

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U090919\
 Data File : VU034433.D
 Acq On : 09 Sep 2019 15:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 4:17:58 PM

Quant Time: Sep 10 06:50:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	269805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	391704	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	382037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	272176	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	200539	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	4.86	113	184084	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	7.54	98	697526	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	10.29	95	266912	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	129900	46.035	ug/l	97
3) Chloromethane	1.32	50	144154	47.281	ug/l	100
4) Vinyl Chloride	1.40	62	162944	46.340	ug/l	98
5) Bromomethane	1.61	94	97287	54.935	ug/l	99
6) Chloroethane	1.69	64	104286	51.048	ug/l	97
7) Trichlorofluoromethane	1.87	101	232341	49.280	ug/l	100
8) Diethyl Ether	2.09	74	103808	50.056	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	152640	48.881	ug/l	98
10) Methyl Iodide	2.40	142	123634	43.793	ug/l	99
11) Tert butyl alcohol	2.82	59	226688	262.849	ug/l	100
12) 1,1-Dichloroethene	2.27	96	143312	48.820	ug/l	95
13) Acrolein	2.18	56	143844	198.444	ug/l	100
14) Allyl chloride	2.58	41	267020	47.579	ug/l	99
15) Acrylonitrile	2.92	53	558851	260.216	ug/l	98
16) Acetone	2.31	43	484047	229.131	ug/l	98
17) Carbon Disulfide	2.46	76	279591	42.378	ug/l	100
18) Methyl Acetate	2.60	43	246641	47.981	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	559523	52.294	ug/l	99
20) Methylene Chloride	2.68	84	184967	53.484	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	151910	49.107	ug/l	97
22) Diisopropyl ether	3.55	45	569419	52.028	ug/l	98
23) Vinyl Acetate	3.50	43	2340083	262.491	ug/l	98
24) 1,1-Dichloroethane	3.42	63	322325	49.316	ug/l	100
25) 2-Butanone	4.24	43	735340	260.763	ug/l	99
26) 2,2-Dichloropropane	4.20	77	260754	49.604	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	193646	51.542	ug/l	97
28) Bromochloromethane	4.52	49	150445	50.044	ug/l	96
29) Tetrahydrofuran	4.61	42	452588	263.752	ug/l	98
30) Chloroform	4.65	83	328185	49.399	ug/l	100
31) Cyclohexane	4.97	56	224942	47.043	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	270330	50.894	ug/l	99
36) 1,1-Dichloropropene	5.12	75	209920	49.415	ug/l	100
37) Ethyl Acetate	4.36	43	256778	51.125	ug/l	100
38) Carbon Tetrachloride	5.11	117	225742	49.769	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	225182	49.587	ug/l	99
40) Benzene	5.37	78	692945	50.552	ug/l	99
41) Methacrylonitrile	4.52	41	143420	53.608	ug/l	99
42) 1,2-Dichloroethane	5.38	62	236561	49.707	ug/l	100
43) Isopropyl Acetate	5.53	43	402488	51.369	ug/l	99
44) Trichloroethene	6.16	130	191721	50.544	ug/l	99
45) 1,2-Dichloropropane	6.41	63	202585	50.554	ug/l	98
46) Dibromomethane	6.54	93	129985	51.676	ug/l	99
47) Bromodichloromethane	6.73	83	264864	51.155	ug/l	100
48) Methyl methacrylate	6.60	41	187853	50.479	ug/l	97
49) 1,4-Dioxane	6.60	88	90170	1109.622	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	1399117	257.973	ug/l	99
52) Toluene	7.62	92	444580	51.703	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	280943	52.343	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	310495	52.708	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	200591	51.374	ug/l	98
56) Ethyl methacrylate	8.00	69	284951	48.157	ug/l	98
57) 1,3-Dichloropropane	8.22	76	323981	50.958	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	508491	253.143	ug/l	98
59) 2-Hexanone	8.34	43	1061024	261.875	ug/l	98
60) Dibromochloromethane	8.45	129	221789	52.959	ug/l	99
61) 1,2-Dibromoethane	8.57	107	200954	52.584	ug/l	99
64) Tetrachloroethene	8.21	164	165162	49.832	ug/l	97
65) Chlorobenzene	9.10	112	510940	52.715	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	194215	52.505	ug/l	99
67) Ethyl Benzene	9.23	91	850302	53.655	ug/l	99
68) m/p-Xylenes	9.35	106	671969	112.602	ug/l	98
69) o-Xylene	9.76	106	324705	55.637	ug/l	99
70) Styrene	9.77	104	595132	58.162	ug/l	99
71) Bromoform	9.94	173	176462	55.045	ug/l #	99
73) Isopropylbenzene	10.14	105	893569	50.448	ug/l	100
74) N-amyl acetate	9.99	43	374015	52.458	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	344772	48.088	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	283233m	47.673	ug/l	
77) Bromobenzene	10.43	156	247891	50.052	ug/l	98
78) n-propylbenzene	10.57	91	1051597	51.407	ug/l	100
79) 2-Chlorotoluene	10.64	91	625579	50.120	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	798175	53.881	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	94008m	53.213	ug/l	
82) 4-Chlorotoluene	10.75	91	730421	50.852	ug/l	98
83) tert-Butylbenzene	11.08	119	772079	52.099	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	809707	54.300	ug/l	99
85) sec-Butylbenzene	11.30	105	926229	52.942	ug/l	100
86) p-Isopropyltoluene	11.45	119	877539	54.344	ug/l	99
87) 1,3-Dichlorobenzene	11.39	146	465830	51.544	ug/l	99
88) 1,4-Dichlorobenzene	11.48	146	474412	50.328	ug/l	99
89) n-Butylbenzene	11.86	91	770033	54.873	ug/l	100
90) Hexachloroethane	12.12	117	132203	51.172	ug/l	96
91) 1,2-Dichlorobenzene	11.85	146	470472	52.970	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.63	75	73094	55.480	ug/l	98

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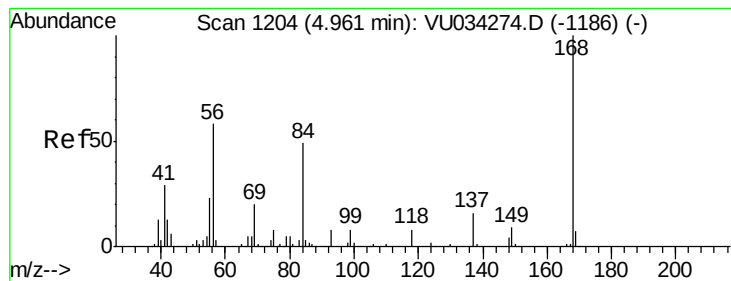
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	333655	51.672	ug/l	99
94) Hexachlorobutadiene	13.67	225	154720	49.799	ug/l	99
95) Naphthalene	13.72	128	909595	50.132	ug/l	100
96) 1,2,3-Trichlorobenzene	13.96	180	332553	53.267	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 269805

Ion Ratio Lower Upper

168 100

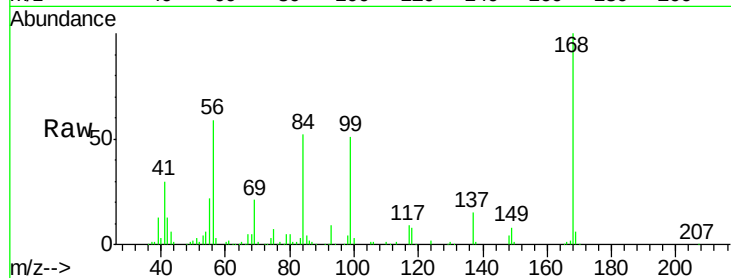
99 50.7 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

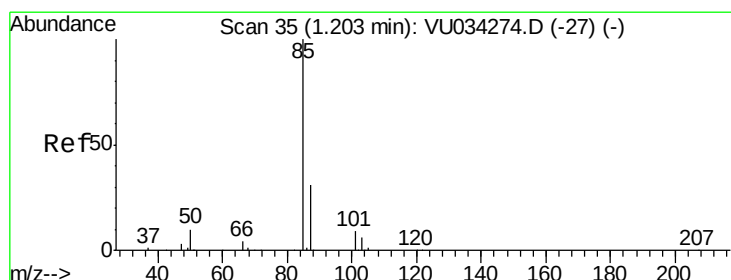
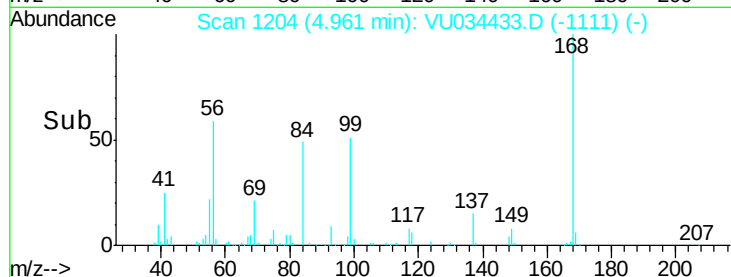
4.96

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.035 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034433.D

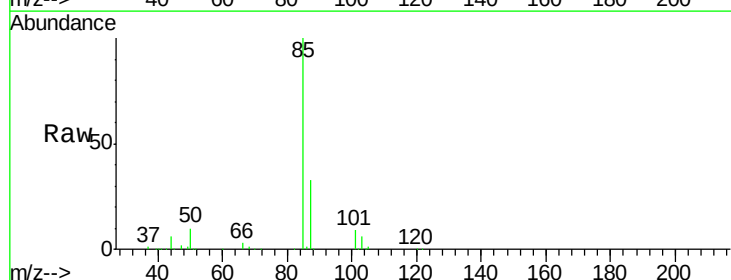
Acq: 09 Sep 2019 15:09

Tgt Ion: 85 Resp: 129900

Ion Ratio Lower Upper

85 100

87 33.0 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

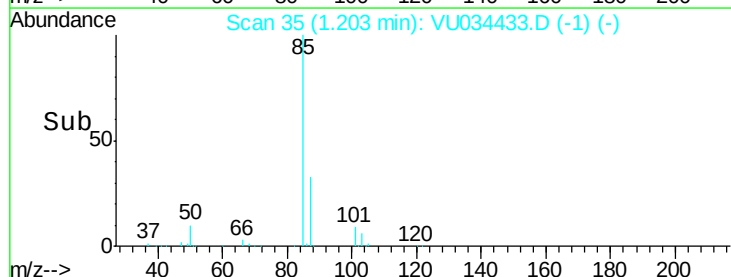
150000

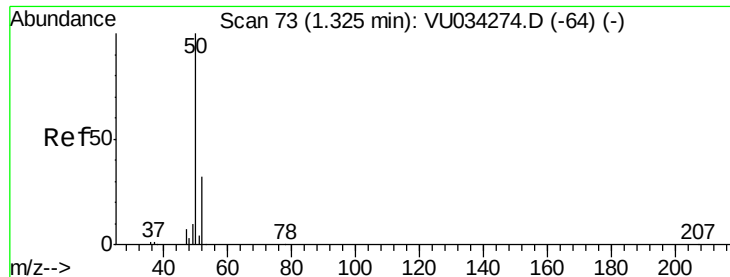
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.281 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 144154

Ion Ratio Lower Upper

50 100

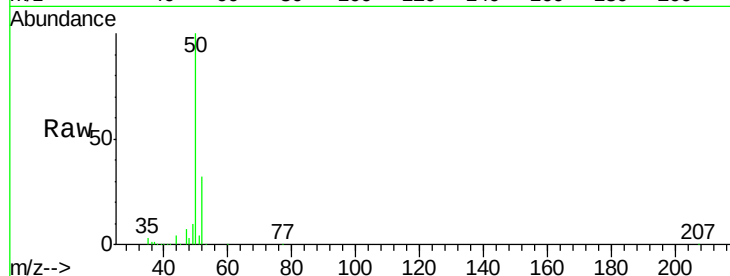
52 32.4 25.8 38.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.32

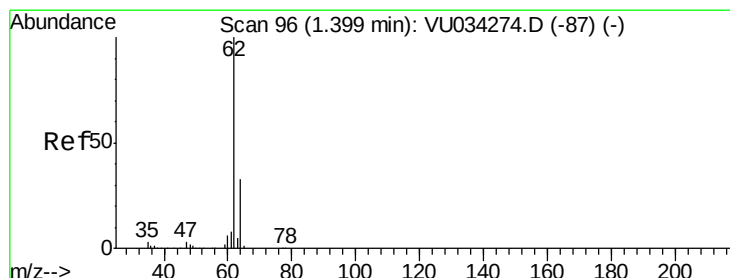
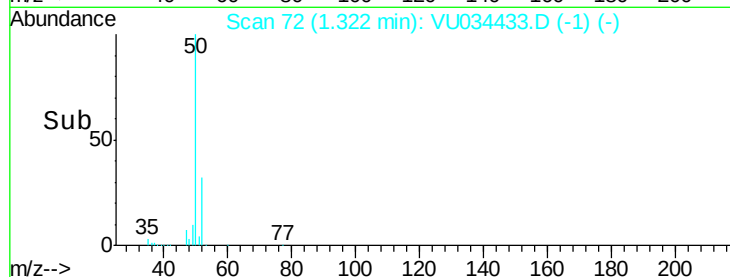
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.340 ug/l

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034433.D

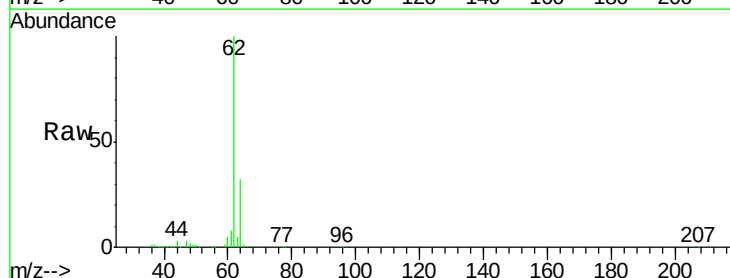
Acq: 09 Sep 2019 15:09

Tgt Ion: 62 Resp: 162944

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

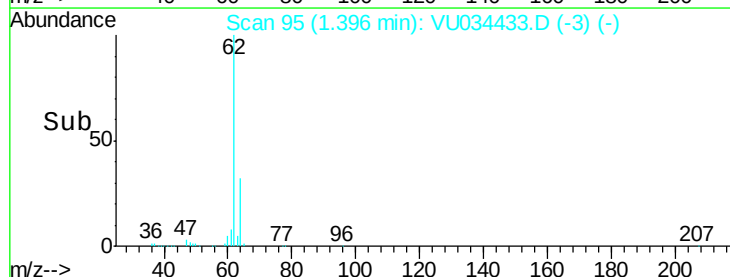
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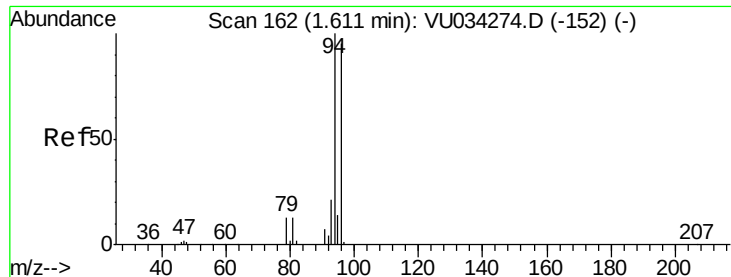
100000

50000

0

Time-->





#5

Bromomethane

Concen: 54.935 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 97287

Ion Ratio Lower Upper

94 100

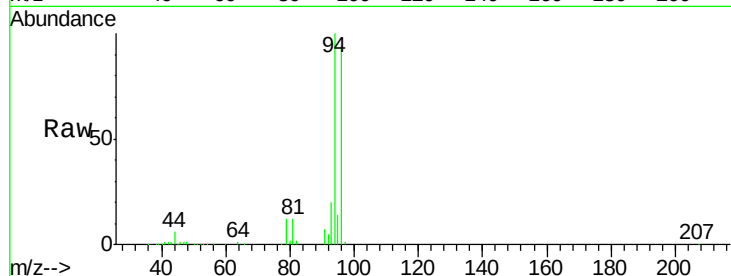
96 93.9 75.7 113.5

Manual Integrations

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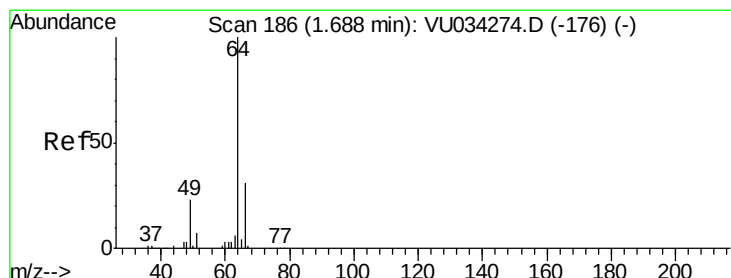
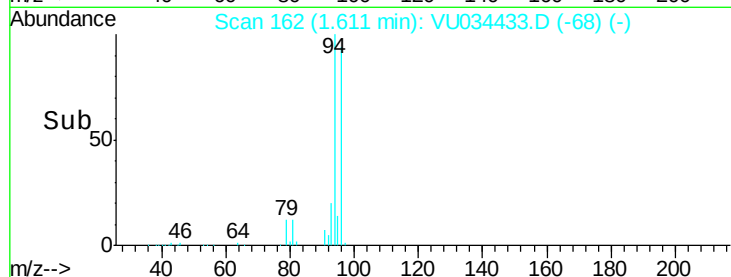
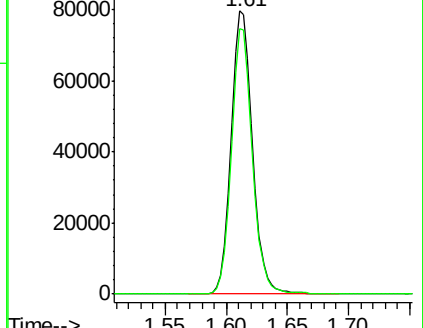
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Abundance Ion 93.90 (93.60 to 94.60): VU034433.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034433.D (-68) (-)



#6

Chloroethane

Concen: 51.048 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034433.D

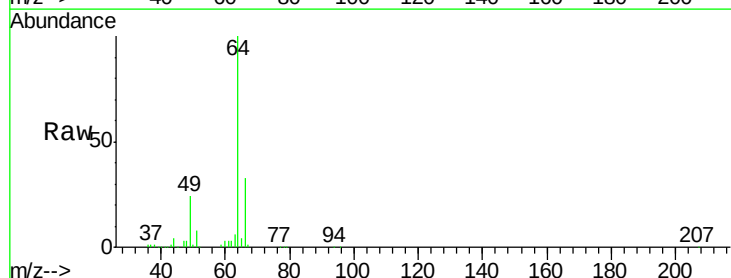
Acq: 09 Sep 2019 15:09

Tgt Ion: 64 Resp: 104286

Ion Ratio Lower Upper

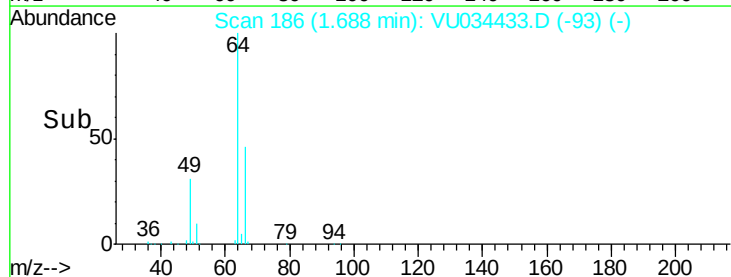
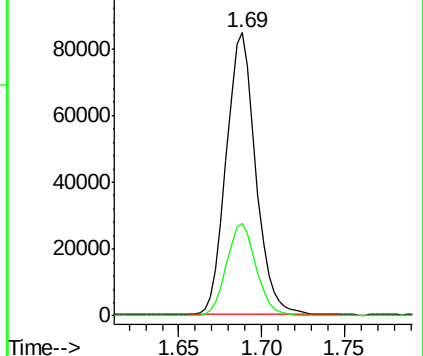
64 100

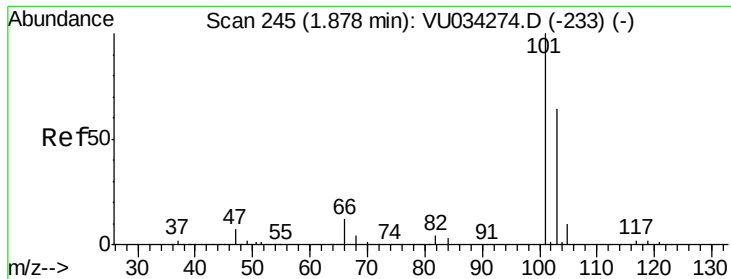
66 32.8 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034433.D (-93) (-)

Ion 65.90 (65.60 to 66.60): VU034433.D (-93) (-)





#7

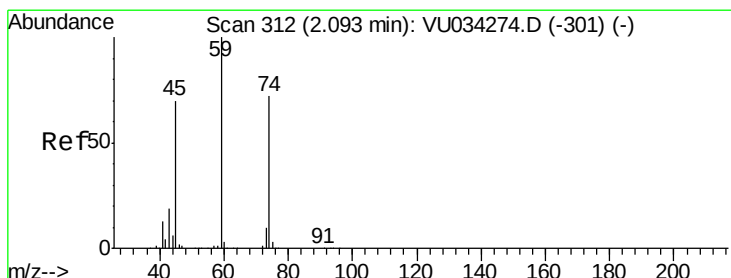
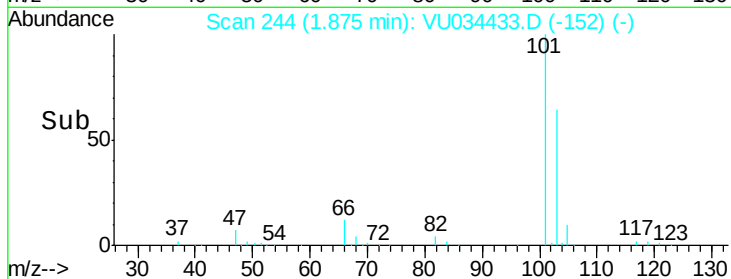
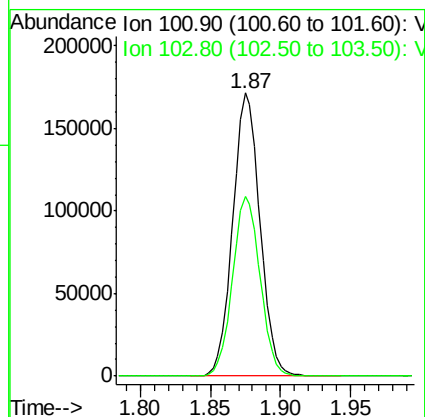
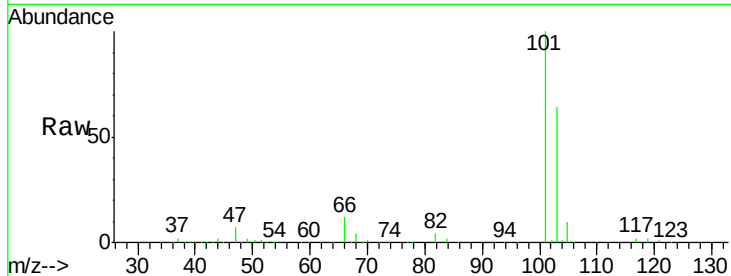
Trichlorofluoromethane
Concen: 49.280 ug/l
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.0	76.6

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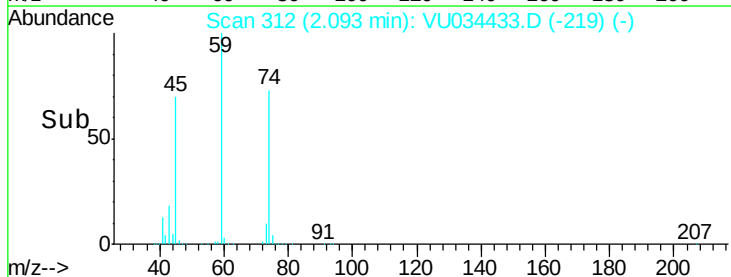
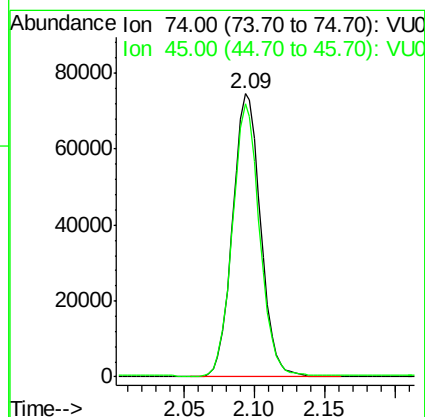
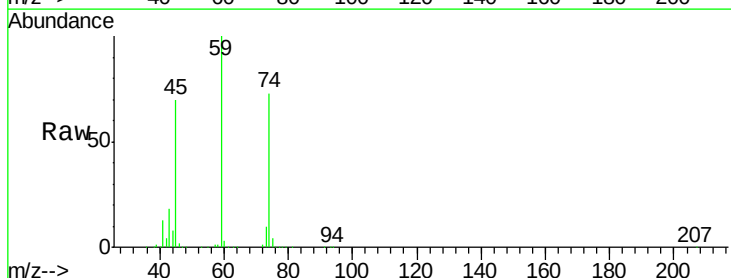
MMDadoda
9/10/2019 4:17:58 PM

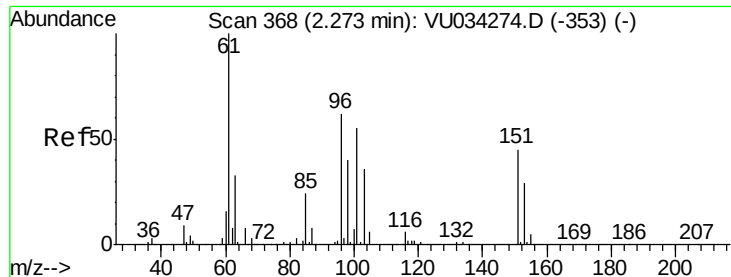


#8

Diethyl Ether
Concen: 50.056 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.881 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

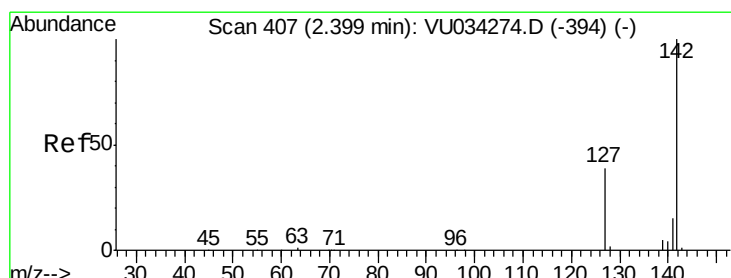
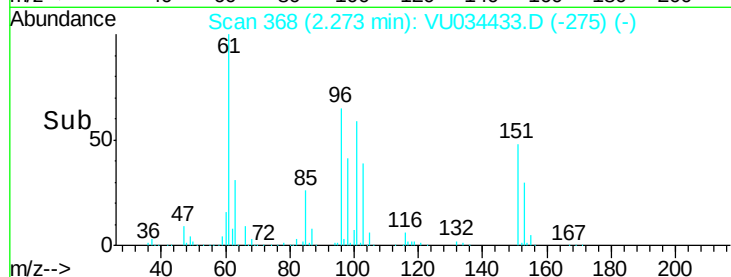
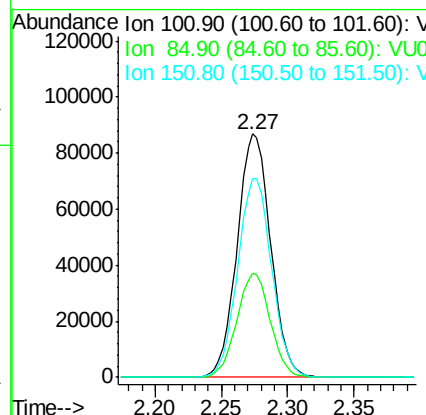
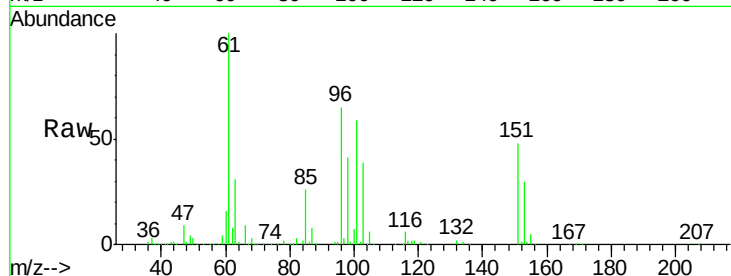
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	152640
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.4	51.6
151	82.8	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 43.793 ug/l

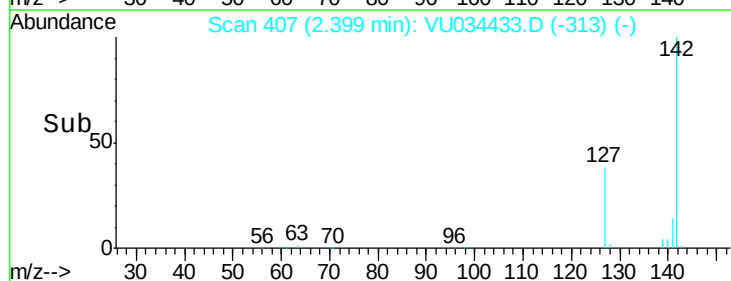
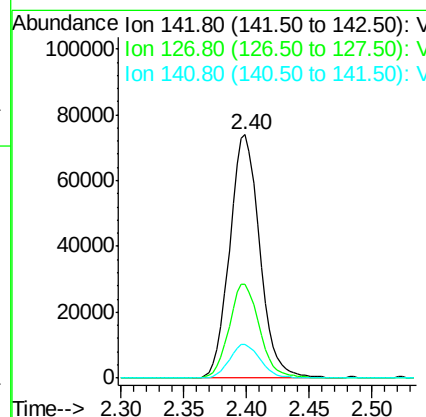
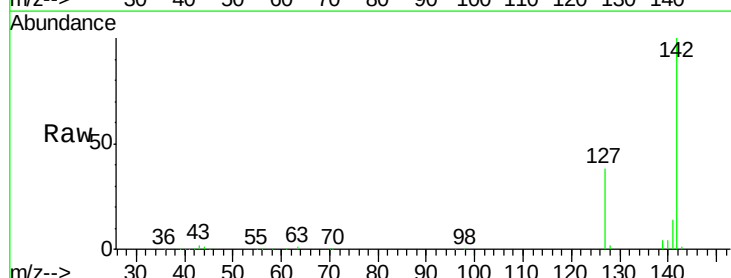
RT: 2.40 min Scan# 407

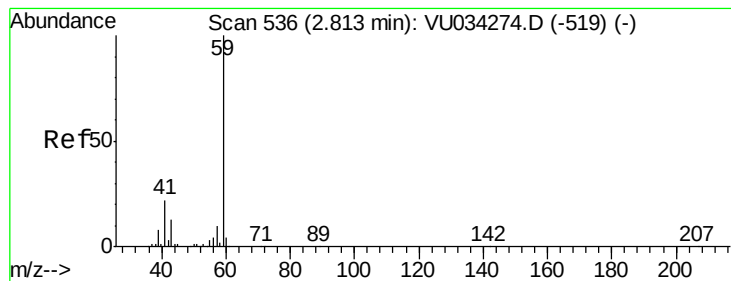
Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Tgt Ion:	142	Resp:	123634
Ion Ratio	Lower	Upper	
142	100		
127	39.1	32.1	48.1
141	14.2	11.5	17.3





#11

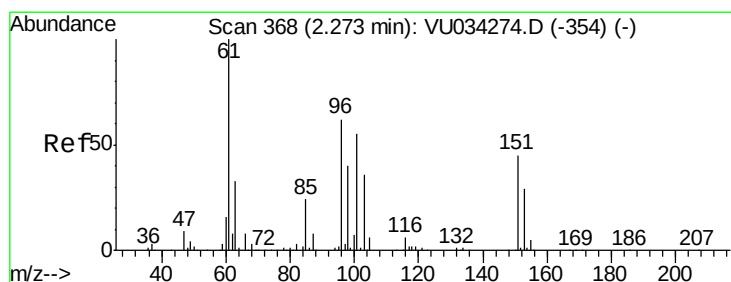
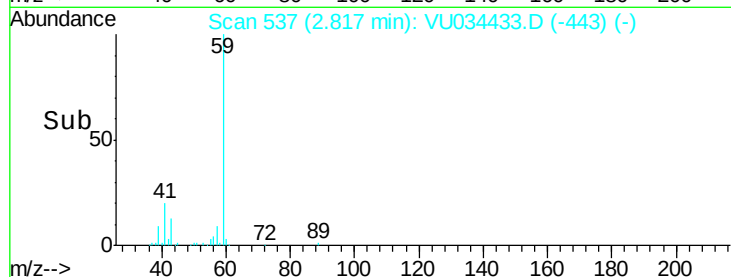
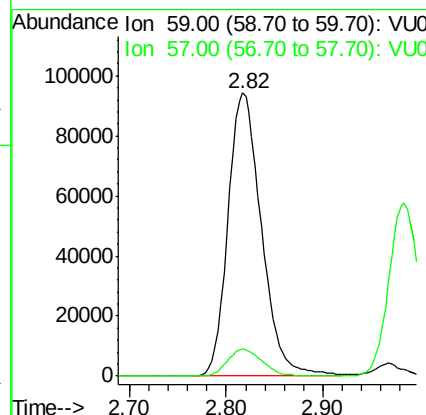
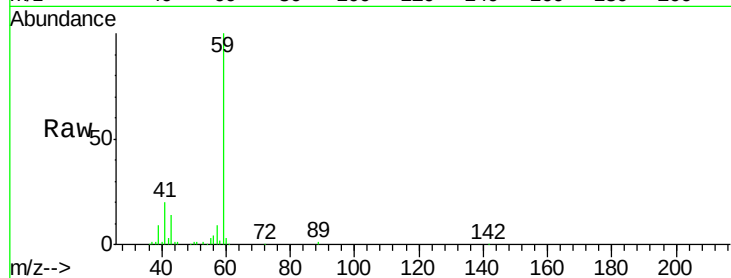
Tert butyl alcohol
Concen: 262.849 ug/l
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.9	11.9

Manual Integrations
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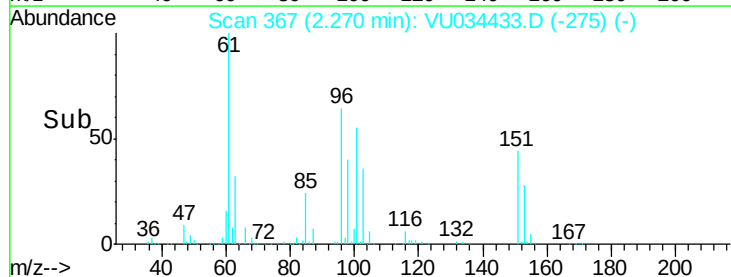
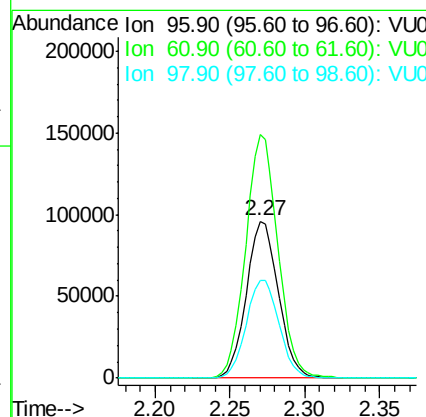
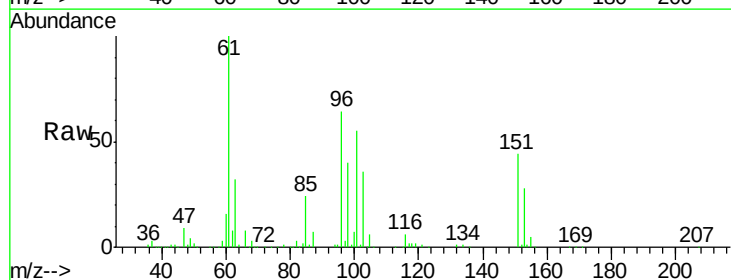
MMDadoda
9/10/2019 4:17:58 PM

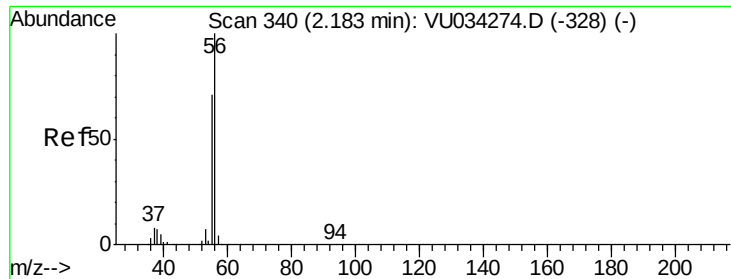


#12

1,1-Dichloroethene
Concen: 48.820 ug/l
RT: 2.27 min Scan# 367
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	130.0	195.0
98	62.2	52.2	78.4





#13

Acrolein

Concen: 198.444 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 143844

Ion Ratio Lower Upper

56 100

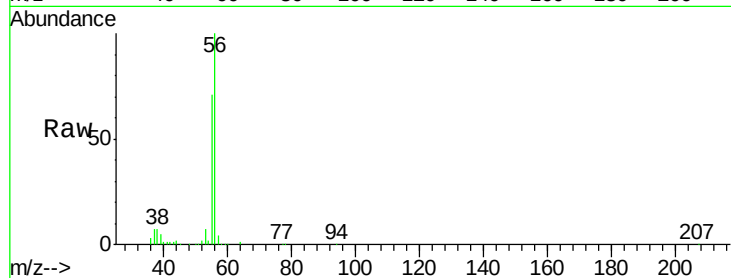
55 72.2 57.4 86.2

Manual Integrations

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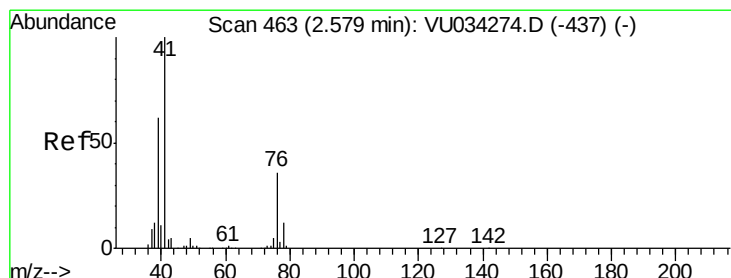
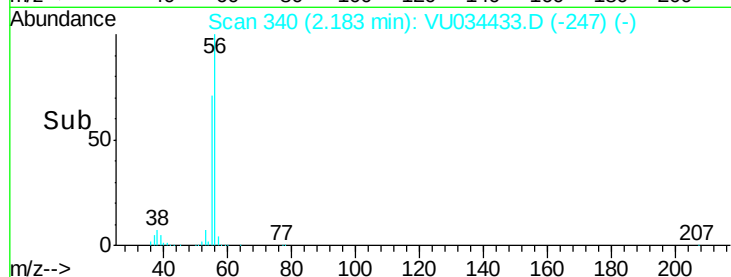
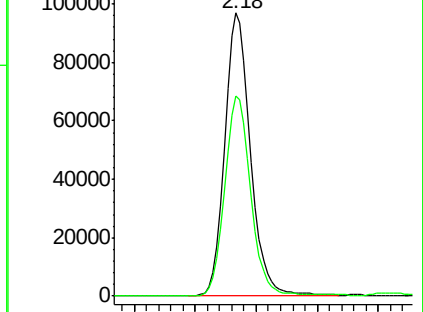
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Abundance Ion 56.00 (55.70 to 56.70): VU034433.D (-247) (-)

Ion 55.00 (54.70 to 55.70): VU034433.D (-247) (-)



#14

Allyl chloride

Concen: 47.579 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

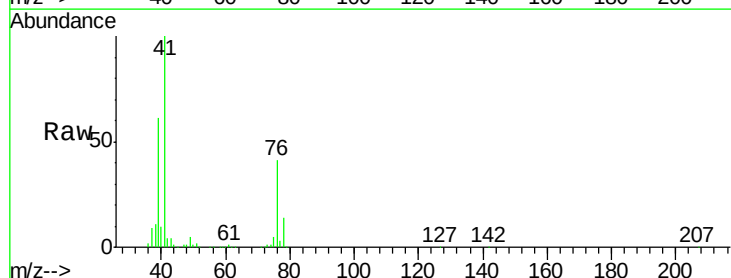
Tgt Ion: 41 Resp: 267020

Ion Ratio Lower Upper

41 100

39 54.0 43.5 65.3

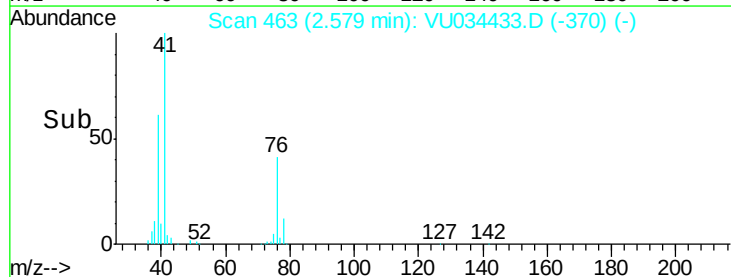
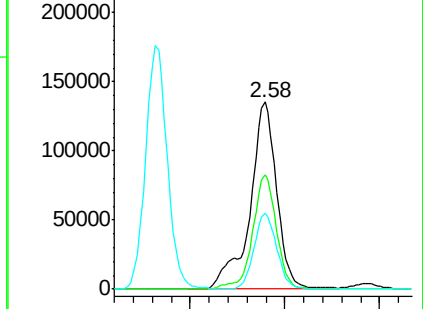
76 34.1 27.0 40.6

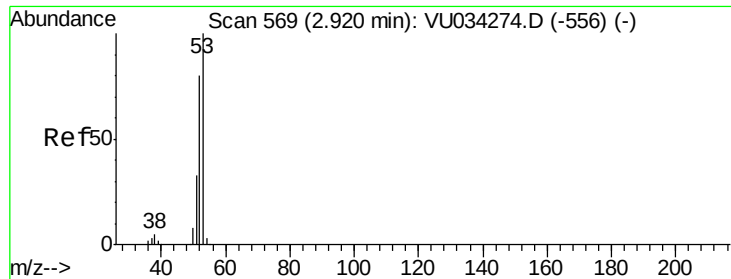


Abundance Ion 41.00 (40.70 to 41.70): VU034433.D (-370) (-)

Ion 39.00 (38.70 to 39.70): VU034433.D (-370) (-)

Ion 75.90 (75.60 to 76.60): VU034433.D (-370) (-)





#15

Acrylonitrile

Concen: 260.216 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

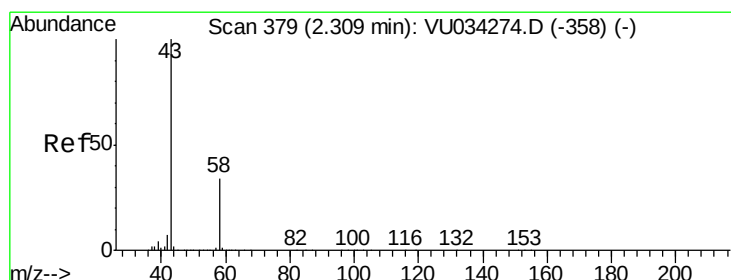
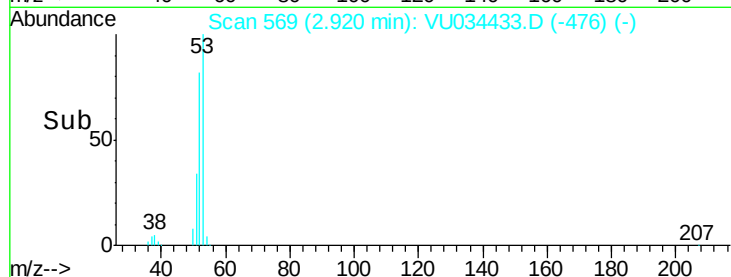
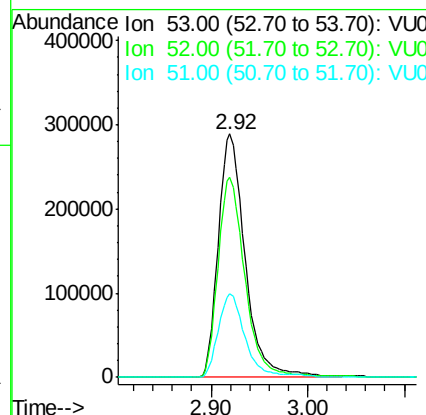
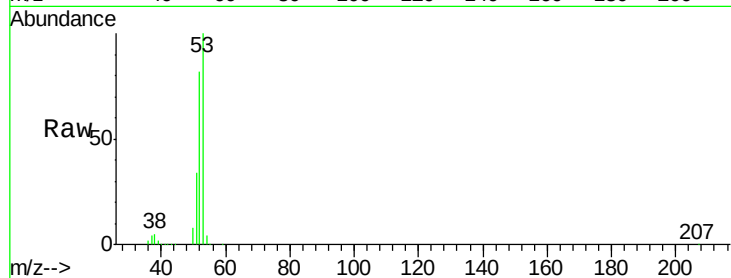
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	558851
Ion	Ratio	Lower	Upper
53	100		
52	82.0	64.1	96.1
51	34.8	27.4	41.0

Manual Integrations
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#16

Acetone

Concen: 229.131 ug/l

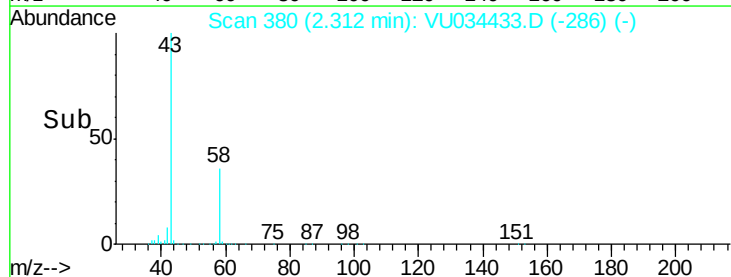
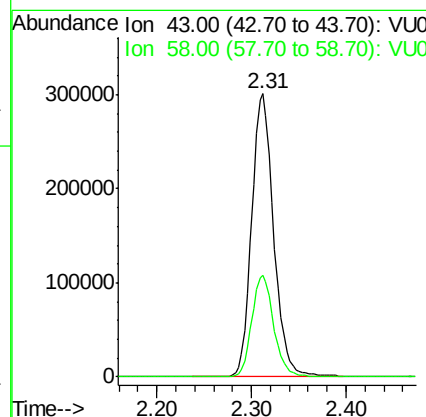
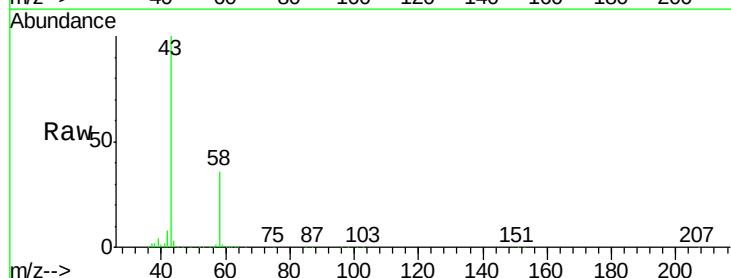
RT: 2.31 min Scan# 380

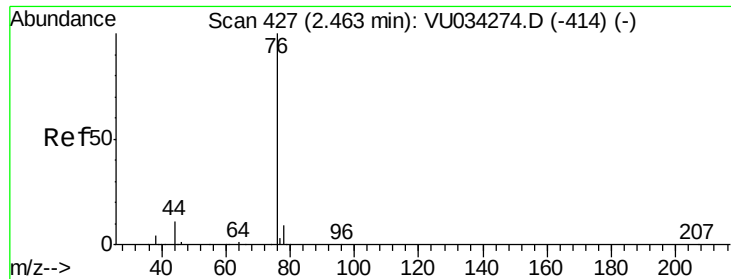
Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Tgt Ion:	43	Resp:	484047
Ion	Ratio	Lower	Upper
43	100		
58	35.9	27.6	41.4





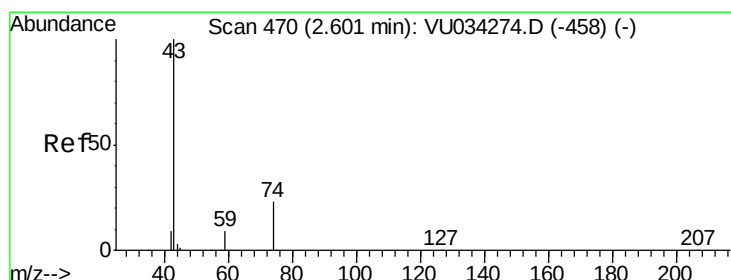
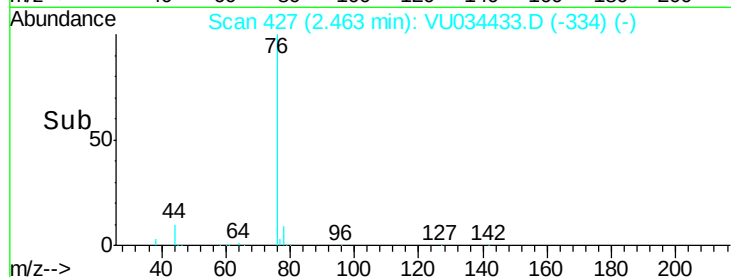
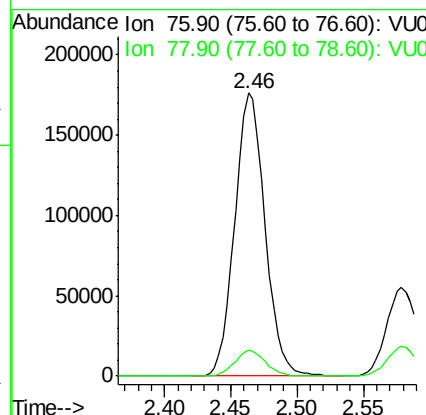
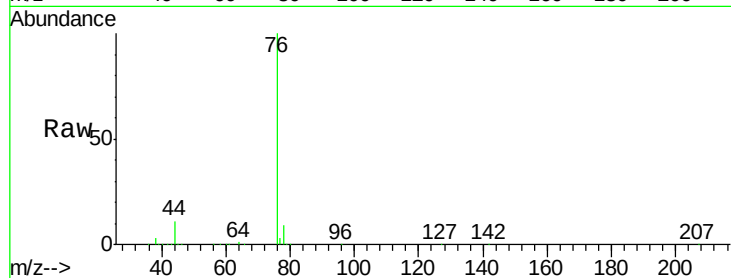
#17
Carbon Disulfide
Concen: 42.378 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

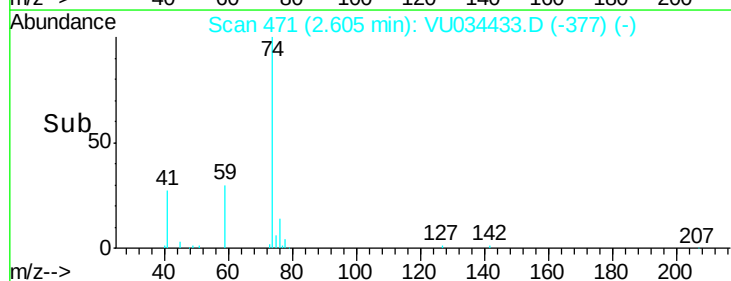
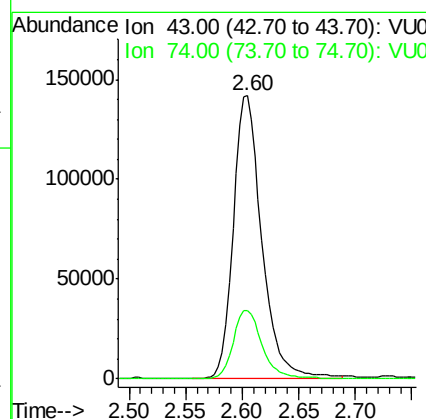
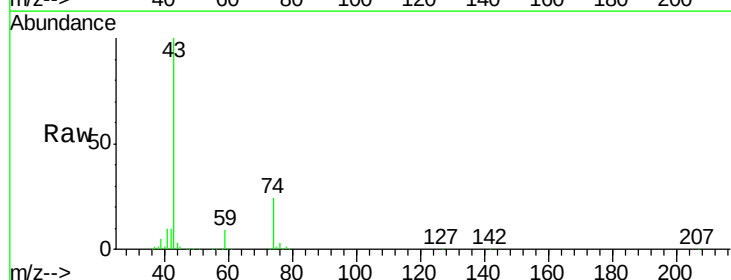
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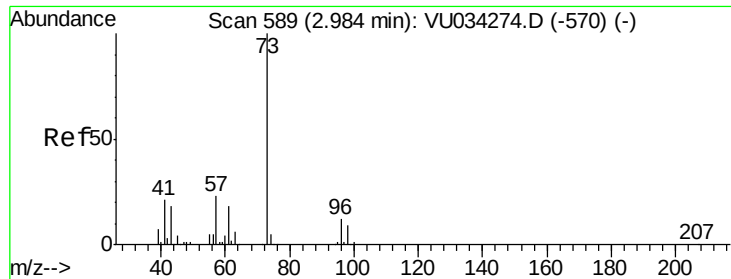
MMDadoda
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#18
Methyl Acetate
Concen: 47.981 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	18.9	28.3





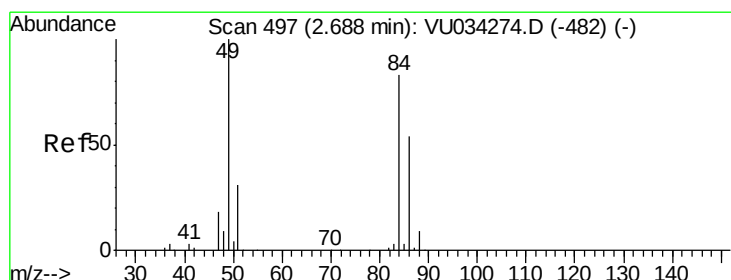
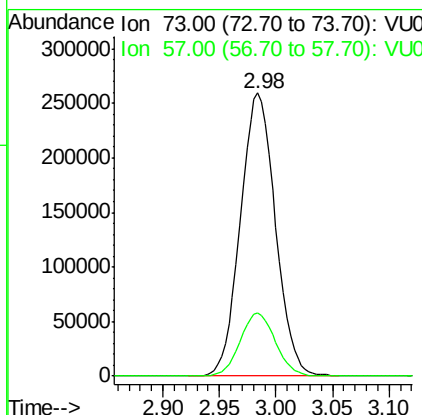
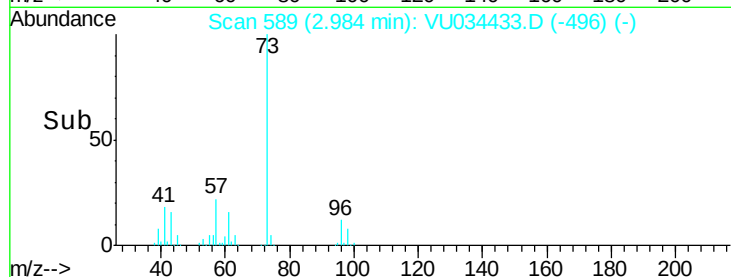
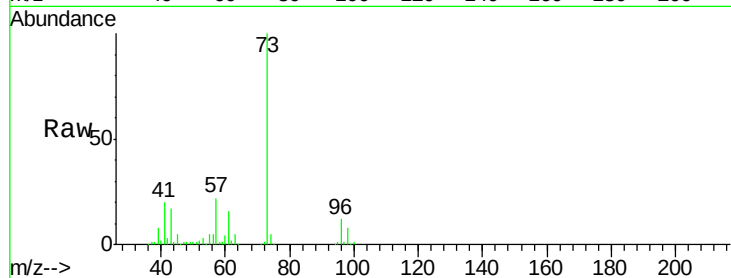
#19
Methvl tert-butyl Ether
Concen: 52.294 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 559523
Ion Ratio Lower Upper
73 100
57 22.2 18.2 27.4

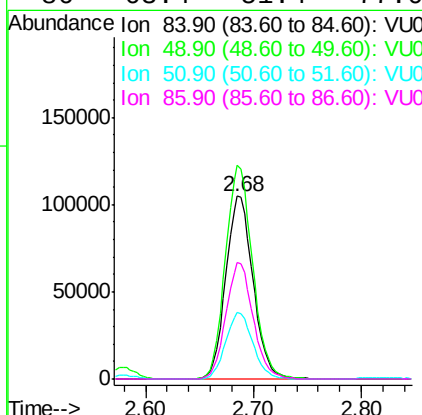
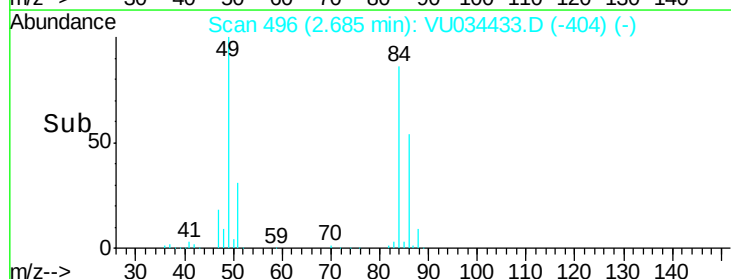
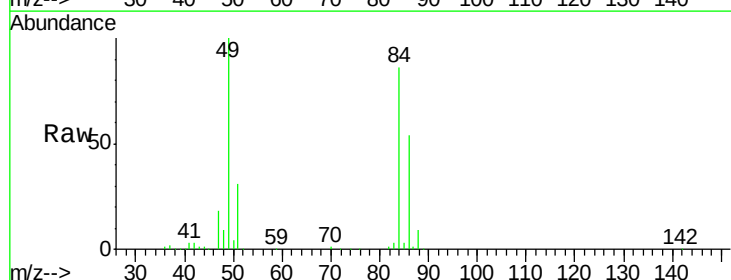
Manual Integrations
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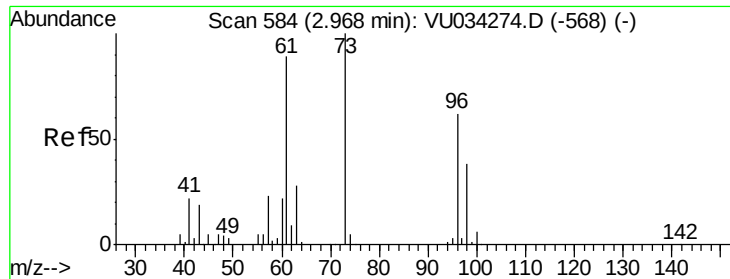
MMDadoda
9/10/2019 4:17:58 PM



#20
Methylene Chloride
Concen: 53.484 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion: 84 Resp: 184967
Ion Ratio Lower Upper
84 100
49 116.9 96.0 144.0
51 36.2 30.0 45.0
86 63.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 49.107 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 151910

Ion Ratio Lower Upper

96 100

61 139.1 114.8 172.2

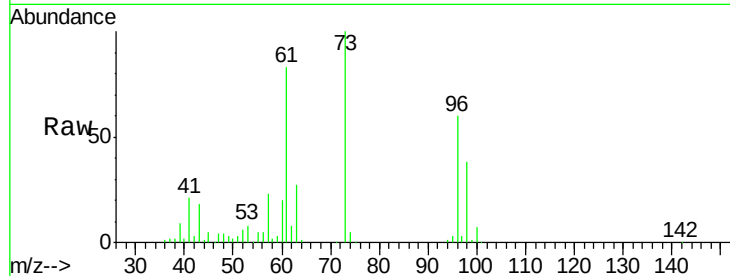
98 63.1 49.8 74.8

Manual Integrations

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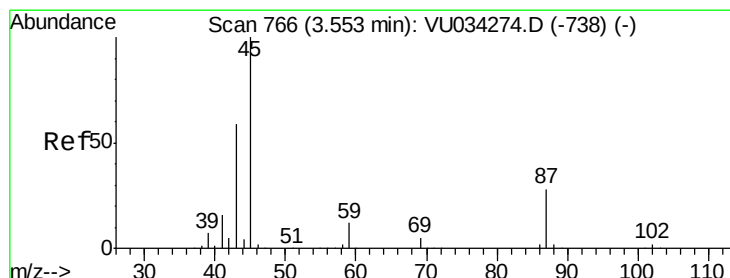
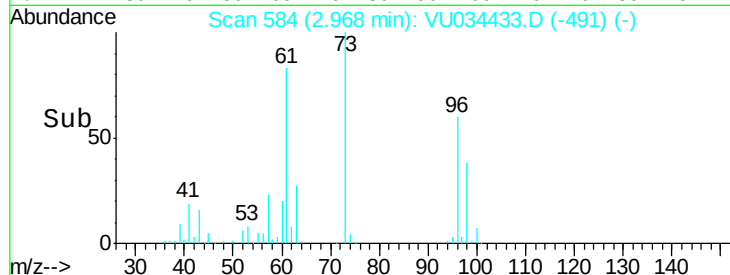
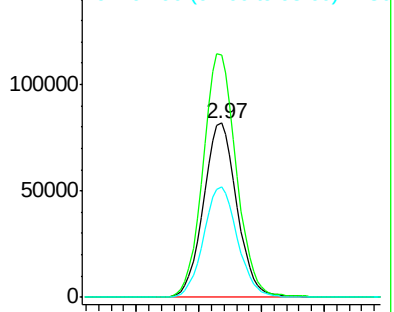


Abundance

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: 52.028 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Tgt Ion: 45 Resp: 569419

Ion Ratio Lower Upper

45 100

43 57.7 47.5 71.3

87 29.3 22.2 33.4

59 12.3 9.4 14.2

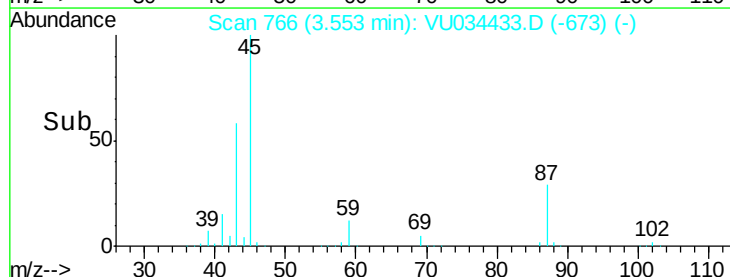
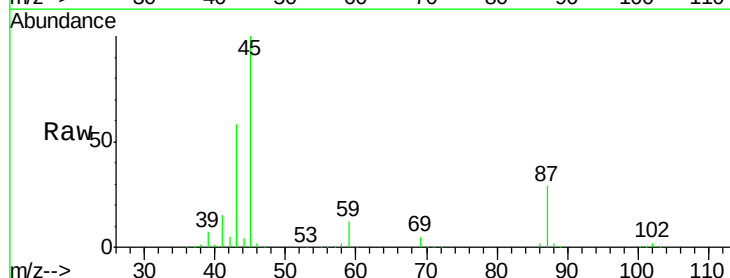
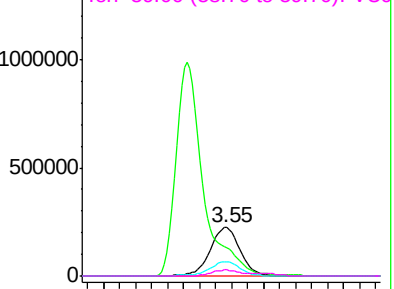
Abundance

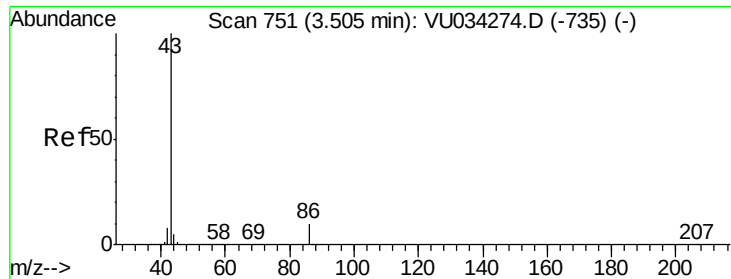
Ion 45.00 (44.70 to 45.70): VU0

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: 262.491 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Tot Ion: 43 Resp: 2340083

Ion Ratio Lower Upper

43 100

86 11.1 8.3 12.5

Instrument :

MSVOA_U

ClientSampleId :

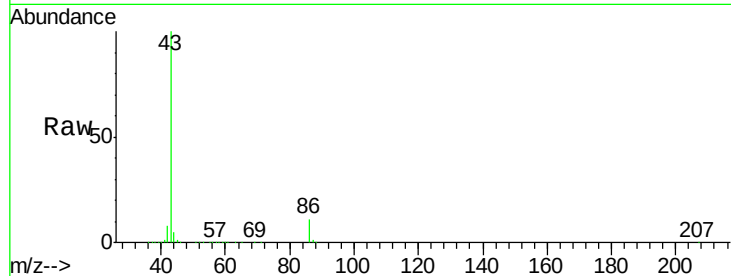
VSTDCCC050EC

Manual Integrations

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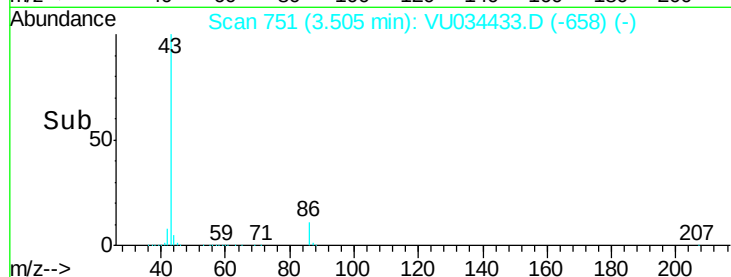
9/10/2019 4:17:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VU034433.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034433.D (-658) (-)

Time-->

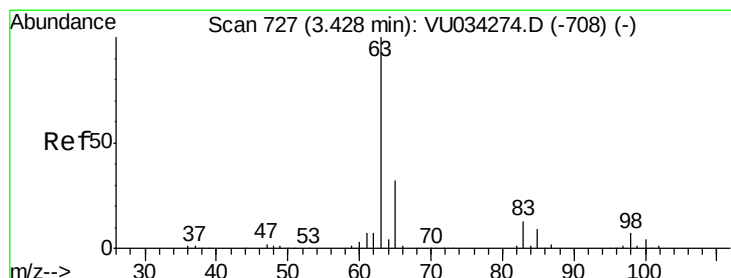


Abundance

Ion 43.00 (42.70 to 43.70): VU034433.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034433.D (-658) (-)

Time-->



#24

1,1-Dichloroethane

Concen: 49.316 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

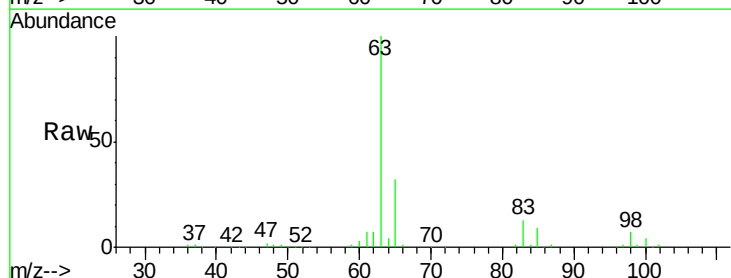
Tgt Ion: 63 Resp: 322325

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.4 2.1 6.5

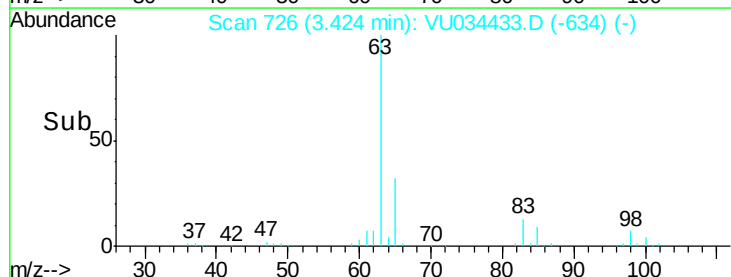


Abundance Ion 62.90 (62.60 to 63.60): VU034433.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034433.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034433.D (-634) (-)

Time-->



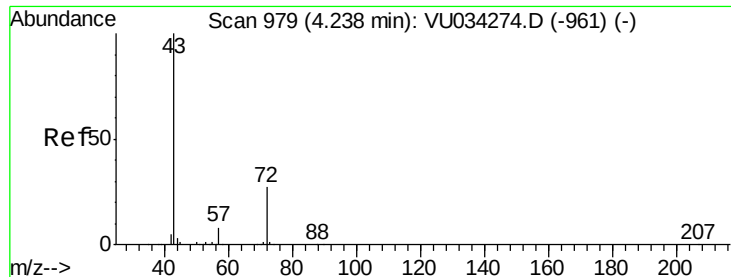
Abundance

Ion 62.90 (62.60 to 63.60): VU034433.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034433.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034433.D (-634) (-)

Time-->



#25

2-Butanone

Concen: 260.763 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 735340

Ion Ratio Lower Upper

43 100

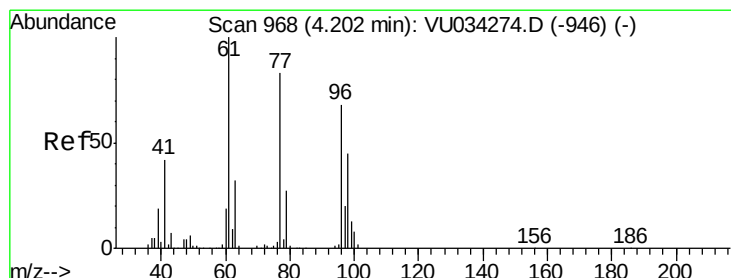
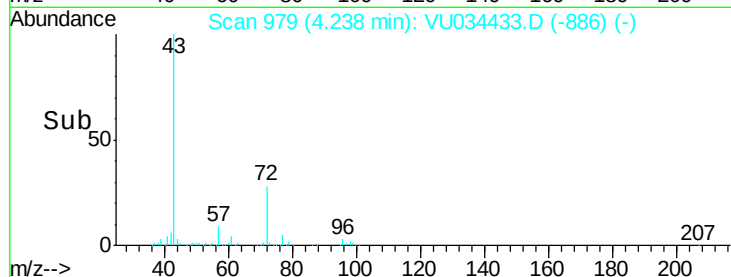
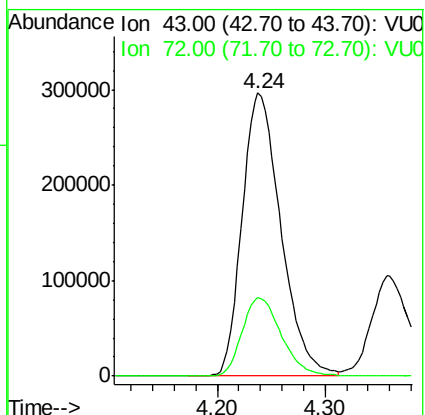
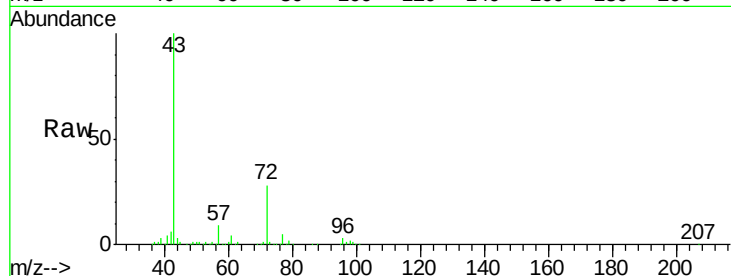
72 27.7 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.604 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034433.D

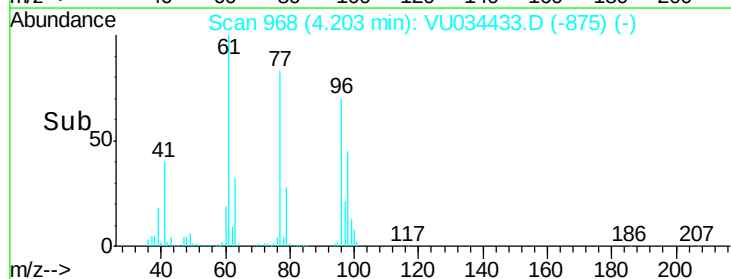
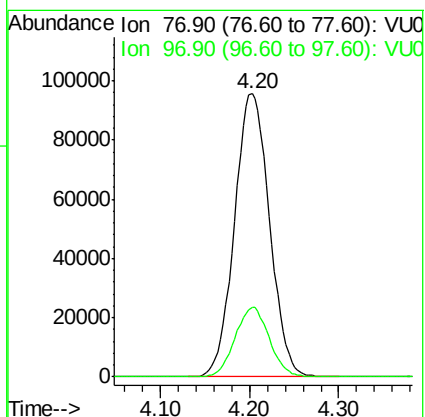
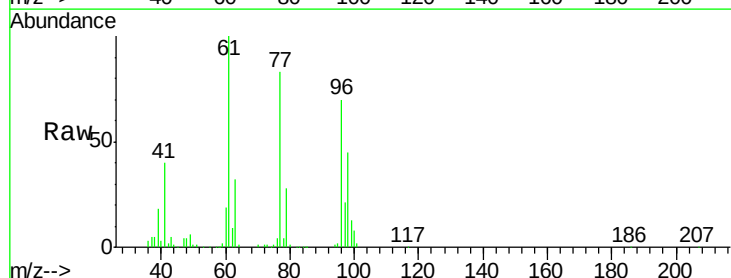
Acq: 09 Sep 2019 15:09

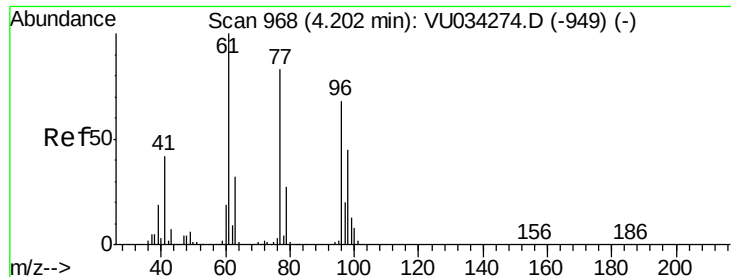
Tgt Ion: 77 Resp: 260754

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.3





#27

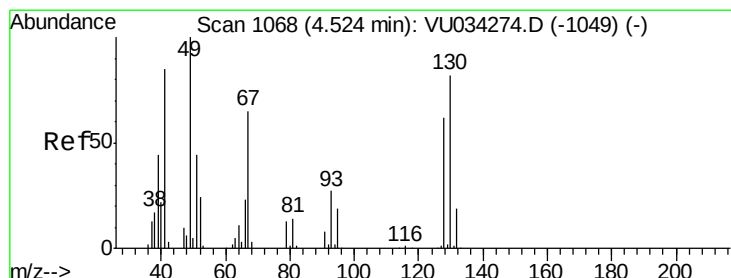
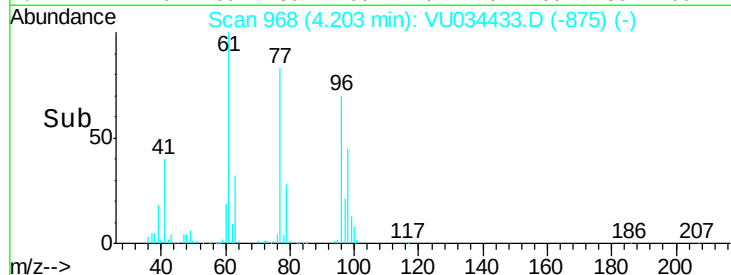
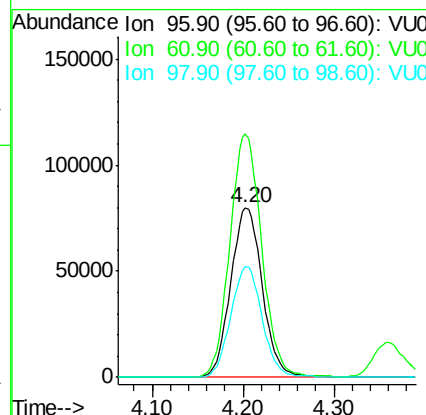
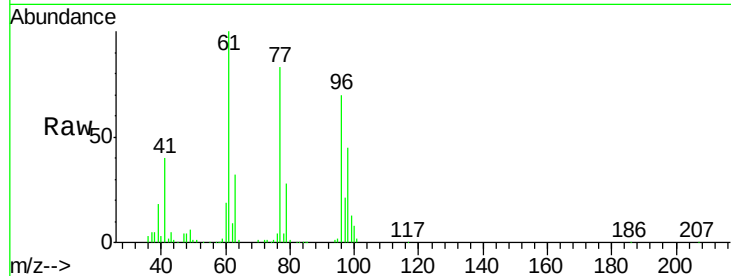
cis-1,2-Dichloroethene
Concen: 51.542 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.1	0.0	297.4	
98	64.8	0.0	130.0	

Manual Integrations
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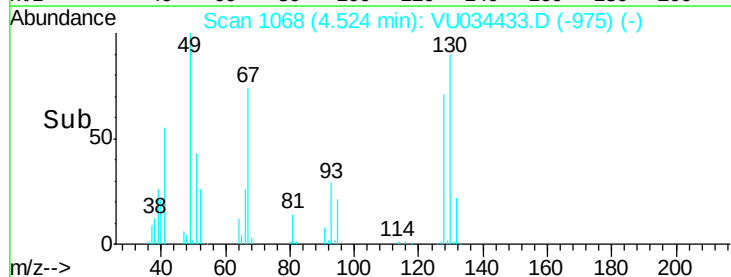
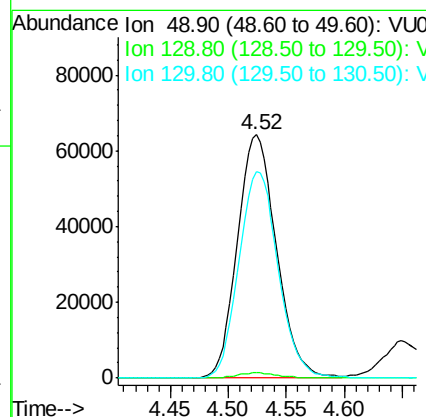
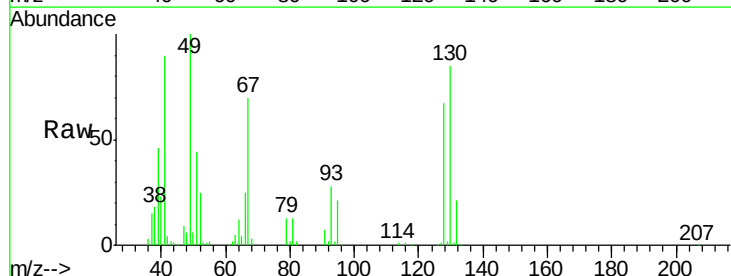
MMDadoda
9/10/2019 4:17:58 PM

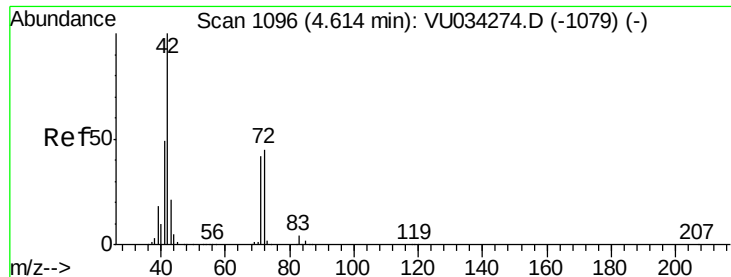


#28

Bromochloromethane
Concen: 50.044 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	3.8	
130	85.4	65.2	97.8	





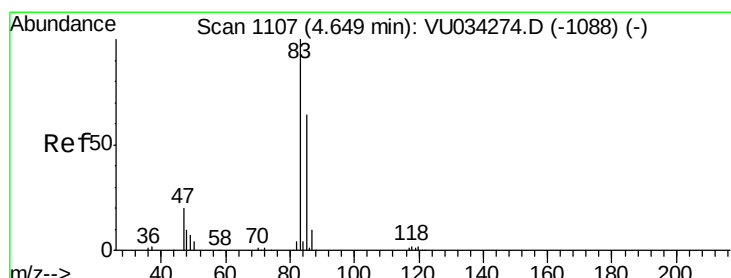
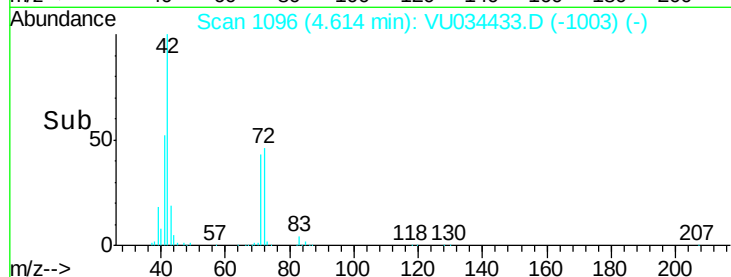
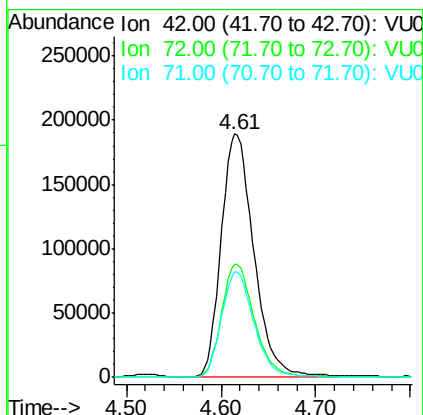
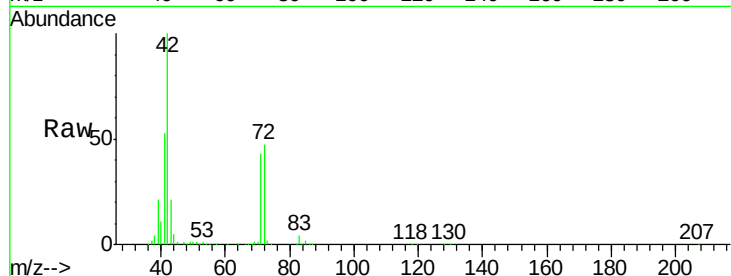
#29
Tetrahydrofuran
Concen: 263.752 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	36.6	54.8
71	43.5	34.3	51.5

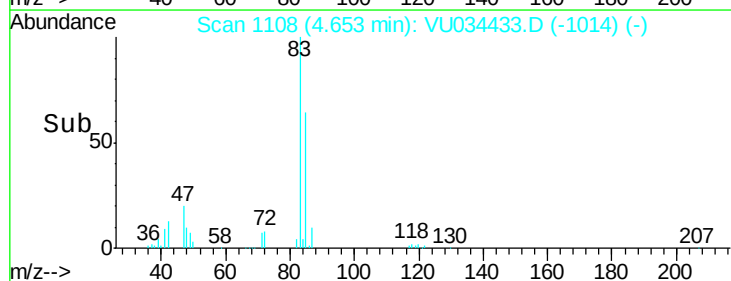
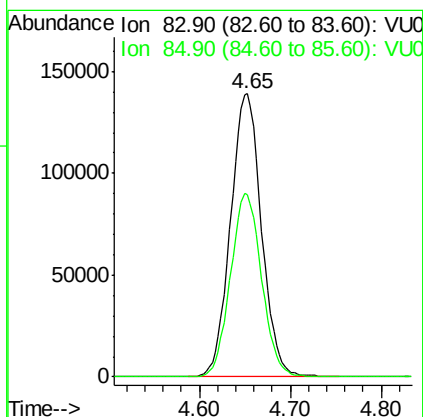
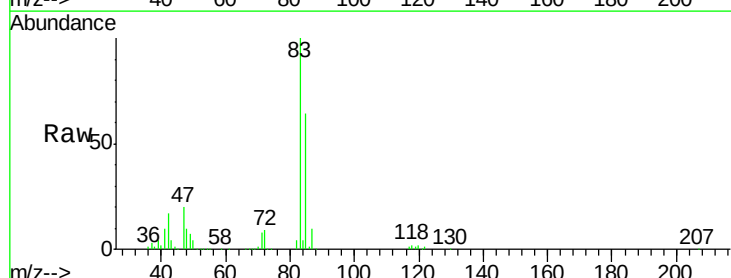
Manual Integrations
APPROVED

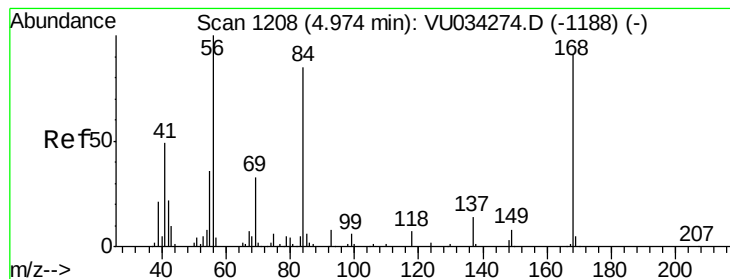
MMDadoda
9/10/2019 4:17:58 PM



#30
Chloroform
Concen: 49.399 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.5	77.3





#31

Cyclohexane

Concen: 47.043 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 224942

Ion Ratio Lower Upper

56 100

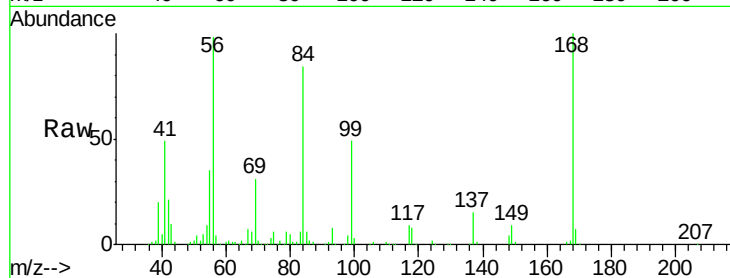
69 32.1 26.7 40.1

84 84.5 68.2 102.4

Manual Integrations
APPROVED

MMDadoda

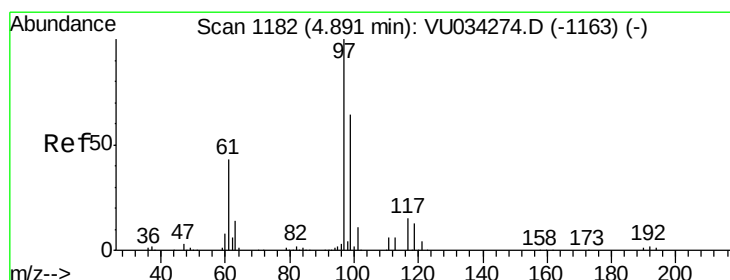
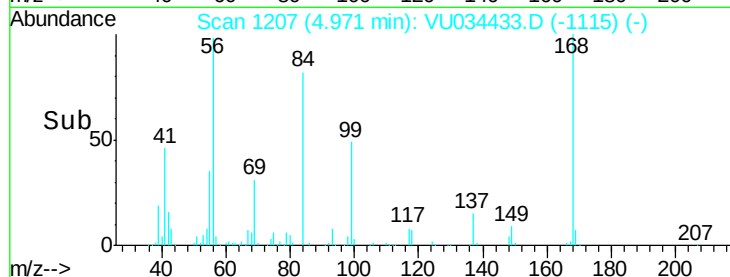
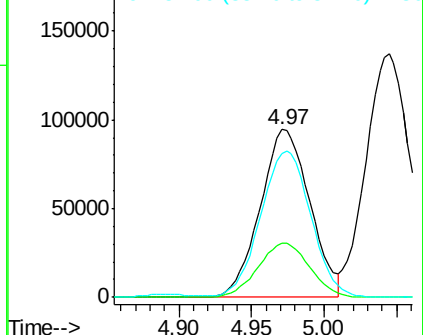
9/10/2019 4:17:58 PM



Abundance Ion 56.00 (55.70 to 56.70): VU034433.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034433.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034433.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 50.894 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

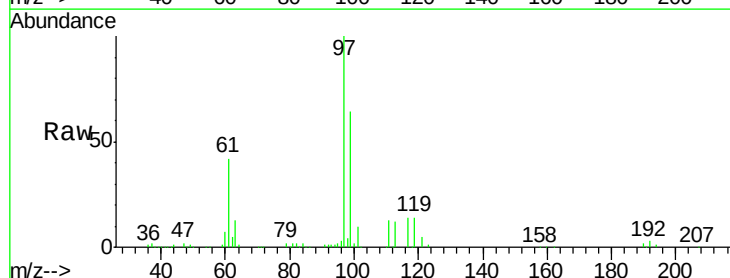
Tgt Ion: 97 Resp: 270330

Ion Ratio Lower Upper

97 100

99 63.5 50.9 76.3

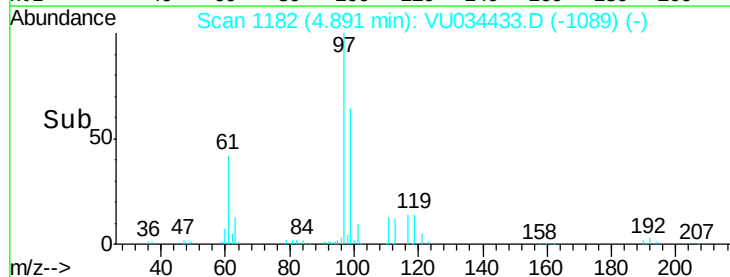
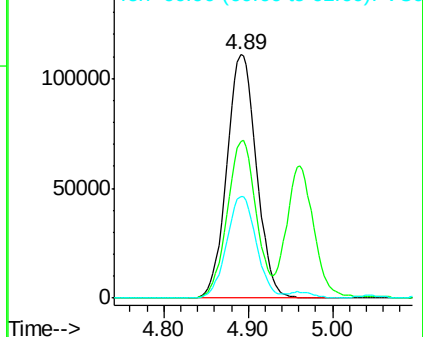
61 41.9 34.7 52.1

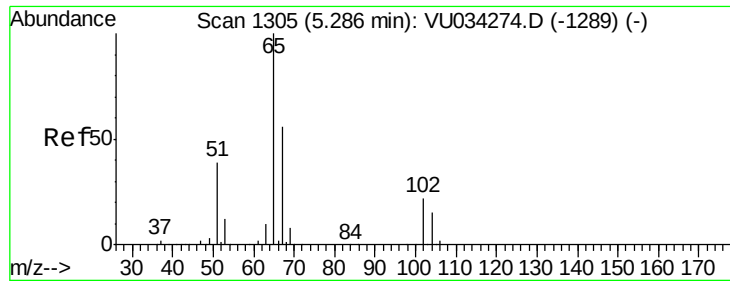


Abundance Ion 96.90 (96.60 to 97.60): VU034433.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU034433.D (-1089) (-)

Ion 60.90 (60.60 to 61.60): VU034433.D (-1089) (-)





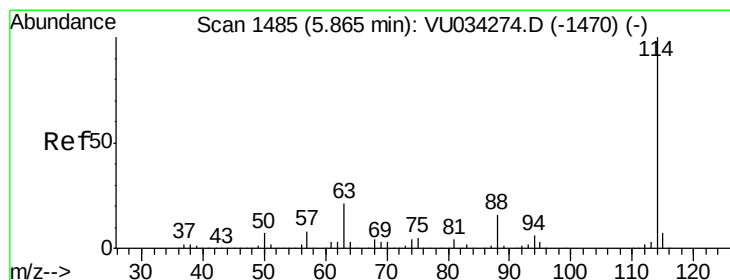
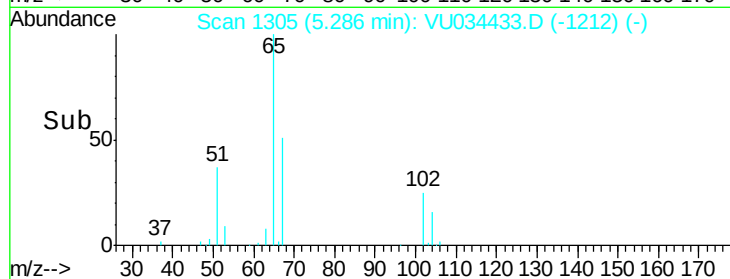
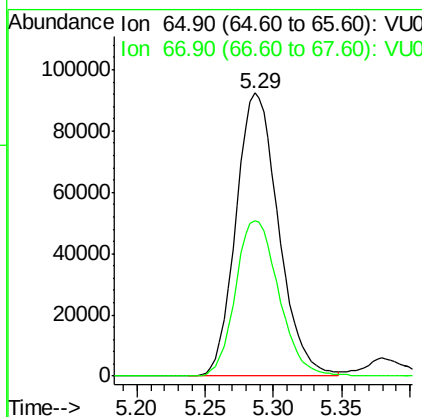
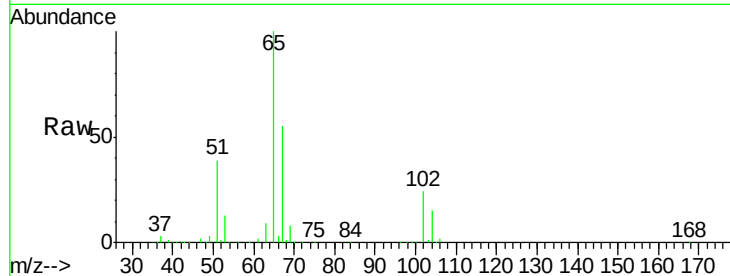
#33
 1,2-Dichloroethane-d4
 Concen: 49.125 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200539		
67	56.0	0.0	112.4	

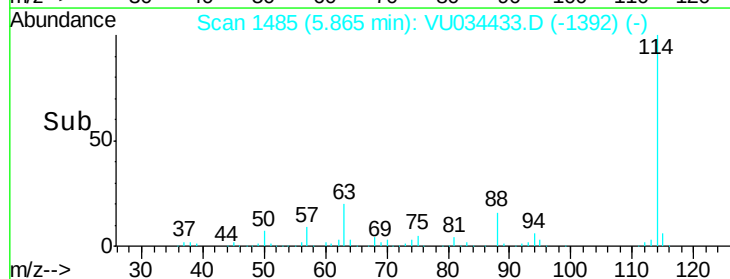
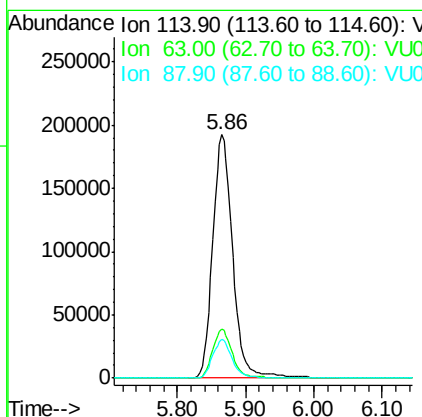
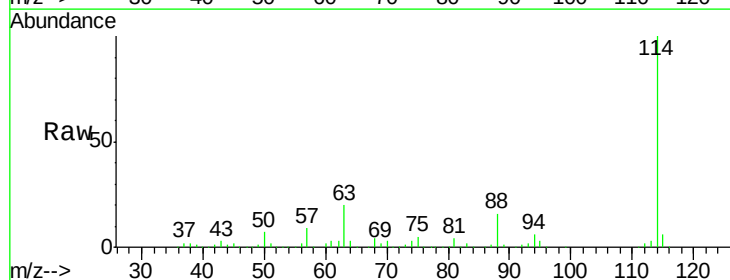
Manual Integrations
 APPROVED

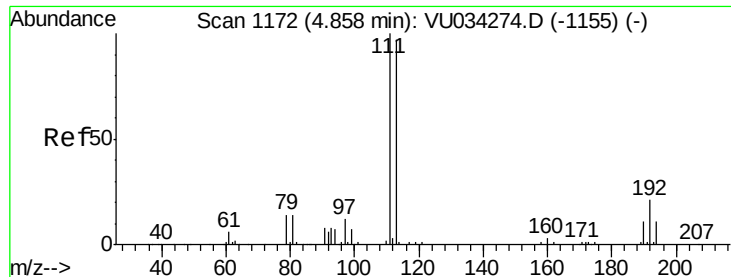
MMDadoda
 9/10/2019 4:17:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	391704		
63	20.0	0.0	42.4	
88	15.8	0.0	32.4	





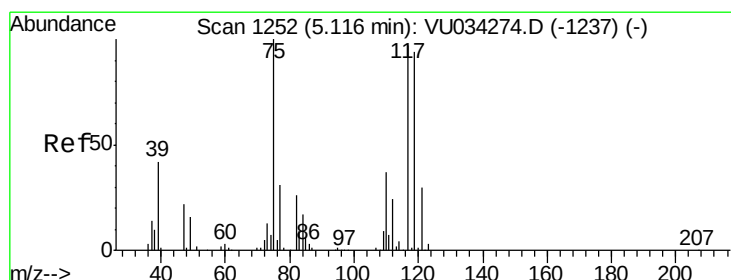
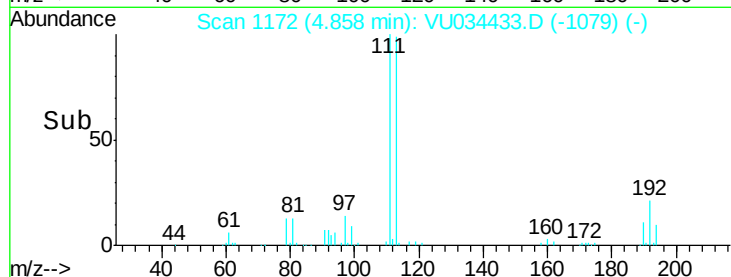
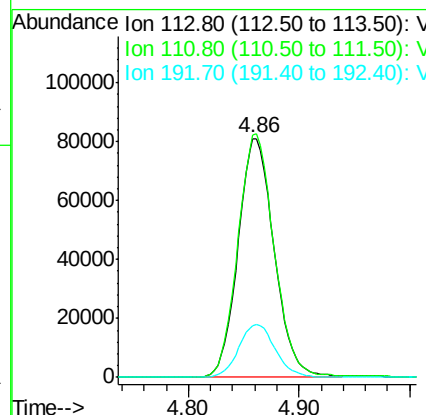
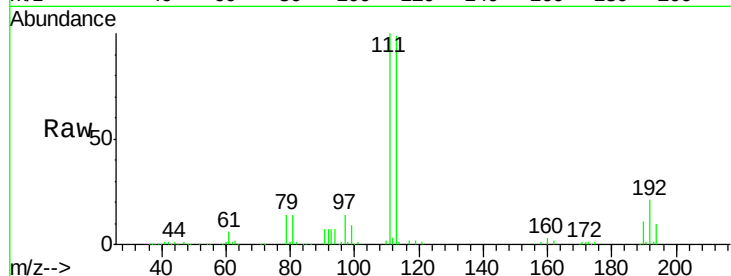
#35
 Dibromofluoromethane
 Concen: 50.506 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184084		
111	102.2	81.5	122.3	
192	22.4	17.8	26.8	

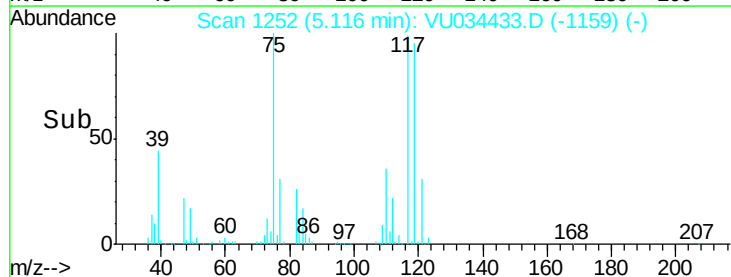
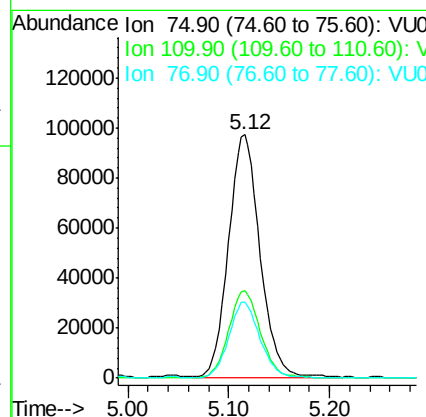
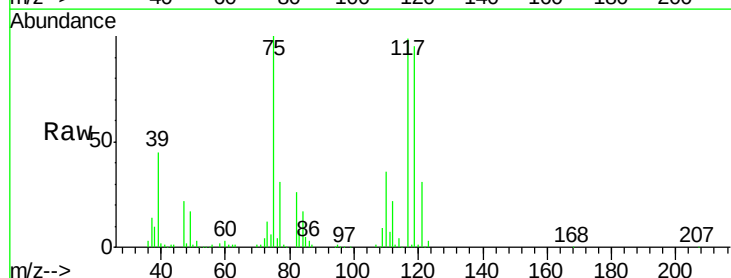
Manual Integrations
 APPROVED

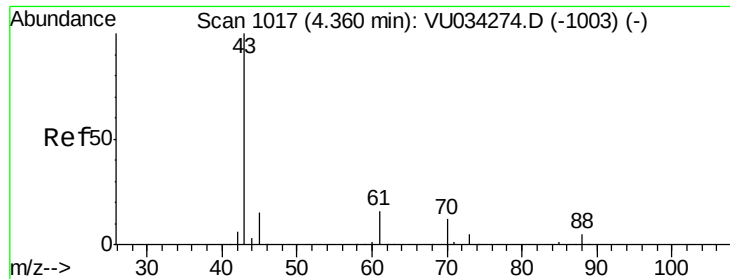
MMDadoda
 9/10/2019 4:17:58 PM



#36
 1,1-Dichloropropene
 Concen: 49.415 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	209920		
110	36.7	18.3	54.9	
77	30.8	24.9	37.3	





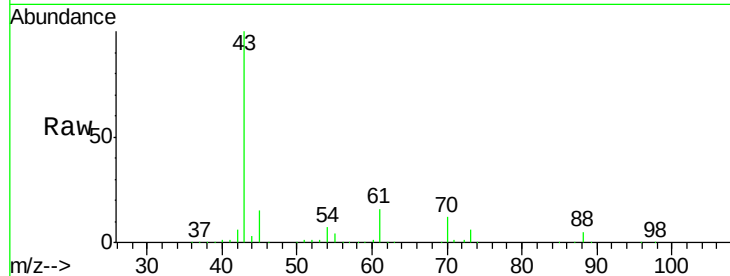
#37
Ethyl Acetate
Concen: 51.125 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.3	18.5
70	11.5	9.1	13.7

Manual Integrations
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MMDadoda
9/10/2019 4:17:58 PM

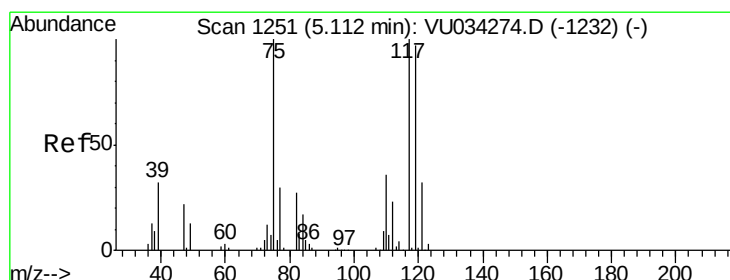
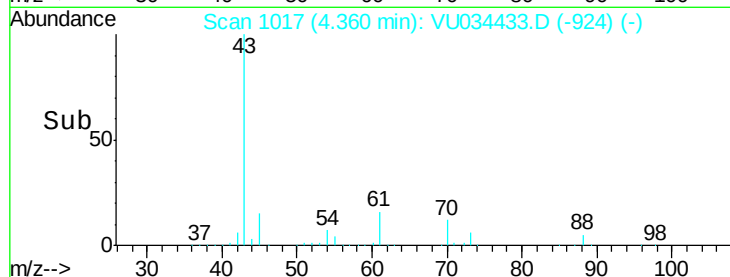
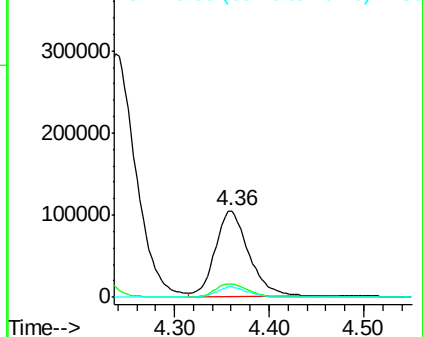


Abundance

Ion 43.00 (42.70 to 43.70): VU034433.D (-924) (-)

Ion 60.90 (60.60 to 61.60): VU034433.D (-924) (-)

Ion 70.00 (69.70 to 70.70): VU034433.D (-924) (-)



#38
Carbon Tetrachloride
Concen: 49.769 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

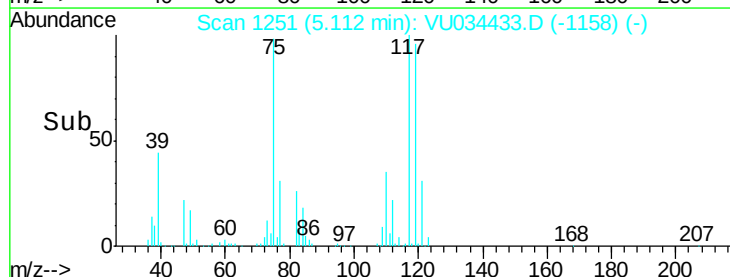
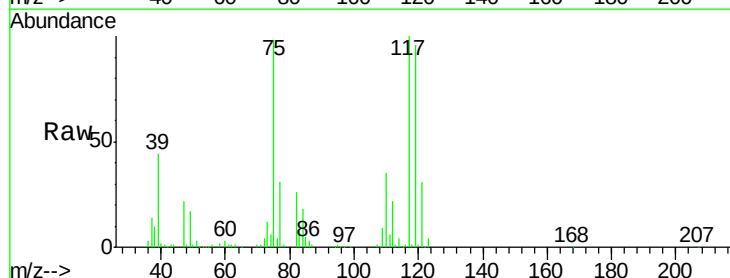
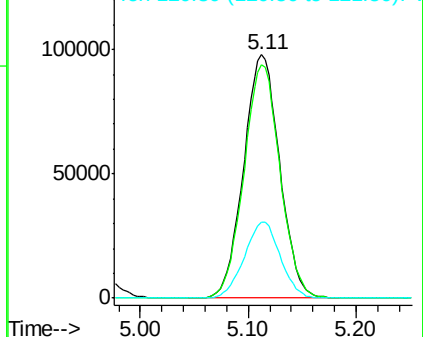
Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.8	116.6
121	31.3	25.2	37.8

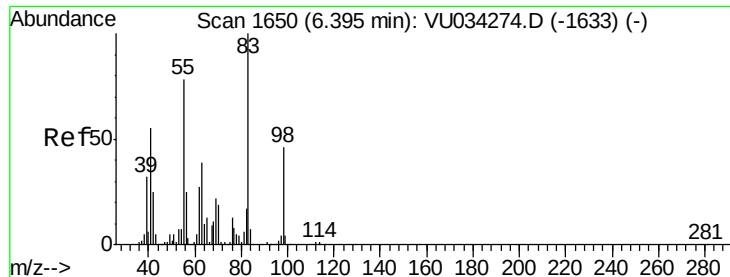
Abundance

Ion 116.80 (116.50 to 117.50): VU034433.D (-1158) (-)

Ion 118.80 (118.50 to 119.50): VU034433.D (-1158) (-)

Ion 120.80 (120.50 to 121.50): VU034433.D (-1158) (-)





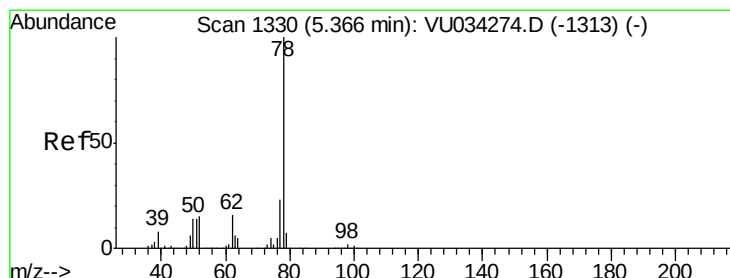
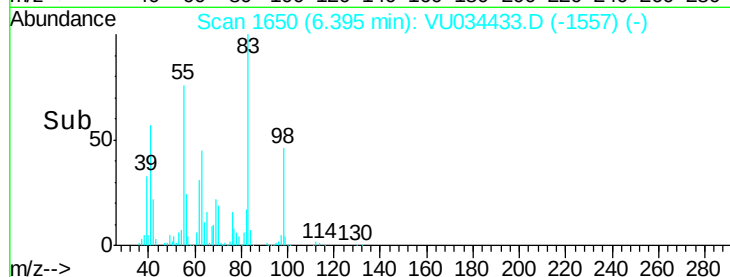
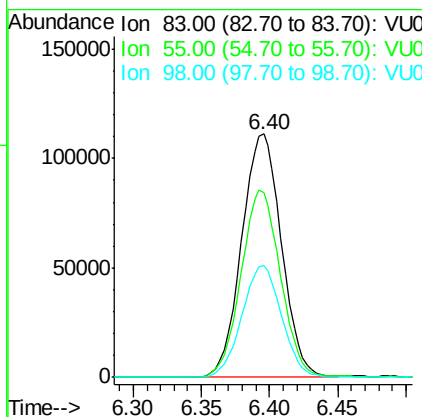
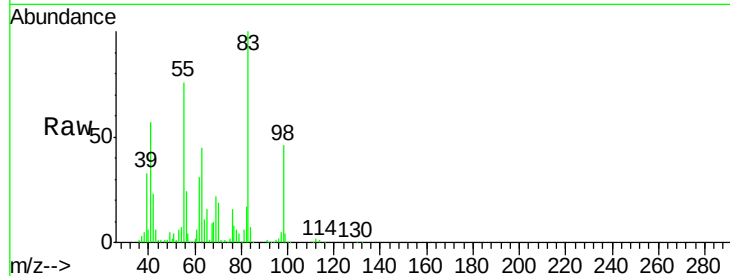
#39
Methylvlcyclohexane
Concen: 49.587 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	62.1	93.1
98	46.1	37.0	55.6

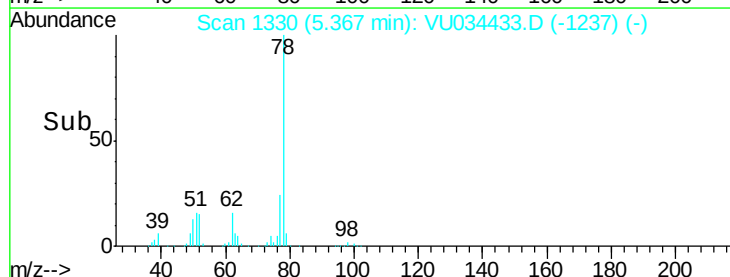
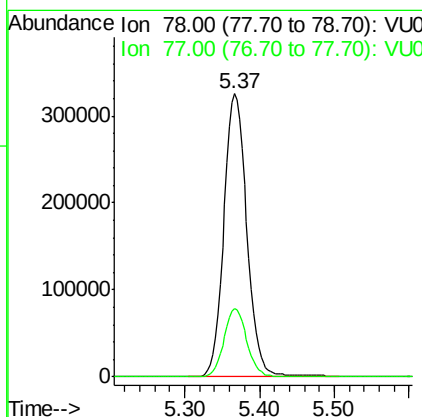
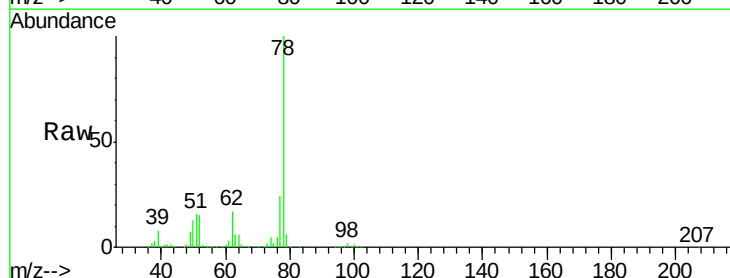
Manual Integrations
APPROVED

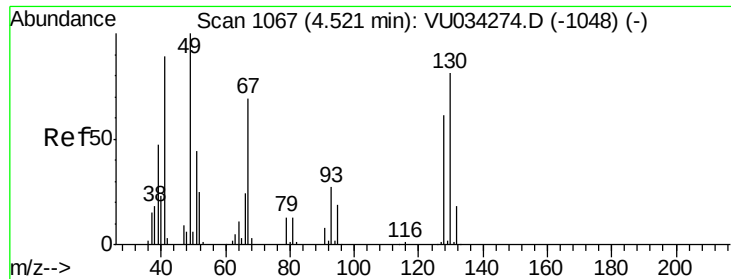
MMDadoda
9/10/2019 4:17:58 PM



#40
Benzene
Concen: 50.552 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





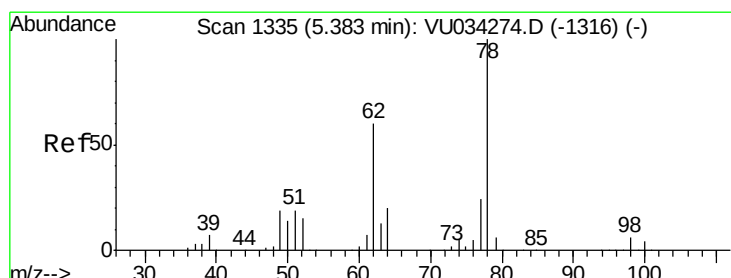
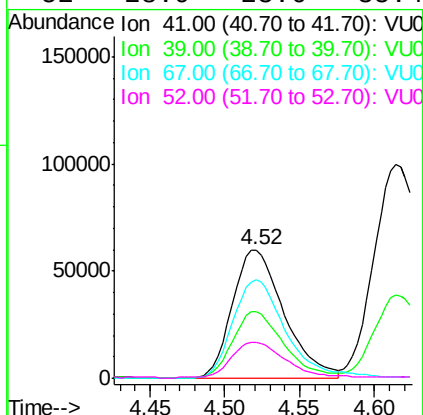
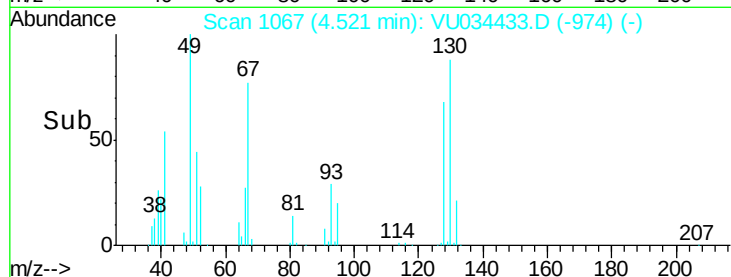
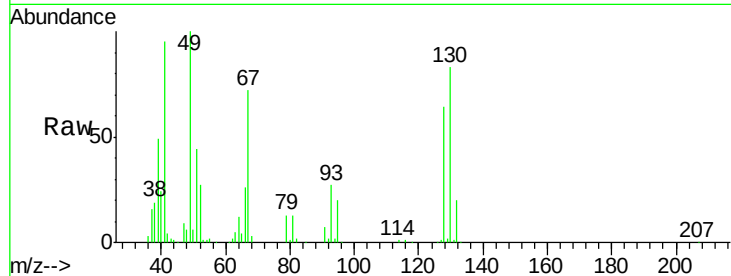
#41
Methacrylonitrile
Concen: 53.608 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.3	41.0	61.4
67	79.6	62.4	93.6
52	28.9	23.6	35.4

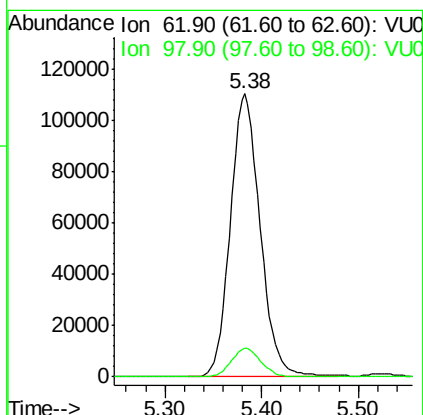
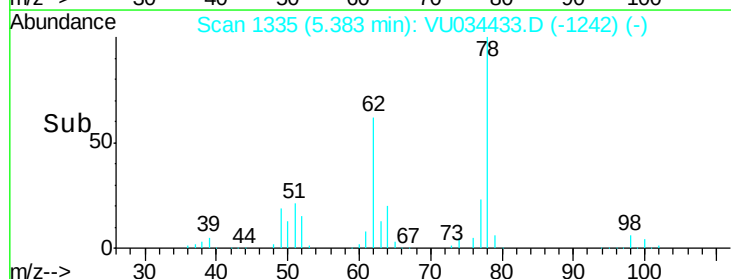
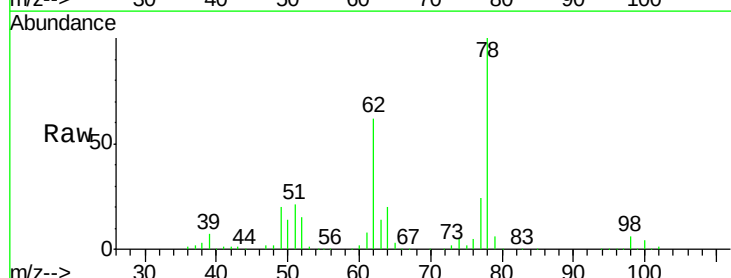
Manual Integrations
APPROVED

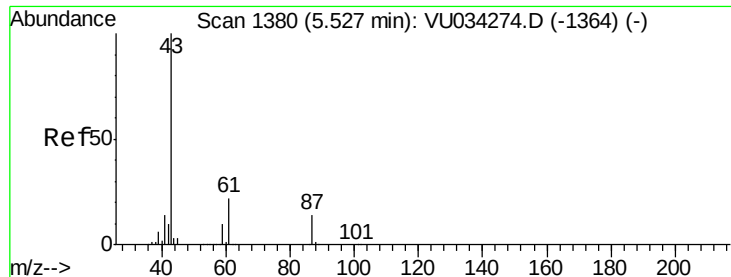
MMDadoda
9/10/2019 4:17:58 PM



#42
1,2-Dichloroethane
Concen: 49.707 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.0





#43

Isopropyl Acetate

Concen: 51.369 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

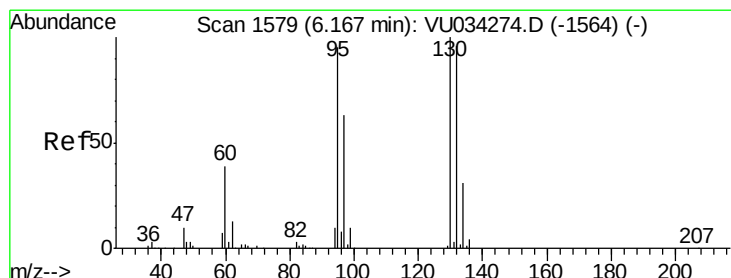
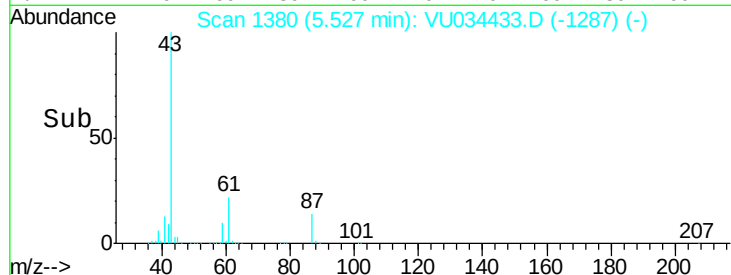
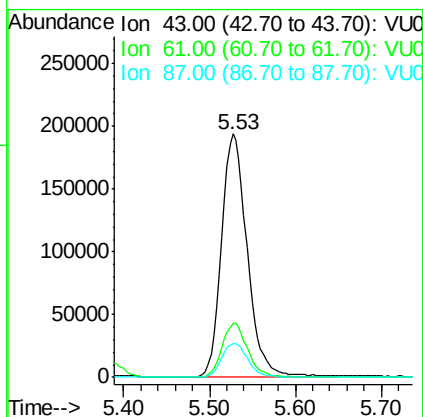
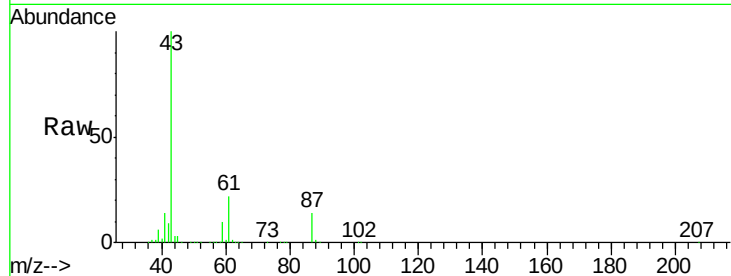
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	402488
Ion	Ratio	Lower	Upper
43	100		
61	22.1	17.1	25.7
87	14.2	11.1	16.7

Manual Integrations
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9/10/2019 4:17:58 PM



#44

Trichloroethene

Concen: 50.544 ug/l

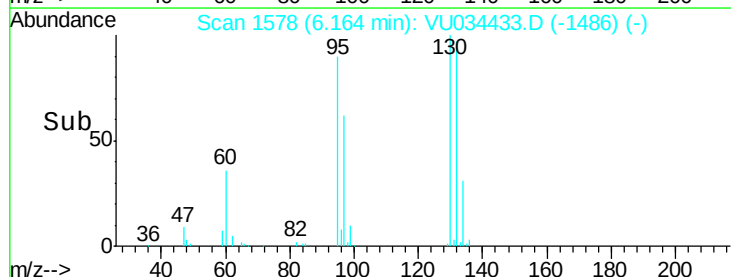
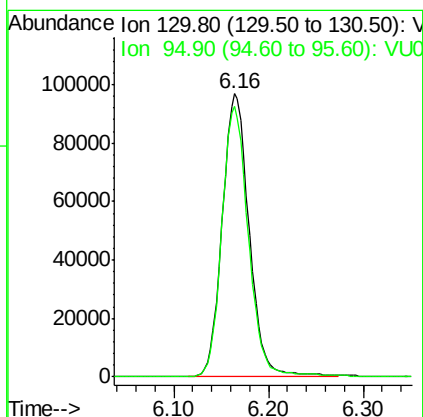
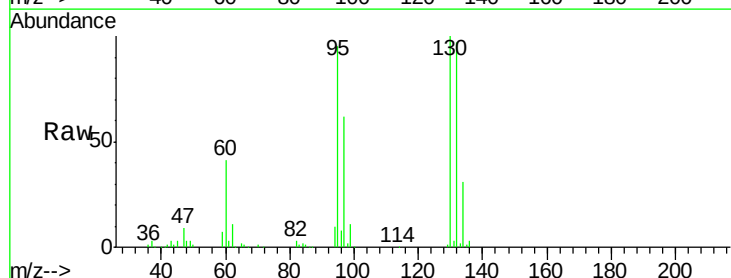
RT: 6.16 min Scan# 1578

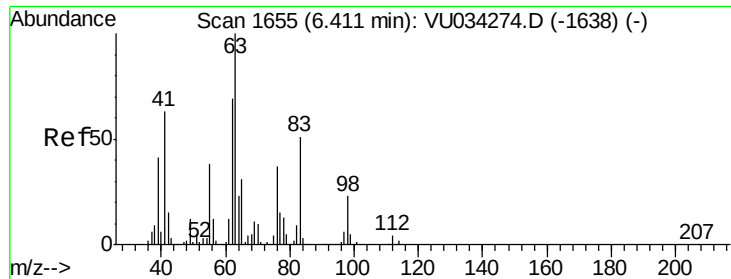
Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Tgt Ion:	130	Resp:	191721
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	189.2





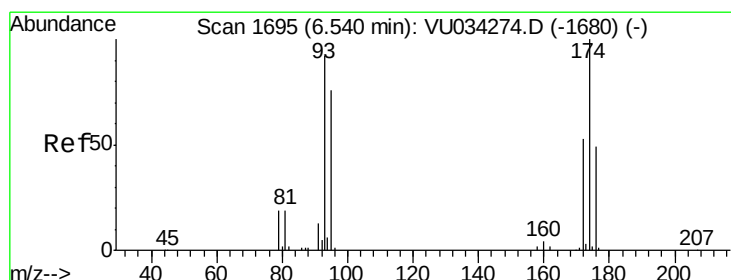
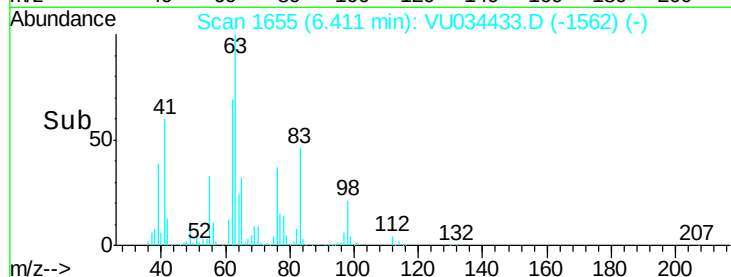
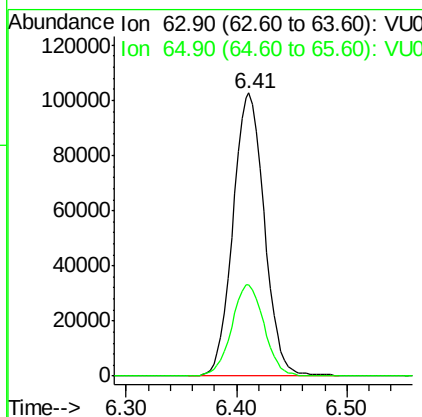
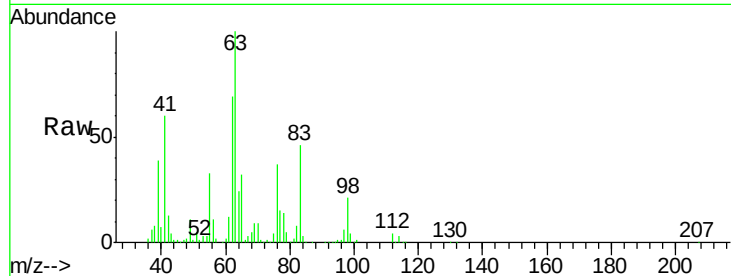
#45
 1,2-Dichloropropane
 Concen: 50.554 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 202585
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.6 37.0

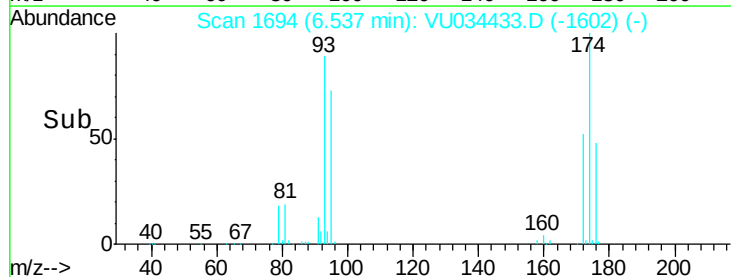
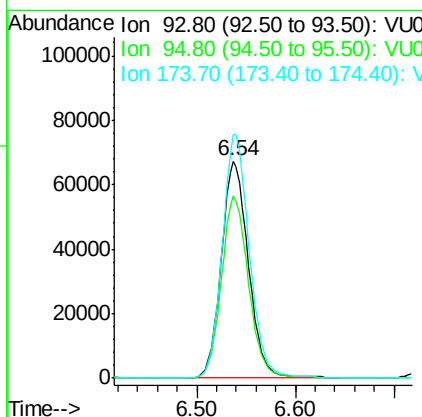
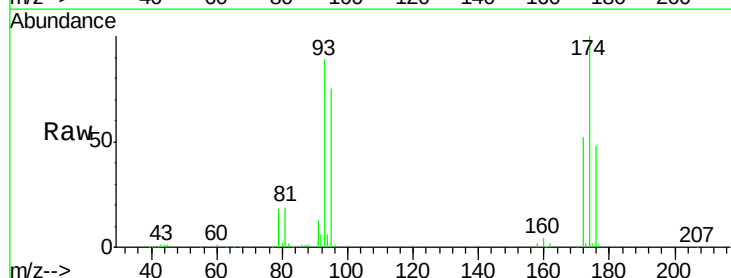
Manual Integrations
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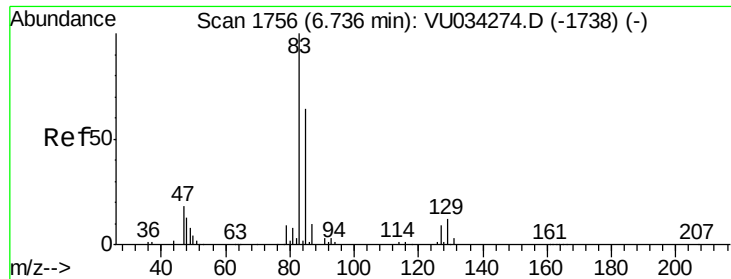
MMDadoda
 9/10/2019 4:17:58 PM



#46
 Dibromomethane
 Concen: 51.676 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion: 93 Resp: 129985
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.5 99.7
 174 111.8 87.8 131.6





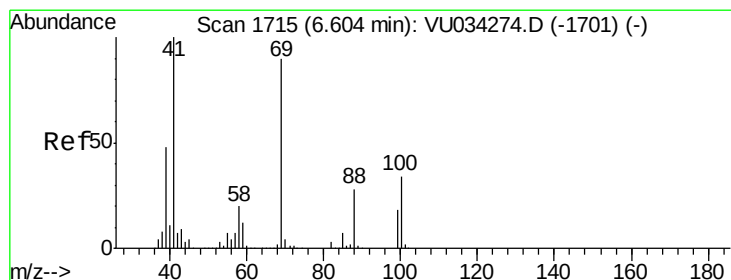
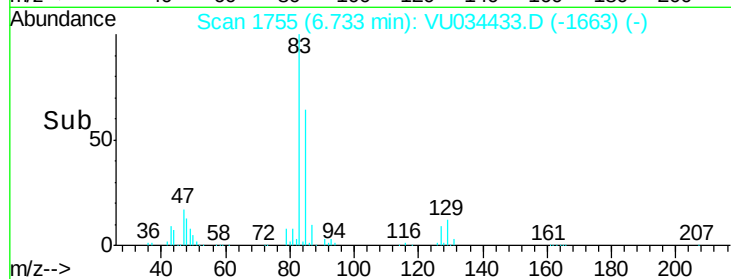
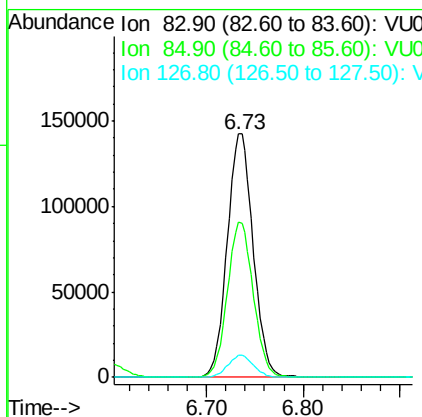
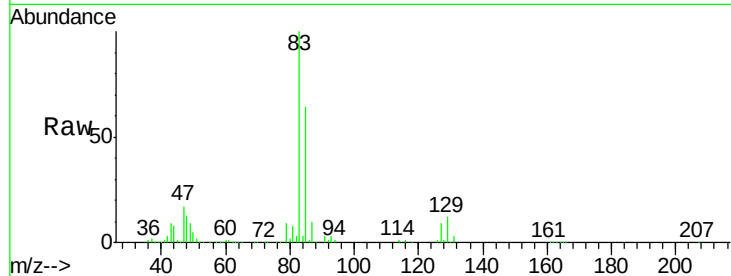
#47
 Bromodichloromethane
 Concen: 51.155 ug/l
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	264864		
85	63.6		51.1	76.7
127	9.0		7.2	10.8

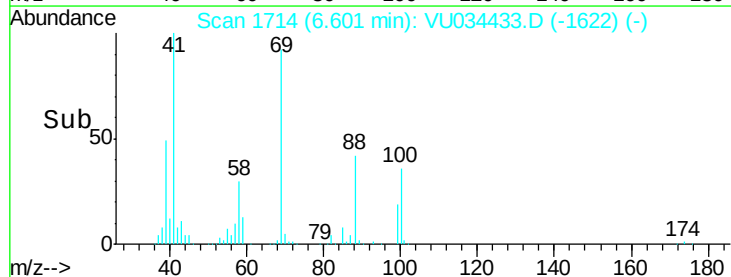
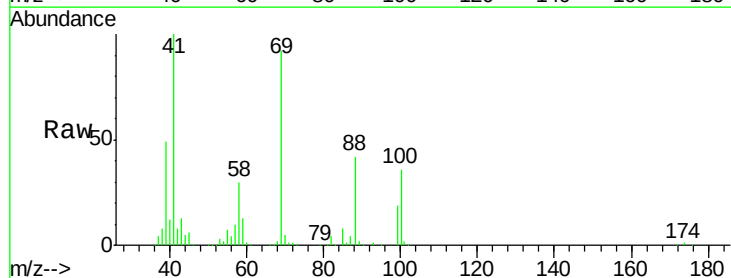
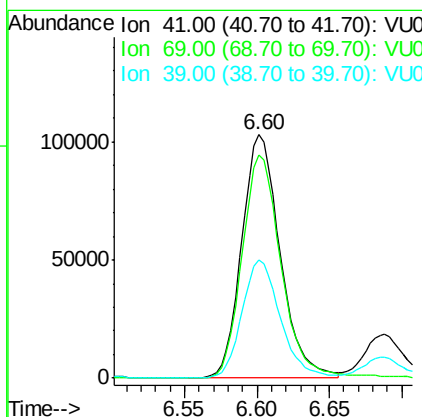
Manual Integrations
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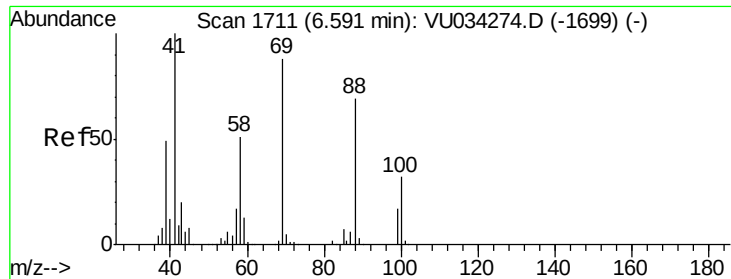
MMDadoda
 9/10/2019 4:17:58 PM



#48
 Methyl methacrylate
 Concen: 50.479 ug/l
 RT: 6.60 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	187853		
69	94.9		72.8	109.2
39	48.5		38.6	58.0





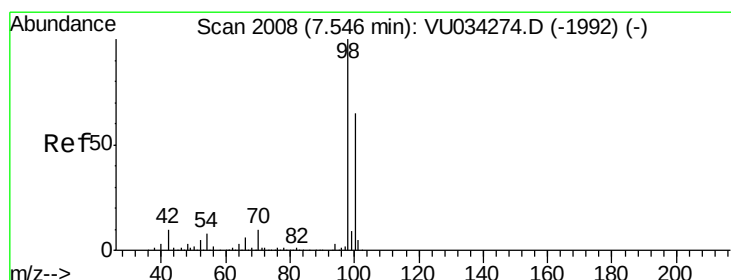
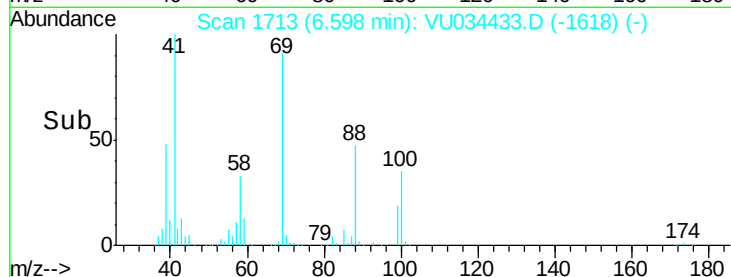
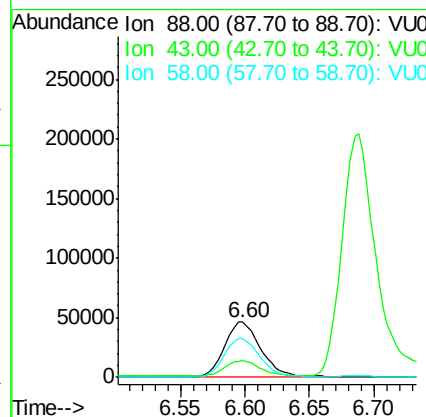
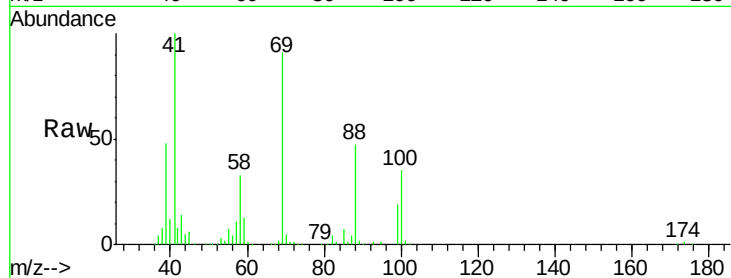
#49
1,4-Dioxane
Concen: 1109.622 ug/l
RT: 6.60 min Scan# 1713
Delta R.T. 0.01 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.7	23.8	35.6
58	70.8	58.4	87.6

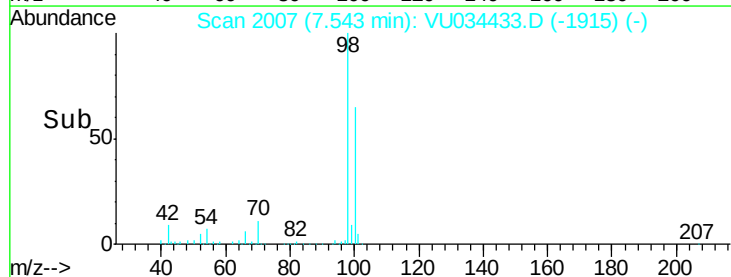
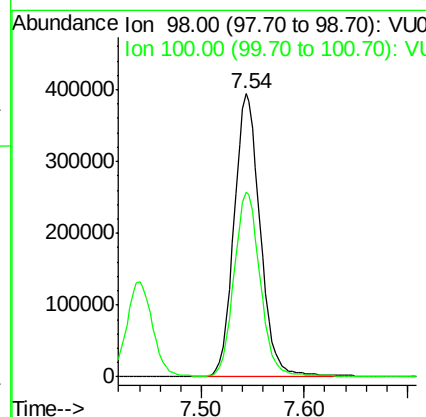
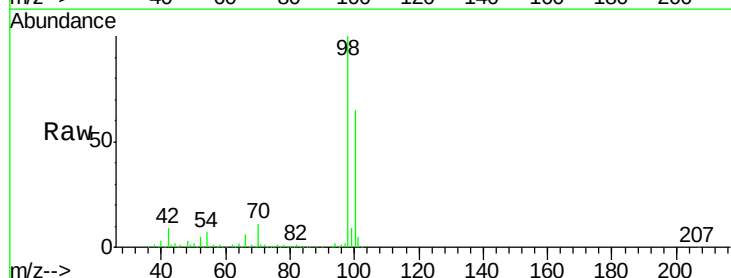
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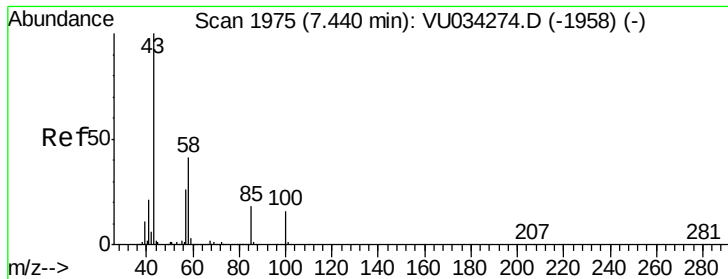
MMDadoda
9/10/2019 4:17:58 PM



#50
Toluene-d8
Concen: 50.938 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.7	77.5





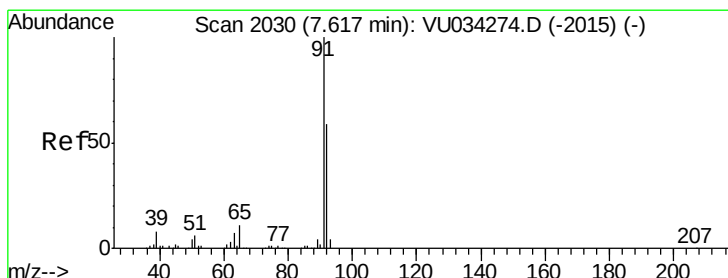
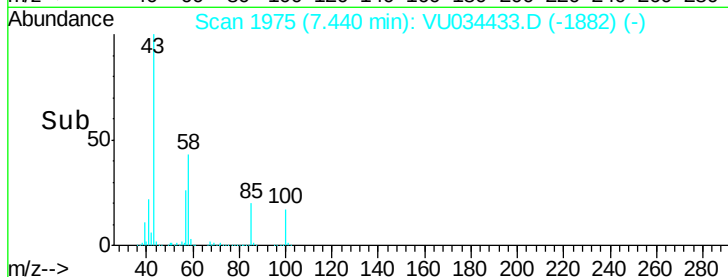
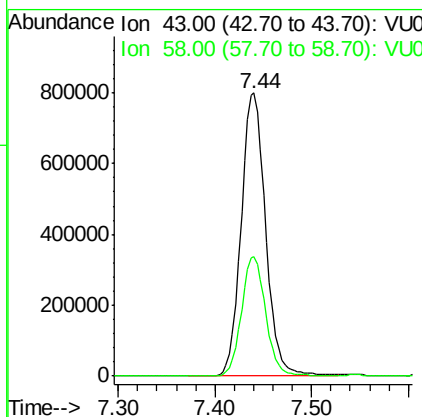
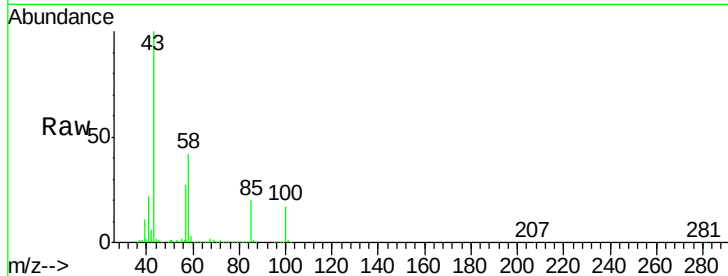
#51
 4-Methyl-2-Pentanone
 Concen: 257.973 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1399117
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.0 49.4

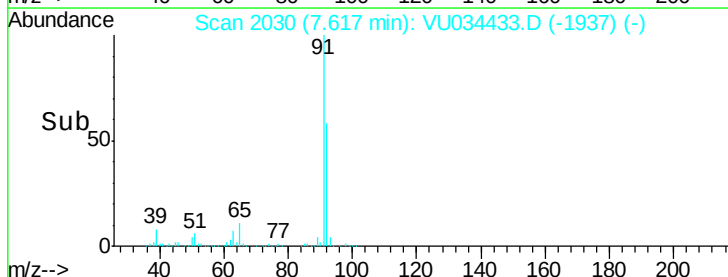
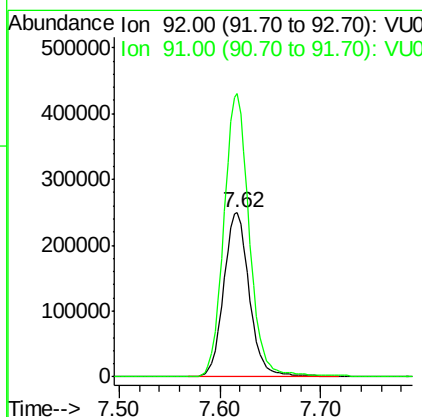
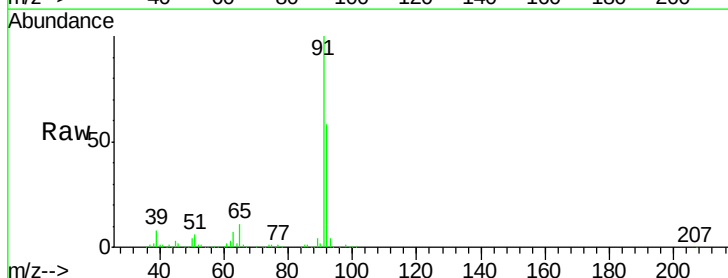
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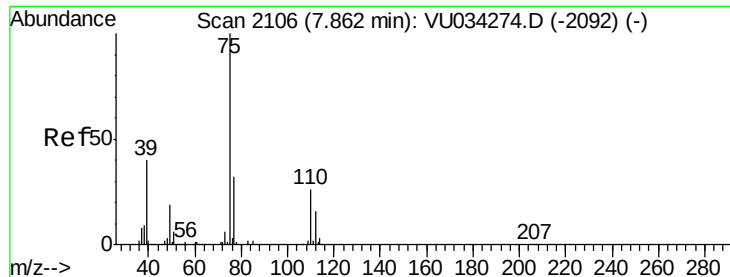
MMDadoda
 9/10/2019 4:17:58 PM



#52
 Toluene
 Concen: 51.703 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion: 92 Resp: 444580
 Ion Ratio Lower Upper
 92 100
 91 171.7 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 52.343 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 280943

Ion Ratio Lower Upper

75 100

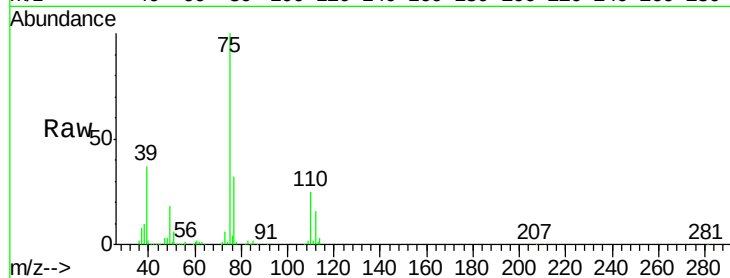
77 31.8 25.7 38.5

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.86

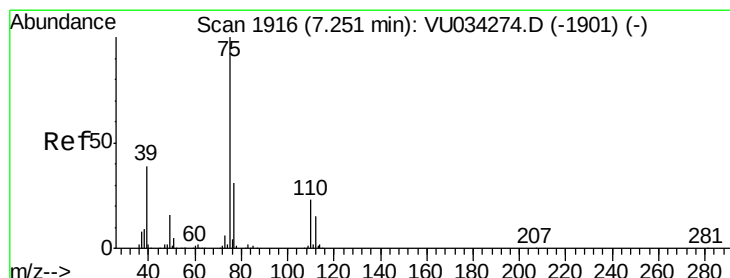
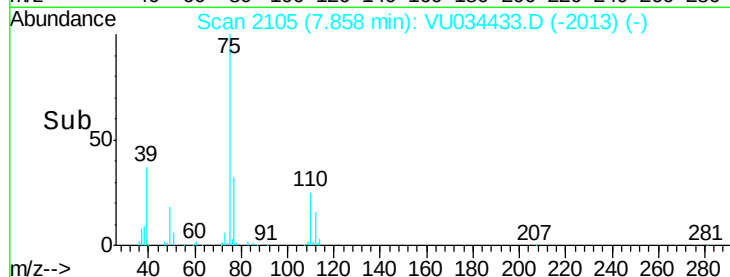
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.708 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

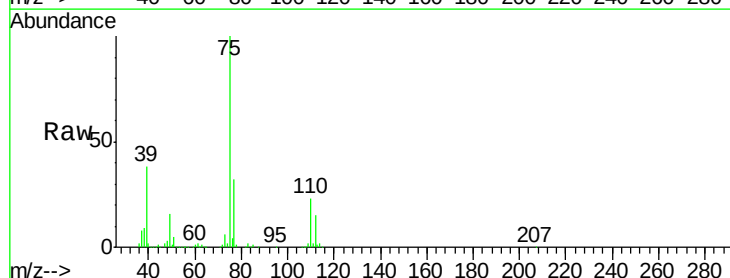
Tgt Ion: 75 Resp: 310495

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7

39 38.2 31.2 46.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.25

200000

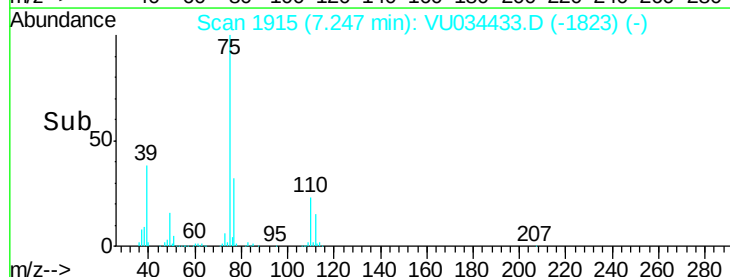
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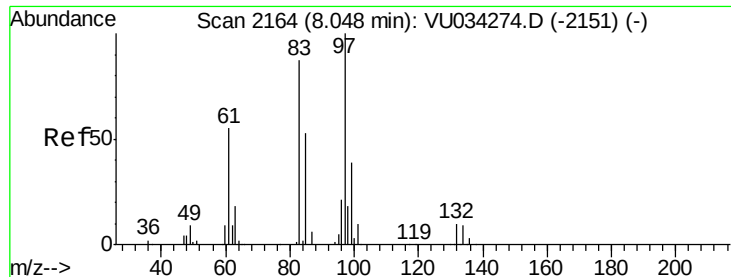
100000

50000

0

Time-->





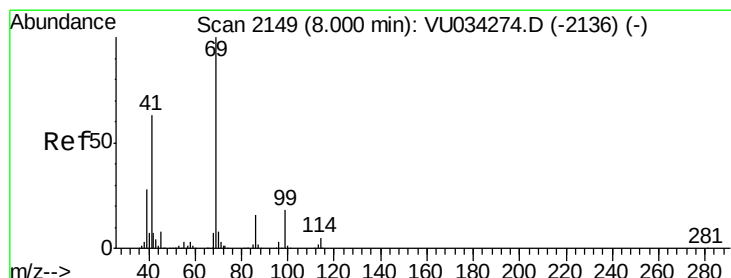
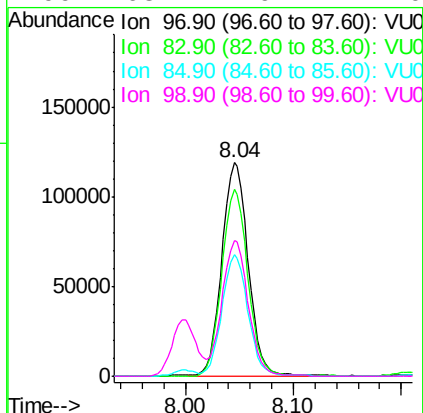
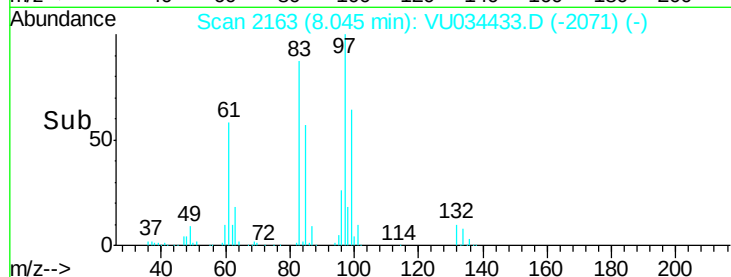
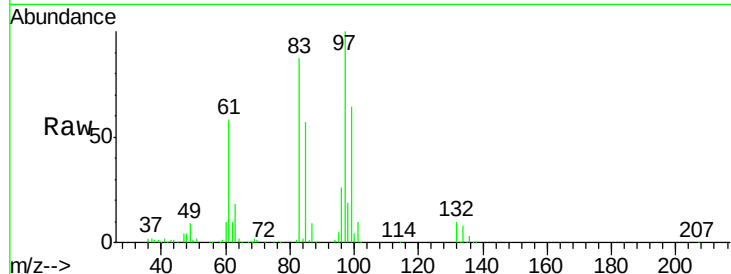
#55
 1,1,2-Trichloroethane
 Concen: 51.374 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	200591
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.0	103.6
85	56.7	44.2	66.2
99	63.7	49.4	74.0

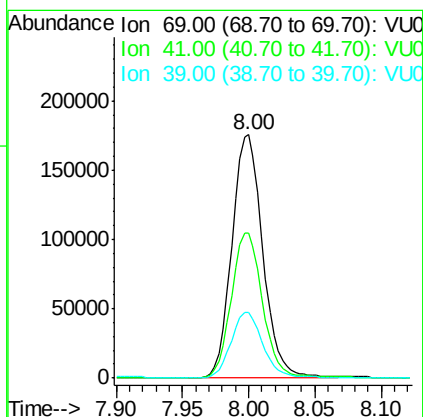
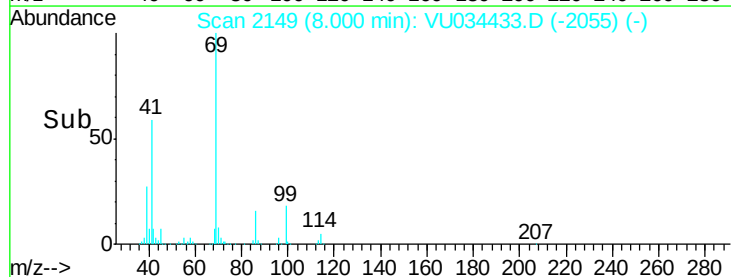
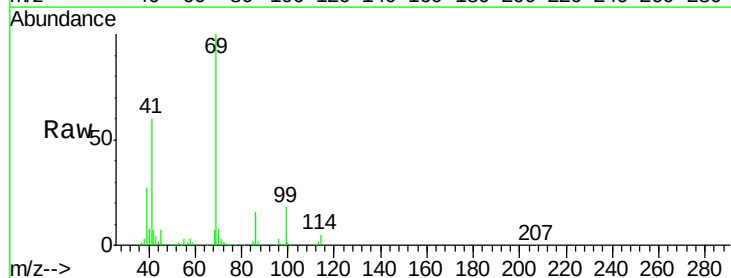
Manual Integrations
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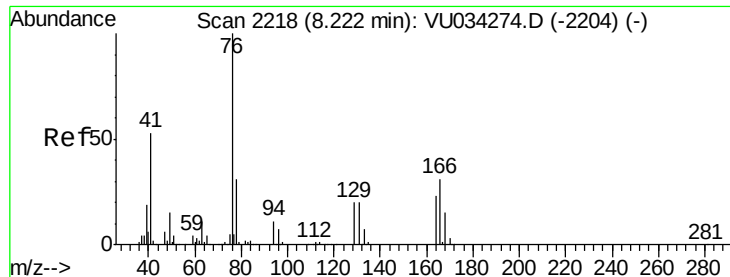
MMDadoda
 9/10/2019 4:17:58 PM



#56
 Ethyl methacrylate
 Concen: 48.157 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion	69	Resp	284951
Ion	Ratio	Lower	Upper
69	100		
41	60.5	49.5	74.3
39	27.6	22.5	33.7





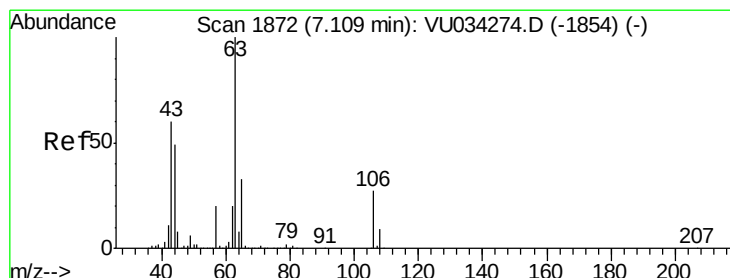
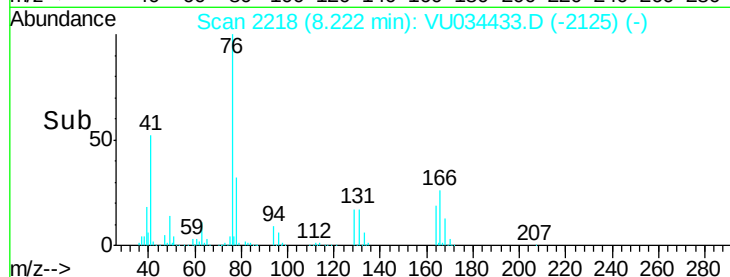
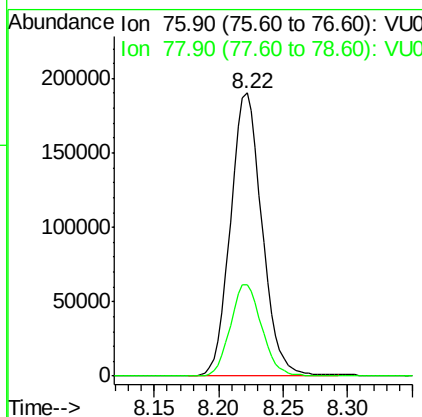
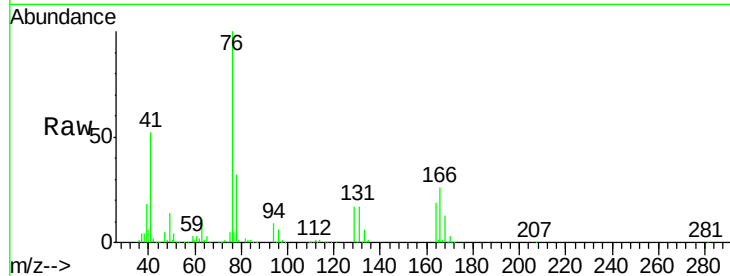
#57
 1,3-Dichloropropane
 Concen: 50.958 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.4	38.2

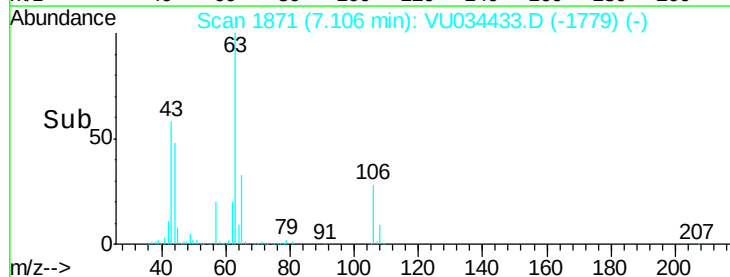
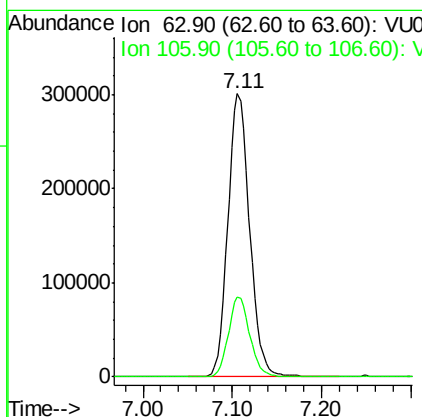
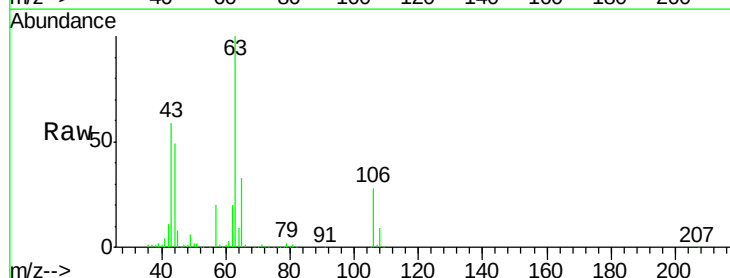
Manual Integrations
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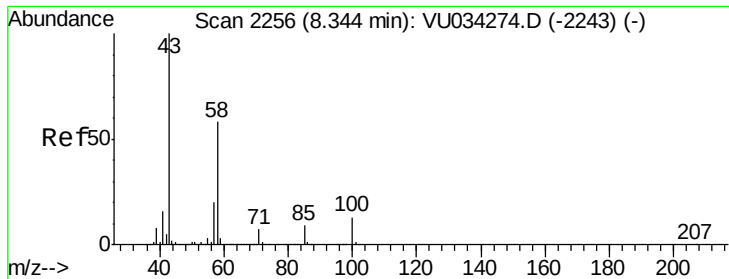
MMDadoda
 9/10/2019 4:17:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.143 ug/l
 RT: 7.11 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.6	32.4





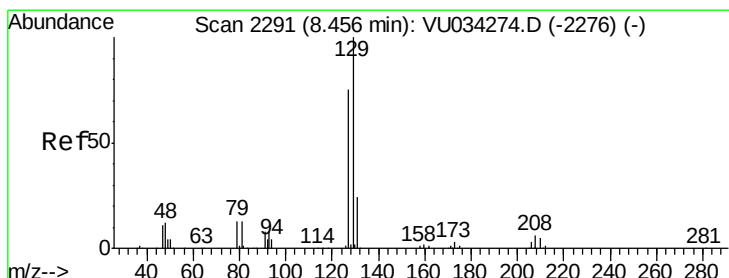
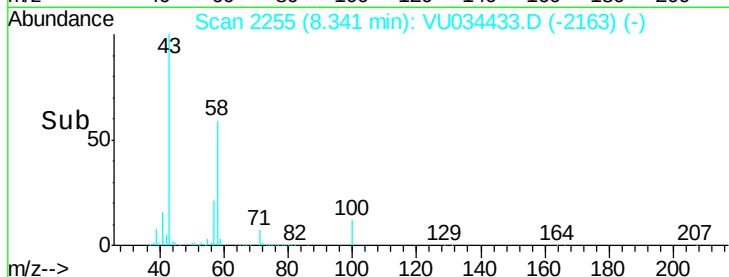
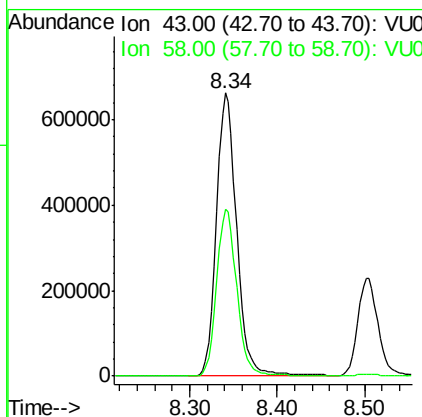
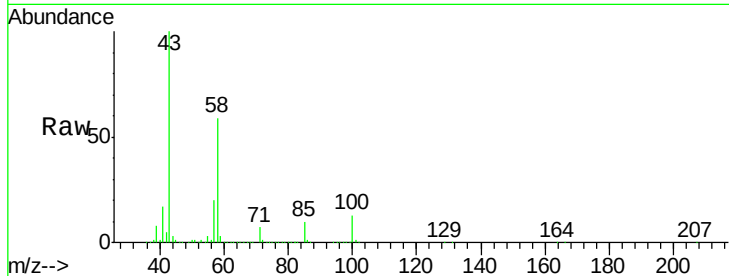
#59
2-Hexanone
Concen: 261.875 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1061024
Ion Ratio Lower Upper
43 100
58 59.3 28.8 86.5

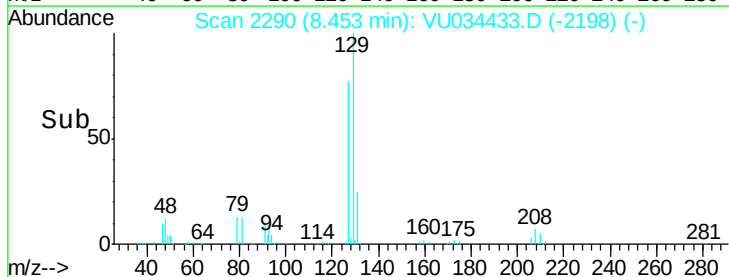
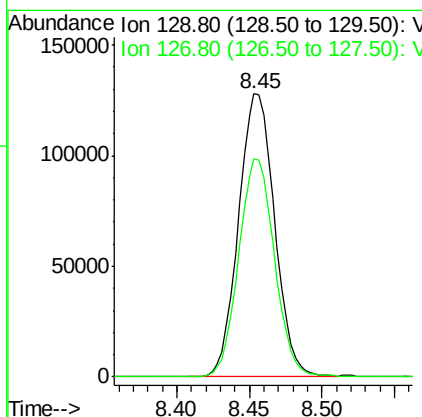
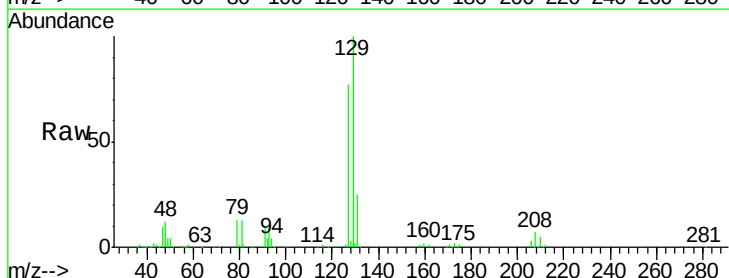
Manual Integrations
APPROVED

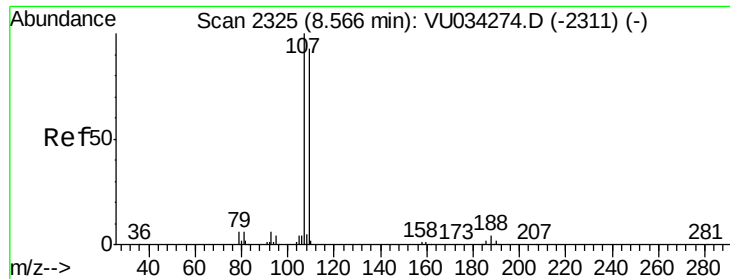
MMDadoda
9/10/2019 4:17:58 PM



#60
Dibromochloromethane
Concen: 52.959 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion: 129 Resp: 221789
Ion Ratio Lower Upper
129 100
127 76.5 37.9 113.7





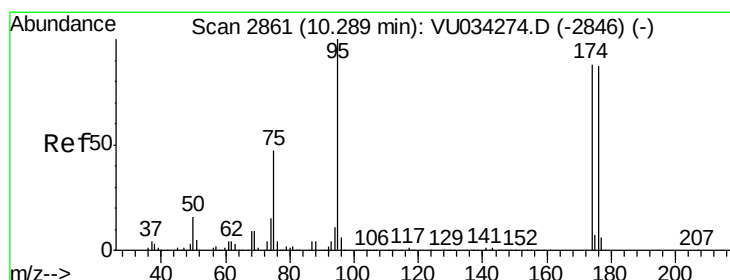
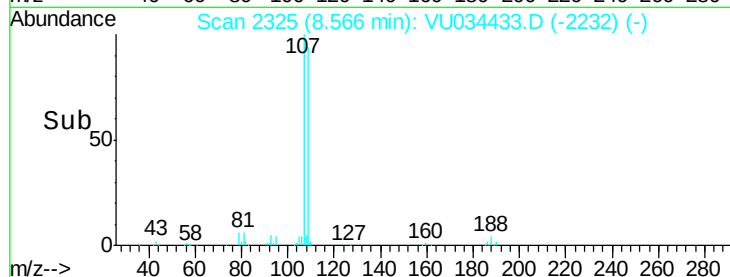
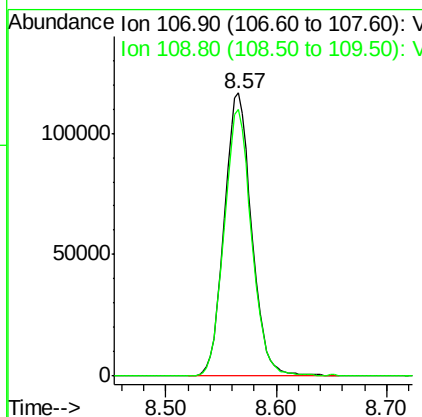
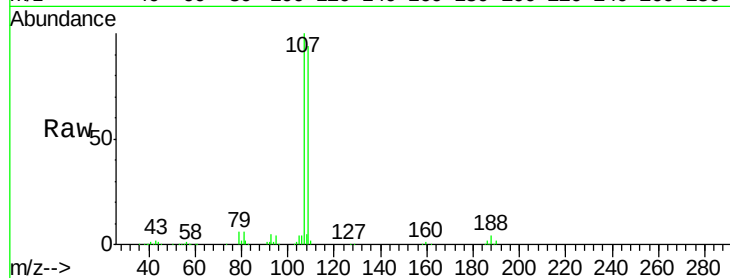
#61
 1,2-Dibromoethane
 Concen: 52.584 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.0	112.6

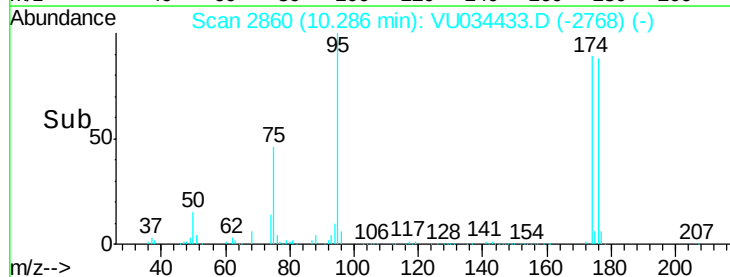
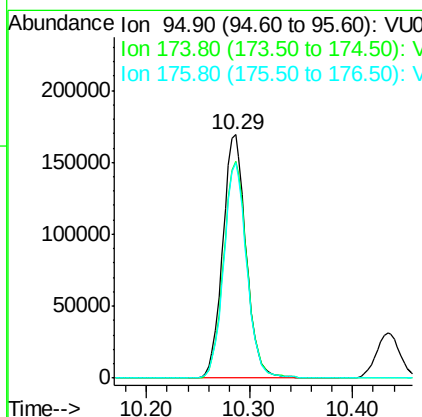
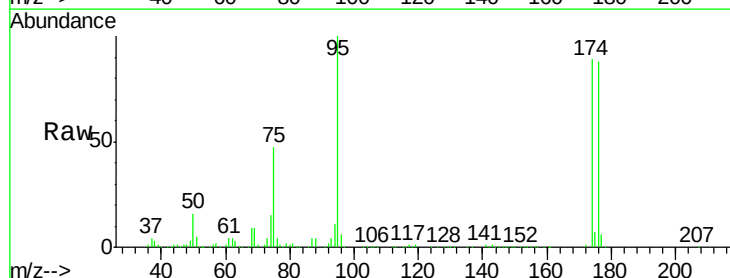
Manual Integrations
 APPROVED

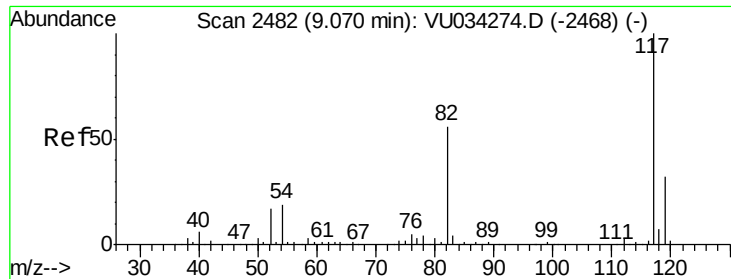
MMDadoda
 9/10/2019 4:17:58 PM



#62
 4-Bromofluorobenzene
 Concen: 50.484 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	175.2
176	86.7	0.0	168.0





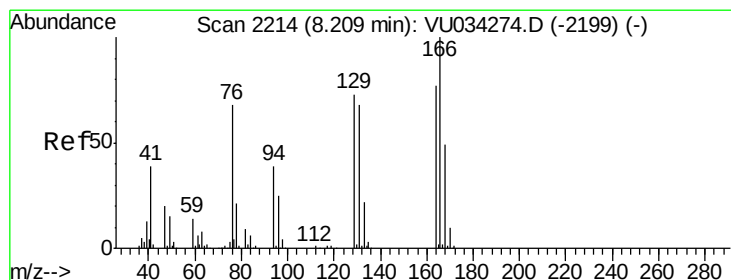
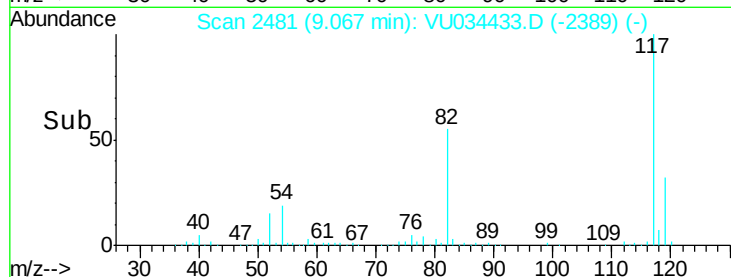
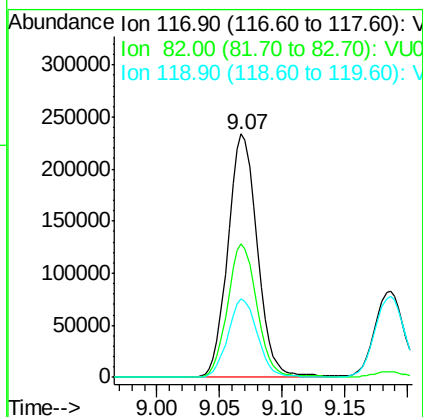
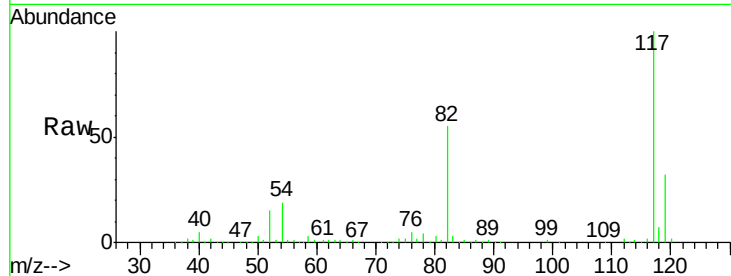
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	67.0
119	32.2	25.9	38.9

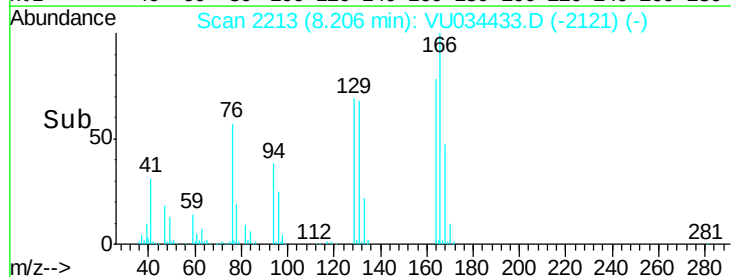
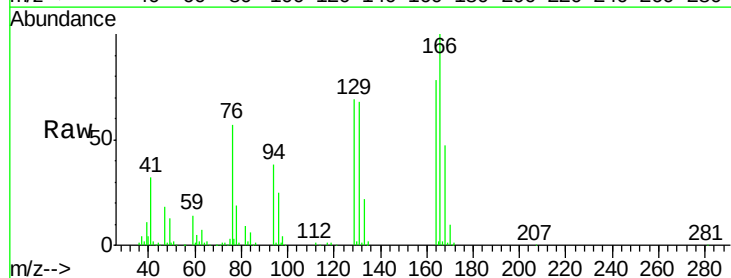
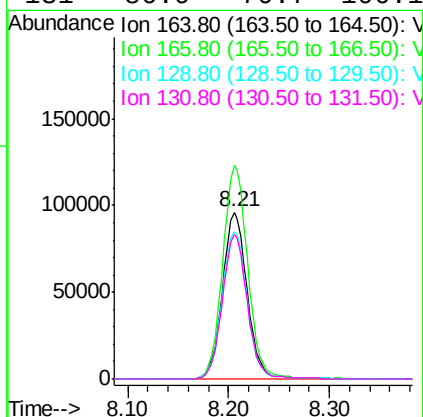
Manual Integrations
APPROVED

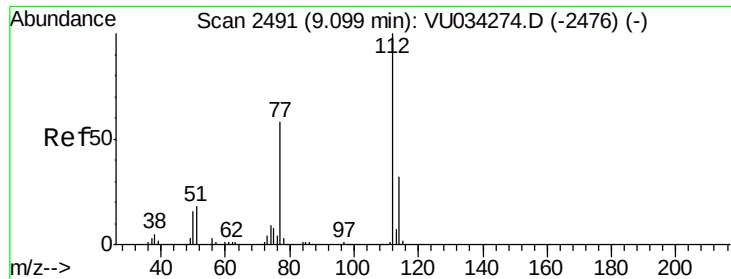
MMDadoda
9/10/2019 4:17:58 PM



#64
Tetrachloroethene
Concen: 49.832 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	103.7	155.5
129	88.7	75.8	113.8
131	86.9	70.7	106.1





#65

Chlorobenzene

Concen: 52.715 ug/l

RT: 9.10 min Scan# 2490

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 510940

Ion Ratio Lower Upper

112 100

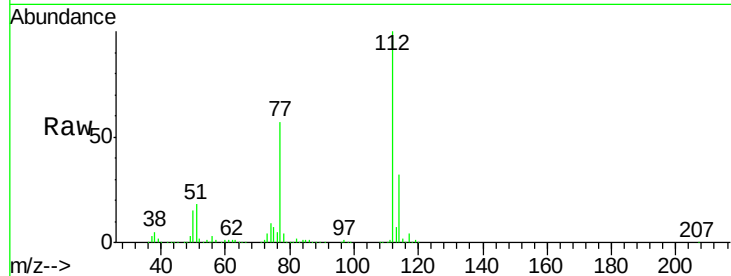
114 31.8 25.9 38.9

Manual Integrations

APPROVED

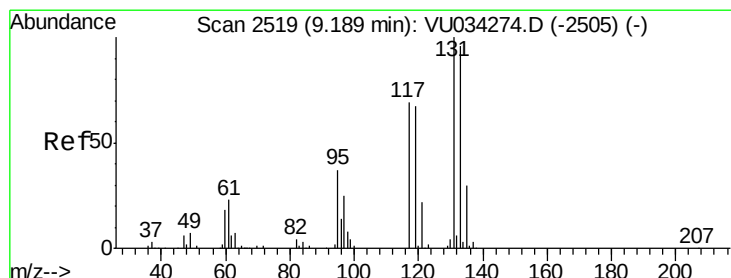
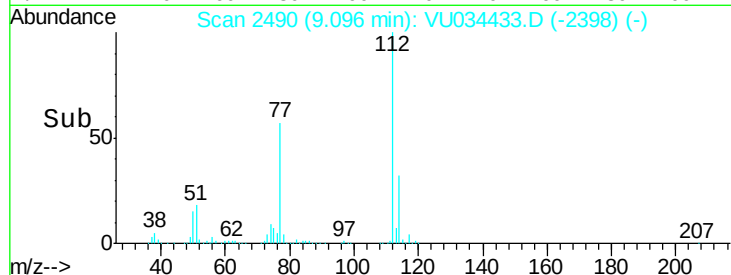
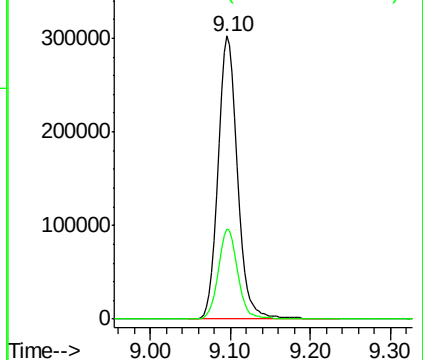
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.505 ug/l

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

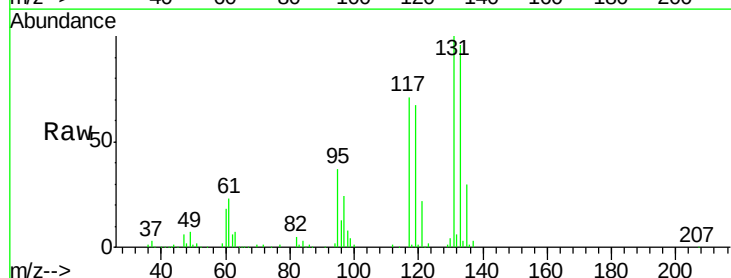
Tgt Ion:131 Resp: 194215

Ion Ratio Lower Upper

131 100

133 96.2 47.9 143.7

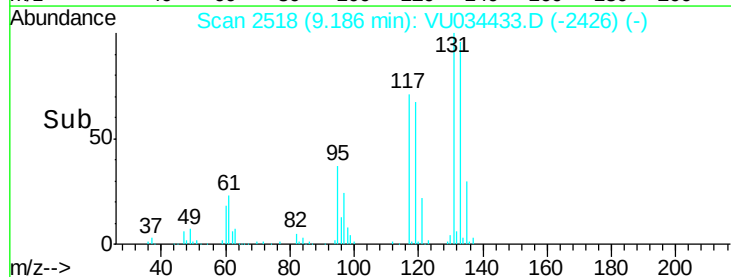
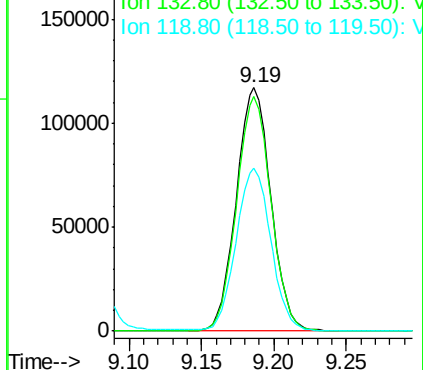
119 67.4 33.1 99.5

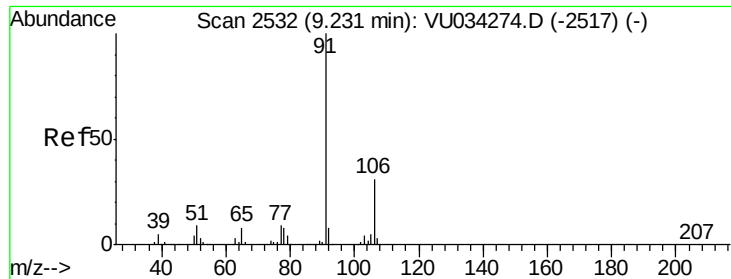


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





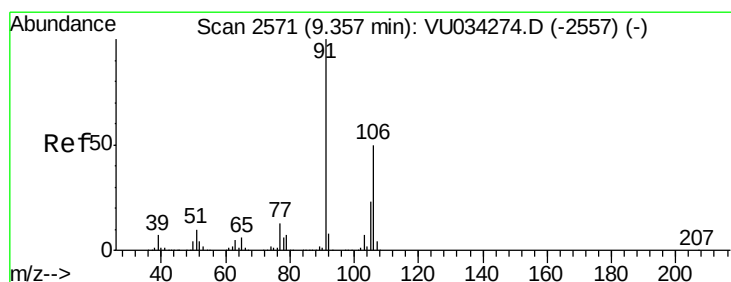
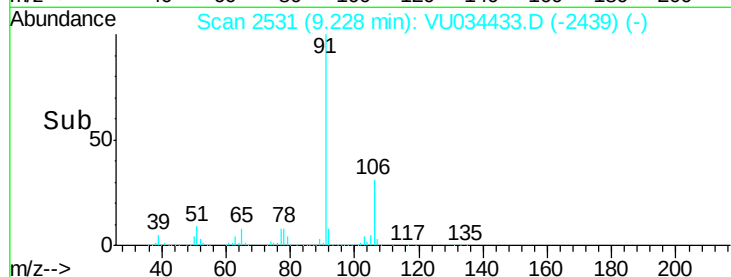
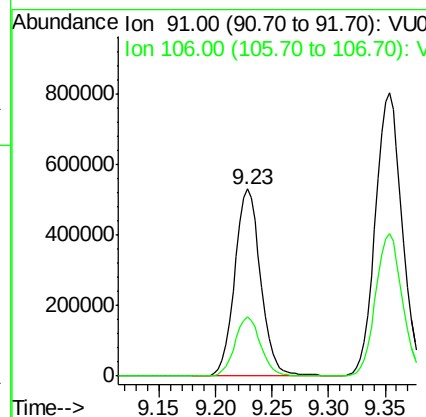
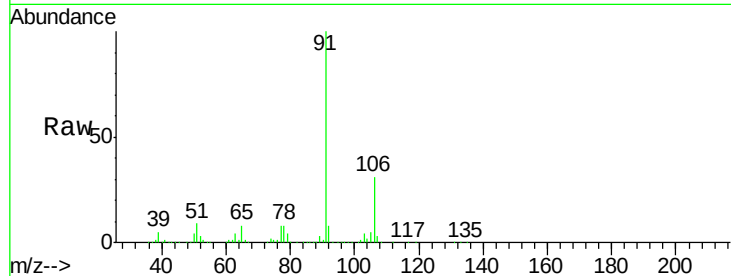
#67
Ethyl Benzene
Concen: 53.655 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.8	37.2

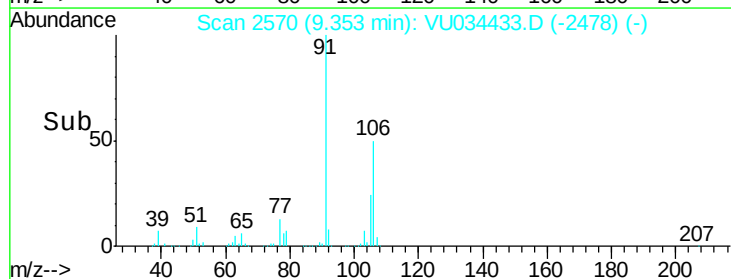
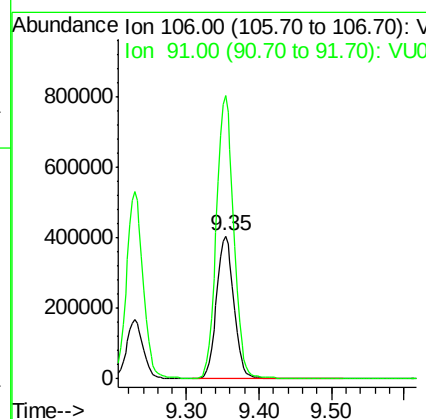
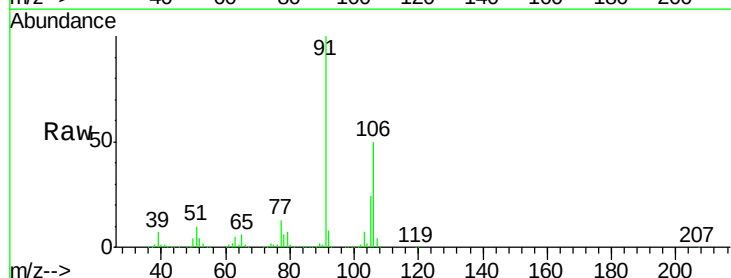
Manual Integrations
APPROVED

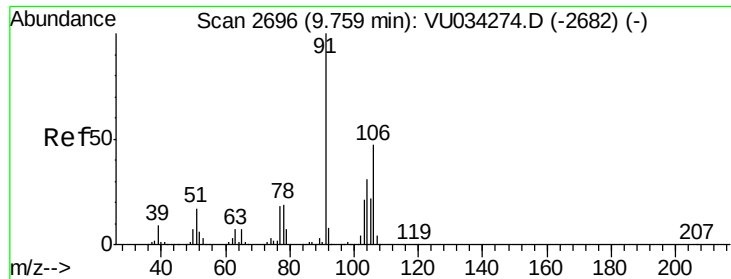
MMDadoda
9/10/2019 4:17:58 PM



#68
m/p-Xylenes
Concen: 112.602 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.8	160.1	240.1





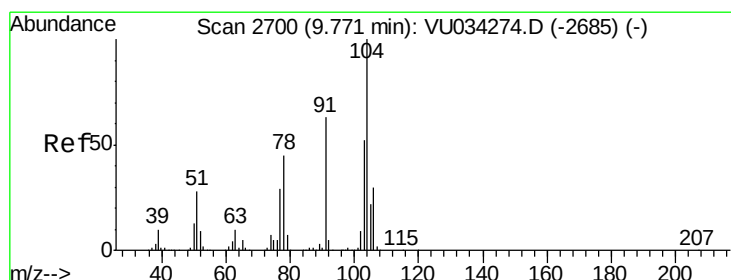
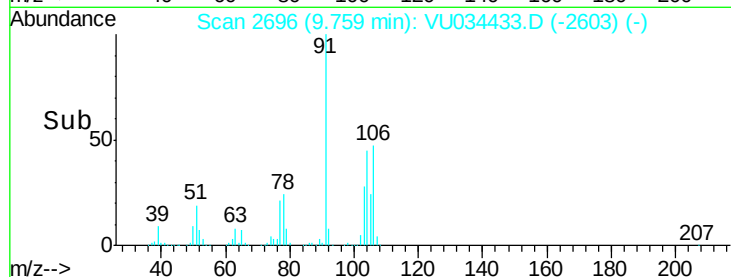
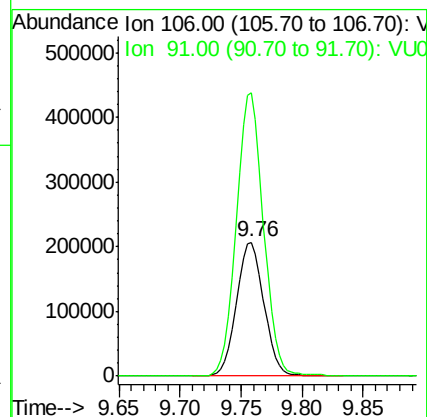
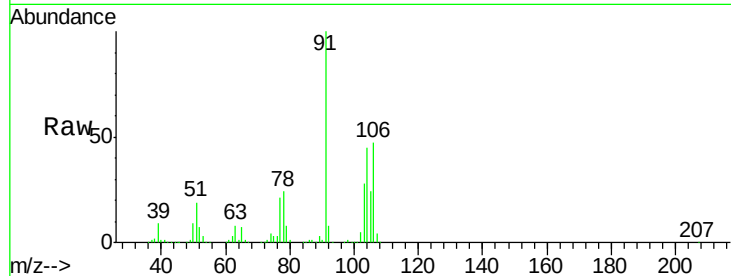
#69
o-Xylene
Concen: 55.637 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
106	100	324705		
91	208.8	105.1	315.3	

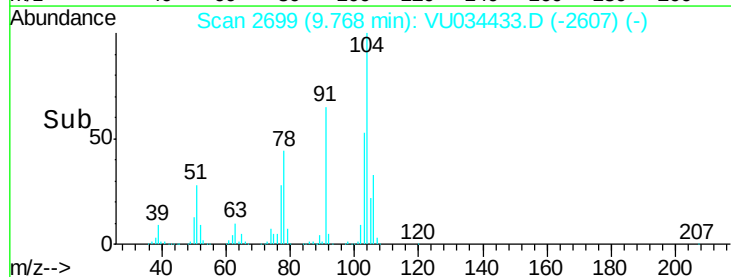
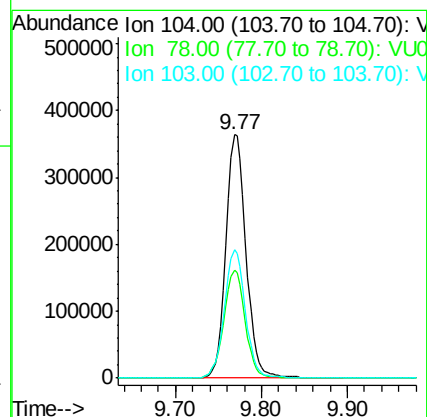
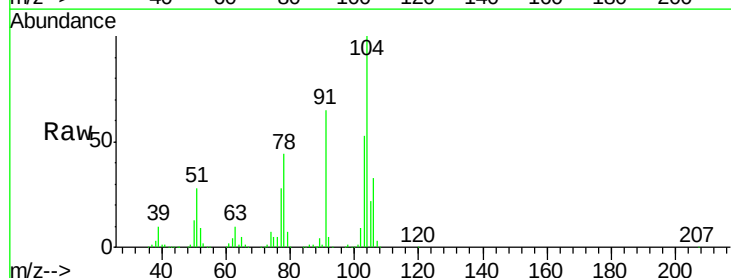
Manual Integrations
APPROVED

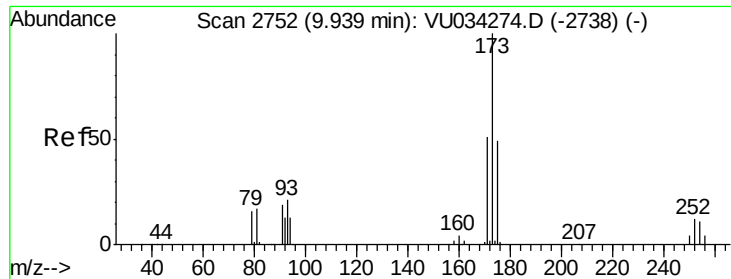
MMDadoda
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#70
Styrene
Concen: 58.162 ug/l
RT: 9.77 min Scan# 2699
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	595132		
78	47.3	38.6	57.8	
103	55.1	44.2	66.4	





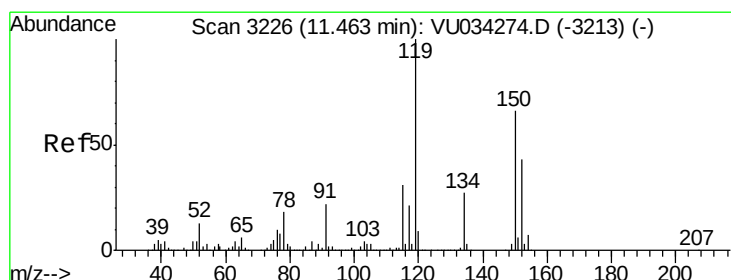
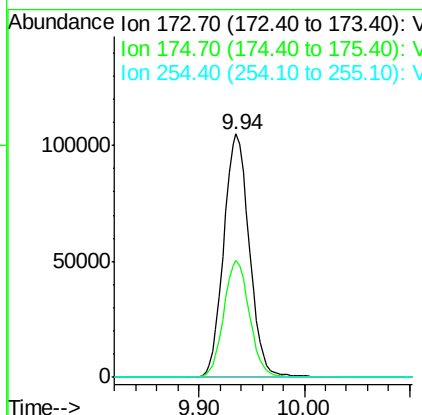
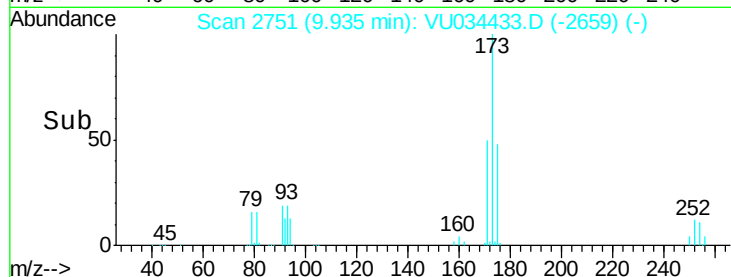
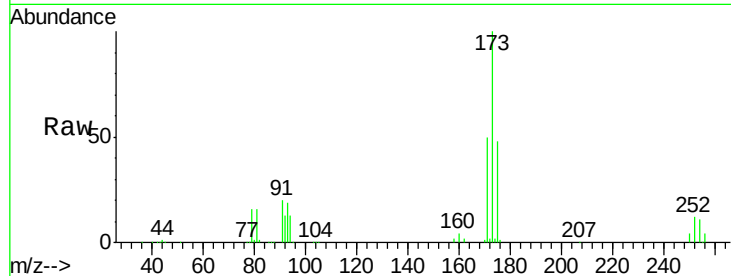
#71
Bromoform
Concen: 55.045 ug/l
RT: 9.94 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.4	73.2
254	0.1	0.0	0.0#

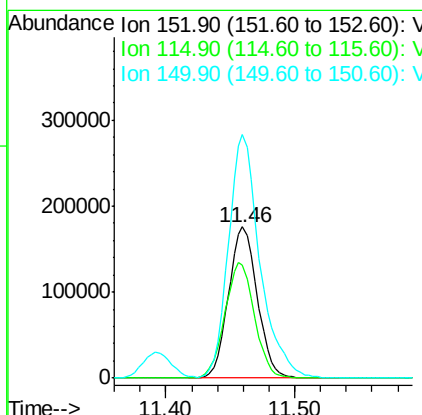
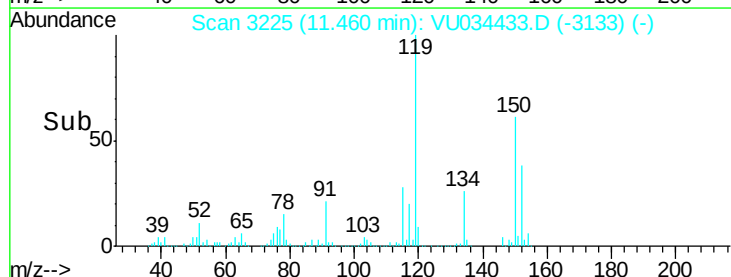
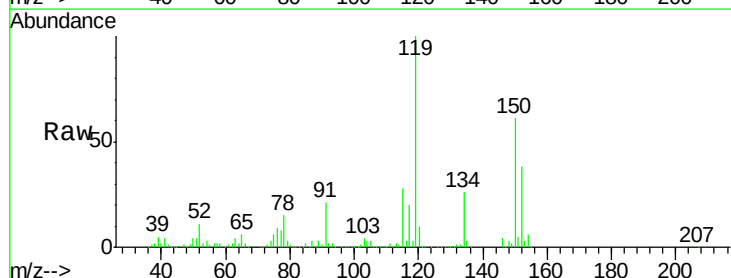
Manual Integrations
APPROVED

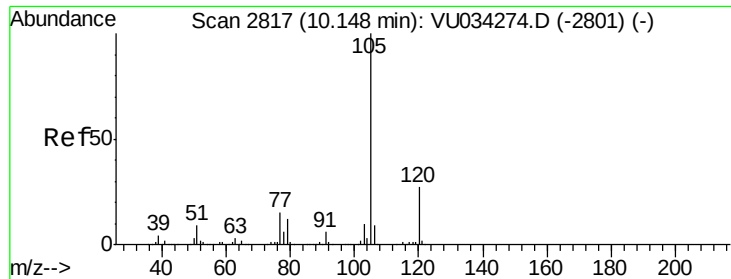
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.2	39.1	117.3
150	175.2	0.0	345.4





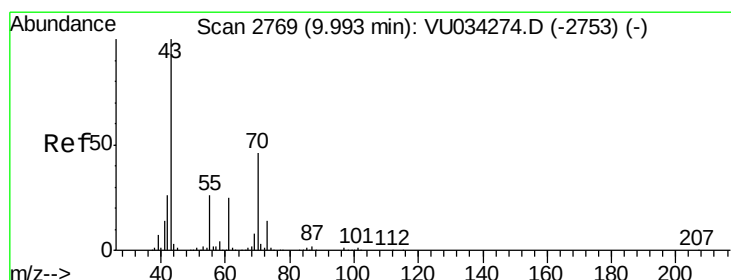
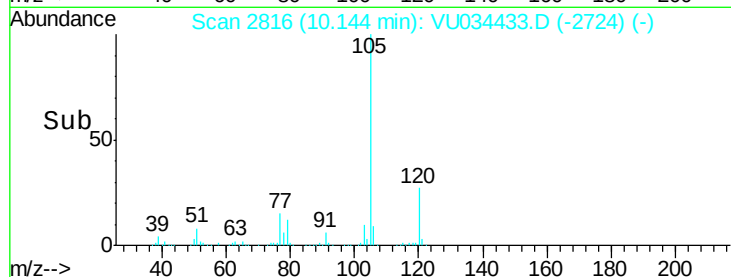
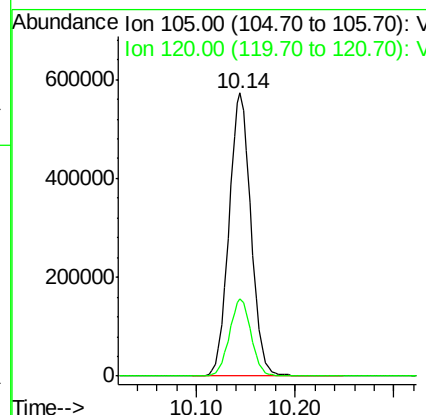
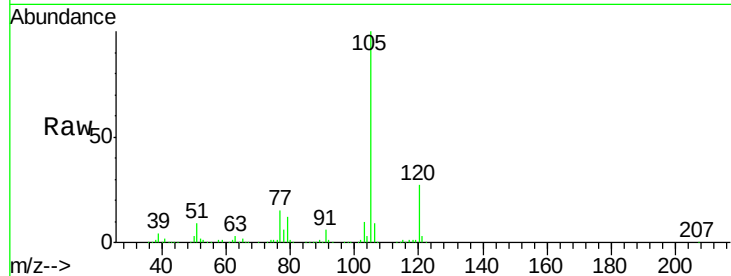
#73
Isopropylbenzene
Concen: 50.448 ug/l
RT: 10.14 min Scan# 2816
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.4	40.2

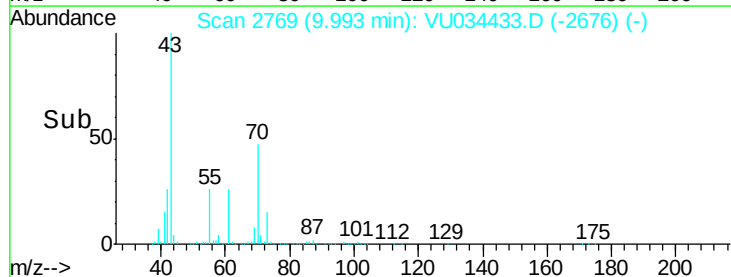
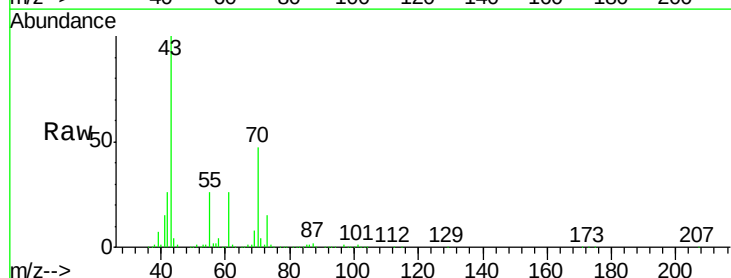
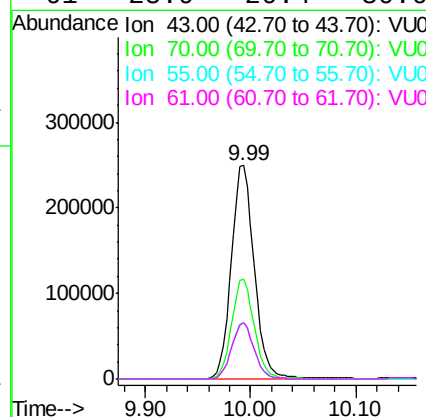
Manual Integrations
APPROVED

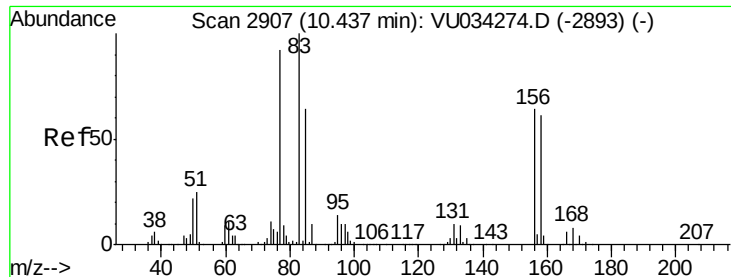
MMDadoda
9/10/2019 4:17:58 PM



#74
N-ethyl acetate
Concen: 52.458 ug/l
RT: 9.99 min Scan# 2769
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.3	36.4	54.6
55	26.5	21.2	31.8
61	25.9	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.088 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

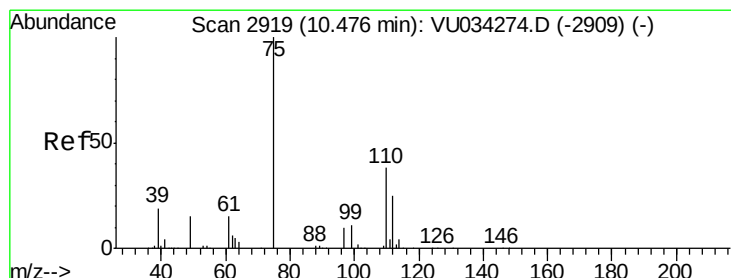
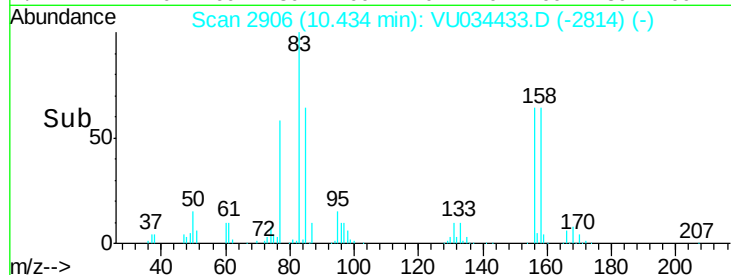
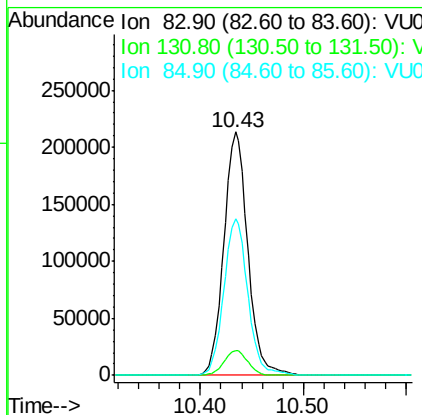
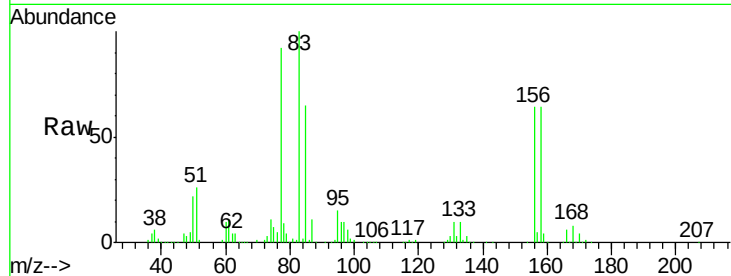
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	344772
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.2
85	64.8	32.0	96.2

Manual Integrations
APPROVED

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9/10/2019 4:17:58 PM



#76

1,2,3-Trichloropropane

Concen: 47.673 ug/l m

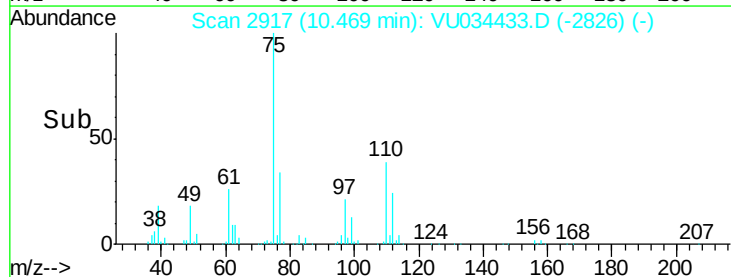
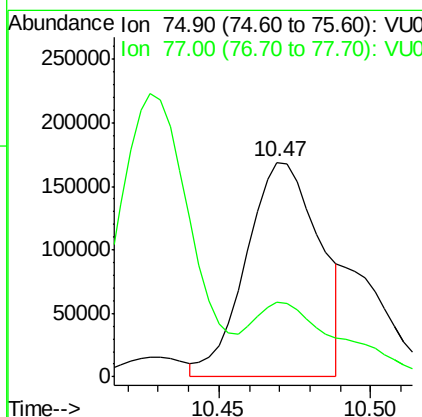
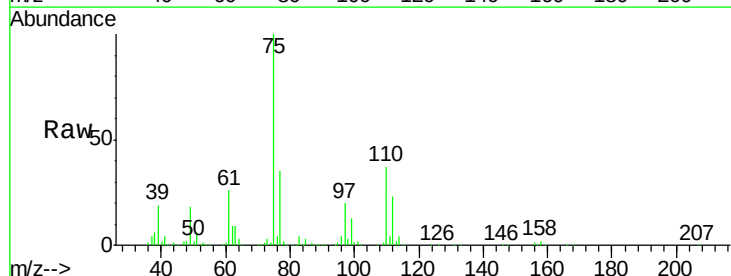
RT: 10.47 min Scan# 2917

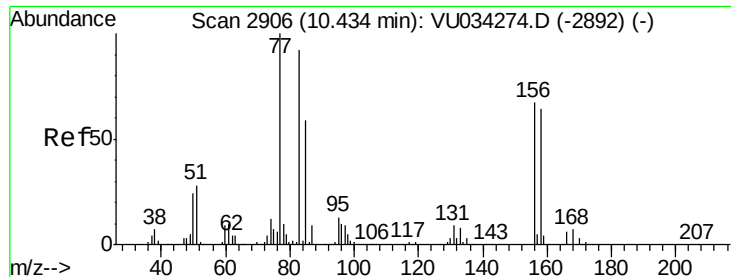
Delta R.T. -0.01 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Tgt Ion:	75	Resp:	283233
Ion Ratio	Lower	Upper	
75	100		
77	42.0	20.8	62.2





#77

Bromobenzene

Concen: 50.052 ug/l

RT: 10.43 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

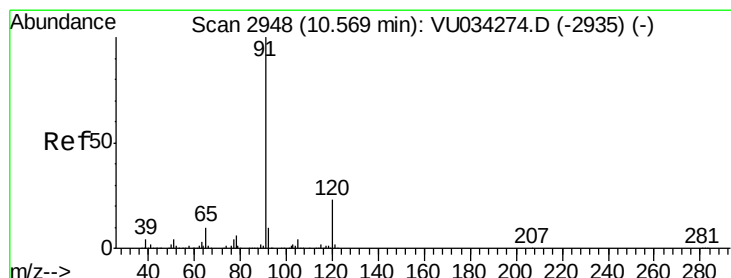
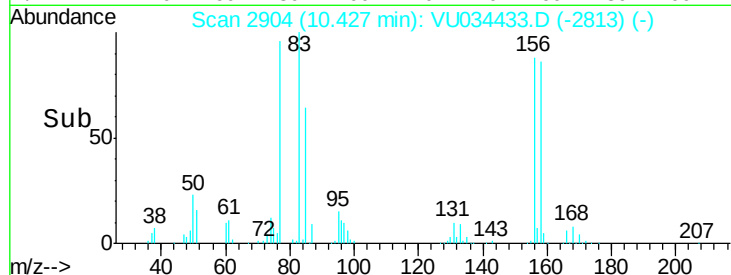
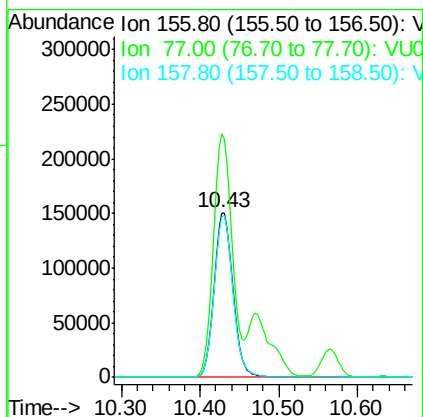
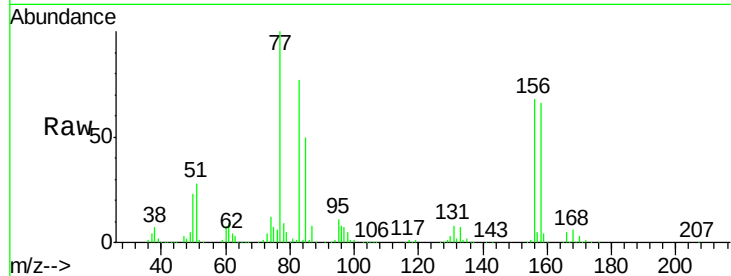
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	247891
Ion Ratio	Lower	Upper	
156	100		
77	148.6	75.6	226.9
158	97.6	48.2	144.6

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#78

n-propylbenzene

Concen: 51.407 ug/l

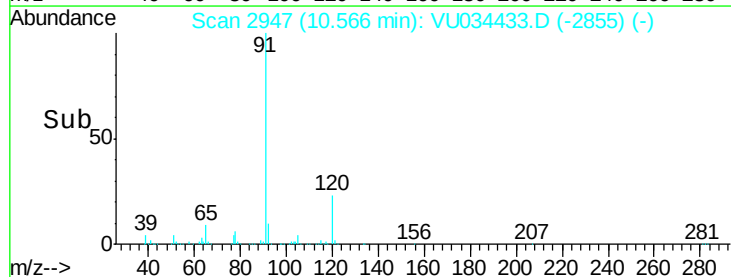
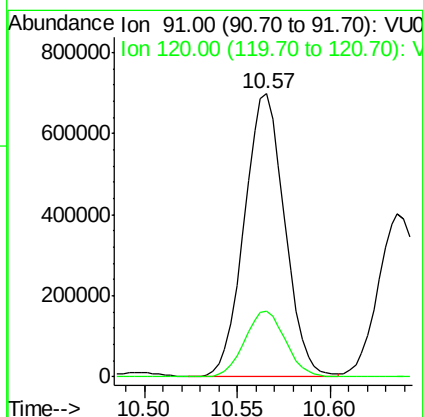
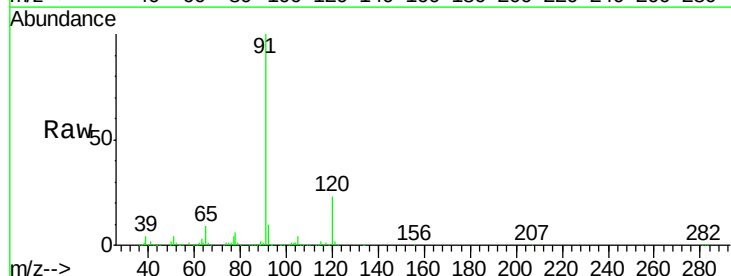
RT: 10.57 min Scan# 2947

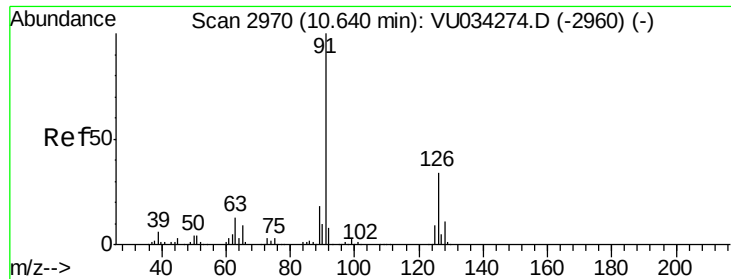
Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Tgt Ion:	91	Resp:	1051597
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.7	35.0





#79

2-Chlorotoluene

Concen: 50.120 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 625579

Ion Ratio Lower Upper

91 100

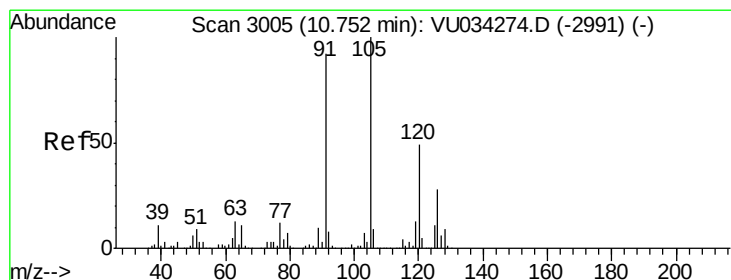
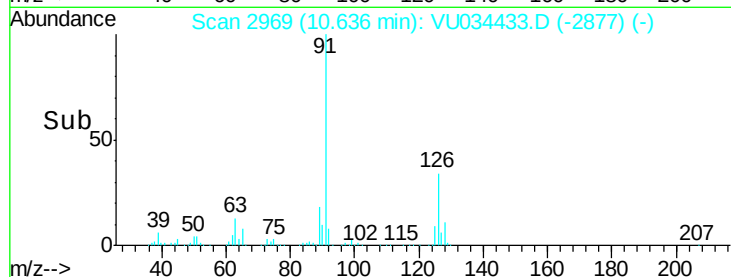
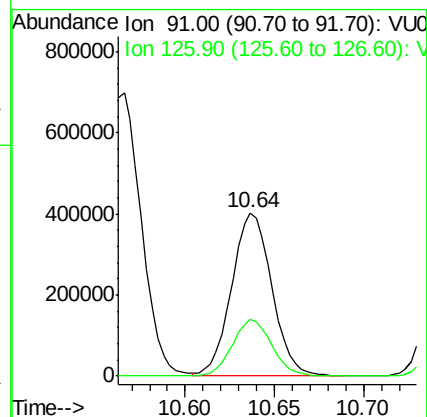
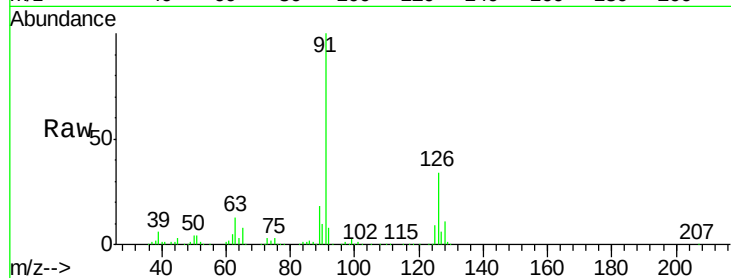
126 34.9 17.3 51.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.881 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034433.D

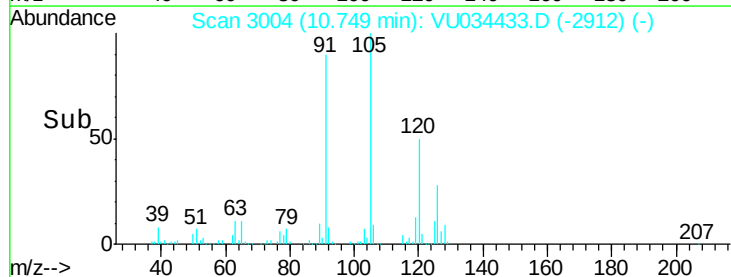
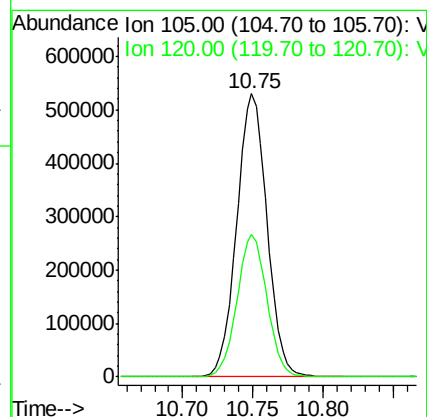
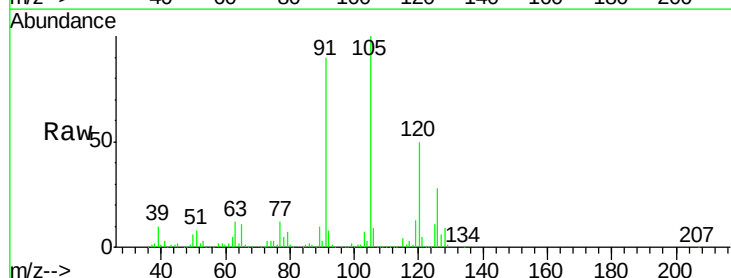
Acq: 09 Sep 2019 15:09

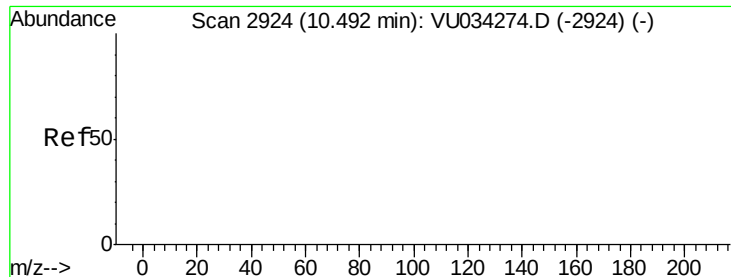
Tgt Ion: 105 Resp: 798175

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 53.213 ug/l m

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

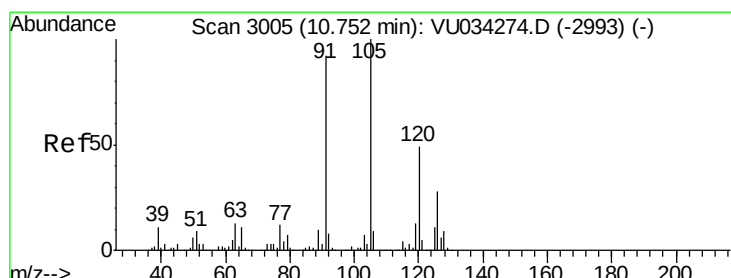
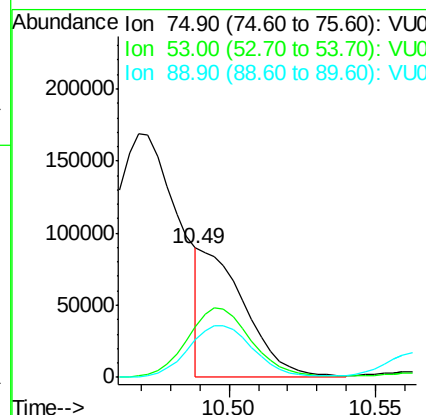
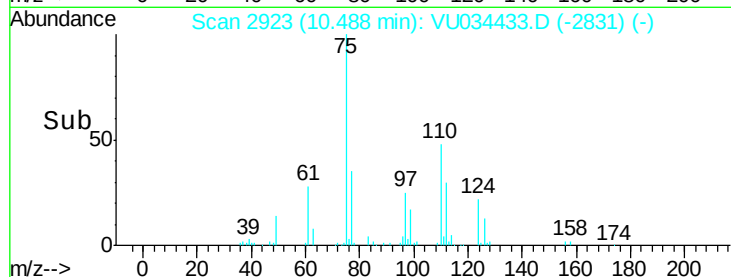
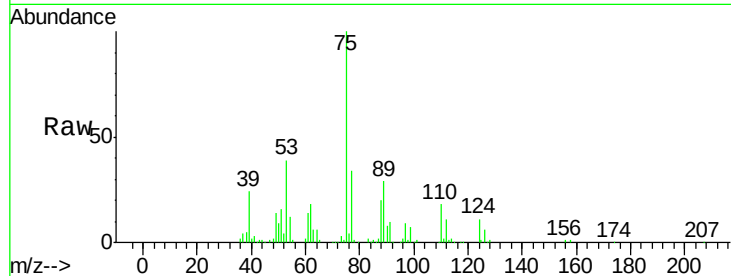
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.852 ug/l

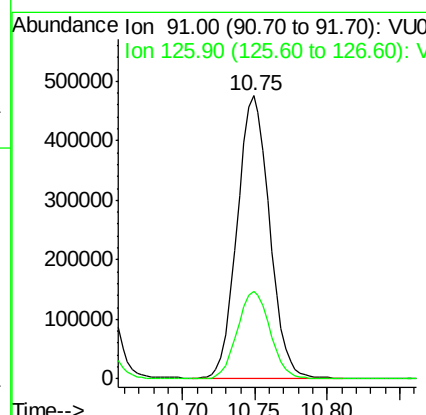
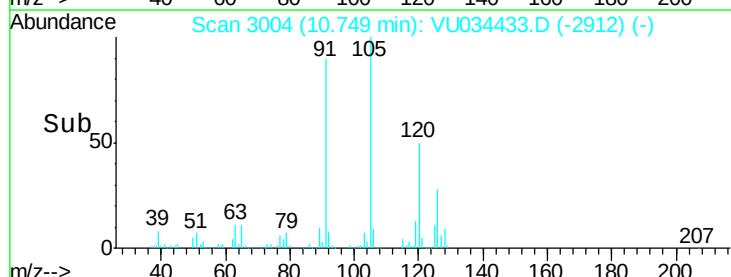
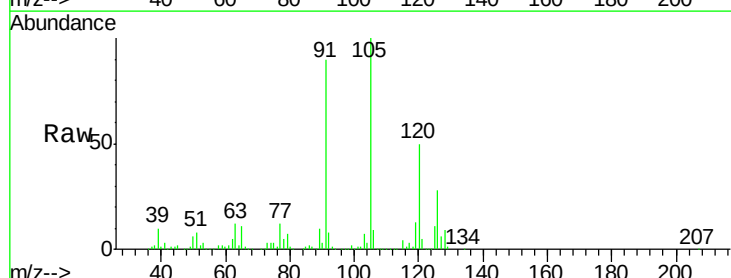
RT: 10.75 min Scan# 3004

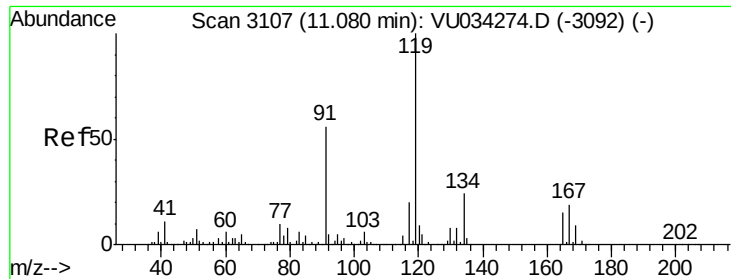
Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.3	45.8





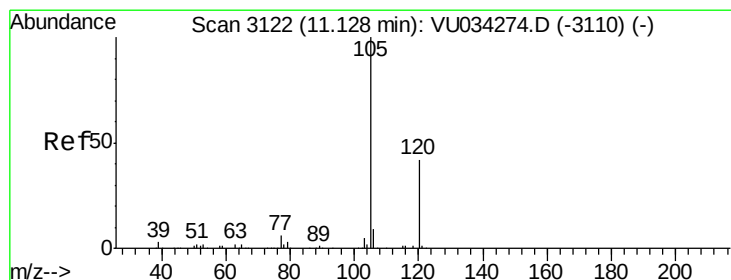
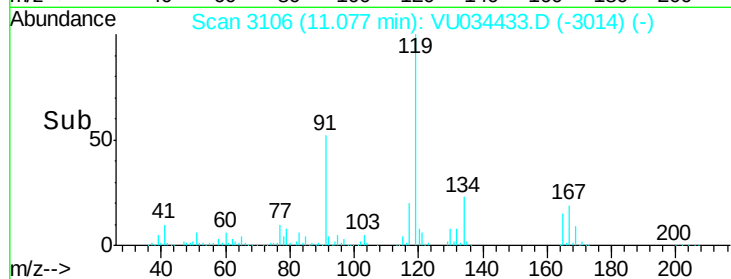
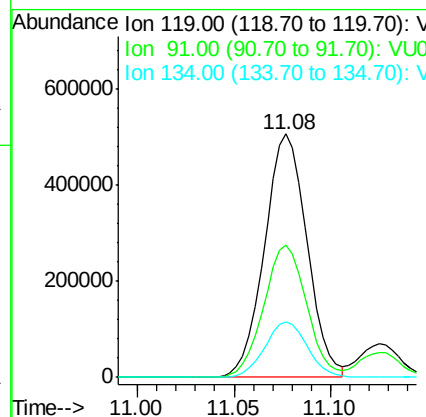
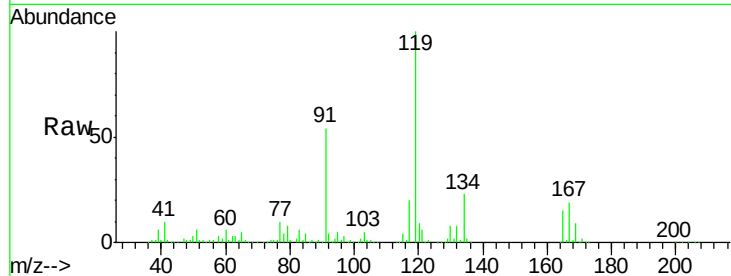
#83
 tert-Butylbenzene
 Concen: 52.099 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.6	27.8	83.4
134	22.8	11.7	35.0

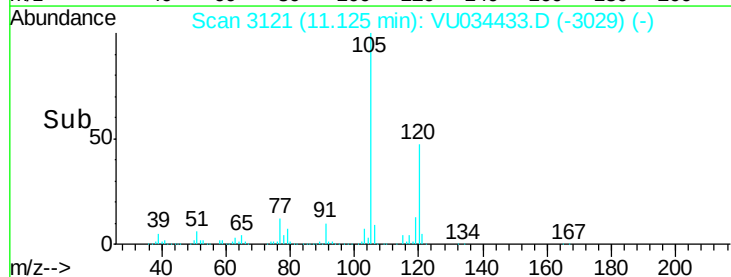
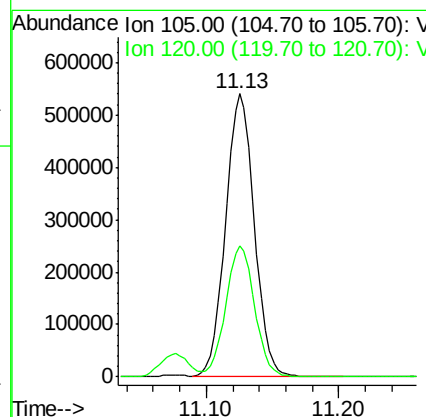
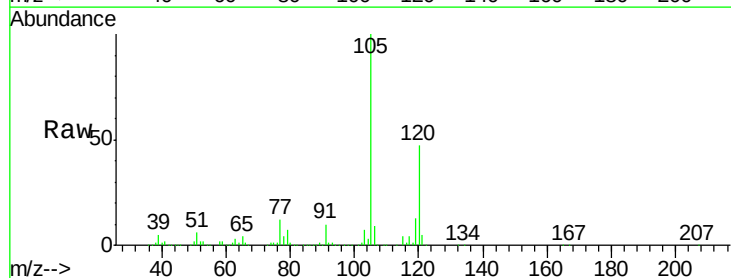
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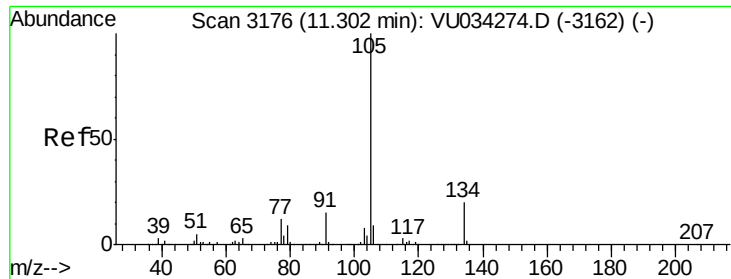
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.300 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.9	68.8





#85

sec-Butylbenzene

Concen: 52.942 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 926229

Ion Ratio Lower Upper

105 100

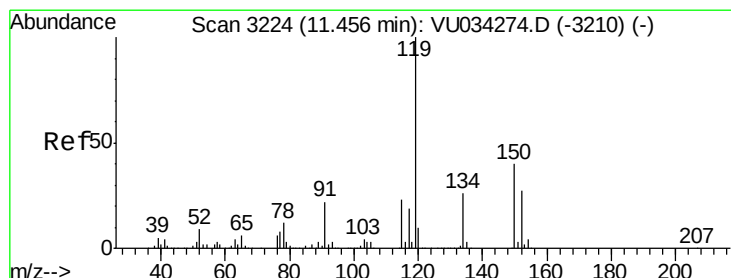
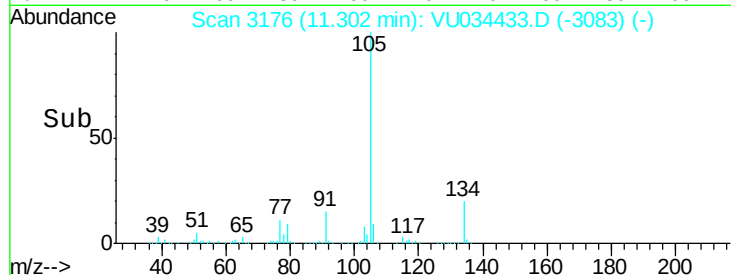
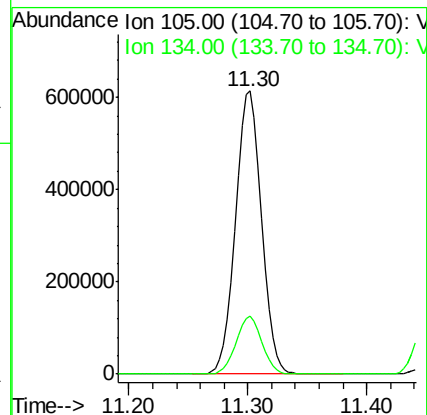
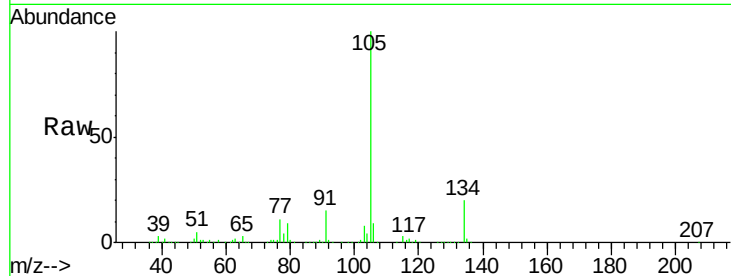
134 20.4 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 54.344 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

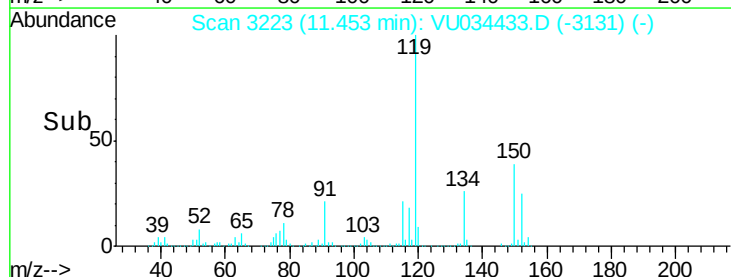
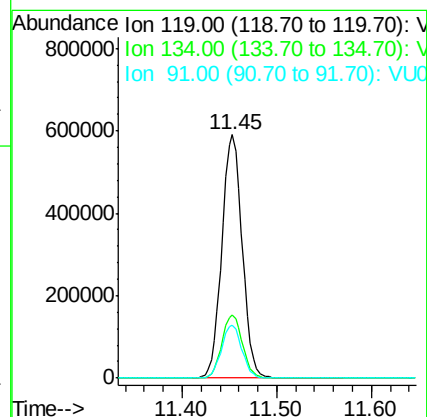
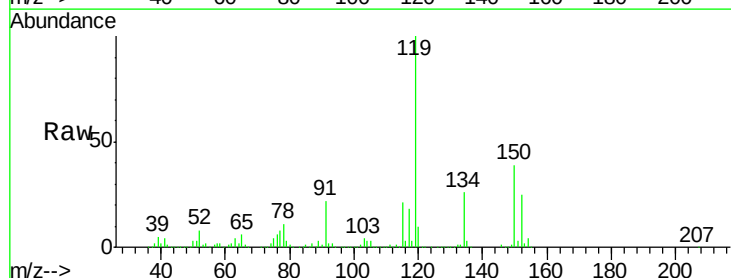
Tgt Ion:119 Resp: 877539

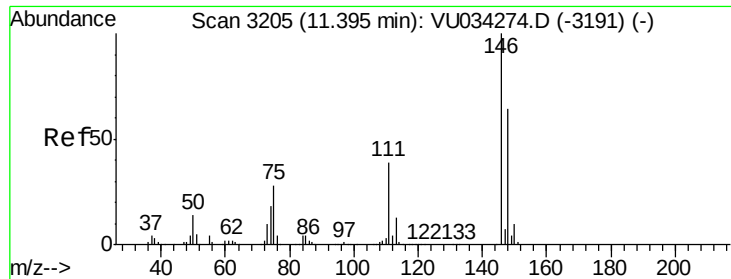
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 21.8 11.2 33.6





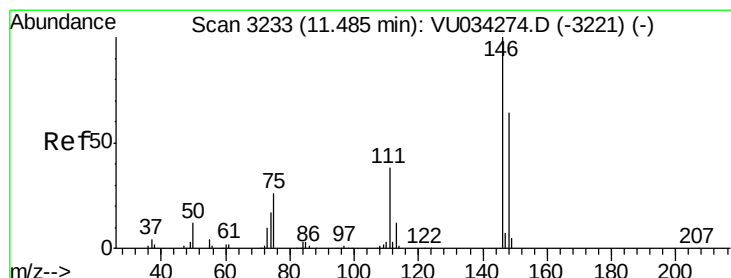
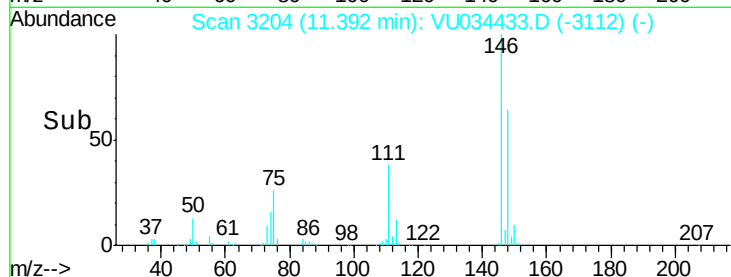
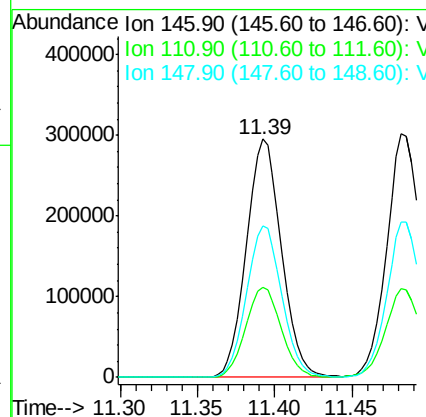
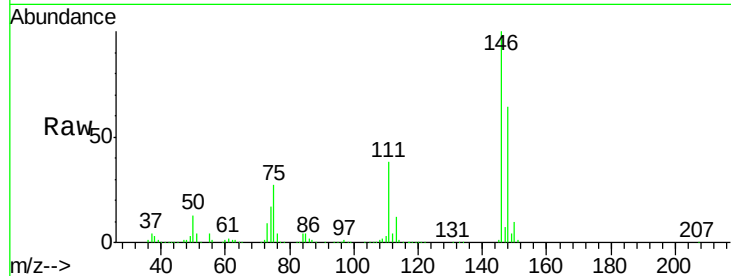
#87
 1,3-Dichlorobenzene
 Concen: 51.544 ug/l
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.5	58.5
148	64.0	32.1	96.3

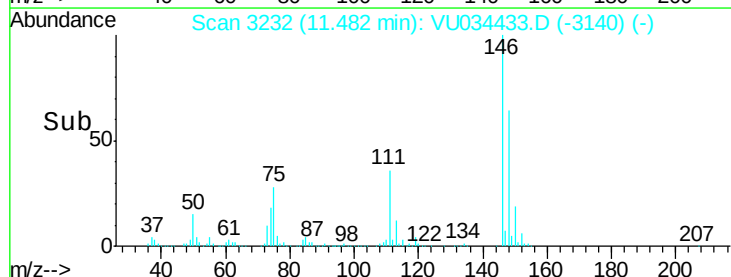
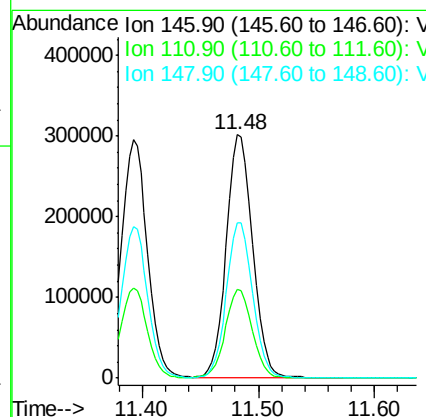
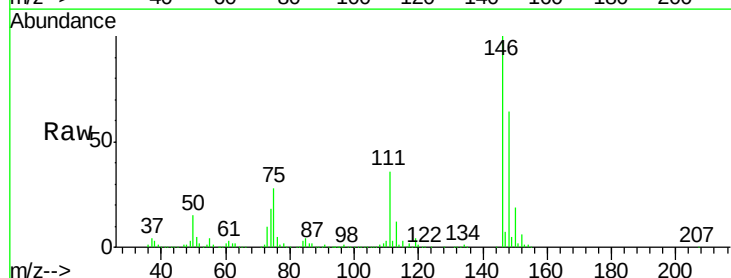
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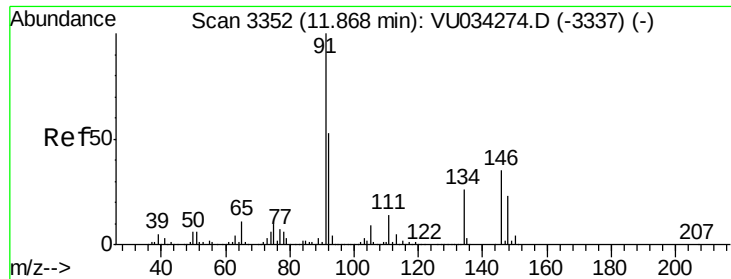
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#88
 1,4-Dichlorobenzene
 Concen: 50.328 ug/l
 RT: 11.48 min Scan# 3232
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.1	57.3
148	63.0	32.0	96.0





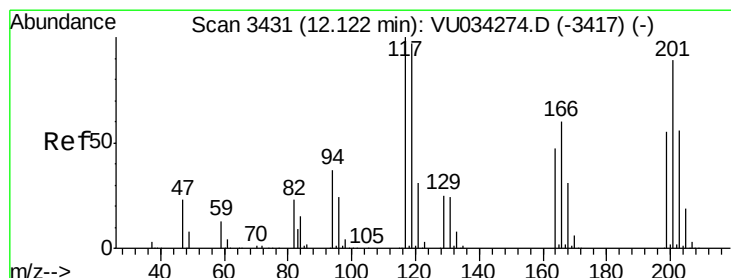
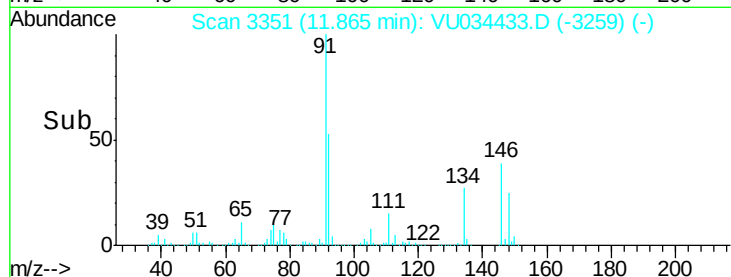
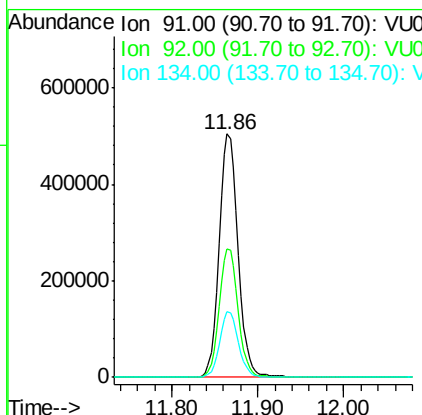
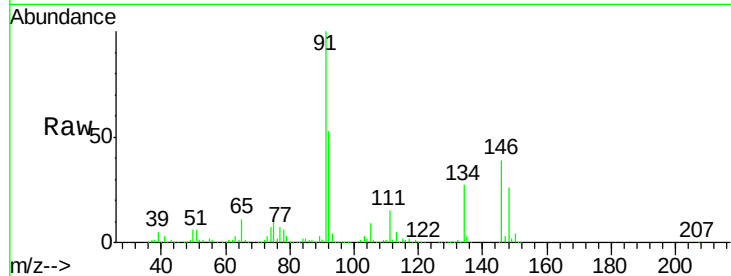
#89
n-Butylbenzene
Concen: 54.873 ug/l
RT: 11.86 min Scan# 3351
Delta R.T. -0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.4
134	26.8	13.2	39.6

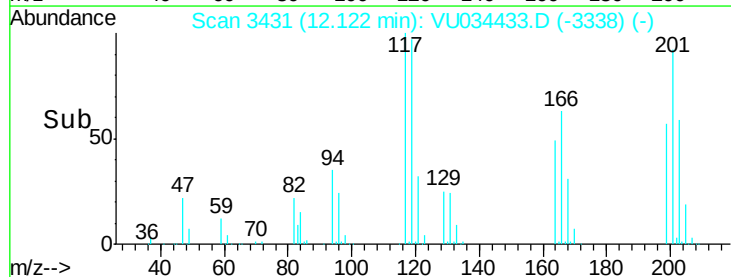
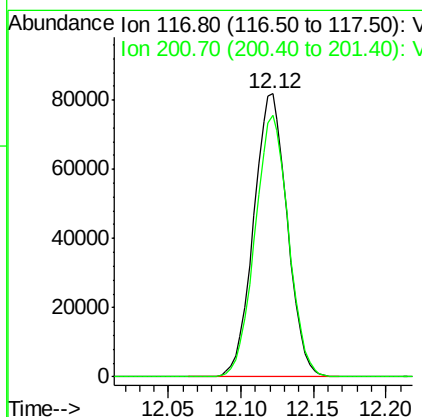
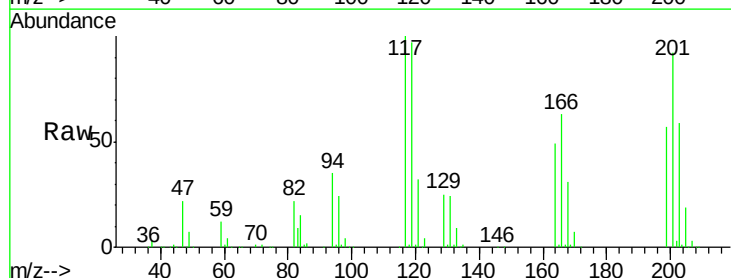
Manual Integrations
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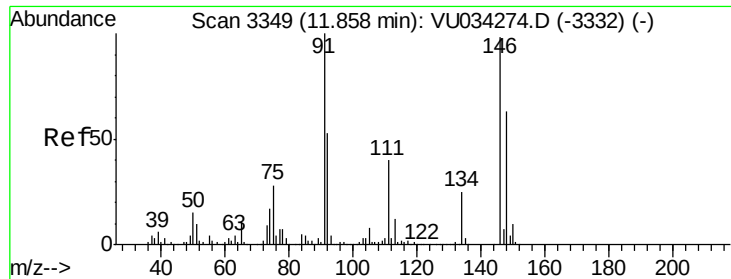
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#90
Hexachloroethane
Concen: 51.172 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034433.D
Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.1	44.1	132.4





#91

1,2-Dichlorobenzene

Concen: 52.970 ug/l

RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

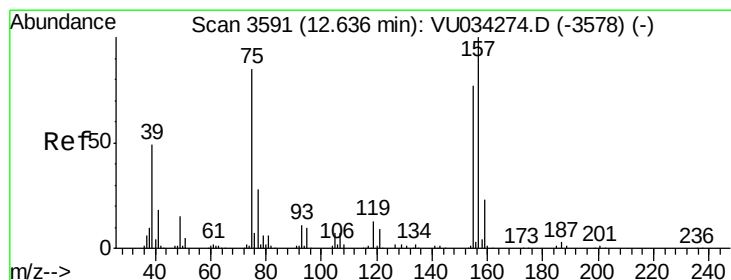
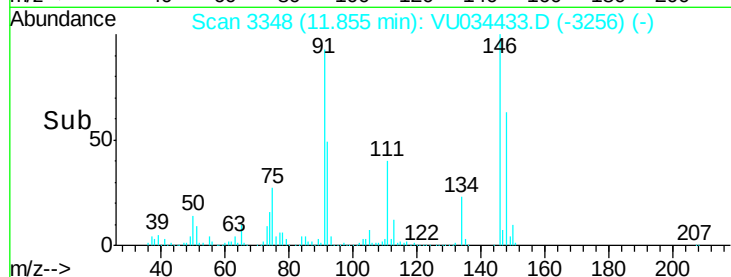
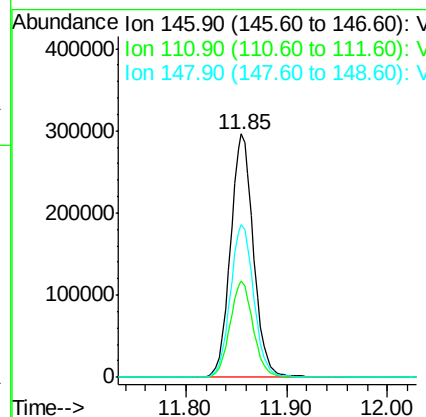
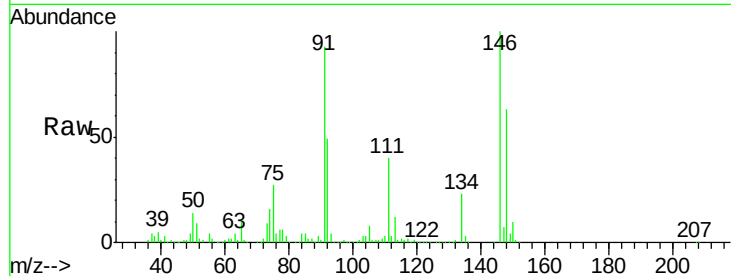
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	470472
Ion Ratio	Lower	Upper	
146	100		
111	39.8	20.0	60.0
148	64.2	31.6	94.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 55.480 ug/l

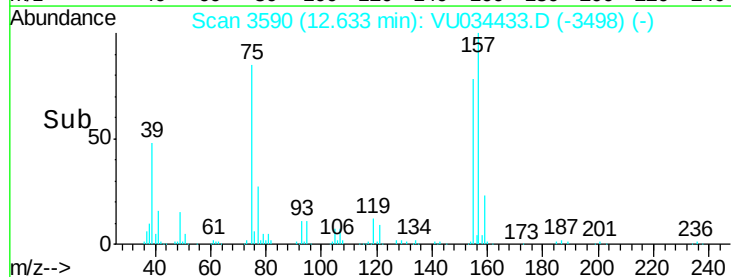
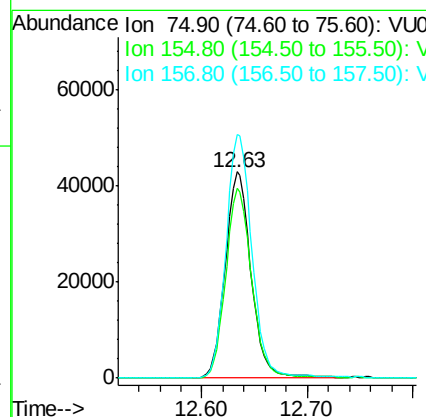
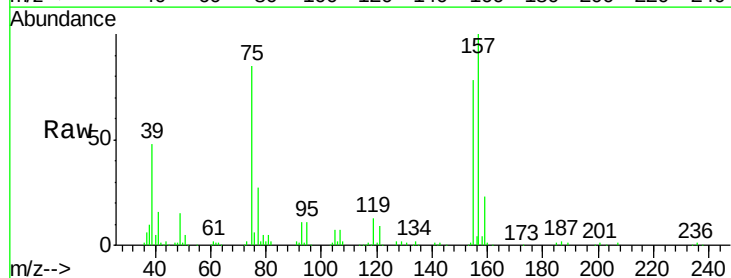
RT: 12.63 min Scan# 3590

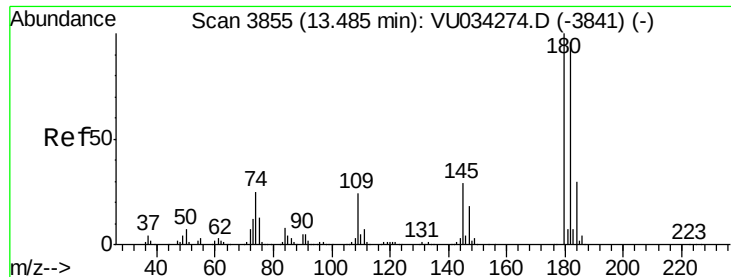
Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Tgt Ion:	75	Resp:	73094
Ion Ratio	Lower	Upper	
75	100		
155	91.8	44.6	134.0
157	118.6	58.2	174.6





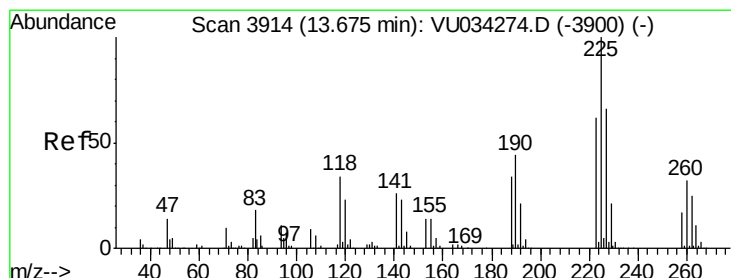
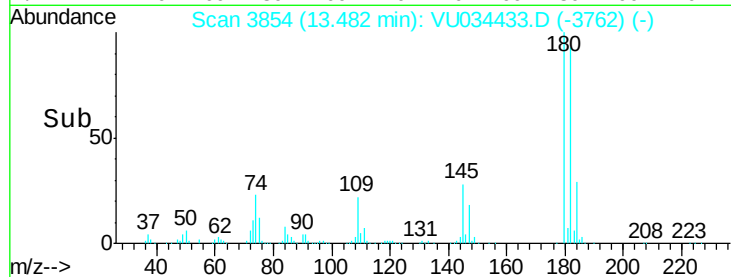
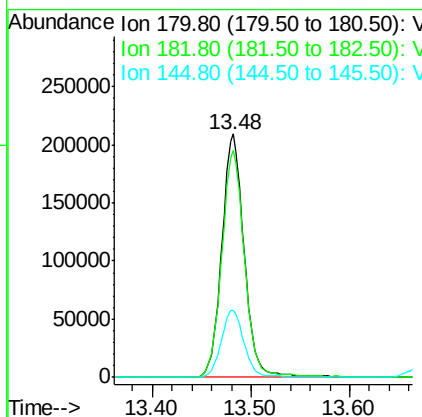
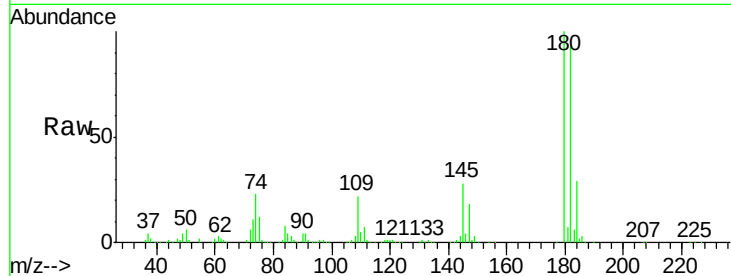
#93
 1,2,4-Trichlorobenzene
 Concen: 51.672 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	47.9	143.8	
145	28.1	14.4	43.0	

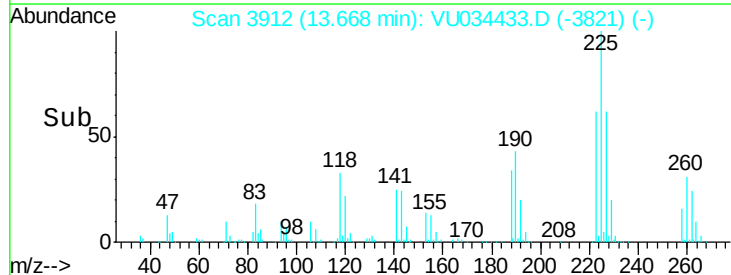
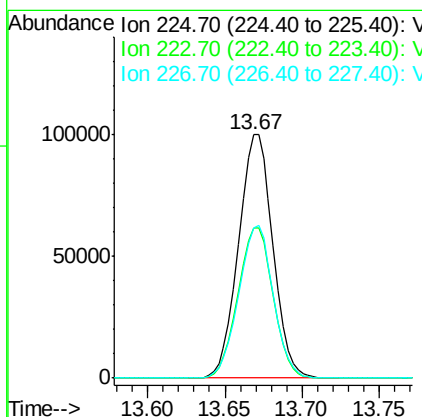
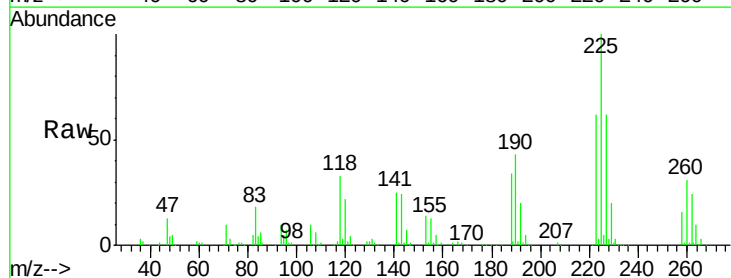
Manual Integrations
 APPROVED

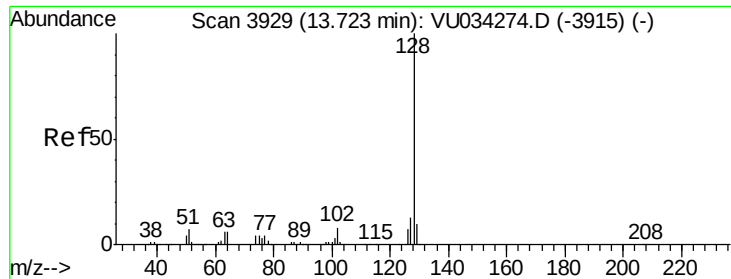
MMDadoda
 9/10/2019 4:17:58 PM



#94
 Hexachlorobutadiene
 Concen: 49.799 ug/l
 RT: 13.67 min Scan# 3912
 Delta R.T. -0.01 min
 Lab File: VU034433.D
 Acq: 09 Sep 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.6	94.7	
227	62.9	32.3	96.8	





#95

Naphthalene

Concen: 50.132 ug/l

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Instrument :

MSVOA_U

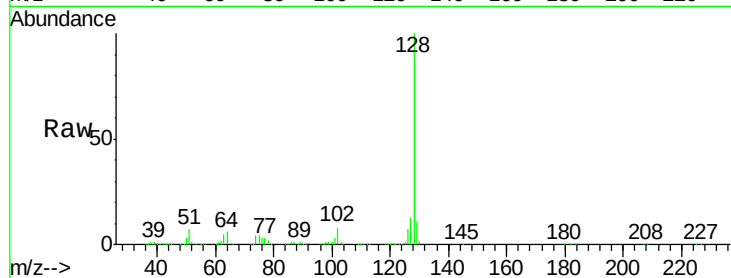
ClientSampleId :

VSTDCCC050EC

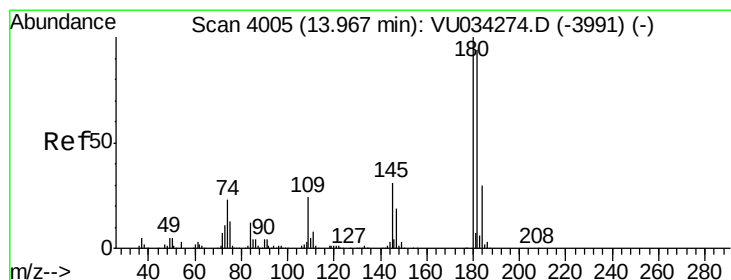
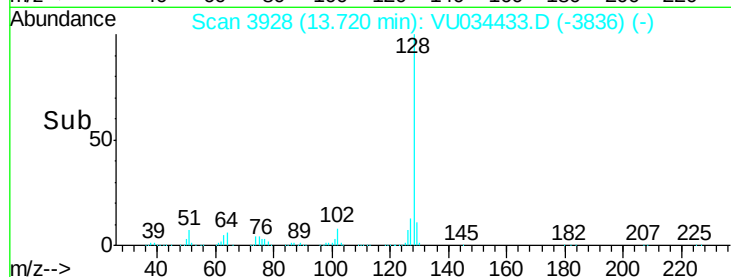
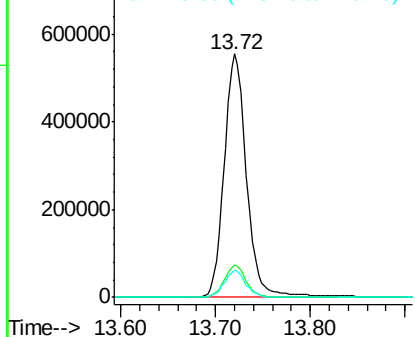
Tot Ion:	128	Resp:	909595
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.8	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:17:58 PM



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: 53.267 ug/l

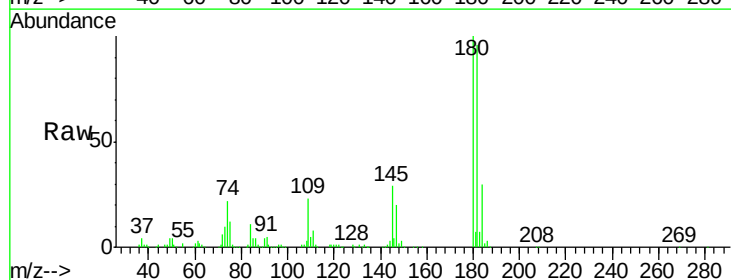
RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034433.D

Acq: 09 Sep 2019 15:09

Tgt Ion:	180	Resp:	332553
Ion Ratio	Lower	Upper	
180	100		
182	96.7	48.4	145.0
145	30.2	15.4	46.4



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

