

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\
 Data File : VU034019.D
 Acq On : 28 Aug 2019 13:13
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 8:47:14 AM

Quant Time: Aug 29 03:46:21 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	469236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	738954	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	744174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	394905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.28	65	577275	105.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.82%	
35) Dibromofluoromethane	4.86	113	489613	97.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.34%	
50) Toluene-d8	7.55	98	1941787	103.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.24%	
62) 4-Bromofluorobenzene	10.29	95	761960	105.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	481522	99.398	ug/l	100
3) Chloromethane	1.32	50	604732	98.671	ug/l	100
4) Vinyl Chloride	1.40	62	612758	119.738	ug/l	100
5) Bromomethane	1.60	94	275018	92.010	ug/l	97
6) Chloroethane	1.66	64	349416	114.785	ug/l	100
7) Trichlorofluoromethane	1.86	101	700408	107.679	ug/l	99
8) Diethyl Ether	2.09	74	303476	120.078	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.26	101	433263	105.317	ug/l	99
10) Methyl Iodide	2.39	142	664444	107.439	ug/l	99
11) Tert butyl alcohol	2.84	59	714550	513.234	ug/l	100
12) 1,1-Dichloroethene	2.26	96	447432	104.064	ug/l	99
13) Acrolein	2.18	56	255398	543.097	ug/l	99
14) Allyl chloride	2.57	41	866504	112.407	ug/l	98
15) Acrylonitrile	2.92	53	1616689	563.978	ug/l	100
16) Acetone	2.31	43	1415879	536.535	ug/l	100
17) Carbon Disulfide	2.45	76	1409835	100.163	ug/l	99
18) Methyl Acetate	2.60	43	719629	111.054	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	1538679	106.774	ug/l	99
20) Methylene Chloride	2.68	84	538190	98.302	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	486833	100.147	ug/l	100
22) Diisopropyl ether	3.55	45	1587581	111.915	ug/l	95
23) Vinyl Acetate	3.50	43	7119709	588.979	ug/l	100
24) 1,1-Dichloroethane	3.42	63	926465	105.761	ug/l	100
25) 2-Butanone	4.23	43	2209299	583.289	ug/l	99
26) 2,2-Dichloropropane	4.19	77	750990	101.948	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	560912	102.893	ug/l	99
28) Bromochloromethane	4.52	49	455747	112.005	ug/l	100
29) Tetrahydrofuran	4.61	42	1352488	573.165	ug/l	99
30) Chloroform	4.65	83	880142	98.803	ug/l	98
31) Cyclohexane	4.97	56	831432	102.582	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	754442	101.163	ug/l	100
36) 1,1-Dichloropropene	5.11	75	682535	98.600	ug/l	99
37) Ethyl Acetate	4.35	43	776303	109.990	ug/l	99
38) Carbon Tetrachloride	5.11	117	656034	94.007	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	850981	104.024	ug/l	99
40) Benzene	5.36	78	2058341	99.894	ug/l	100
41) Methacrylonitrile	4.52	41	427861	116.399	ug/l	99
42) 1,2-Dichloroethane	5.38	62	698554	99.890	ug/l	99
43) Isopropyl Acetate	5.53	43	1254798	115.623	ug/l	100
44) Trichloroethene	6.16	130	545699	94.386	ug/l	97
45) 1,2-Dichloropropane	6.41	63	576231	103.723	ug/l	99
46) Dibromomethane	6.54	93	371655	99.562	ug/l	99
47) Bromodichloromethane	6.74	83	726974	101.900	ug/l	99
48) Methyl methacrylate	6.60	41	629953	120.878	ug/l	99
49) 1,4-Dioxane	6.59	88	310868	2256.333	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	4347543	578.623	ug/l	99
52) Toluene	7.62	92	1326820	102.265	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	871935	109.697	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	926266	108.264	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	558526	101.388	ug/l	100
56) Ethyl methacrylate	8.00	69	930613	118.558	ug/l	99
57) 1,3-Dichloropropane	8.22	76	957265	106.838	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	1172146	405.958	ug/l	99
59) 2-Hexanone	8.35	43	3342976	579.365	ug/l	100
60) Dibromochloromethane	8.46	129	627472	102.460	ug/l	99
61) 1,2-Dibromoethane	8.57	107	593877	102.739	ug/l	100
64) Tetrachloroethene	8.21	164	476788	81.053	ug/l	99
65) Chlorobenzene	9.10	112	1506039	96.854	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	554656	96.530	ug/l	100
67) Ethyl Benzene	9.23	91	2646777	101.554	ug/l	100
68) m/p-Xylenes	9.36	106	2016703	201.239	ug/l	100
69) o-Xylene	9.76	106	987715	102.836	ug/l	99
70) Styrene	9.77	104	1737580	105.659	ug/l	100
71) Bromoform	9.94	173	499697	98.245	ug/l #	99
73) Isopropylbenzene	10.15	105	2677907	102.729	ug/l	100
74) N-amyl acetate	10.00	43	1199676	119.733	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	943218	99.542	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	820434m	101.028	ug/l	
77) Bromobenzene	10.43	156	692324	94.862	ug/l	100
78) n-propylbenzene	10.57	91	3135548	105.642	ug/l	99
79) 2-Chlorotoluene	10.64	91	1819072	101.477	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	2303997	103.316	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	268787m	98.408	ug/l	
82) 4-Chlorotoluene	10.76	91	2122789	102.574	ug/l	99
83) tert-Butylbenzene	11.08	119	2257807	103.930	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	2323004	105.851	ug/l	99
85) sec-Butylbenzene	11.31	105	2725441	105.218	ug/l	100
86) p-Isopropyltoluene	11.46	119	2500794	103.722	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	1239437	95.826	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	1230028	94.311	ug/l	100
89) n-Butylbenzene	11.87	91	2292687	112.574	ug/l	99
90) Hexachloroethane	12.13	117	418334	104.524	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	1207292	95.034	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	208398	110.928	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	853721	109.756	ug/l	99
94) Hexachlorobutadiene	13.67	225	472266	91.599	ug/l	99
95) Naphthalene	13.73	128	2463396	119.458	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	833210	103.700	ug/l	99

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

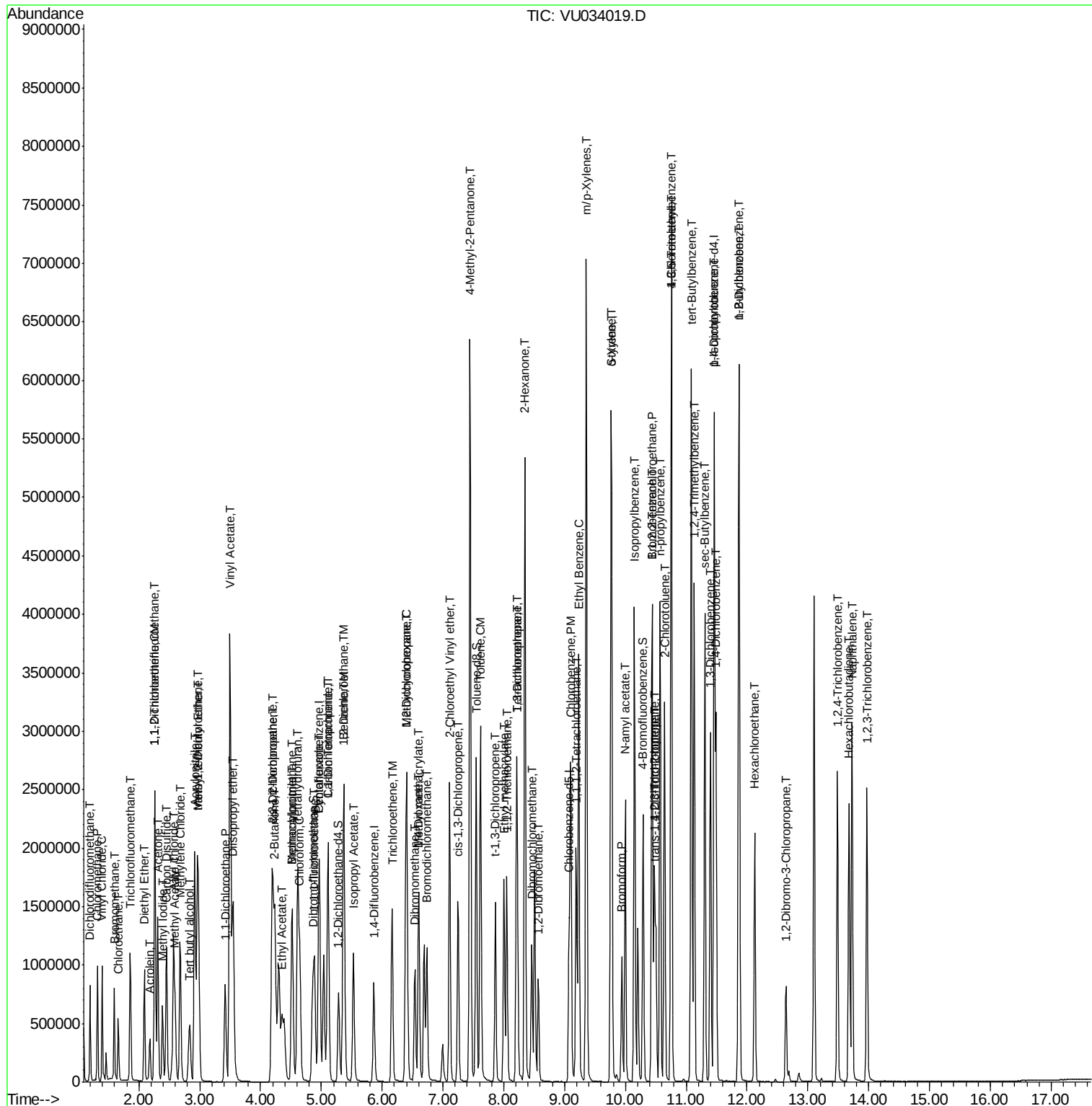
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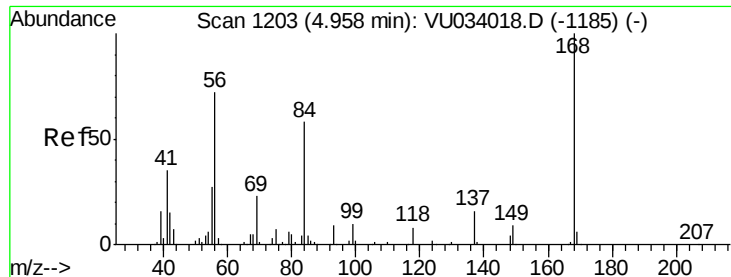
Instrument :
 MSVOA_U
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 469236

Ion Ratio Lower Upper

168 100

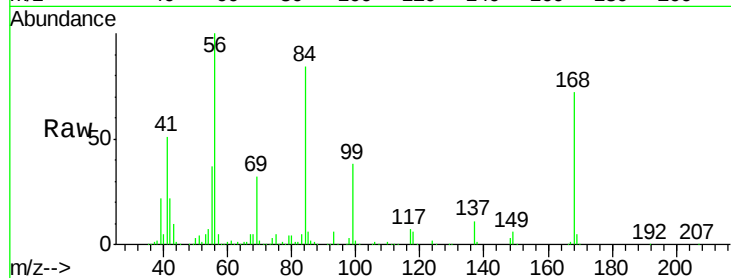
99 52.6 42.3 63.5

Manual Integrations

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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) (-)

250000

200000

150000

100000

50000

0

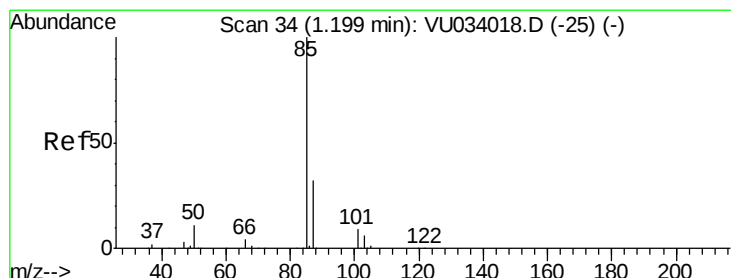
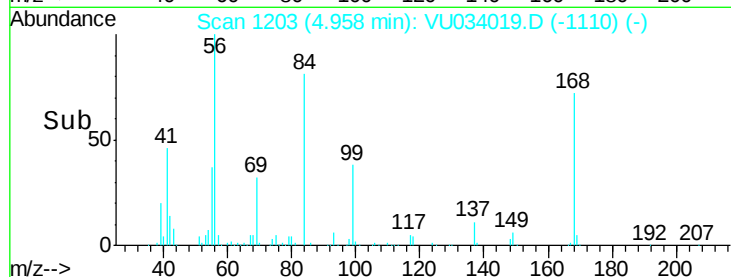
4.90

4.96

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 99.398 ug/l

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU034019.D

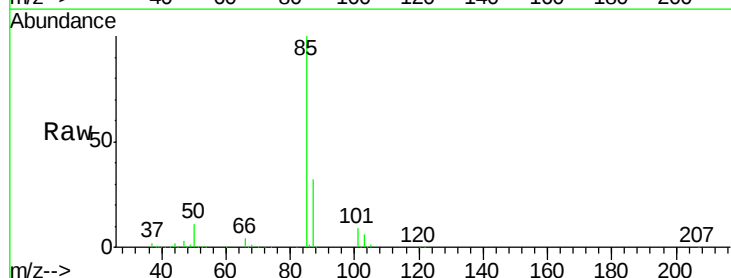
Acq: 28 Aug 2019 13:13

Tgt Ion: 85 Resp: 481522

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034019.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034019.D (-1) (-)

500000

400000

300000

200000

100000

0

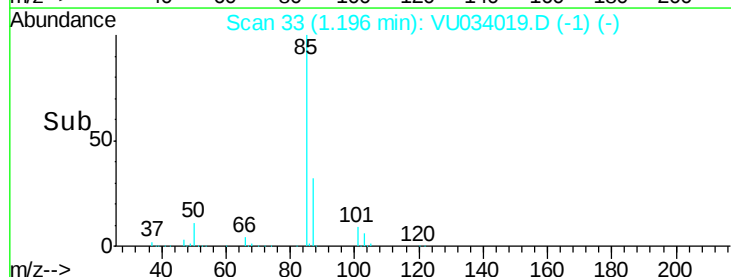
1.15

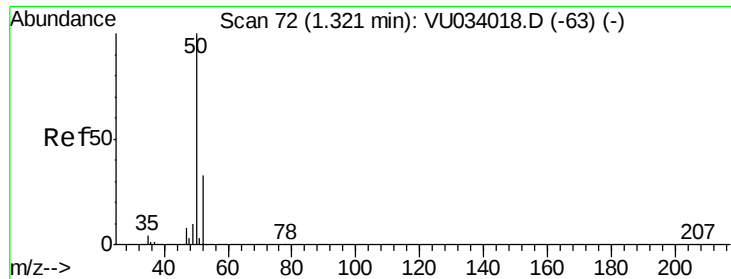
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 98.671 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 604732

Ion Ratio Lower Upper

50 100

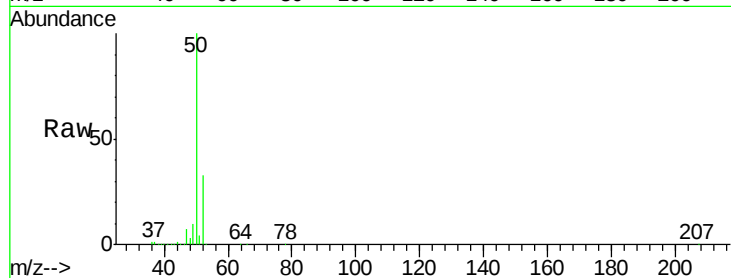
52 32.9 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU034019.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034019.D (-1) (-)

1.32

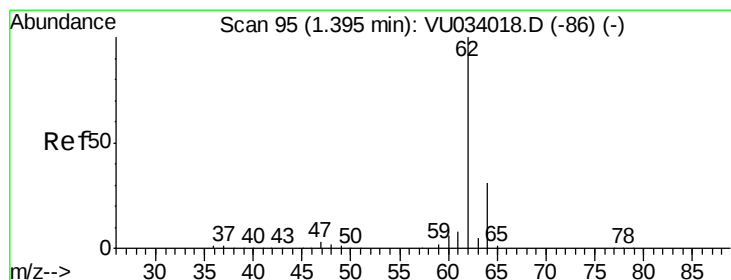
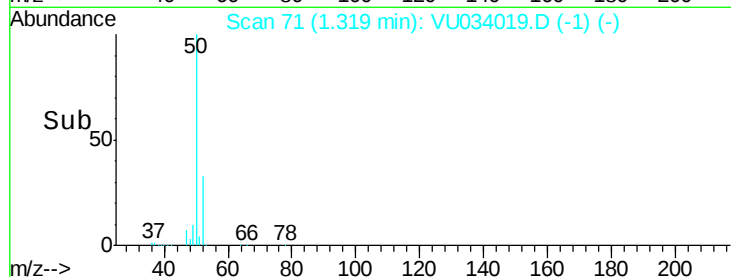
600000

400000

200000

0

Time--> 1.25 1.30 1.35



#4

Vinyl Chloride

Concen: 119.738 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034019.D

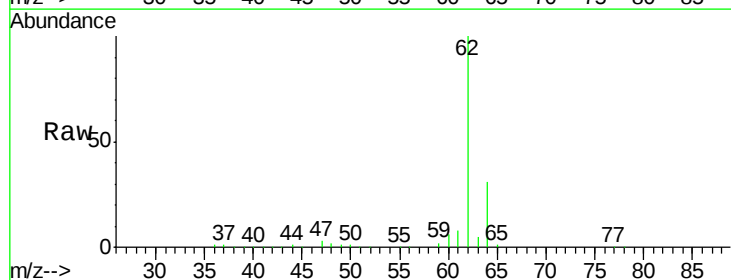
Acq: 28 Aug 2019 13:13

Tgt Ion: 62 Resp: 612758

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU034019.D (-2) (-)

Ion 63.90 (63.60 to 64.60): VU034019.D (-2) (-)

1.40

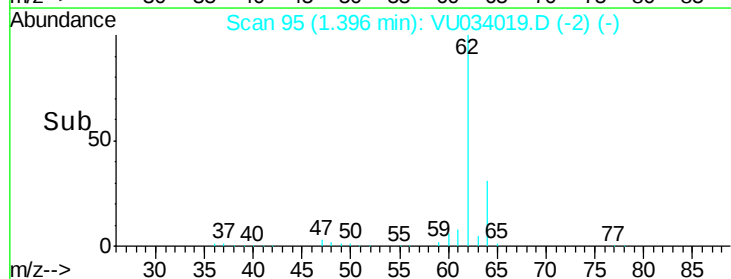
600000

400000

200000

0

Time--> 1.35 1.40 1.45





#5

Bromomethane

Concen: 92.010 ug/l

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 275018

Ion Ratio Lower Upper

94 100

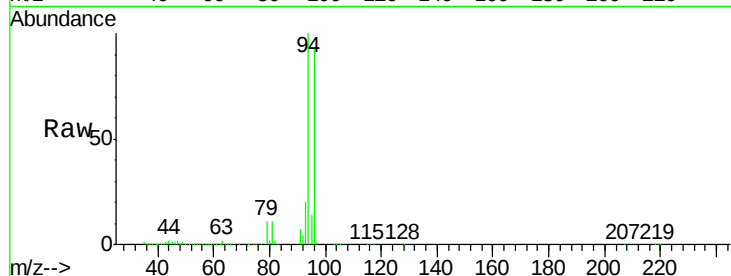
96 92.8 76.3 114.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU034019.D (-157) (-)

Ion 95.90 (95.60 to 96.60): VU034019.D (-157) (-)

1.60

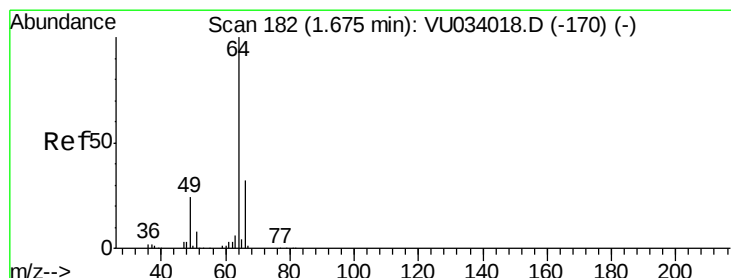
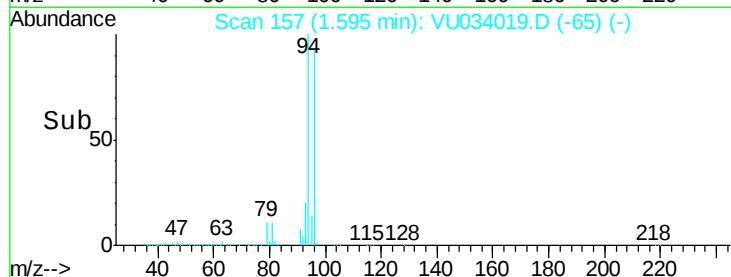
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 114.785 ug/l

RT: 1.66 min Scan# 177

Delta R.T. -0.02 min

Lab File: VU034019.D

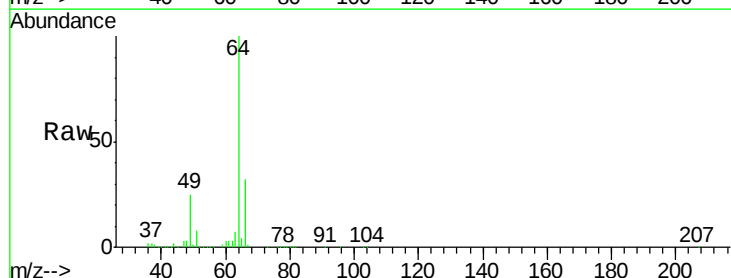
Acq: 28 Aug 2019 13:13

Tgt Ion: 64 Resp: 349416

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034019.D (-177) (-)

Ion 65.90 (65.60 to 66.60): VU034019.D (-177) (-)

1.66

300000

250000

200000

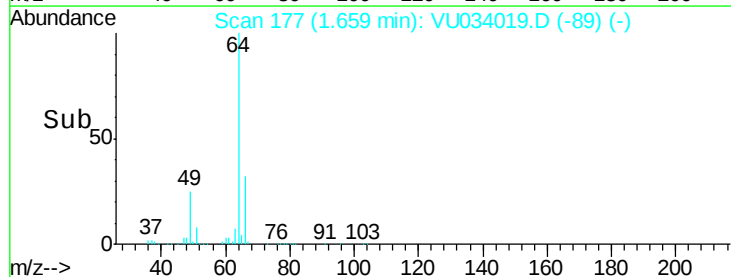
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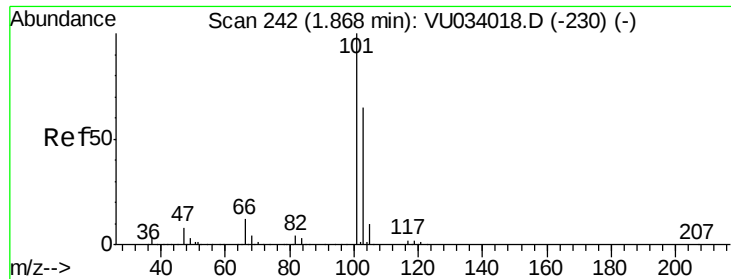
100000

50000

0

Time-->





#7

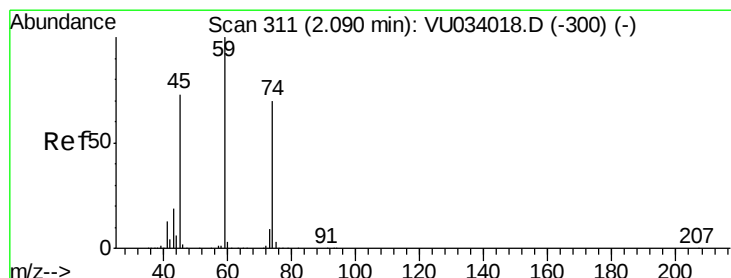
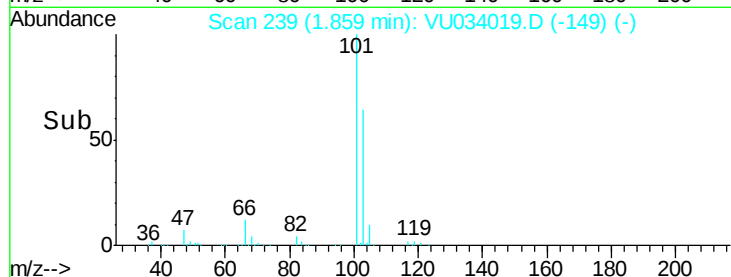
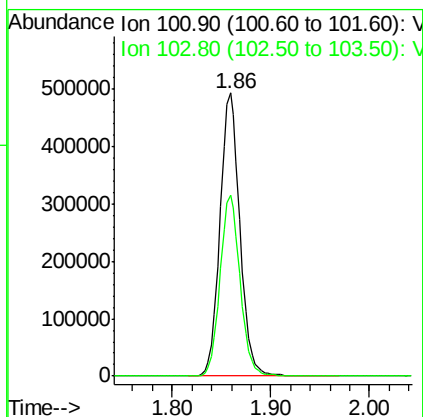
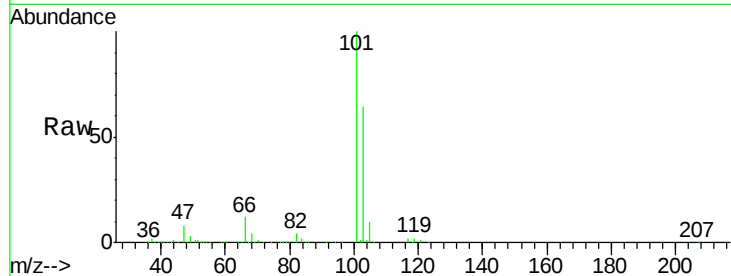
Trichlorofluoromethane
Concen: 107.679 ug/l
RT: 1.86 min Scan# 239
Delta R.T. -0.01 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	700408		
103	64.2	52.1	78.1	

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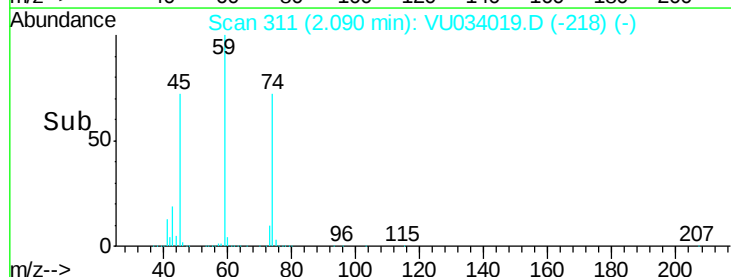
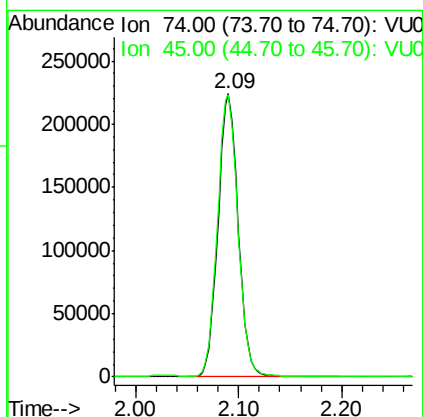
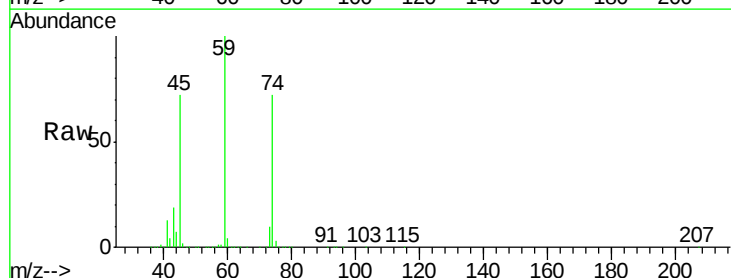
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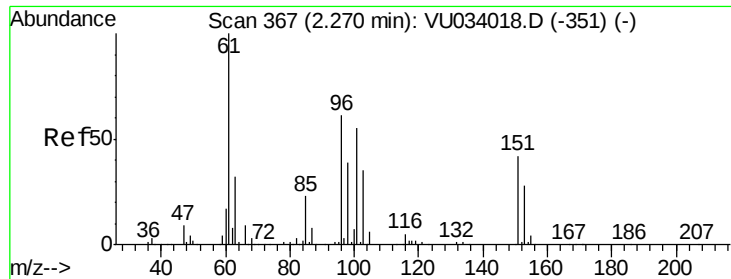


#8

Diethyl Ether
Concen: 120.078 ug/l
RT: 2.09 min Scan# 311
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	303476		
45	100.6	51.8	155.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 105.317 ug/l

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

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MSVOA_U

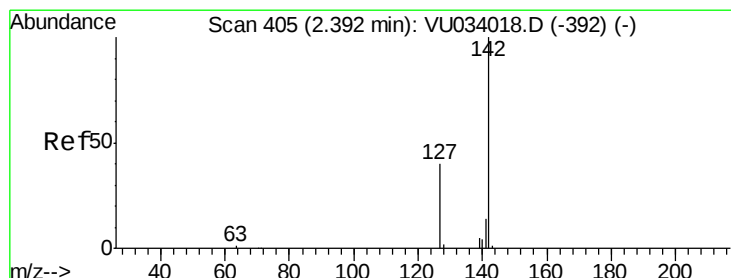
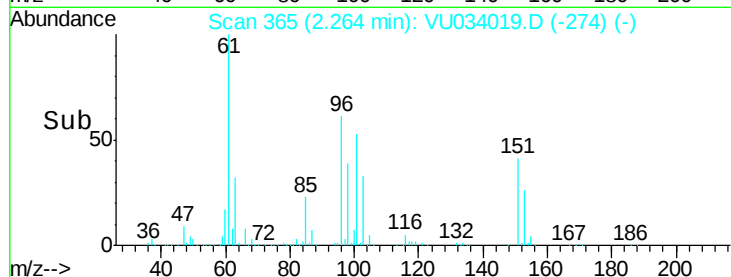
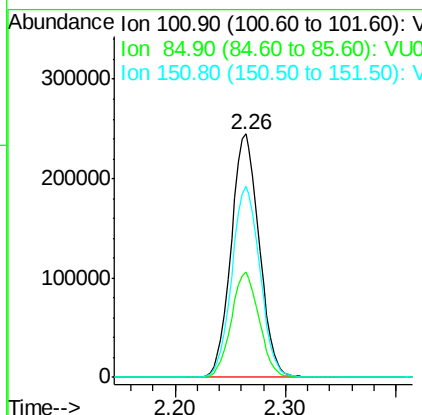
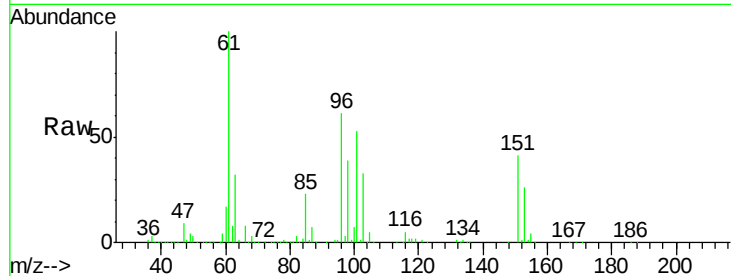
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	433263
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.2
151	78.6	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 107.439 ug/l

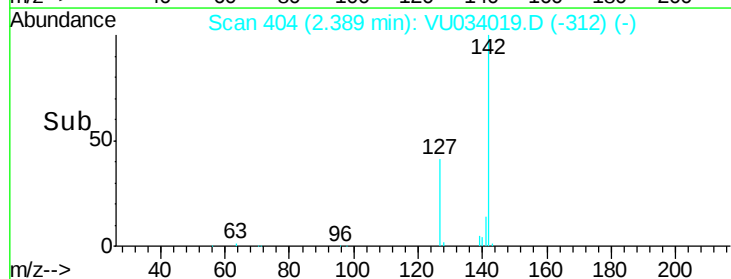
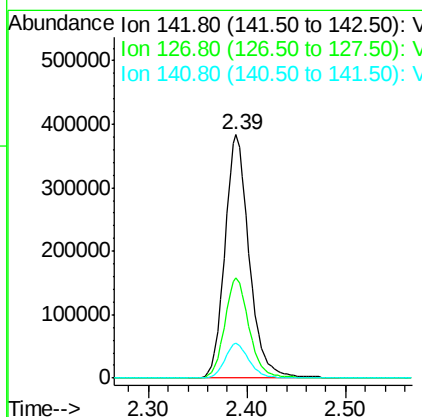
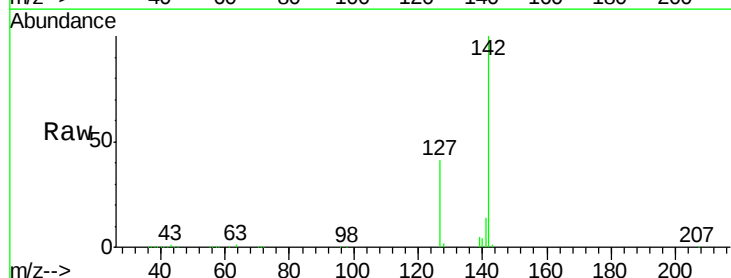
RT: 2.39 min Scan# 404

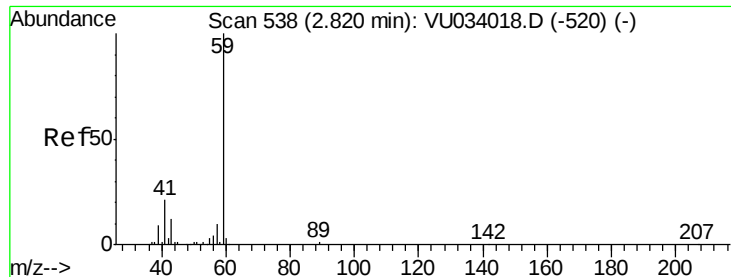
Delta R.T. -0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Tgt Ion:	142	Resp:	664444
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.6	48.8
141	14.2	11.3	16.9





#11

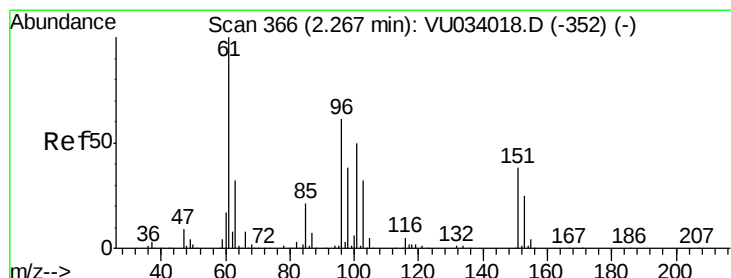
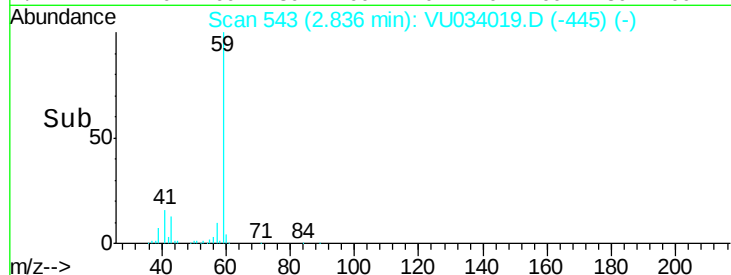
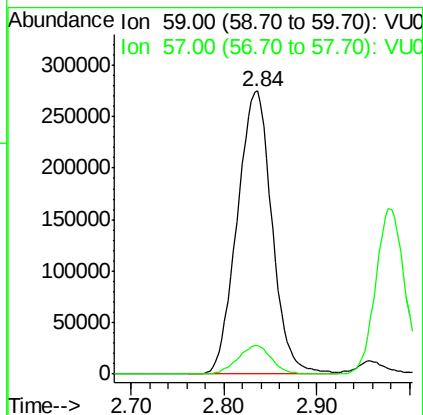
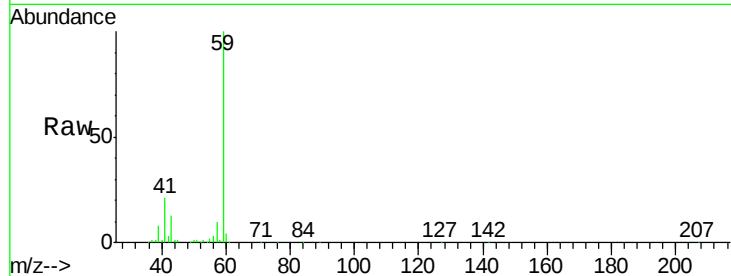
Tert butyl alcohol
 Concen: 513.234 ug/l
 RT: 2.84 min Scan# 543
 Delta R.T. 0.02 min
 Lab File: VU034019.D
 Acq: 28 Aug 2019 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	714550		
57	9.8		8.0	12.0

Manual Integrations
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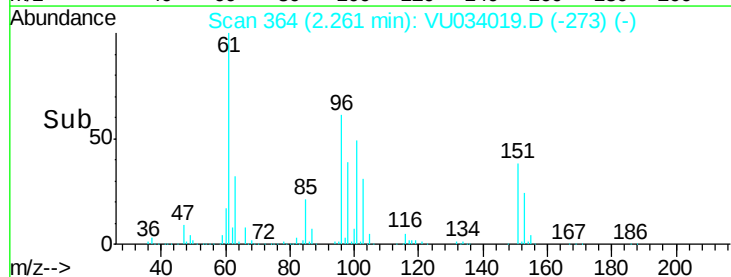
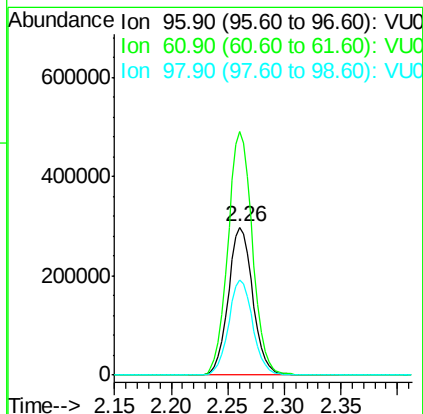
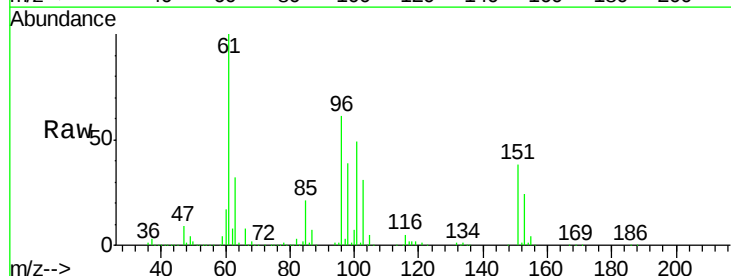
MMDadoda
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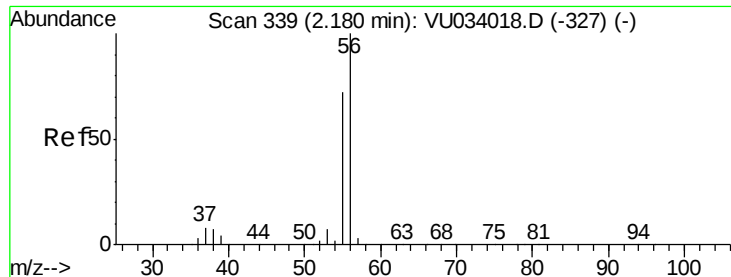


#12

1,1-Dichloroethene
 Concen: 104.064 ug/l
 RT: 2.26 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VU034019.D
 Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	447432		
61	164.5		131.3	196.9
98	63.9		50.3	75.5





#13

Acrolein

Concen: 543.097 ug/l

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 255398

Ion Ratio Lower Upper

56 100

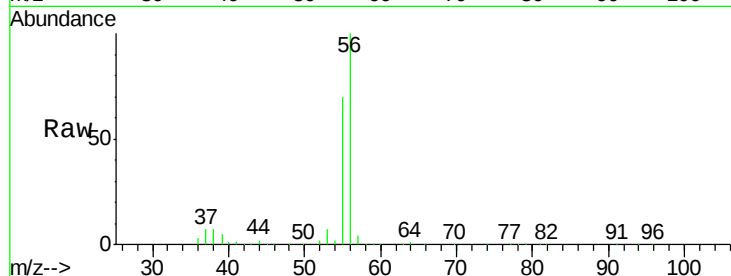
55 70.2 57.1 85.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU034019.D (-246) (-)

Ion 55.00 (54.70 to 55.70): VU034019.D (-246) (-)

200000

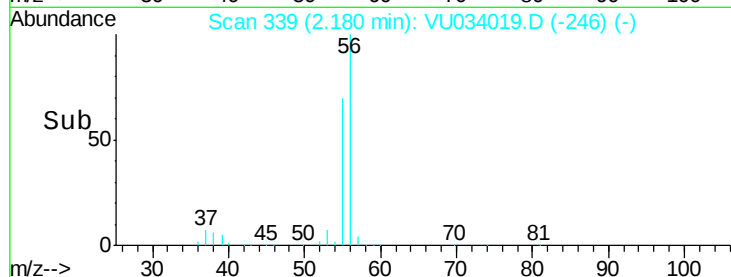
150000

100000

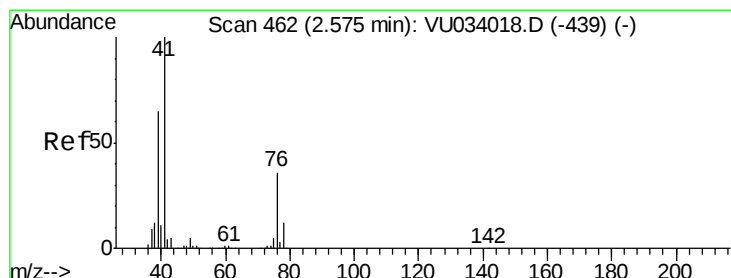
50000

0

Time-->



Time-->



#14

Allyl chloride

Concen: 112.407 ug/l

RT: 2.57 min Scan# 460

Delta R.T. -0.01 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

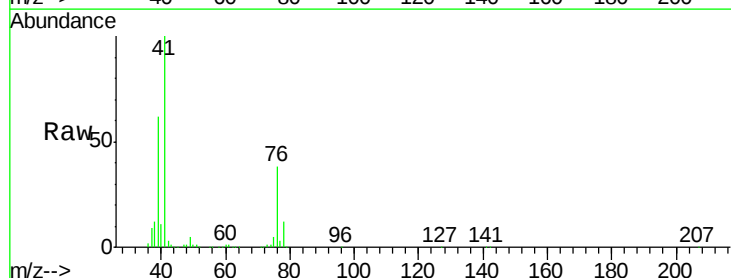
Tgt Ion: 41 Resp: 866504

Ion Ratio Lower Upper

41 100

39 56.6 46.8 70.2

76 33.3 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VU034019.D (-369) (-)

Ion 39.00 (38.70 to 39.70): VU034019.D (-369) (-)

Ion 75.90 (75.60 to 76.60): VU034019.D (-369) (-)

1200000

1000000

800000

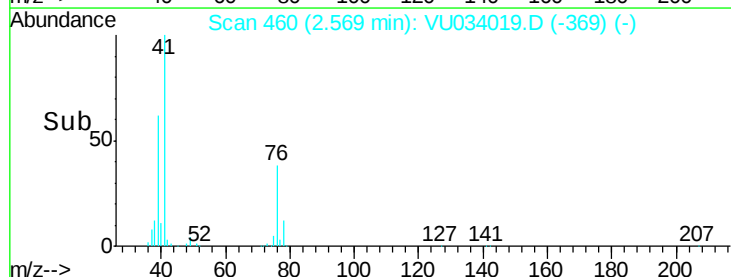
600000

400000

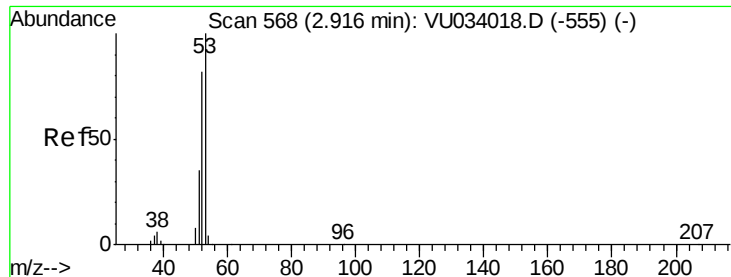
200000

0

Time-->



Time-->



#15

Acrylonitrile

Concen: 563.978 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampled :

VSTDIC100

Tot Ion: 53 Resp: 1616689

Ion Ratio Lower Upper

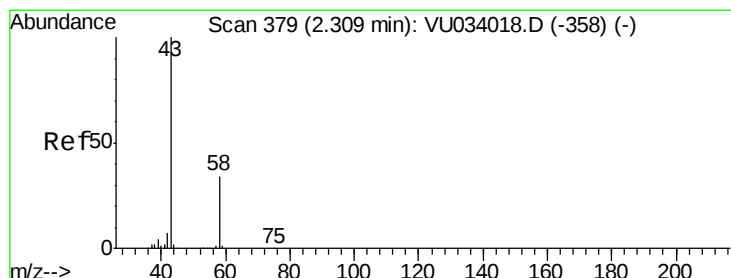
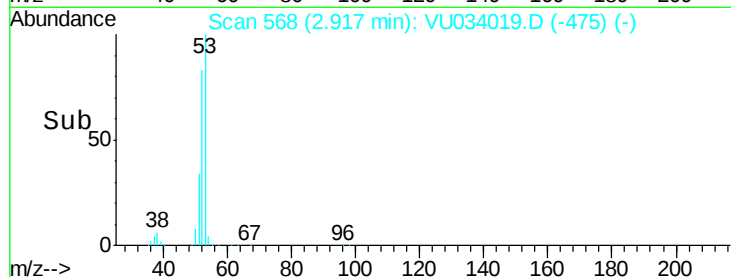
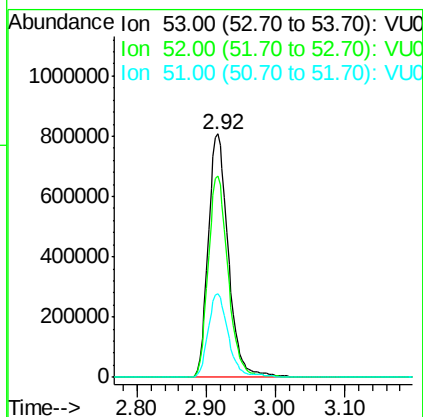
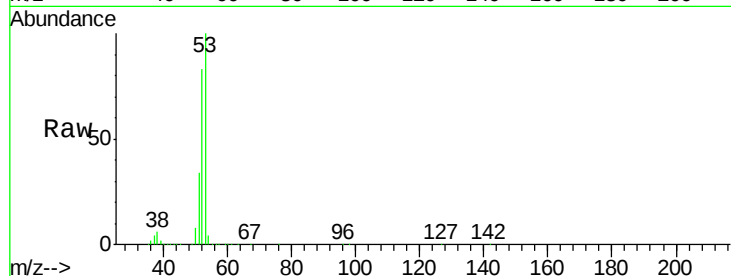
53 100

52 82.0 65.7 98.5

51 34.9 27.9 41.9

Manual Integrations
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#16

Acetone

Concen: 536.535 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034019.D

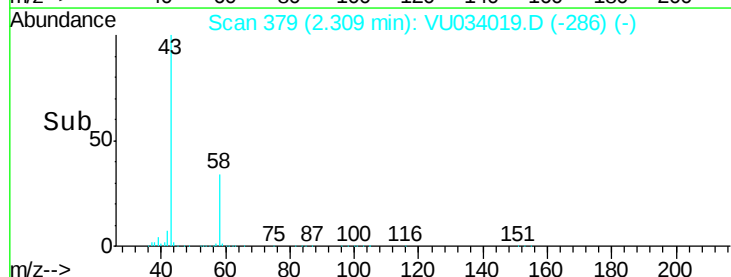
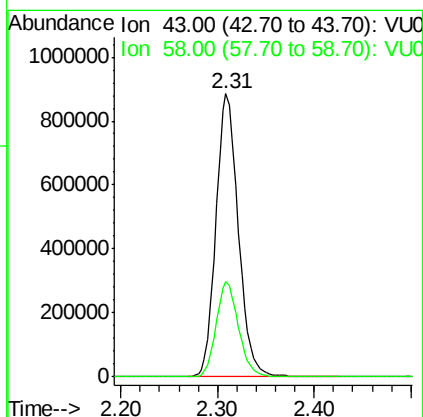
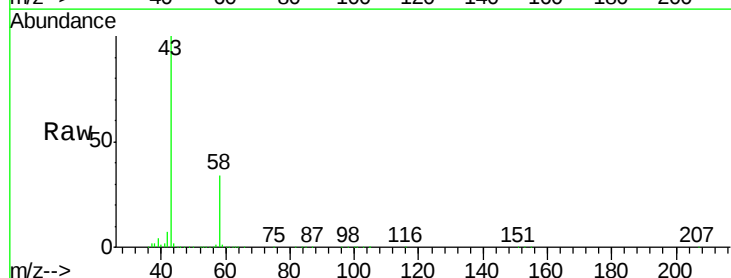
Acq: 28 Aug 2019 13:13

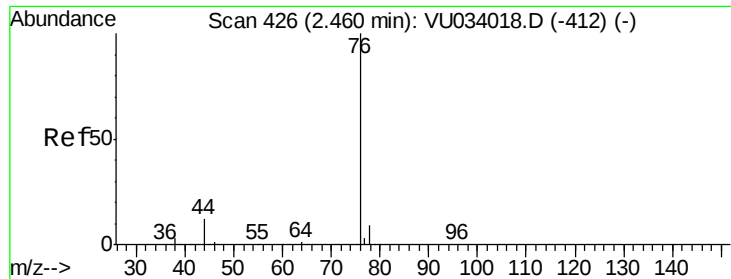
Tgt Ion: 43 Resp: 1415879

Ion Ratio Lower Upper

43 100

58 33.7 26.8 40.2





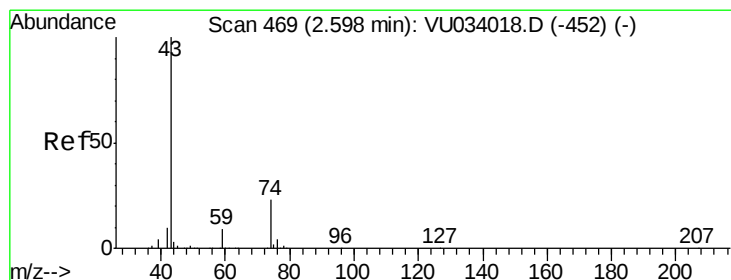
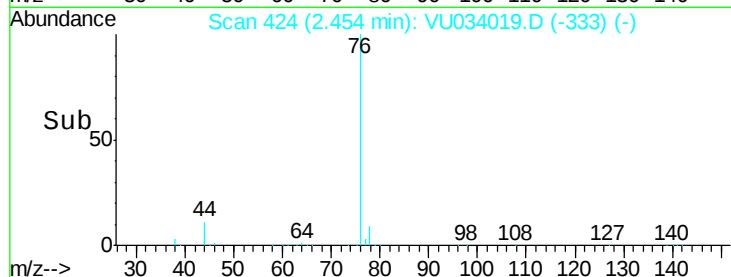
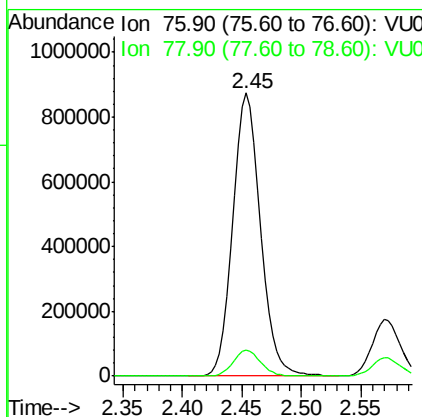
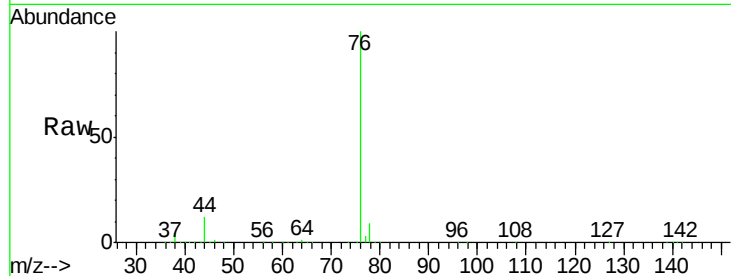
#17
Carbon Disulfide
Concen: 100.163 ug/l
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1409835
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

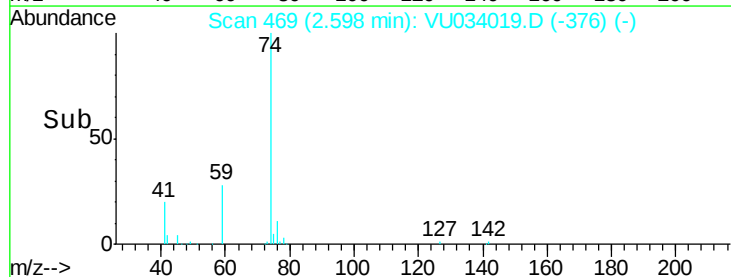
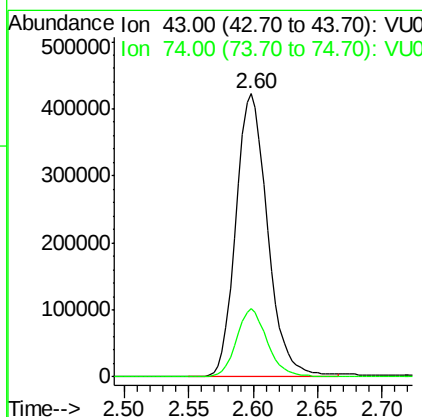
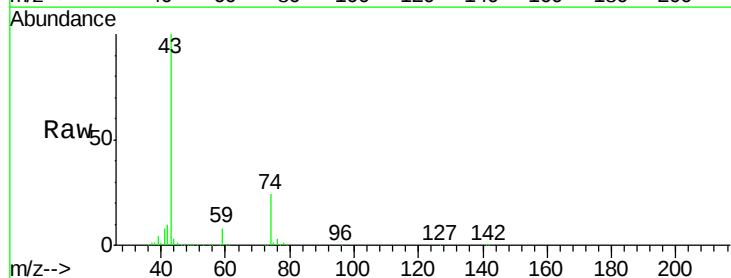
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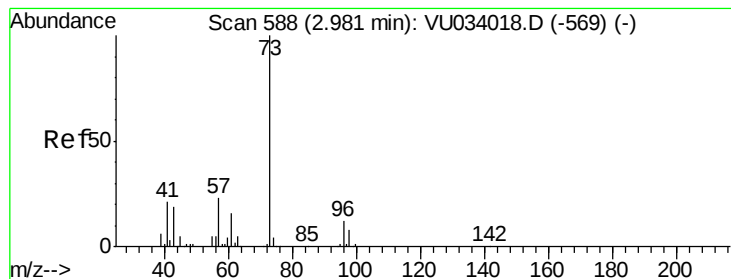
MMDadoda
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#18
Methyl Acetate
Concen: 111.054 ug/l
RT: 2.60 min Scan# 469
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion: 43 Resp: 719629
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8





#19

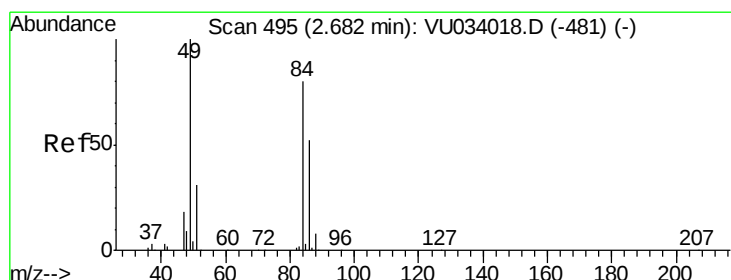
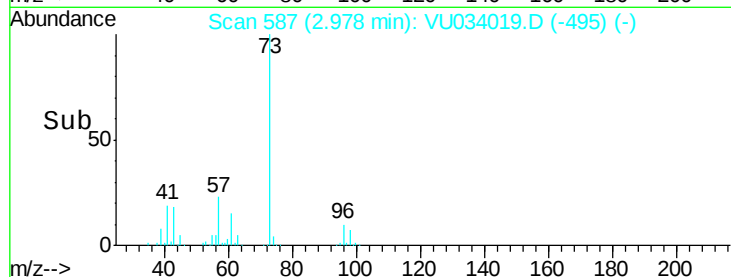
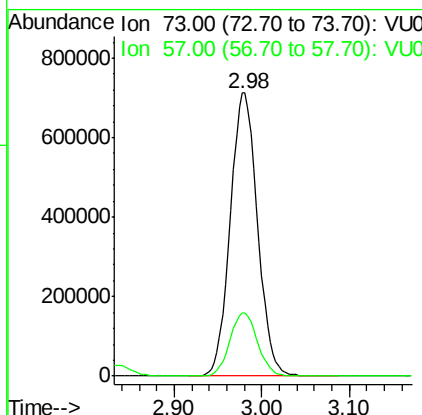
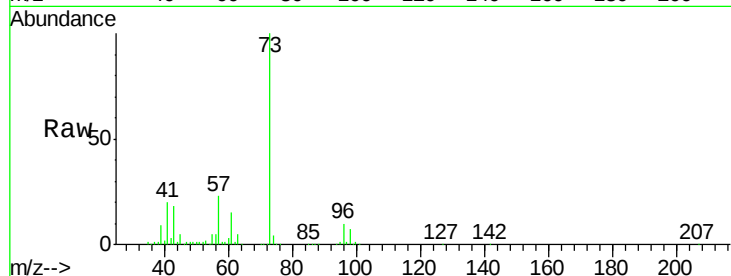
Methyl tert-butyl Ether
 Concen: 106.774 ug/l
 RT: 2.98 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VU034019.D
 Acq: 28 Aug 2019 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 1538679
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.3 27.5

Manual Integrations
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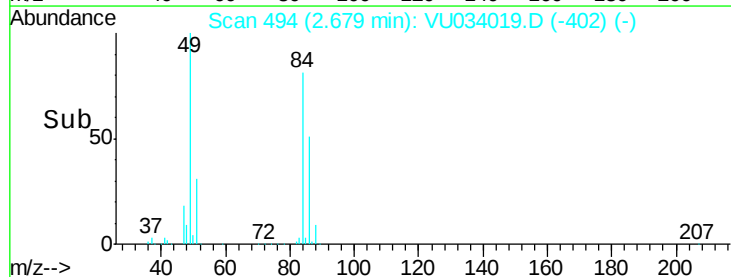
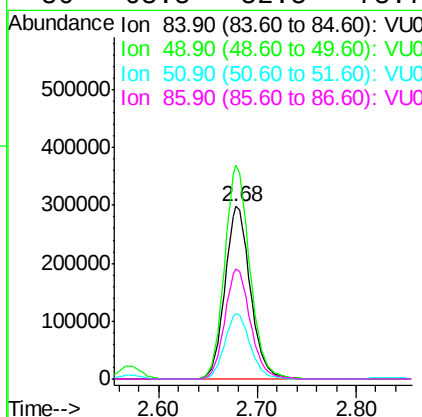
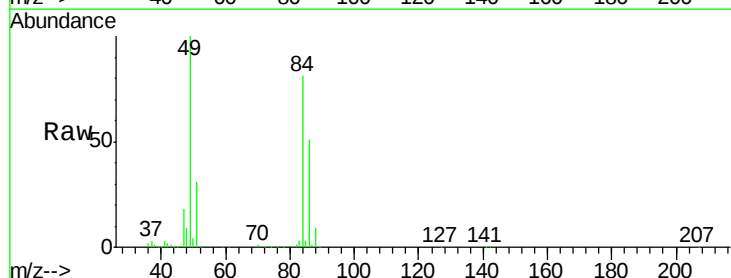
MMDadoda
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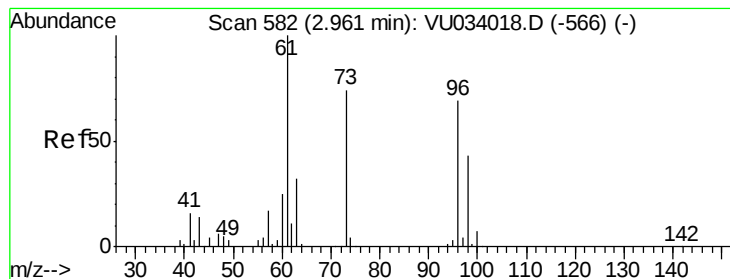


#20

Methylene Chloride
 Concen: 98.302 ug/l
 RT: 2.68 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VU034019.D
 Acq: 28 Aug 2019 13:13

Tgt Ion: 84 Resp: 538190
 Ion Ratio Lower Upper
 84 100
 49 123.9 100.2 150.4
 51 38.1 30.8 46.2
 86 63.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 100.147 ug/l

RT: 2.96 min Scan# 581

Delta R.T. -0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 486833

Ion Ratio Lower Upper

96 100

61 144.5 115.5 173.3

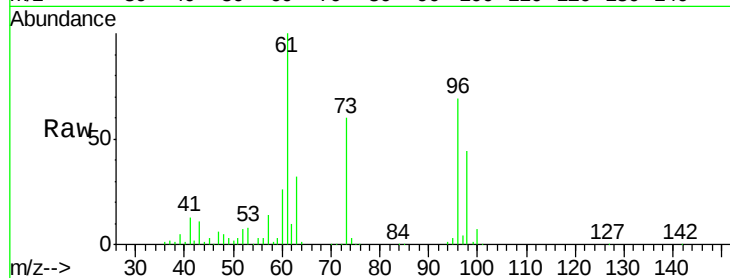
98 63.6 50.1 75.1

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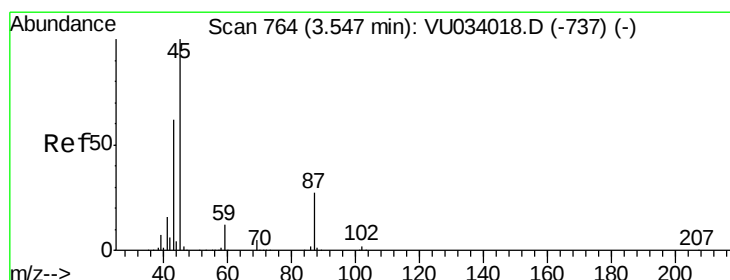
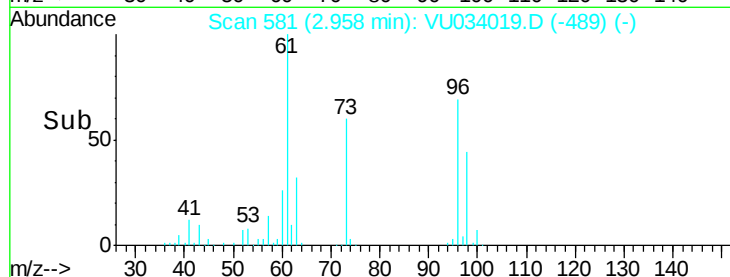
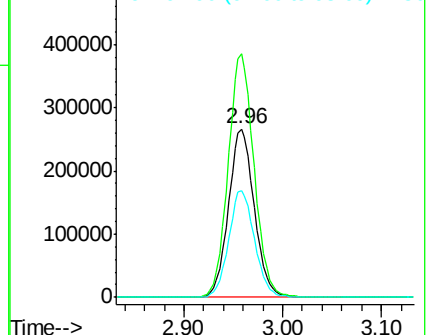


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 111.915 ug/l

RT: 3.55 min Scan# 764

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Tgt Ion: 45 Resp: 1587581

Ion Ratio Lower Upper

45 100

43 56.4 49.7 74.5

87 27.4 21.8 32.8

59 12.2 9.3 13.9

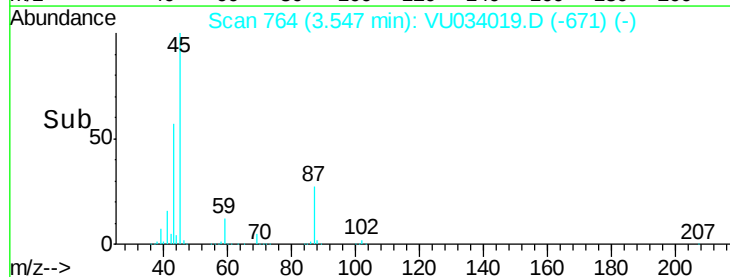
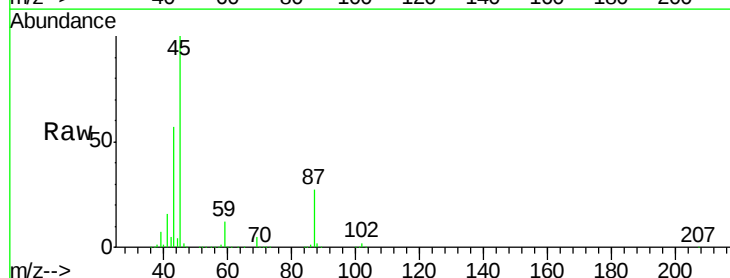
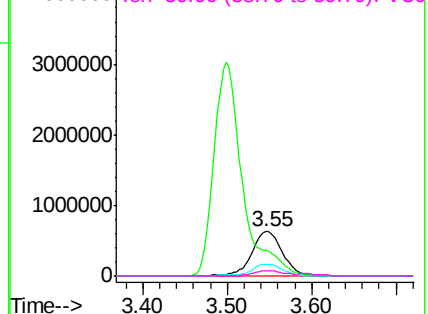
Abundance

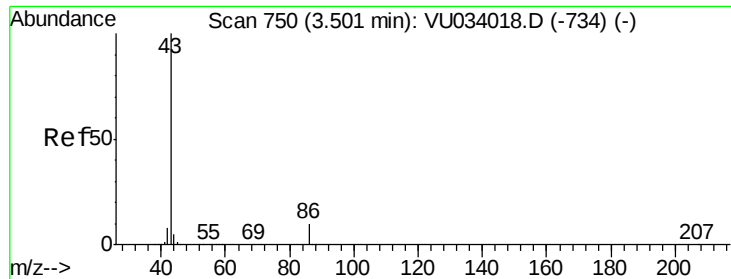
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





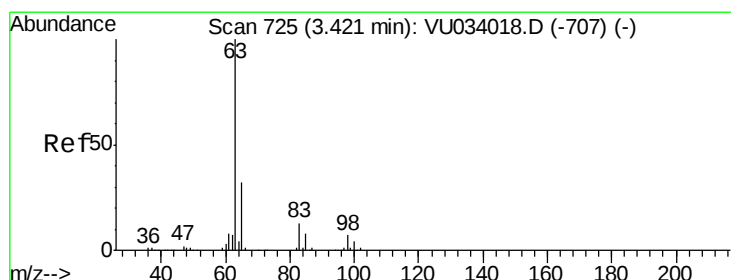
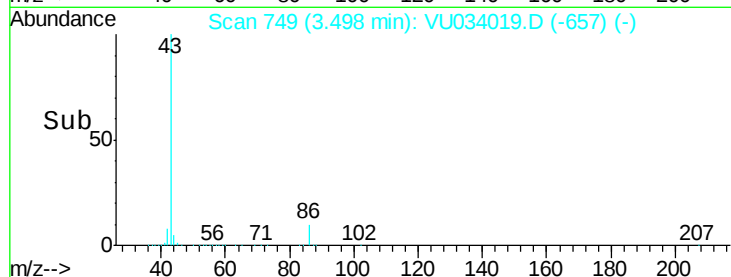
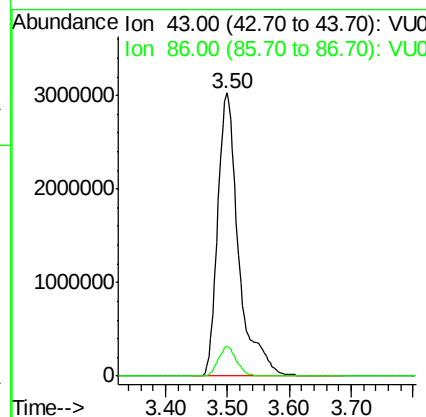
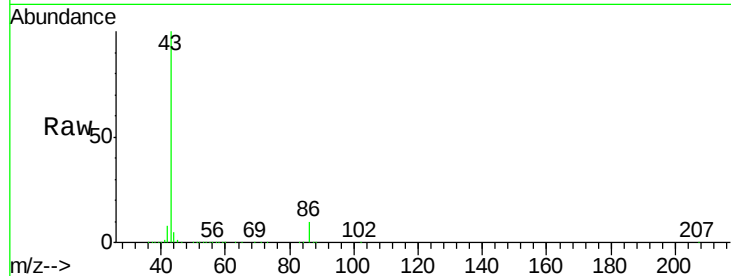
#23
 Vinyl Acetate
 Concen: 588.979 ug/l
 RT: 3.50 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VU034019.D
 Acq: 28 Aug 2019 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 7119709
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5

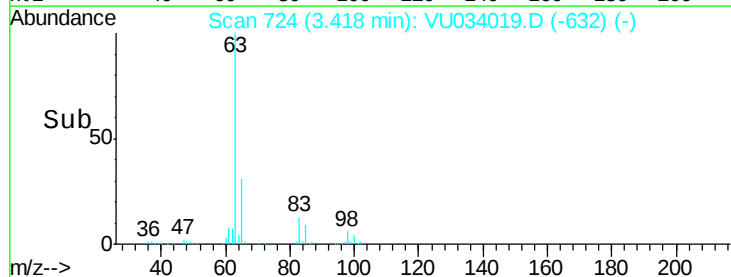
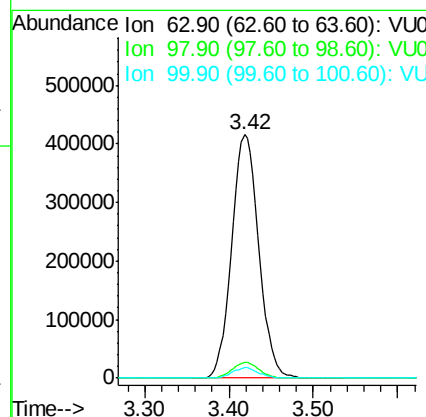
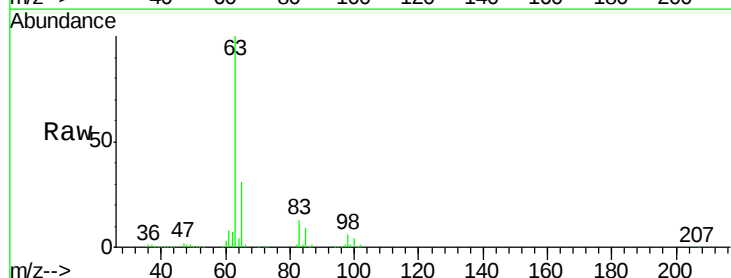
Manual Integrations
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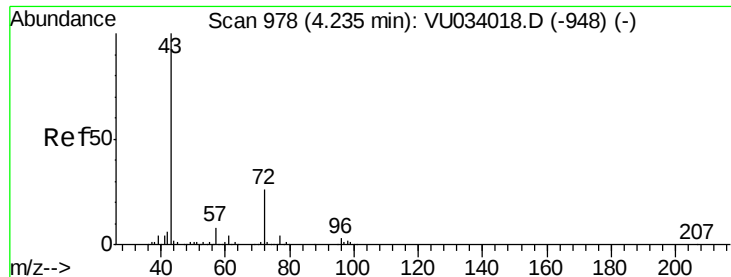
MMDadoda
 8/29/2019 8:47:14 AM



#24
 1,1-Dichloroethane
 Concen: 105.761 ug/l
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU034019.D
 Acq: 28 Aug 2019 13:13

Tgt Ion: 63 Resp: 926465
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.8
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 583.289 ug/l

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2209299

Ion Ratio Lower Upper

43 100

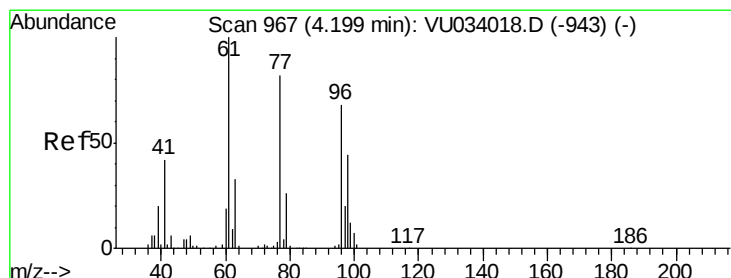
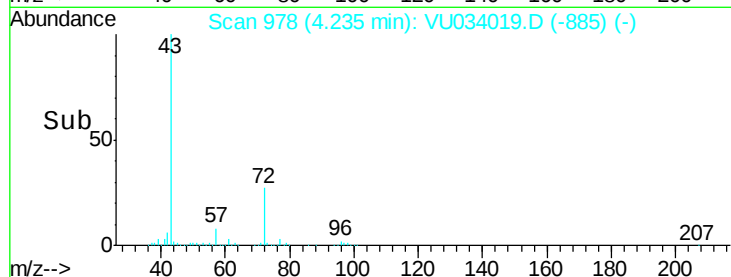
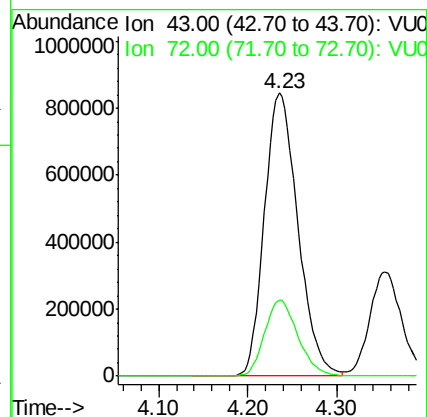
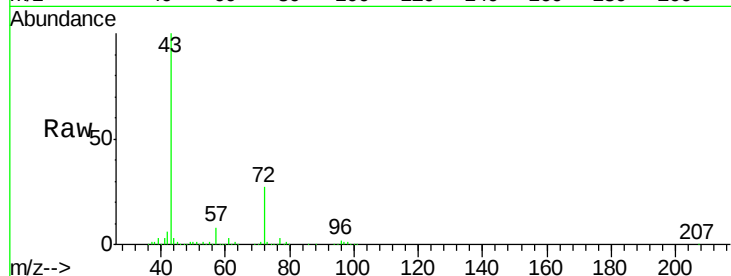
72 26.8 21.2 31.8

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#26

2,2-Dichloropropane

Concen: 101.948 ug/l

RT: 4.19 min Scan# 965

Delta R.T. -0.01 min

Lab File: VU034019.D

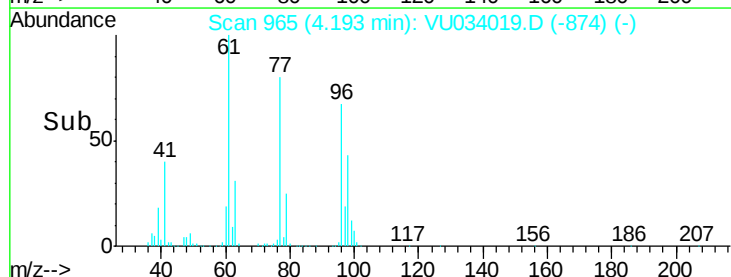
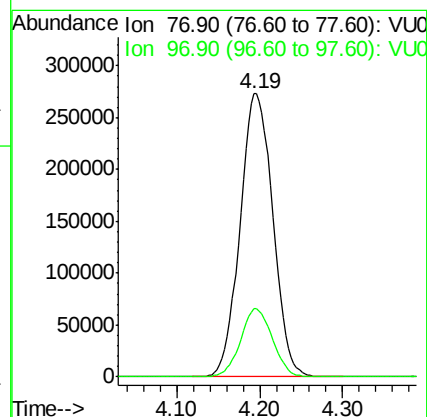
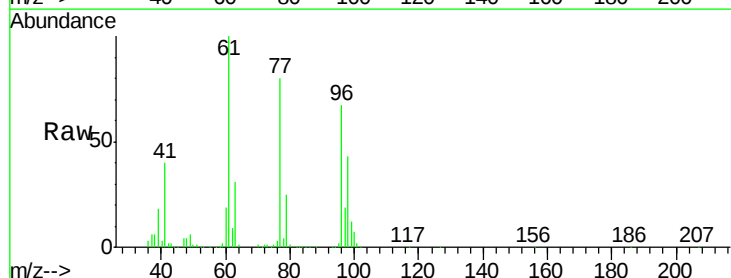
Acq: 28 Aug 2019 13:13

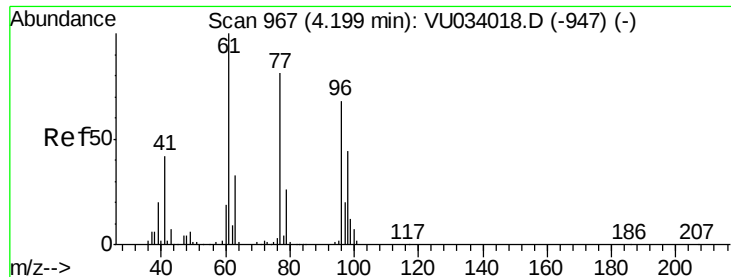
Tgt Ion: 77 Resp: 750990

Ion Ratio Lower Upper

77 100

97 23.5 11.6 34.7





#27

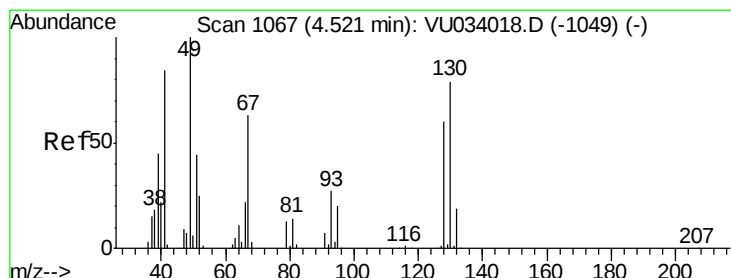
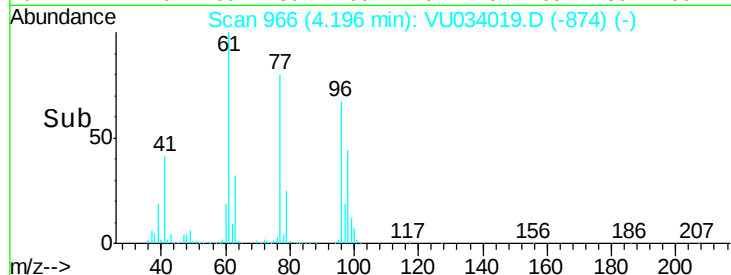
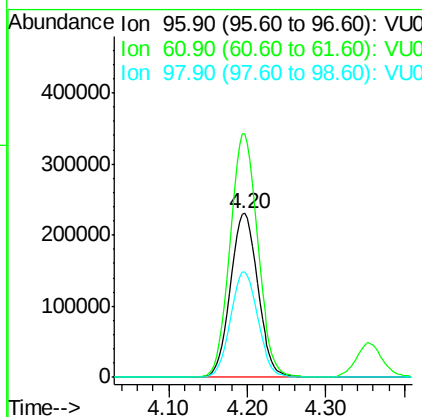
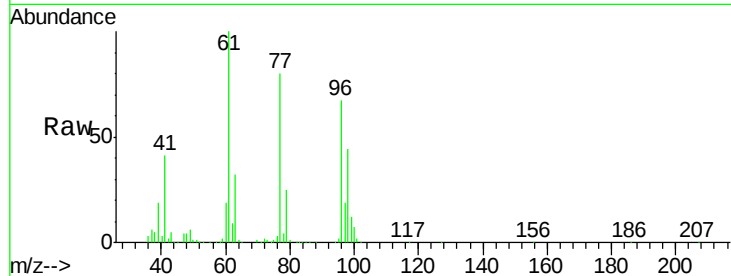
cis-1,2-Dichloroethene
Concen: 102.893 ug/l
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.5	0.0	303.0	
98	64.1	0.0	129.2	

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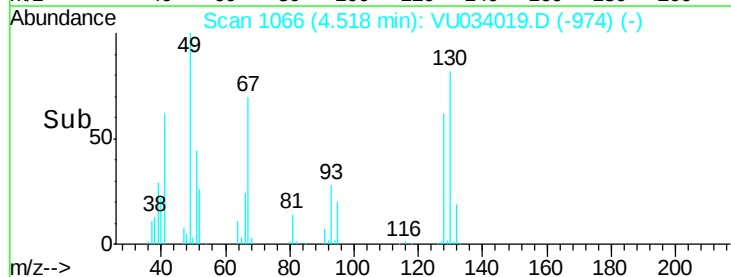
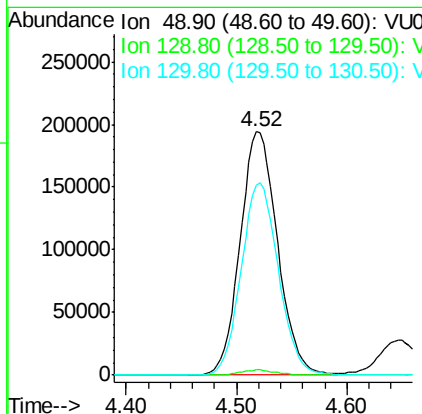
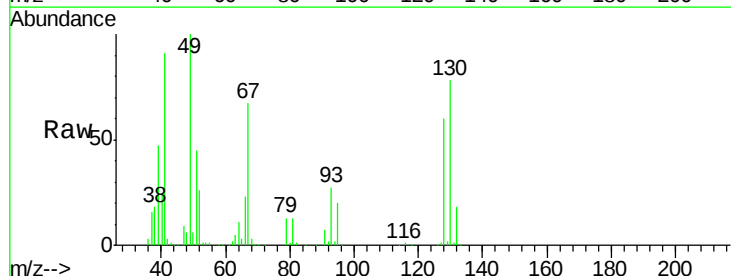
MMDadoda
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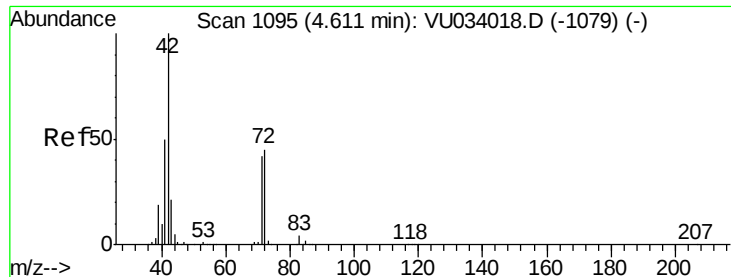


#28

Bromochloromethane
Concen: 112.005 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.6	
130	78.7	62.8	94.2	





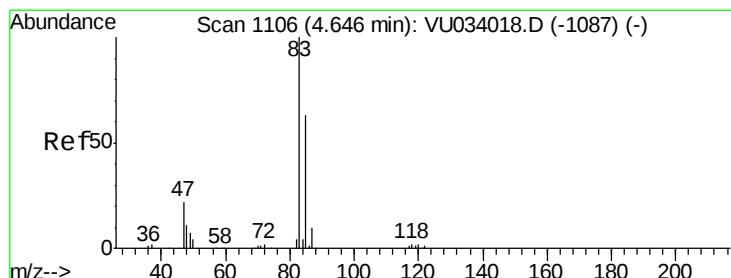
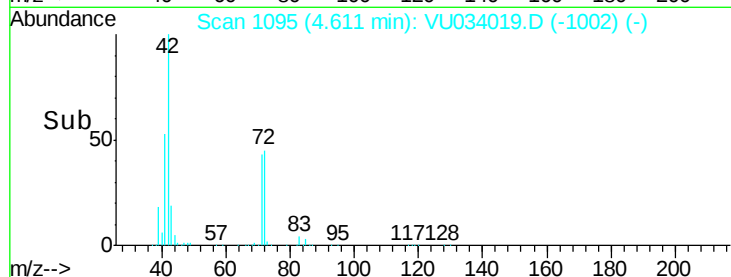
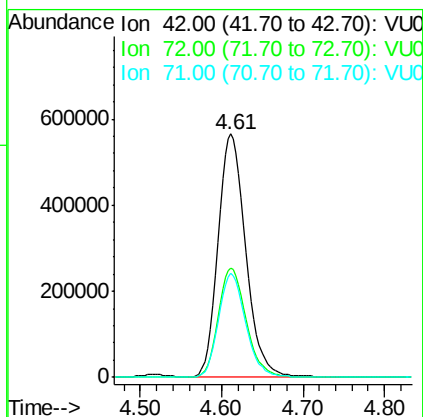
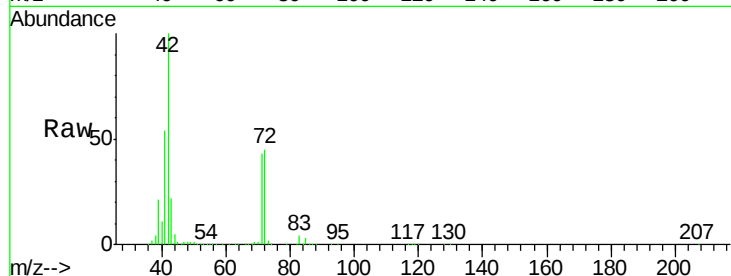
#29
Tetrahydrofuran
Concen: 573.165 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.8	53.6
71	42.0	34.0	51.0

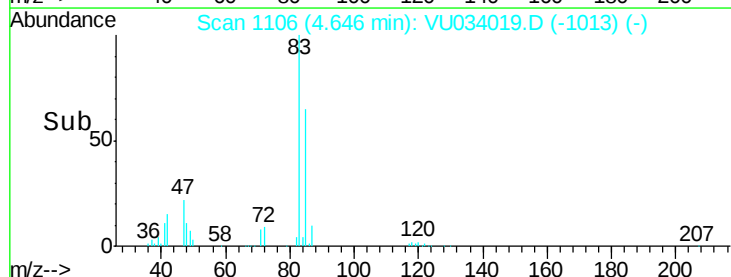
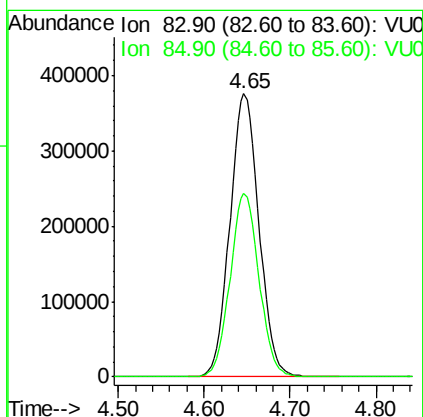
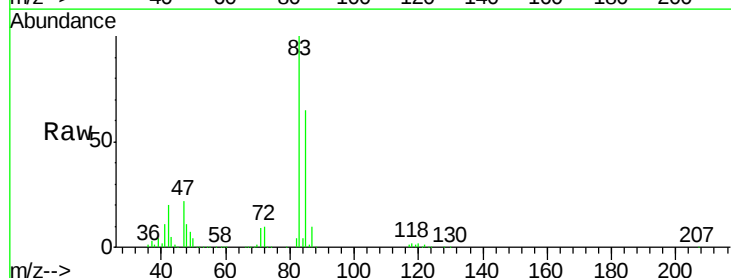
Manual Integrations
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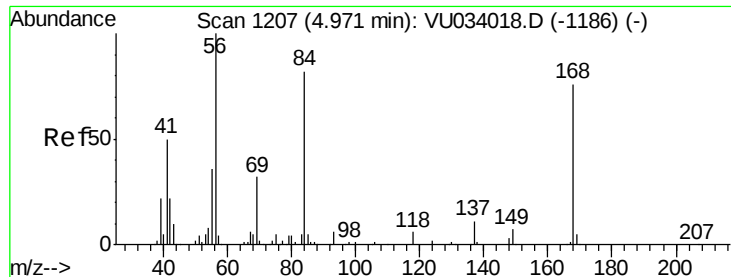
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#30
Chloroform
Concen: 98.803 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.7	76.1





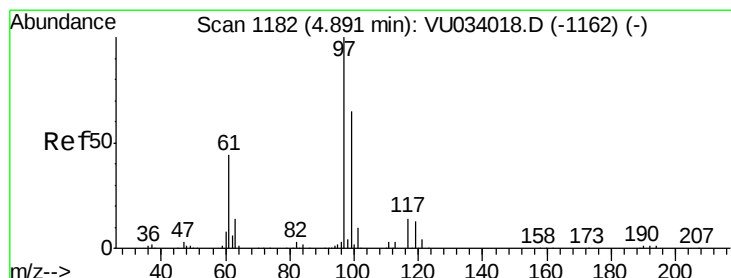
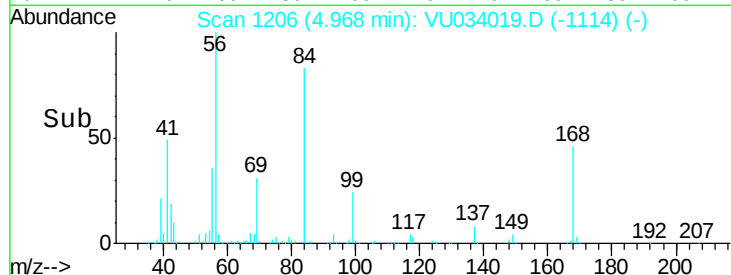
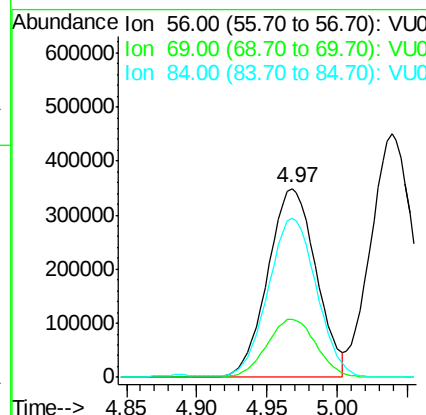
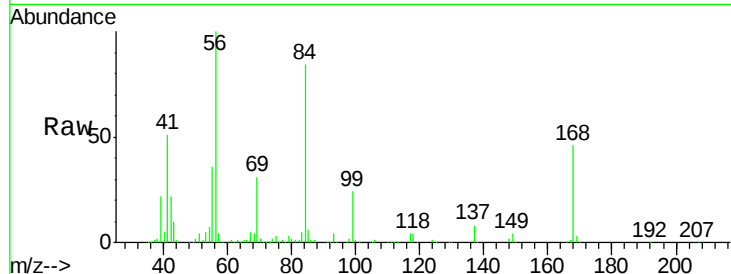
#31
Cyclohexane
Concen: 102.582 ug/l
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.4	38.0
84	83.2	65.8	98.8

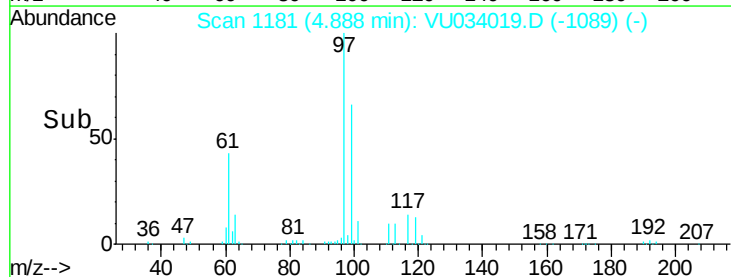
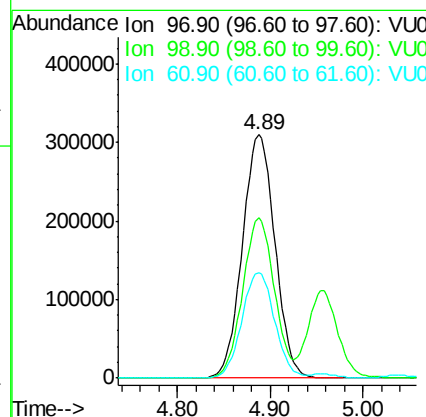
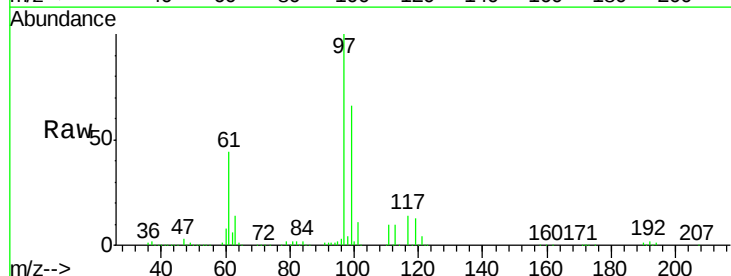
Manual Integrations
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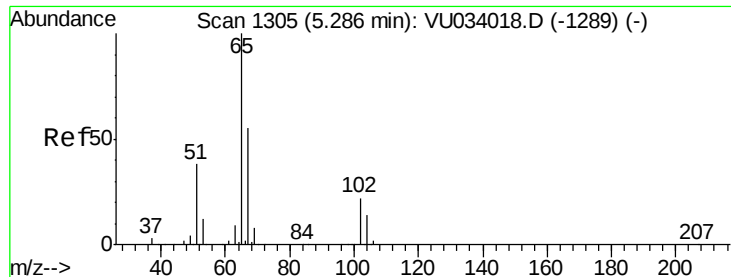
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#32
1,1,1-Trichloroethane
Concen: 101.163 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.6
61	43.8	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 105.906 ug/l

RT: 5.28 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Tot Ion: 65 Resp: 577275

Ion Ratio Lower Upper

65 100

67 54.8 0.0 110.6

Instrument :

MSVOA_U

ClientSampleId :

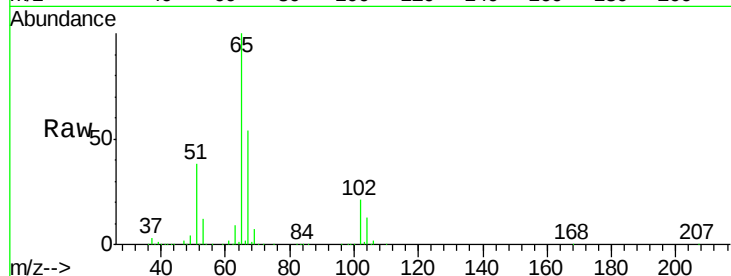
VSTDIC100

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Abundance Ion 64.90 (64.60 to 65.60): VU034019.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034019.D (-1212) (-)

5.28

300000

250000

200000

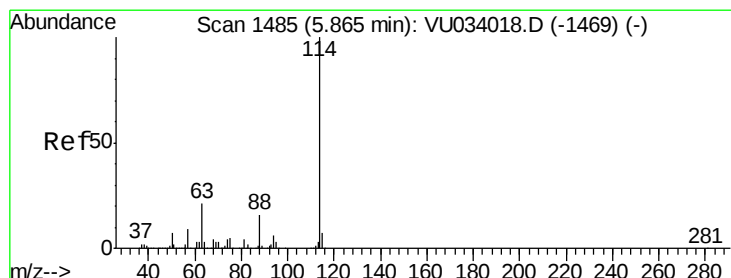
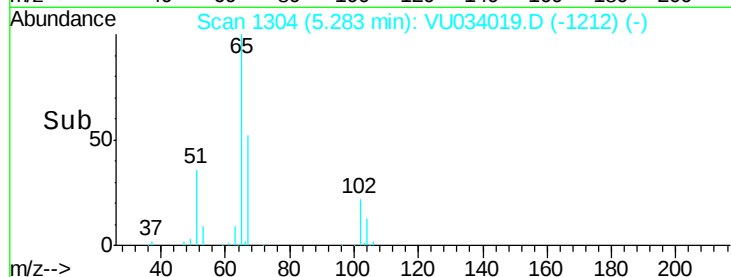
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1484

Delta R.T. -0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

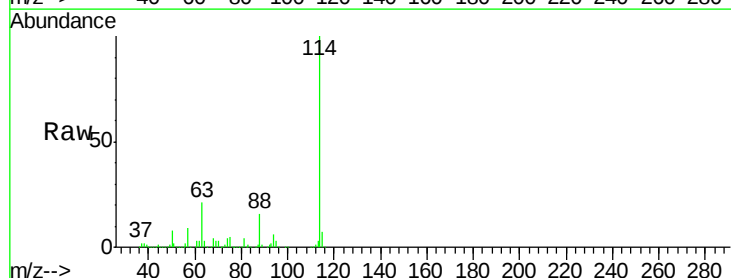
Tgt Ion: 114 Resp: 738954

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.0

88 16.1 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU034019.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU034019.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU034019.D (-1392) (-)

500000

400000

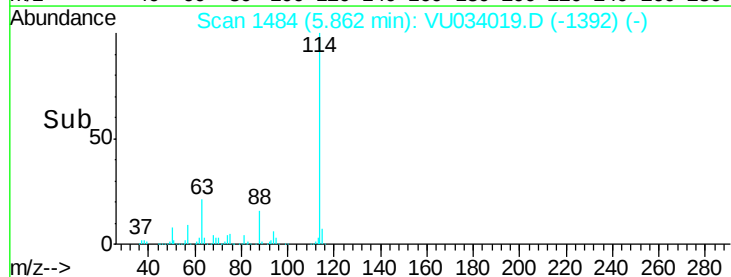
300000

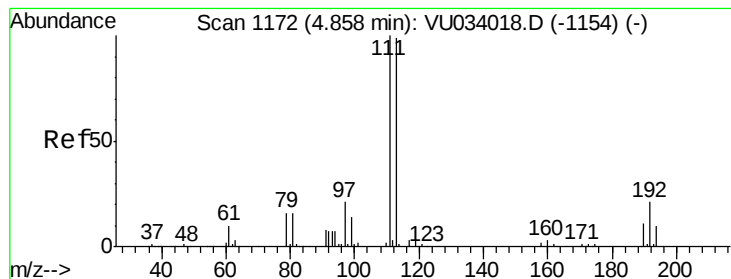
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 97.171 ug/l

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

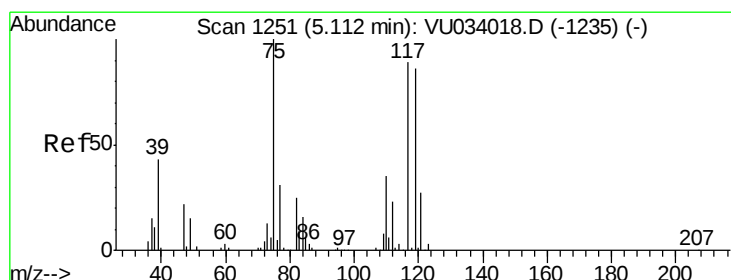
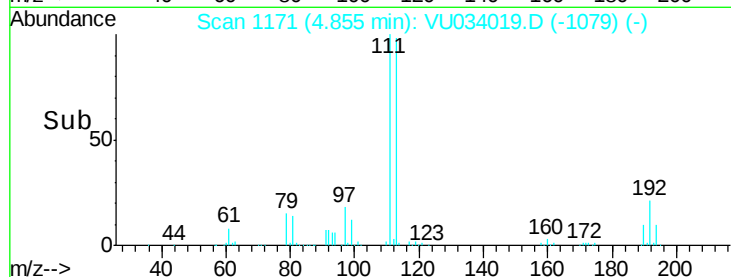
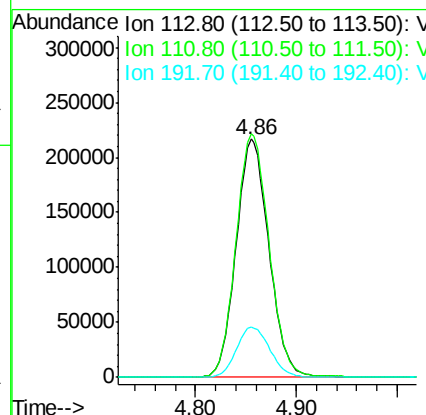
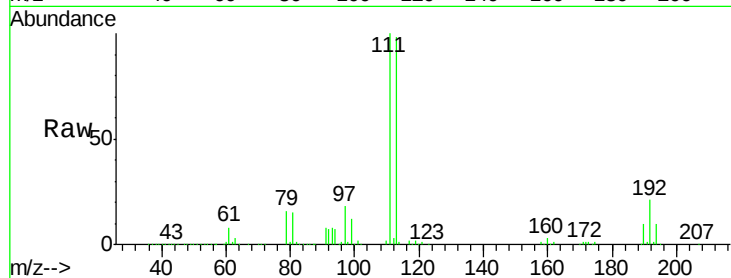
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	489613
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.7	122.5
192	21.6	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 98.600 ug/l

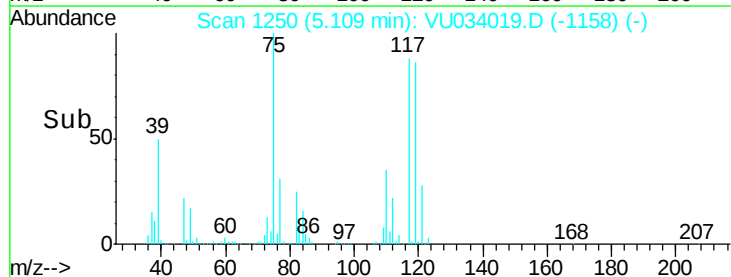
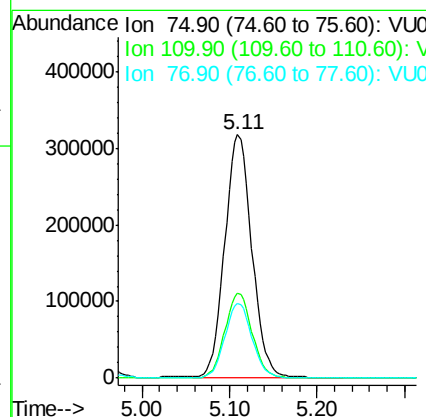
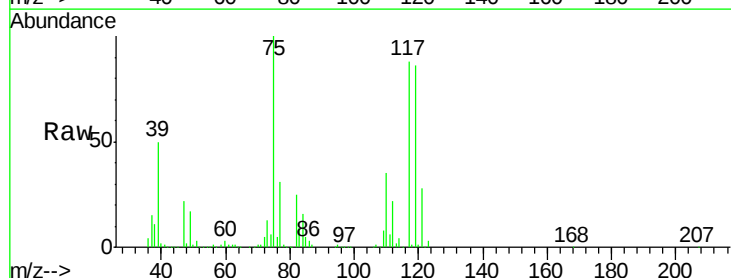
RT: 5.11 min Scan# 1250

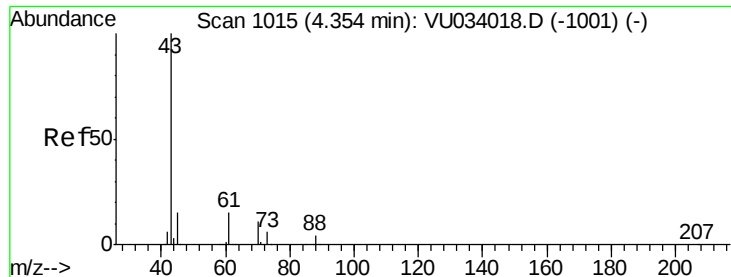
Delta R.T. -0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Tgt Ion:	75	Resp:	682535
Ion Ratio	Lower	Upper	
75	100		
110	35.2	17.8	53.5
77	30.7	25.0	37.4





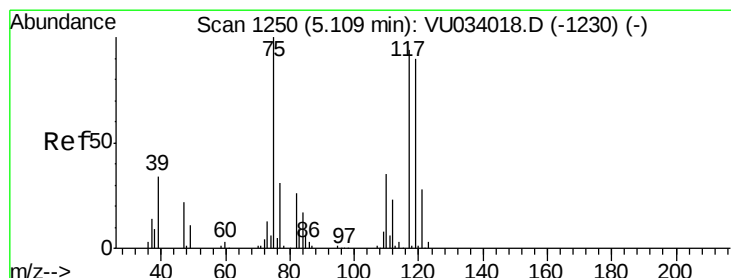
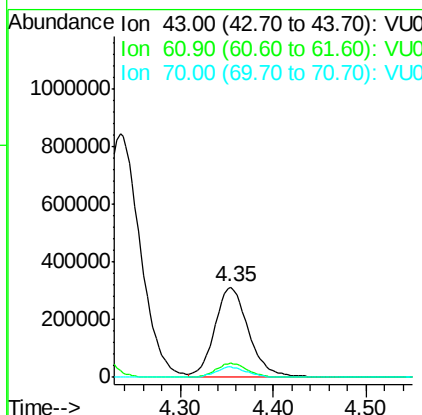
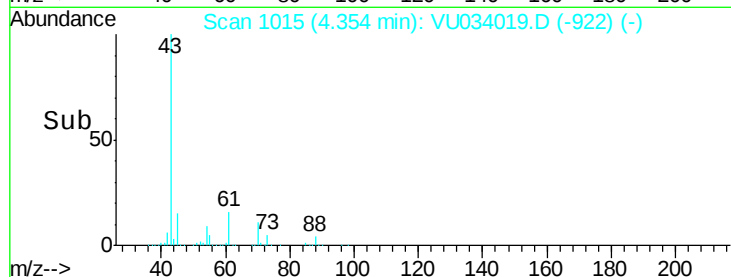
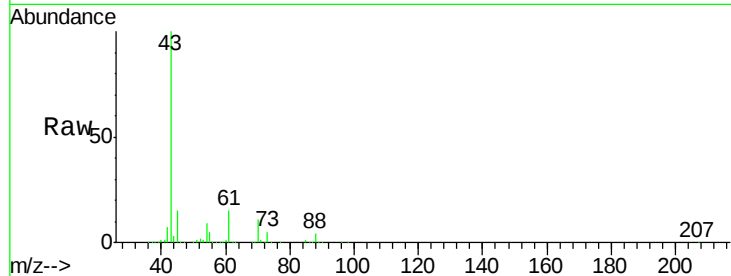
#37
Ethyl Acetate
Concen: 109.990 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	10.9	8.6	12.8

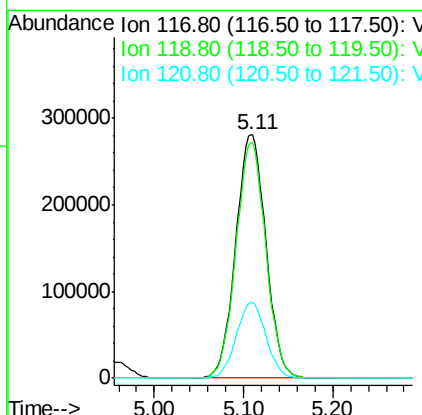
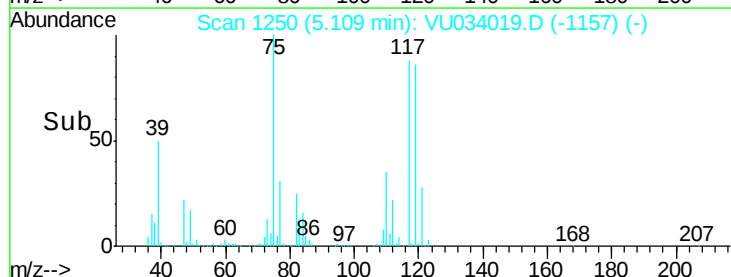
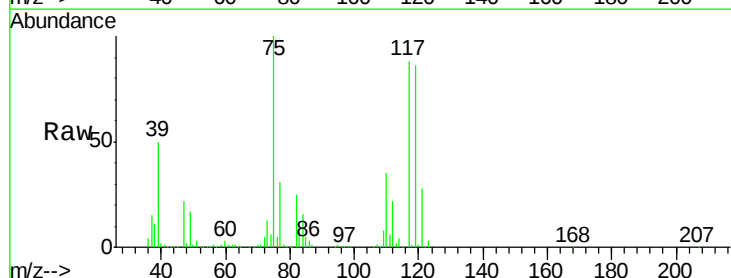
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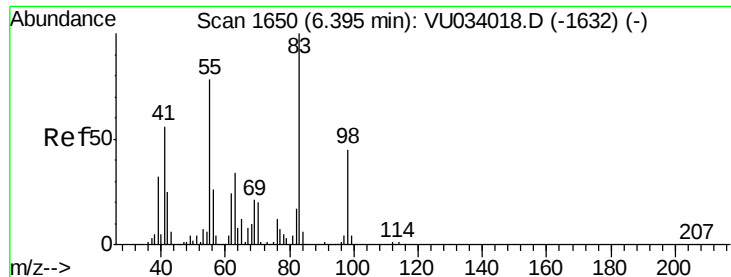
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#38
Carbon Tetrachloride
Concen: 94.007 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.0	115.4
121	31.1	23.9	35.9





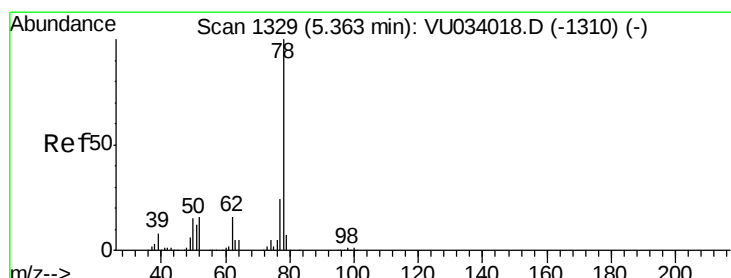
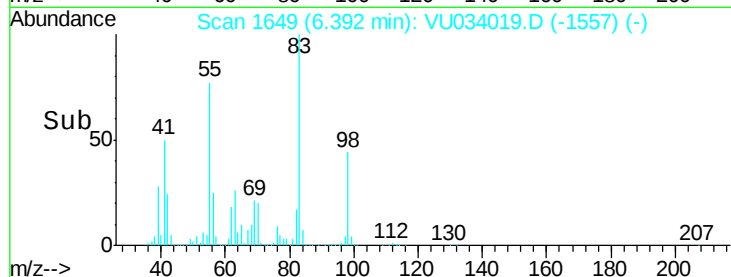
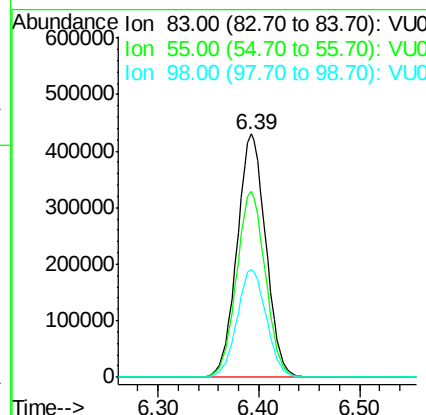
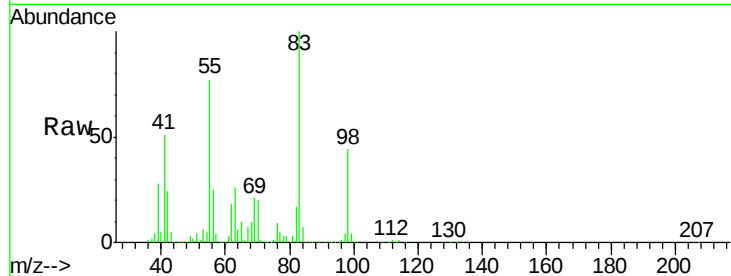
#39
Methvlcvclohexane
Concen: 104.024 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	850981		
55	76.6		62.3	93.5
98	44.5		36.2	54.2

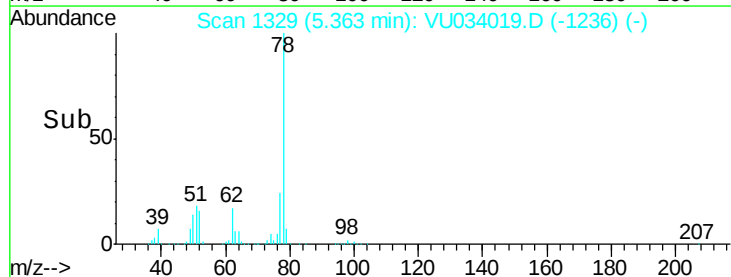
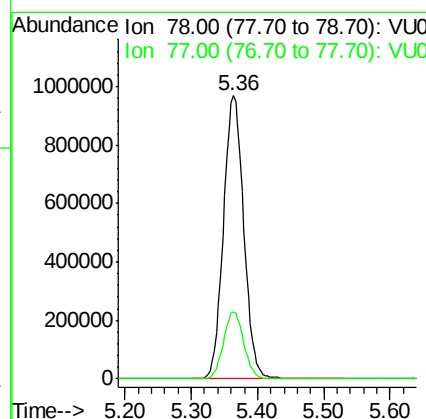
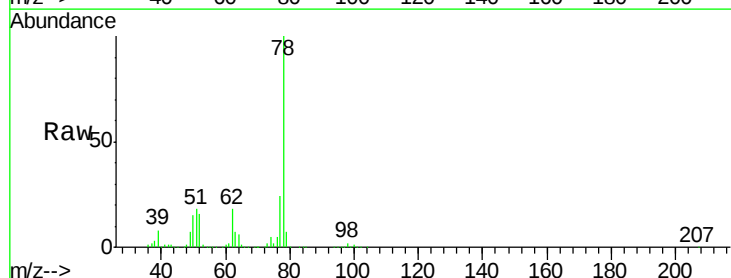
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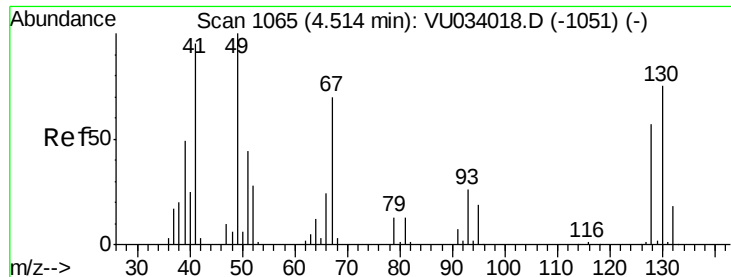
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#40
Benzene
Concen: 99.894 ug/l
RT: 5.36 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2058341		
77	23.9		19.0	28.6





#41

Methacrylonitrile

Concen: 116.399 ug/l

RT: 4.52 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 427861

Ion Ratio Lower Upper

41 100

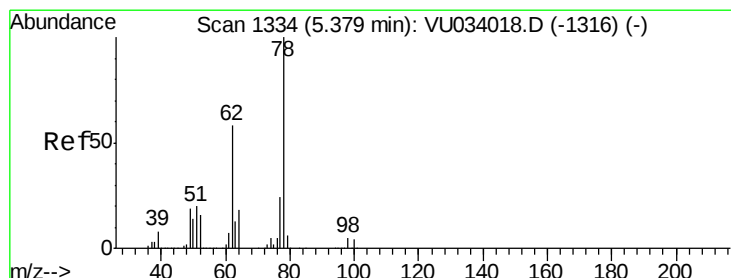
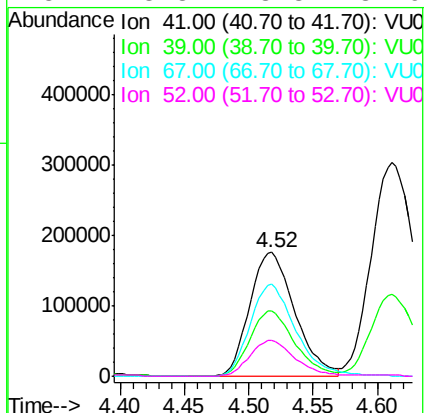
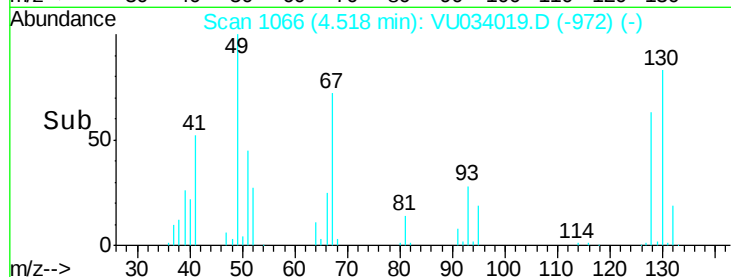
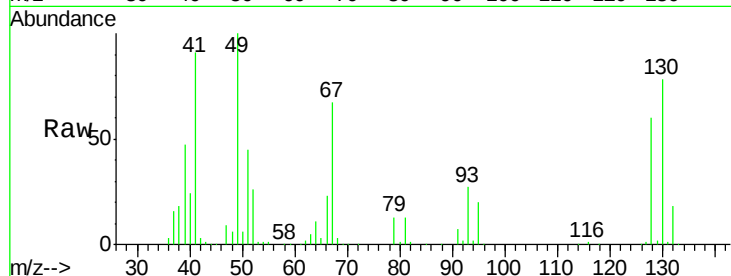
39 52.1 42.1 63.1

67 75.5 61.0 91.4

52 28.8 23.3 34.9

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 99.890 ug/l

RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VU034019.D

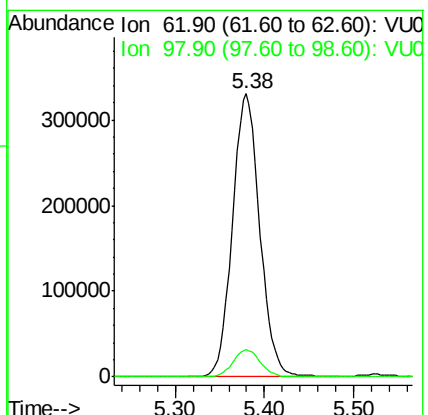
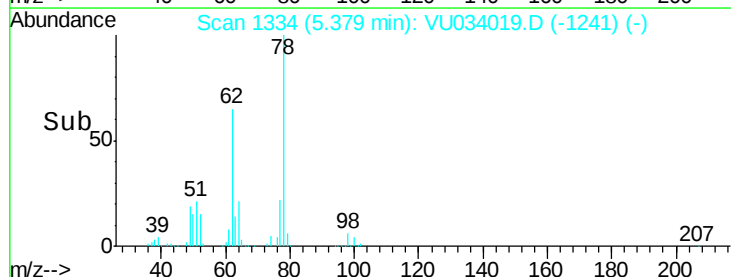
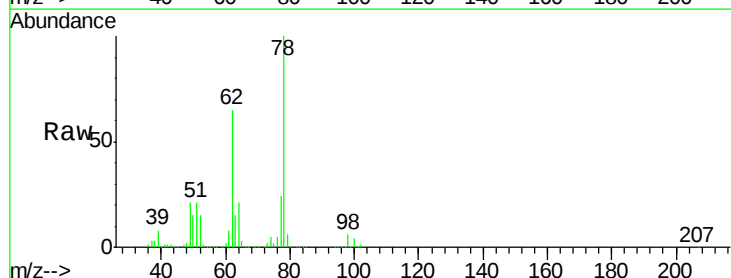
Acq: 28 Aug 2019 13:13

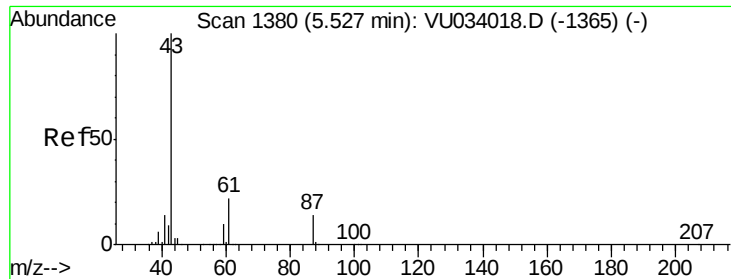
Tgt Ion: 62 Resp: 698554

Ion Ratio Lower Upper

62 100

98 9.6 0.0 18.2





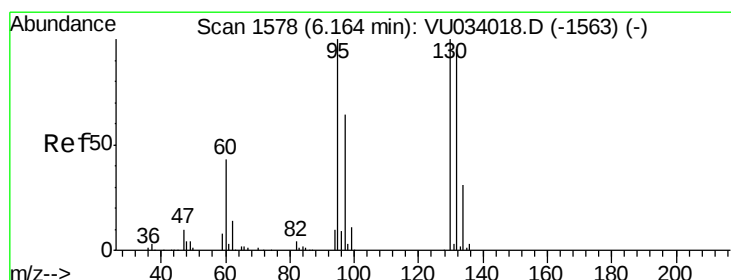
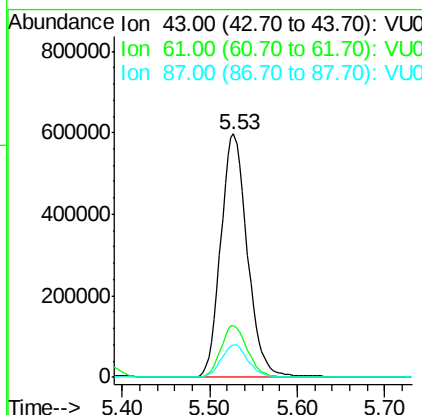
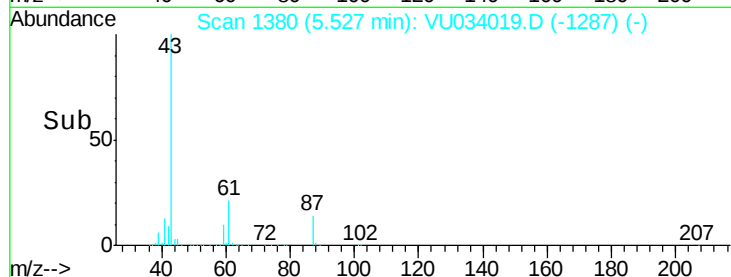
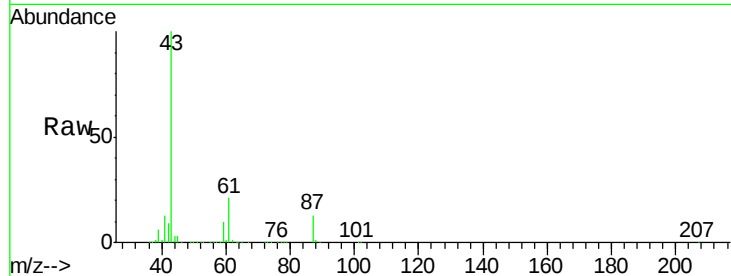
#43
Isopropyl Acetate
Concen: 115.623 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.2	25.8
87	13.6	10.8	16.2

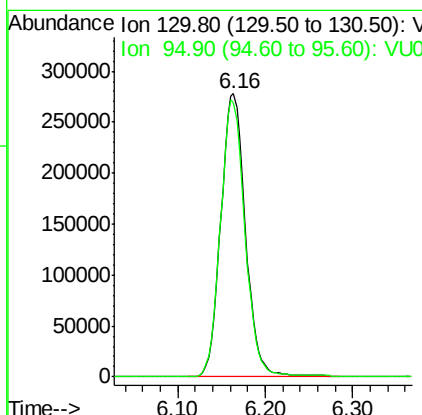
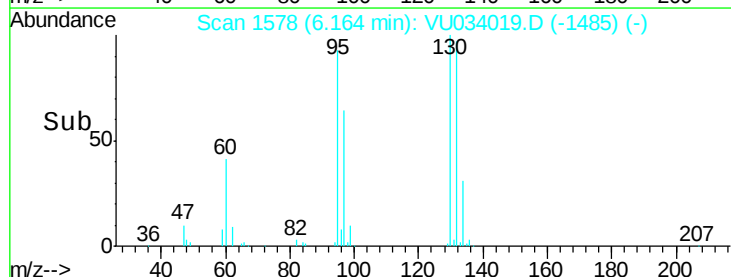
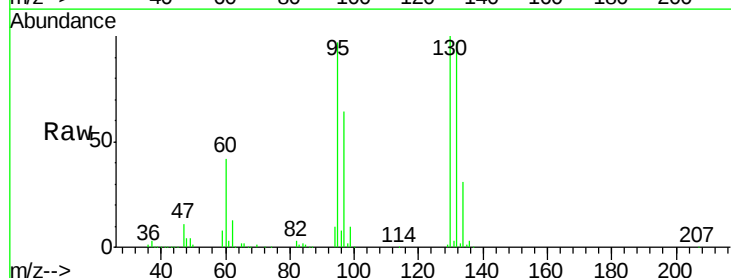
Manual Integrations
APPROVED

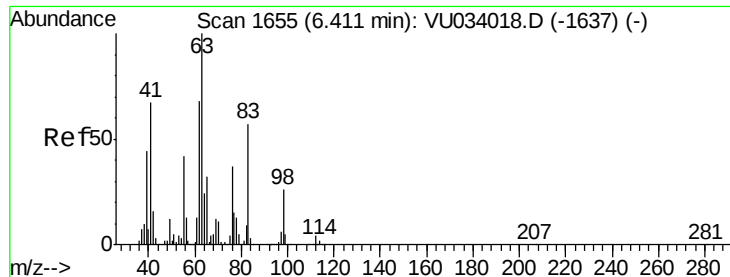
MMDadoda
8/29/2019 8:47:14 AM



#44
Trichloroethene
Concen: 94.386 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	199.6





#45

1,2-Dichloropropane

Concen: 103.723 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 576231

Ion Ratio Lower Upper

63 100

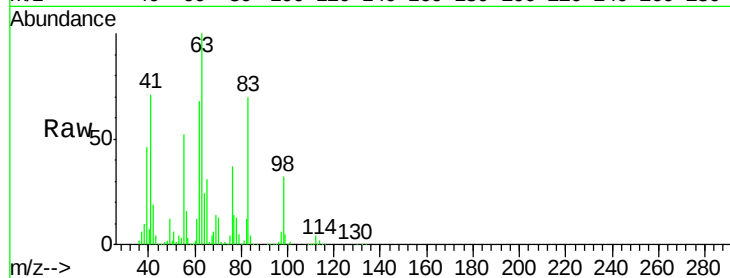
65 31.3 25.4 38.2

Manual Integrations

APPROVED

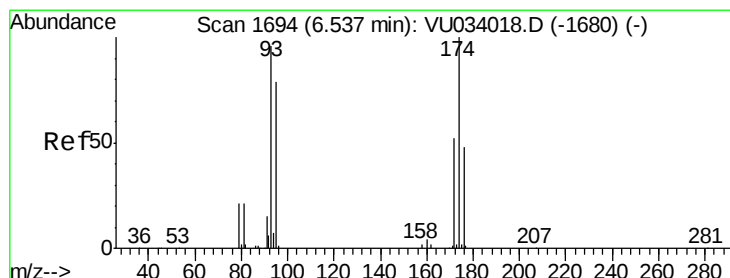
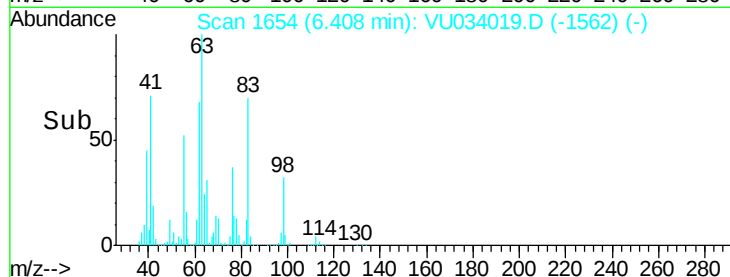
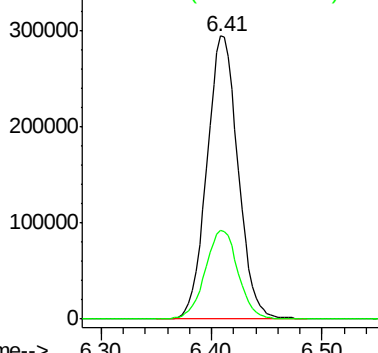
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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 99.562 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

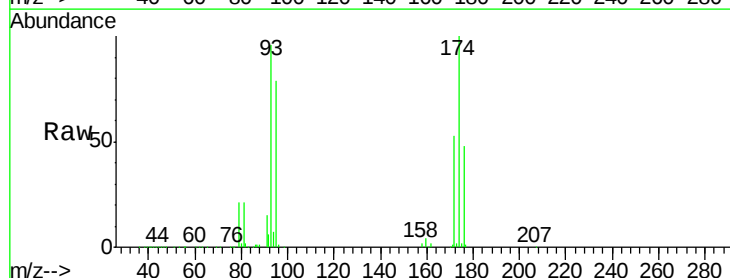
Tgt Ion: 93 Resp: 371655

Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

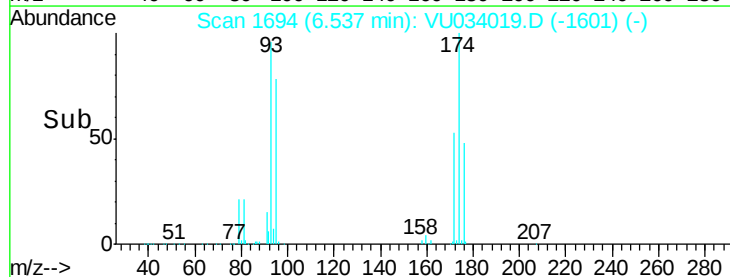
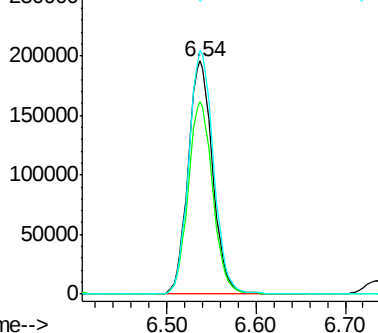
174 105.6 84.9 127.3

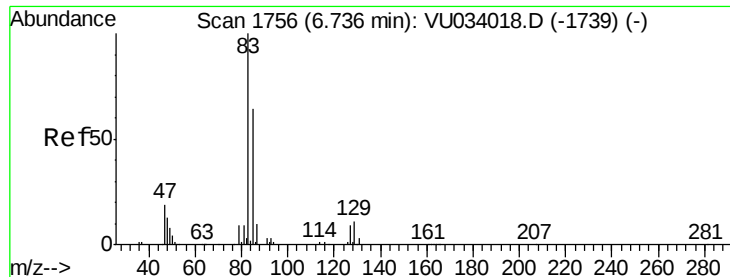


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 101.900 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

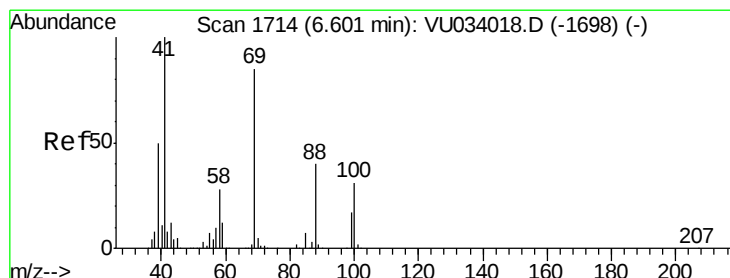
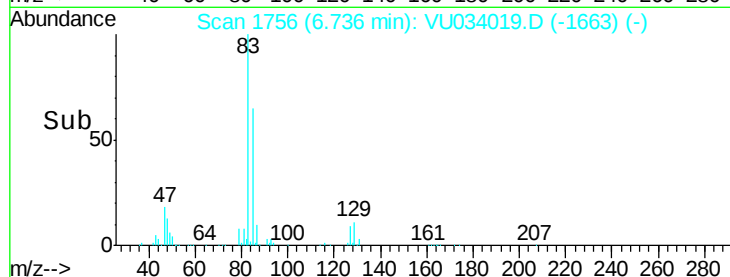
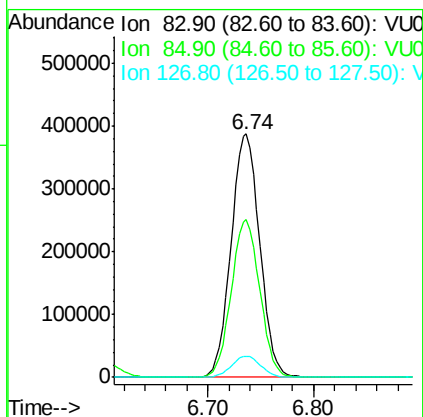
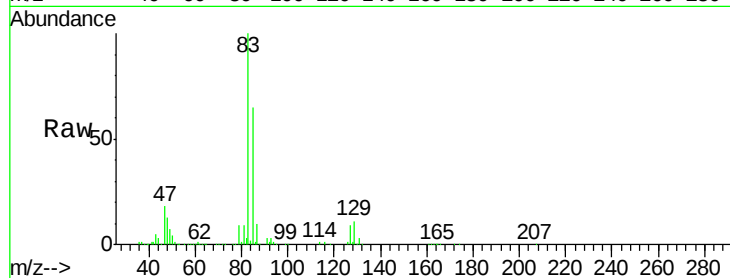
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	726974
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.2	76.8
127	8.8	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 120.878 ug/l

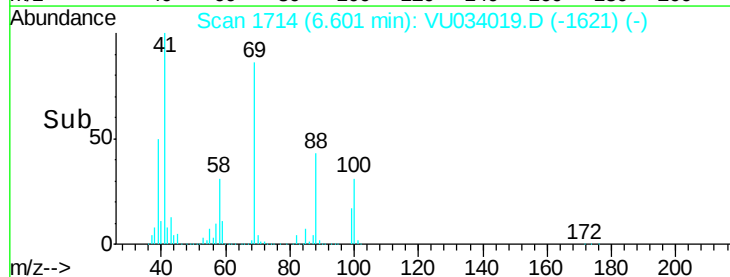
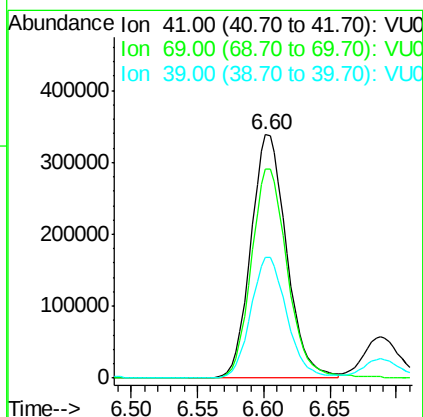
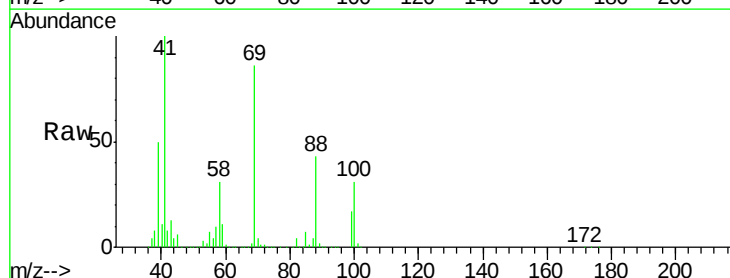
RT: 6.60 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Tgt Ion:	41	Resp:	629953
Ion	Ratio	Lower	Upper
41	100		
69	88.2	69.5	104.3
39	49.9	40.3	60.5





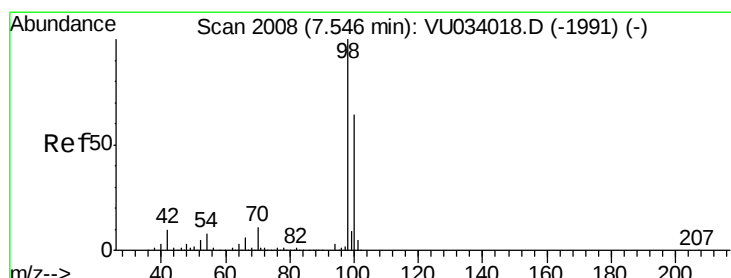
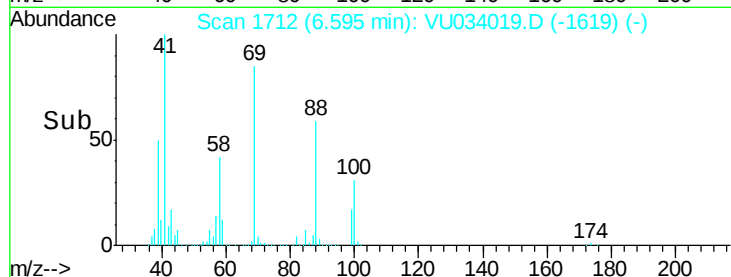
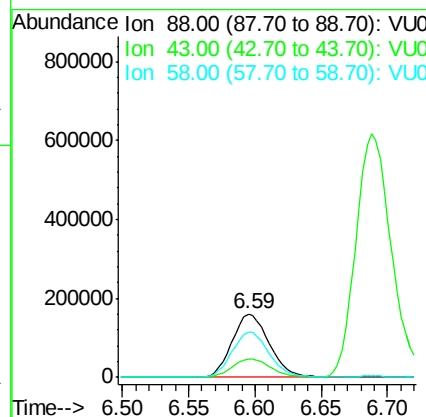
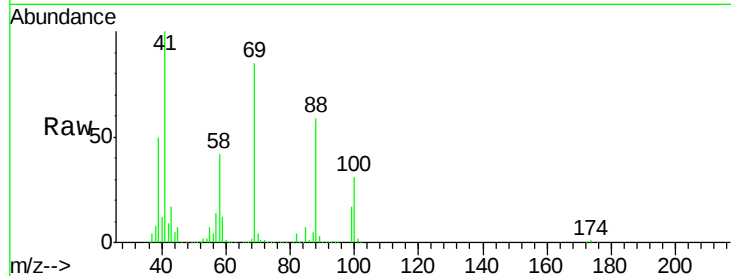
#49
1,4-Dioxane
Concen: 2256.333 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	30.1	24.8	37.2	
58	72.3	59.3	88.9	

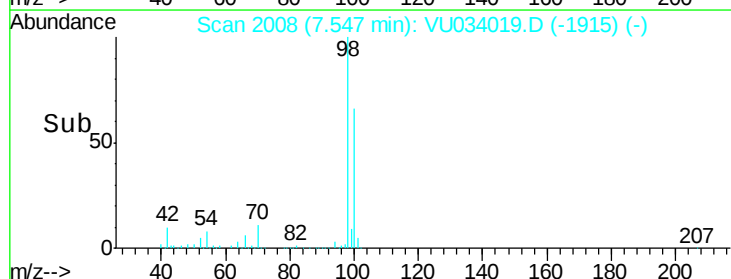
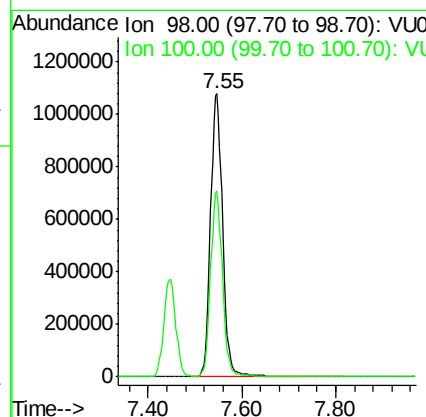
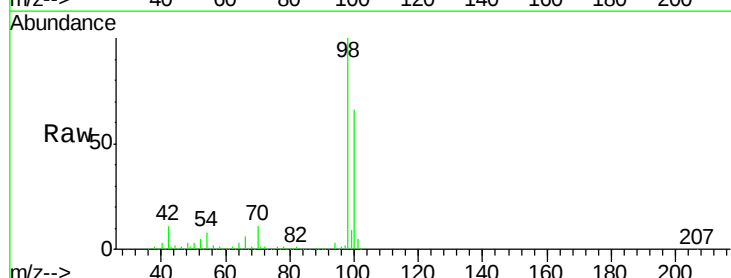
Manual Integrations
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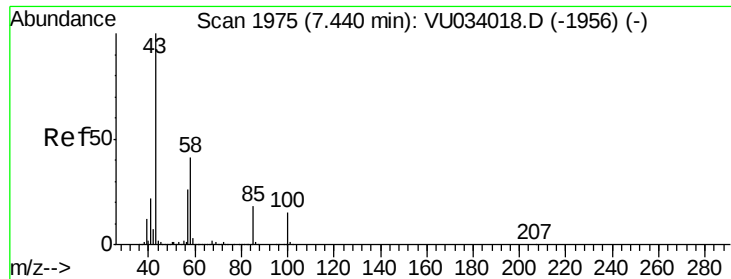
MMDadoda
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#50
Toluene-d8
Concen: 103.623 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.6	50.3	75.5	





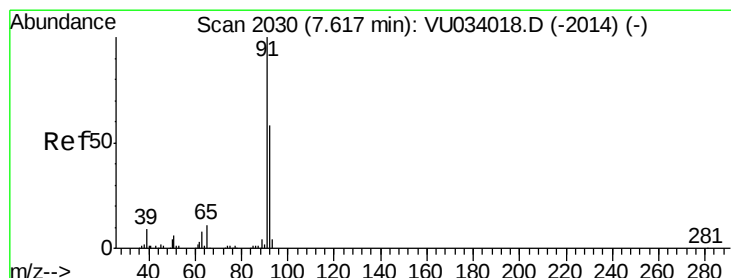
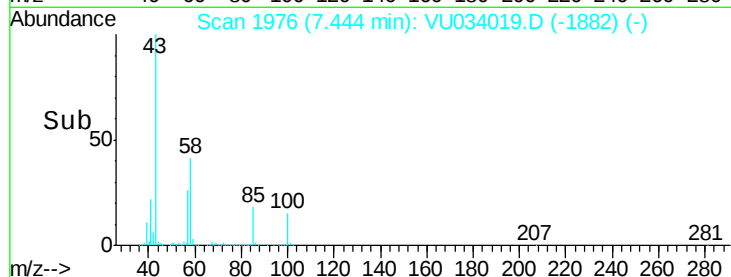
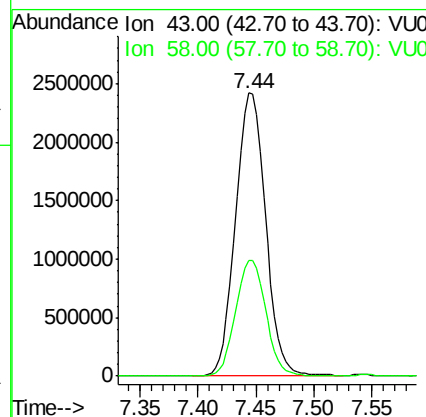
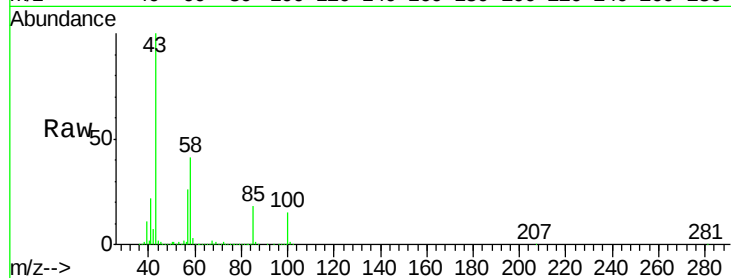
#51
4-Methyl-2-Pentanone
Concen: 578.623 ug/l
RT: 7.44 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 4347543
Ion Ratio Lower Upper
43 100
58 41.0 32.2 48.4

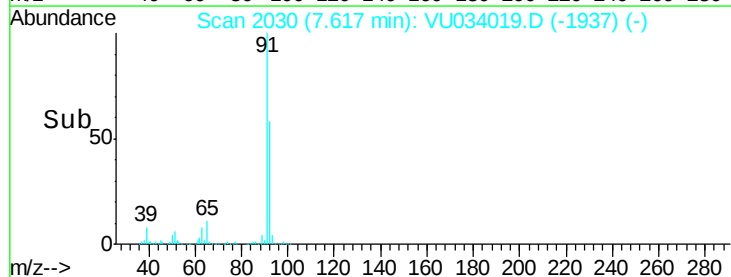
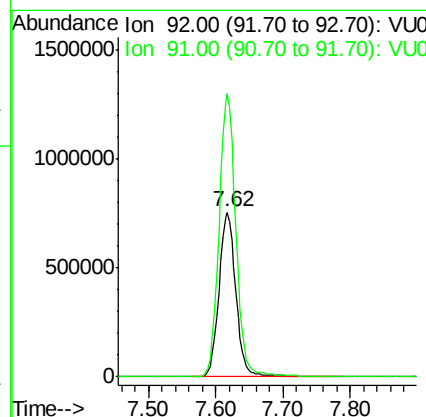
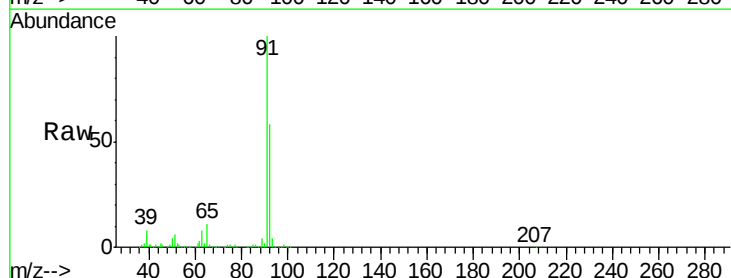
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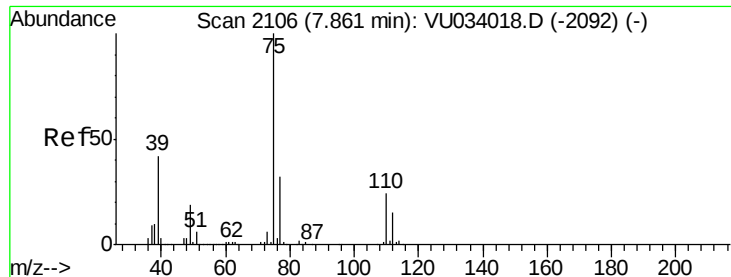
MMDadoda
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#52
Toluene
Concen: 102.265 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion: 92 Resp: 1326820
Ion Ratio Lower Upper
92 100
91 172.1 138.3 207.5





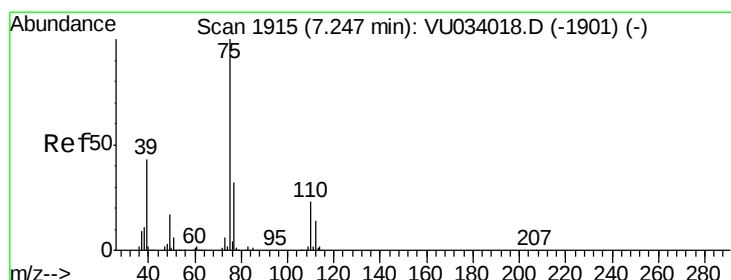
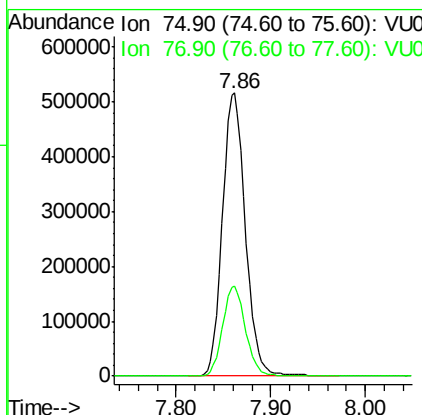
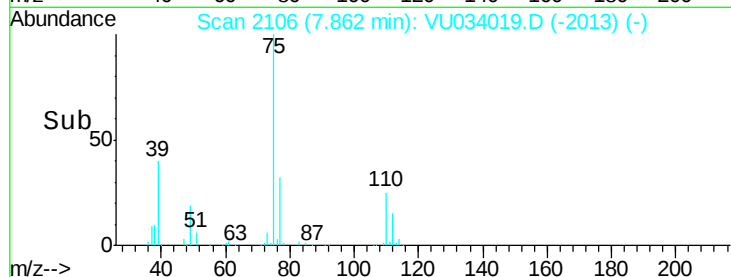
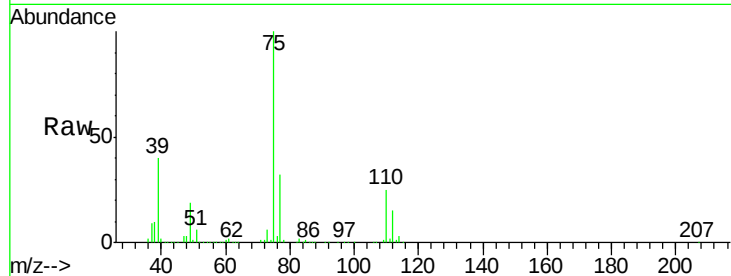
#53
 t-1,3-Dichloropropene
 Concen: 109.697 ug/l
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VU034019.D
 Acq: 28 Aug 2019 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0

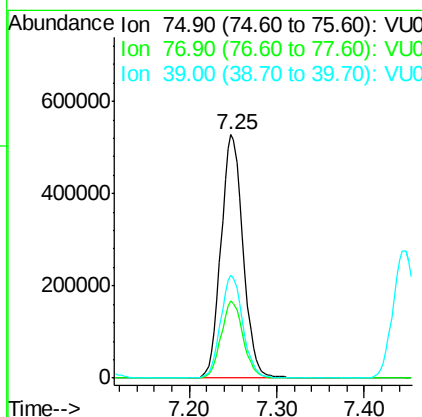
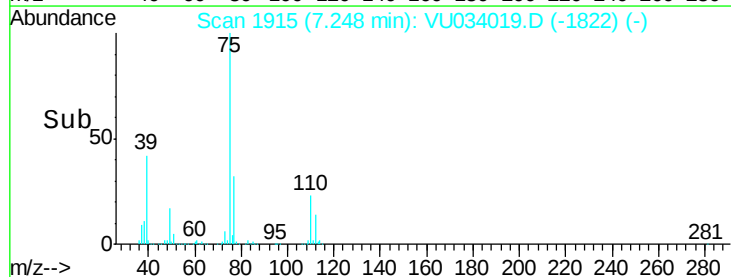
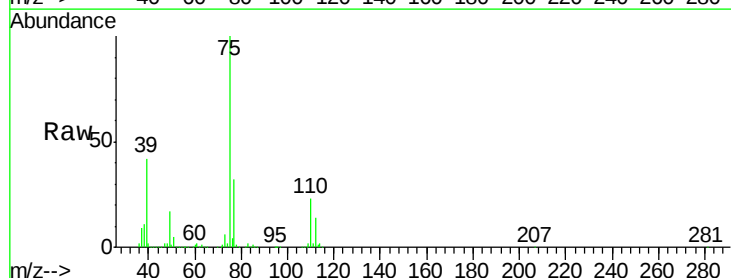
Manual Integrations
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 8/29/2019 8:47:14 AM



#54
 cis-1,3-Dichloropropene
 Concen: 108.264 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034019.D
 Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.2	37.8
39	42.1	34.6	51.8





#55

1,1,2-Trichloroethane

Concen: 101.388 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

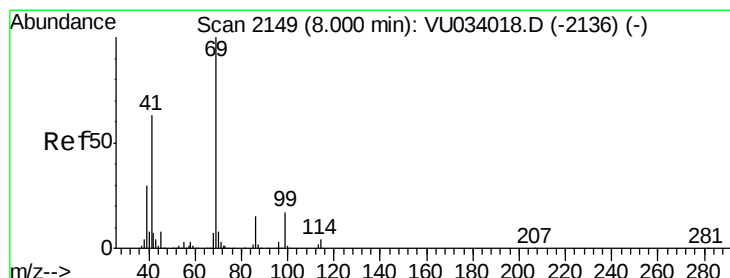
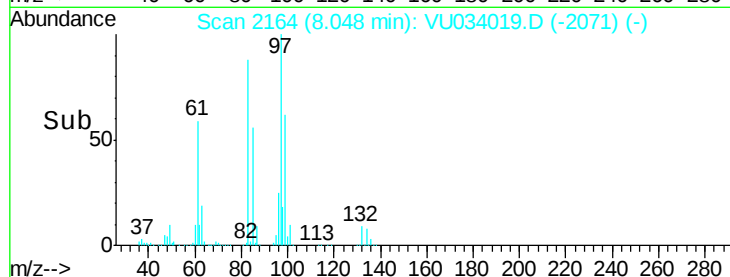
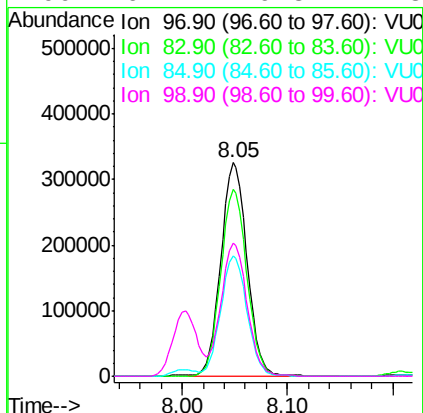
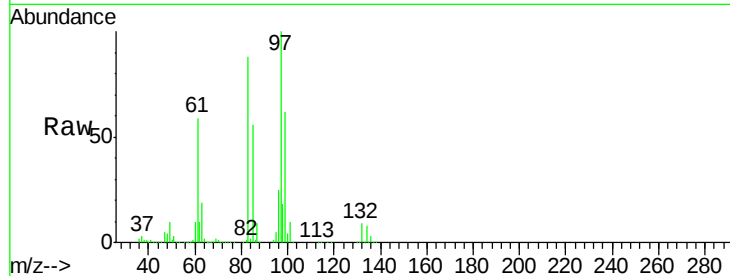
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	558526
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.1	105.1
85	56.2	45.0	67.4
99	62.4	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 118.558 ug/l

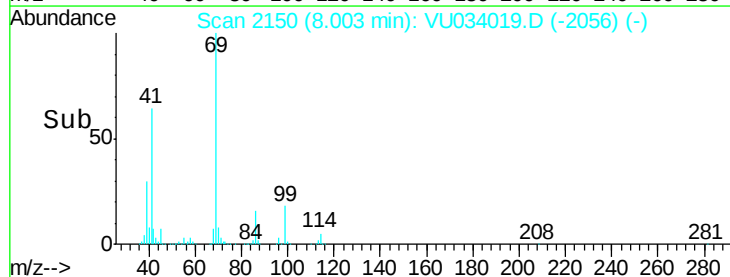
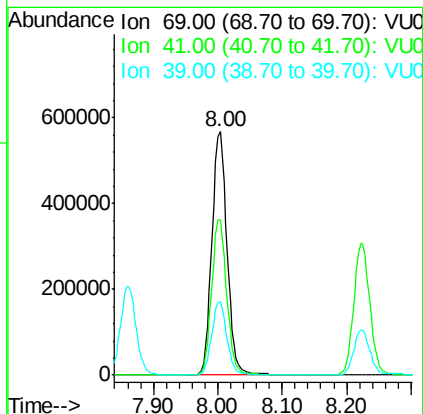
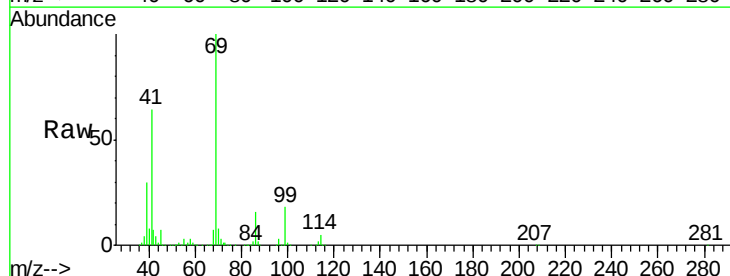
RT: 8.00 min Scan# 2150

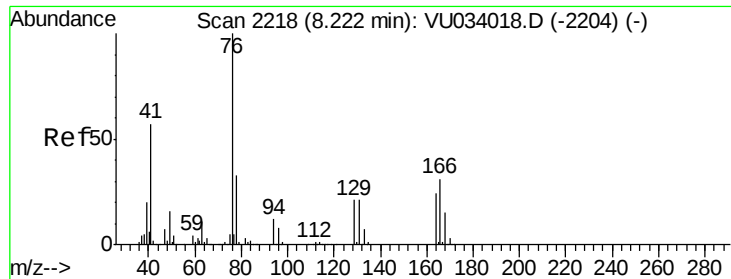
Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Tgt Ion:	69	Resp:	930613
Ion	Ratio	Lower	Upper
69	100		
41	63.1	50.7	76.1
39	29.8	24.2	36.2





#57

1,3-Dichloropropane

Concen: 106.838 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 957265

Ion Ratio Lower Upper

76 100

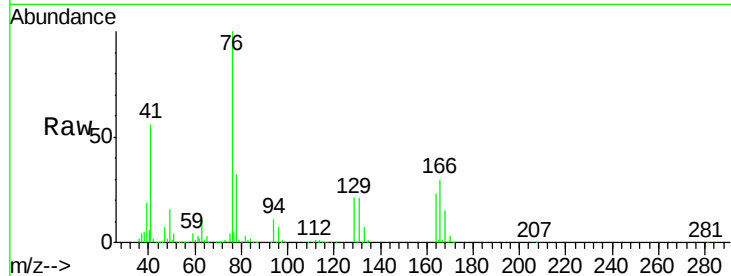
78 32.0 26.2 39.4

Manual Integrations

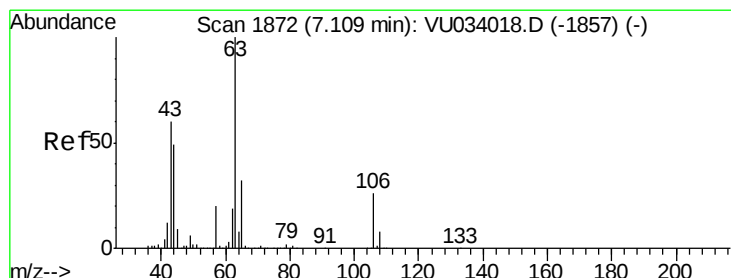
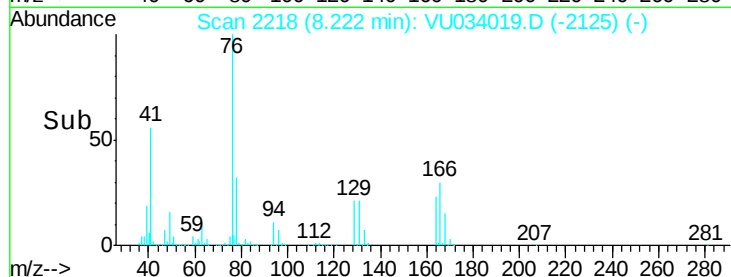
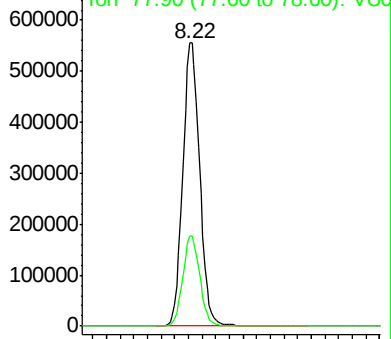
APPROVED

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8/29/2019 8:47:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VU034019.D (-2125) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 405.958 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034019.D

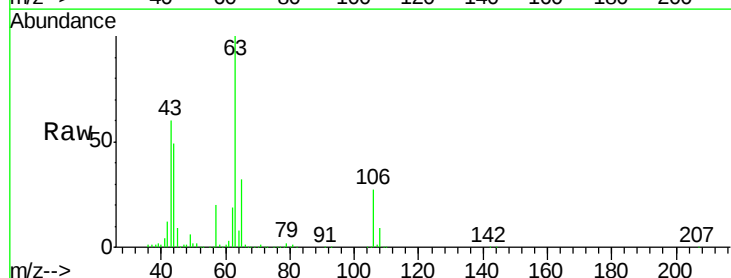
Acq: 28 Aug 2019 13:13

Tgt Ion: 63 Resp: 1172146

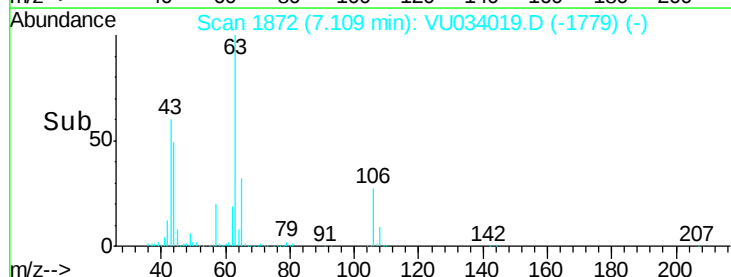
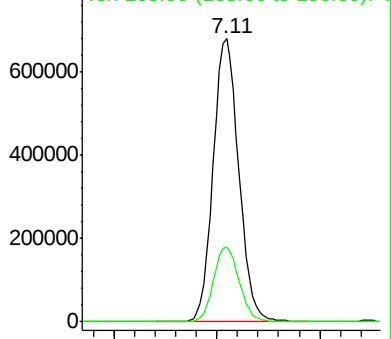
Ion Ratio Lower Upper

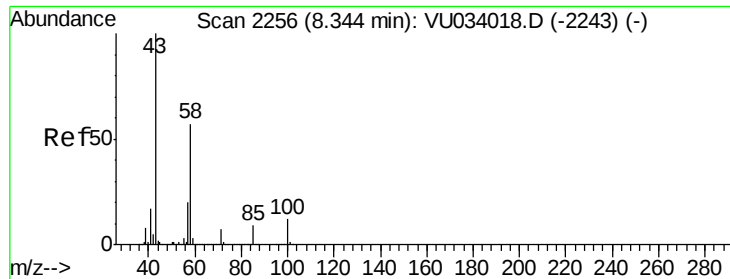
63 100

106 26.6 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VU034019.D (-1779) (-)





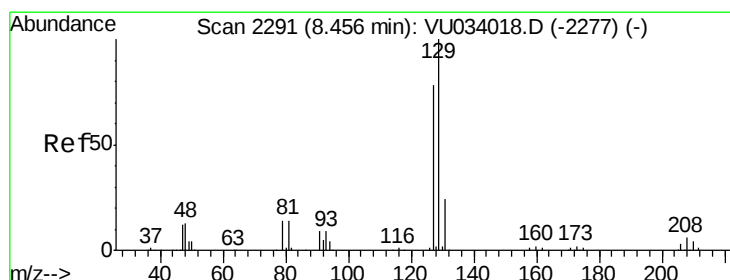
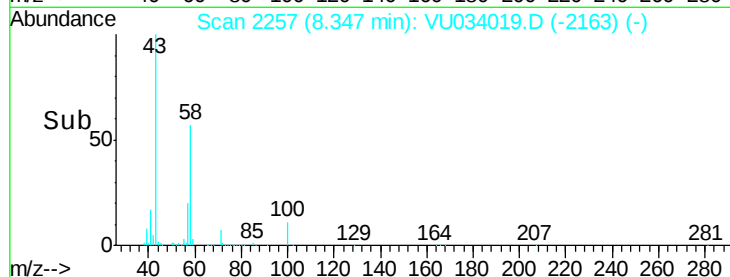
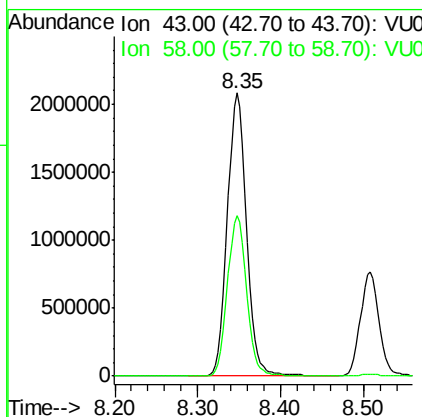
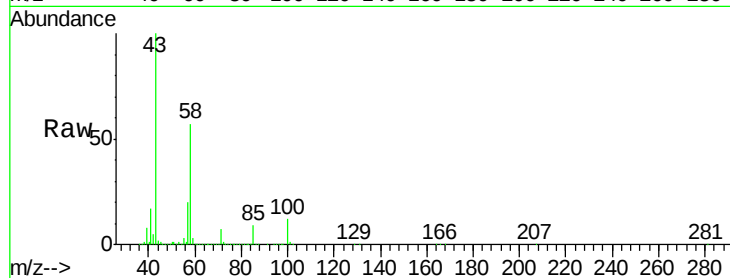
#59
2-Hexanone
Concen: 579.365 ug/l
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 3342976
Ion Ratio Lower Upper
43 100
58 57.1 28.4 85.3

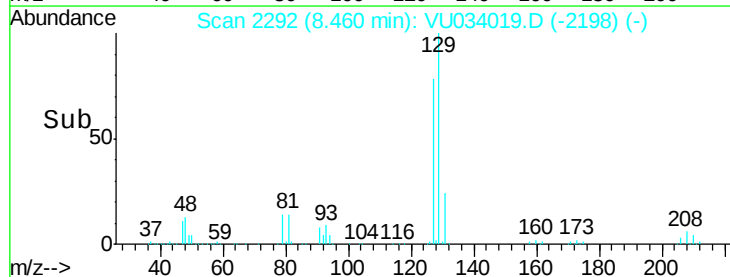
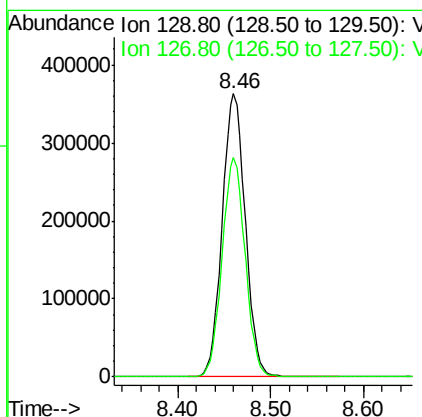
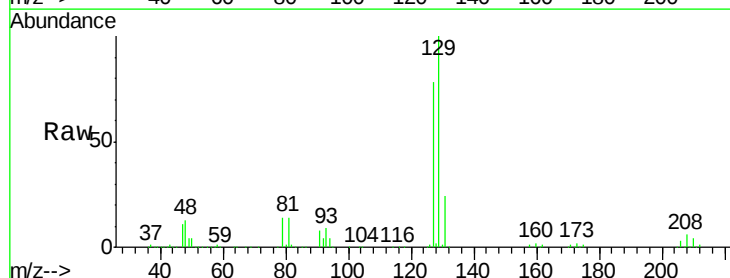
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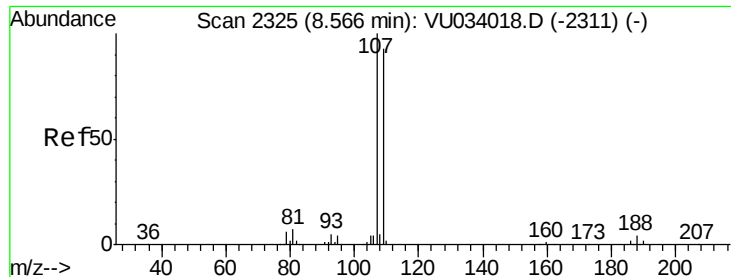
MMDadoda
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#60
Dibromochloromethane
Concen: 102.460 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion: 129 Resp: 627472
Ion Ratio Lower Upper
129 100
127 77.2 39.0 116.9





#61

1,2-Dibromoethane

Concen: 102.739 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 593877

Ion Ratio Lower Upper

107 100

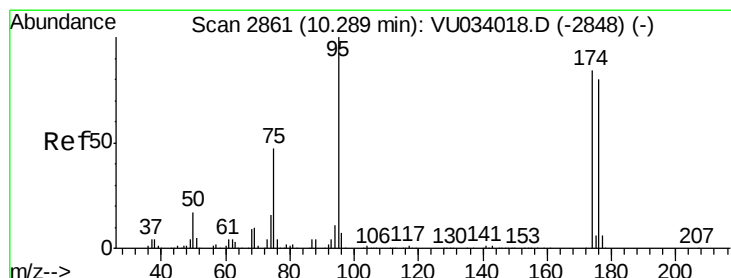
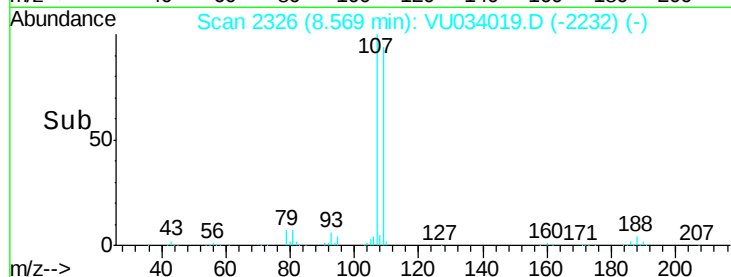
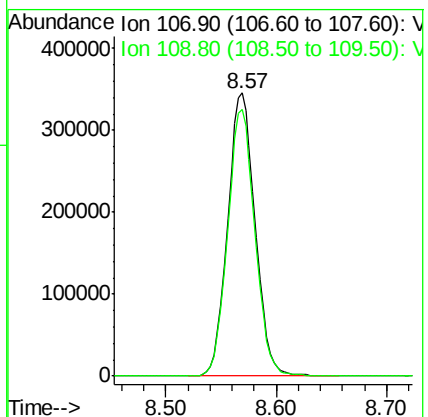
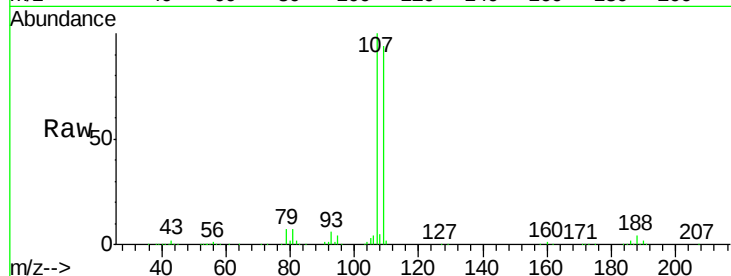
109 94.2 75.2 112.8

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#62

4-Bromofluorobenzene

Concen: 105.129 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

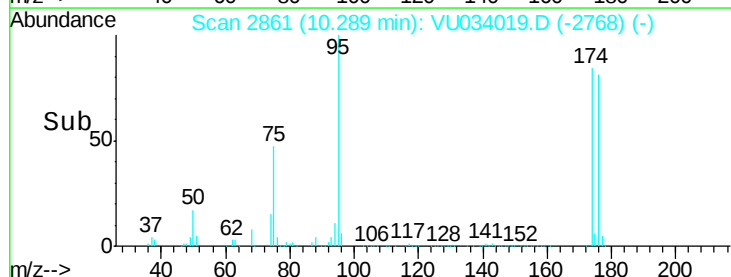
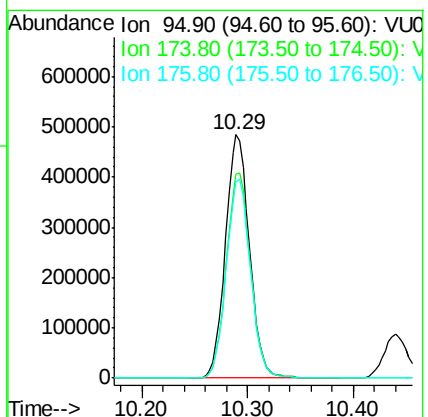
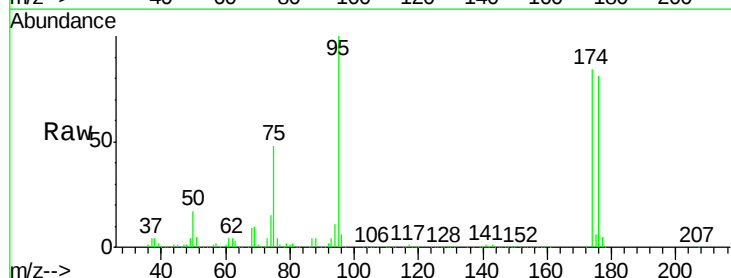
Tgt Ion: 95 Resp: 761960

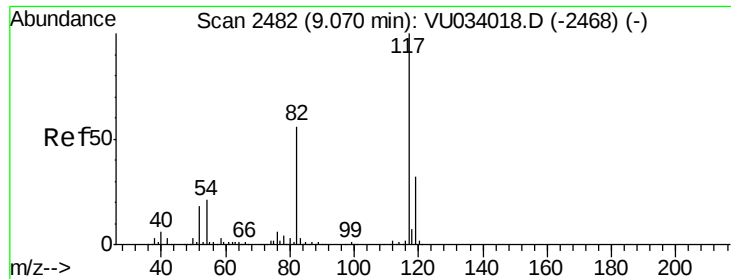
Ion Ratio Lower Upper

95 100

174 85.0 0.0 168.8

176 82.2 0.0 161.8





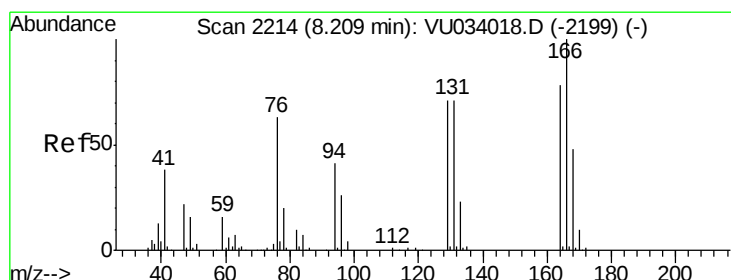
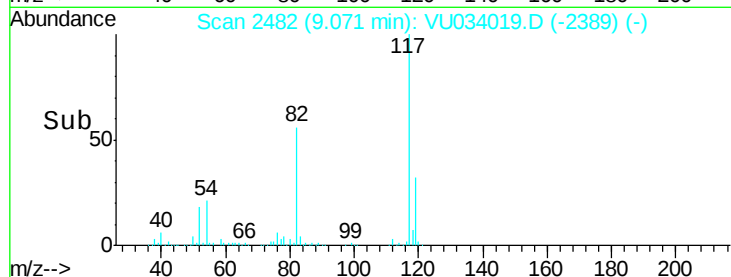
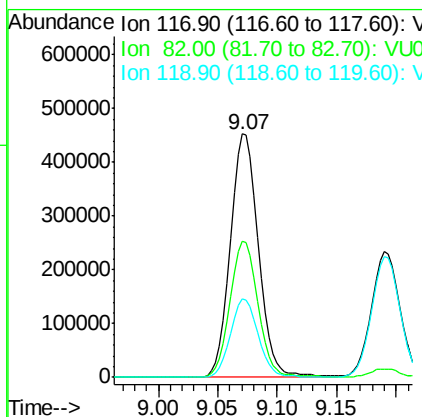
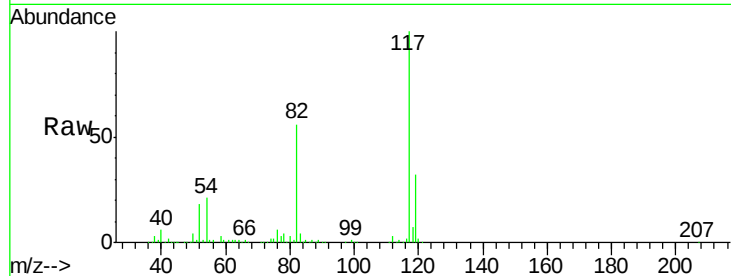
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.1	67.7
119	32.2	25.4	38.0

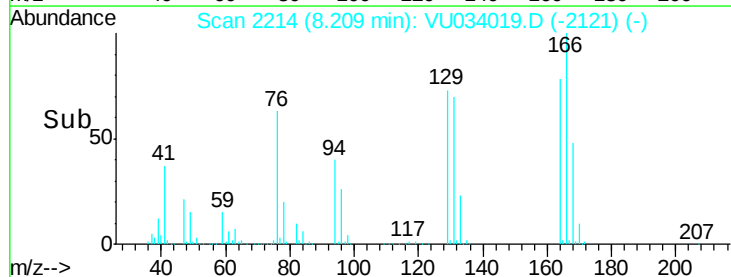
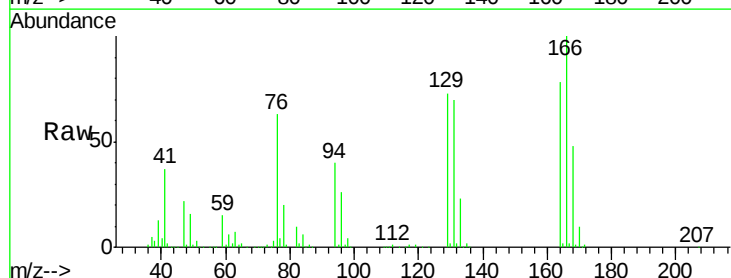
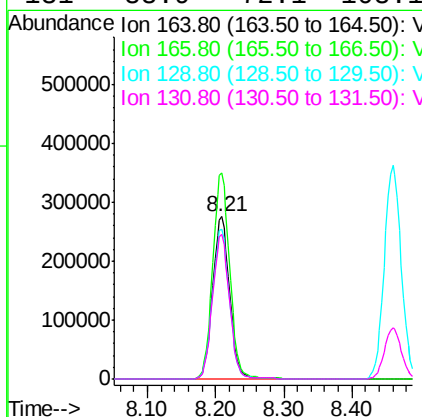
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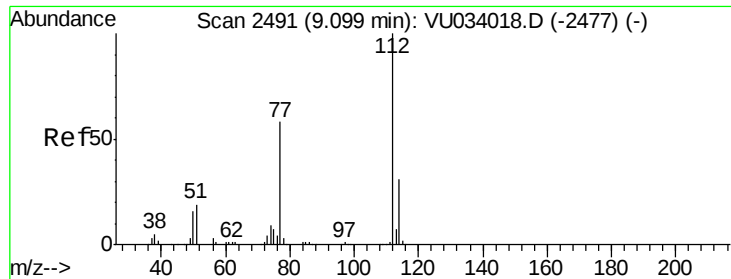
MMDadoda
8/29/2019 8:47:14 AM



#64
Tetrachloroethene
Concen: 81.053 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.2	153.2
129	92.5	72.4	108.6
131	88.9	72.1	108.1





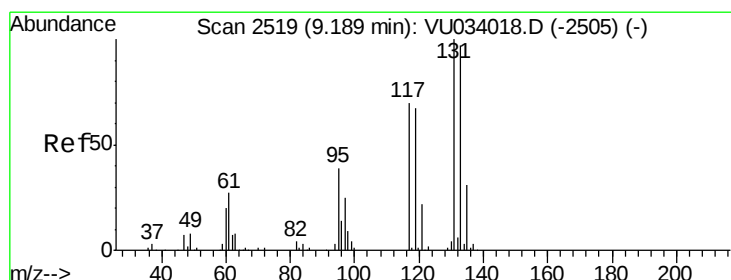
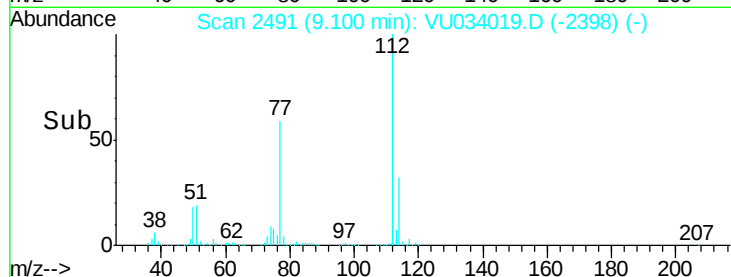
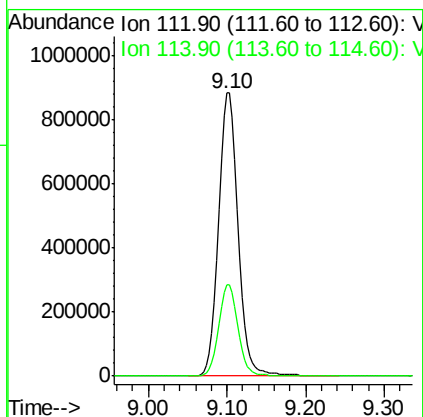
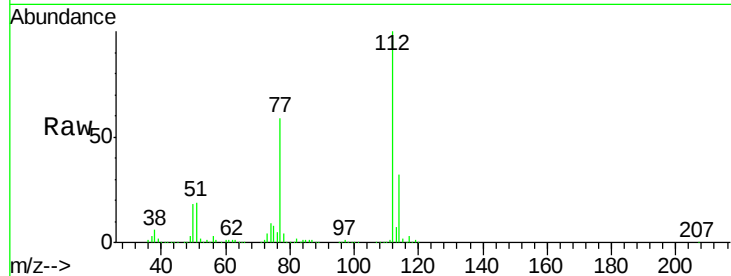
#65
Chlorobenzene
Concen: 96.854 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1506039
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.4

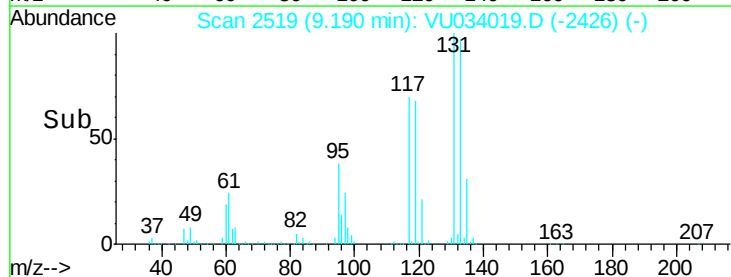
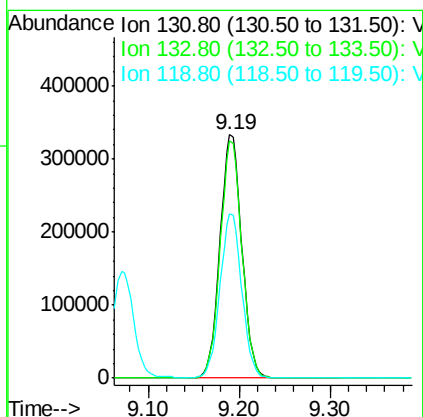
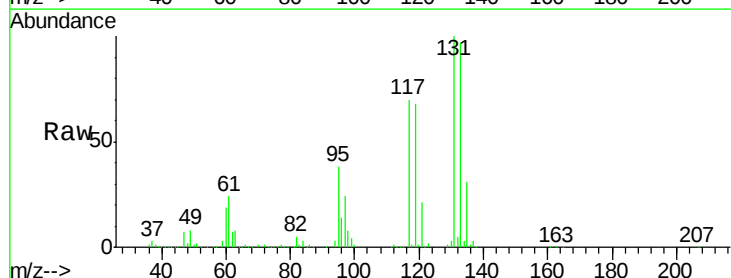
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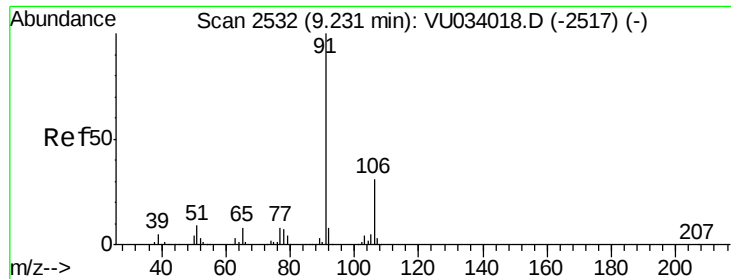
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#66
1,1,1,2-Tetrachloroethane
Concen: 96.530 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion:131 Resp: 554656
Ion Ratio Lower Upper
131 100
133 96.7 48.4 145.2
119 67.3 33.6 100.6





#67

Ethyl Benzene

Concen: 101.554 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2646777

Ion Ratio Lower Upper

91 100

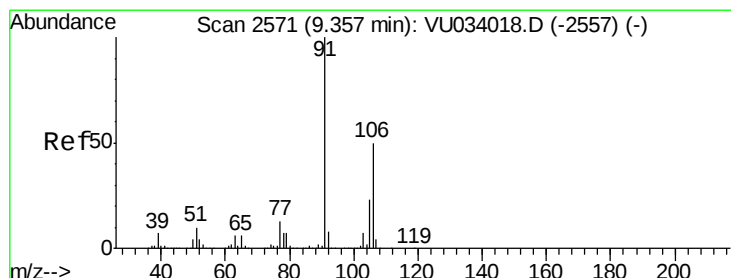
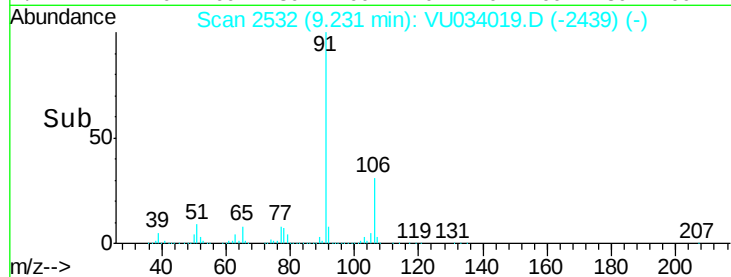
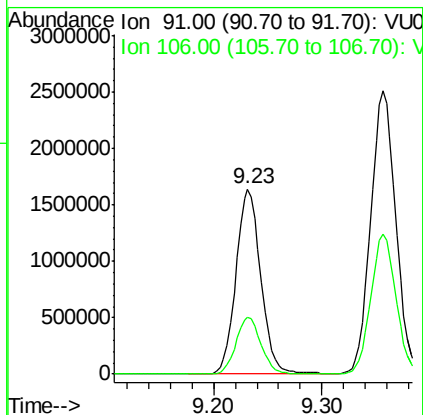
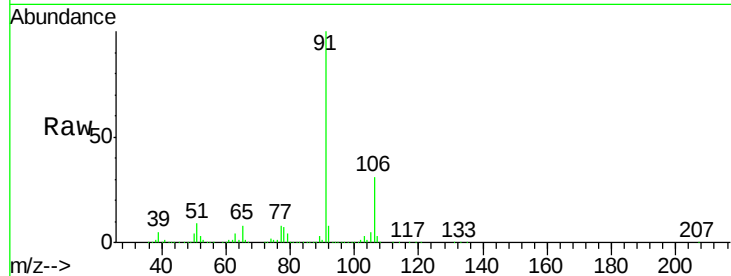
106 30.9 24.9 37.3

Manual Integrations

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8/29/2019 8:47:14 AM



#68

m/p-Xylenes

Concen: 201.239 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034019.D

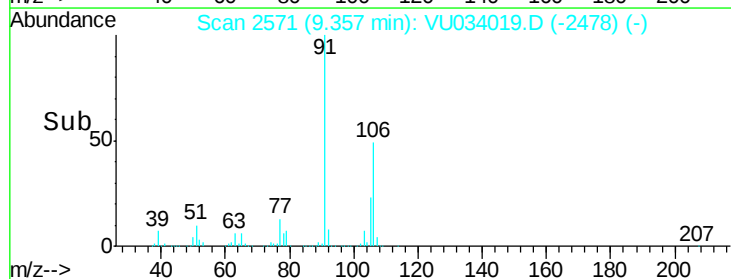
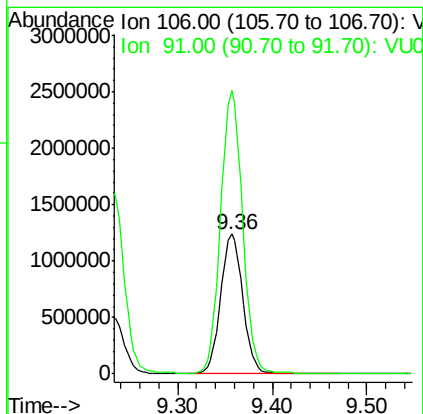
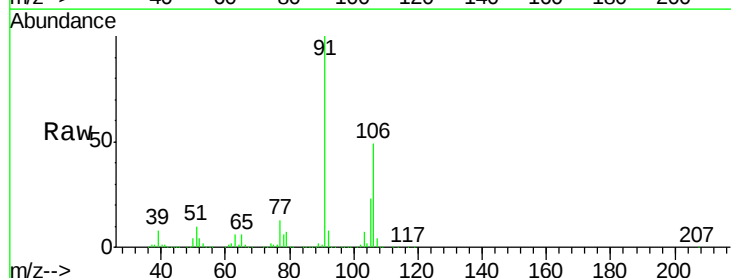
Acq: 28 Aug 2019 13:13

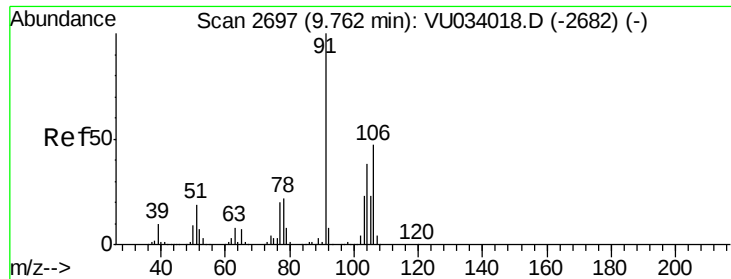
Tgt Ion: 106 Resp: 2016703

Ion Ratio Lower Upper

106 100

91 202.2 161.6 242.4





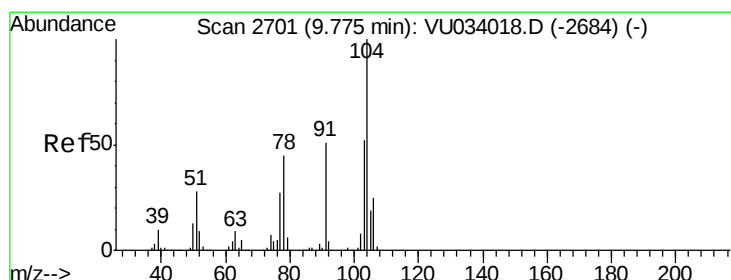
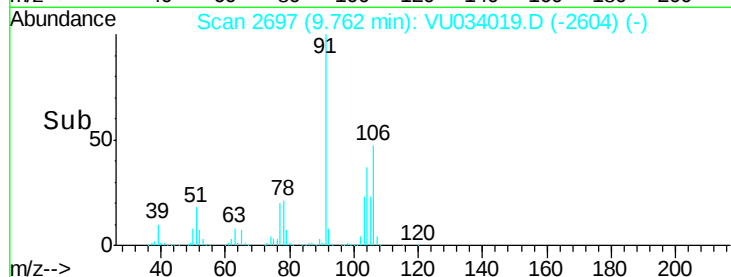
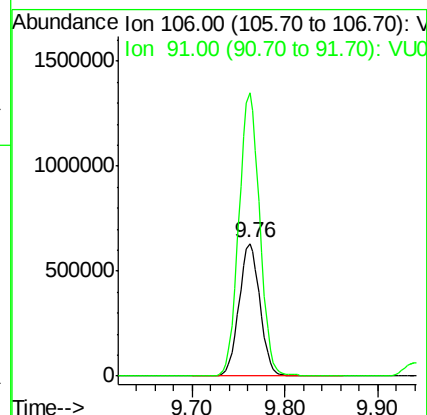
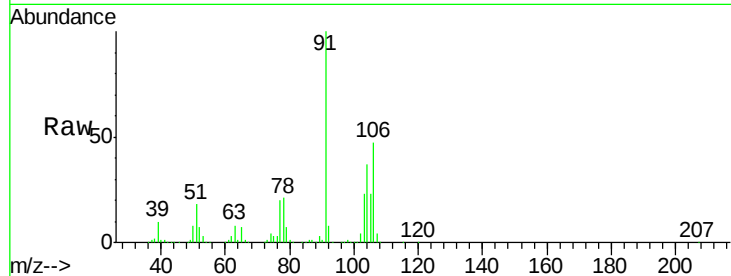
#69
o-Xylene
Concen: 102.836 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
106	100	987715		
91	213.1	106.0	318.0	

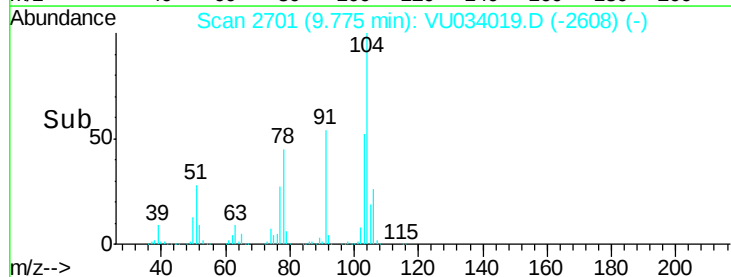
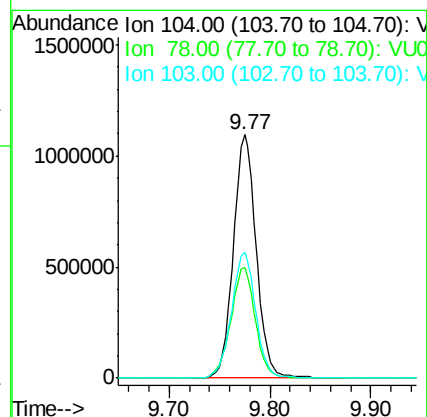
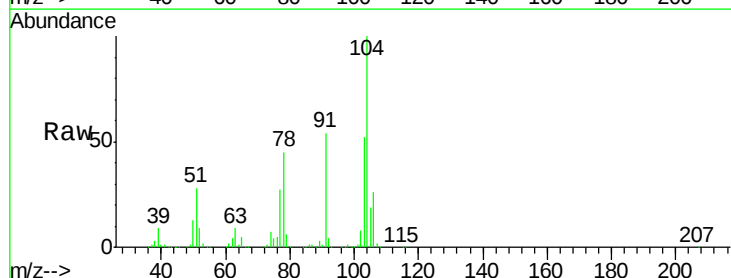
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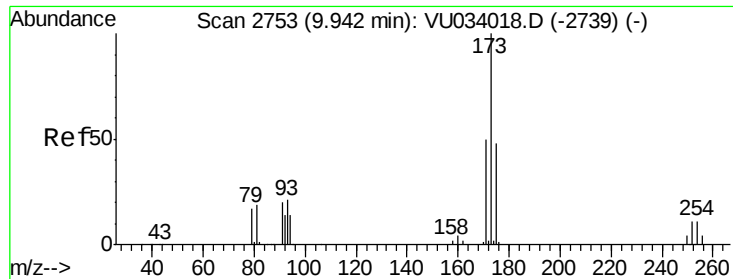
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#70
Styrene
Concen: 105.659 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	1737580		
78	48.8	39.0	58.4	
103	54.9	44.0	66.0	





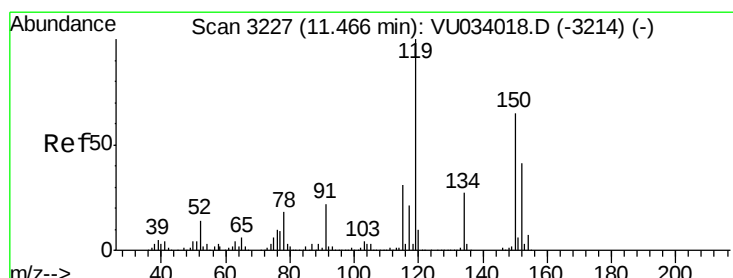
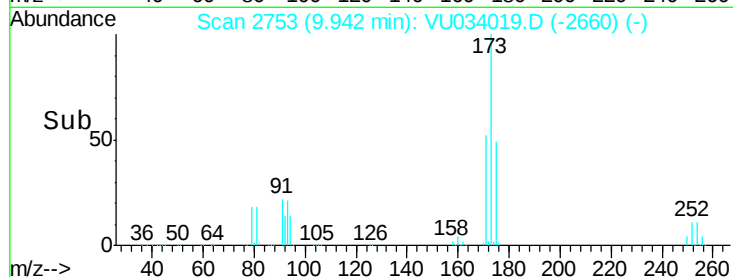
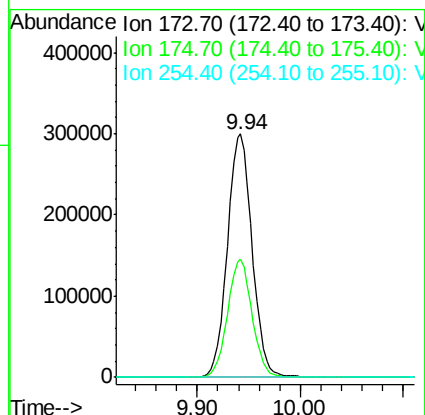
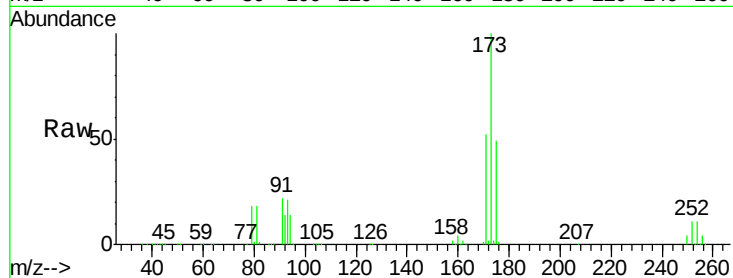
#71
Bromoform
Concen: 98.245 ug/l
RT: 9.94 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.2	0.0	0.0

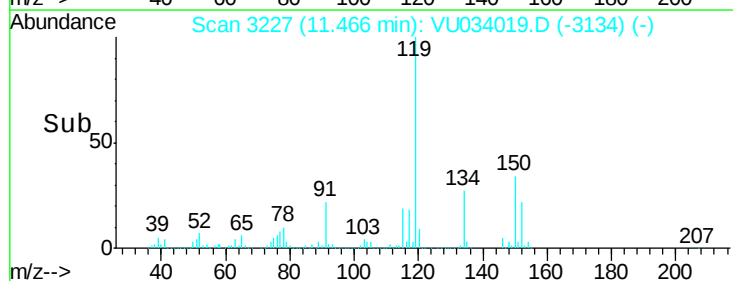
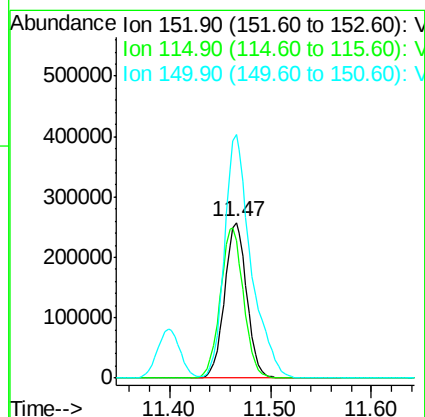
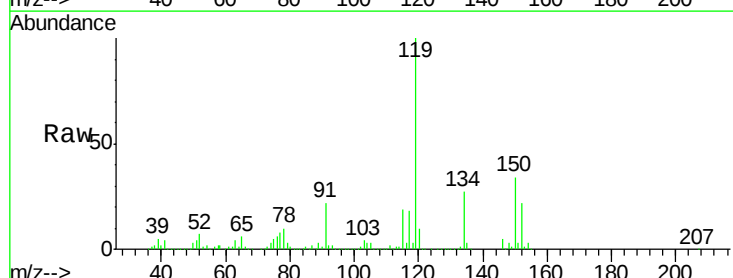
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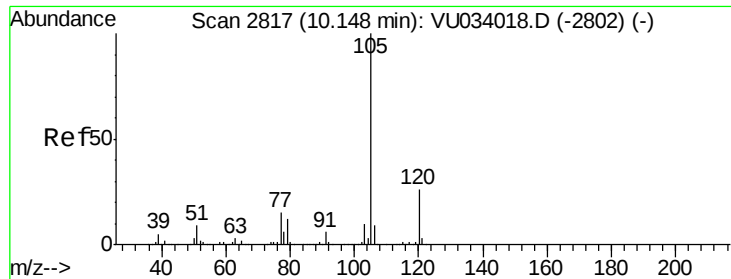
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	100.6	41.1	123.3
150	186.2	0.0	348.8





#73

Isopropylbenzene

Concen: 102.729 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2677907

Ion Ratio Lower Upper

105 100

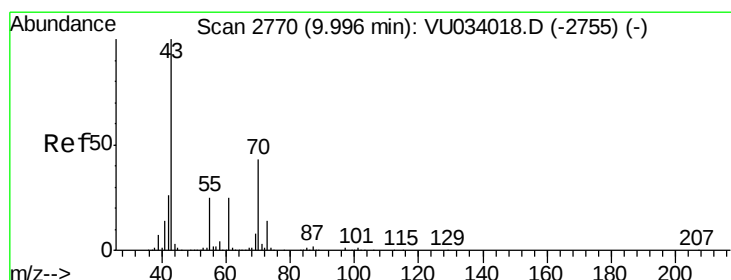
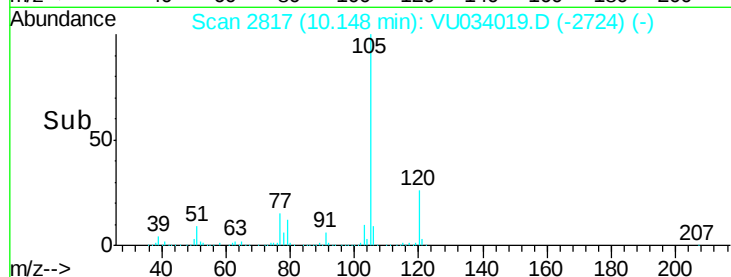
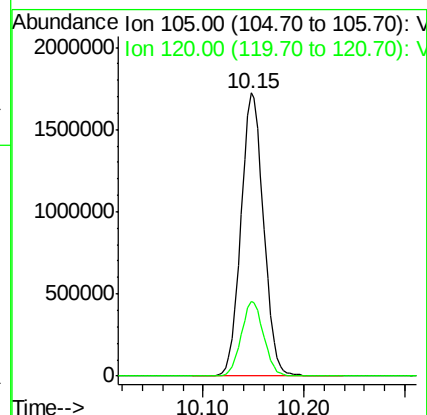
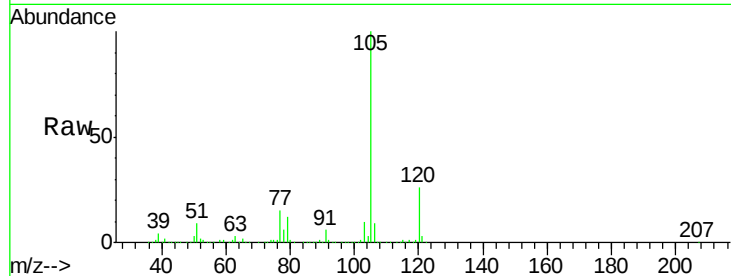
120 26.4 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 119.733 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Tgt Ion: 43 Resp: 1199676

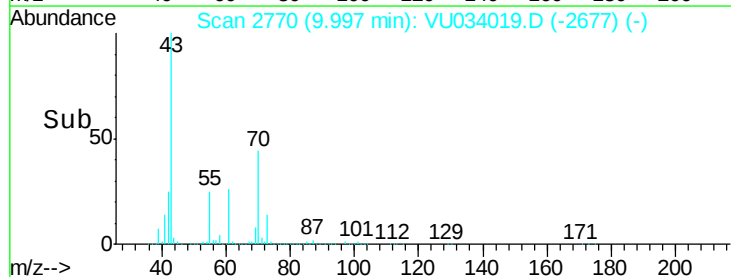
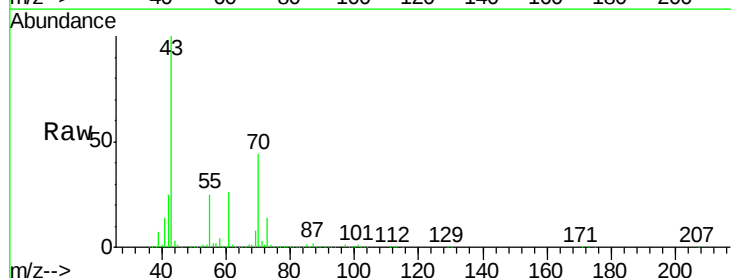
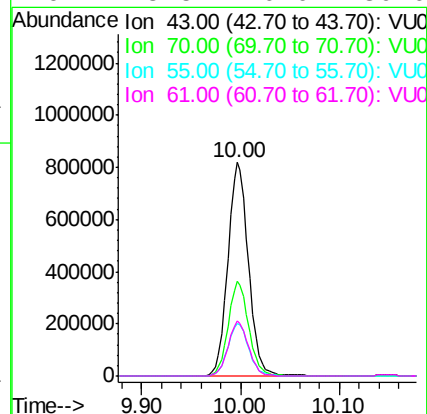
Ion Ratio Lower Upper

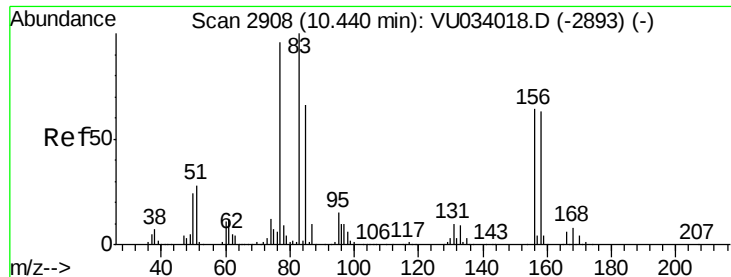
43 100

70 44.1 35.2 52.8

55 25.2 20.5 30.7

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 99.542 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 943218

Ion Ratio Lower Upper

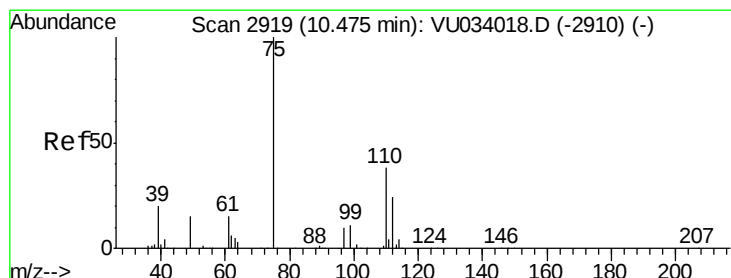
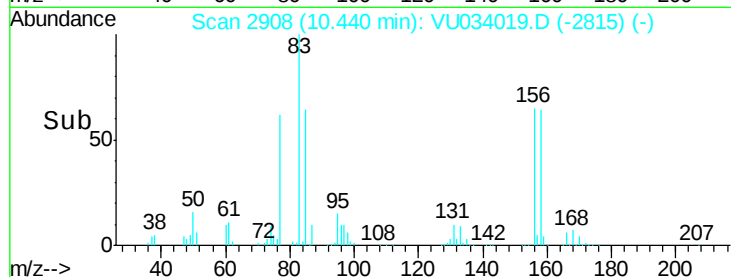
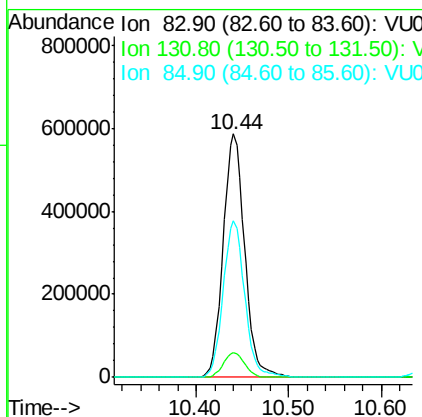
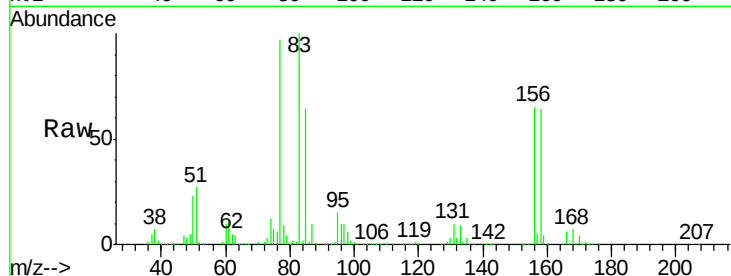
83 100

131 10.1 5.0 14.9

85 64.5 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 101.028 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034019.D

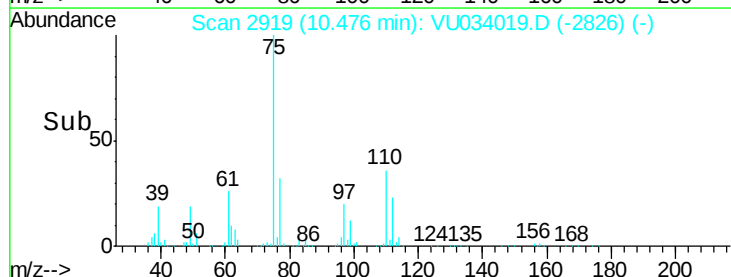
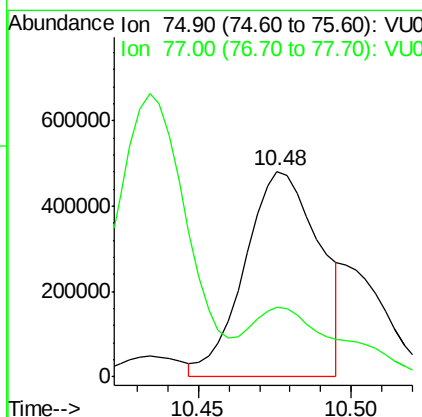
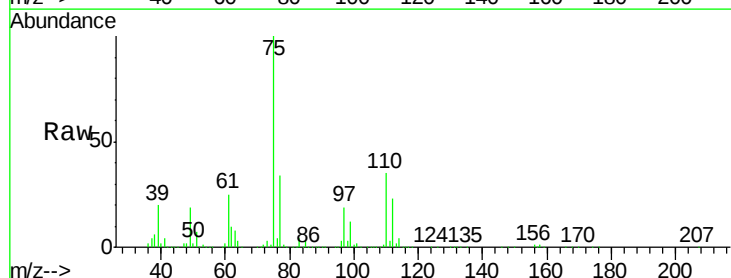
Acq: 28 Aug 2019 13:13

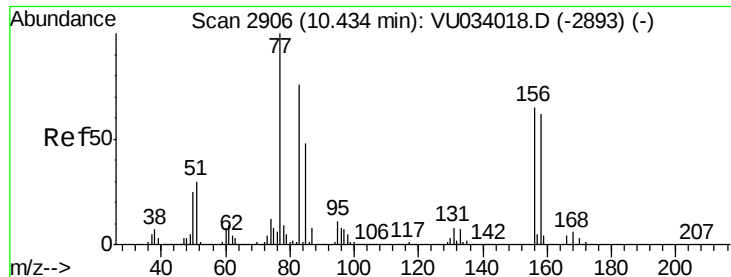
Tgt Ion: 75 Resp: 820434

Ion Ratio Lower Upper

75 100

77 40.9 20.1 60.2





#77

Bromobenzene

Concen: 94.862 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

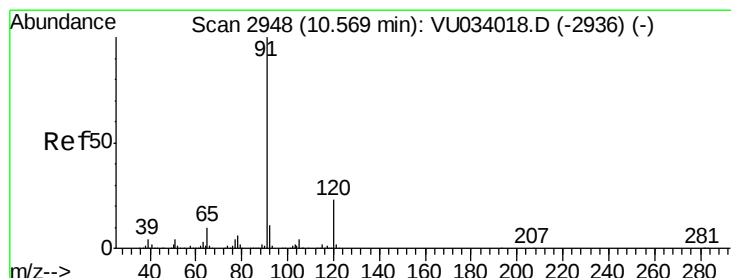
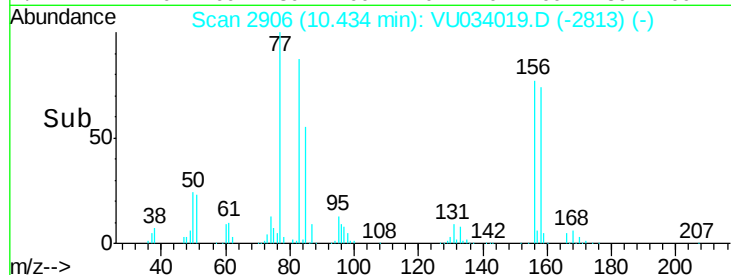
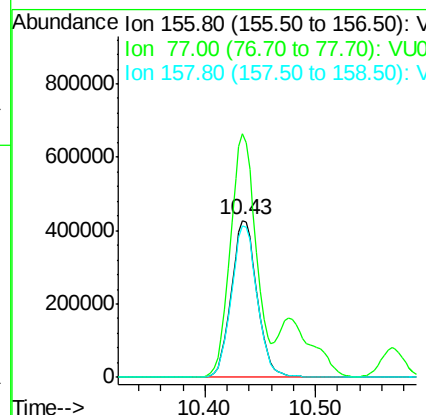
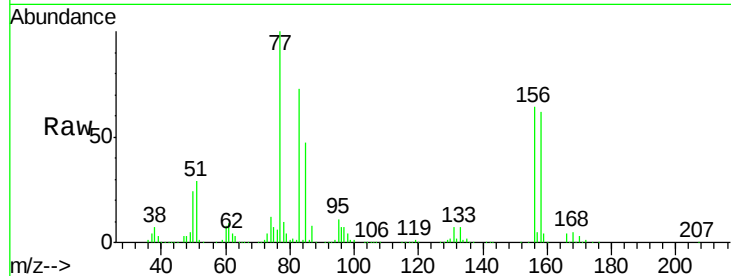
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	154.3	76.8	230.5	
158	97.1	48.4	145.0	

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#78

n-propylbenzene

Concen: 105.642 ug/l

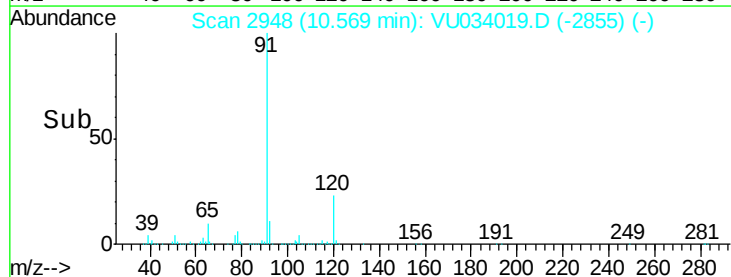
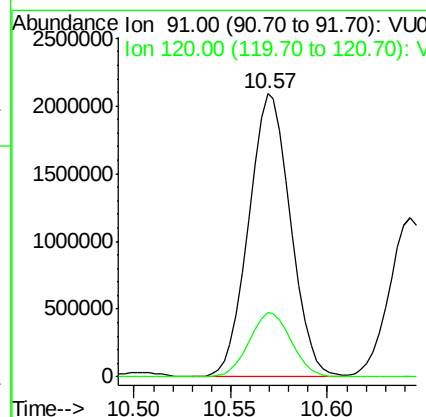
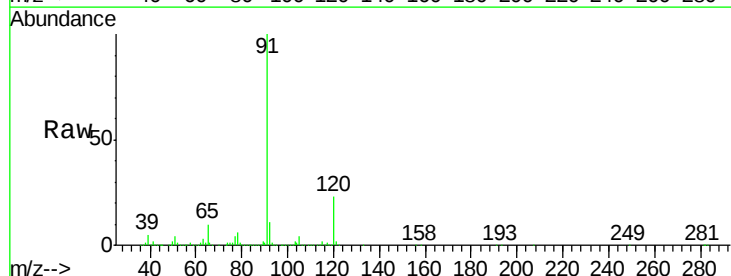
RT: 10.57 min Scan# 2948

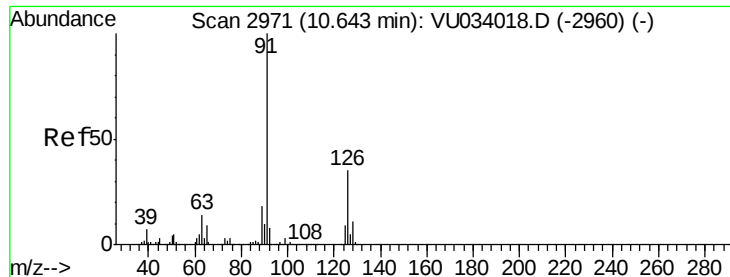
Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.0	11.7	35.0	





#79

2-Chlorotoluene

Concen: 101.477 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1819072

Ion Ratio Lower Upper

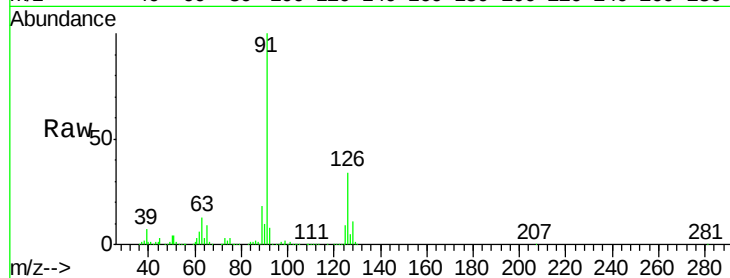
91 100

126 34.1 17.1 51.2

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Abundance Ion 91.00 (90.70 to 91.70): VU034019.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU034019.D (-2960) (-)

2500000

2000000

1500000

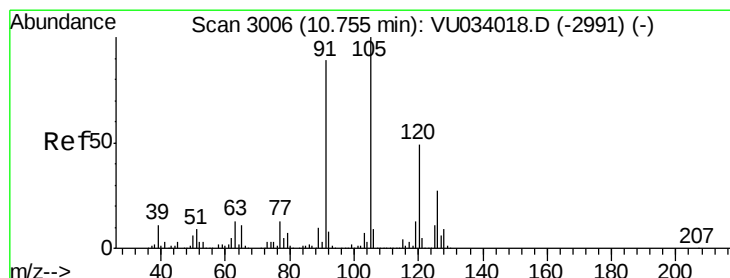
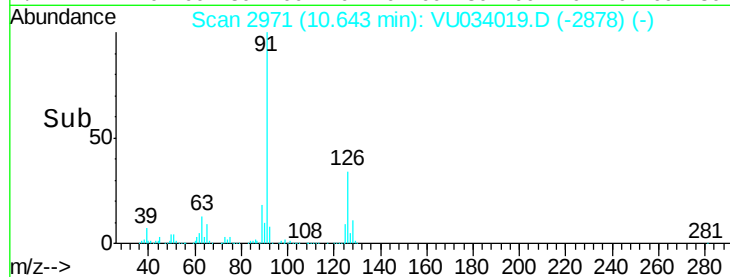
1000000

500000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 103.316 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034019.D

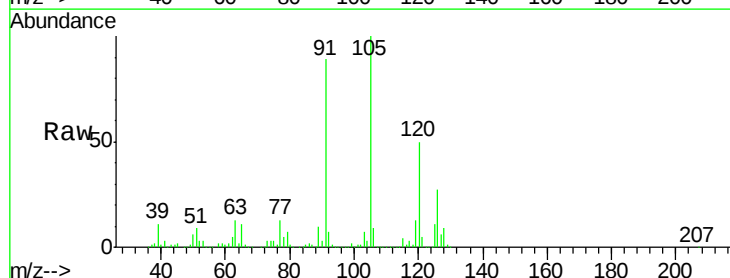
Acq: 28 Aug 2019 13:13

Tgt Ion:105 Resp: 2303997

Ion Ratio Lower Upper

105 100

120 49.4 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU034019.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034019.D (-2991) (-)

1500000

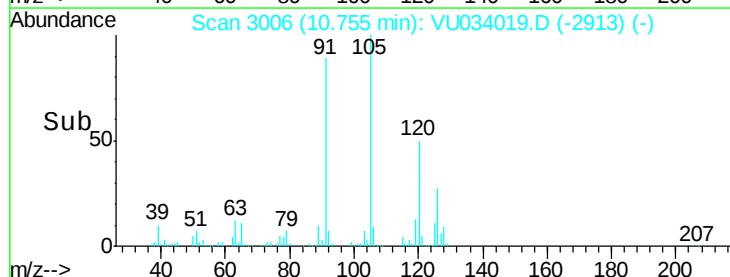
1000000

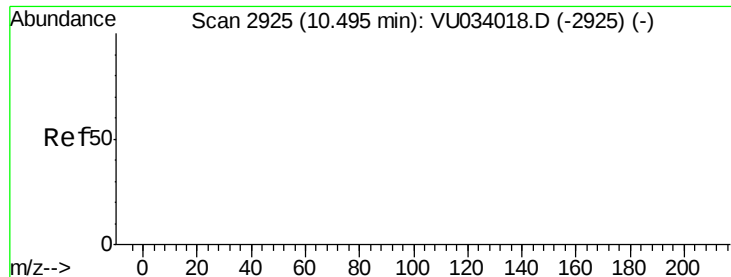
500000

0

10.70 10.80

Time-->





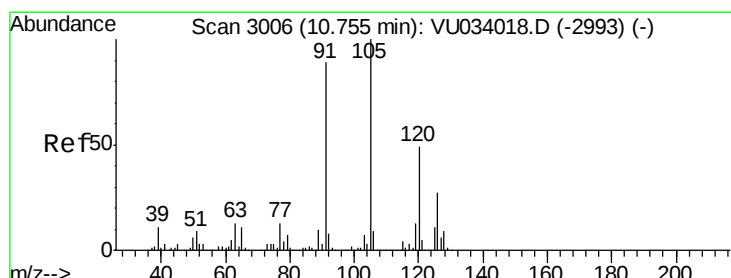
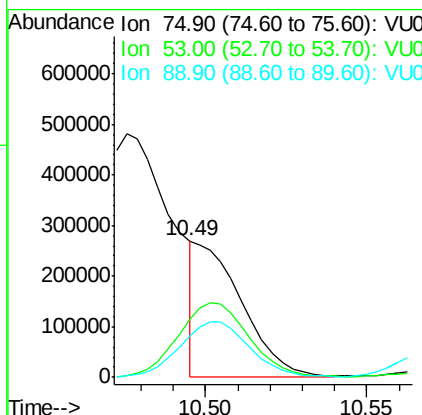
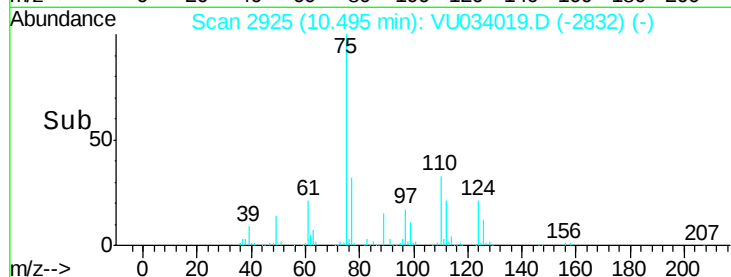
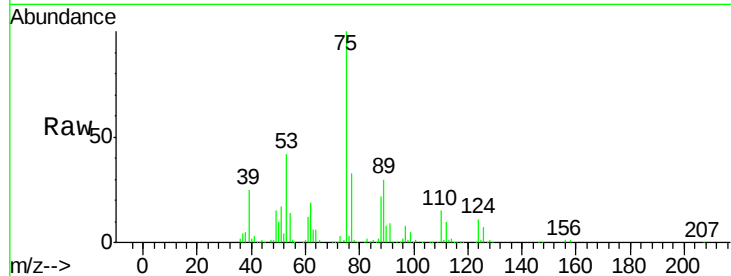
#81
trans-1,4-Dichloro-2-butene
Concen: 98.408 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

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

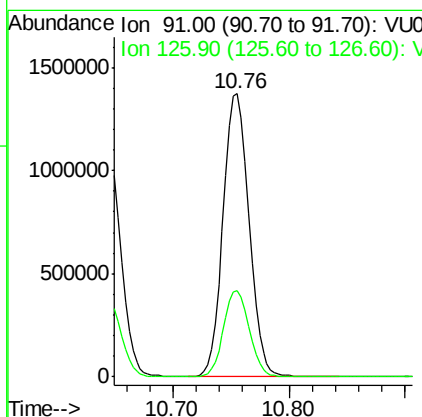
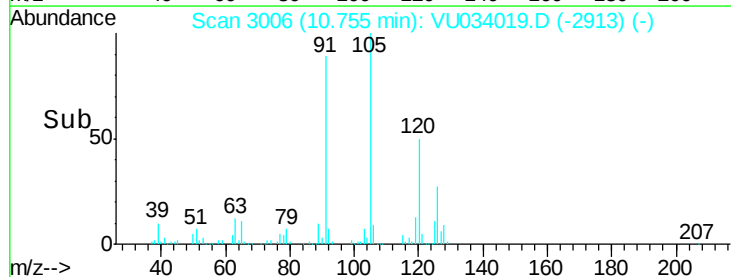
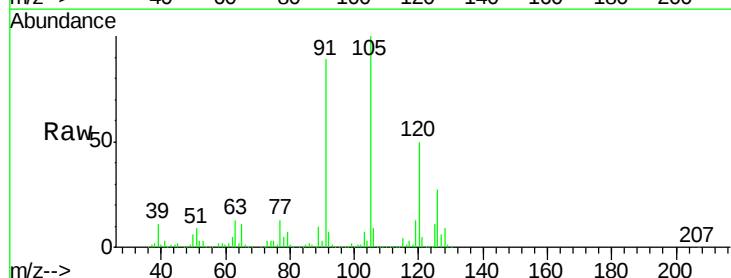
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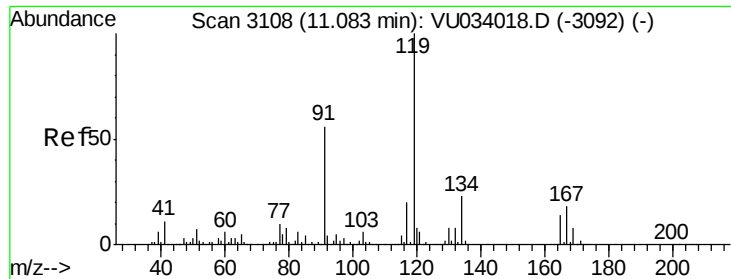
MMDadoda
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#82
4-Chlorotoluene
Concen: 102.574 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.0	45.1





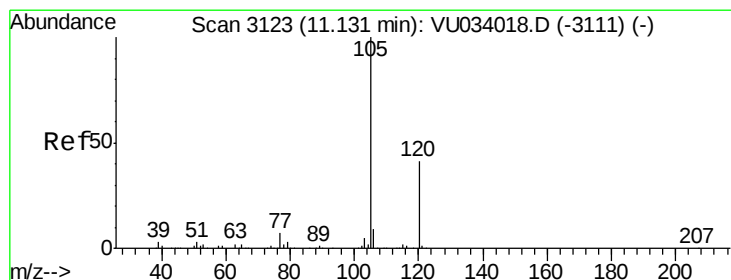
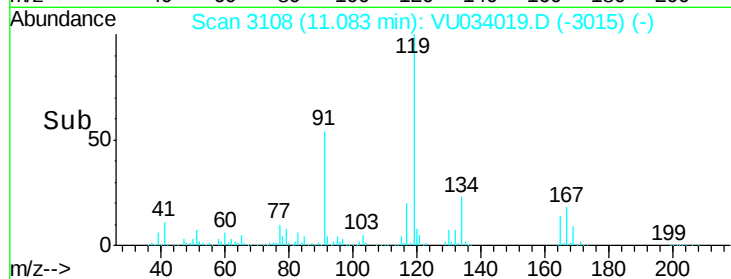
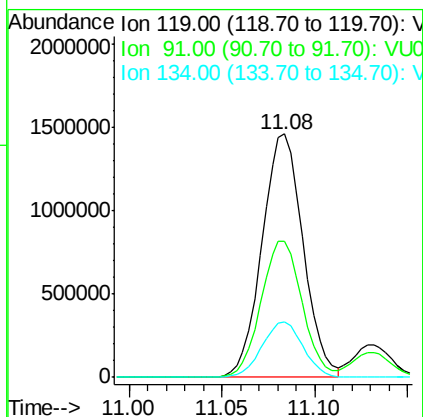
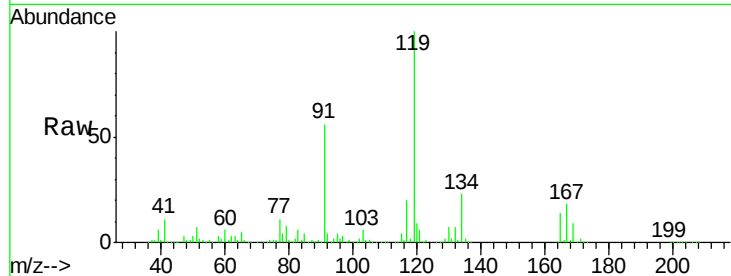
#83
 tert-Butylbenzene
 Concen: 103.930 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU034019.D
 Acq: 28 Aug 2019 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.2	27.9	83.6
134	22.7	11.4	34.2

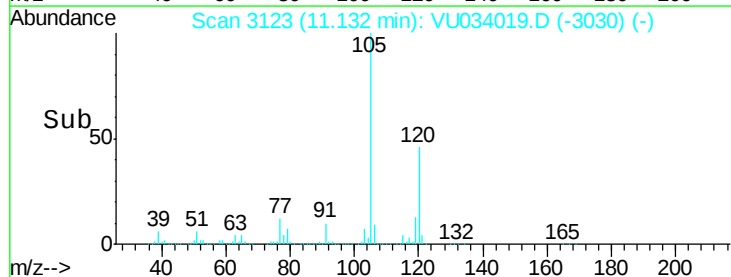
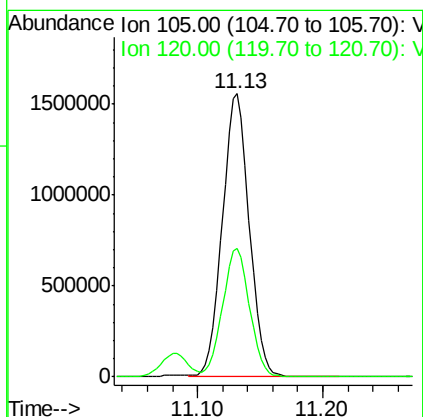
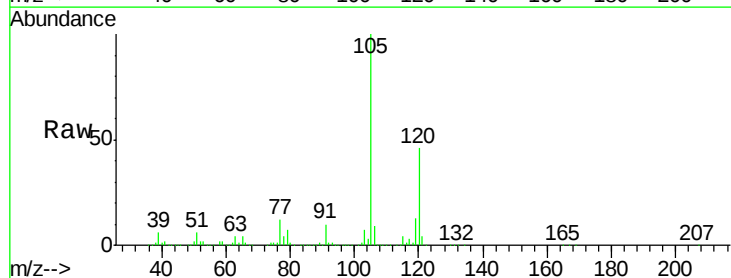
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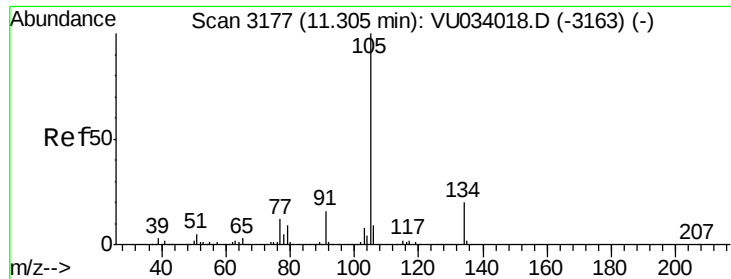
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#84
 1,2,4-Trimethylbenzene
 Concen: 105.851 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU034019.D
 Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.6	67.8





#85

sec-Butylbenzene

Concen: 105.218 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2725441

Ion Ratio Lower Upper

105 100

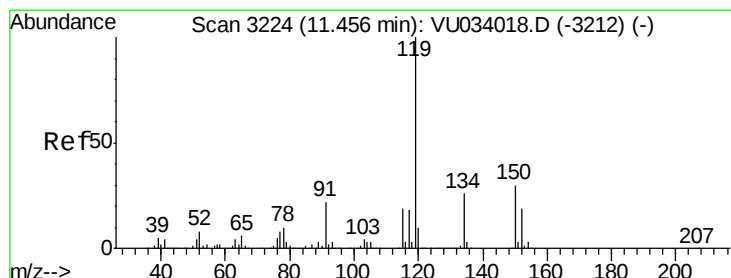
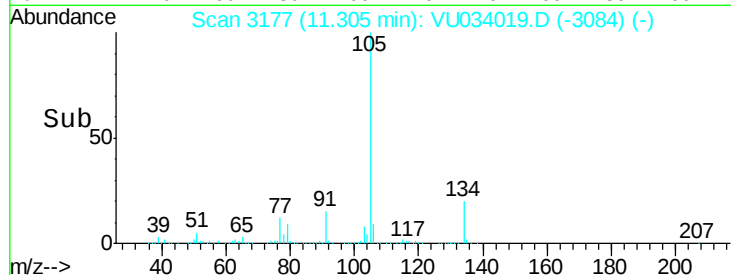
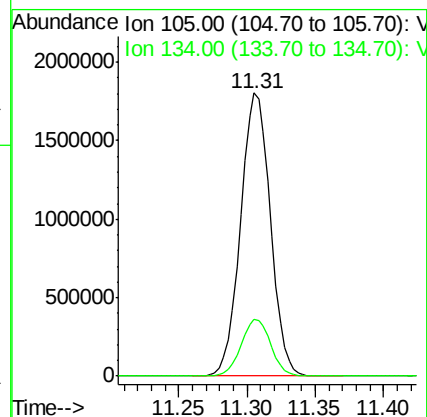
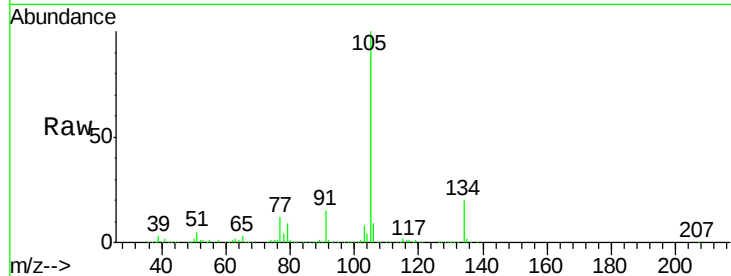
134 20.0 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 103.722 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

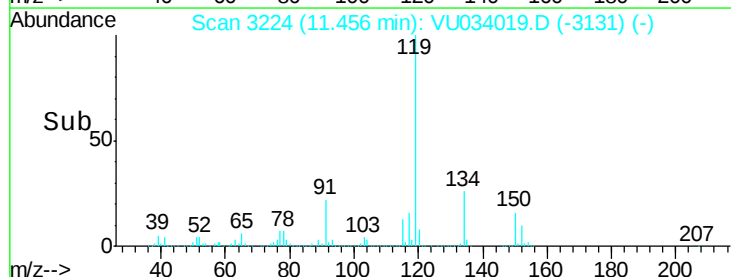
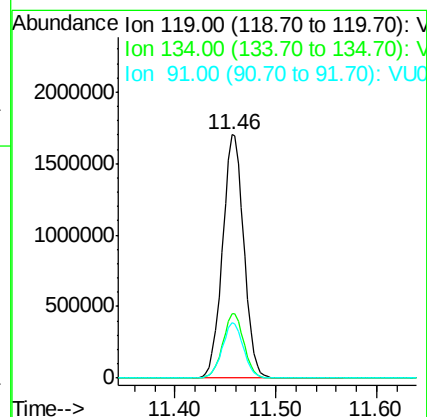
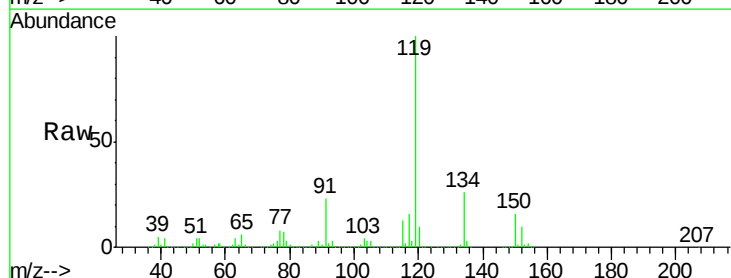
Tgt Ion:119 Resp: 2500794

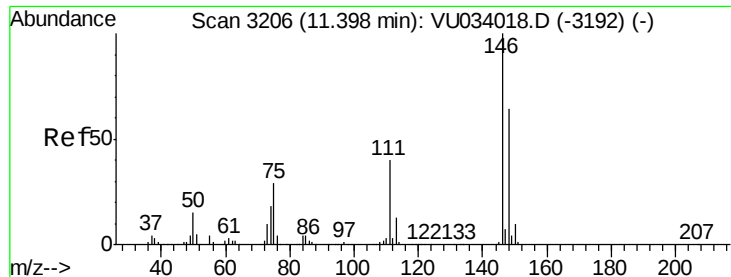
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.1

91 22.5 11.2 33.6





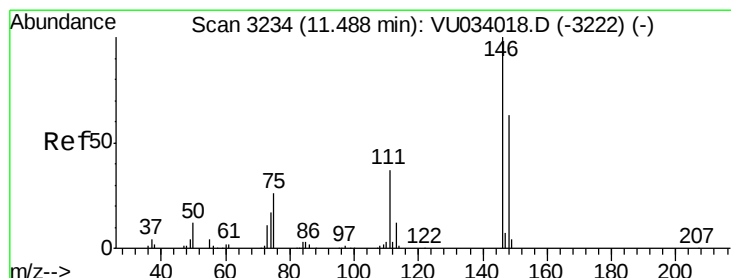
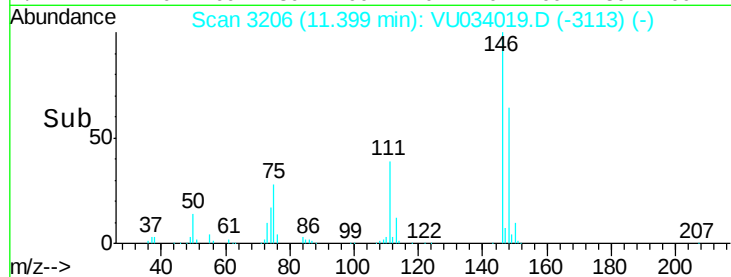
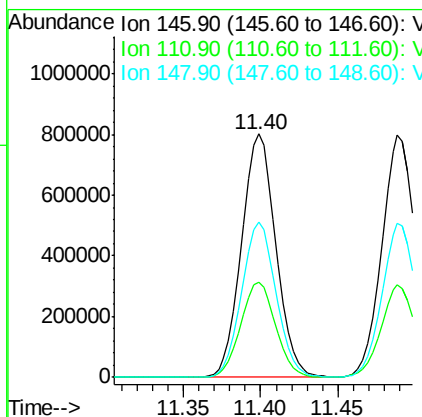
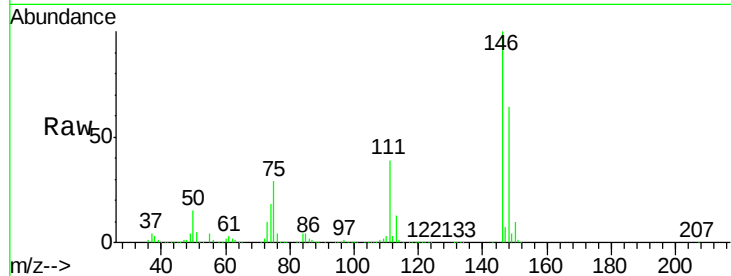
#87
 1,3-Dichlorobenzene
 Concen: 95.826 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034019.D
 Acq: 28 Aug 2019 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.6
148	63.9	31.9	95.5

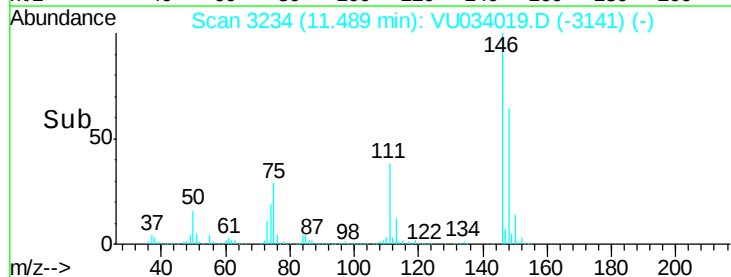
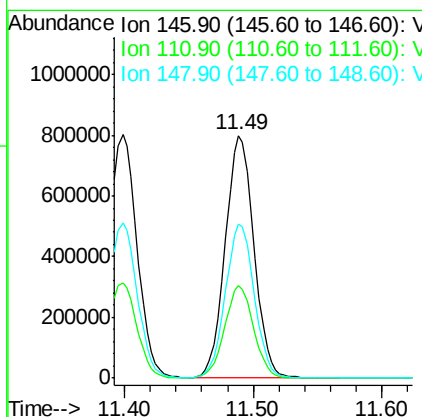
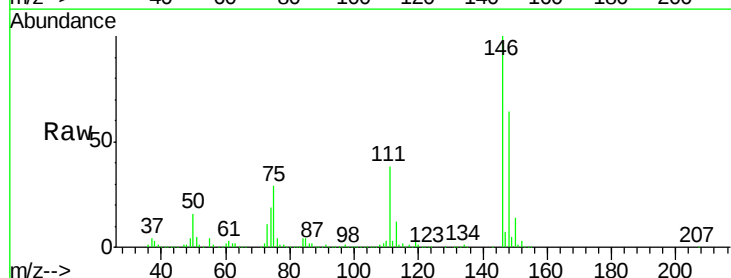
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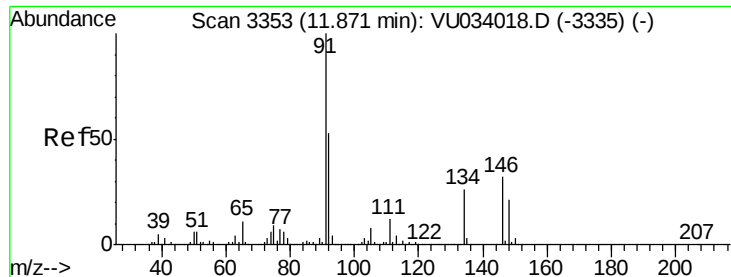
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#88
 1,4-Dichlorobenzene
 Concen: 94.311 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034019.D
 Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.2	57.6
148	64.0	31.9	95.9





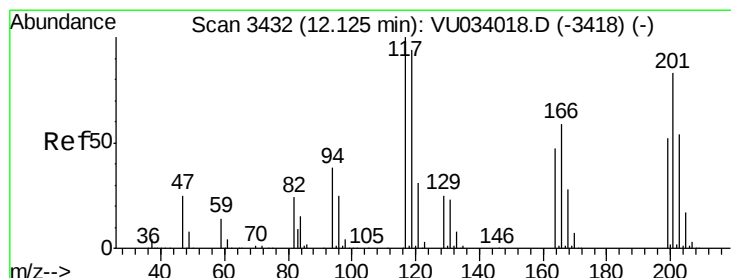
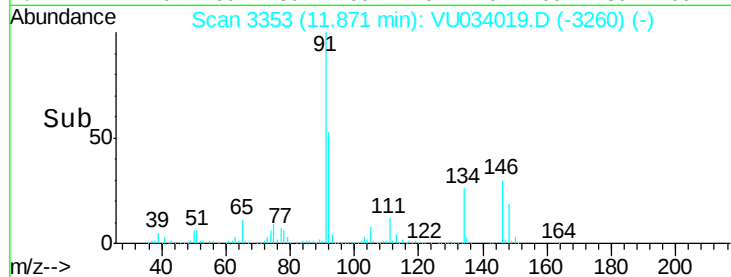
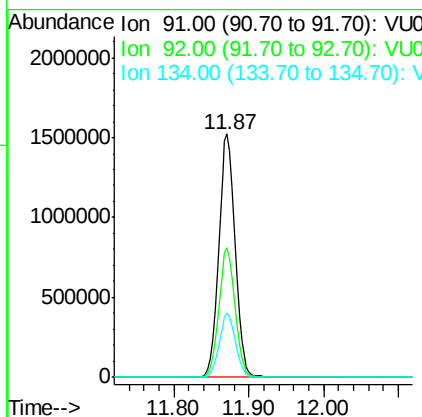
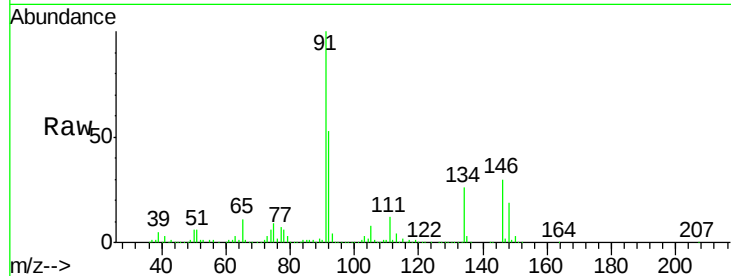
#89
n-Butylbenzene
Concen: 112.574 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2292687
Ion Ratio Lower Upper
91 100
92 53.1 26.3 78.9
134 26.2 12.9 38.7

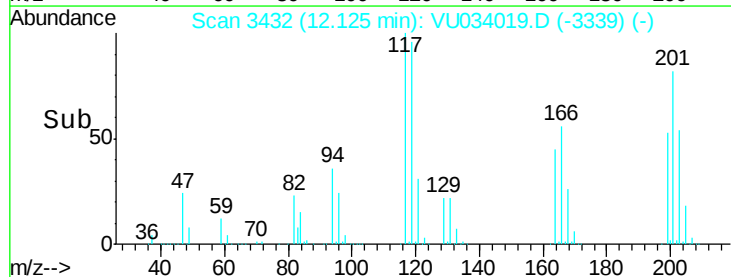
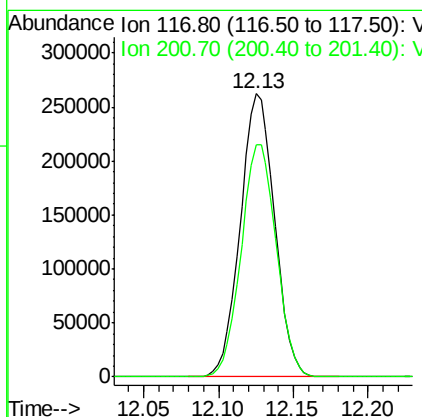
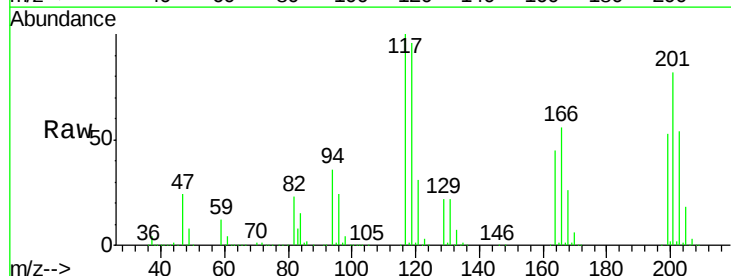
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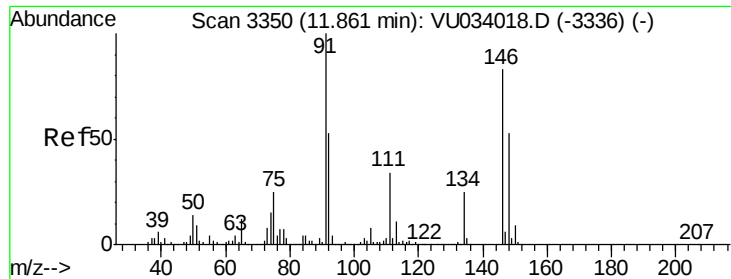
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#90
Hexachloroethane
Concen: 104.524 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion: 117 Resp: 418334
Ion Ratio Lower Upper
117 100
201 84.3 42.5 127.6





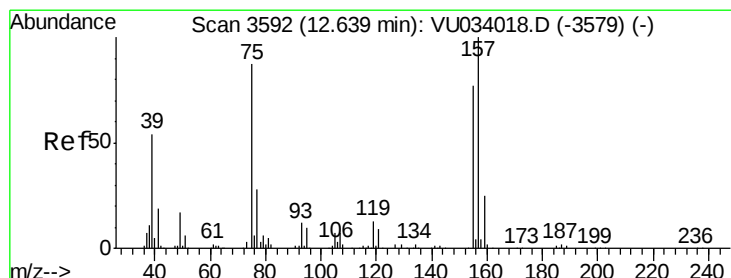
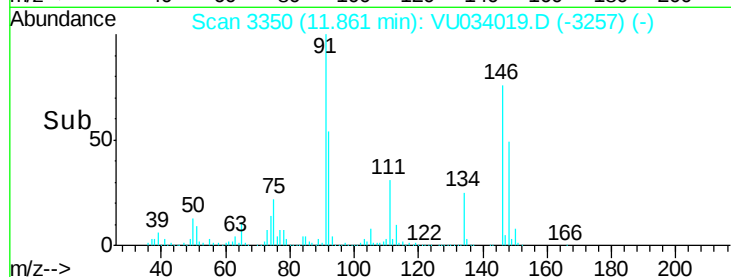
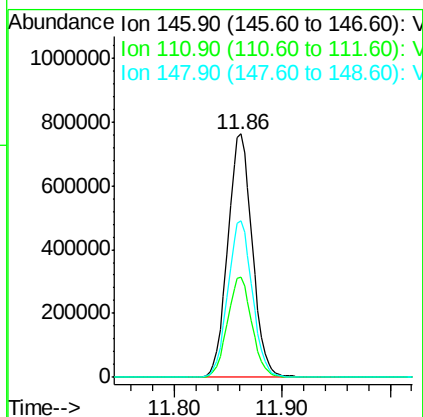
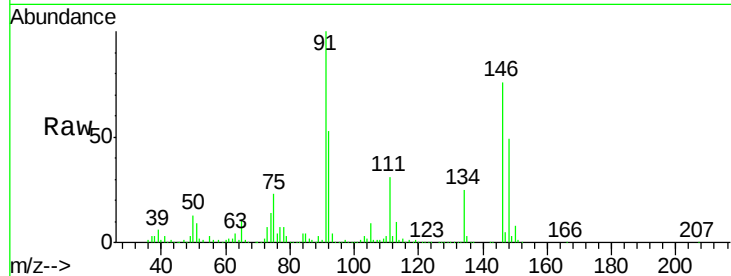
#91
1,2-Dichlorobenzene
Concen: 95.034 ug/l
RT: 11.86 min Scan# 3350
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.2
148	64.4	32.3	96.8

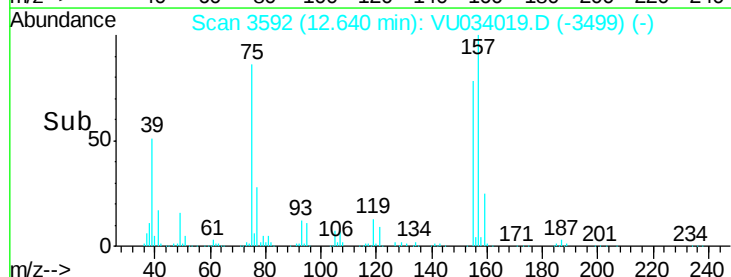
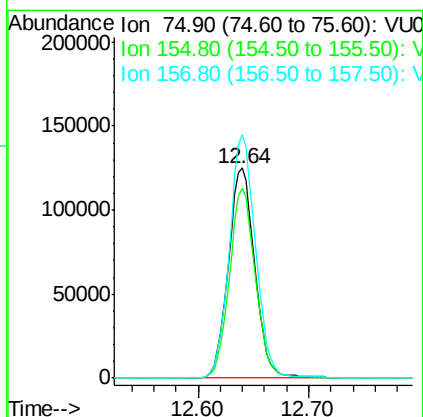
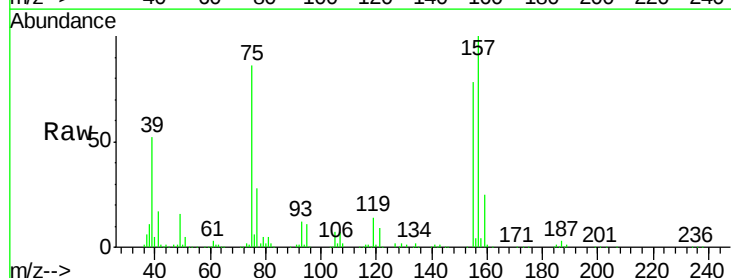
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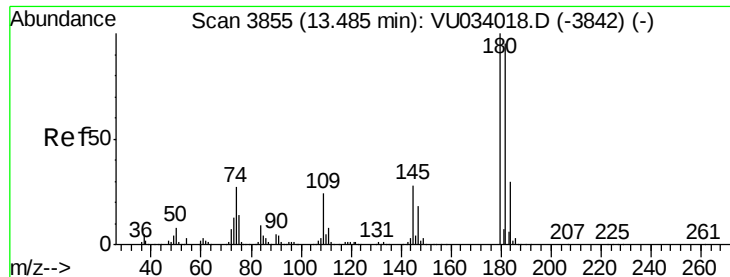
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#92
1,2-Dibromo-3-Chloropropane
Concen: 110.928 ug/l
RT: 12.64 min Scan# 3592
Delta R.T. 0.00 min
Lab File: VU034019.D
Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	43.5	130.7
157	114.9	56.9	170.6





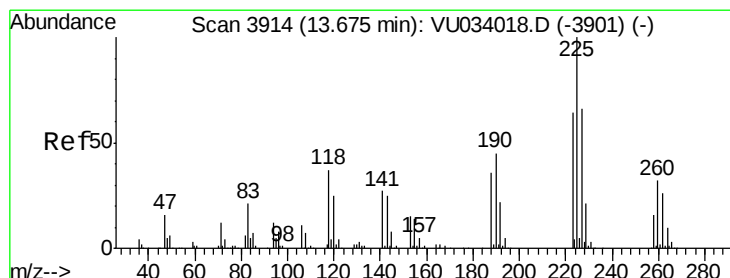
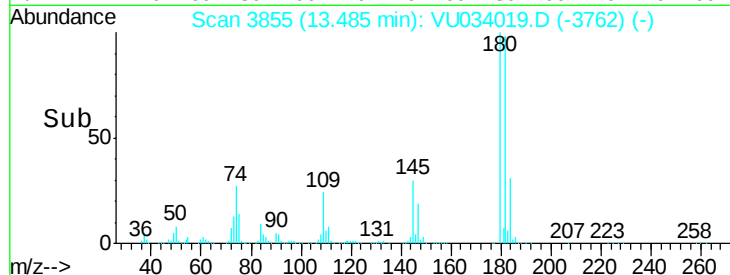
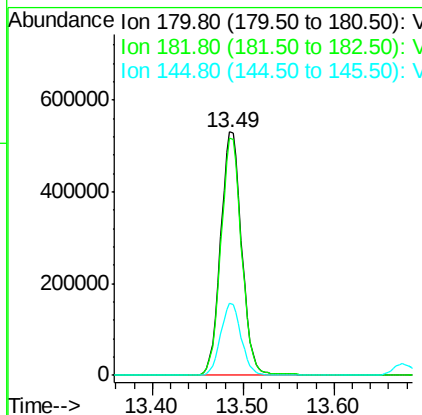
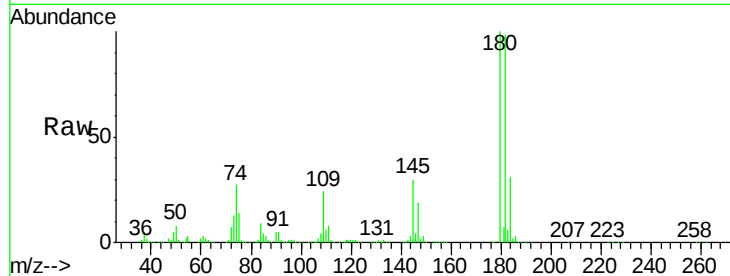
#93
 1,2,4-Trichlorobenzene
 Concen: 109.756 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034019.D
 Acq: 28 Aug 2019 13:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	853721		
182	96.2	47.4	142.2	
145	29.2	14.1	42.3	

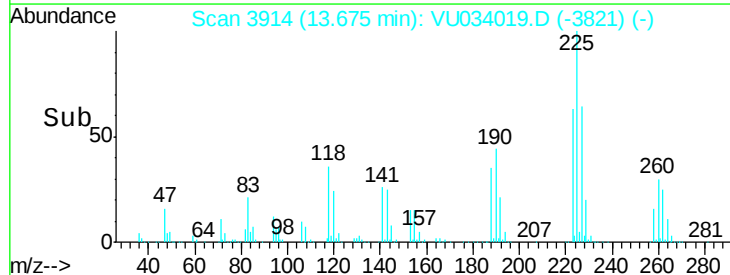
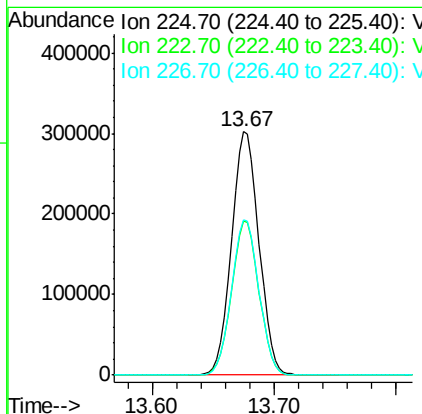
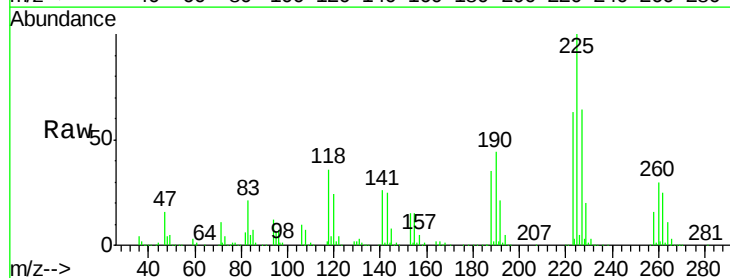
Manual Integrations
 APPROVED

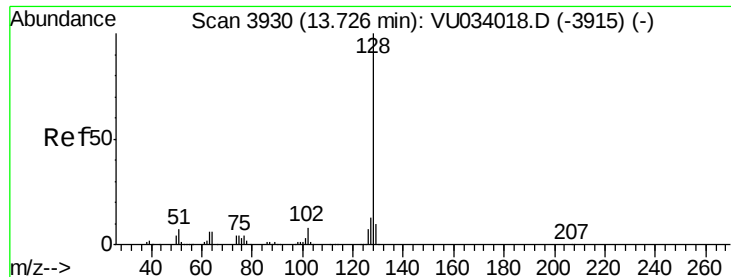
MMDadoda
 8/29/2019 8:47:14 AM



#94
 Hexachlorobutadiene
 Concen: 91.599 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034019.D
 Acq: 28 Aug 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	472266		
223	63.1	31.8	95.3	
227	63.8	32.6	97.8	





#95

Naphthalene

Concen: 119.458 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 2463396

Ion Ratio Lower Upper

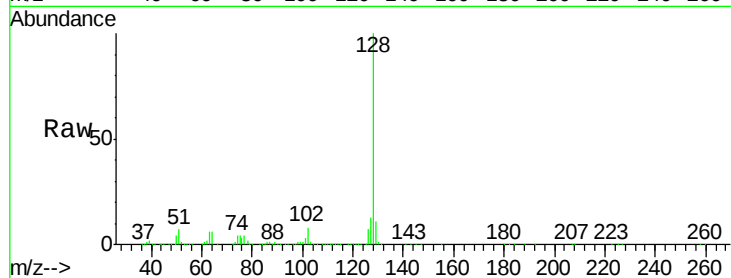
128 100

127 12.9 10.2 15.4

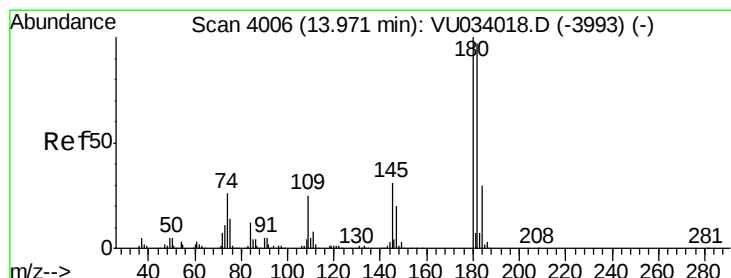
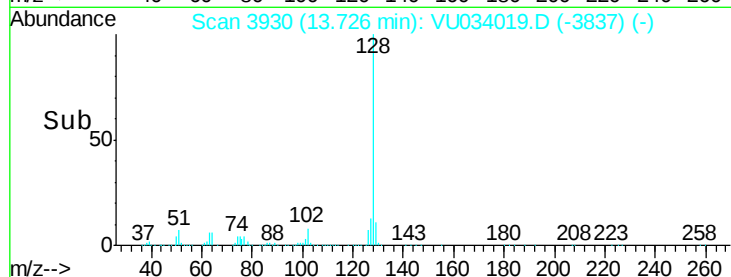
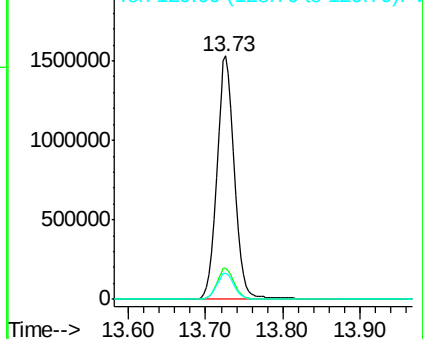
129 10.8 8.4 12.6

Manual Integrations
APPROVED

MMDadoda
8/29/2019 8:47:14 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 103.700 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034019.D

Acq: 28 Aug 2019 13:13

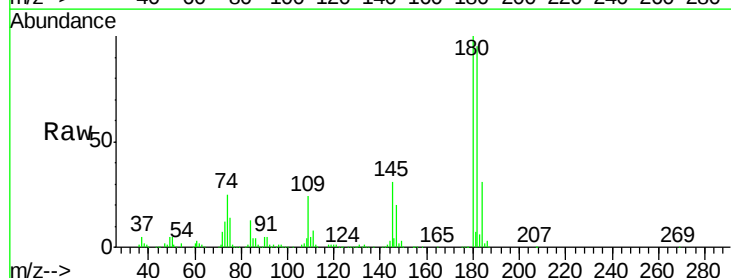
Tgt Ion:180 Resp: 833210

Ion Ratio Lower Upper

180 100

182 95.6 48.2 144.6

145 30.9 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

