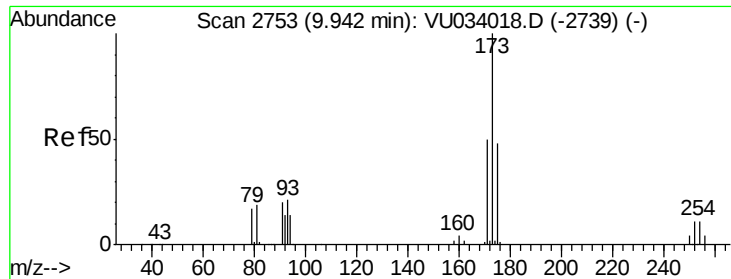
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#70
Styrene
Concen: 56.845 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	802254		
78	48.7	39.0	58.4	
103	55.0	44.0	66.0	





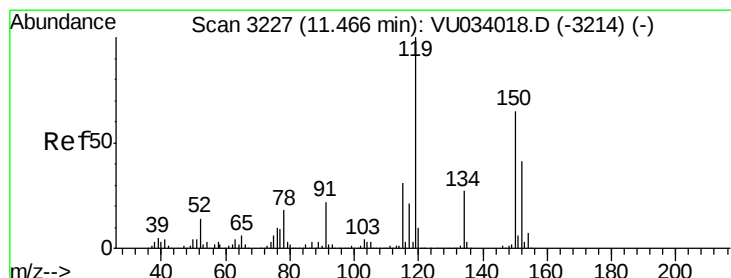
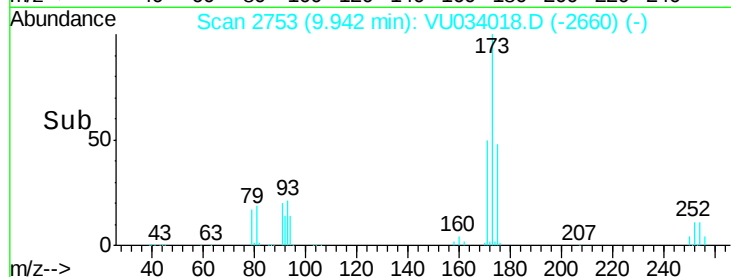
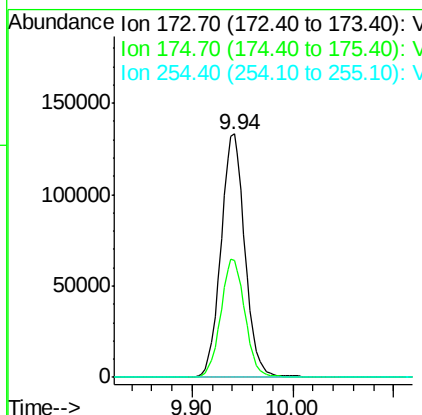
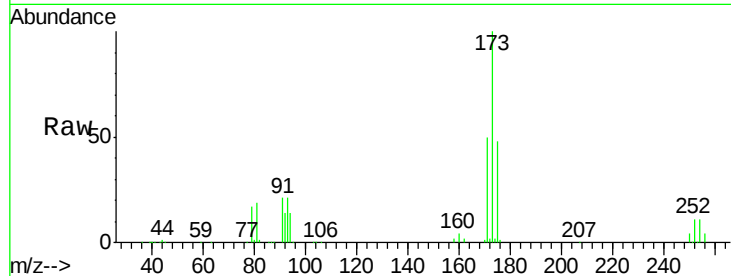
#71
Bromoform
Concen: 50.618 ug/l
RT: 9.94 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.0	0.0	0.0#

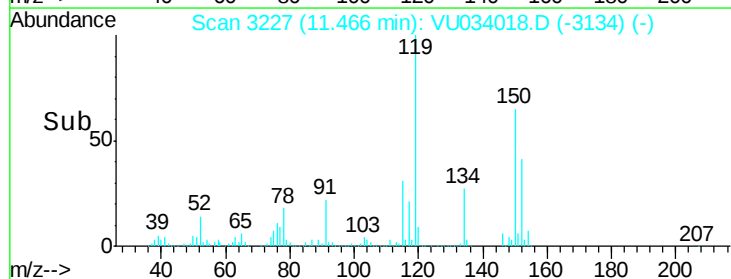
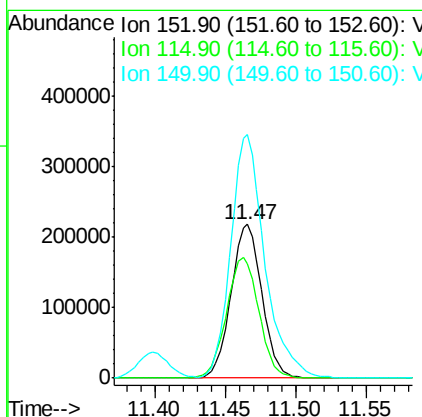
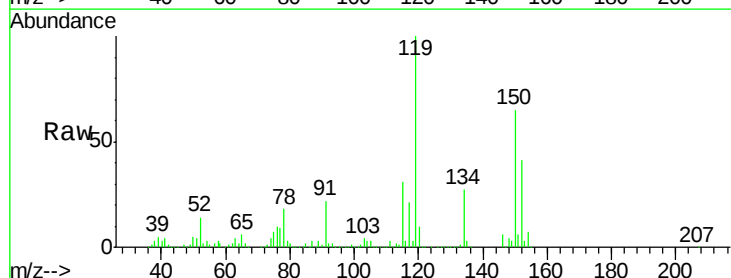
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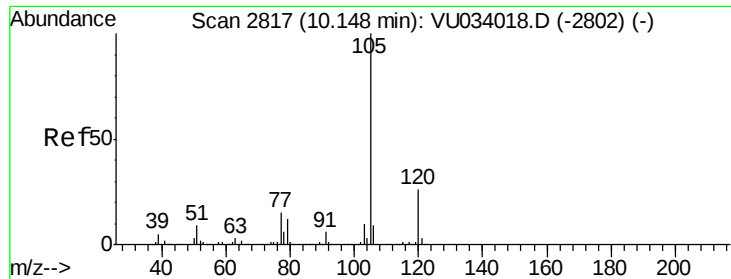
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.2	41.1	123.3
150	174.4	0.0	348.8





#73

Isopropylbenzene

Concen: 56.291 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1243115

Ion Ratio Lower Upper

105 100

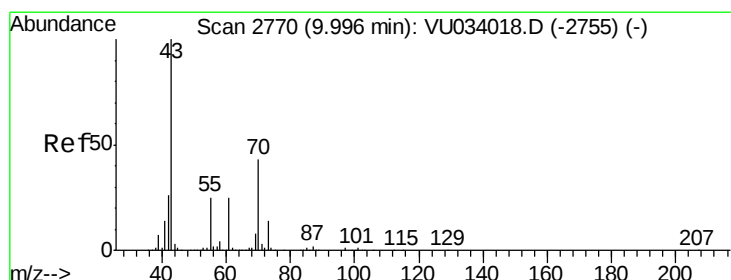
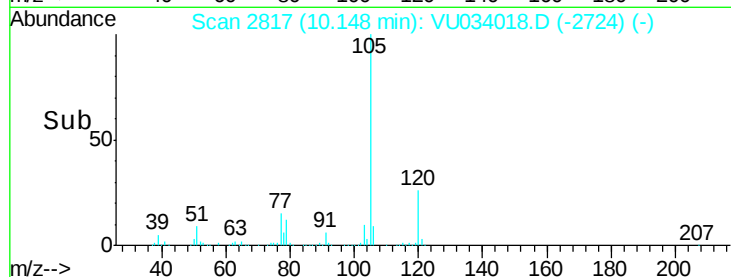
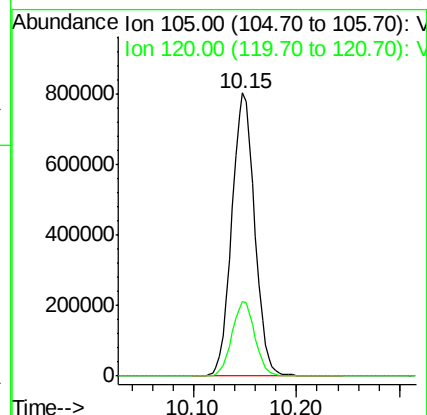
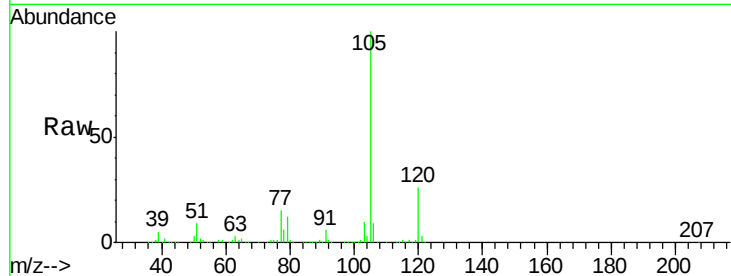
120 26.5 13.3 39.8

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#74

N-ethyl acetate

Concen: 64.281 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Tgt Ion: 43 Resp: 545638

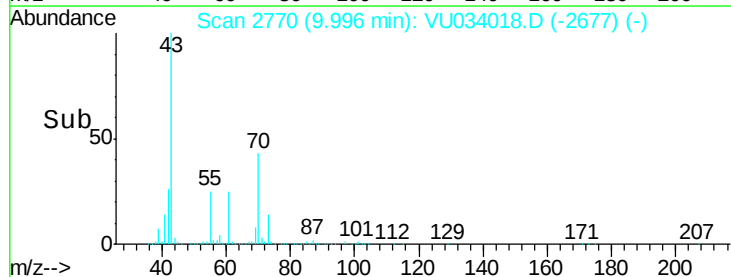
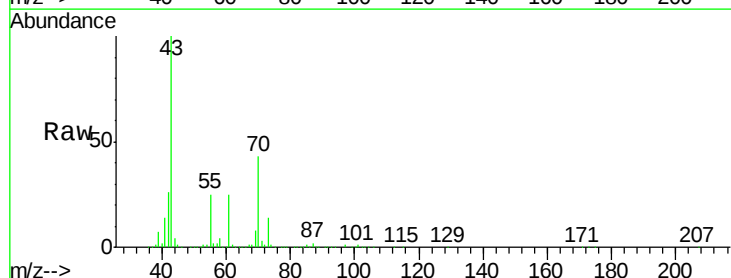
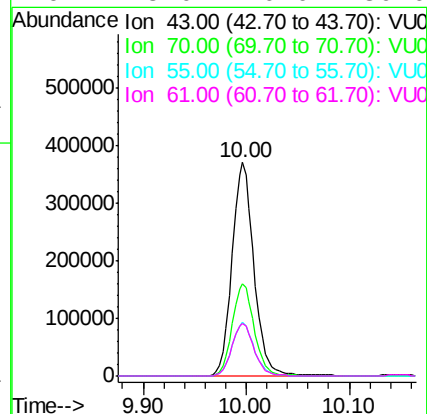
Ion Ratio Lower Upper

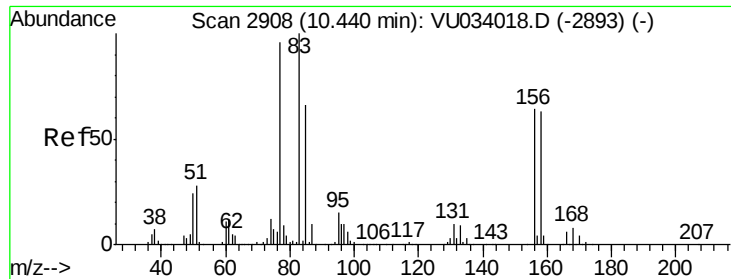
43 100

70 44.0 35.2 52.8

55 25.6 20.5 30.7

61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.511 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 445615

Ion Ratio Lower Upper

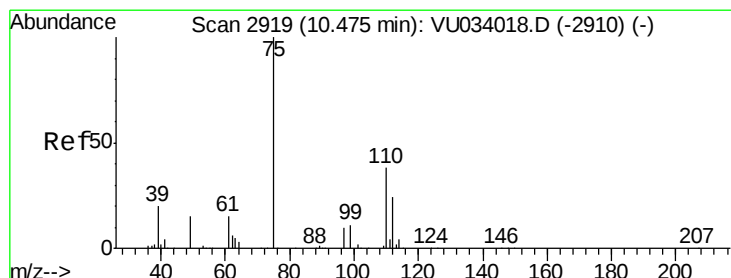
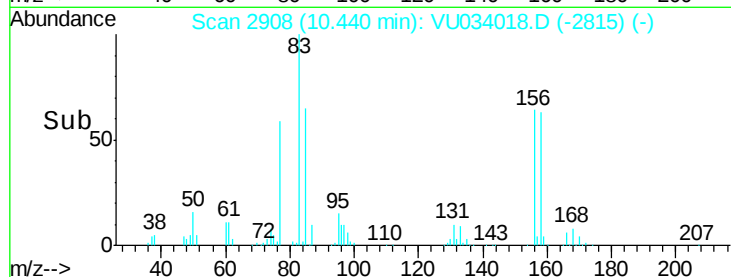
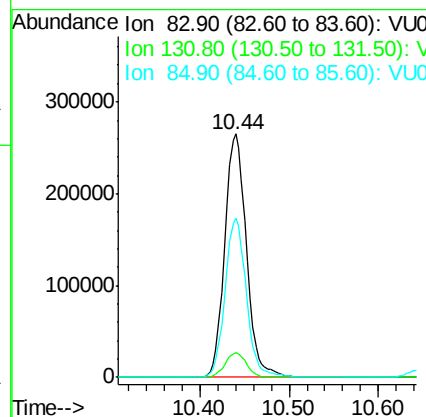
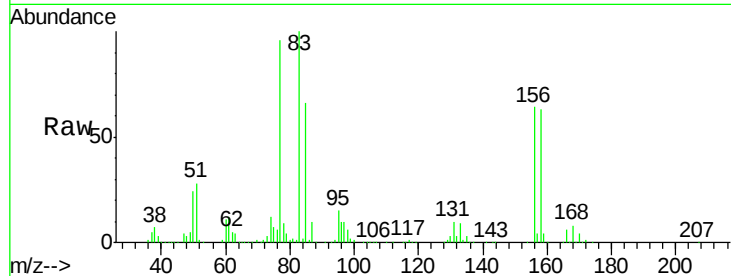
83 100

131 9.9 5.0 14.9

85 64.4 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 59.701 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034018.D

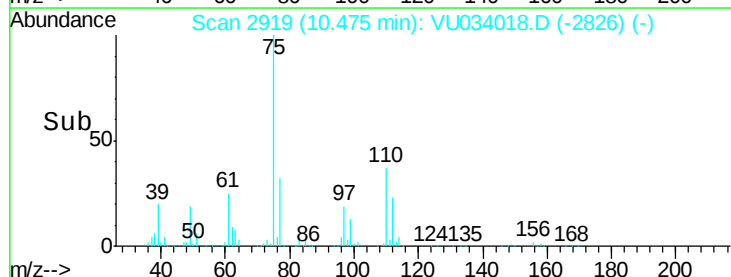
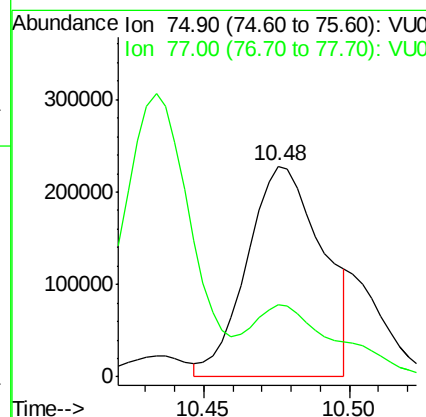
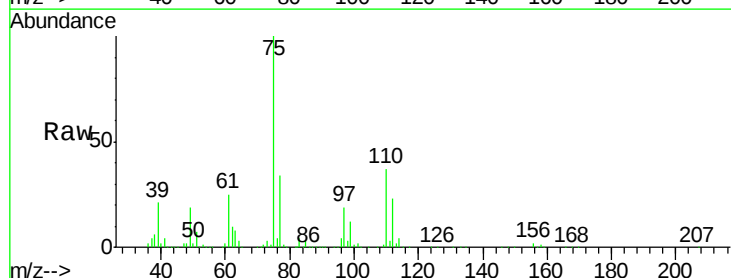
Acq: 28 Aug 2019 12:50

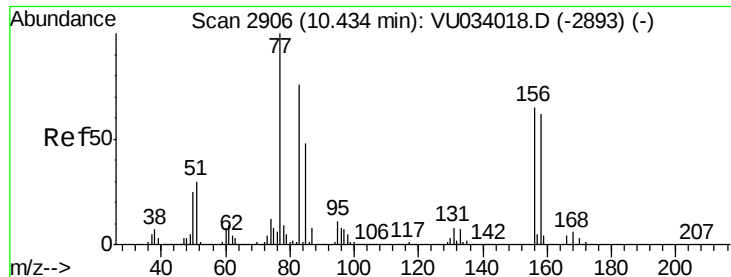
Tgt Ion: 75 Resp: 410729

Ion Ratio Lower Upper

75 100

77 37.9 20.1 60.2





#77

Bromobenzene

Concen: 51.769 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

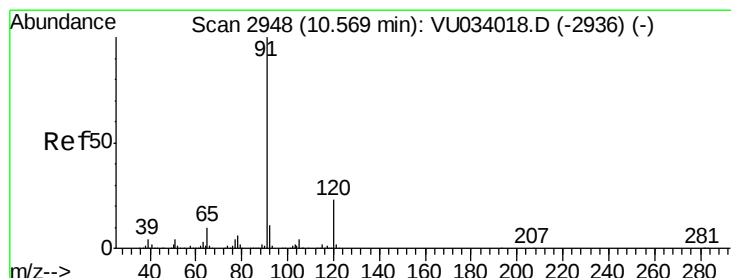
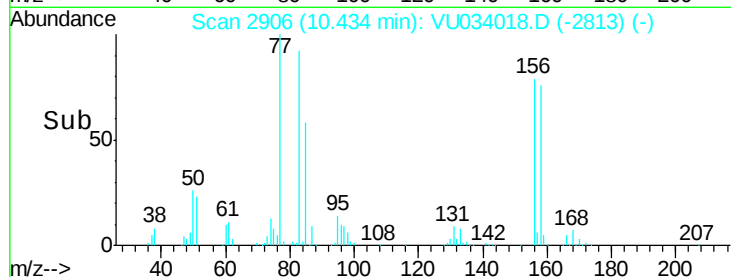
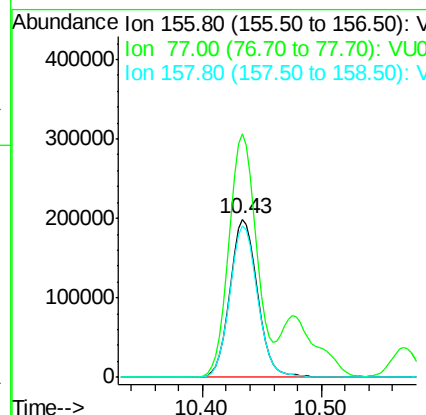
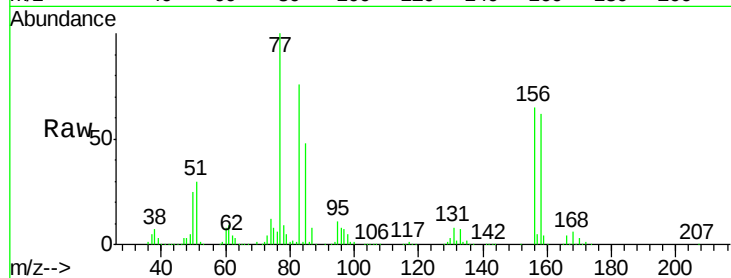
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	153.7	76.8	230.5
158	96.7	48.4	145.0

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8/29/2019 8:47:10 AM



#78

n-propylbenzene

Concen: 57.568 ug/l

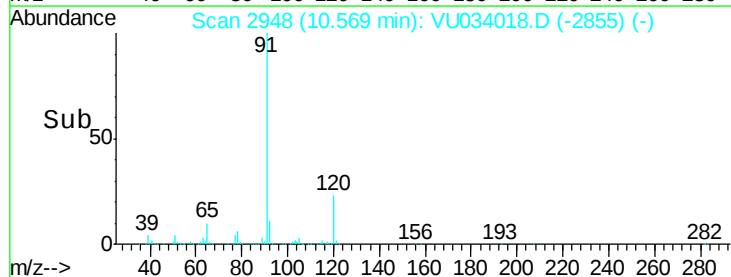
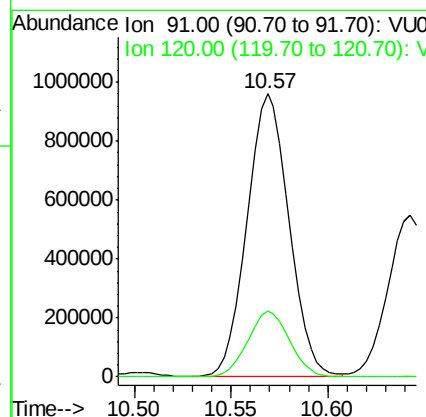
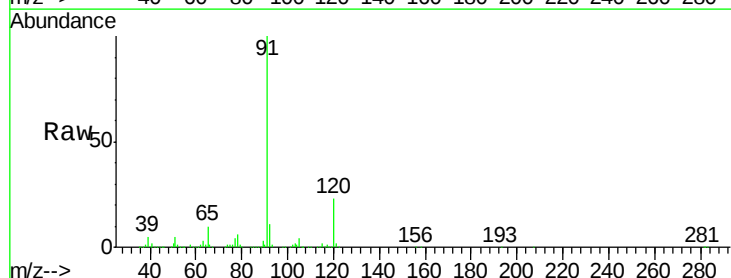
RT: 10.57 min Scan# 2948

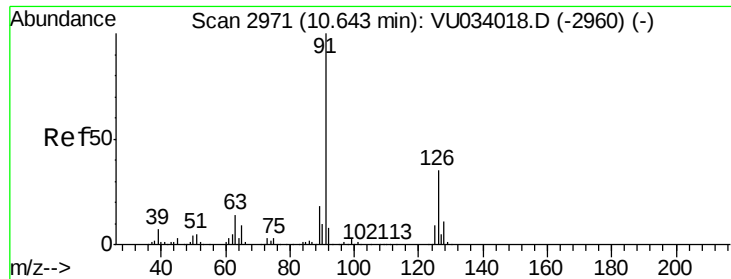
Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.7	35.0





#79

2-Chlorotoluene

Concen: 56.248 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 854200

Ion Ratio Lower Upper

91 100

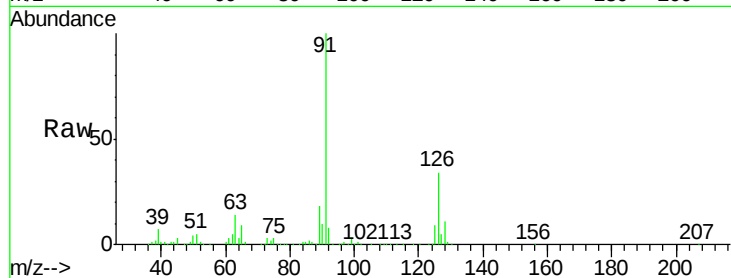
126 34.1 17.1 51.2

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Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU034018.D (-2960) (-)

1000000

800000

600000

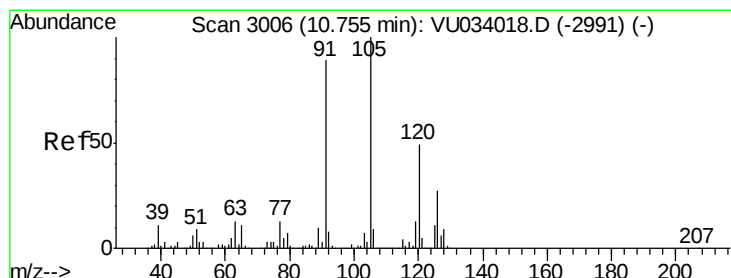
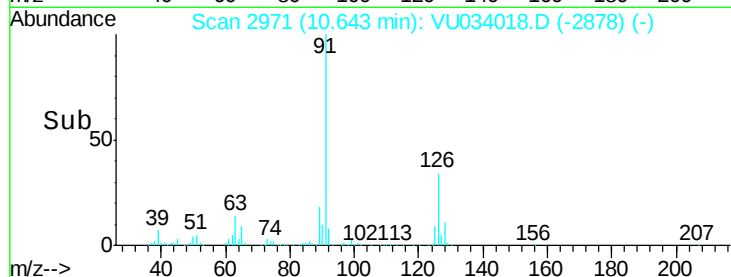
400000

200000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 56.861 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034018.D

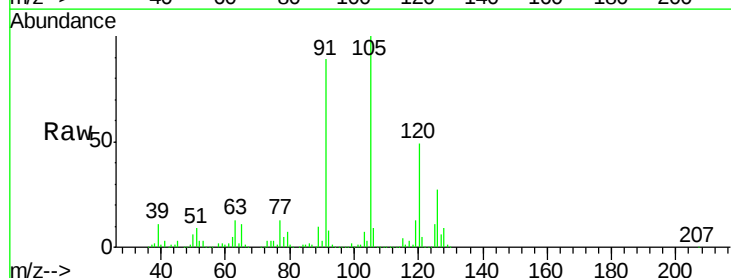
Acq: 28 Aug 2019 12:50

Tgt Ion: 105 Resp: 1074231

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU034018.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034018.D (-2991) (-)

800000

600000

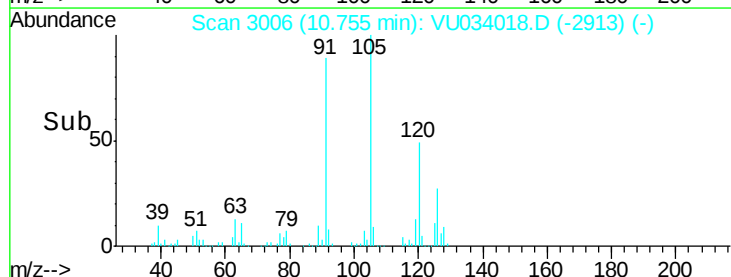
400000

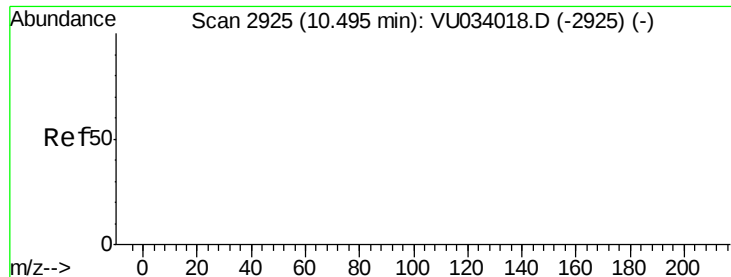
200000

0

10.70 10.80

Time-->





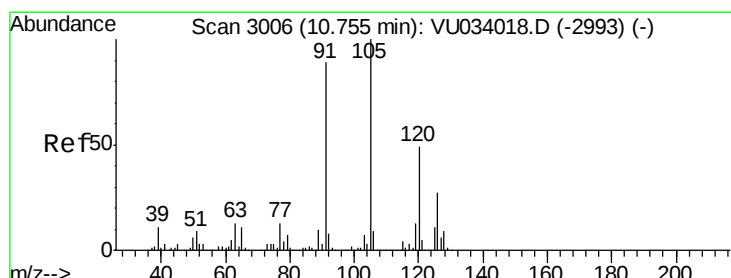
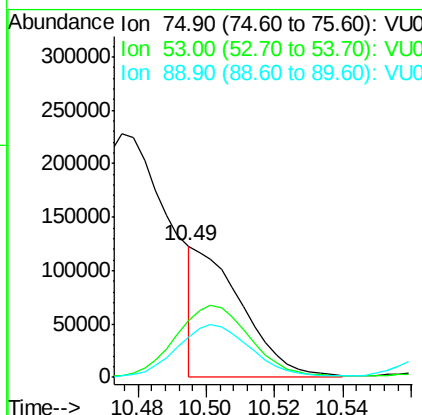
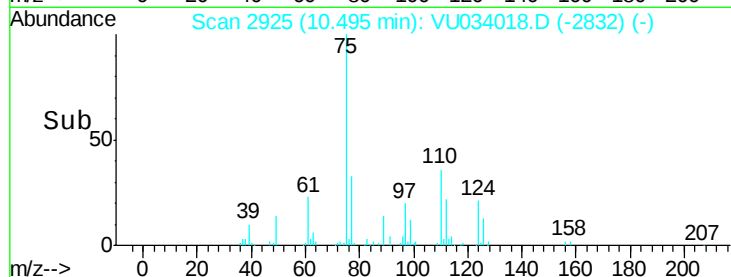
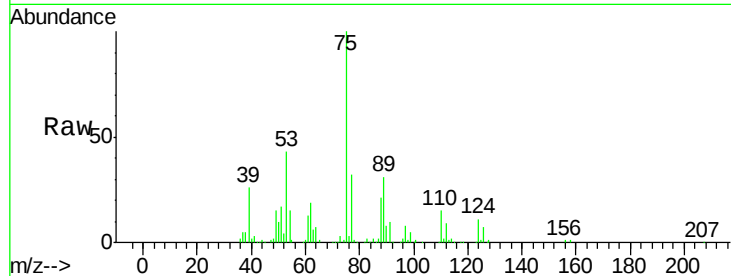
#81
trans-1,4-Dichloro-2-butene
Concen: 51.261 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

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

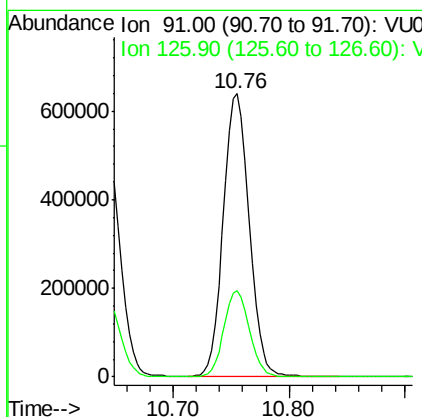
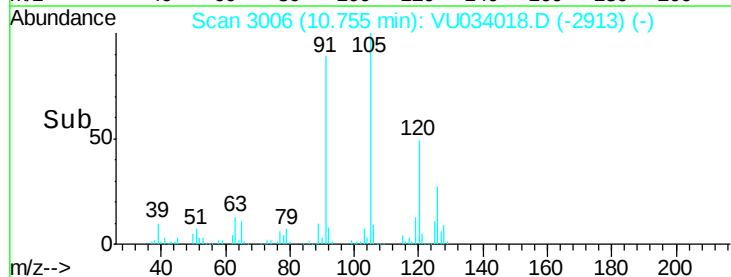
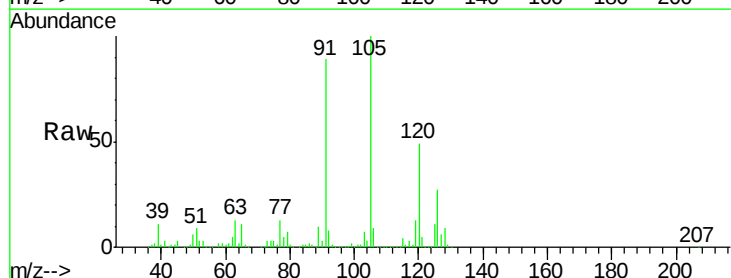
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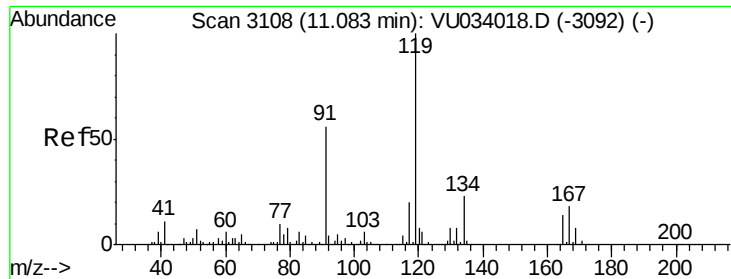
MMDadoda
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#82
4-Chlorotoluene
Concen: 56.099 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
126	30.1	15.0	45.1	





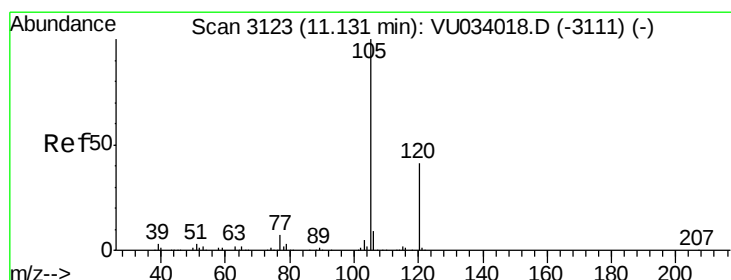
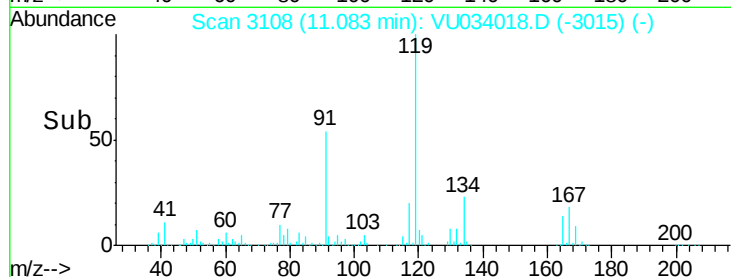
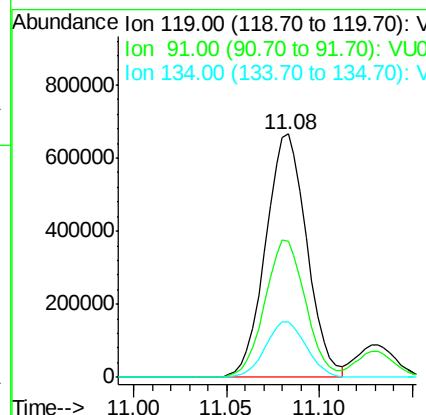
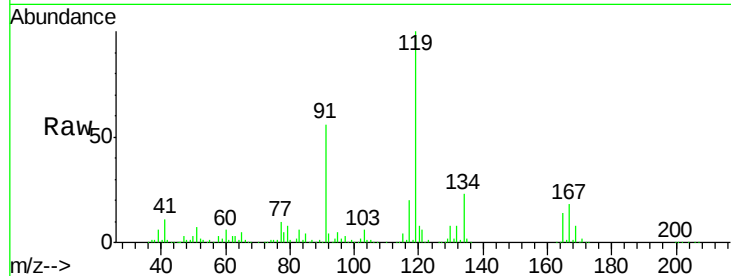
#83
 tert-Butylbenzene
 Concen: 56.107 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU034018.D
 Acq: 28 Aug 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.7	27.9	83.6
134	22.8	11.4	34.2

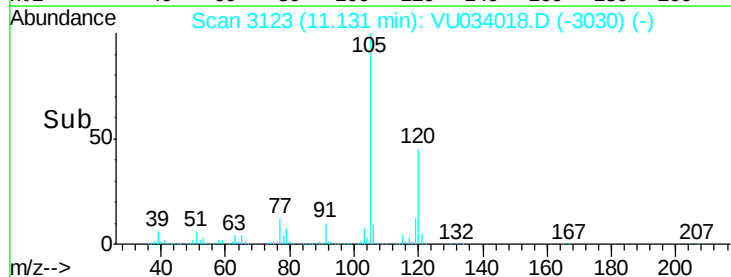
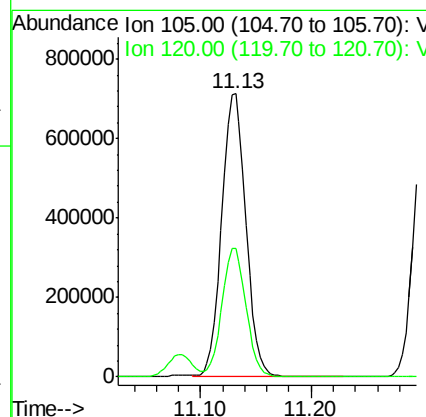
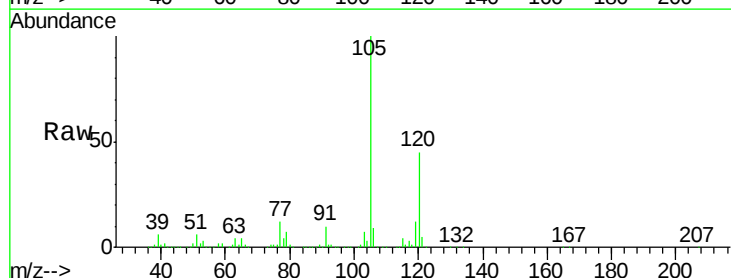
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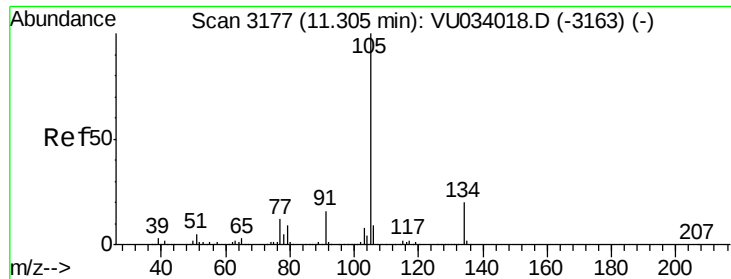
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#84
 1,2,4-Trimethylbenzene
 Concen: 58.118 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU034018.D
 Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.6	67.8





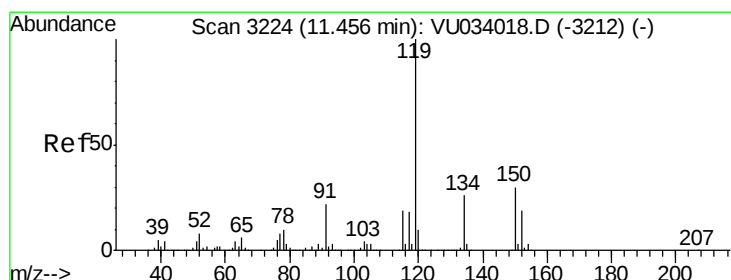
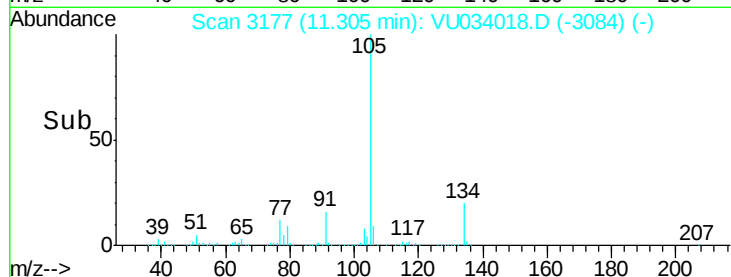
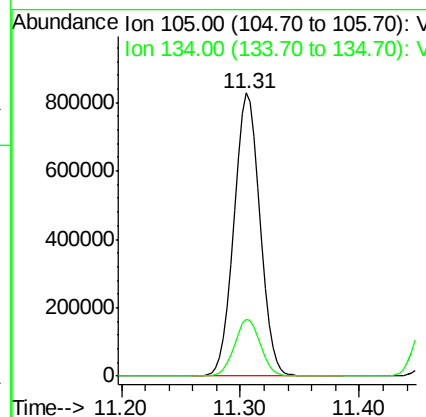
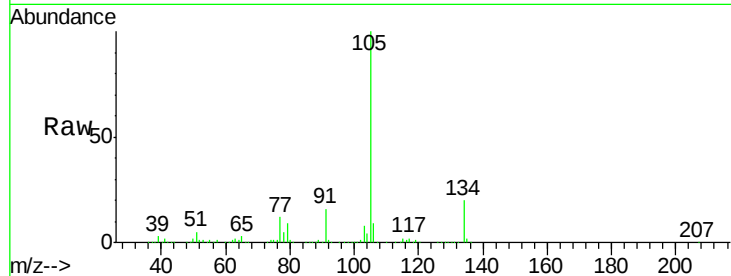
#85
 sec-Butylbenzene
 Concen: 57.004 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034018.D
 Acq: 28 Aug 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1250904
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.0 30.0

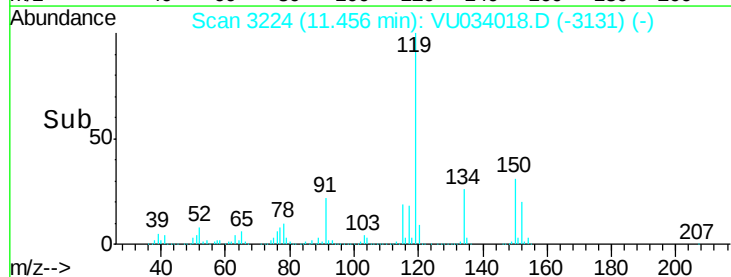
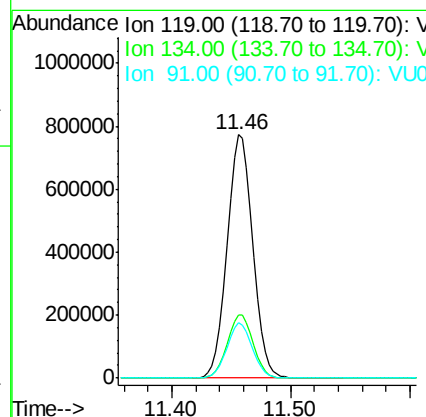
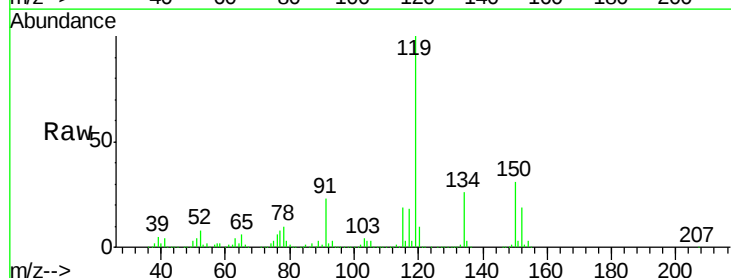
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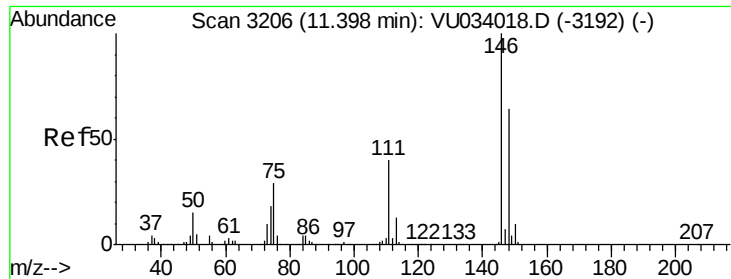
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 8/29/2019 8:47:10 AM



#86
 p-Isopropyltoluene
 Concen: 56.354 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034018.D
 Acq: 28 Aug 2019 12:50

Tgt Ion:119 Resp: 1151063
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.1
 91 22.4 11.2 33.6





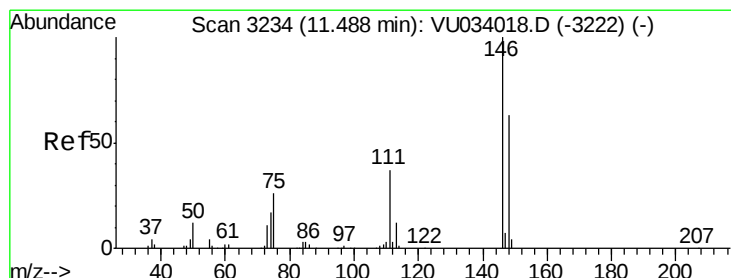
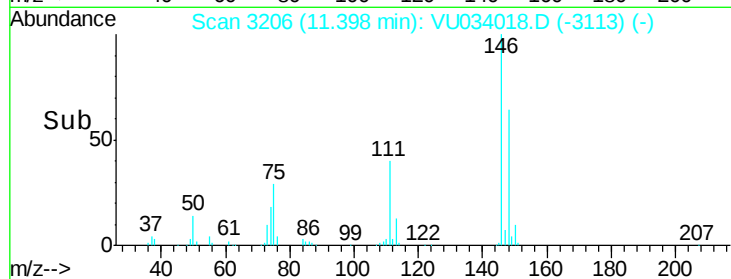
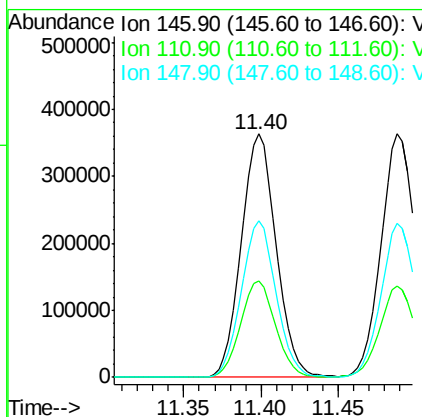
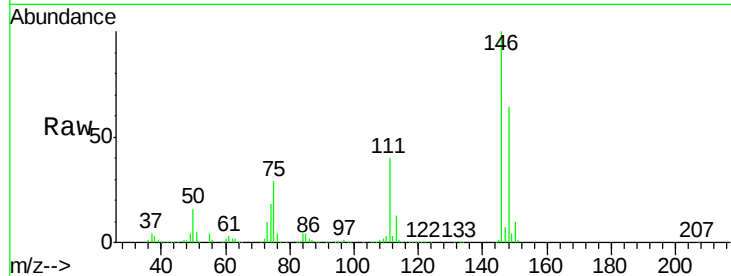
#87
 1,3-Dichlorobenzene
 Concen: 52.093 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034018.D
 Acq: 28 Aug 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.6
148	63.7	31.9	95.5

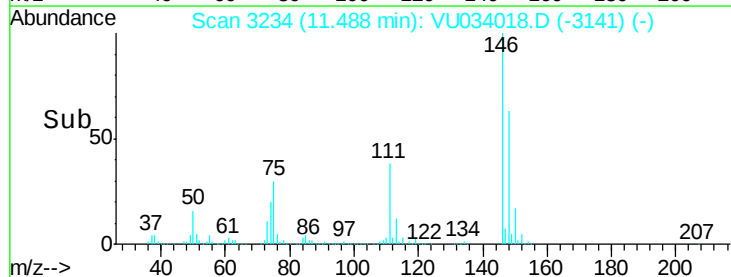
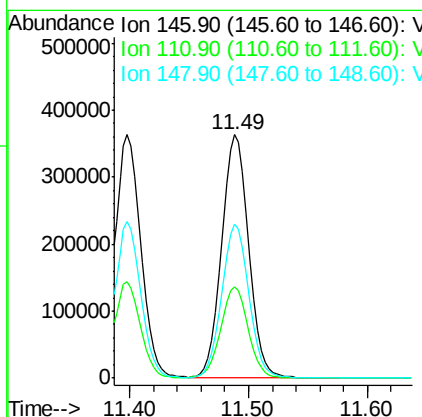
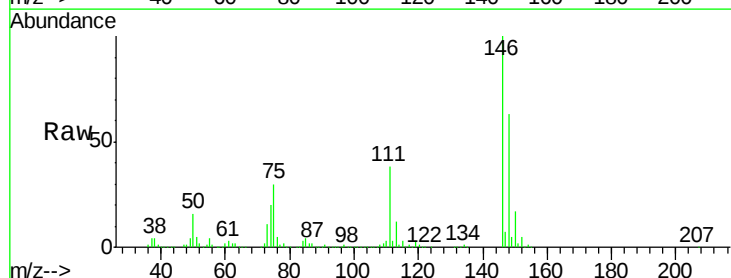
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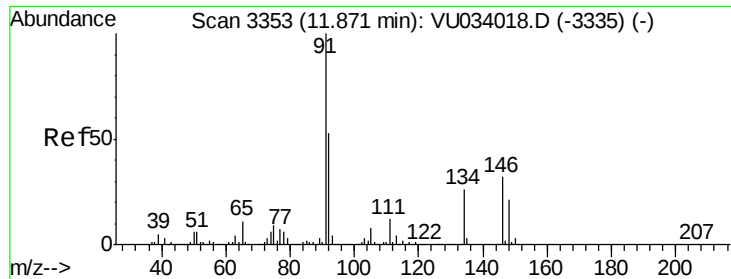
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#88
 1,4-Dichlorobenzene
 Concen: 51.480 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034018.D
 Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	63.9	31.9	95.9





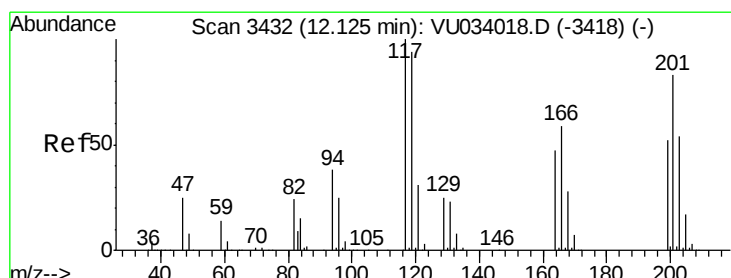
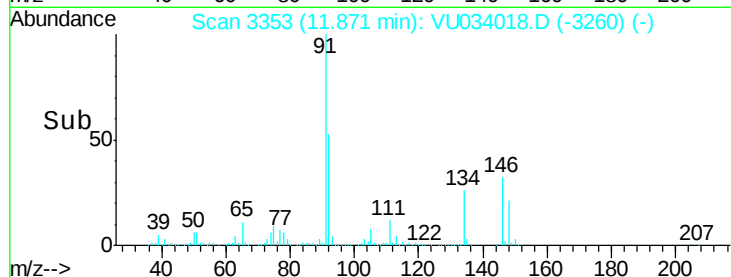
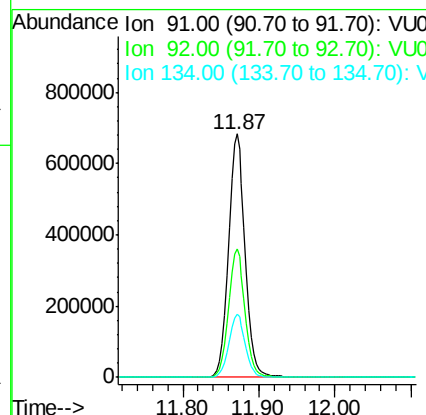
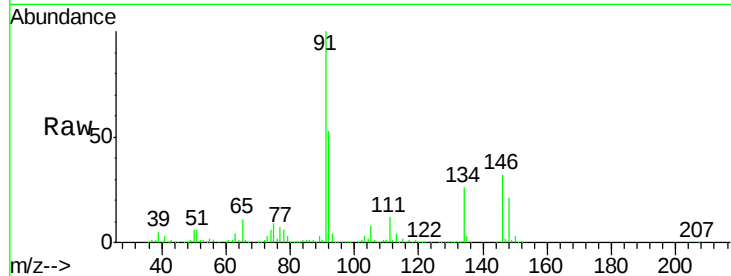
#89
n-Butylbenzene
Concen: 60.061 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1036265
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.9
134 25.8 12.9 38.7

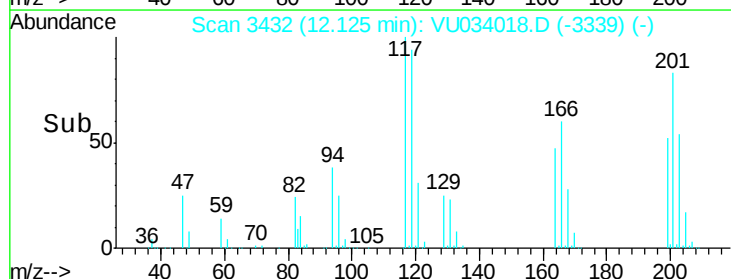
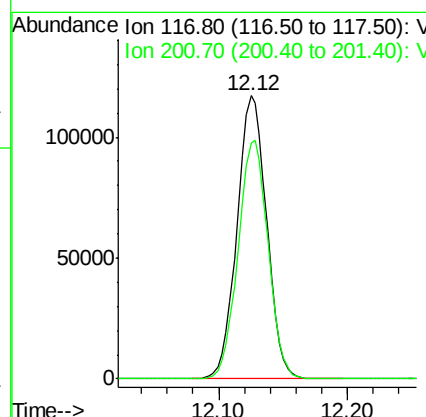
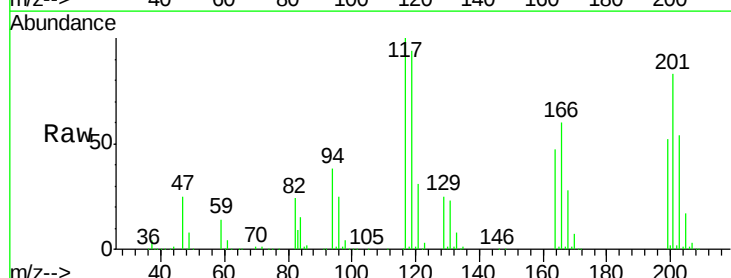
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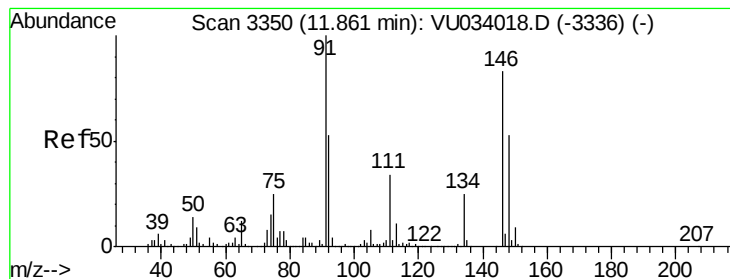
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#90
Hexachloroethane
Concen: 55.080 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034018.D
Acq: 28 Aug 2019 12:50

Tgt Ion: 117 Resp: 186754
Ion Ratio Lower Upper
117 100
201 85.1 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 51.708 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 146 Resp: 556501

Ion Ratio Lower Upper

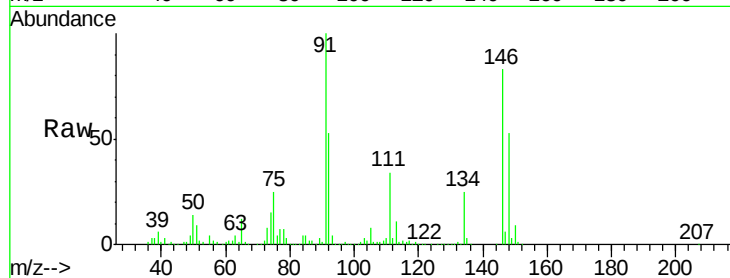
146 100

111 40.8 20.4 61.2

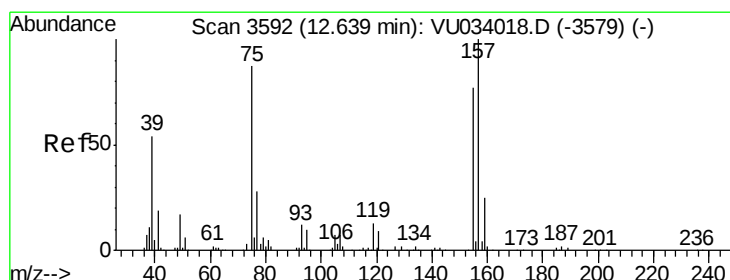
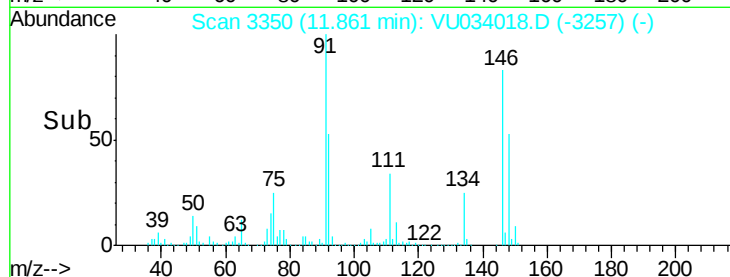
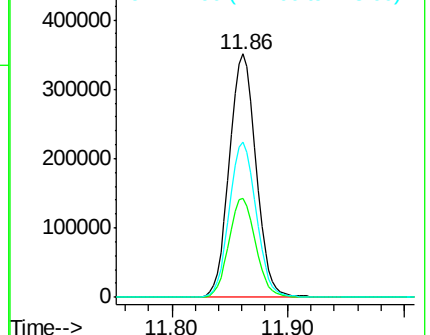
148 64.5 32.3 96.8

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 59.094 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

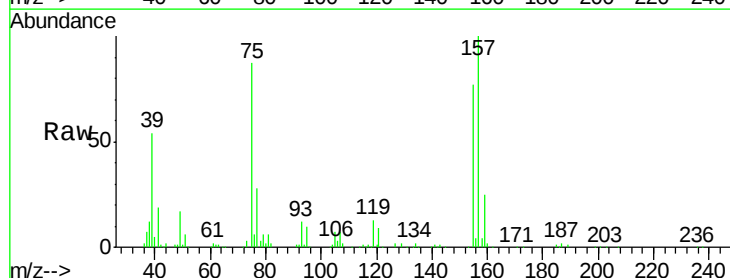
Tgt Ion: 75 Resp: 94052

Ion Ratio Lower Upper

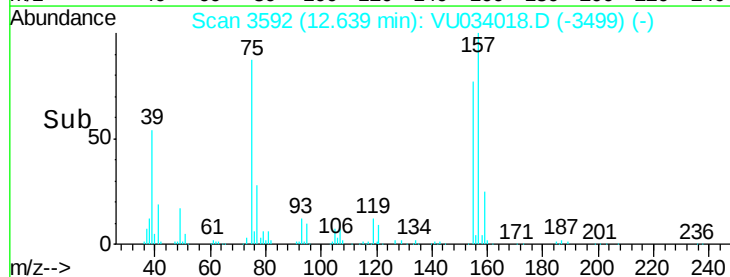
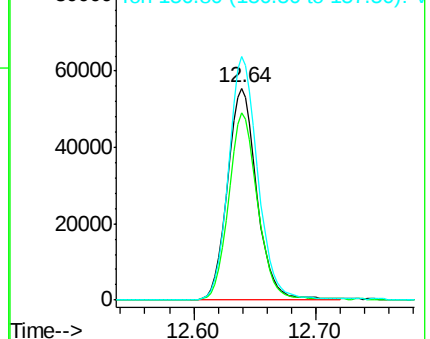
75 100

155 87.1 43.5 130.7

157 113.7 56.9 170.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





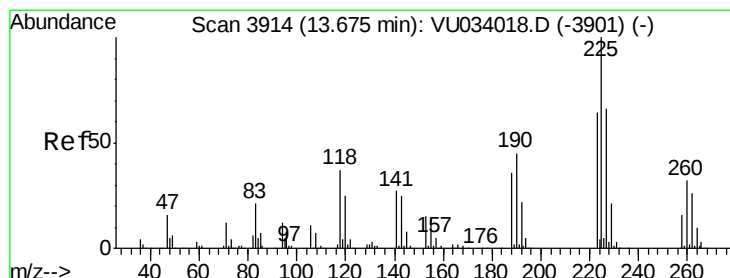
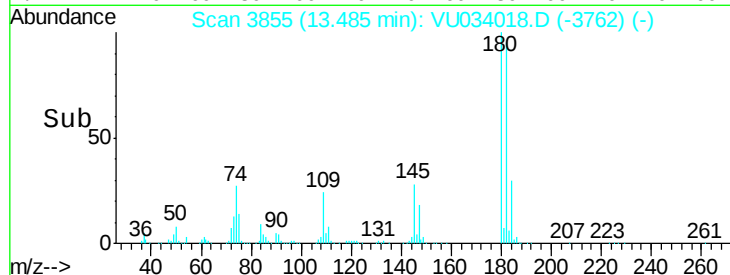
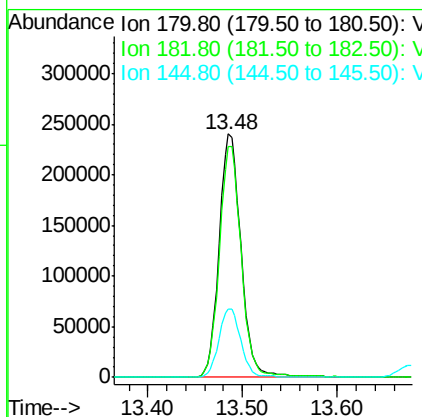
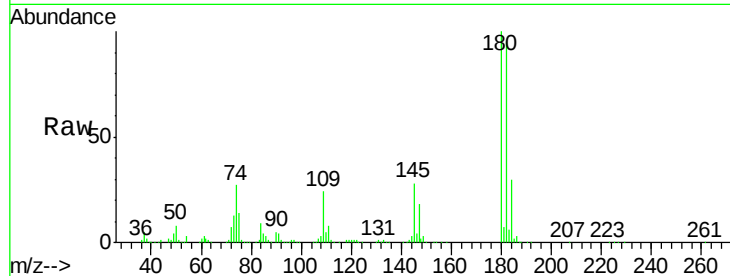
#93
 1,2,4-Trichlorobenzene
 Concen: 58.763 ug/l
 RT: 13.48 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034018.D
 Acq: 28 Aug 2019 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	387221		
182	94.8	47.4	142.2	
145	28.2	14.1	42.3	

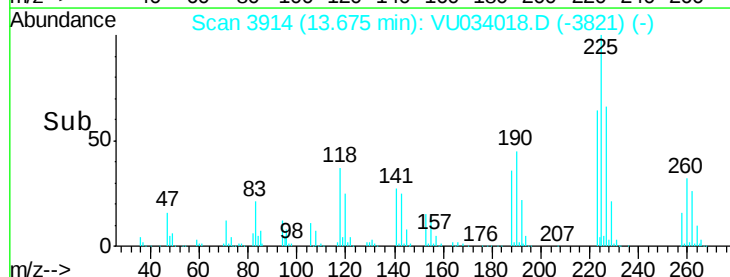
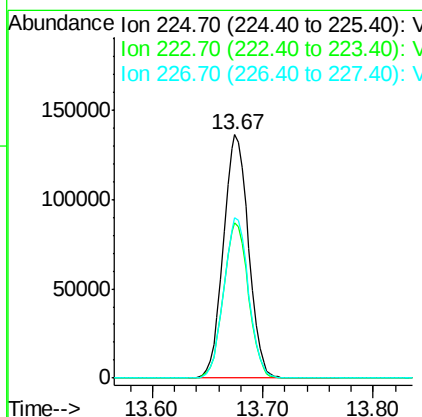
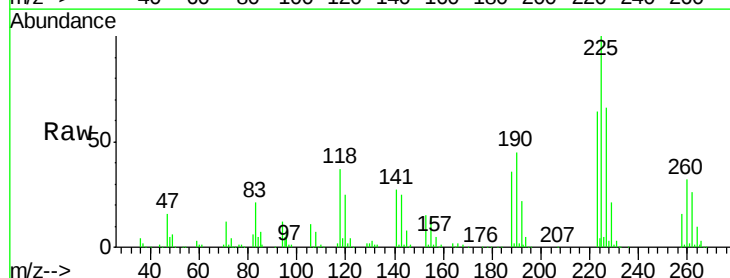
Manual Integrations
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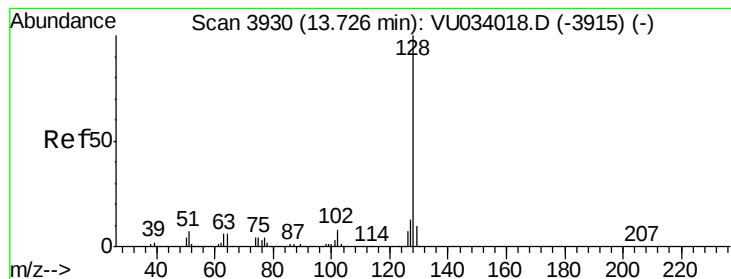
MMDadoda
 8/29/2019 8:47:10 AM



#94
 Hexachlorobutadiene
 Concen: 49.275 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034018.D
 Acq: 28 Aug 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	215227		
223	63.5	31.8	95.3	
227	65.2	32.6	97.8	





#95

Naphthalene

Concen: 62.569 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 1093066

Ion Ratio Lower Upper

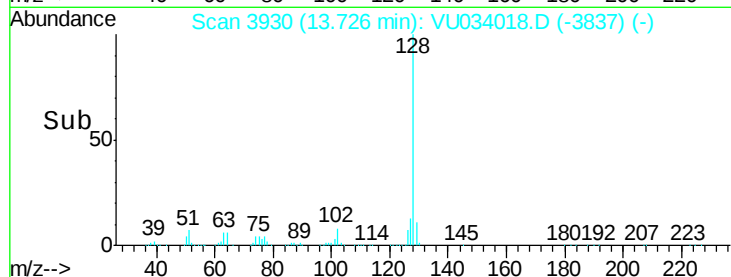
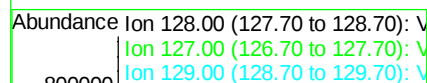
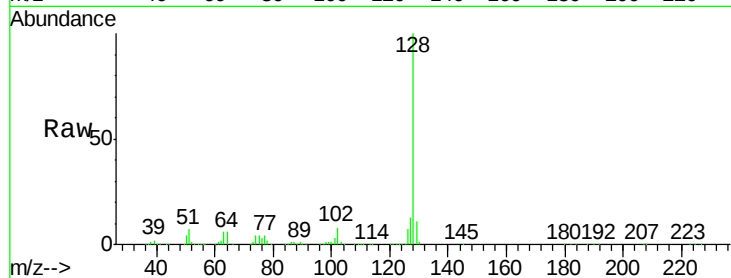
128 100

127 12.8 10.2 15.4

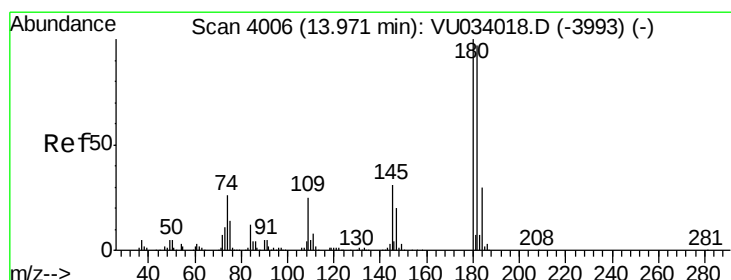
129 10.5 8.4 12.6

Manual Integrations
APPROVED

MMDadoda
8/29/2019 8:47:10 AM



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 55.707 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034018.D

Acq: 28 Aug 2019 12:50

Tgt Ion:180 Resp: 379192

Ion Ratio Lower Upper

180 100

182 96.4 48.2 144.6

145 31.0 15.5 46.5

