

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\
 Data File : VU034015.D
 Acq On : 28 Aug 2019 11:37
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 8:27:22 AM

Quant Time: Aug 29 03:34:19 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	406888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	650493	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	618901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	277756	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	3426	0.816	ug/l	98
3) Chloromethane	1.32	50	8163	1.536	ug/l	100
4) Vinyl Chloride	1.40	62	5331	1.201	ug/l	96
6) Chloroethane	1.68	64	3571	1.353	ug/l	92
7) Trichlorofluoromethane	1.87	101	6270	1.112	ug/l	97
8) Diethyl Ether	2.09	74	2669	1.218	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.27	101	4137	1.160	ug/l	95
12) 1,1-Dichloroethene	2.27	96	4121	1.105	ug/l	95
14) Allyl chloride	2.58	41	7515	1.124	ug/l	99
15) Acrylonitrile	2.93	53	12321	4.957	ug/l	94
16) Acetone	2.31	43	13484	5.893	ug/l	96
17) Carbon Disulfide	2.46	76	13829	1.133	ug/l	96
18) Methyl Acetate	2.60	43	8796	1.565	ug/l	96
19) Methyl tert-butyl Ether	2.98	73	12047	0.964	ug/l	98
20) Methylene Chloride	2.69	84	5513	1.161	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	4311	1.023	ug/l	96
22) Diisopropyl ether	3.55	45	12705	1.033	ug/l #	56
23) Vinyl Acetate	3.51	43	50989	4.864	ug/l	97
24) 1,1-Dichloroethane	3.42	63	7790	1.026	ug/l #	98
25) 2-Butanone	4.26	43	14474	4.407	ug/l	99
26) 2,2-Dichloropropane	4.20	77	6485	1.015	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	4698	0.994	ug/l	97
28) Bromochloromethane	4.53	49	4108	1.164	ug/l #	99
29) Tetrahydrofuran	4.63	42	9569	4.677	ug/l	94
30) Chloroform	4.65	83	9130	1.182	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	6608	1.022	ug/l #	49
36) 1,1-Dichloropropene	5.11	75	6259	1.027	ug/l	92
37) Ethyl Acetate	4.39	43	6897m	1.110	ug/l	
38) Carbon Tetrachloride	5.11	117	5856	0.953	ug/l	98
39) Methylcyclohexane	6.40	83	6360	0.883	ug/l	97
40) Benzene	5.37	78	17362	0.957	ug/l	94
41) Methacrylonitrile	4.54	41	2719	0.840	ug/l #	87
42) 1,2-Dichloroethane	5.39	62	6328	1.028	ug/l	82
43) Isopropyl Acetate	5.54	43	9048	0.947	ug/l #	90

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	6.17	130	4559	0.896	ug/l	87
45) 1,2-Dichloropropane	6.41	63	4565	0.933	ug/l	99
46) Dibromomethane	6.54	93	3056	0.930	ug/l	95
47) Bromodichloromethane	6.74	83	6009	0.957	ug/l	97
48) Methyl methacrylate	6.62	41	4056	0.884	ug/l	99
49) 1,4-Dioxane	6.60	88	2236	18.436	ug/l #	90
51) 4-Methyl-2-Pentanone	7.45	43	29826	4.509	ug/l	97
52) Toluene	7.62	92	10091	0.884	ug/l	99
53) t-1,3-Dichloropropene	7.87	75	5847	0.836	ug/l	95
54) cis-1,3-Dichloropropene	7.26	75	6583	0.874	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	4287	0.884	ug/l	97
56) Ethyl methacrylate	8.01	69	5313	0.769	ug/l	95
57) 1,3-Dichloropropane	8.23	76	7314	0.927	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.12	63	11263	4.431	ug/l	98
59) 2-Hexanone	8.35	43	20557	4.047	ug/l	100
60) Dibromochloromethane	8.46	129	4551	0.844	ug/l	97
61) 1,2-Dibromoethane	8.57	107	4631	0.910	ug/l	98
64) Tetrachloroethene	8.21	164	4044	0.827	ug/l	95
65) Chlorobenzene	9.10	112	12013	0.929	ug/l	93
66) 1,1,1,2-Tetrachloroethane	9.19	131	4328	0.906	ug/l #	63
67) Ethyl Benzene	9.23	91	18673	0.861	ug/l	99
68) m/p-Xylenes	9.36	106	13639	1.636	ug/l	97
69) o-Xylene	9.77	106	6401	0.801	ug/l	92
70) Styrene	9.78	104	10082	0.737	ug/l	97
71) Bromoform	9.95	173	3595	0.850	ug/l #	95
73) Isopropylbenzene	10.15	105	15970	0.871	ug/l	95
74) N-amyl acetate	10.01	43	5907	0.838	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.44	83	7516	1.128	ug/l	98
76) 1,2,3-Trichloropropane	10.48	75	6129m	1.073	ug/l	
77) Bromobenzene	10.44	156	5002	0.974	ug/l	97
78) n-propylbenzene	10.57	91	19149	0.917	ug/l	98
79) 2-Chlorotoluene	10.65	91	11906	0.944	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	12455	0.794	ug/l	94
82) 4-Chlorotoluene	10.76	91	13648	0.938	ug/l	95
83) tert-Butylbenzene	11.08	119	13760	0.901	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	12022	0.779	ug/l	94
85) sec-Butylbenzene	11.31	105	15095	0.829	ug/l	98
86) p-Isopropyltoluene	11.46	119	13380	0.789	ug/l	90
87) 1,3-Dichlorobenzene	11.40	146	8429	0.927	ug/l	96
88) 1,4-Dichlorobenzene	11.49	146	9248m	1.008	ug/l	
89) n-Butylbenzene	11.87	91	11341	0.792	ug/l	91
90) Hexachloroethane	12.13	117	2771	0.984	ug/l	94
91) 1,2-Dichlorobenzene	11.87	146	7578	0.848	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.66	75	1235	0.935	ug/l	80
93) 1,2,4-Trichlorobenzene	13.53	180	2848m	0.521	ug/l	
94) Hexachlorobutadiene	13.68	225	2986	0.823	ug/l	95
95) Naphthalene	13.75	128	7750m	0.534	ug/l	
96) 1,2,3-Trichlorobenzene	13.98	180	4248m	0.752	ug/l	

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ClientSampleId :
VSTDICC001

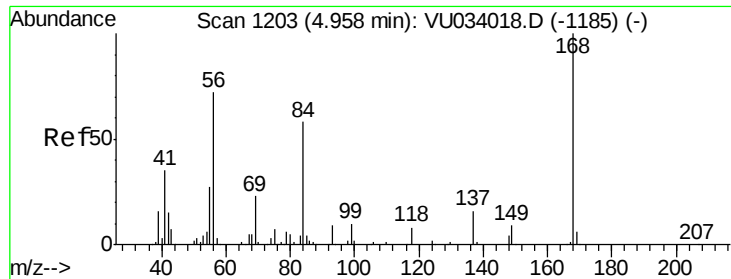
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = 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: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 406888

Ion Ratio Lower Upper

168 100

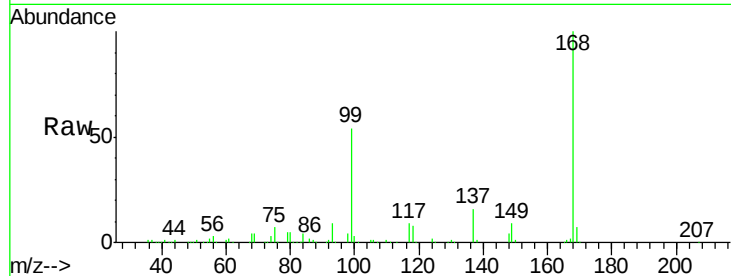
99 53.2 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

200000

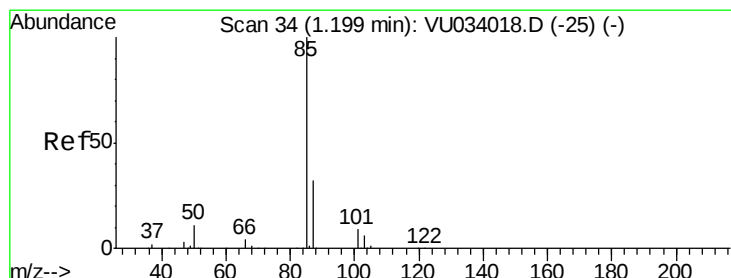
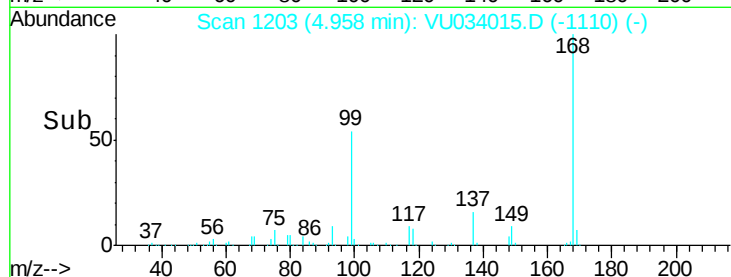
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.816 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034015.D

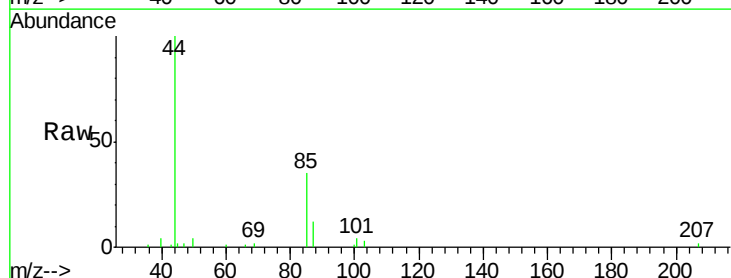
Acq: 28 Aug 2019 11:37

Tgt Ion: 85 Resp: 3426

Ion Ratio Lower Upper

85 100

87 33.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034018.D (-25) (-)

Ion 86.90 (86.60 to 87.60): VU034018.D (-25) (-)

1.20

4000

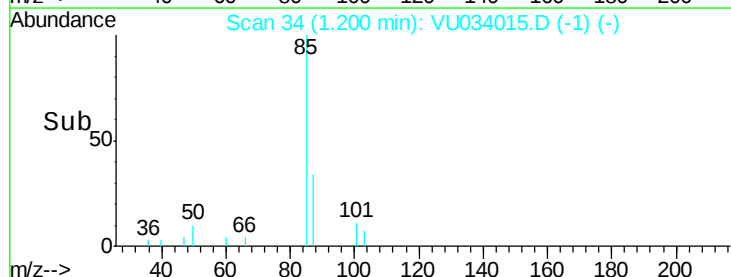
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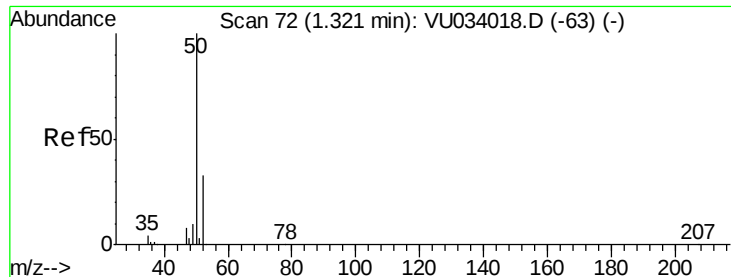
2000

1000

0

Time-->





#3

Chloromethane

Concen: 1.536 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 8163

Ion Ratio Lower Upper

50 100

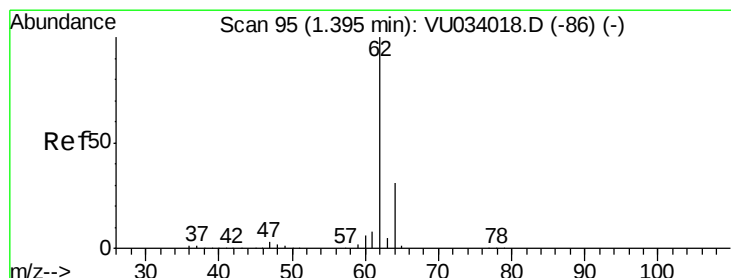
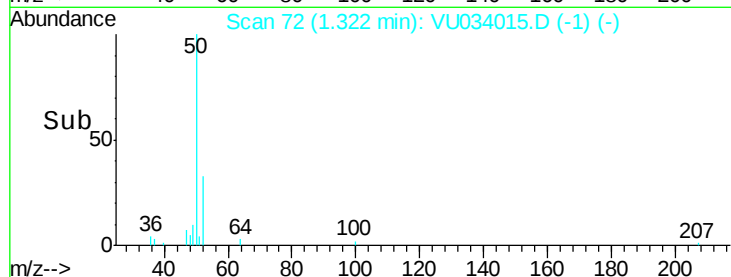
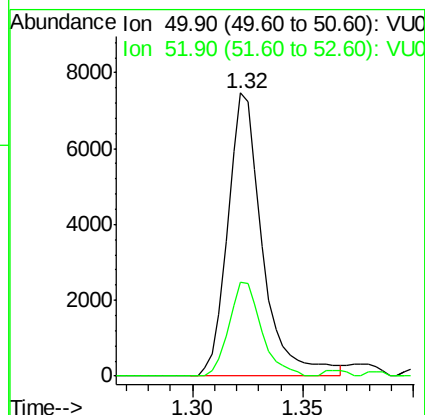
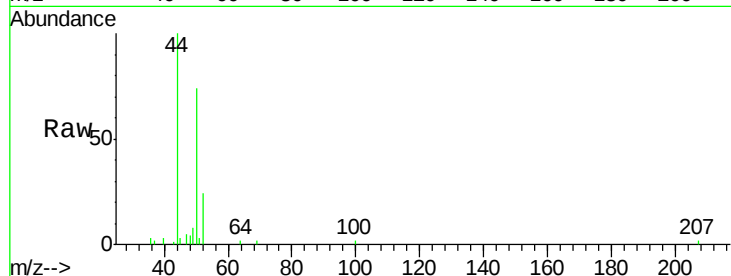
52 33.0 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.201 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034015.D

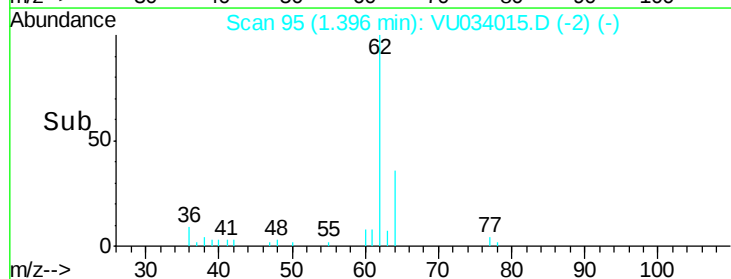
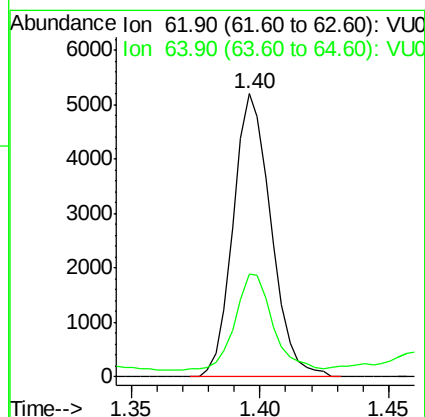
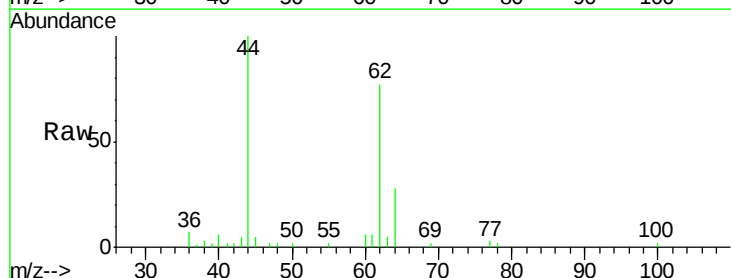
Acq: 28 Aug 2019 11:37

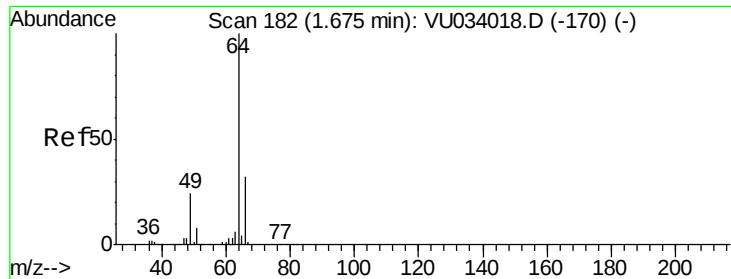
Tgt Ion: 62 Resp: 5331

Ion Ratio Lower Upper

62 100

64 33.5 25.0 37.6





#6

Chloroethane

Concen: 1.353 ug/l

RT: 1.68 min Scan# 184

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 3571

Ion Ratio Lower Upper

64 100

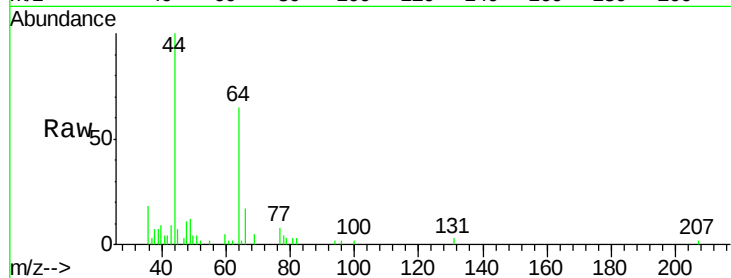
66 27.4 25.5 38.3

Manual Integrations

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MMDadoda

8/29/2019 8:27:22 AM



Abundance Ion 63.90 (63.60 to 64.60): VU034015.D (-170) (-)

Ion 65.90 (65.60 to 66.60): VU034015.D (-170) (-)

1.68

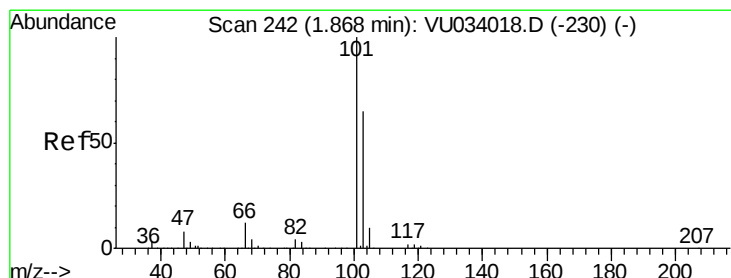
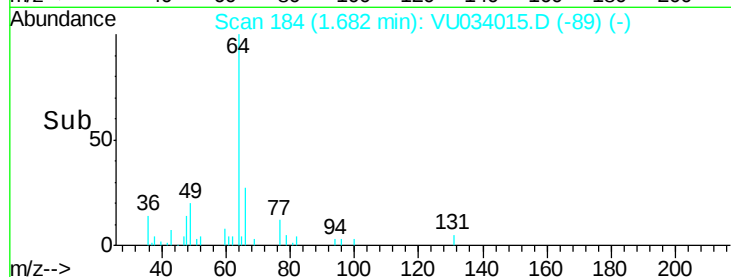
3000

2000

1000

0

Time-->



#7

Trichlorofluoromethane

Concen: 1.112 ug/l

RT: 1.87 min Scan# 243

Delta R.T. 0.00 min

Lab File: VU034015.D

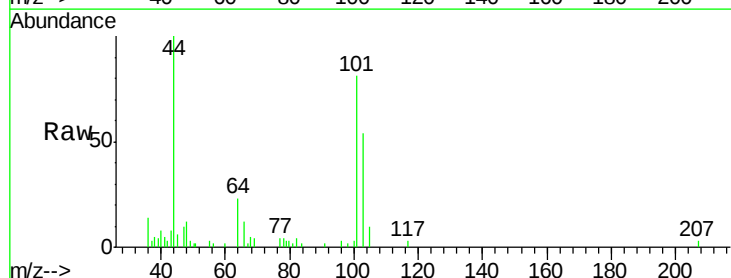
Acq: 28 Aug 2019 11:37

Tgt Ion: 101 Resp: 6270

Ion Ratio Lower Upper

101 100

103 67.1 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): VU034015.D (-230) (-)

Ion 102.80 (102.50 to 103.50): VU034015.D (-230) (-)

1.87

5000

4000

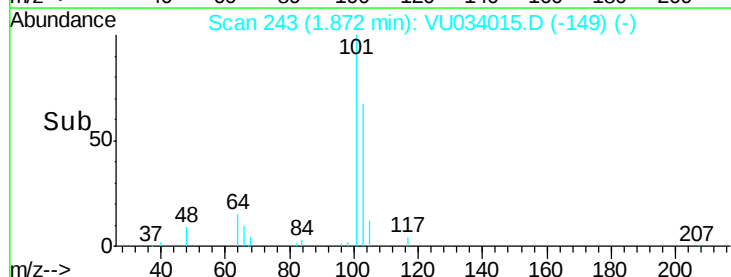
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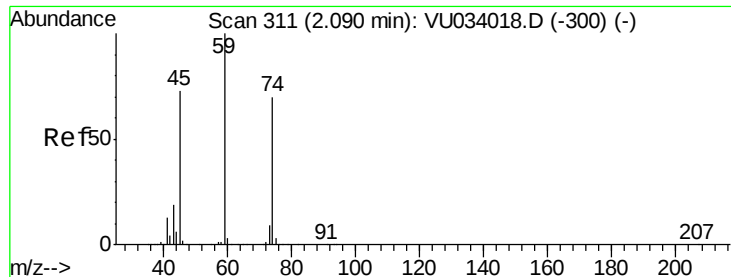
2000

1000

0

Time-->





#8

Diethyl Ether

Concen: 1.218 ug/l

RT: 2.09 min Scan# 312

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 2669

Ion Ratio Lower Upper

74 100

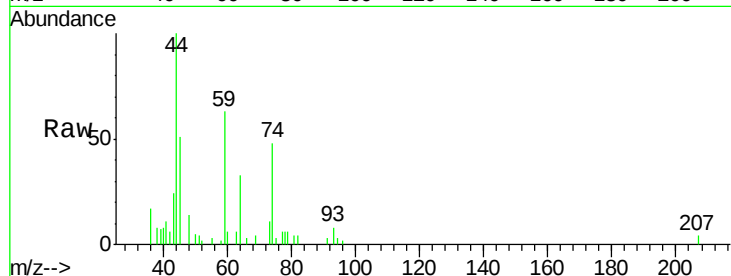
45 116.1 51.8 155.5

Manual Integrations

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Abundance Ion 74.00 (73.70 to 74.70): VU034018.D (-300) (-)

Ion 45.00 (44.70 to 45.70): VU034018.D (-300) (-)

2000

1500

1000

500

0

Time-->

2.05

2.10

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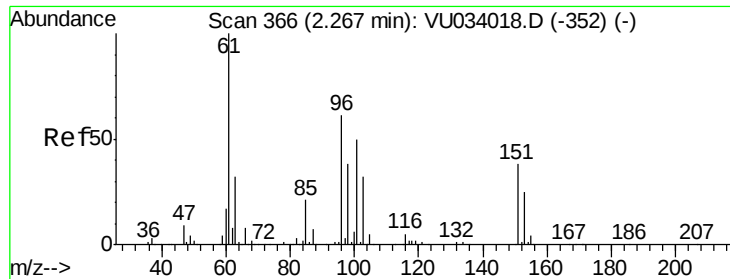
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14.65

14.



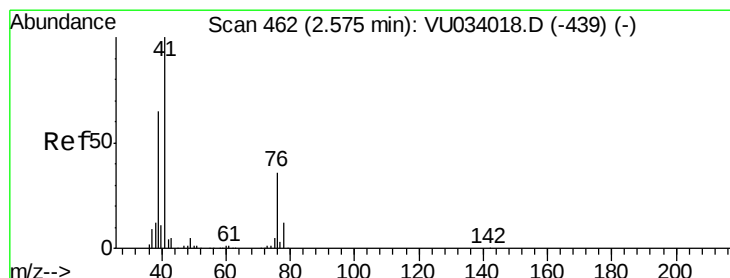
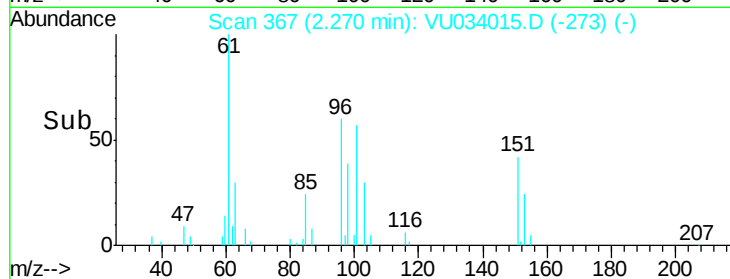
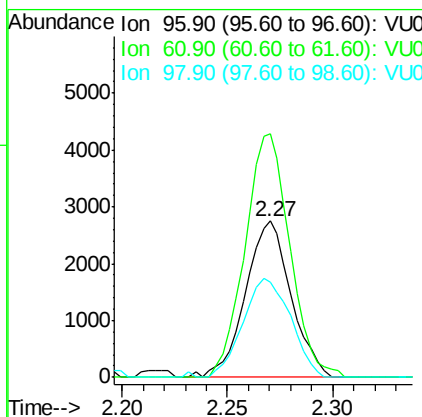
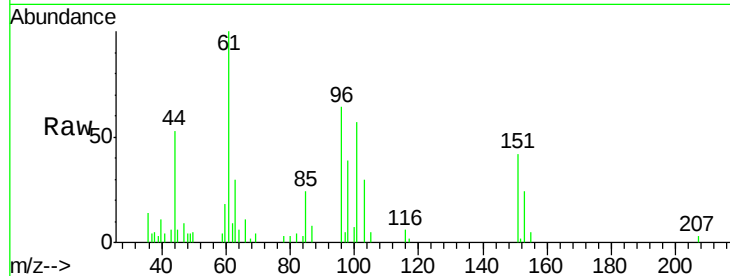
#12
 1,1-Dichloroethene
 Concen: 1.105 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.1	131.3	196.9
98	60.7	50.3	75.5

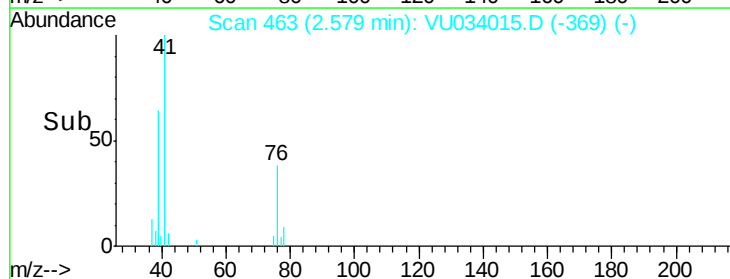
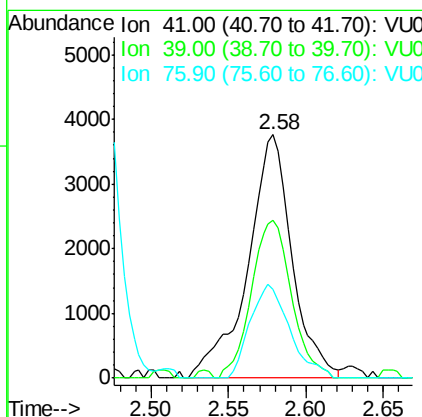
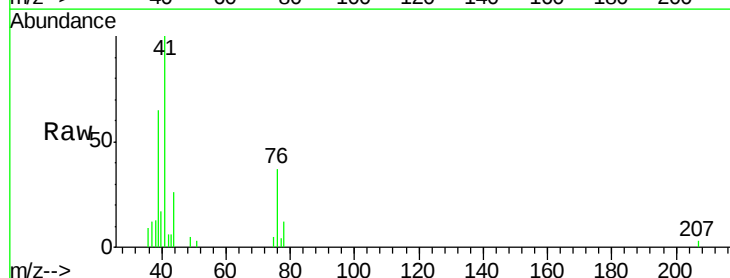
Manual Integrations
 APPROVED

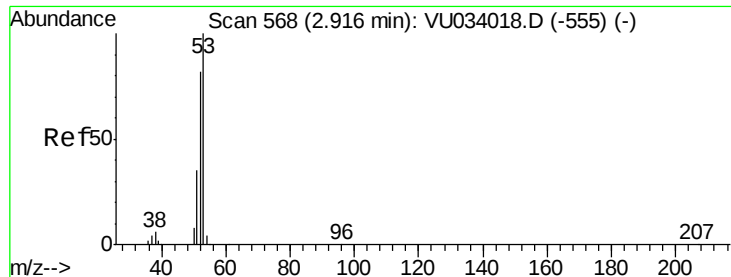
MMDadoda
 8/29/2019 8:27:22 AM



#14
 Allyl chloride
 Concen: 1.124 ug/l
 RT: 2.58 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.6	46.8	70.2
76	34.5	26.6	40.0





#15

Acrylonitrile

Concen: 4.957 ug/l

RT: 2.93 min Scan# 572

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

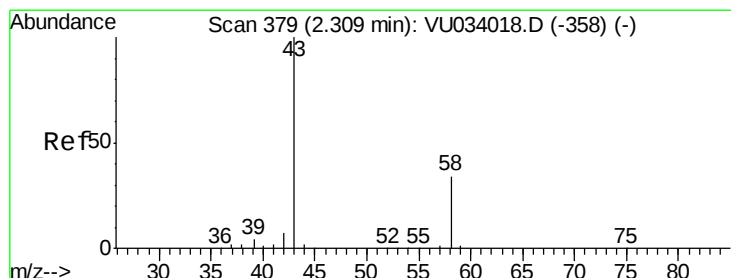
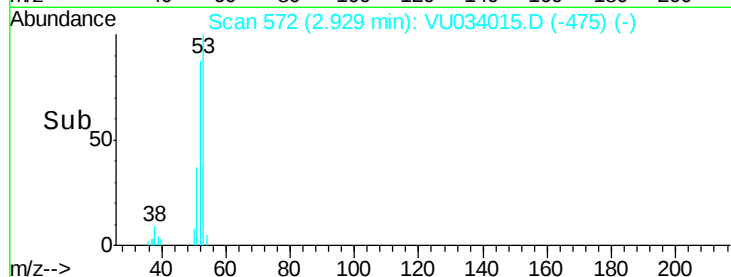
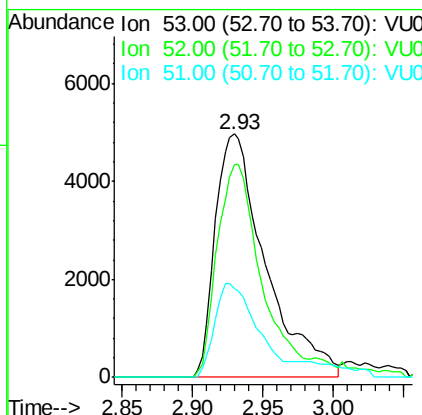
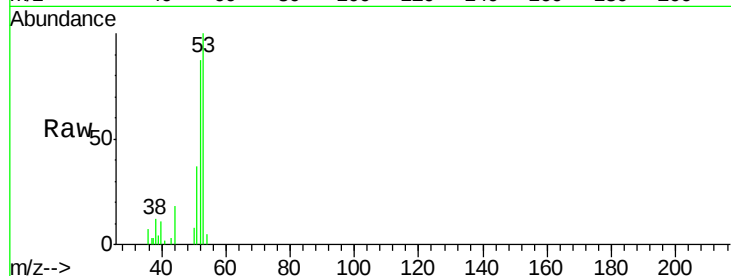
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	12321
Ion	Ratio	Lower	Upper
53	100		
52	75.9	65.7	98.5
51	32.4	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 5.893 ug/l

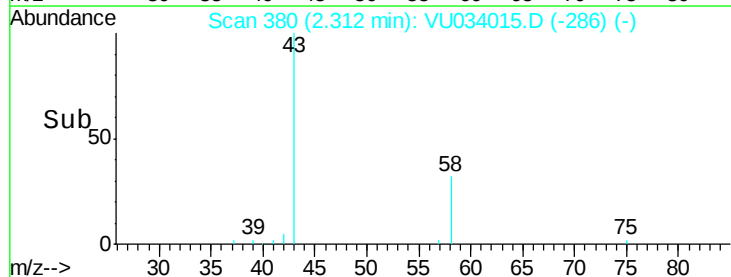
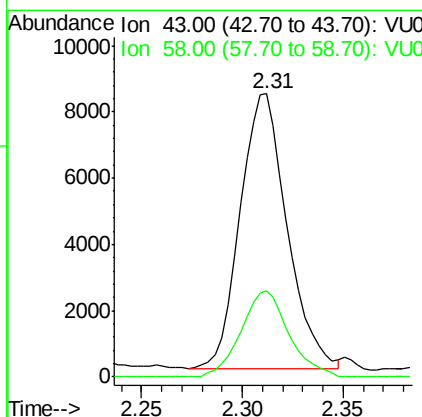
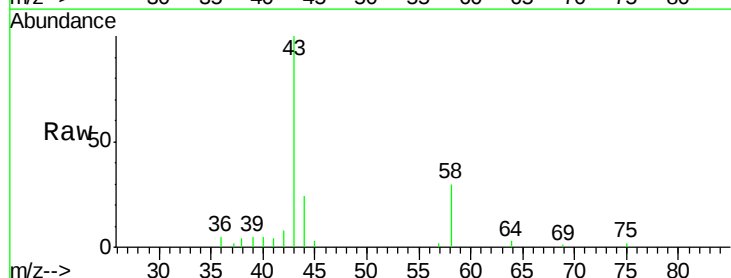
RT: 2.31 min Scan# 380

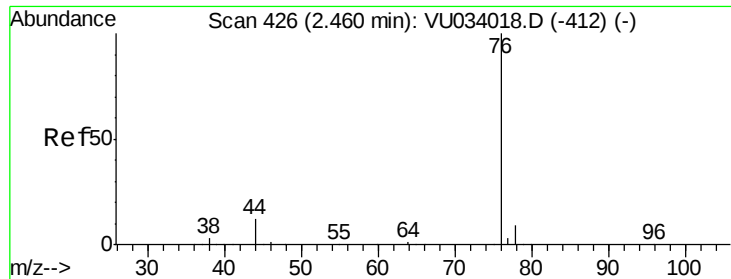
Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Tgt Ion:	43	Resp:	13484
Ion	Ratio	Lower	Upper
43	100		
58	31.3	26.8	40.2





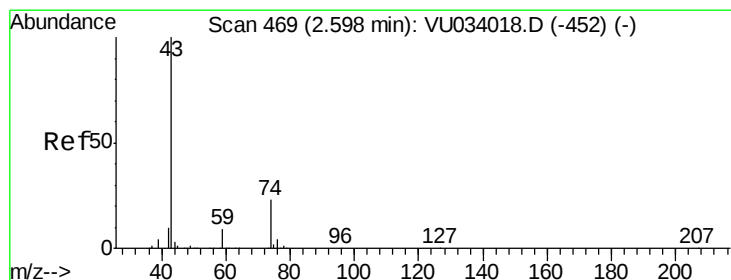
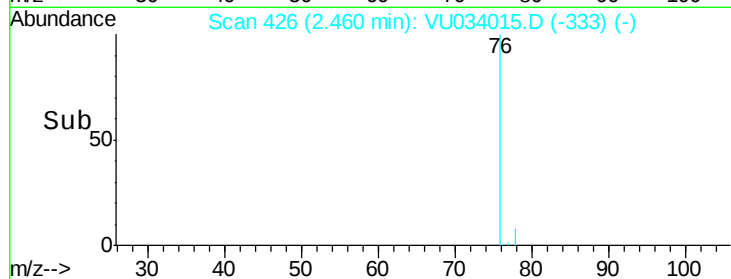
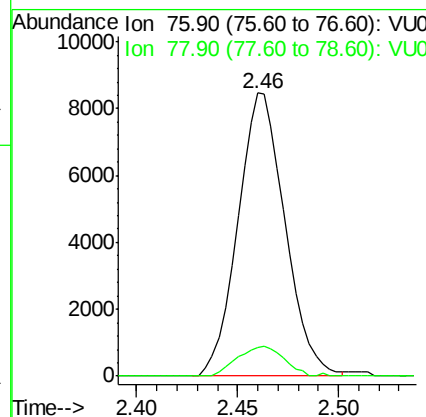
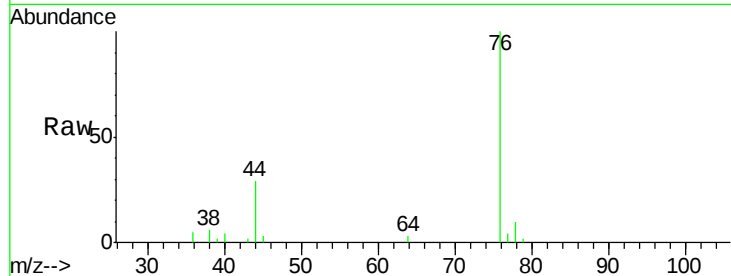
#17
Carbon Disulfide
Concen: 1.133 ug/l
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.1	10.7

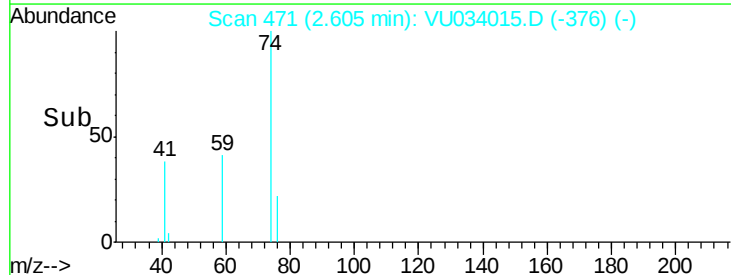
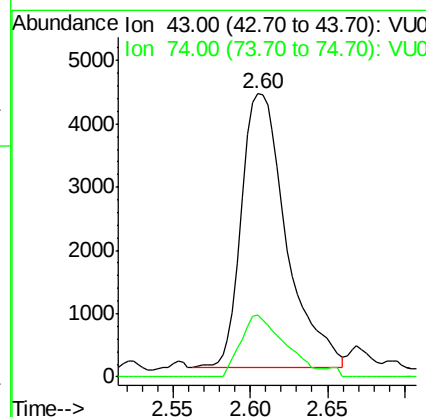
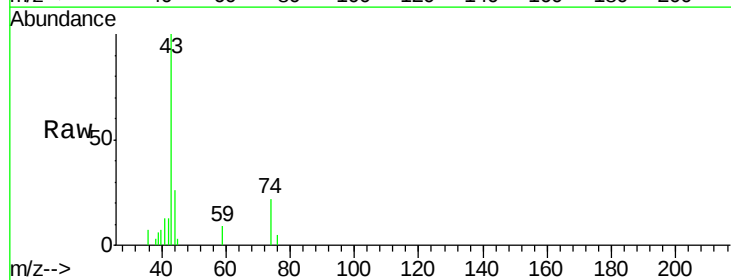
Manual Integrations
APPROVED

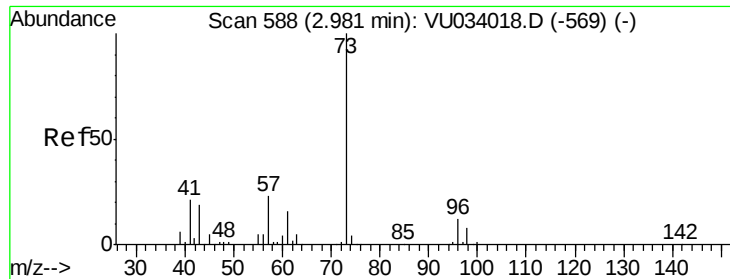
MMDadoda
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#18
Methyl Acetate
Concen: 1.565 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	19.2	28.8





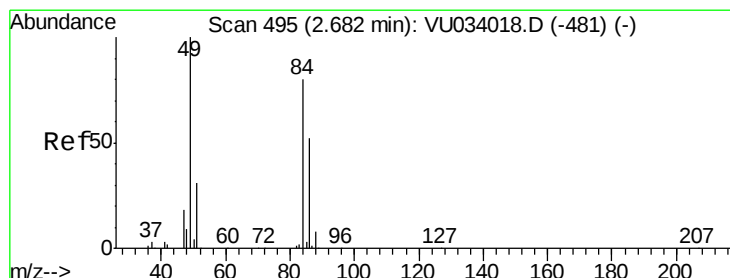
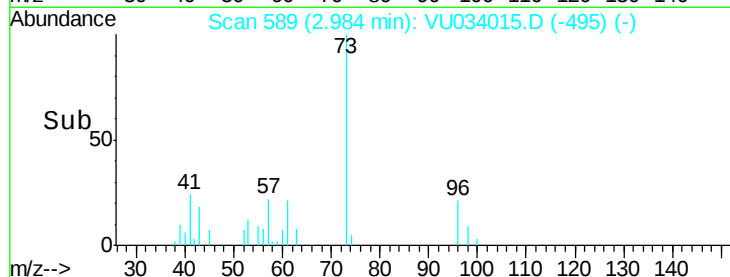
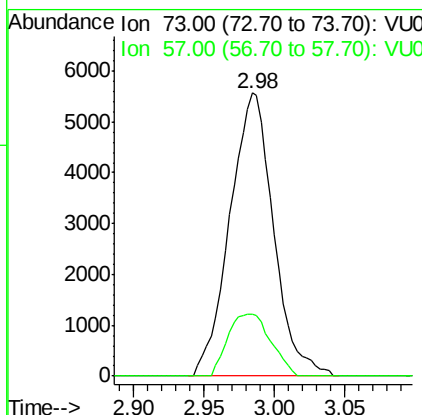
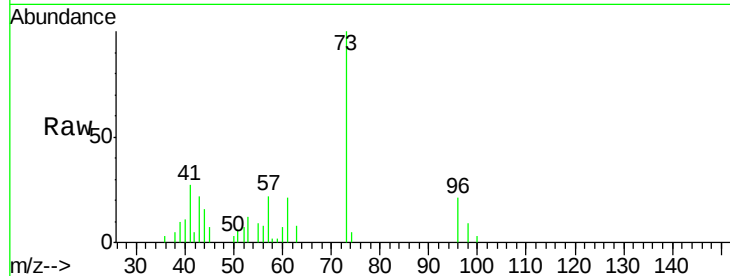
#19
Methvl tert-butvl Ether
Concen: 0.964 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.3	27.5

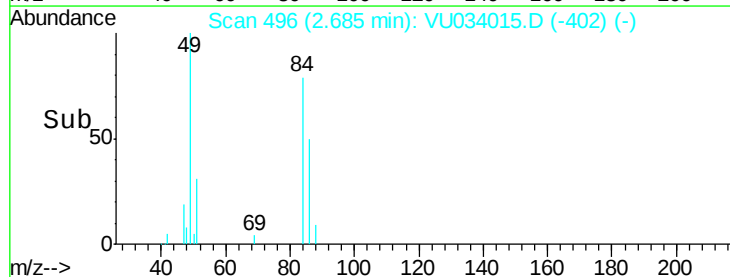
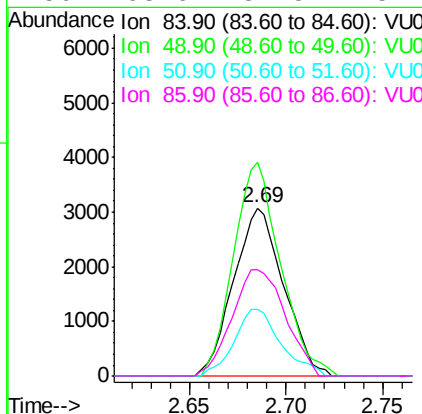
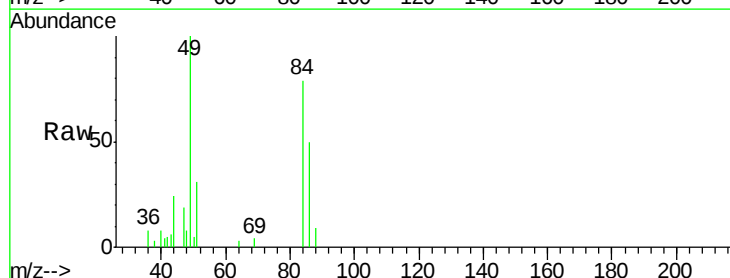
Manual Integrations
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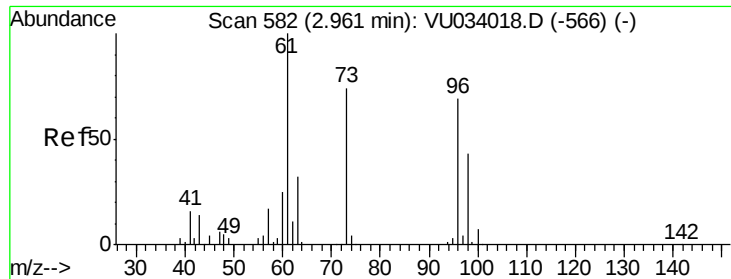
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#20
Methylene Chloride
Concen: 1.161 ug/l
RT: 2.69 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.1	100.2	150.4
51	40.0	30.8	46.2
86	63.6	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 1.023 ug/l

RT: 2.97 min Scan# 585

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

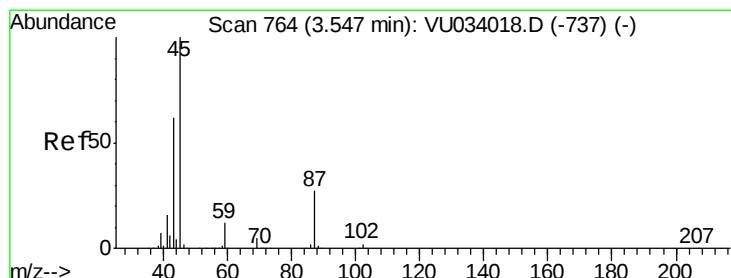
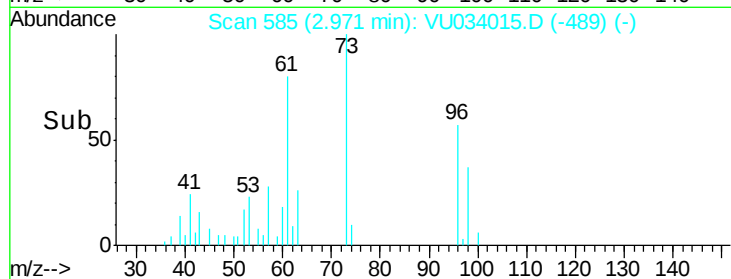
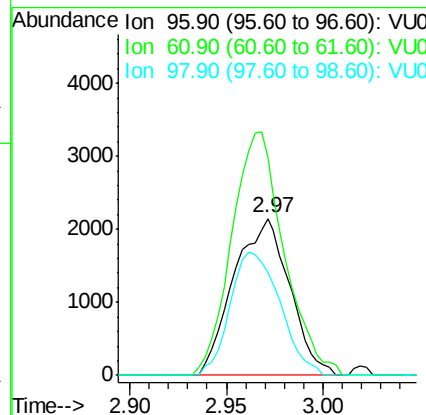
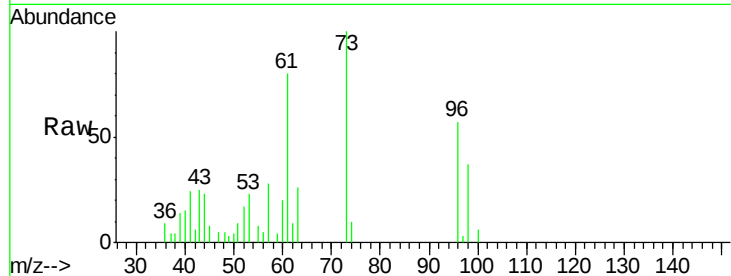
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	4311
Ion	Ratio	Lower	Upper
96	100		
61	139.1	115.5	173.3
98	65.6	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 1.033 ug/l

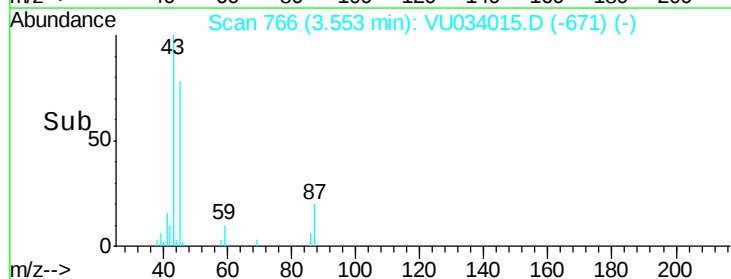
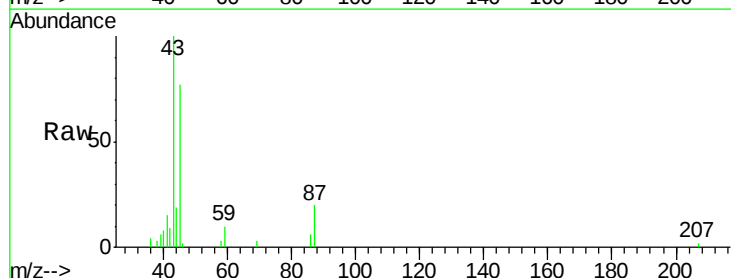
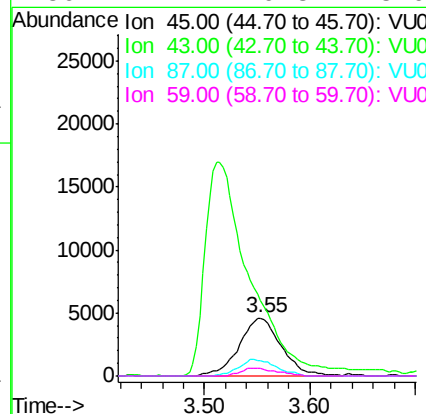
RT: 3.55 min Scan# 766

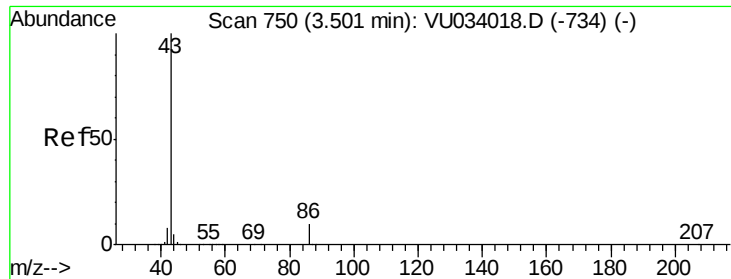
Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Tgt Ion:	45	Resp:	12705
Ion	Ratio	Lower	Upper
45	100		
43	116.3	49.7	74.5#
87	25.5	21.8	32.8
59	12.7	9.3	13.9





#23

Vinyl Acetate

Concen: 4.864 ug/l

RT: 3.51 min Scan# 754

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 50989

Ion Ratio Lower Upper

43 100

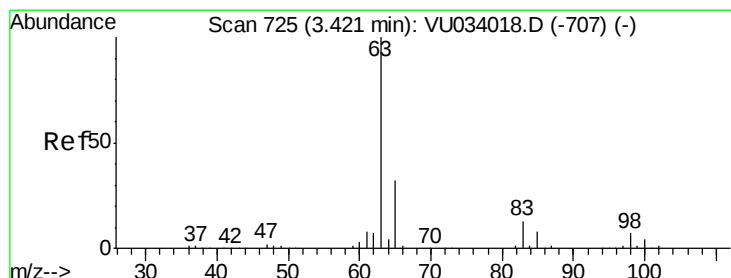
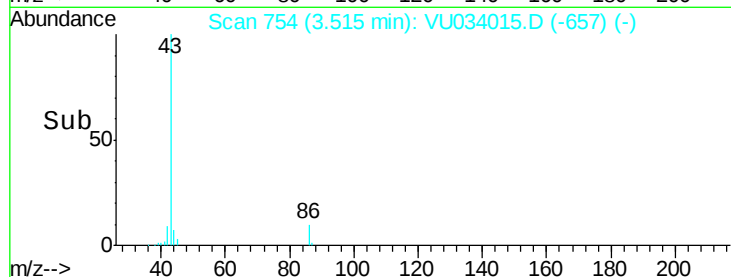
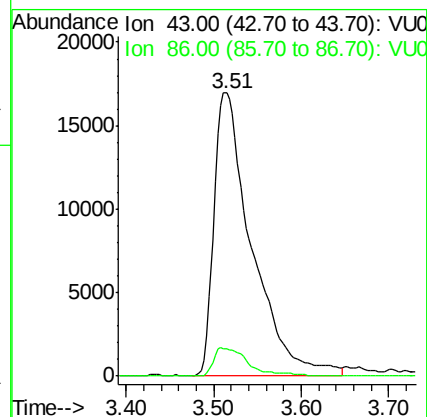
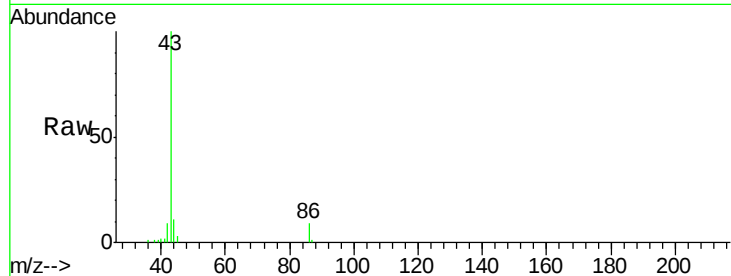
86 9.5 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 1.026 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

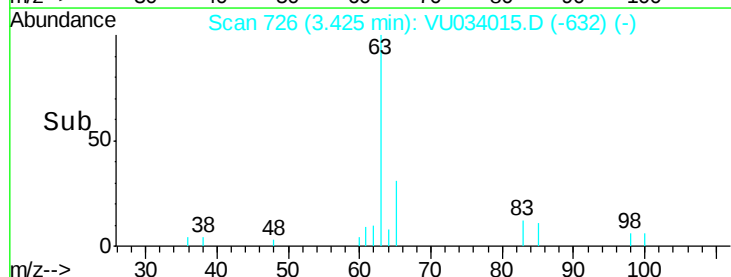
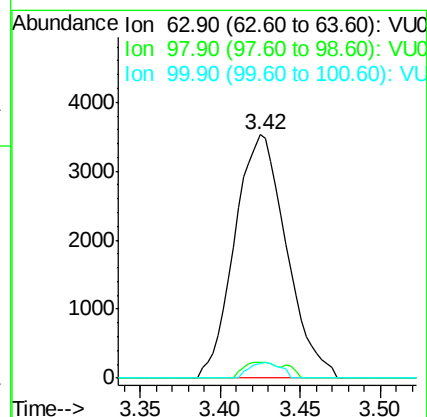
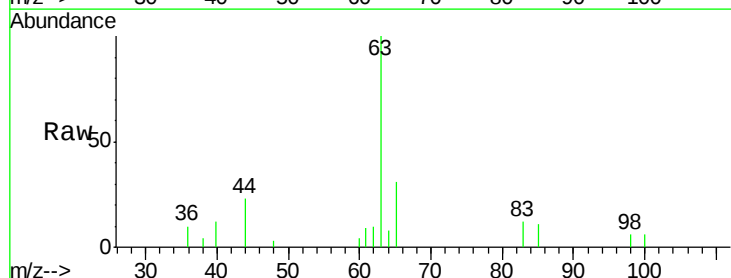
Tgt Ion: 63 Resp: 7790

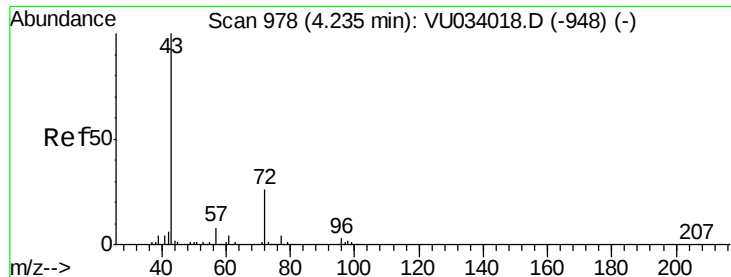
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 6.0 2.0 6.0#





#25

2-Butanone

Concen: 4.407 ug/l

RT: 4.26 min Scan# 987

Delta R.T. 0.03 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 14474

Ion Ratio Lower Upper

43 100

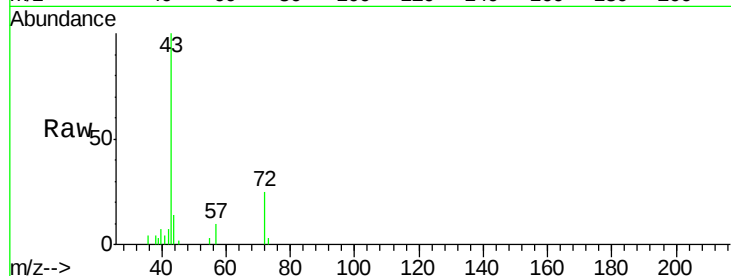
72 25.8 21.2 31.8

Manual Integrations

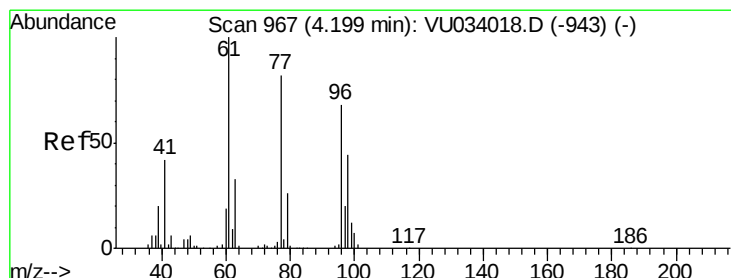
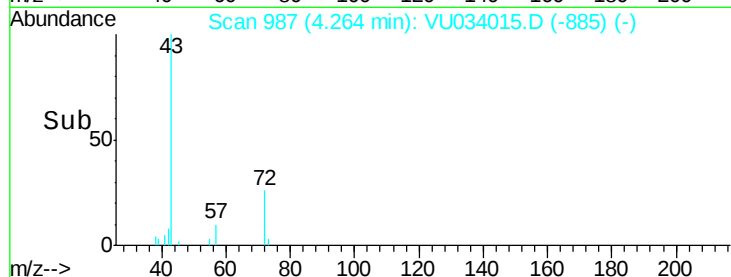
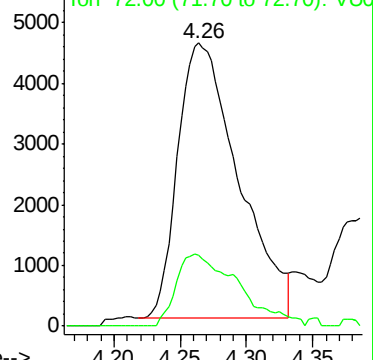
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Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-948) (-)



#26

2,2-Dichloropropane

Concen: 1.015 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU034015.D

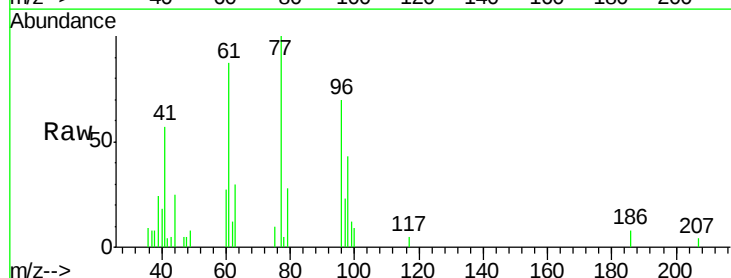
Acq: 28 Aug 2019 11:37

Tgt Ion: 77 Resp: 6485

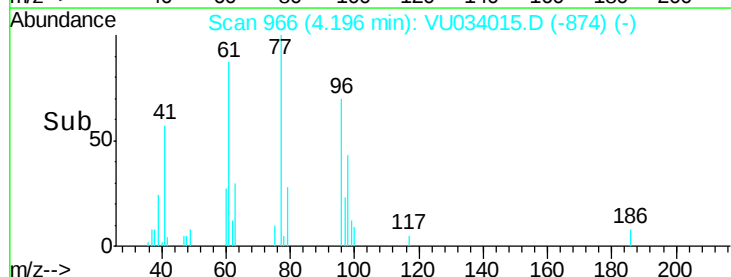
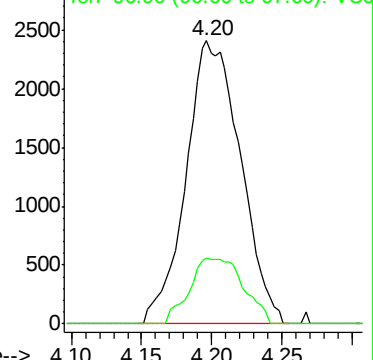
Ion Ratio Lower Upper

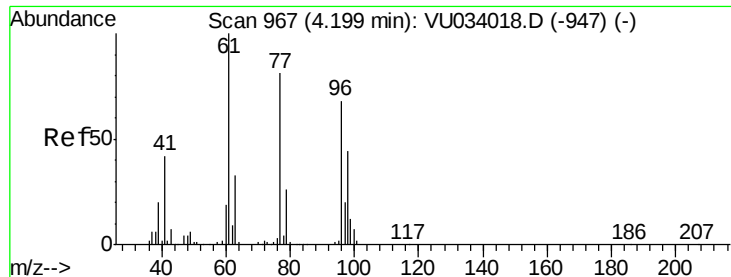
77 100

97 22.9 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VU034018.D (-943) (-)





#27

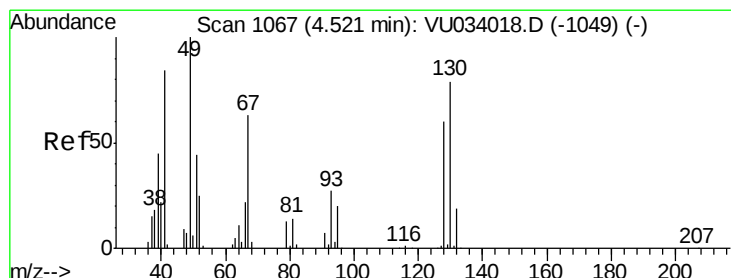
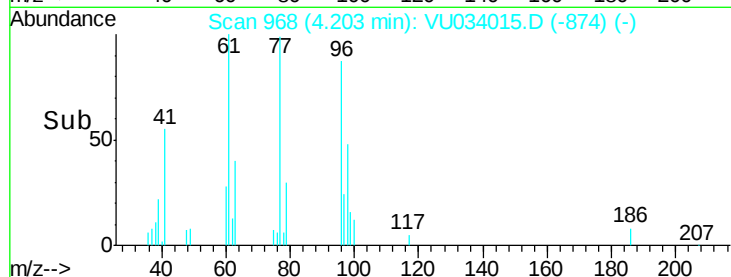
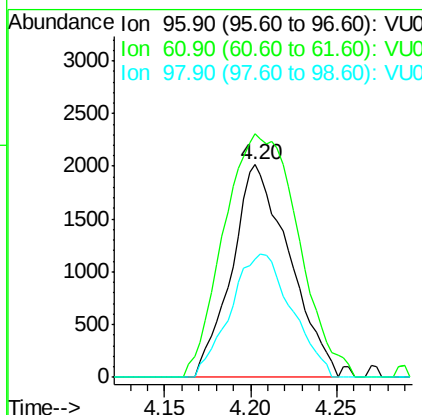
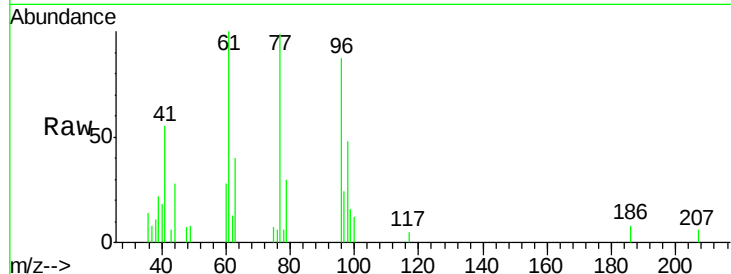
cis-1,2-Dichloroethene
 Concen: 0.994 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.8	0.0	303.0
98	61.5	0.0	129.2

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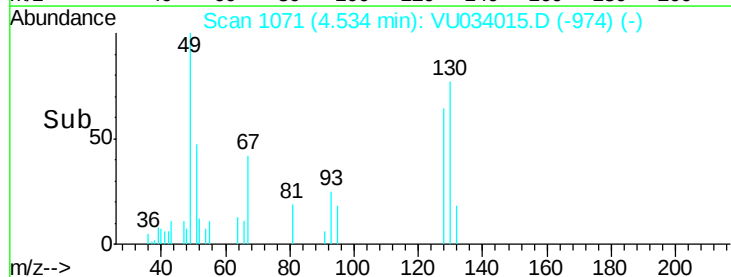
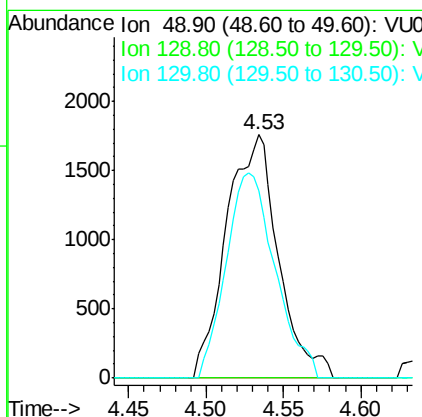
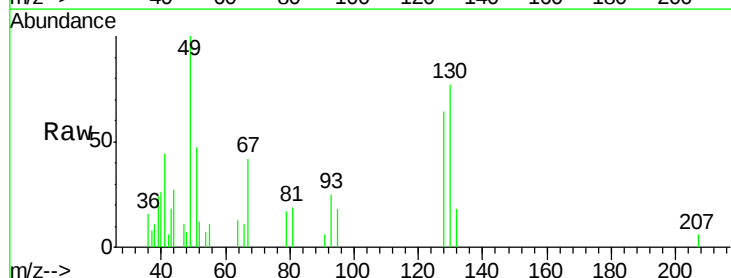
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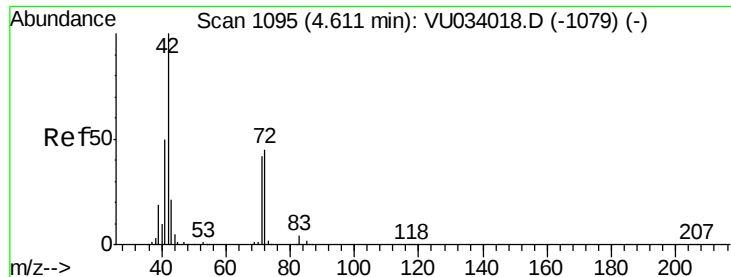


#28

Bromochloromethane
 Concen: 1.164 ug/l
 RT: 4.53 min Scan# 1071
 Delta R.T. 0.01 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	79.6	62.8	94.2





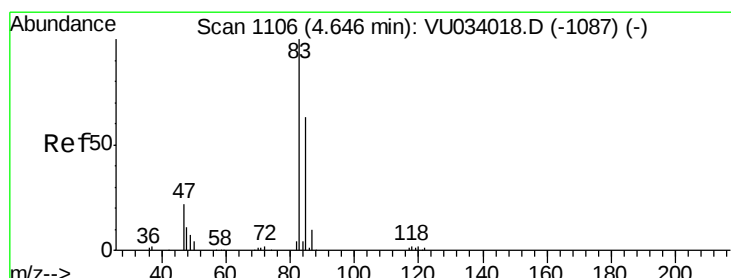
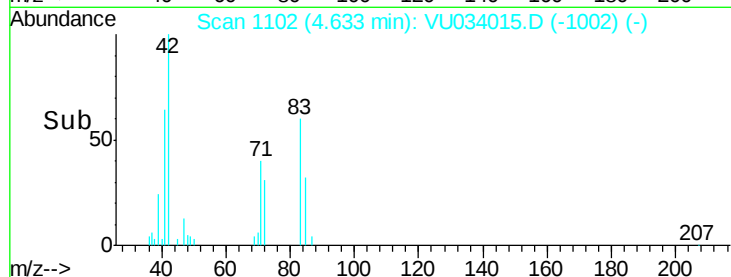
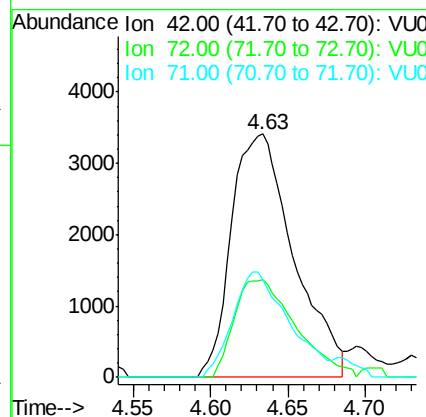
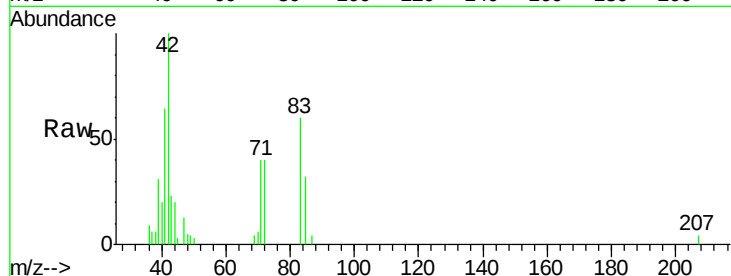
#29
Tetrahydrofuran
Concen: 4.677 ug/l
RT: 4.63 min Scan# 1102
Delta R.T. 0.02 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	35.8	53.6
71	39.3	34.0	51.0

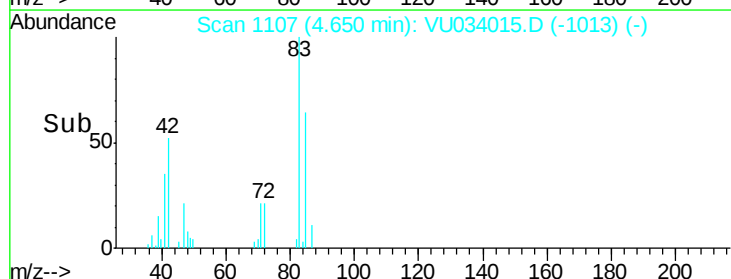
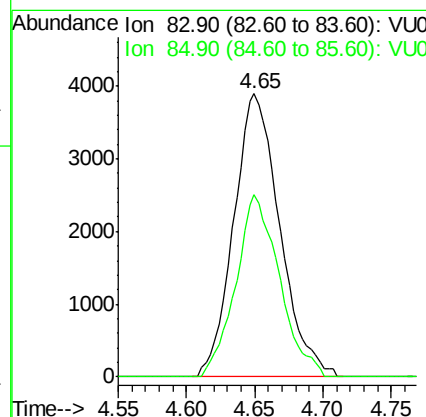
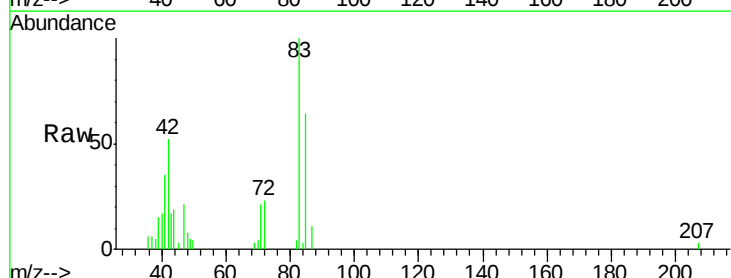
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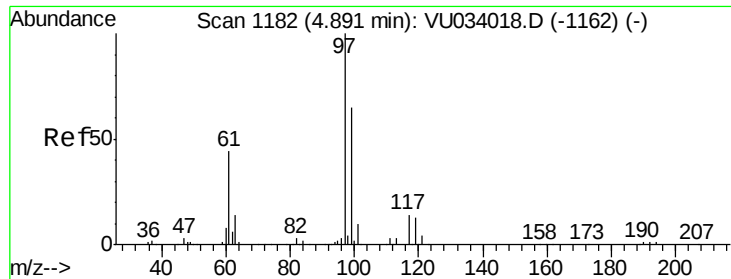
MMDadoda
8/29/2019 8:27:22 AM



#30
Chloroform
Concen: 1.182 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.7	76.1





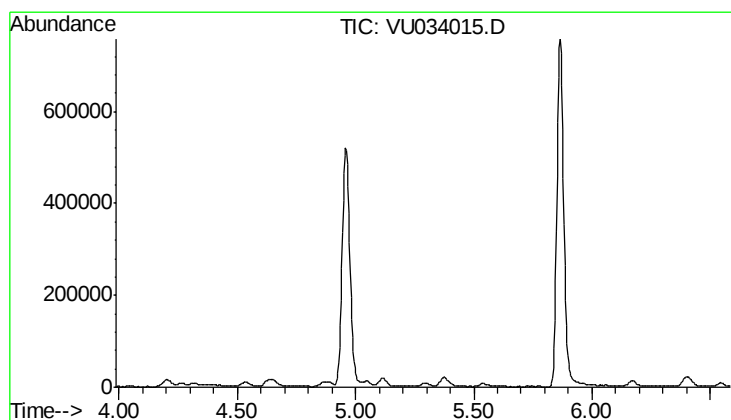
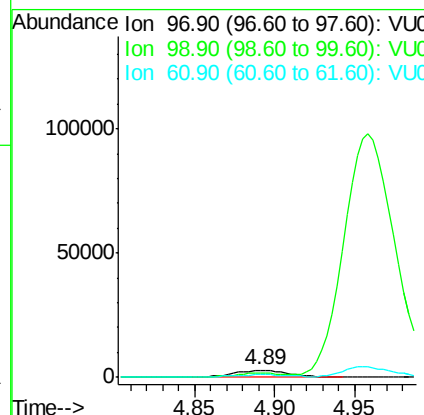
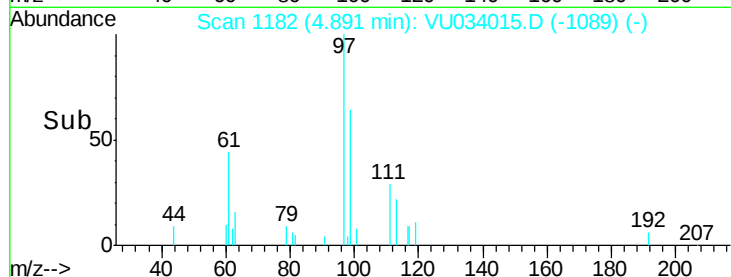
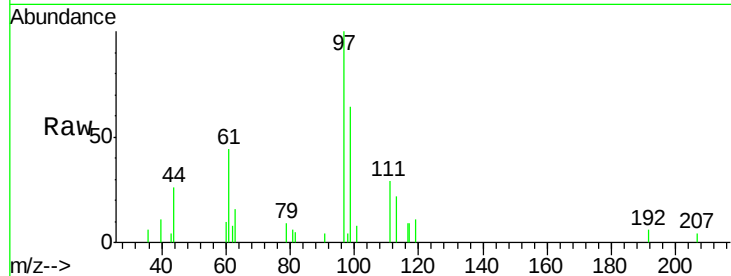
#32
 1,1,1-Trichloroethane
 Concen: 1.022 ug/l
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	51.8	77.6#	
61	40.3	35.3	52.9	

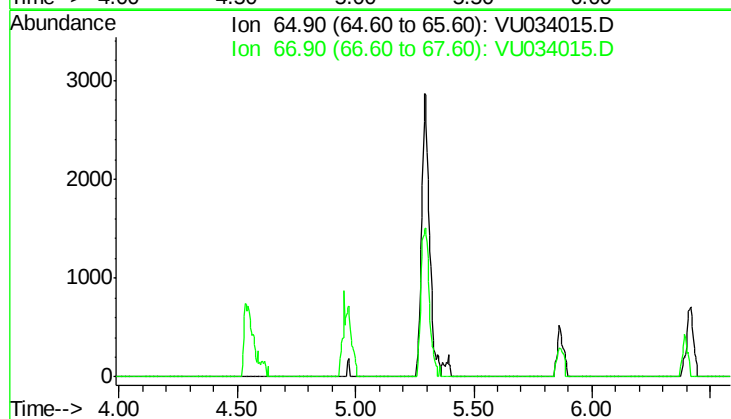
Manual Integrations
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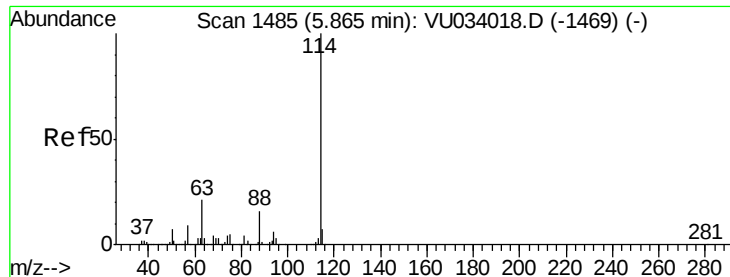
MMDadoda
 8/29/2019 8:27:22 AM



#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 5.29 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion	Sig	Exp Ratio
65	100	
67	55.3	





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

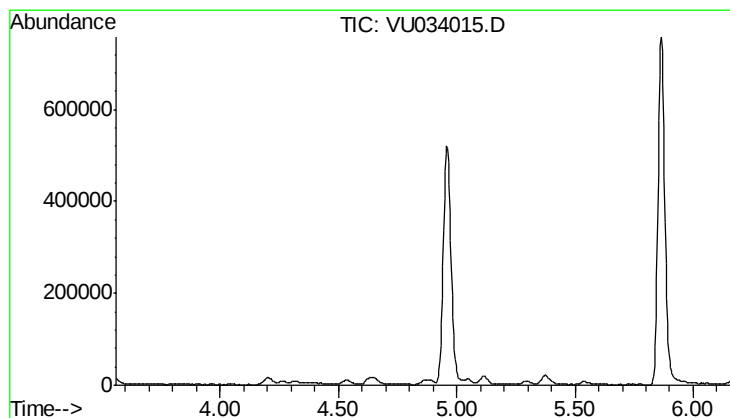
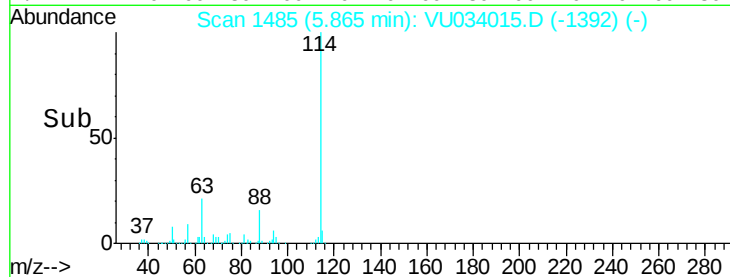
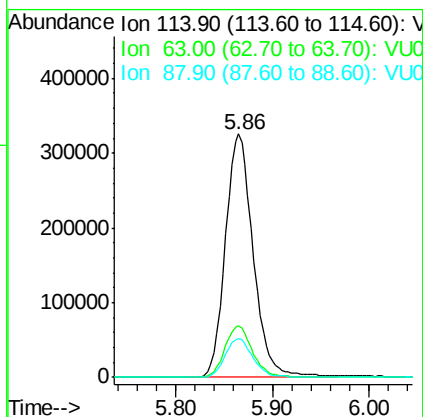
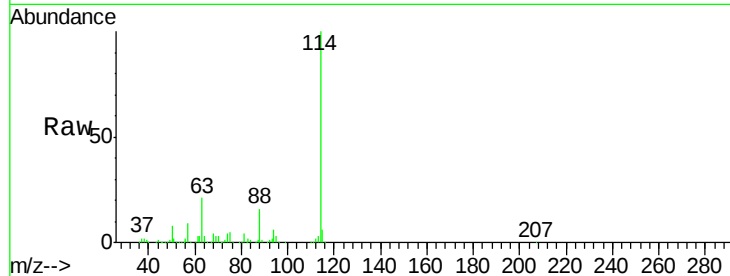
ClientSampleId :

VSTDIC001

Tot Ion:	114	Resp:	650493
Ion Ratio	Lower	Upper	
114	100		
63	21.0	0.0	42.0
88	15.8	0.0	32.0

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#35

Dibromofluoromethane

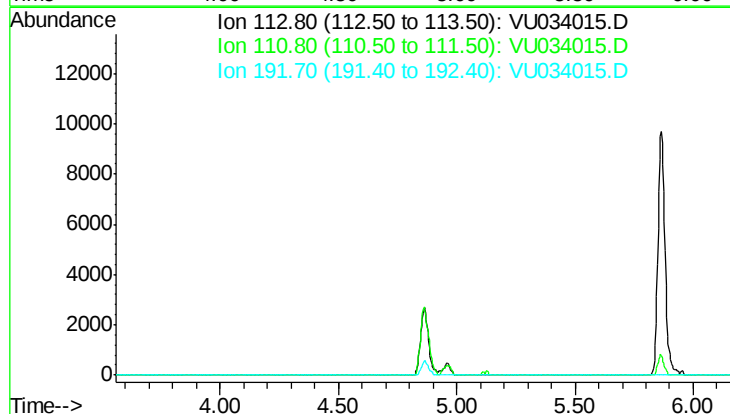
Concen: 0.000 ug/l

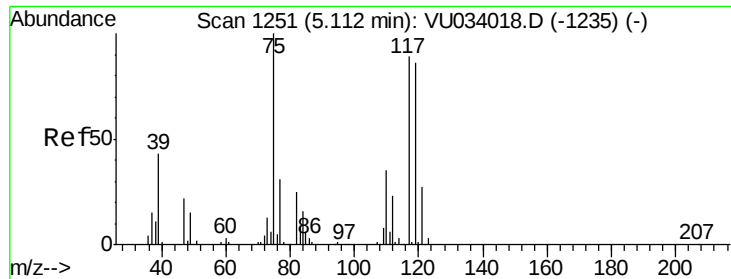
Expected RT: 4.86 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Tgt Ion:	113
Sig	Exp Ratio
113	100
111	102.1
192	21.4





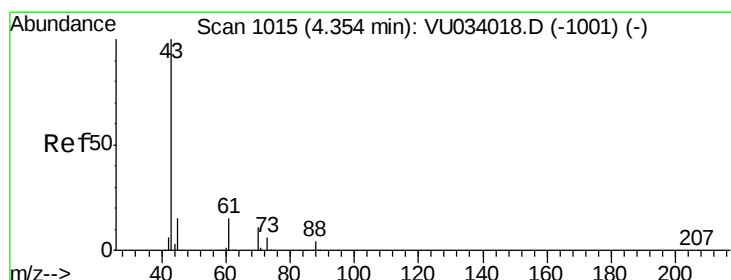
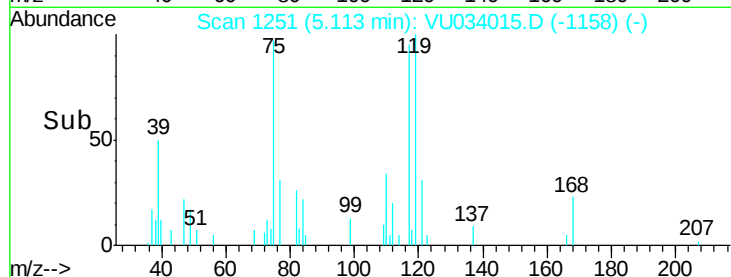
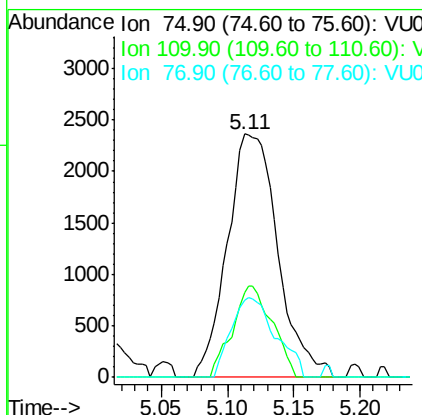
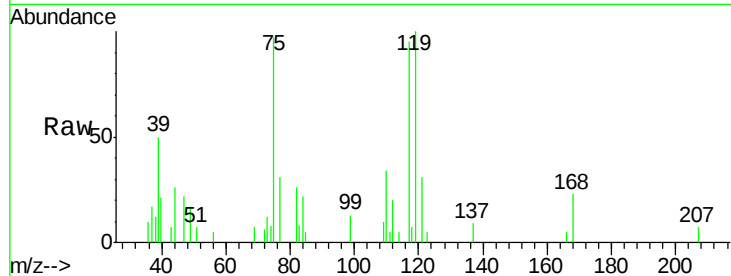
#36
 1,1-Dichloropropene
 Concen: 1.027 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	29.5	17.8	53.5
77	28.9	25.0	37.4

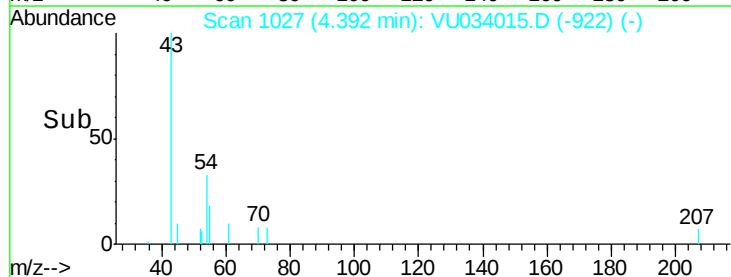
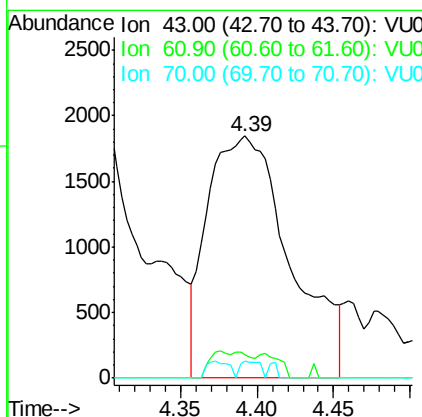
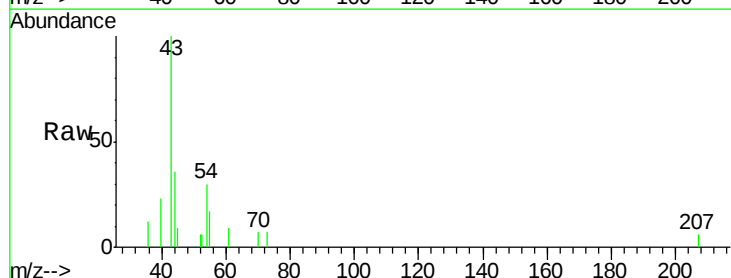
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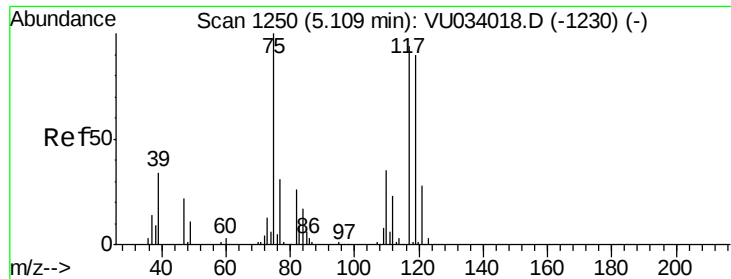
MMDadoda
 8/29/2019 8:27:22 AM



#37
 Ethyl Acetate
 Concen: 1.110 ug/l m
 RT: 4.39 min Scan# 1027
 Delta R.T. 0.04 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	1.7	8.6	12.8#





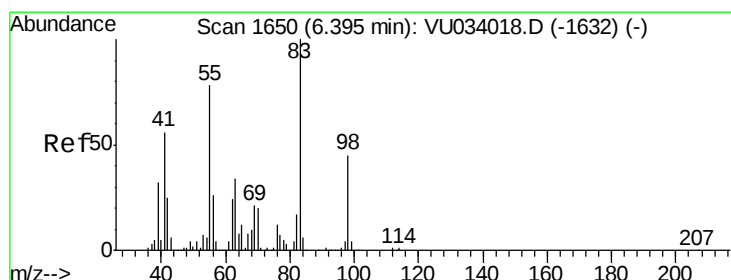
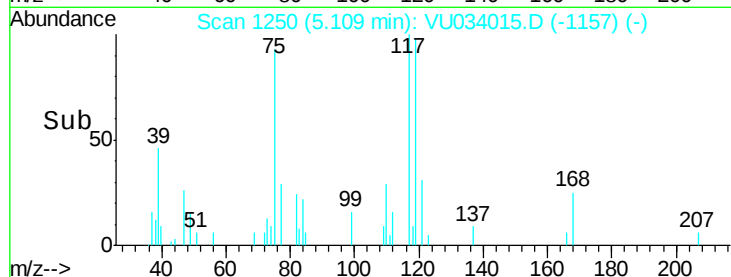
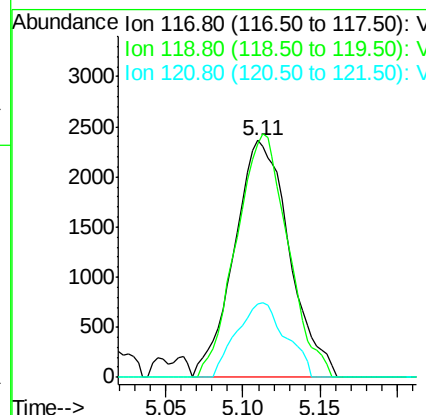
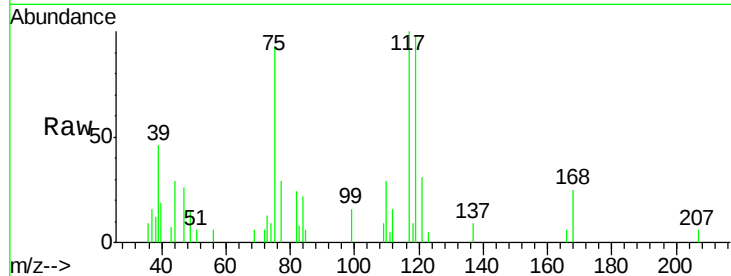
#38
Carbon Tetrachloride
Concen: 0.953 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.0	115.4
121	31.1	23.9	35.9

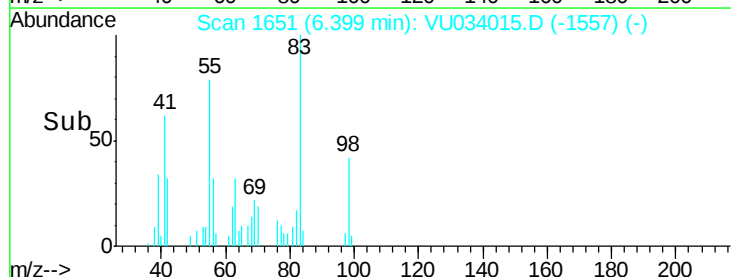
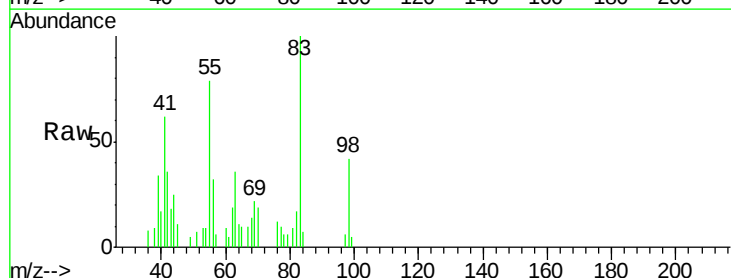
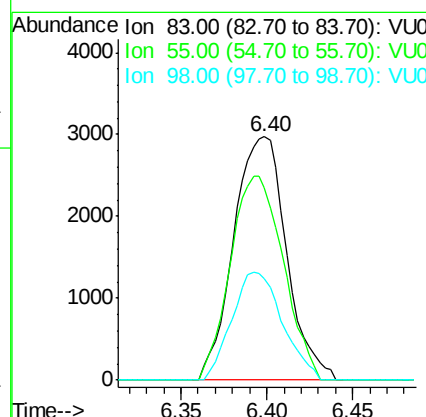
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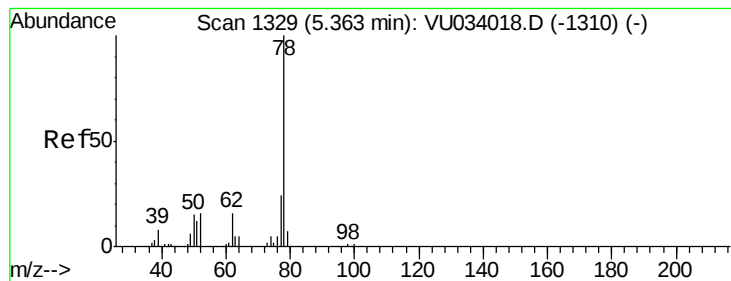
MMDadoda
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#39
Methylcyclohexane
Concen: 0.883 ug/l
RT: 6.40 min Scan# 1651
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.8	62.3	93.5
98	41.6	36.2	54.2





#40

Benzene

Concen: 0.957 ug/l

RT: 5.37 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 17362

Ion Ratio Lower Upper

78 100

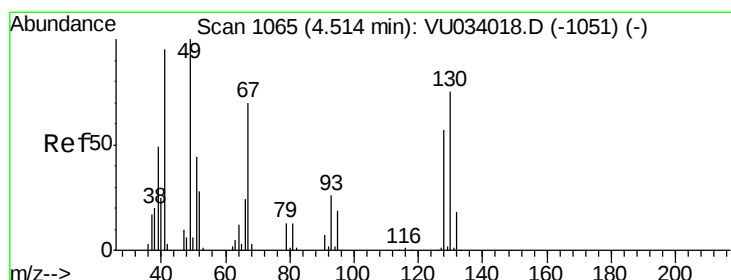
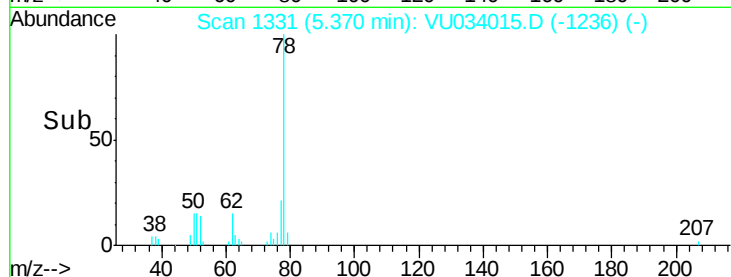
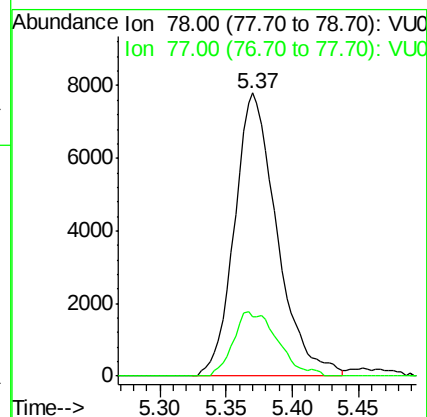
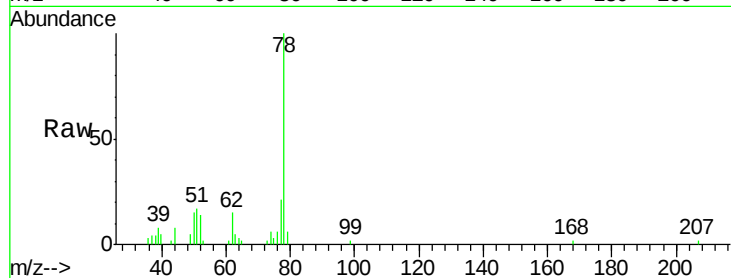
77 21.0 19.0 28.6

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#41

Methacrylonitrile

Concen: 0.840 ug/l

RT: 4.54 min Scan# 1074

Delta R.T. 0.03 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Tgt Ion: 41 Resp: 2719

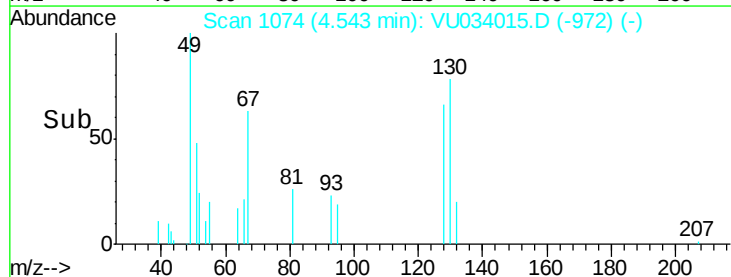
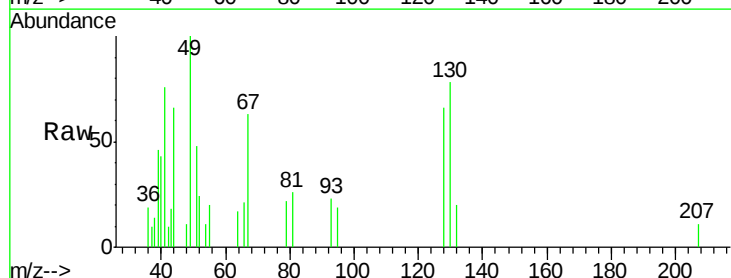
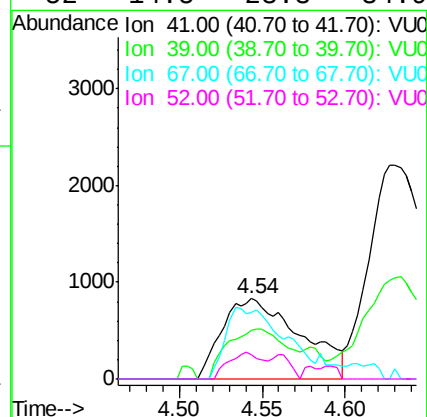
Ion Ratio Lower Upper

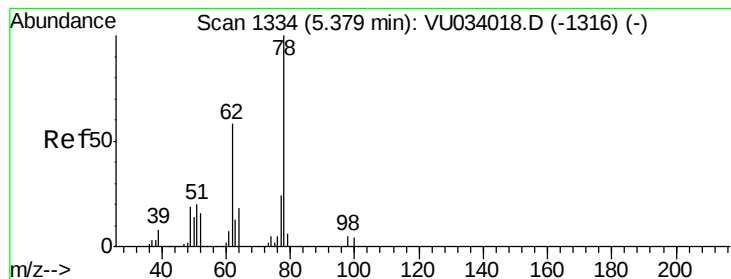
41 100

39 47.1 42.1 63.1

67 66.1 61.0 91.4

52 14.5 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 1.028 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 6328

Ion Ratio Lower Upper

62 100

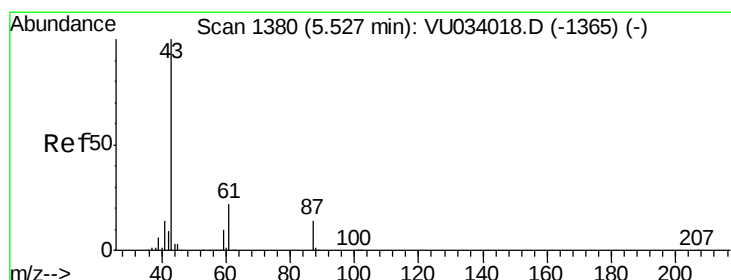
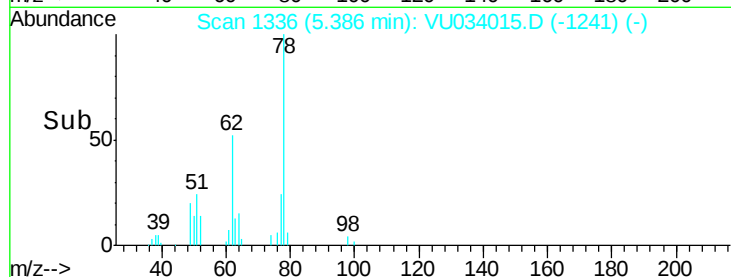
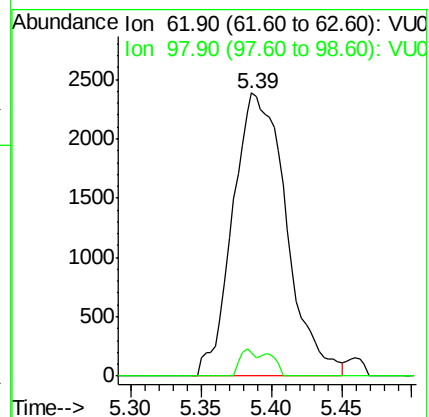
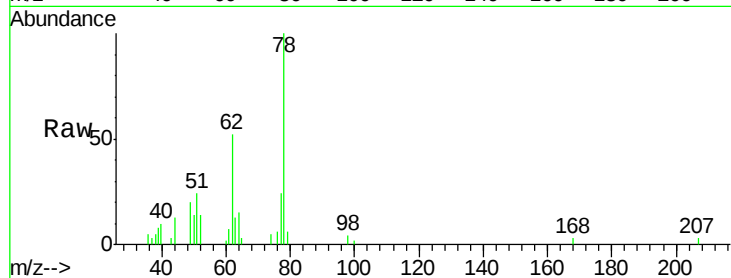
98 2.7 0.0 18.2

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#43

Isopropyl Acetate

Concen: 0.947 ug/l

RT: 5.54 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

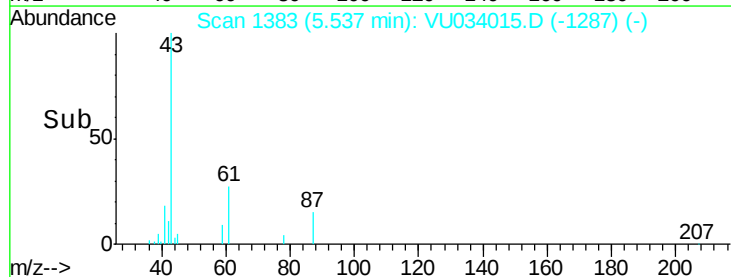
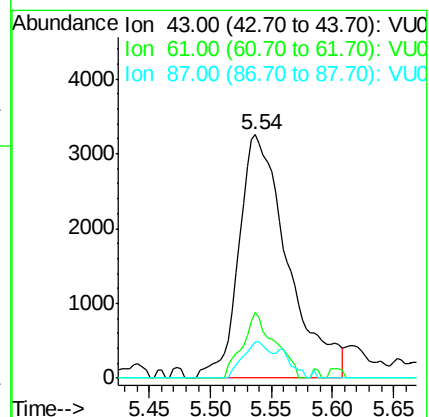
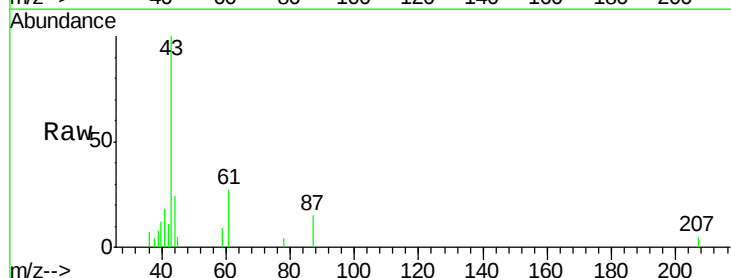
Tgt Ion: 43 Resp: 9048

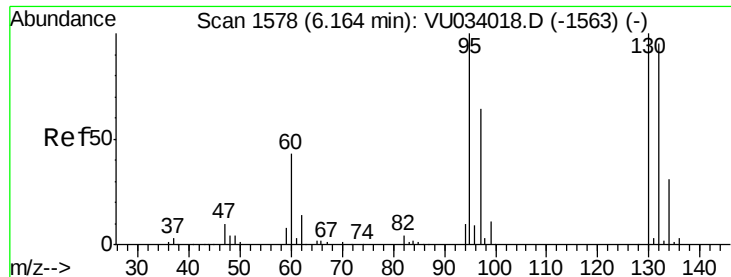
Ion Ratio Lower Upper

43 100

61 17.7 17.2 25.8

87 7.8 10.8 16.2#





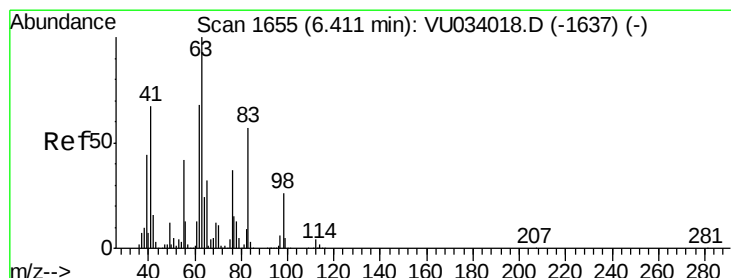
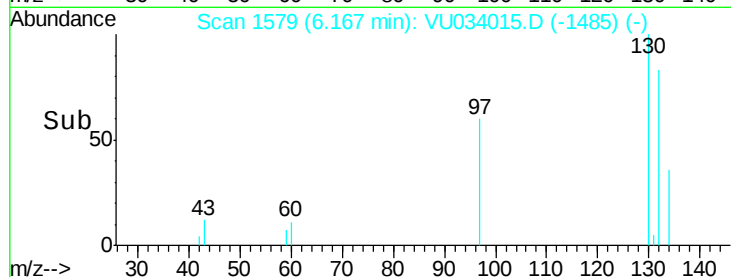
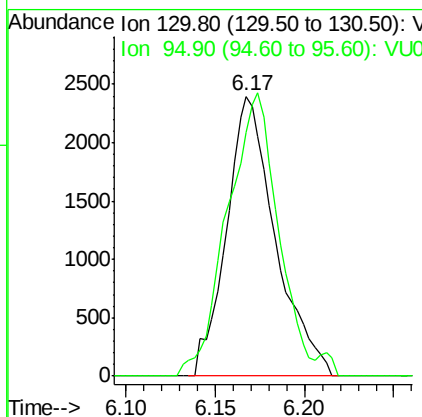
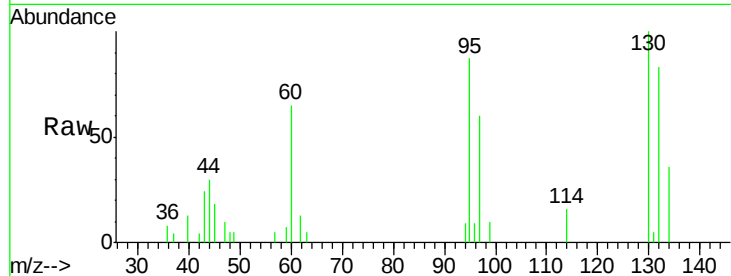
#44
 Trichloroethene
 Concen: 0.896 ug/l
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 4559
 Ion Ratio Lower Upper
 130 100
 95 87.1 0.0 199.6

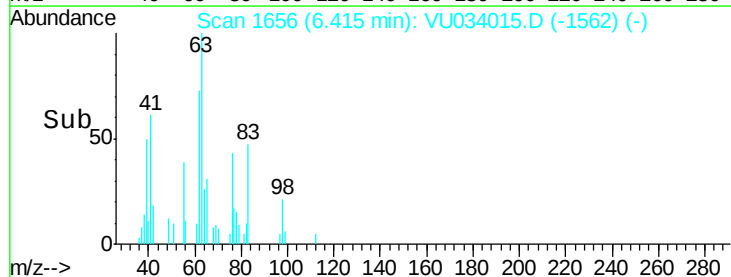
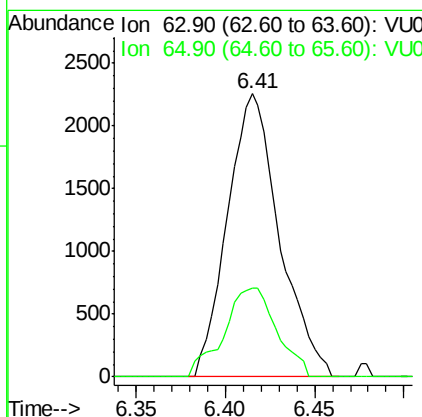
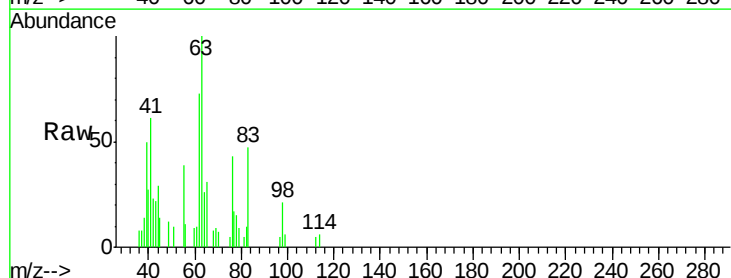
Manual Integrations
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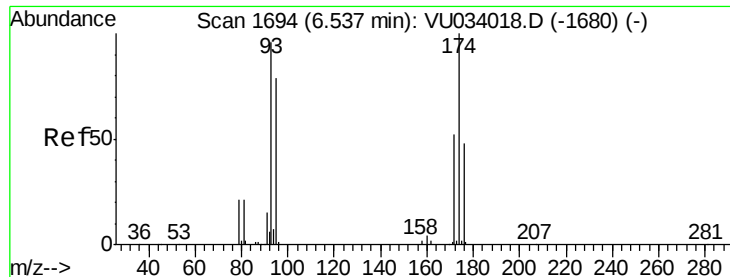
MMDadoda
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#45
 1,2-Dichloropropane
 Concen: 0.933 ug/l
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion: 63 Resp: 4565
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.4 38.2





#46

Dibromomethane

Concen: 0.930 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

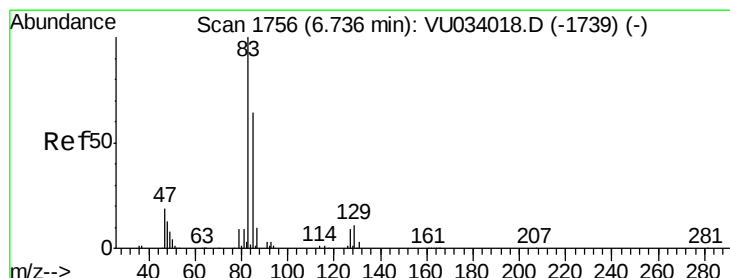
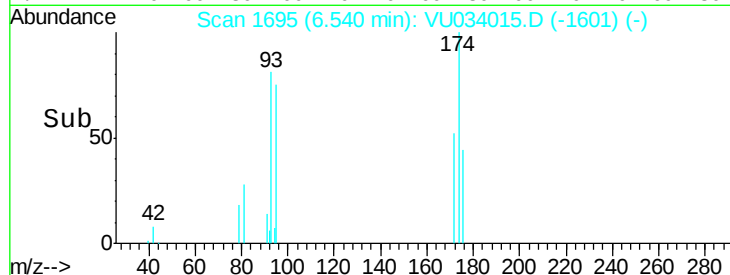
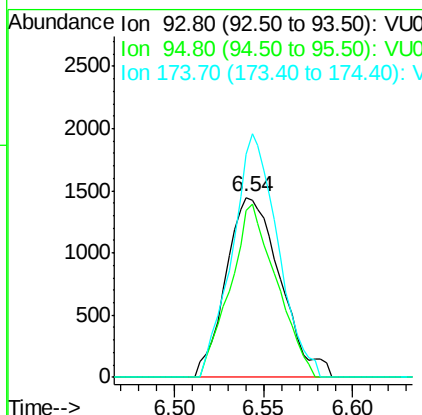
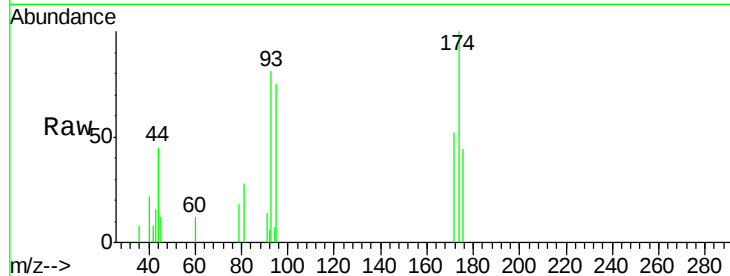
ClientSampleId :

VSTDIC001

Tot Ion:	93	Resp:	3056
Ion	Ratio	Lower	Upper
93	100		
95	82.5	66.7	100.1
174	114.6	84.9	127.3

Manual Integrations
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8/29/2019 8:27:22 AM



#47

Bromodichloromethane

Concen: 0.957 ug/l

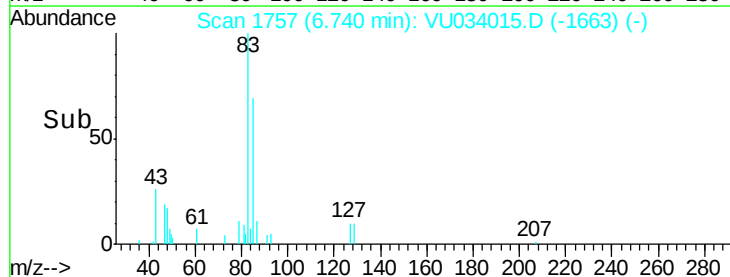
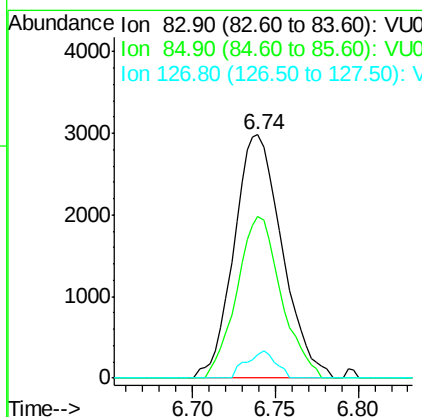
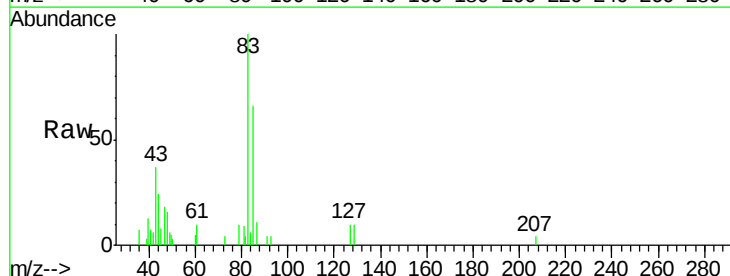
RT: 6.74 min Scan# 1757

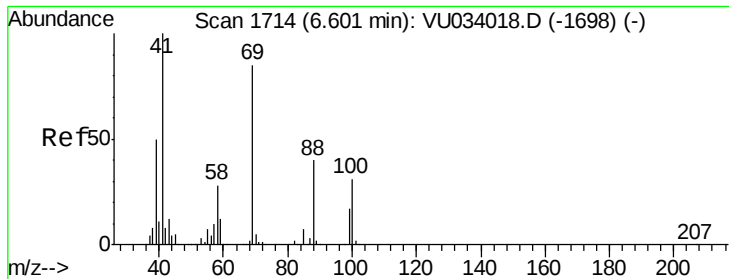
Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Tgt Ion:	83	Resp:	6009
Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.2	76.8
127	9.6	7.0	10.6





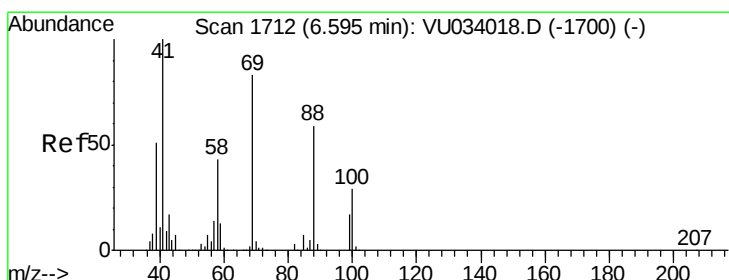
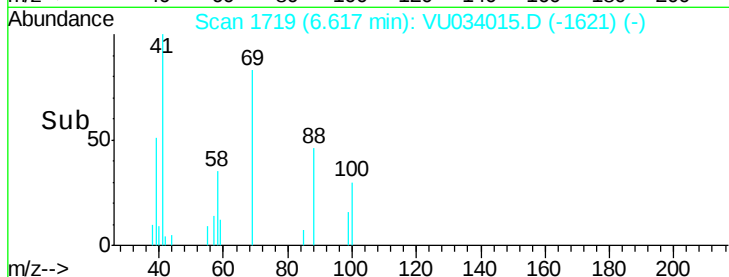
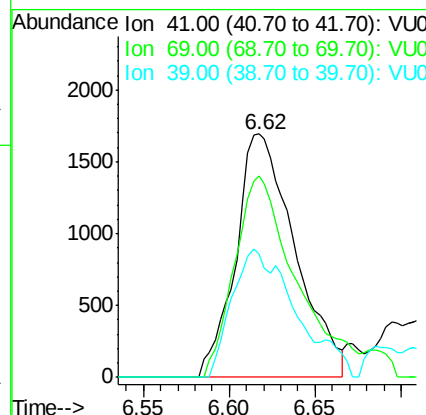
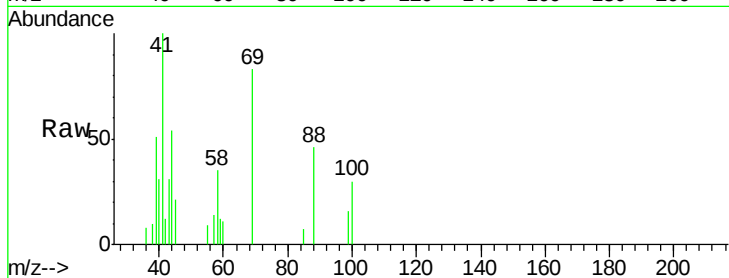
#48
Methvl methacrylate
Concen: 0.884 ug/l
RT: 6.62 min Scan# 1719
Delta R.T. 0.02 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	86.3	69.5	104.3
39	52.1	40.3	60.5

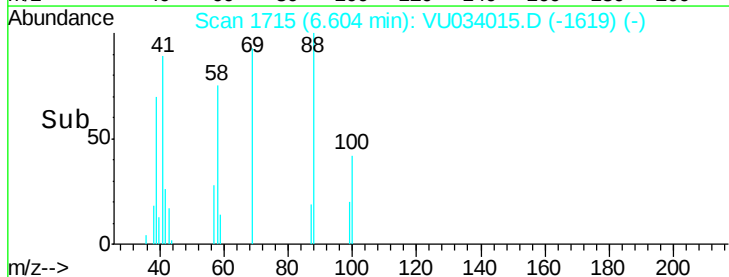
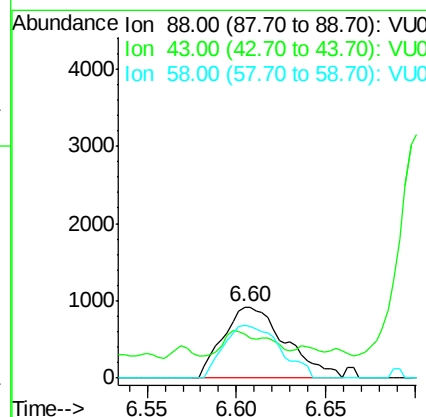
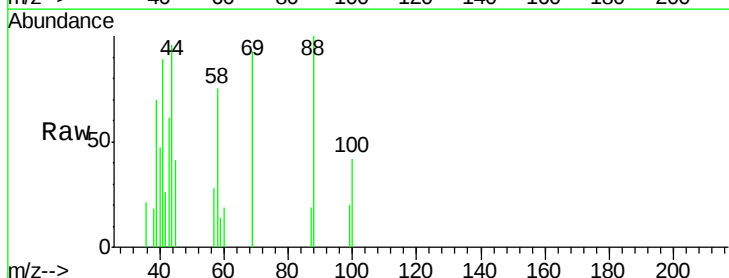
Manual Integrations
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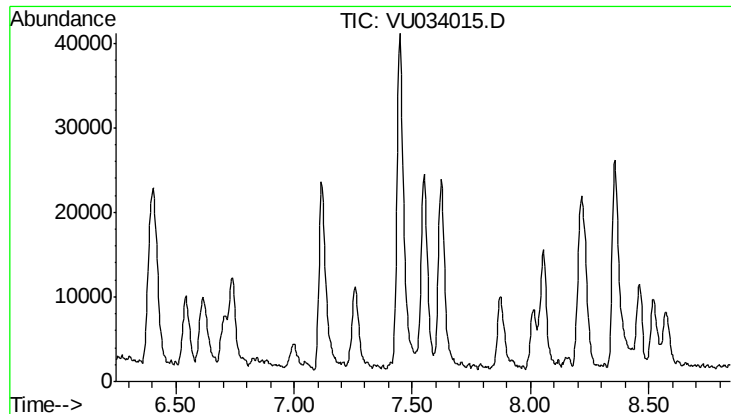
MMDadoda
8/29/2019 8:27:22 AM



#49
1,4-Dioxane
Concen: 18.436 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
88	100		
43	24.5	24.8	37.2#
58	66.5	59.3	88.9





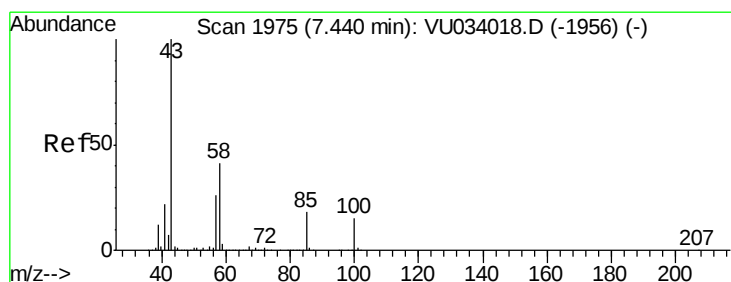
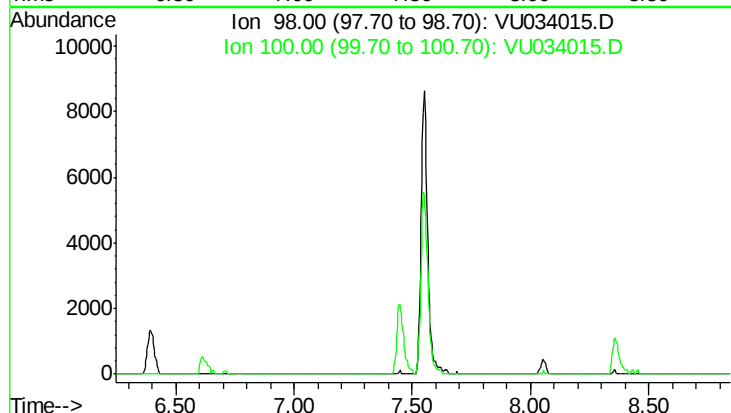
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.55 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 62.9

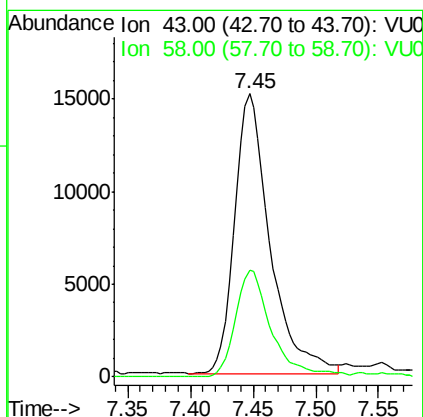
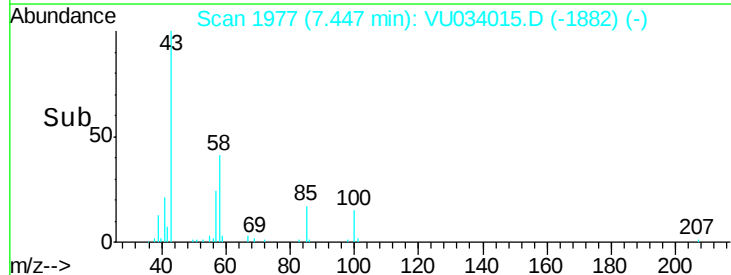
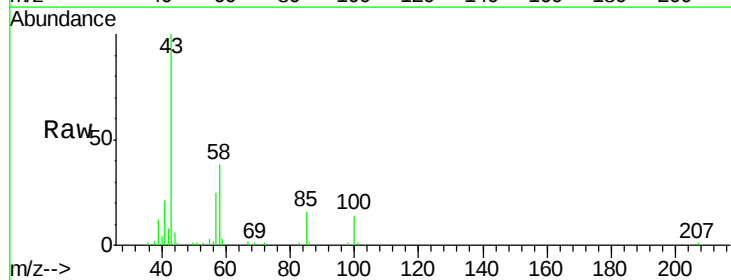
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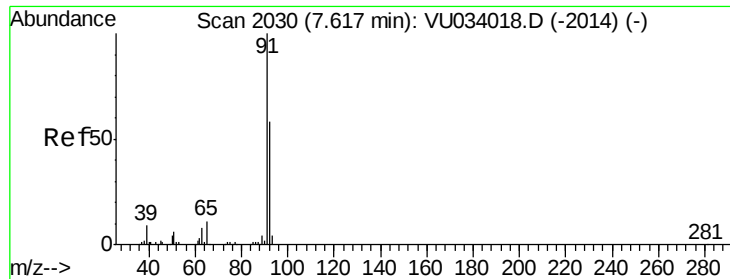
MMDadoda
8/29/2019 8:27:22 AM



#51
4-Methyl-2-Pentanone
Concen: 4.509 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. 0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion: 43 Resp: 29826
Ion Ratio Lower Upper
43 100
58 38.4 32.2 48.4





#52

Toluene

Concen: 0.884 ug/l

RT: 7.62 min Scan# 2032

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 10091

Ion Ratio Lower Upper

92 100

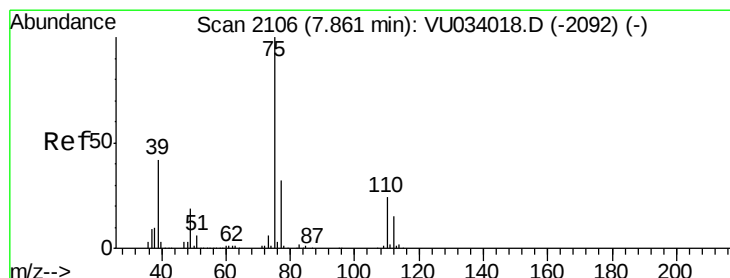
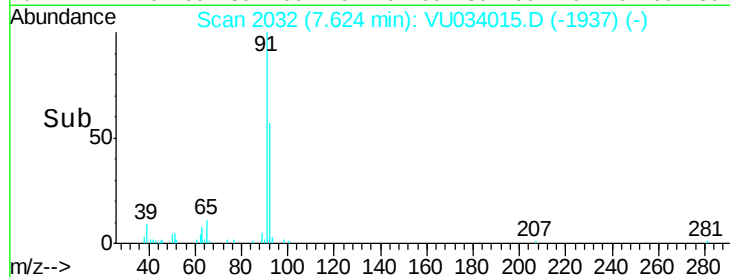
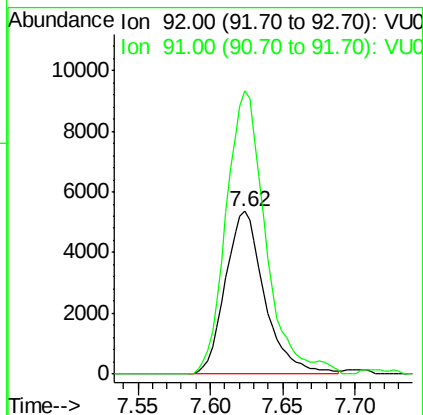
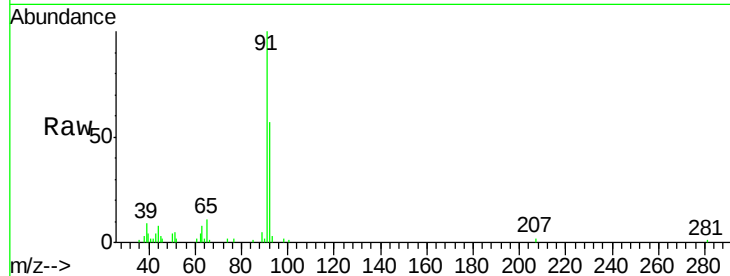
91 174.6 138.3 207.5

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 0.836 ug/l

RT: 7.87 min Scan# 2109

Delta R.T. 0.01 min

Lab File: VU034015.D

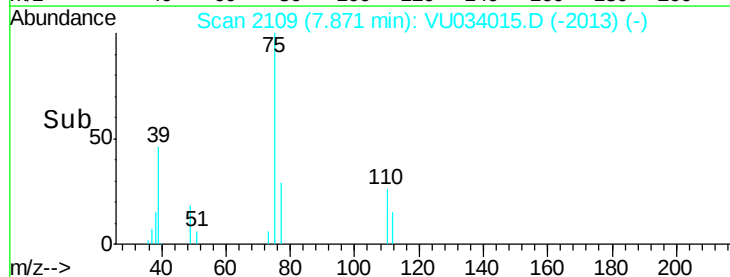
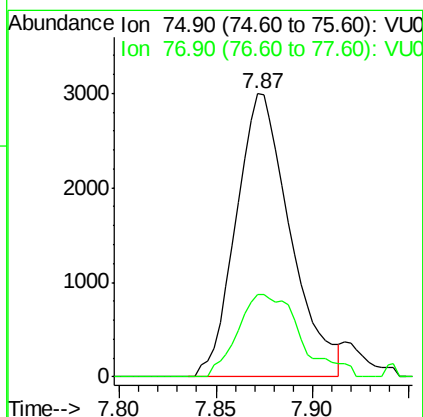
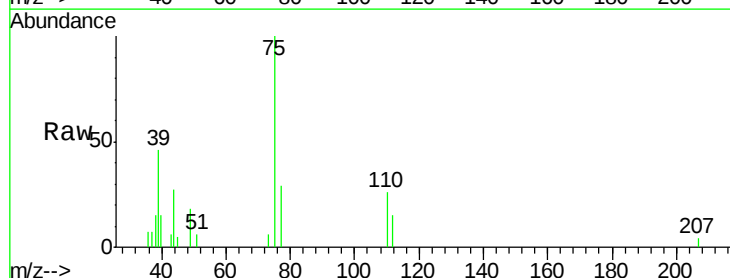
Acq: 28 Aug 2019 11:37

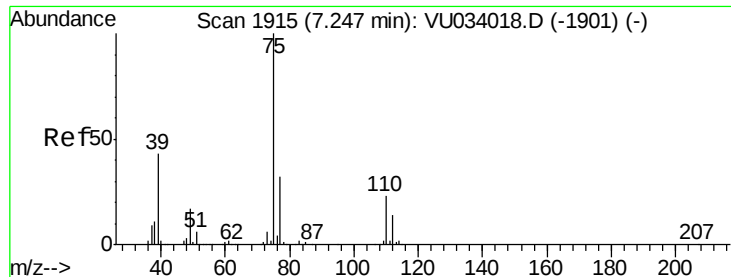
Tgt Ion: 75 Resp: 5847

Ion Ratio Lower Upper

75 100

77 29.0 25.4 38.0





#54

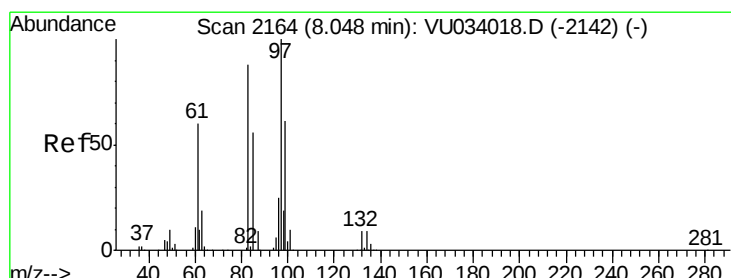
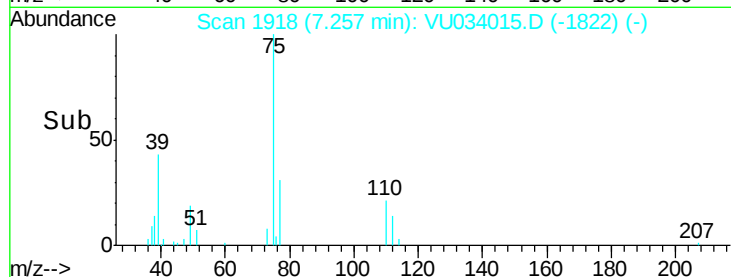
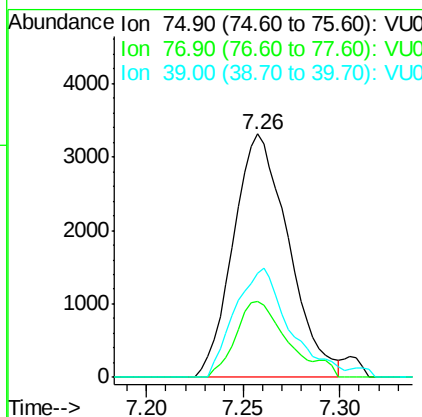
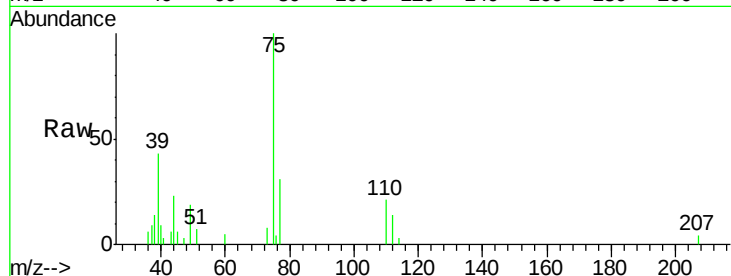
cis-1,3-Dichloropropene
 Concen: 0.874 ug/l
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.01 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	75	Resp:	6583
Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.2	37.8
39	42.8	34.6	51.8

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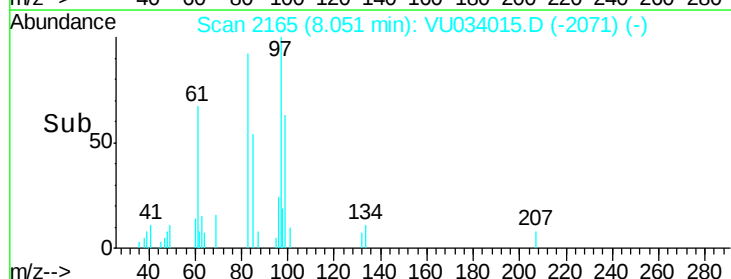
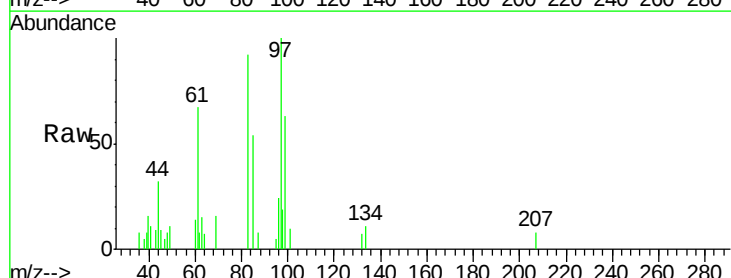
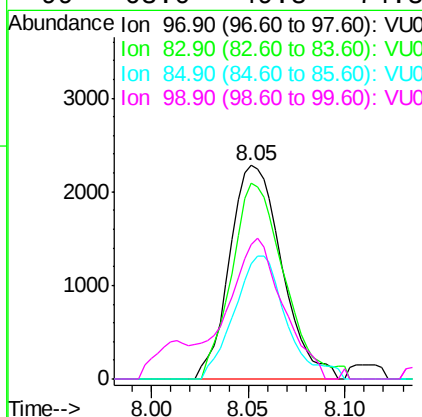
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 8/29/2019 8:27:22 AM

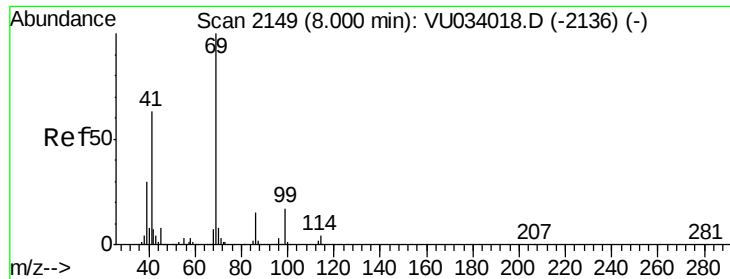


#55

1,1,2-Trichloroethane
 Concen: 0.884 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion:	97	Resp:	4287
Ion	Ratio	Lower	Upper
97	100		
83	91.8	70.1	105.1
85	53.9	45.0	67.4
99	63.0	49.8	74.8





#56

Ethyl methacrylate

Concen: 0.769 ug/l

RT: 8.01 min Scan# 2153

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

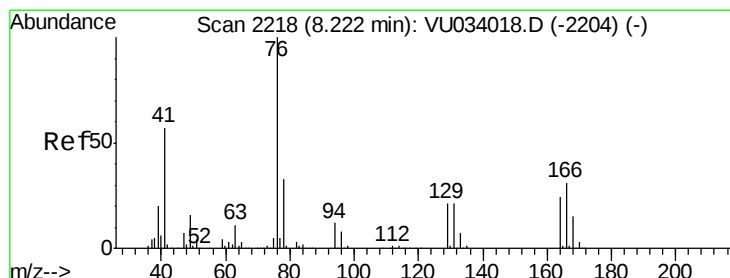
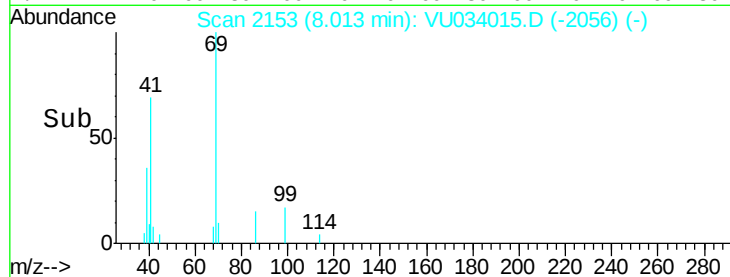
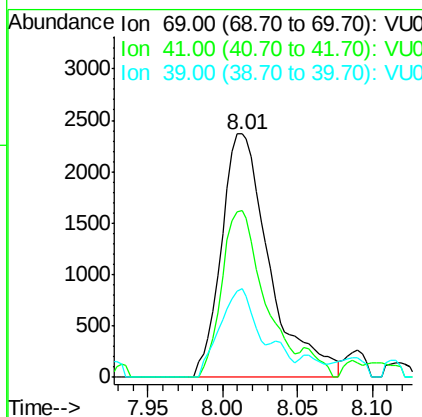
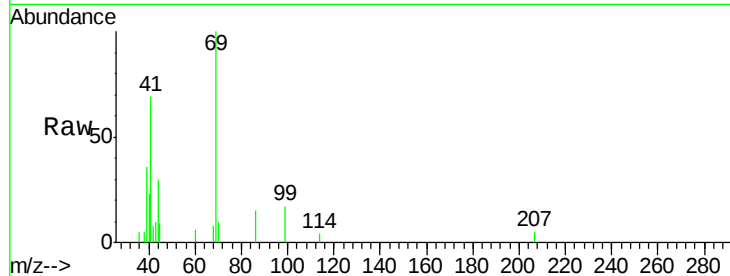
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	5313
Ion	Ratio	Lower	Upper
69	100		
41	59.4	50.7	76.1
39	27.0	24.2	36.2

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#57

1,3-Dichloropropane

Concen: 0.927 ug/l

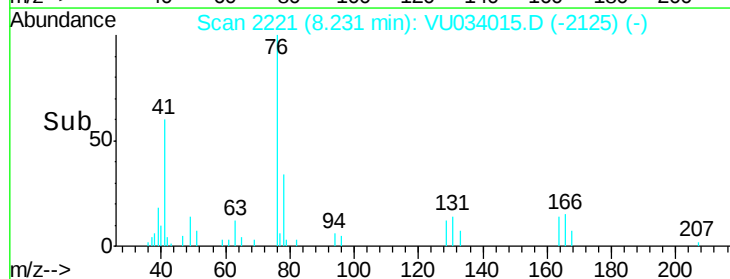
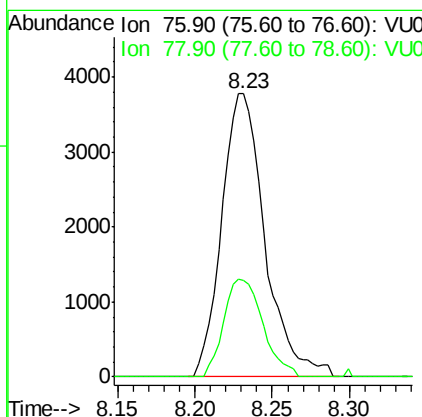
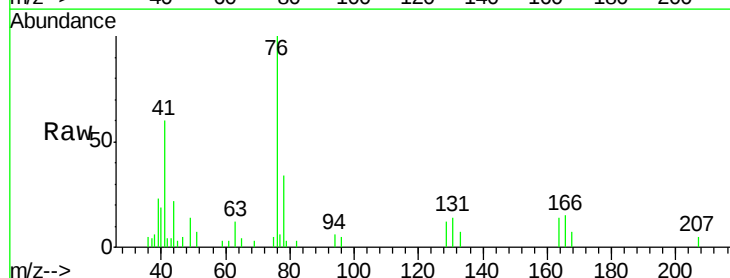
RT: 8.23 min Scan# 2221

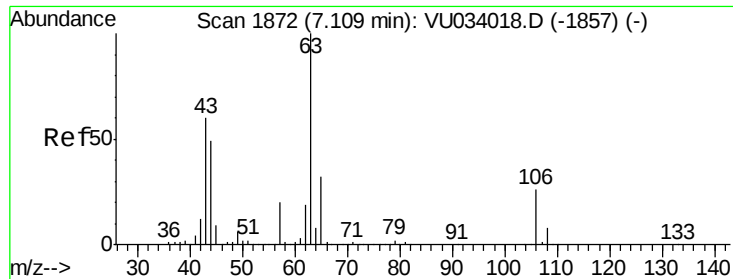
Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Tgt Ion:	76	Resp:	7314
Ion	Ratio	Lower	Upper
76	100		
78	31.1	26.2	39.4





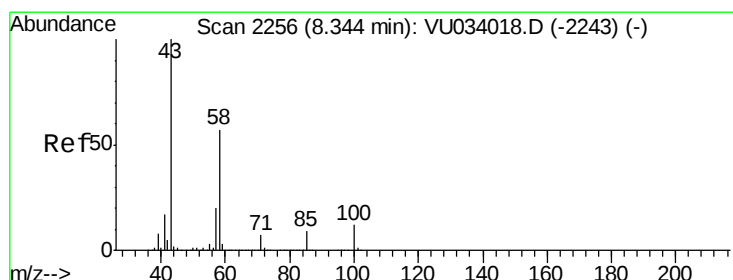
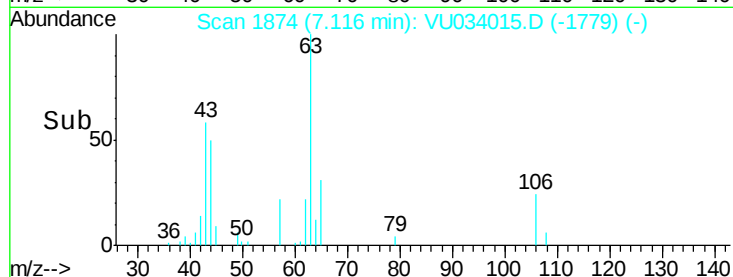
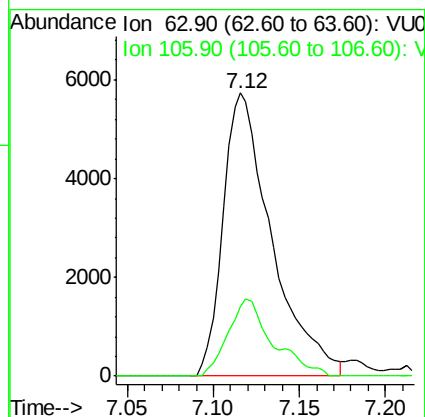
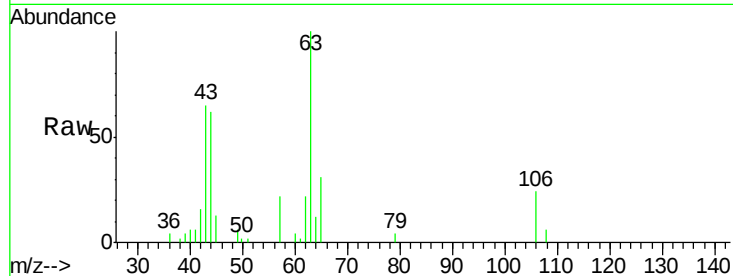
#58
2-Chloroethyl Vinyl ether
Concen: 4.431 ug/l
RT: 7.12 min Scan# 1874
Delta R.T. 0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 11263
Ion Ratio Lower Upper
63 100
106 24.9 20.7 31.1

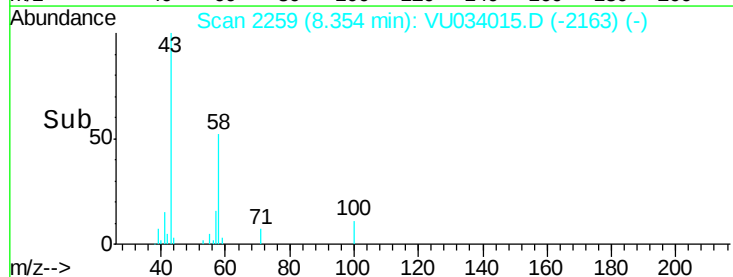
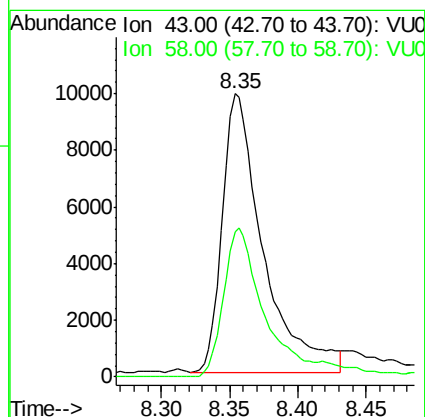
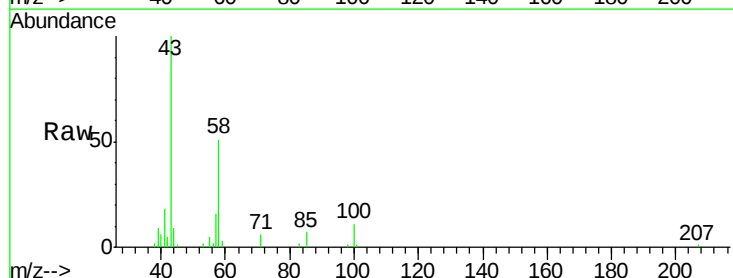
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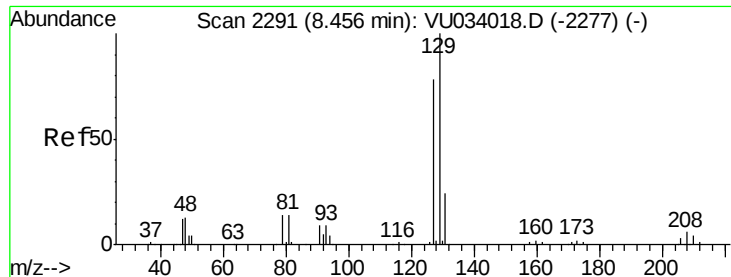
MMDadoda
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#59
2-Hexanone
Concen: 4.047 ug/l
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion: 43 Resp: 20557
Ion Ratio Lower Upper
43 100
58 56.9 28.4 85.3





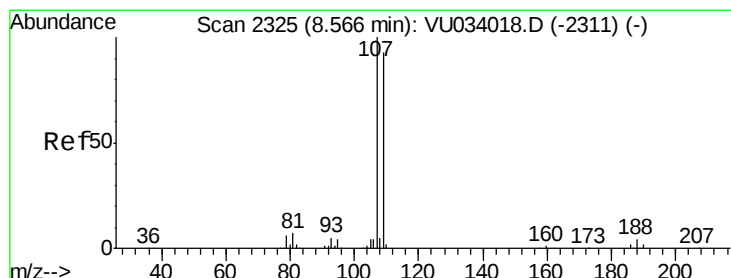
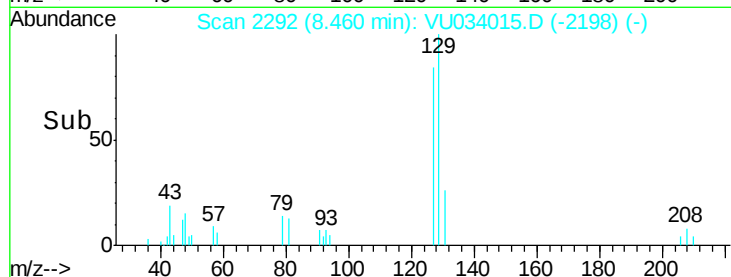
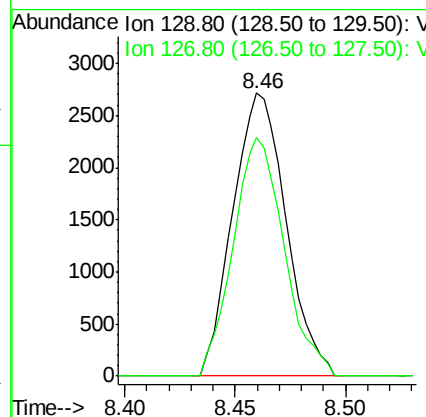
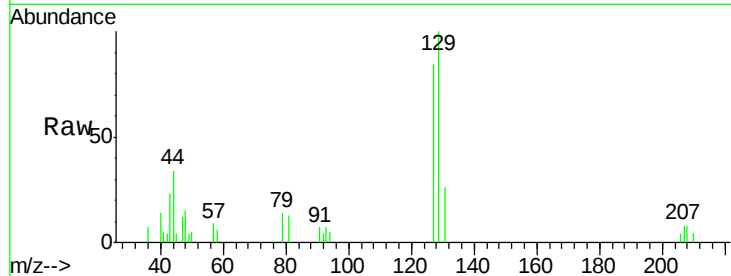
#60
Dibromochloromethane
Concen: 0.844 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
129	100		
127	80.8	39.0	116.9

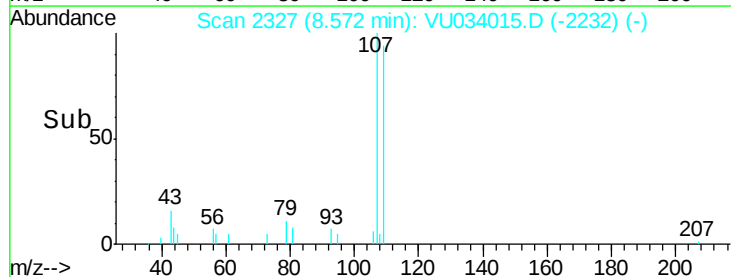
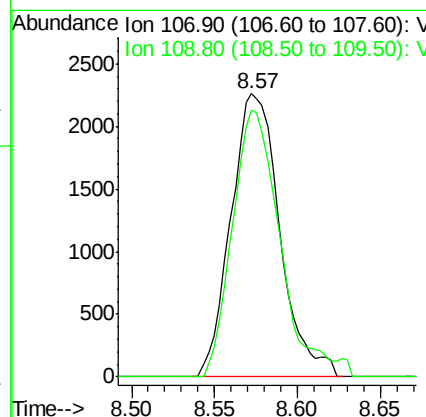
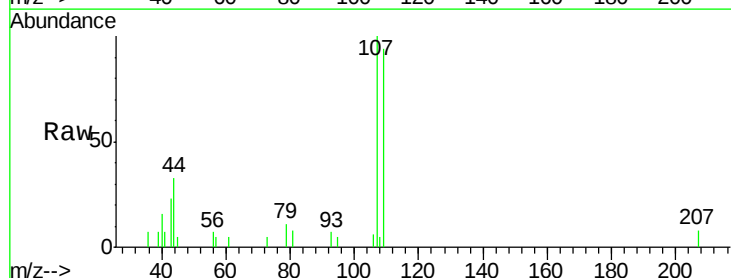
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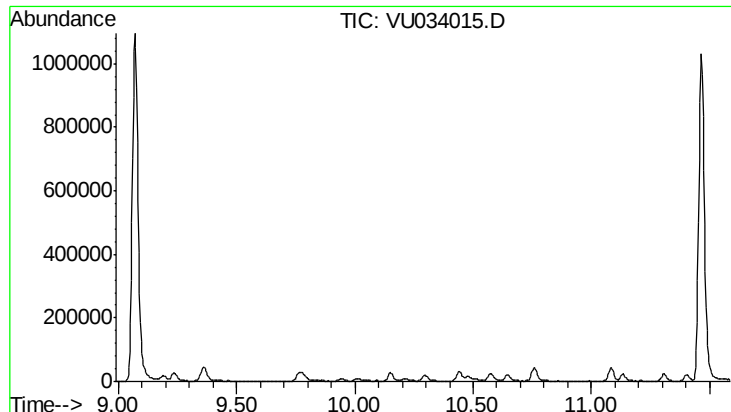
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#61
1,2-Dibromoethane
Concen: 0.910 ug/l
RT: 8.57 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.2	112.8





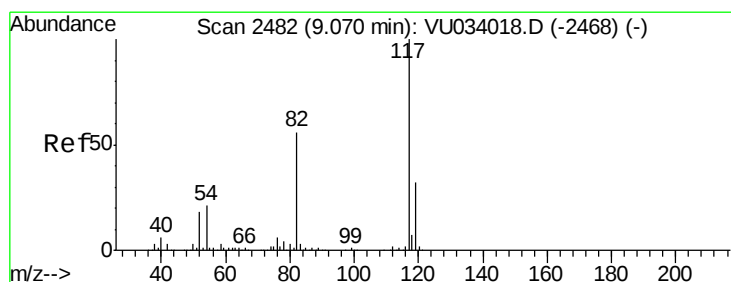
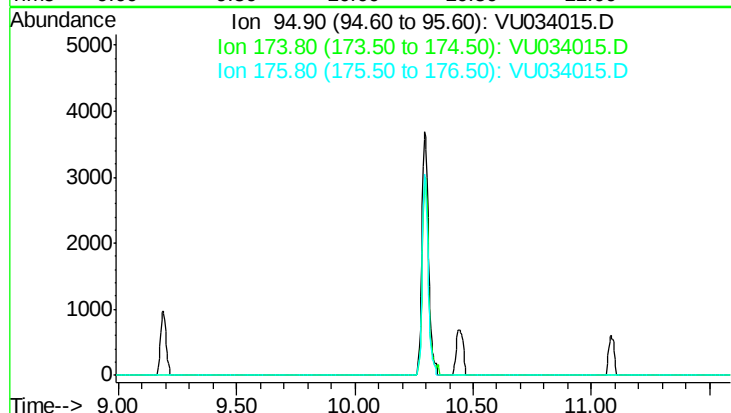
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 10.29 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tot Ion	95
Sig	Exp Ratio
95	100
174	84.4
176	80.9

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

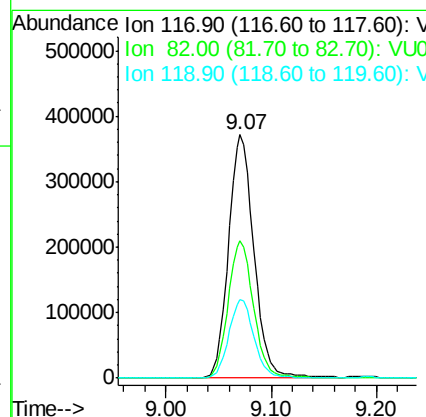
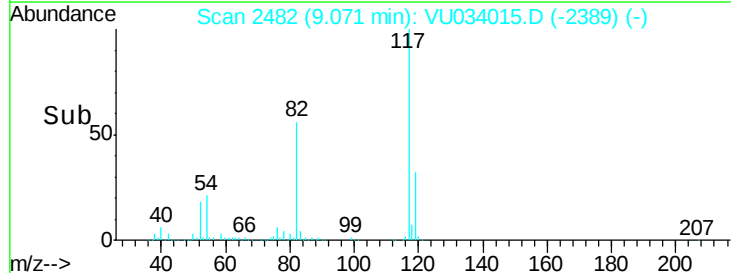
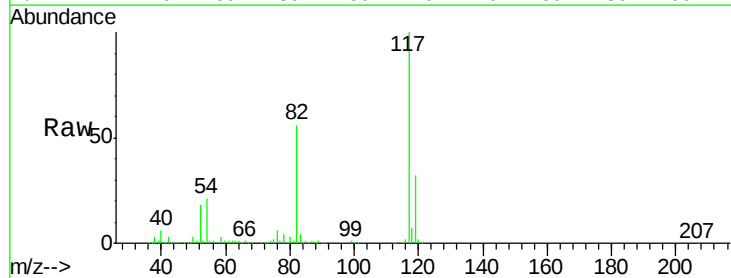
Manual Integrations
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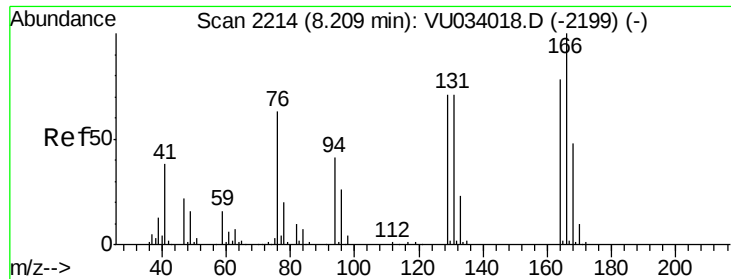
MMDadoda
 8/29/2019 8:27:22 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.07 min Scan# 2482
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion	117	Resp:	618901
Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.1	67.7
119	32.3	25.4	38.0





#64

Tetrachloroethene

Concen: 0.827 ug/l

RT: 8.21 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 4044

Ion Ratio Lower Upper

164 100

166 118.5 102.2 153.2

129 93.7 72.4 108.6

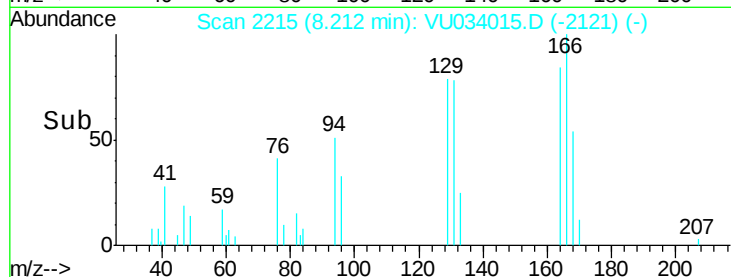
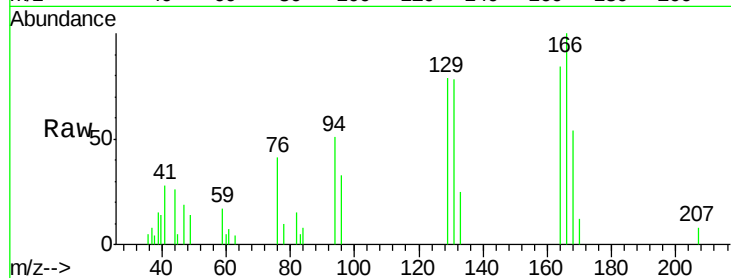
131 92.5 72.1 108.1

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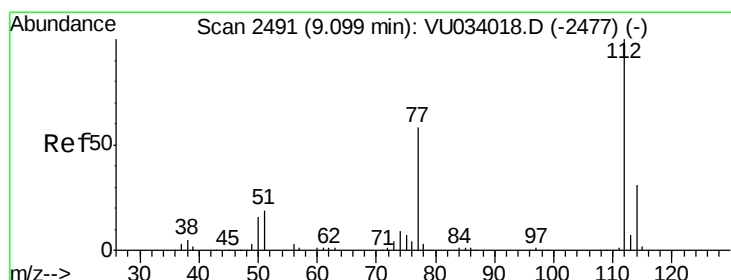
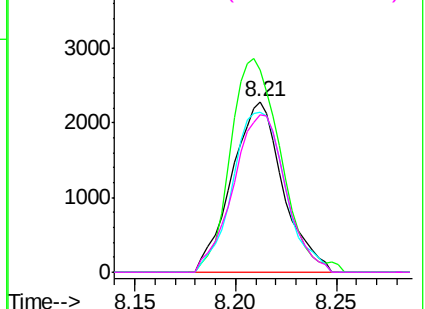


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.929 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034015.D

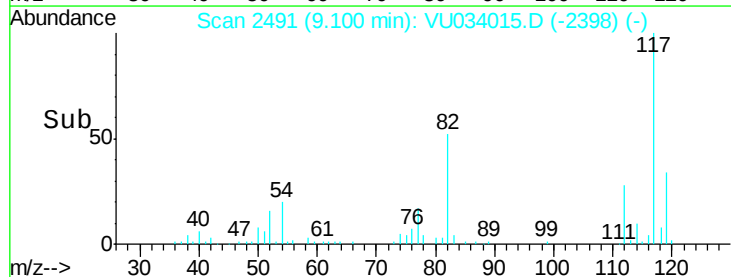
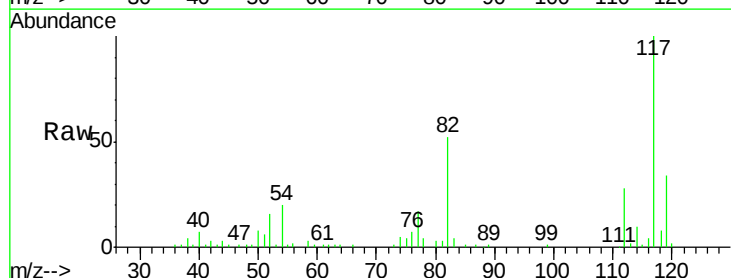
Acq: 28 Aug 2019 11:37

Tgt Ion:112 Resp: 12013

Ion Ratio Lower Upper

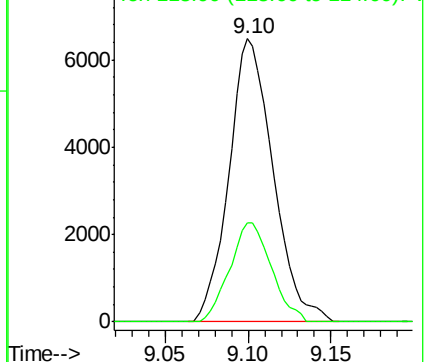
112 100

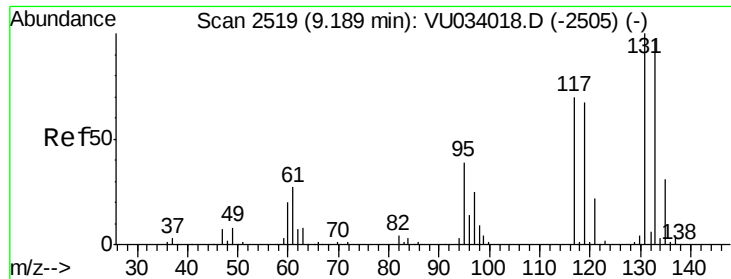
114 35.1 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





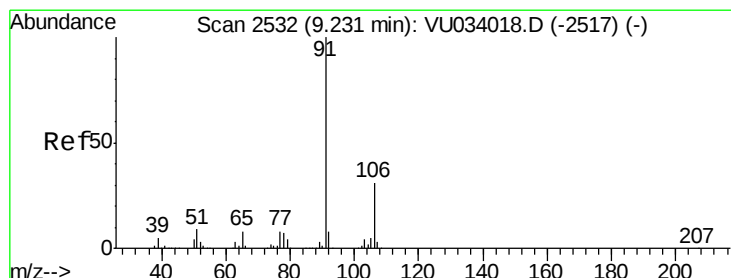
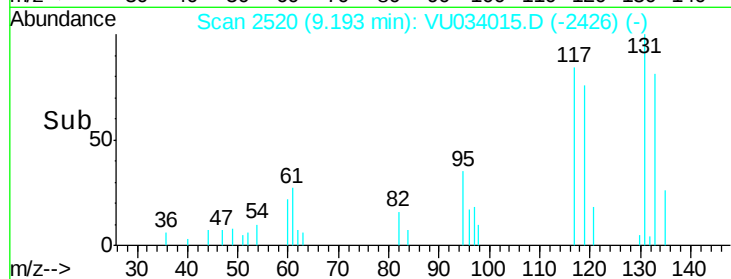
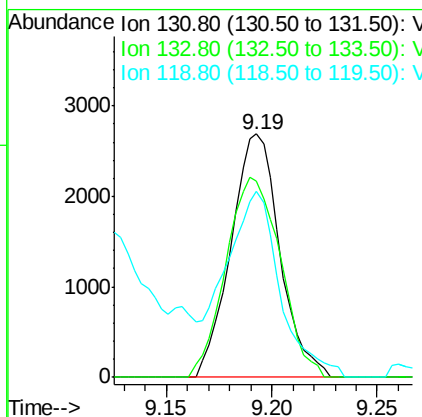
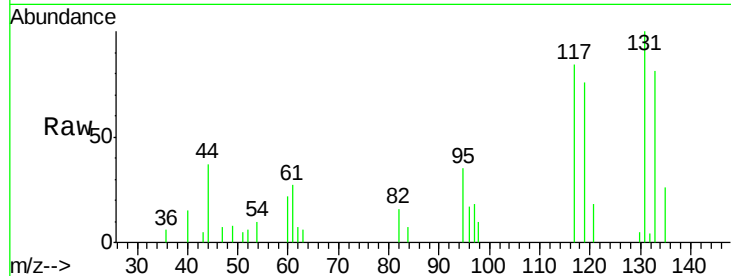
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.906 ug/l
 RT: 9.19 min Scan# 2520
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	91.6	48.4	145.2
119	0.0	33.6	100.6

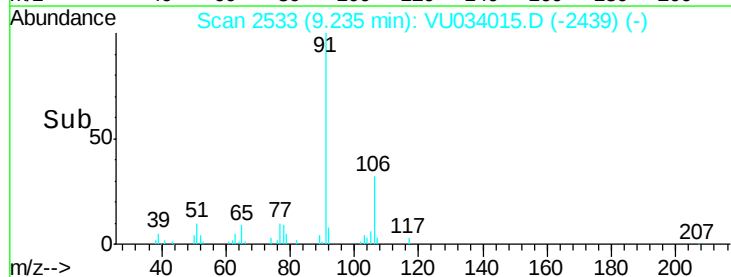
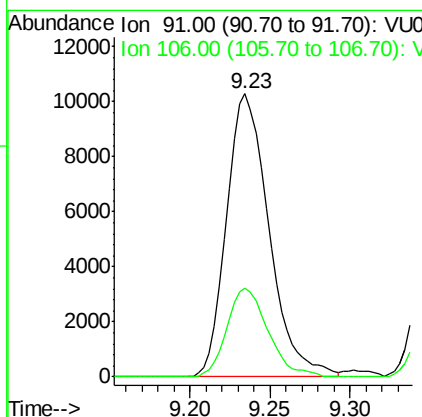
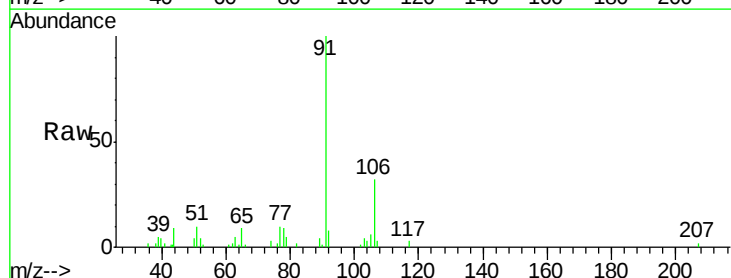
Manual Integrations
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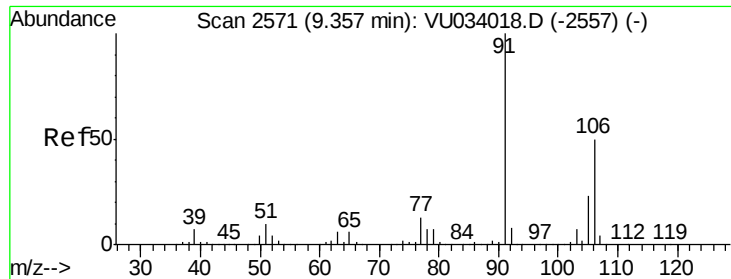
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 8/29/2019 8:27:22 AM



#67
 Ethyl Benzene
 Concen: 0.861 ug/l
 RT: 9.23 min Scan# 2533
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.9	37.3





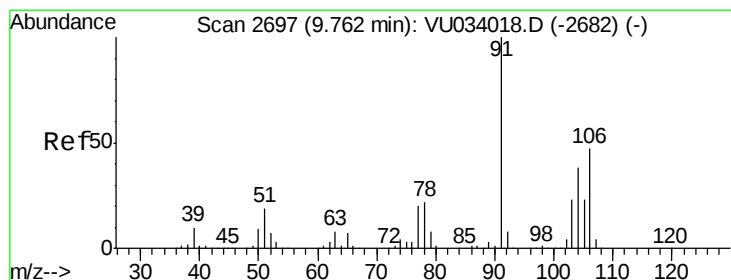
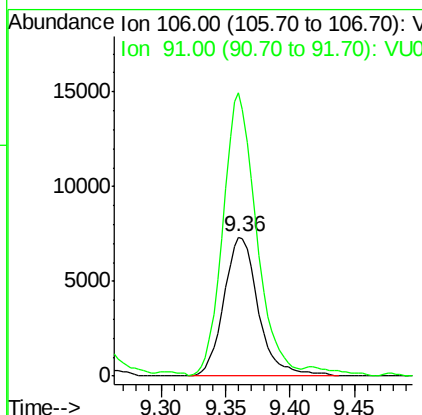
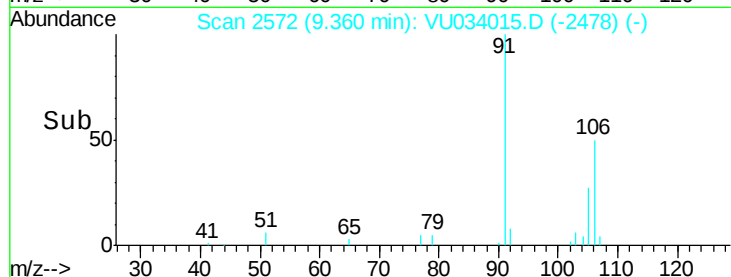
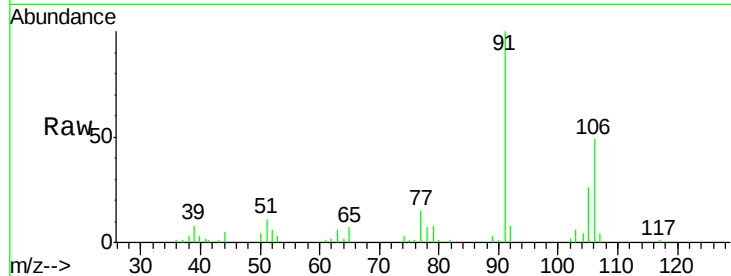
#68
m/p-Xylenes
Concen: 1.636 ug/l
RT: 9.36 min Scan# 2572
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 13639
Ion Ratio Lower Upper
106 100
91 196.9 161.6 242.4

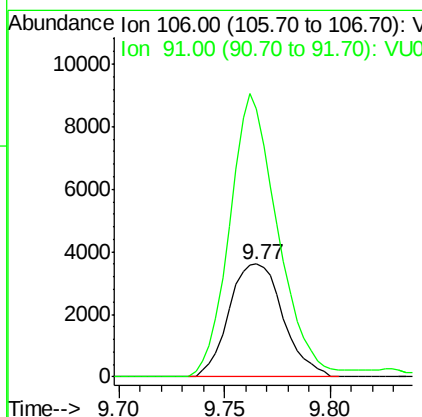
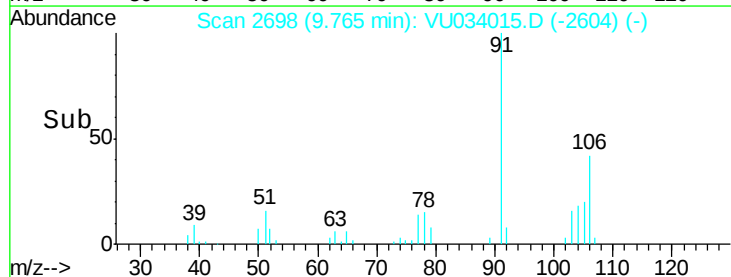
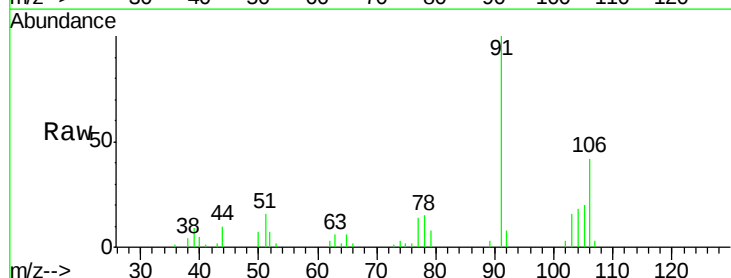
Manual Integrations
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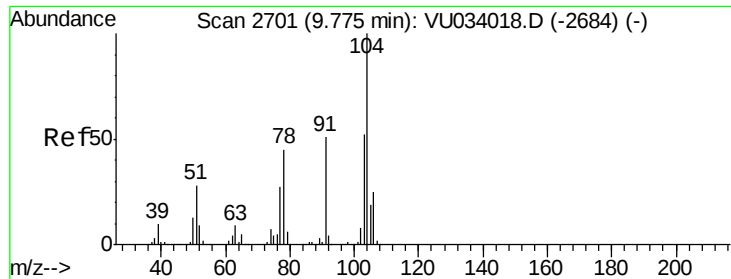
MMDadoda
8/29/2019 8:27:22 AM



#69
o-Xylene
Concen: 0.801 ug/l
RT: 9.77 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion:106 Resp: 6401
Ion Ratio Lower Upper
106 100
91 223.9 106.0 318.0





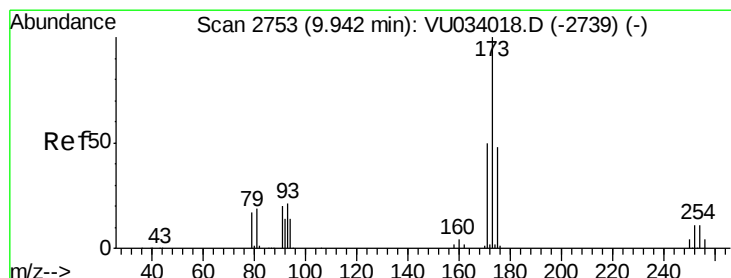
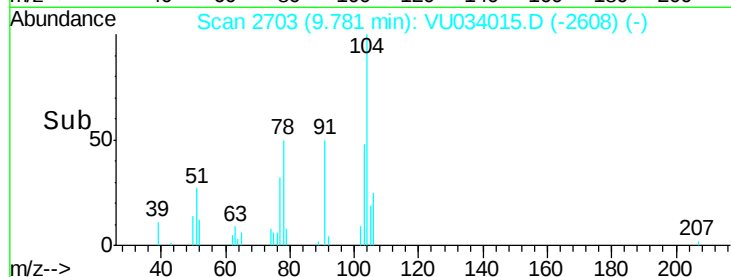
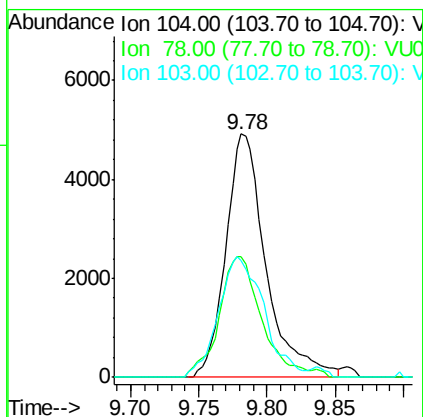
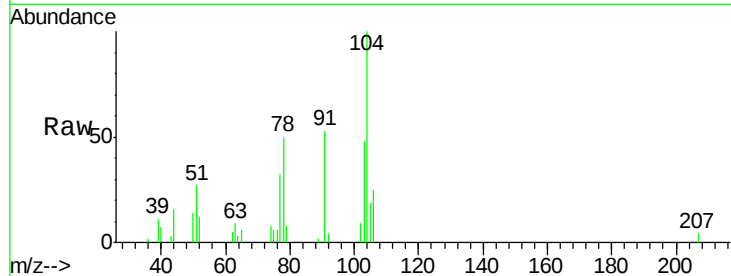
#70
Stvrene
Concen: 0.737 ug/l
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.9	39.0	58.4
103	55.7	44.0	66.0

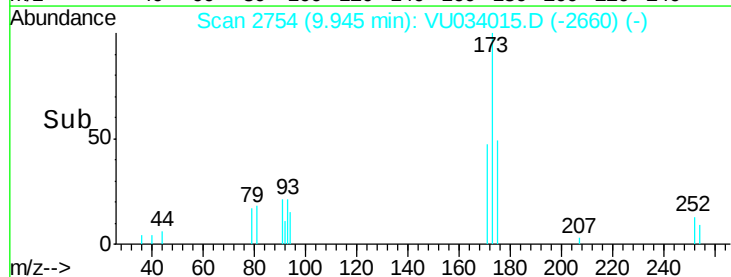
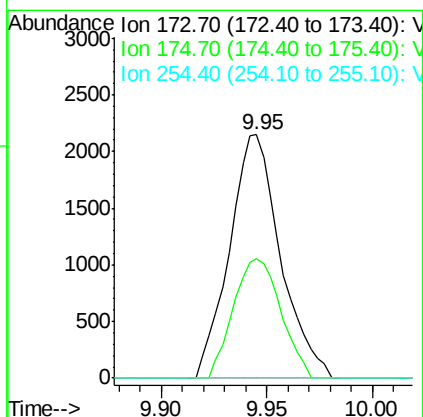
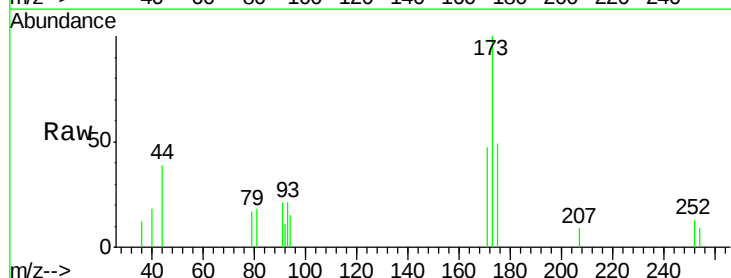
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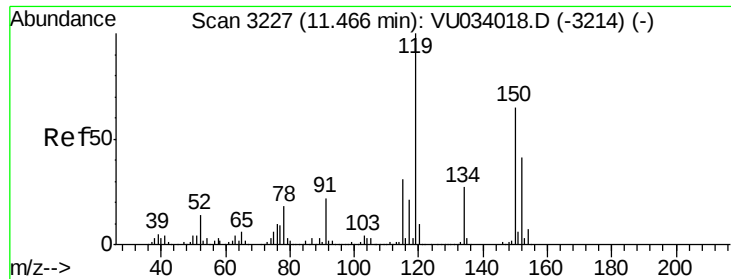
MMDadoda
8/29/2019 8:27:22 AM



#71
Bromoform
Concen: 0.850 ug/l
RT: 9.95 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
173	100		
175	45.7	24.6	73.6
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

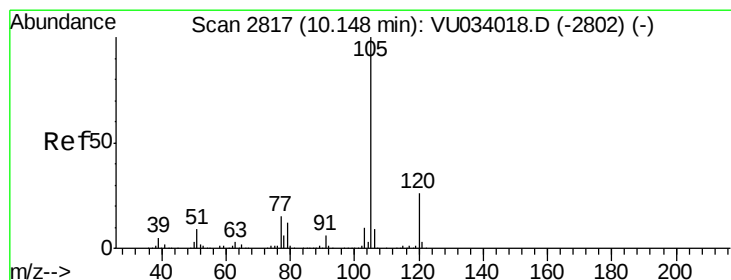
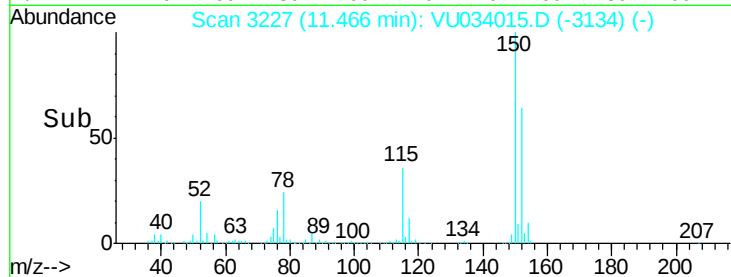
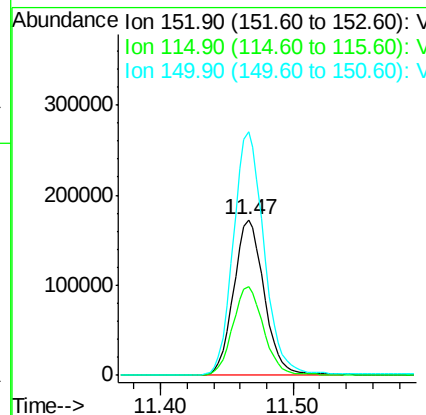
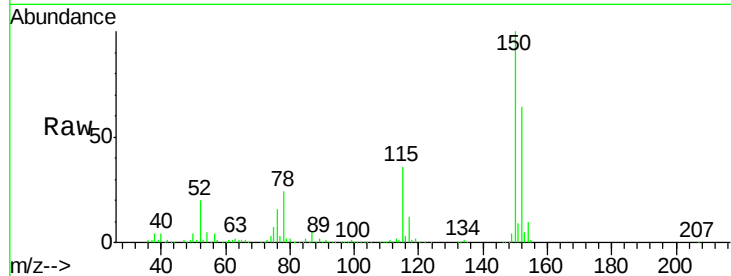
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	277756
Ion Ratio	Lower	Upper	
152	100		
115	57.9	41.1	123.3
150	158.0	0.0	348.8

Manual Integrations
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#73

Isopropylbenzene

Concen: 0.871 ug/l

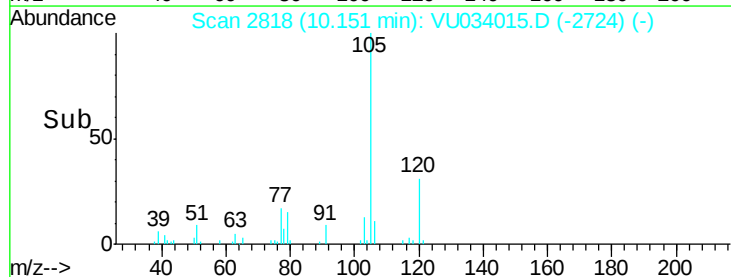
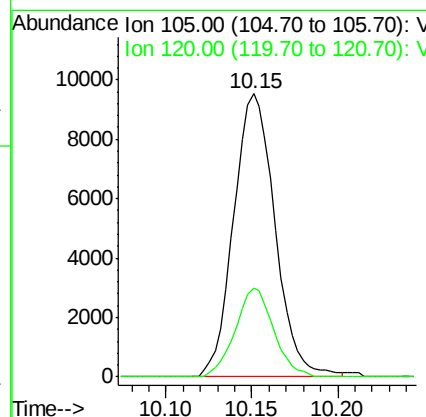
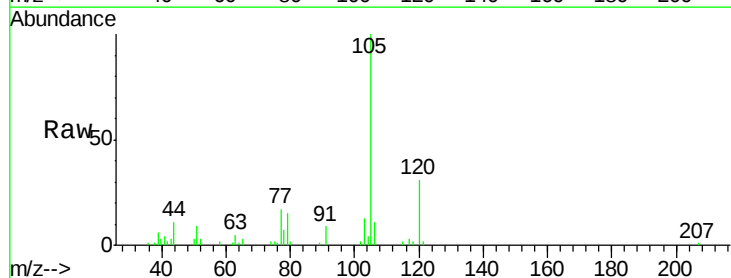
RT: 10.15 min Scan# 2818

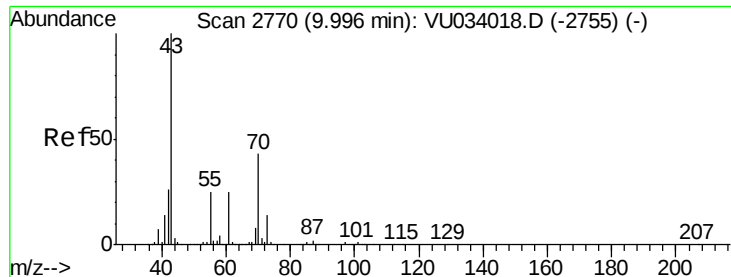
Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Tgt Ion:	105	Resp:	15970
Ion Ratio	Lower	Upper	
105	100		
120	28.9	13.3	39.8





#74

N-amvl acetate

Concen: 0.838 ug/l

RT: 10.01 min Scan# 2773

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

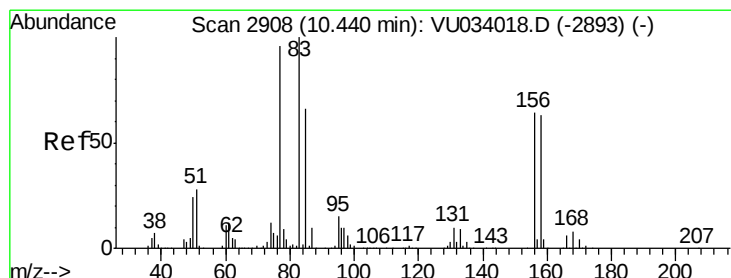
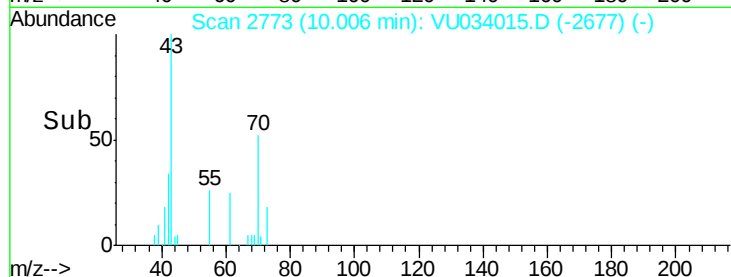
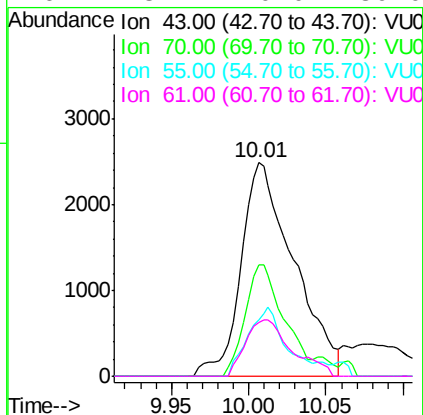
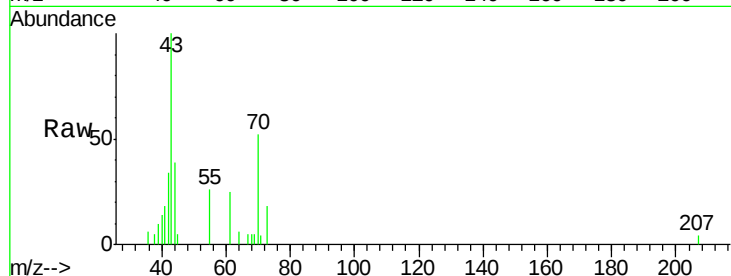
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	5907
Ion	Ratio	Lower	Upper
43	100		
70	38.8	35.2	52.8
55	24.4	20.5	30.7
61	23.1	20.0	30.0

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.128 ug/l

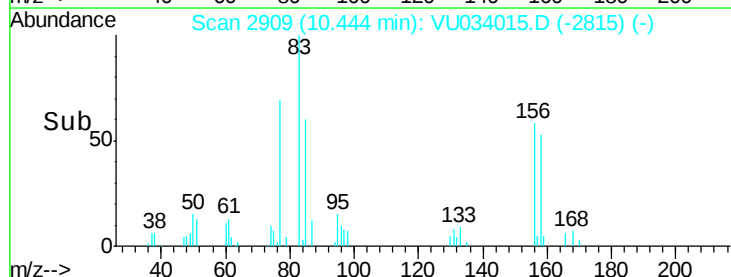
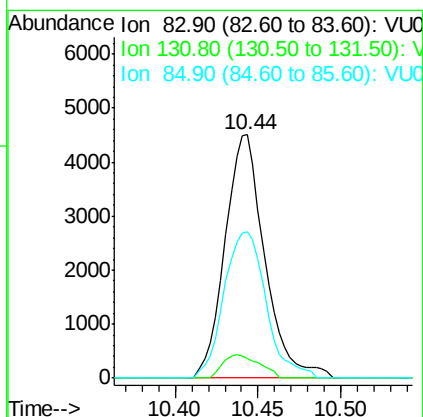
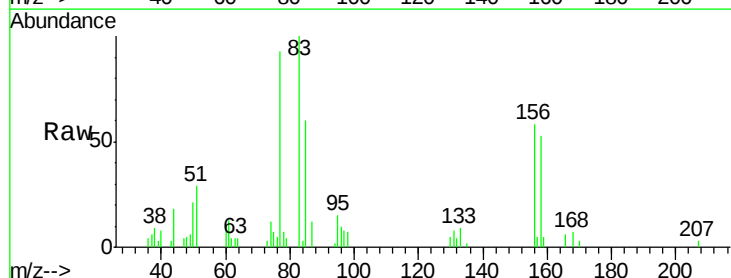
RT: 10.44 min Scan# 2909

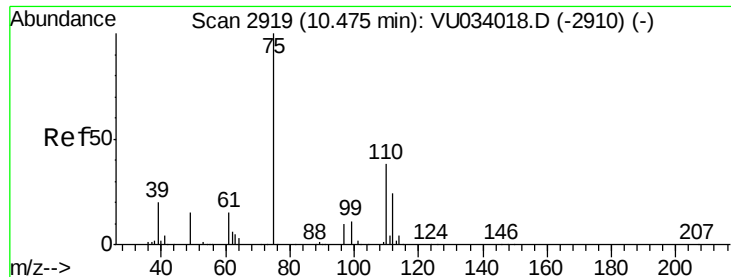
Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Tgt Ion:	83	Resp:	7516
Ion	Ratio	Lower	Upper
83	100		
131	8.8	5.0	14.9
85	63.3	32.2	96.6





#76

1,2,3-Trichloropropane

Concen: 1.073 ug/l m

RT: 10.48 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 6129

Ion Ratio Lower Upper

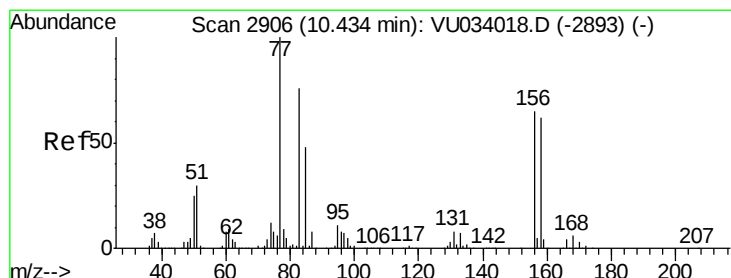
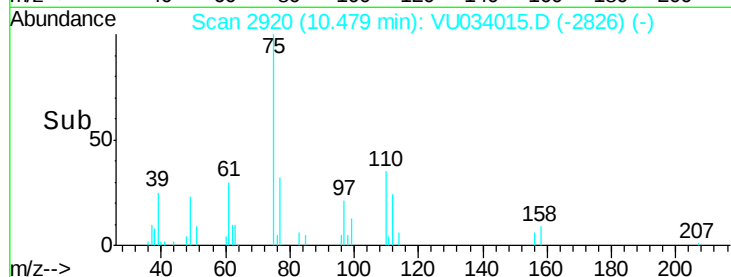
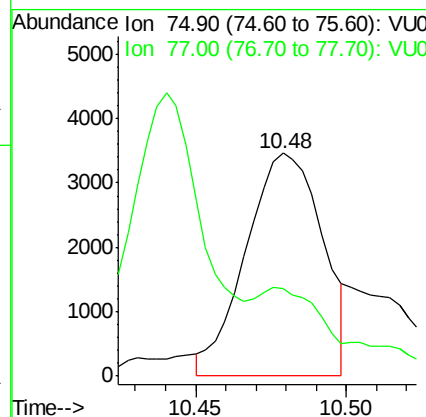
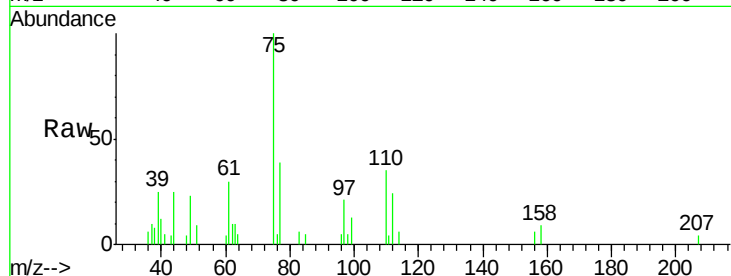
75 100

77 12.5 20.1 60.2#

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#77

Bromobenzene

Concen: 0.974 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

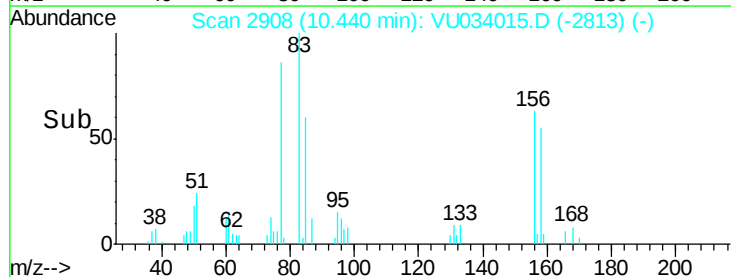
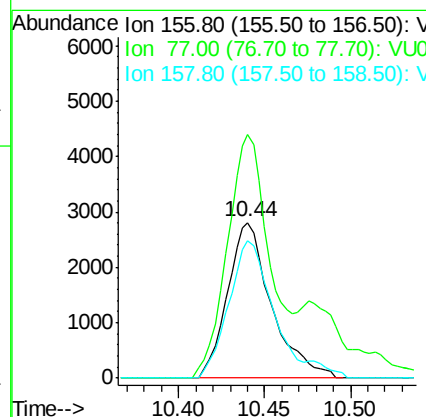
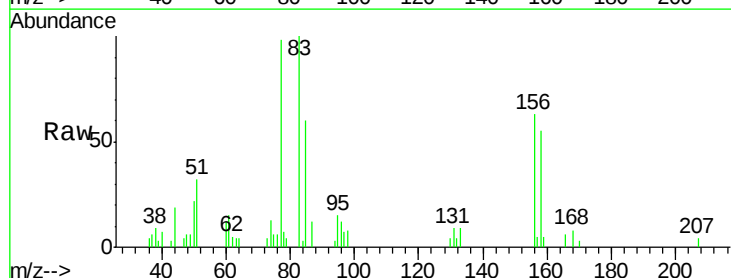
Tgt Ion: 156 Resp: 5002

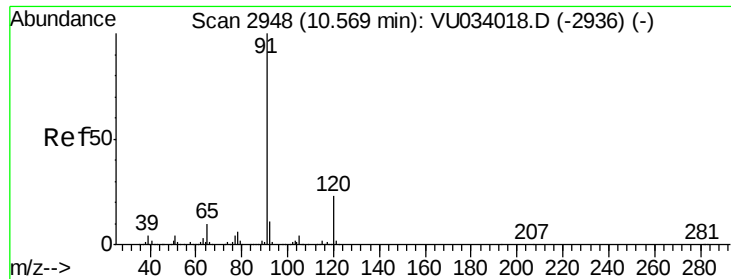
Ion Ratio Lower Upper

156 100

77 150.3 76.8 230.5

158 92.3 48.4 145.0





#78

n-propylbenzene

Concen: 0.917 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 19149

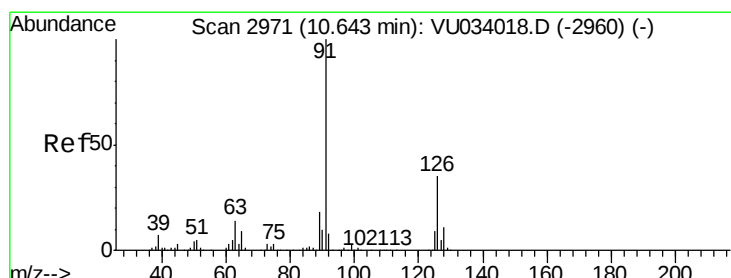
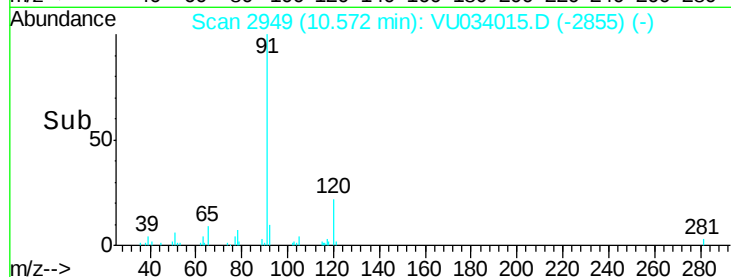
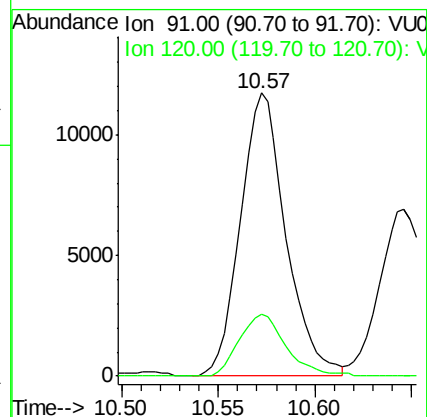
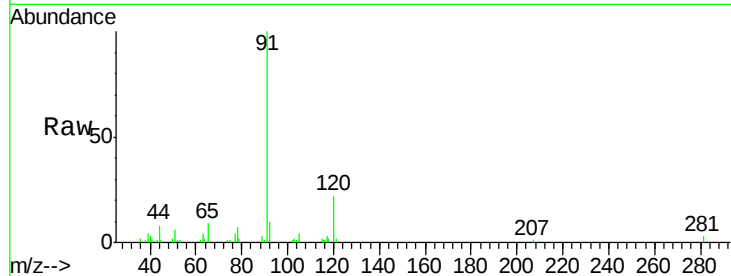
Ion Ratio Lower Upper

91 100

120 22.4 11.7 35.0

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#79

2-Chlorotoluene

Concen: 0.944 ug/l

RT: 10.65 min Scan# 2972

Delta R.T. 0.00 min

Lab File: VU034015.D

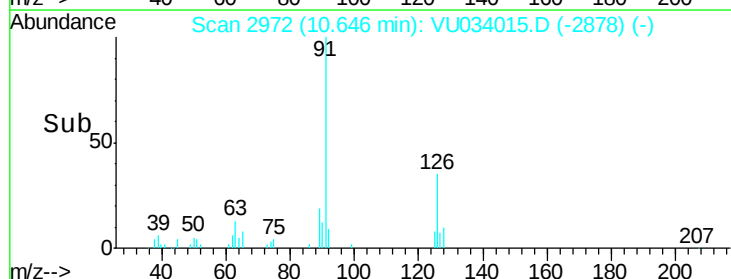
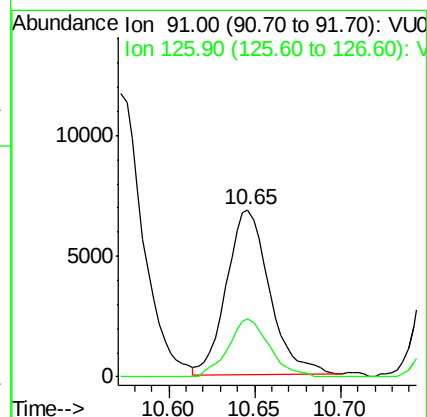
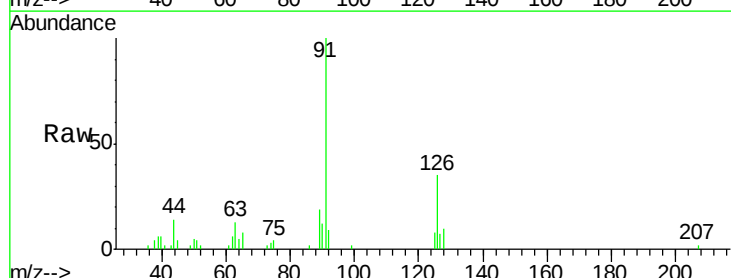
Acq: 28 Aug 2019 11:37

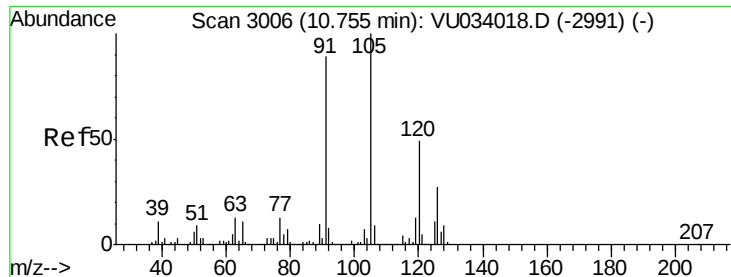
Tgt Ion: 91 Resp: 11906

Ion Ratio Lower Upper

91 100

126 33.7 17.1 51.2





#80

1,3,5-Trimethylbenzene

Concen: 0.794 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 12455

Ion Ratio Lower Upper

105 100

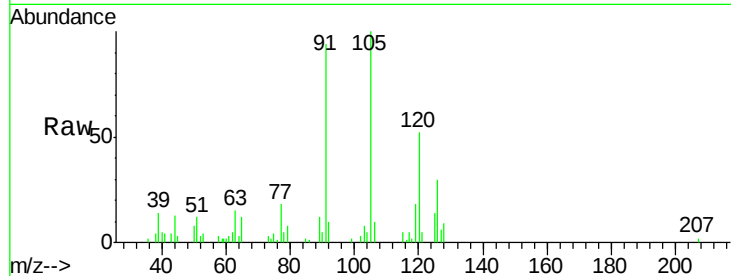
120 52.9 24.6 73.6

Manual Integrations

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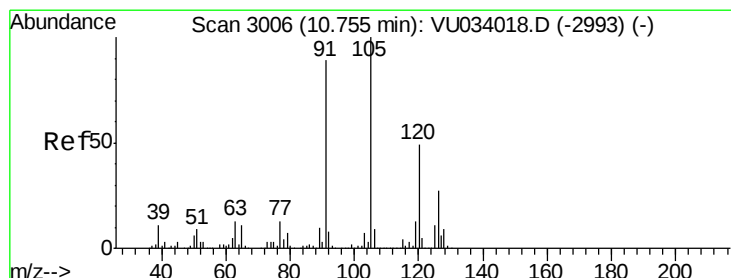
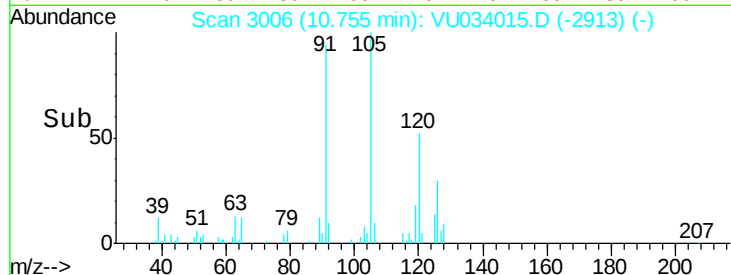
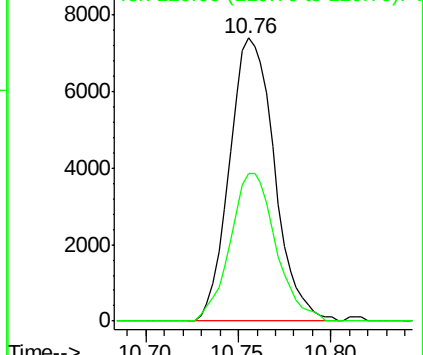
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

4-Chlorotoluene

Concen: 0.938 ug/l

RT: 10.76 min Scan# 3008

Delta R.T. 0.01 min

Lab File: VU034015.D

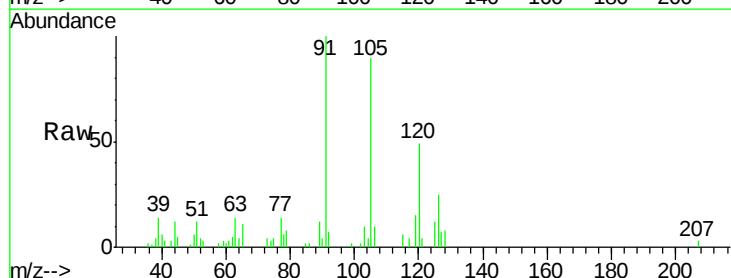
Acq: 28 Aug 2019 11:37

Tgt Ion: 91 Resp: 13648

Ion Ratio Lower Upper

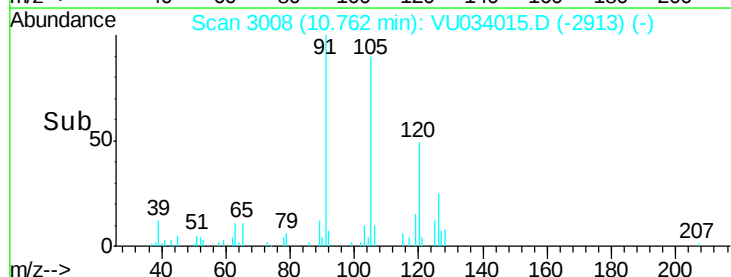
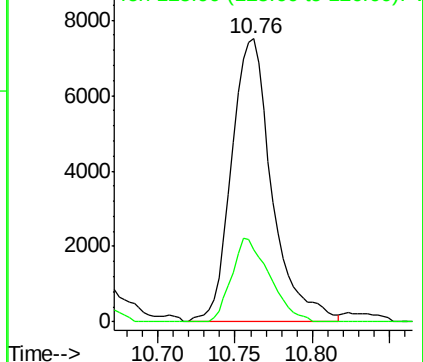
91 100

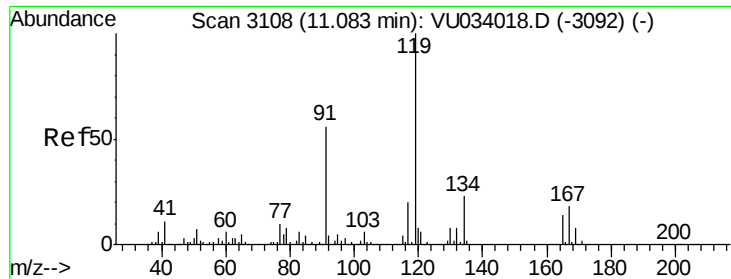
126 27.6 15.0 45.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





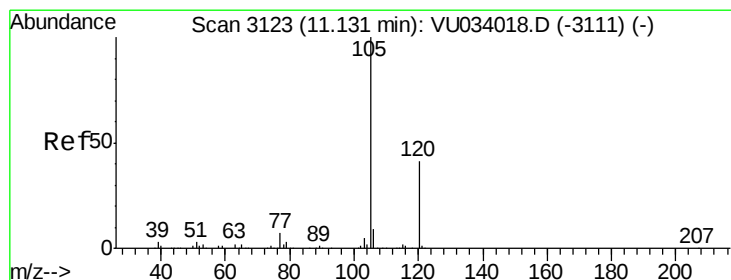
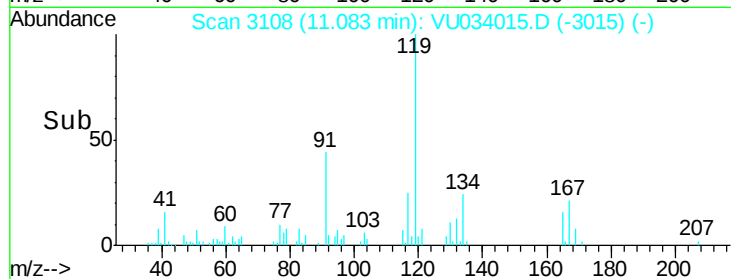
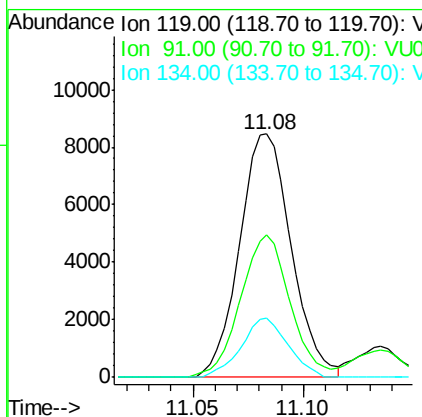
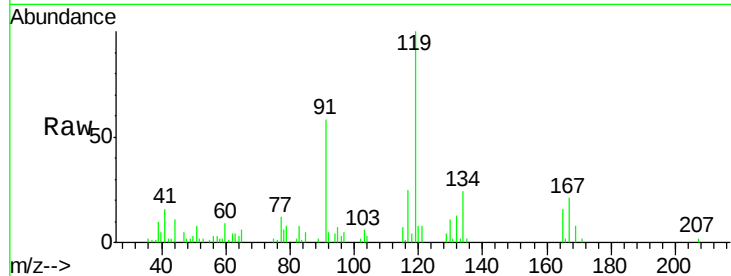
#83
 tert-Butylbenzene
 Concen: 0.901 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.9	27.9	83.6
134	21.8	11.4	34.2

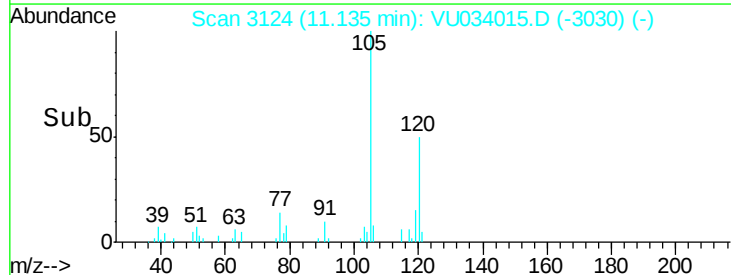
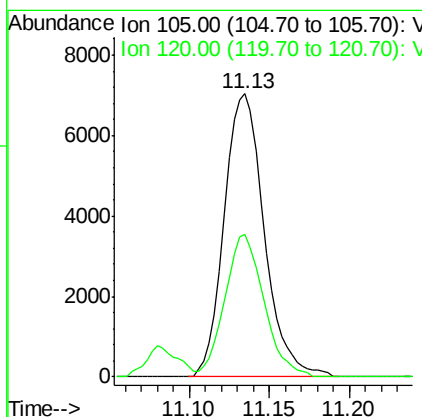
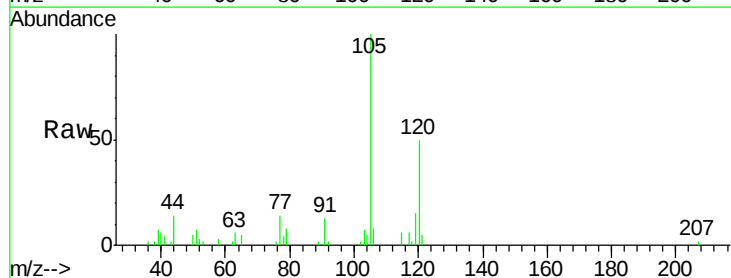
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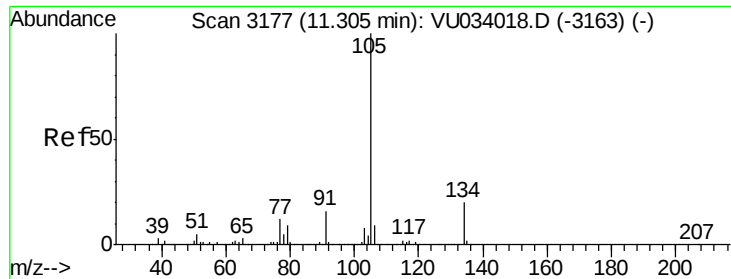
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.779 ug/l
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.9	22.6	67.8





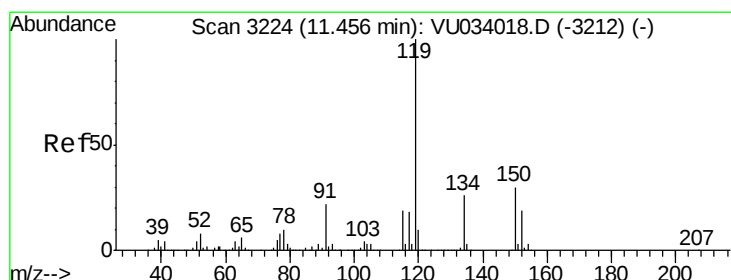
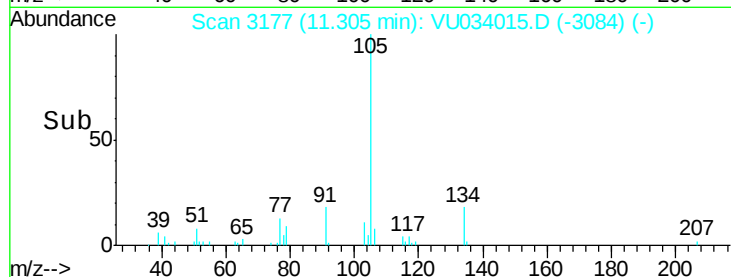
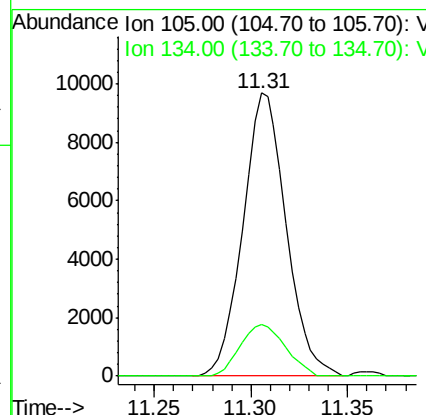
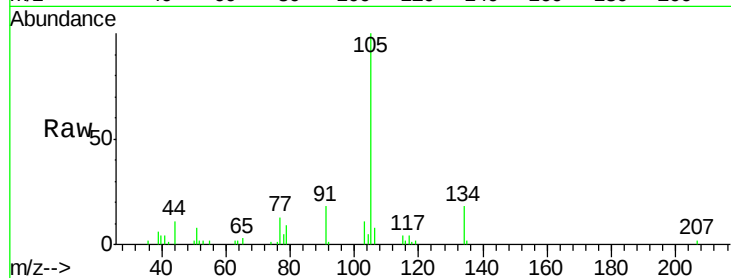
#85
 sec-Butylbenzene
 Concen: 0.829 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	10.0	30.0

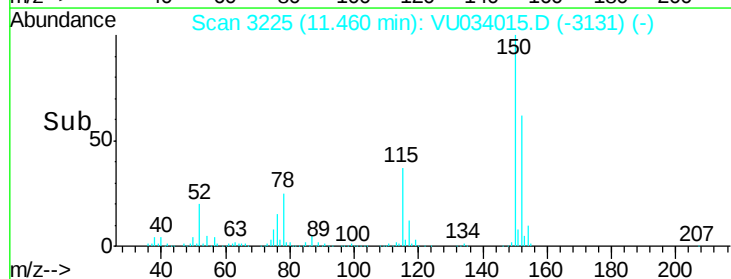
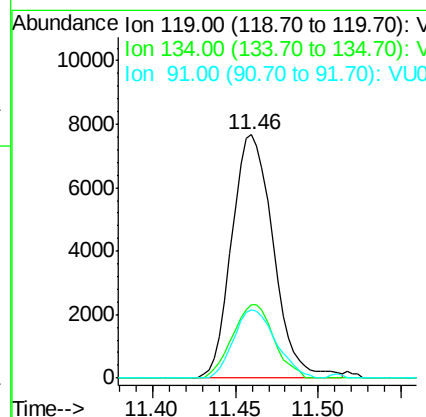
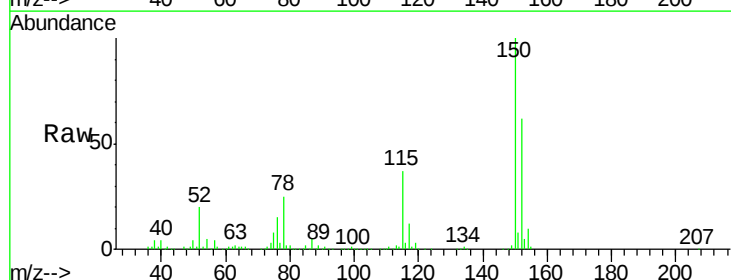
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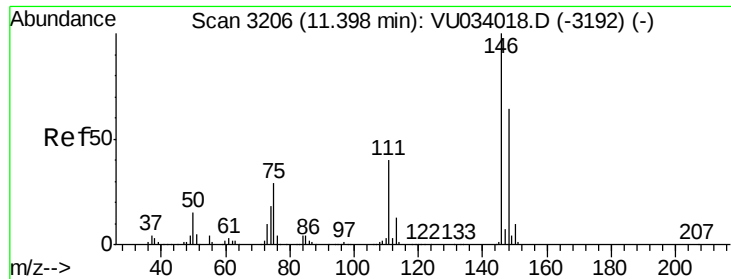
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#86
 p-Isopropyltoluene
 Concen: 0.789 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	29.9	13.1	39.1
91	28.3	11.2	33.6





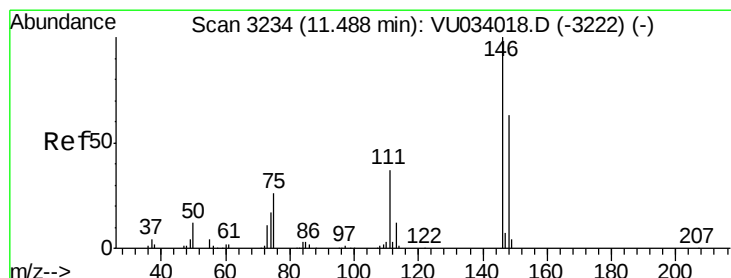
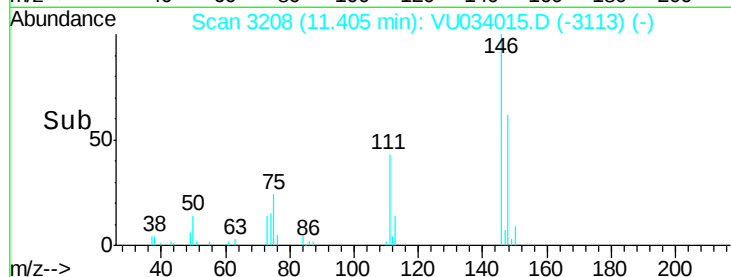
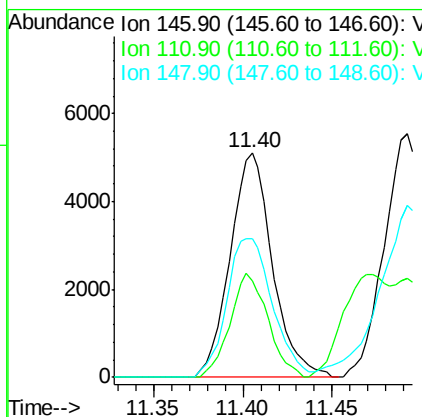
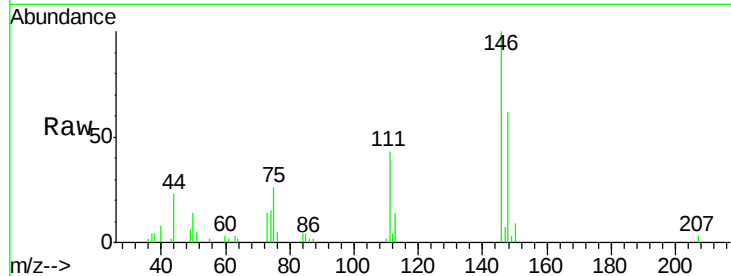
#87
 1,3-Dichlorobenzene
 Concen: 0.927 ug/l
 RT: 11.40 min Scan# 3208
 Delta R.T. 0.01 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.9	59.6
148	67.2	31.9	95.5

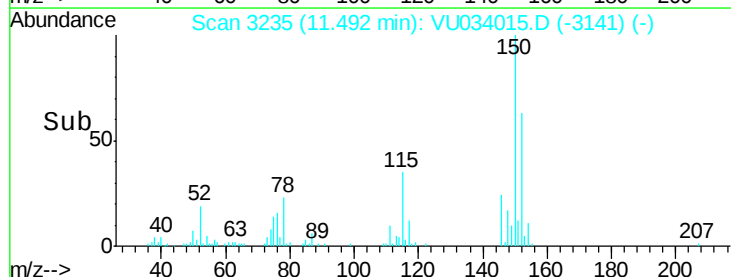
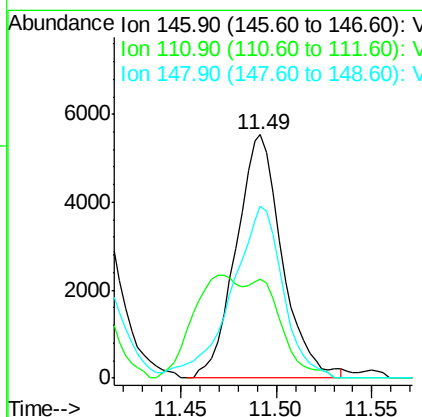
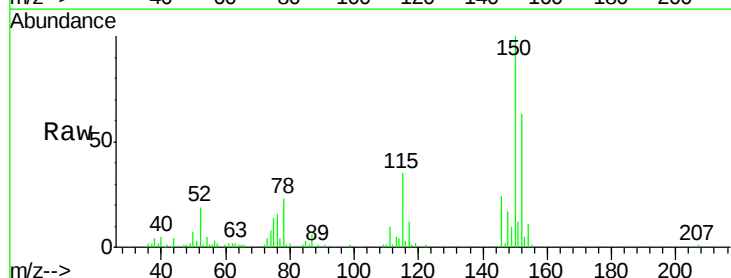
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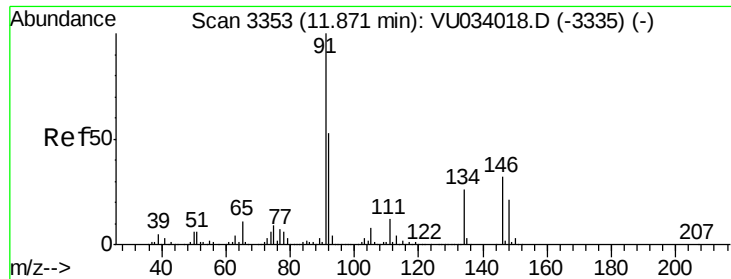
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#88
 1,4-Dichlorobenzene
 Concen: 1.008 ug/l m
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.2	57.6
148	61.2	31.9	95.9





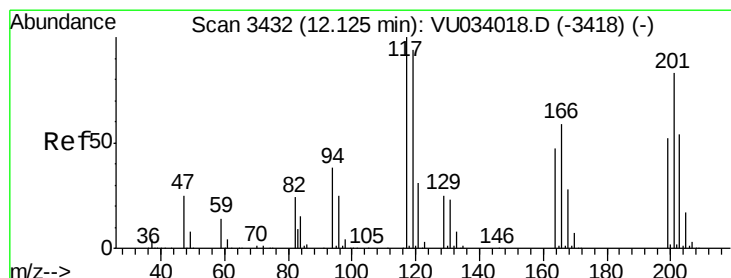
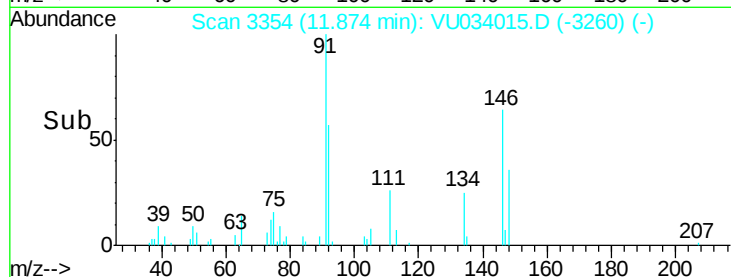
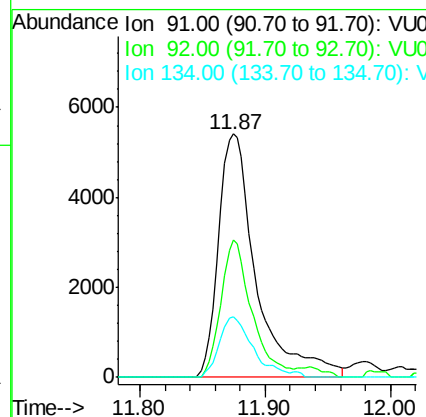
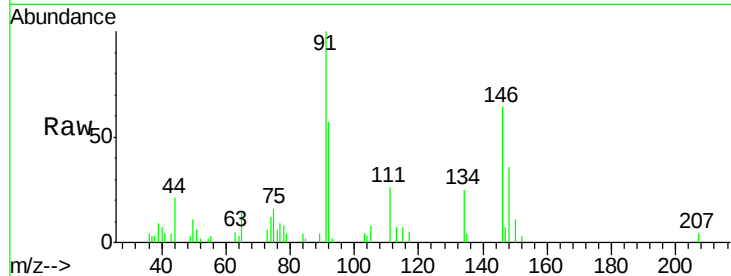
#89
n-Butylbenzene
Concen: 0.792 ug/l
RT: 11.87 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	45.9	26.3	78.9
134	22.0	12.9	38.7

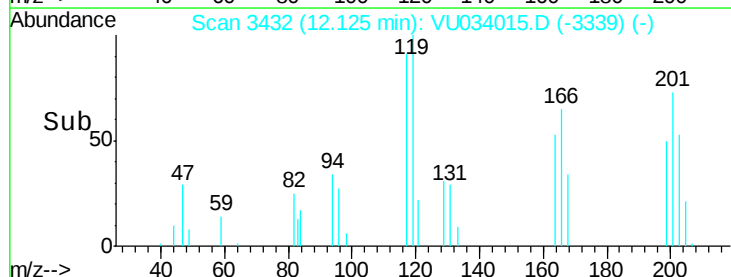
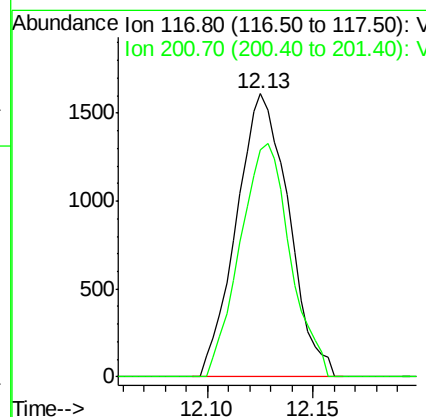
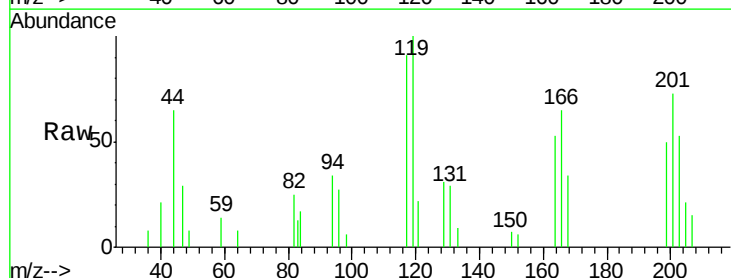
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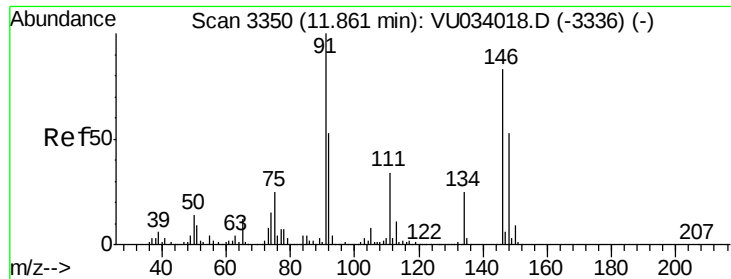
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#90
Hexachloroethane
Concen: 0.984 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	42.5	127.6





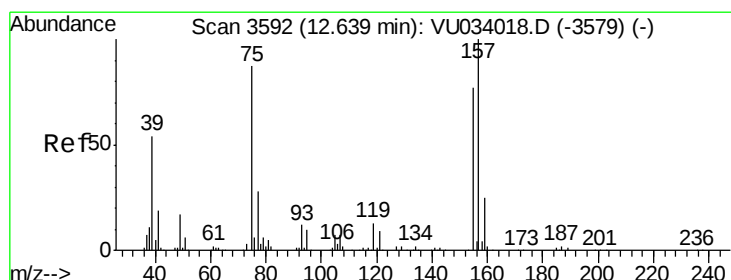
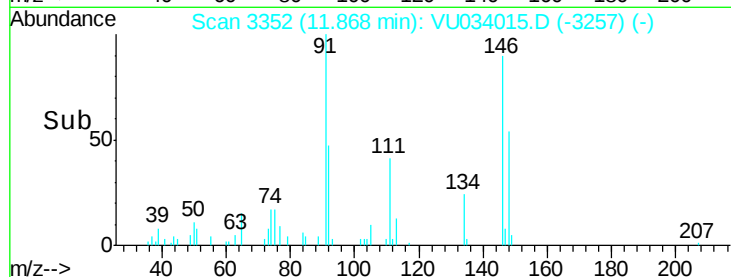
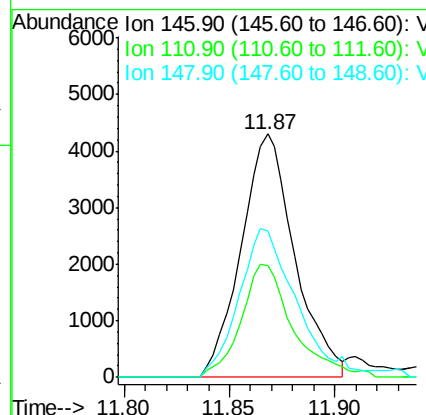
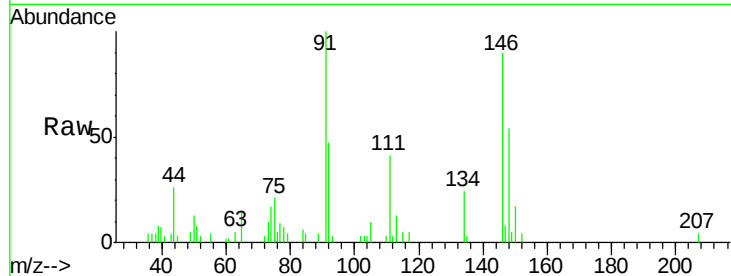
#91
 1,2-Dichlorobenzene
 Concen: 0.848 ug/l
 RT: 11.87 min Scan# 3352
 Delta R.T. 0.01 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	20.4	61.2
148	65.8	32.3	96.8

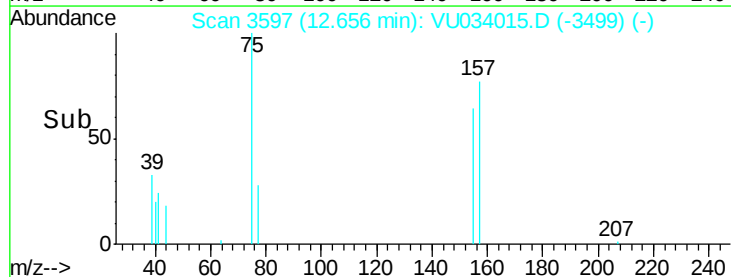
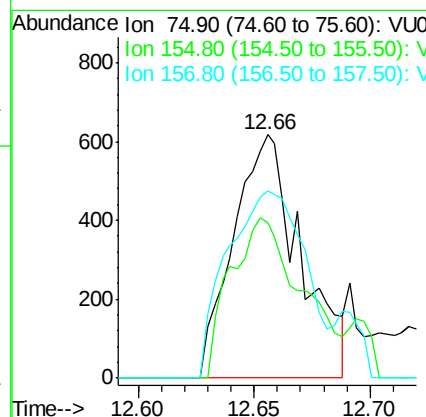
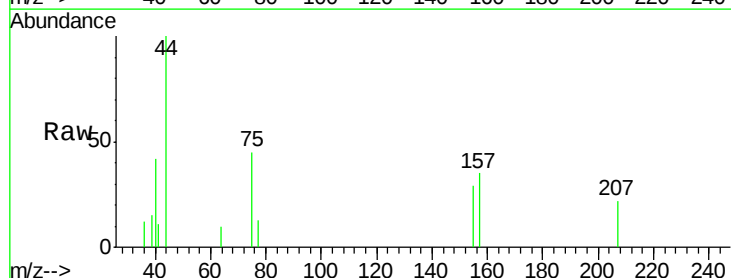
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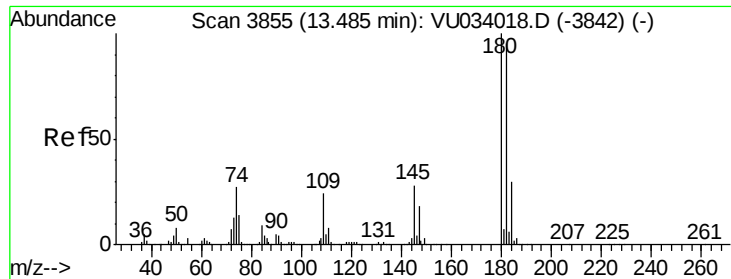
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.935 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.02 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.1	43.5	130.7
157	89.2	56.9	170.6





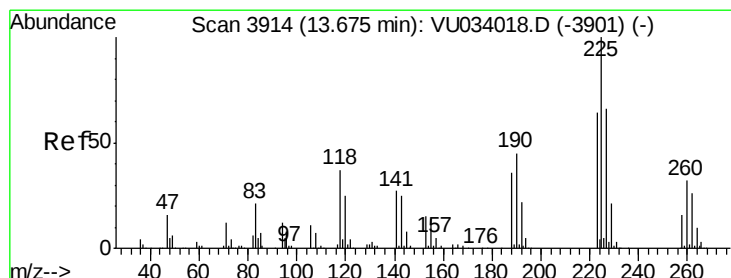
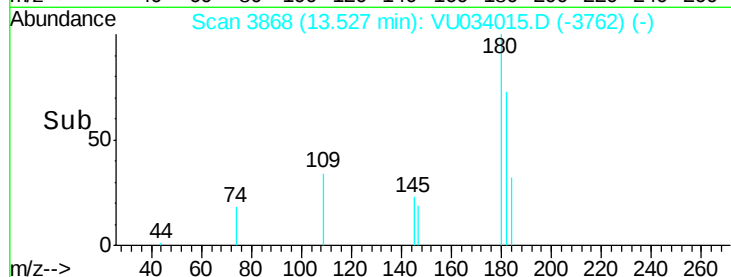
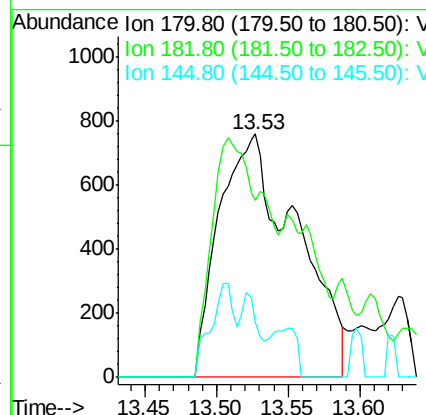
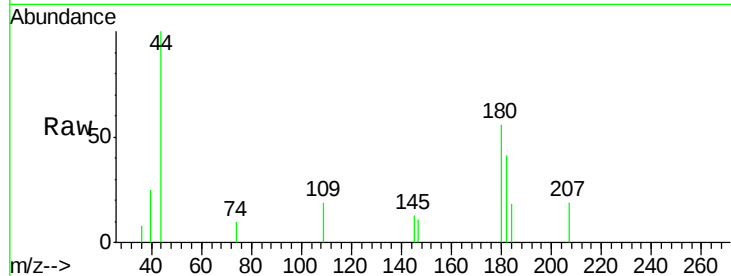
#93
 1,2,4-Trichlorobenzene
 Concen: 0.521 ug/l m
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.04 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.4	142.2#
145	7.5	14.1	42.3#

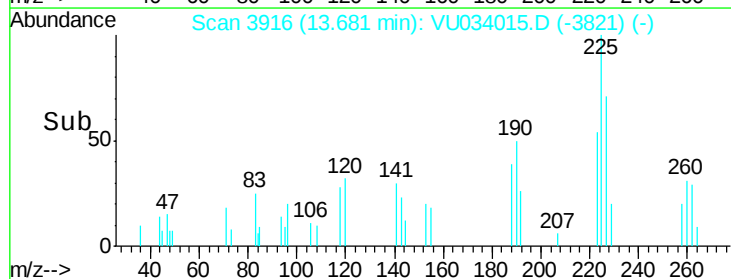
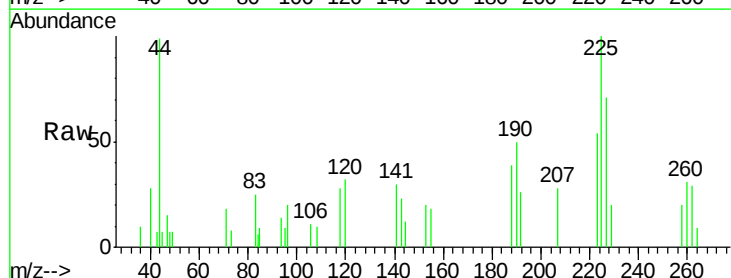
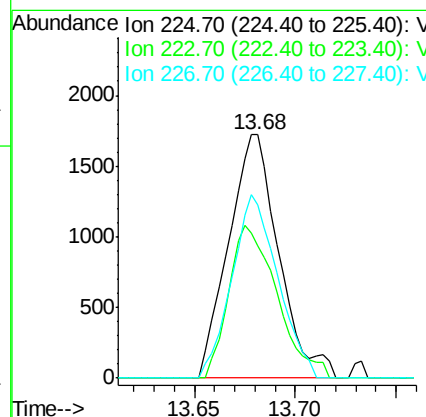
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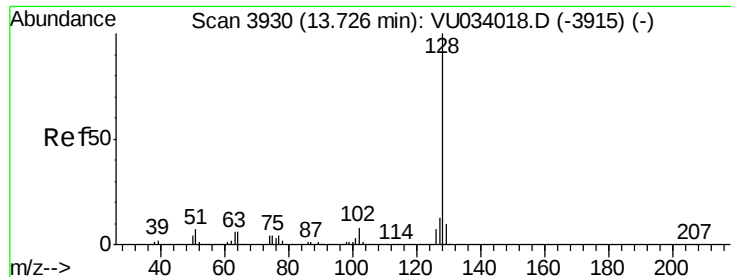
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#94
 Hexachlorobutadiene
 Concen: 0.823 ug/l
 RT: 13.68 min Scan# 3916
 Delta R.T. 0.01 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.8	95.3
227	69.3	32.6	97.8





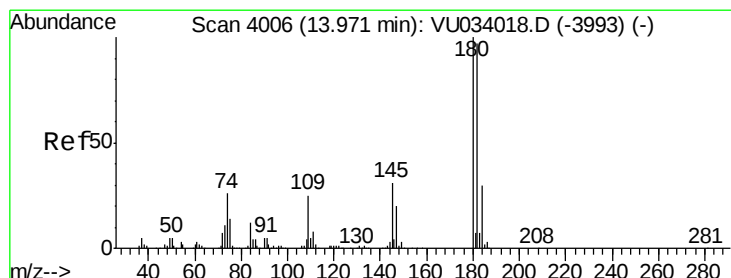
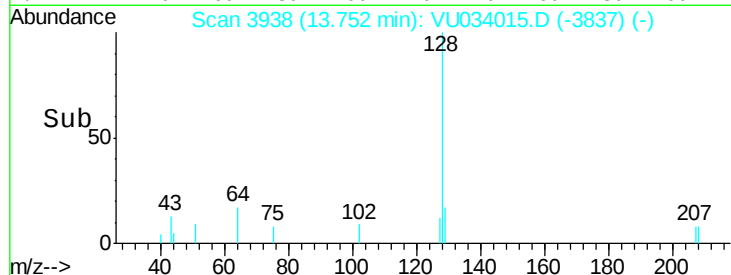
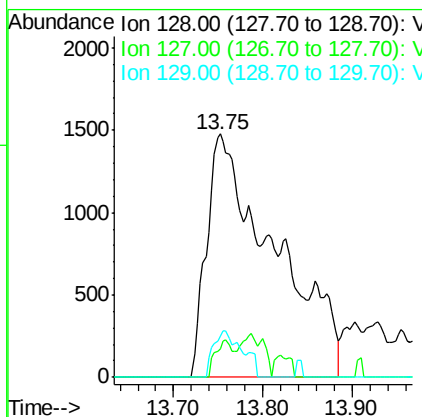
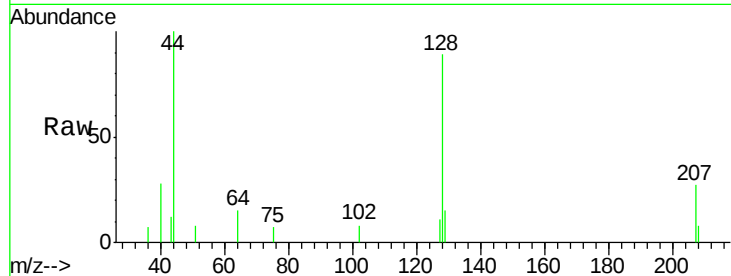
#95
Naphthalene
Concen: 0.534 ug/l m
RT: 13.75 min Scan# 3938
Delta R.T. 0.03 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	3.9	10.2	15.4#
129	7.1	8.4	12.6#

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#96
1,2,3-Trichlorobenzene
Concen: 0.752 ug/l m
RT: 13.98 min Scan# 4010
Delta R.T. 0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	76.6	48.2	144.6
145	26.3	15.5	46.5

