

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U091219\
 Data File : VU034521.D
 Acq On : 12 Sep 2019 15:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:16:48 AM

Quant Time: Sep 13 07:47:38 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	241615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	341017	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	340385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	235485	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	187042	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	4.86	113	168048	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
50) Toluene-d8	7.54	98	630282	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
62) 4-Bromofluorobenzene	10.29	95	252806	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	127209	50.341	ug/l	98
3) Chloromethane	1.33	50	143701	52.641	ug/l	98
4) Vinyl Chloride	1.40	62	153149	48.636	ug/l	99
5) Bromomethane	1.61	94	94441	59.940	ug/l	98
6) Chloroethane	1.69	64	99520	54.466	ug/l	97
7) Trichlorofluoromethane	1.87	101	225613	53.436	ug/l	99
8) Diethyl Ether	2.09	74	98589	53.086	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	150755	53.910	ug/l	99
10) Methyl Iodide	2.40	142	136611	53.135	ug/l	99
11) Tert butyl alcohol	2.81	59	220891	286.010	ug/l	100
12) 1,1-Dichloroethene	2.27	96	137682	52.375	ug/l	96
13) Acrolein	2.18	56	126120	194.292	ug/l	99
14) Allyl chloride	2.58	41	254600m	50.659	ug/l	
15) Acrylonitrile	2.92	53	541997	281.813	ug/l	99
16) Acetone	2.31	43	526122	278.105	ug/l	99
17) Carbon Disulfide	2.46	76	256071	43.341	ug/l	99
18) Methyl Acetate	2.60	43	242501	52.680	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	545925	56.976	ug/l	99
20) Methylene Chloride	2.69	84	176473	57.008	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	142537	51.453	ug/l	98
22) Diisopropyl ether	3.55	45	554549	56.581	ug/l	98
23) Vinyl Acetate	3.51	43	2268898	284.201	ug/l	98
24) 1,1-Dichloroethane	3.42	63	310531	53.055	ug/l	100
25) 2-Butanone	4.23	43	727104	287.926	ug/l	99
26) 2,2-Dichloropropane	4.20	77	264105	56.104	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	185937	55.264	ug/l	99
28) Bromochloromethane	4.52	49	147030	54.614	ug/l	97
29) Tetrahydrofuran	4.61	42	426406	277.487	ug/l	99
30) Chloroform	4.65	83	319137	53.642	ug/l	100
31) Cyclohexane	4.97	56	213624	49.889	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	259377	54.529	ug/l	98
36) 1,1-Dichloropropene	5.11	75	202265	54.690	ug/l	99
37) Ethyl Acetate	4.36	43	244863	55.999	ug/l	98
38) Carbon Tetrachloride	5.11	117	220151	55.751	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	216923	54.868	ug/l	98
40) Benzene	5.37	78	660225	55.324	ug/l	98
41) Methacrylonitrile	4.52	41	139742	59.997	ug/l	99
42) 1,2-Dichloroethane	5.38	62	234482	56.593	ug/l	100
43) Isopropyl Acetate	5.53	43	386178	56.613	ug/l	99
44) Trichloroethene	6.16	130	182882	55.380	ug/l	99
45) 1,2-Dichloropropane	6.41	63	197687	56.665	ug/l	99
46) Dibromomethane	6.54	93	123292	56.301	ug/l	99
47) Bromodichloromethane	6.73	83	258096	57.257	ug/l	100
48) Methyl methacrylate	6.60	41	184727	57.017	ug/l	99
49) 1,4-Dioxane	6.59	88	85607	1210.053	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	1371980	290.569	ug/l	99
52) Toluene	7.61	92	431496	57.640	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	270961	57.987	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	303222	59.124	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	193692	56.981	ug/l	98
56) Ethyl methacrylate	8.00	69	280902	54.121	ug/l	100
57) 1,3-Dichloropropane	8.22	76	313620	56.660	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	407090	234.121	ug/l	100
59) 2-Hexanone	8.34	43	1057609	299.831	ug/l	99
60) Dibromochloromethane	8.45	129	216243	59.309	ug/l	97
61) 1,2-Dibromoethane	8.57	107	192213	57.772	ug/l	100
64) Tetrachloroethene	8.21	164	164773	55.798	ug/l	99
65) Chlorobenzene	9.10	112	500442	57.950	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	193437	58.694	ug/l	99
67) Ethyl Benzene	9.23	91	834404	59.094	ug/l	99
68) m/p-Xylenes	9.35	106	657990	123.752	ug/l	100
69) o-Xylene	9.76	106	317565	61.072	ug/l	99
70) Styrene	9.77	104	583565	64.011	ug/l	99
71) Bromoform	9.94	173	170380	59.652	ug/l	# 99
73) Isopropylbenzene	10.14	105	898927	58.658	ug/l	98
74) N-amyl acetate	9.99	43	355834	57.684	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	337547	54.416	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	287838m	55.997	ug/l	
77) Bromobenzene	10.43	156	244966	57.168	ug/l	97
78) n-propylbenzene	10.57	91	1039488	58.733	ug/l	99
79) 2-Chlorotoluene	10.64	91	625964	57.965	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	776378	60.575	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	75025m	49.084	ug/l	
82) 4-Chlorotoluene	10.75	91	727575	58.546	ug/l	99
83) tert-Butylbenzene	11.08	119	760344	59.302	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	778972	60.378	ug/l	99
85) sec-Butylbenzene	11.30	105	906876	59.912	ug/l	100
86) p-Isopropyltoluene	11.45	119	844486	60.445	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	447538	57.236	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	454191	55.690	ug/l	99
89) n-Butylbenzene	11.86	91	738101	60.793	ug/l	99
90) Hexachloroethane	12.12	117	125682	56.228	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	438145	57.016	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	66778	58.584	ug/l	99

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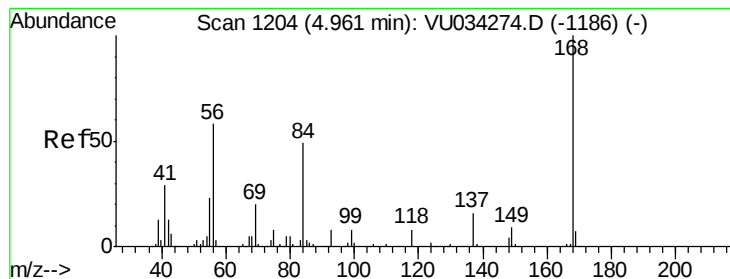
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	294112	52.580	ug/l	99
94) Hexachlorobutadiene	13.67	225	144150	53.626	ug/l	99
95) Naphthalene	13.72	128	781783	49.827	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	293577	54.297	ug/l	98

(#) = 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: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 241615

Ion Ratio Lower Upper

168 100

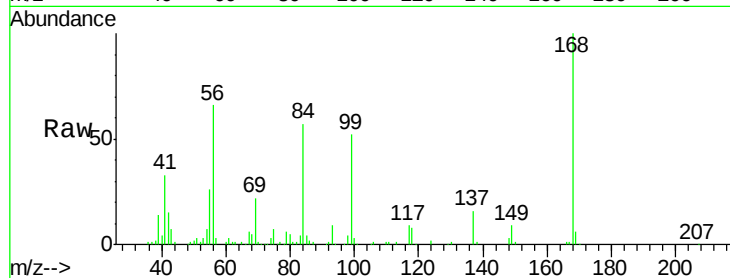
99 51.2 41.6 62.4

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Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

120000

100000

80000

60000

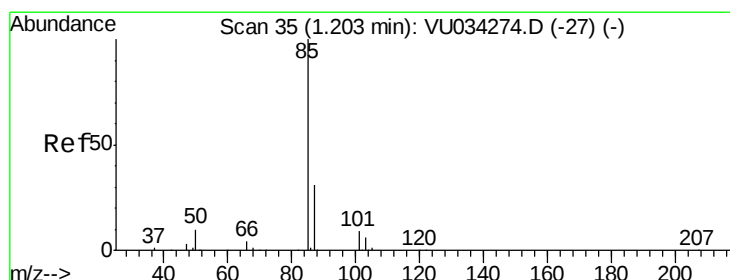
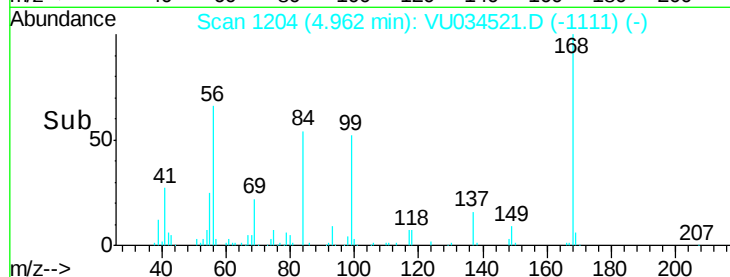
40000

20000

0

4.85 4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 50.341 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034521.D

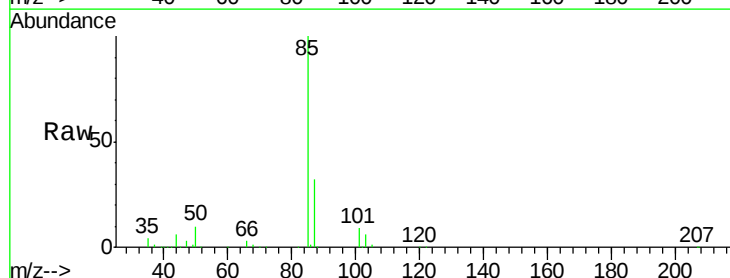
Acq: 12 Sep 2019 15:34

Tgt Ion: 85 Resp: 127209

Ion Ratio Lower Upper

85 100

87 32.4 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)

1.20

150000

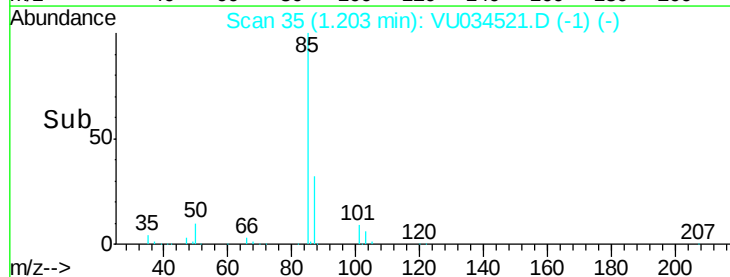
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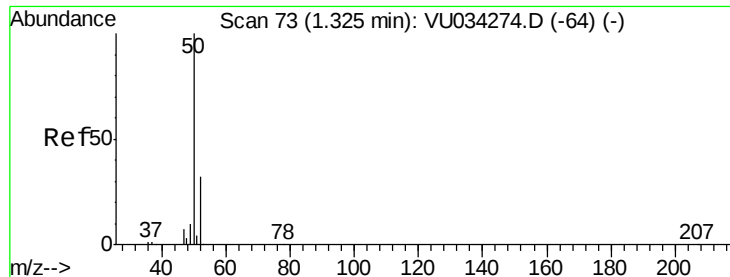
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 52.641 ug/l

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 143701

Ion Ratio Lower Upper

50 100

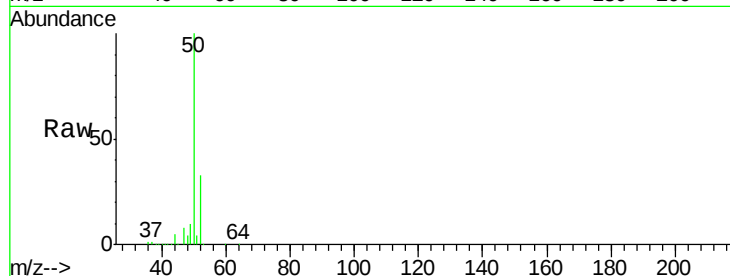
52 33.0 25.8 38.6

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Abundance Ion 49.90 (49.60 to 50.60): VU034274.D (-64) (-)

Ion 51.90 (51.60 to 52.60): VU034521.D (-1) (-)

1.33

150000

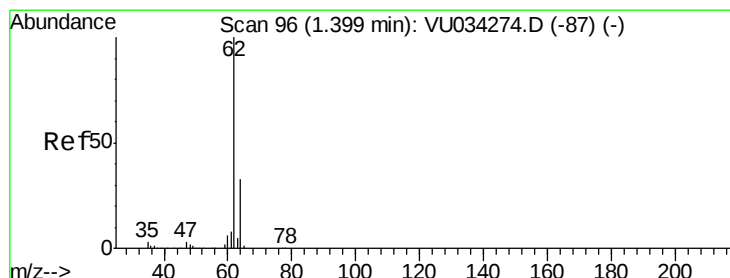
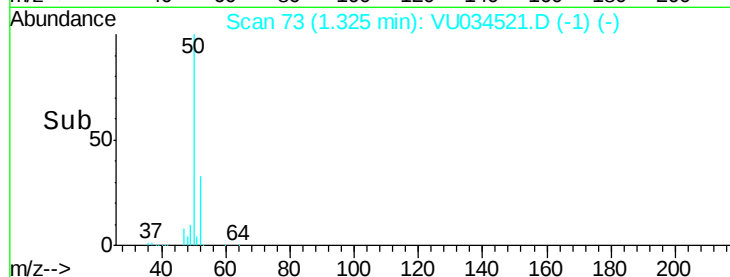
100000

50000

0

1.30 1.35

Time-->



#4

Vinyl Chloride

Concen: 48.636 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034521.D

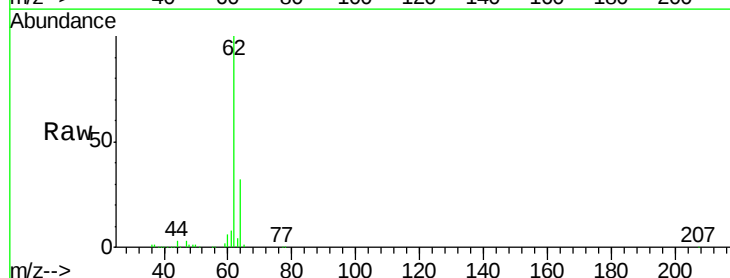
Acq: 12 Sep 2019 15:34

Tgt Ion: 62 Resp: 153149

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034274.D (-87) (-)

Ion 63.90 (63.60 to 64.60): VU034521.D (-3) (-)

1.40

150000

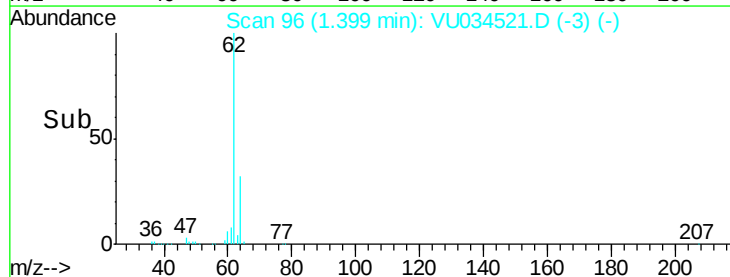
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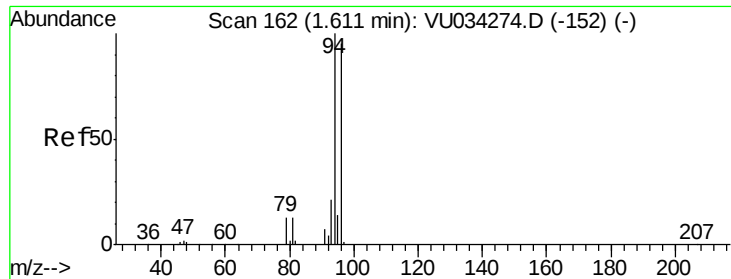
50000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 59.940 ug/l

RT: 1.61 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 94441

Ion Ratio Lower Upper

94 100

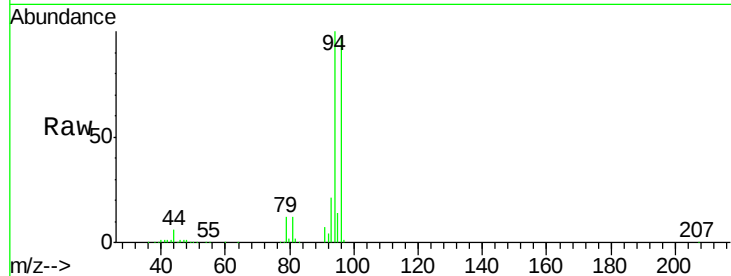
96 96.7 75.7 113.5

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Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)

1.61

80000

60000

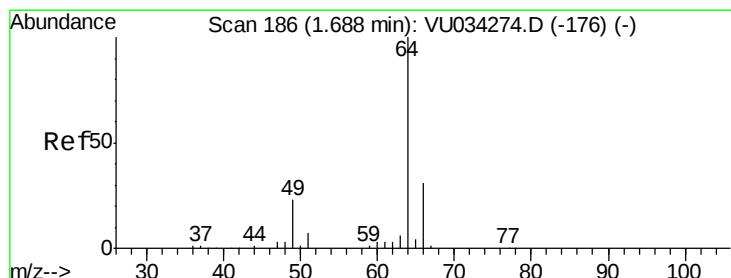
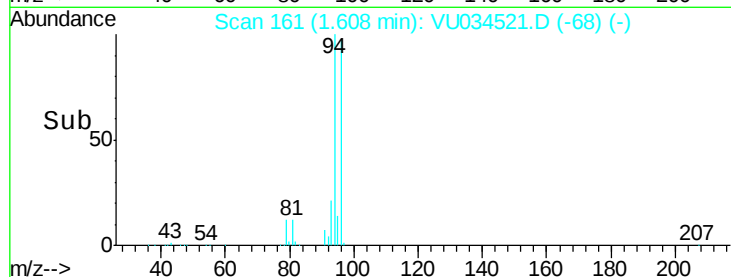
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 54.466 ug/l

RT: 1.69 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034521.D

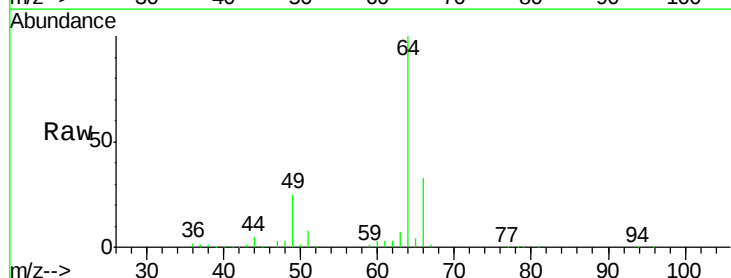
Acq: 12 Sep 2019 15:34

Tgt Ion: 64 Resp: 99520

Ion Ratio Lower Upper

64 100

66 33.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034274.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034274.D (-176) (-)

1.69

80000

60000

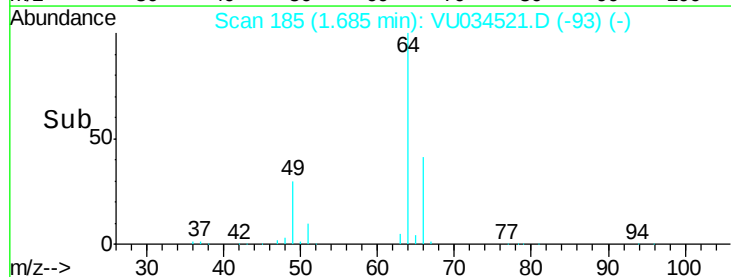
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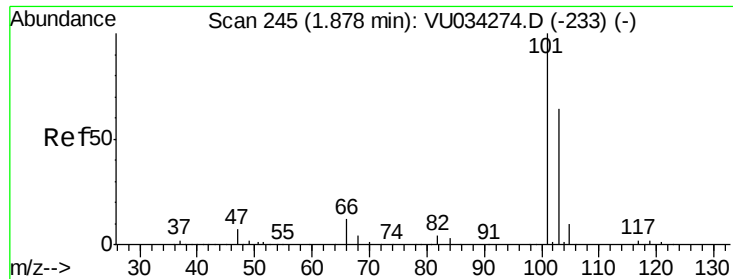
20000

0

1.65 1.70 1.75

Time-->





#7

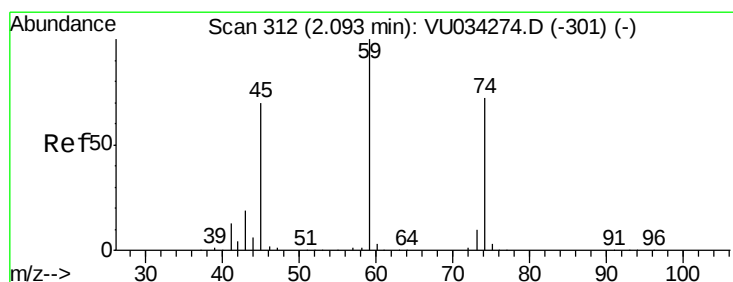
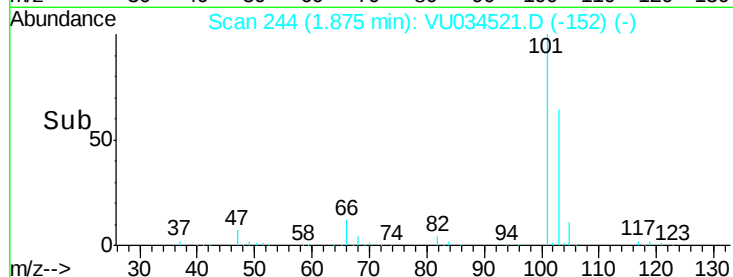
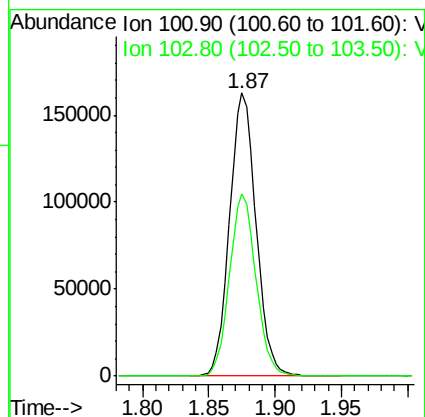
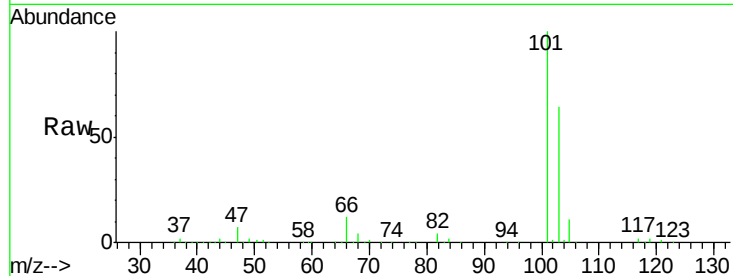
Trichlorofluoromethane
Concen: 53.436 ug/l
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 225613
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.6

Manual Integrations
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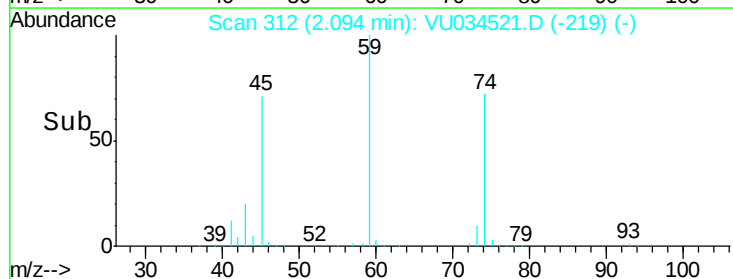
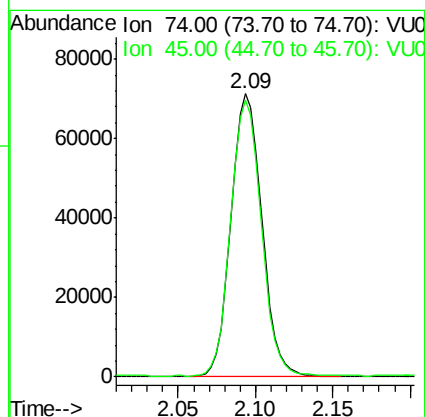
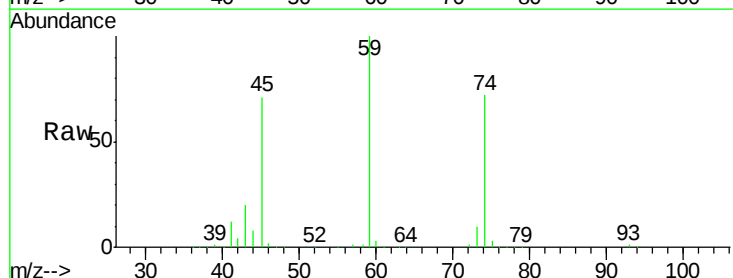
MMDadoda
9/16/2019 11:16:48 AM



#8

Diethyl Ether
Concen: 53.086 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion: 74 Resp: 98589
Ion Ratio Lower Upper
74 100
45 96.5 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.910 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

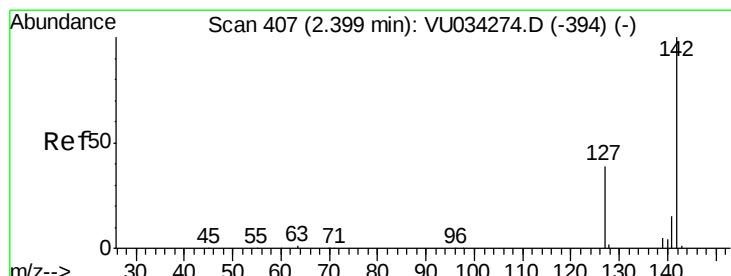
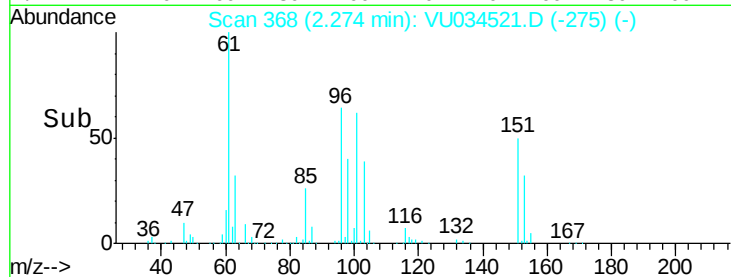
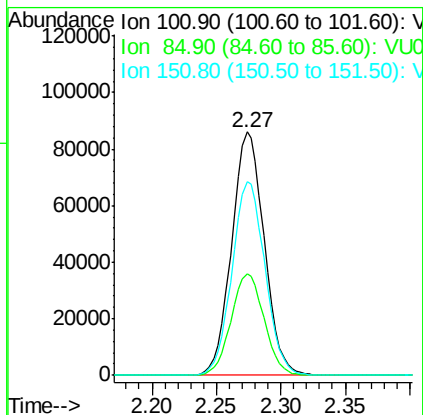
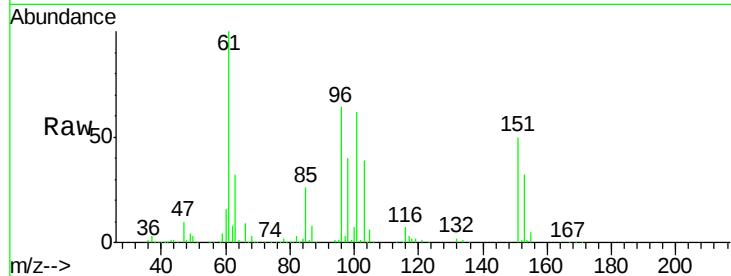
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	150755
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.4	51.6
151	81.0	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 53.135 ug/l

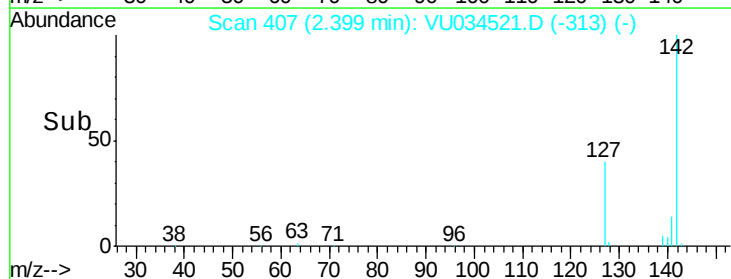
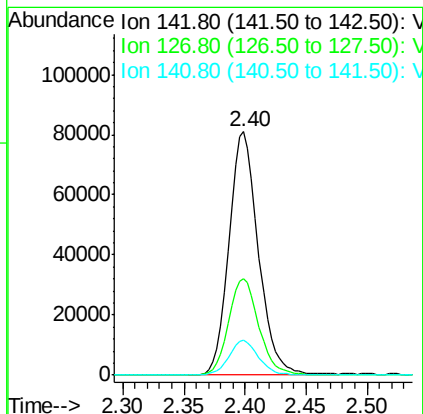
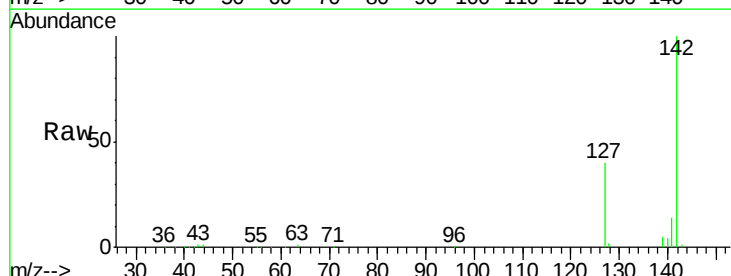
RT: 2.40 min Scan# 407

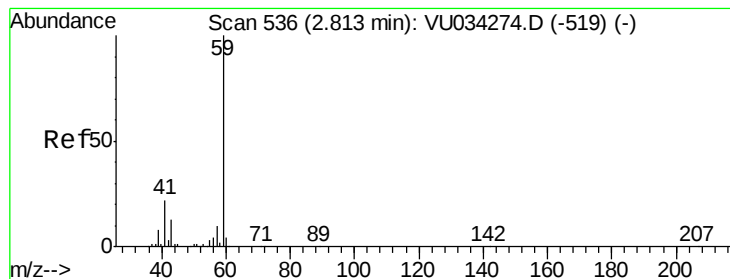
Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Tgt Ion:	142	Resp:	136611
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.1	48.1
141	14.3	11.5	17.3





#11

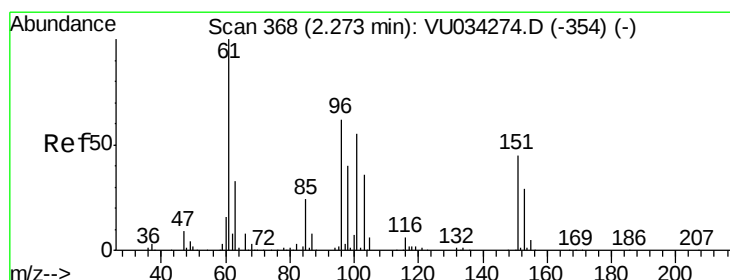
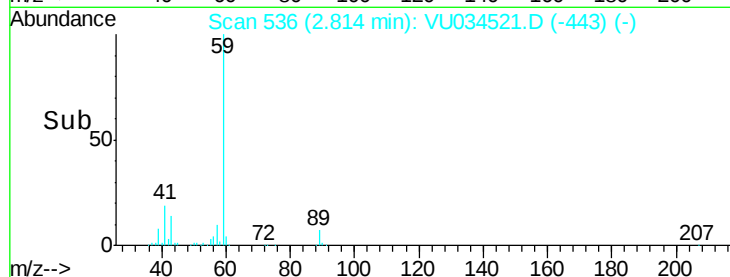
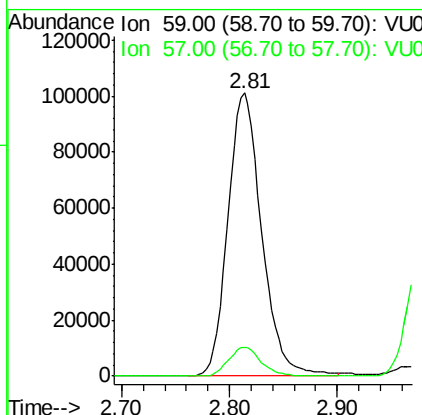
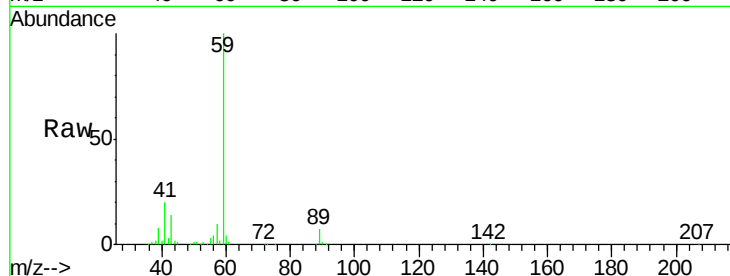
Tert butyl alcohol
 Concen: 286.010 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	220891		
57	9.9		7.9	11.9

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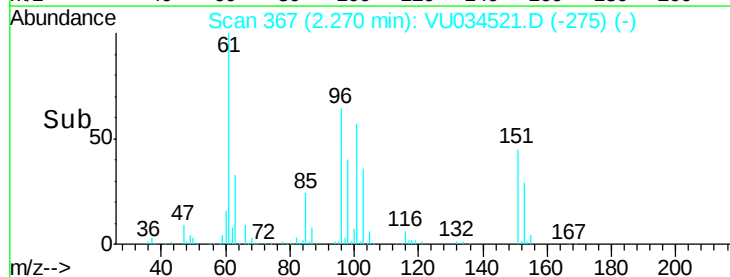
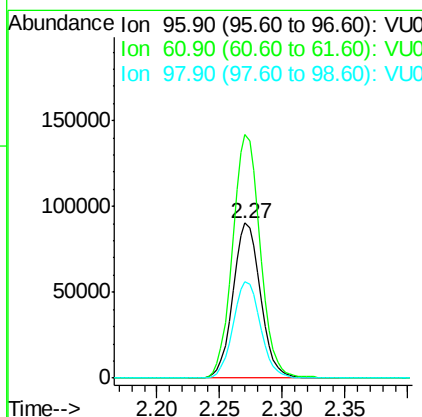
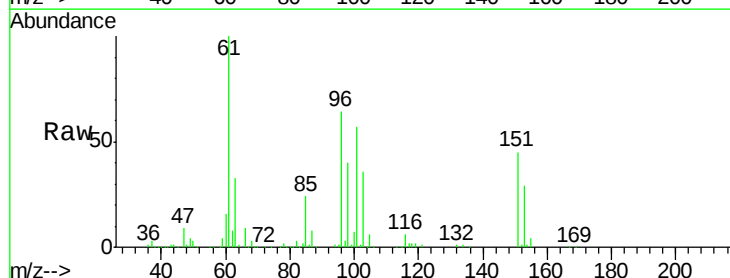
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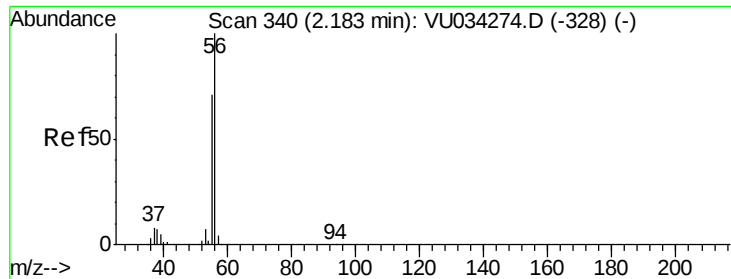


#12

1,1-Dichloroethene
 Concen: 52.375 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	137682		
61	157.0		130.0	195.0
98	62.2		52.2	78.4





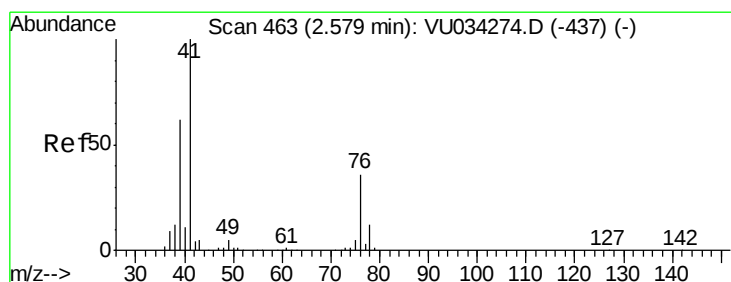
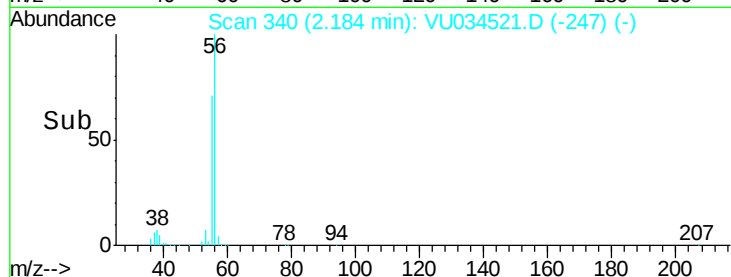
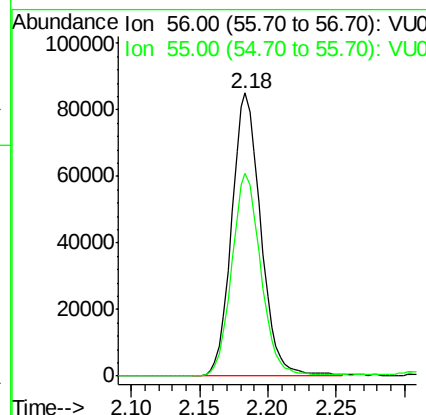
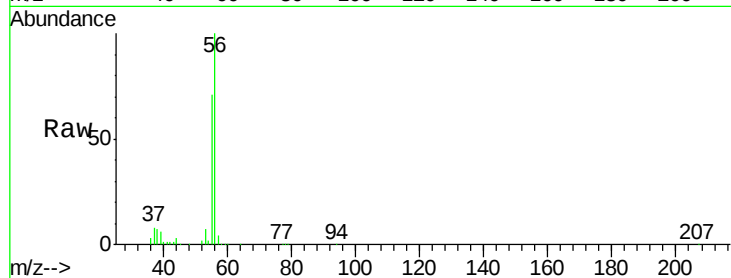
#13
Acrolein
Concen: 194.292 ug/l
RT: 2.18 min Scan# 340
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.4	86.2

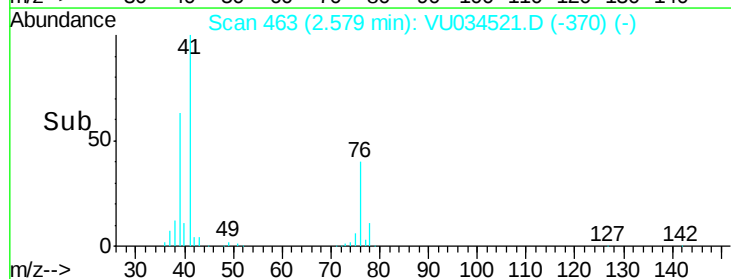
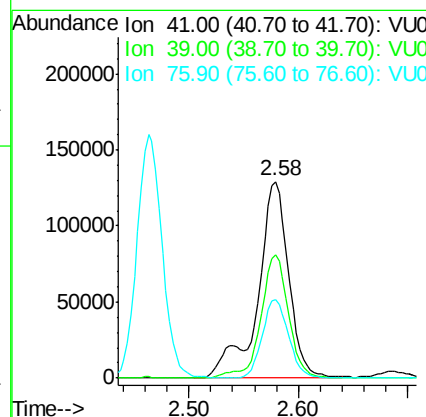
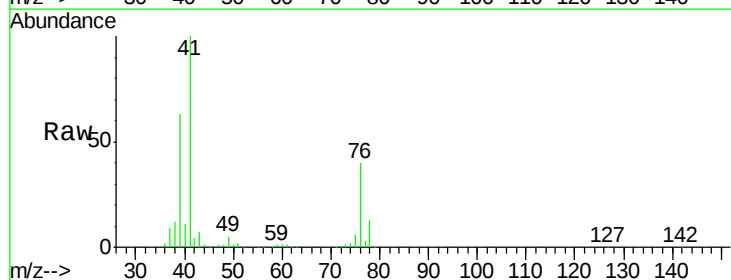
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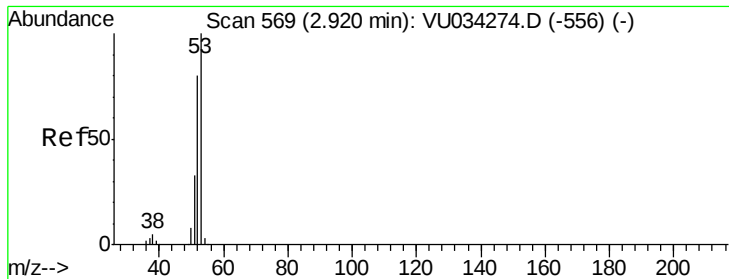
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#14
Allyl chloride
Concen: 50.659 ug/l m
RT: 2.58 min Scan# 463
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.0	43.5	65.3
76	33.7	27.0	40.6





#15

Acrylonitrile

Concen: 281.813 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

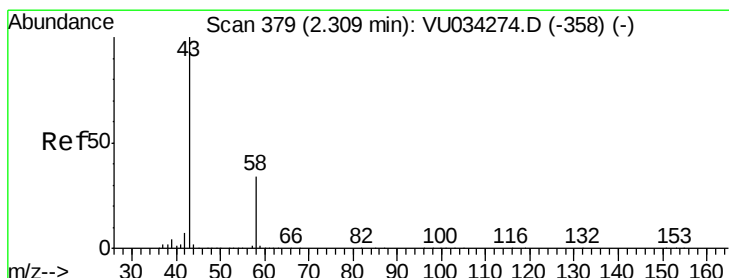
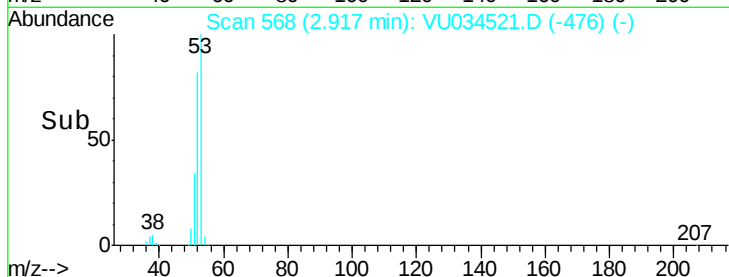
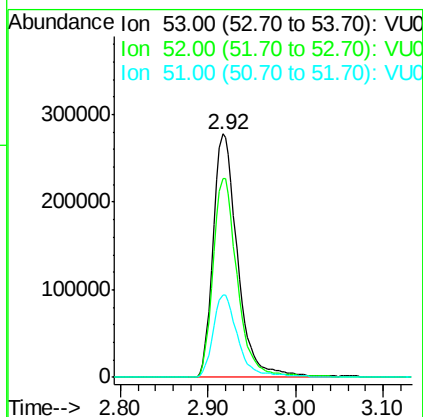
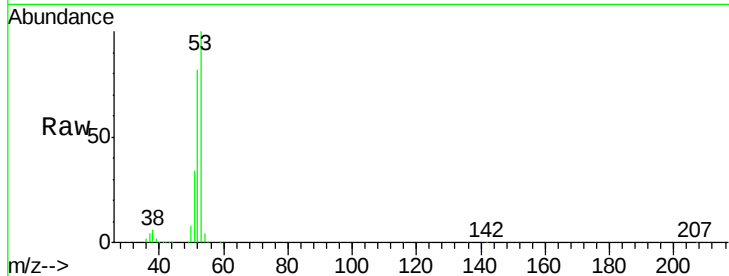
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	541997
Ion	Ratio	Lower	Upper
53	100		
52	81.4	64.1	96.1
51	34.8	27.4	41.0

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#16

Acetone

Concen: 278.105 ug/l

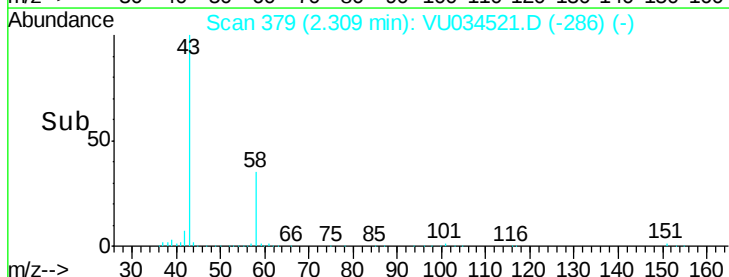
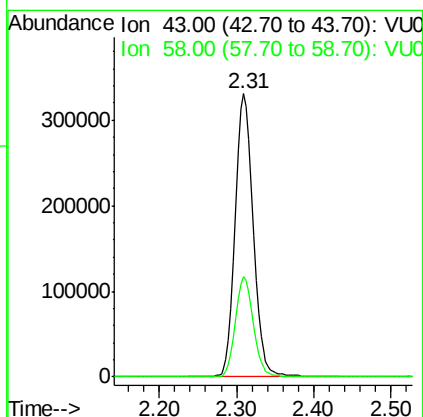
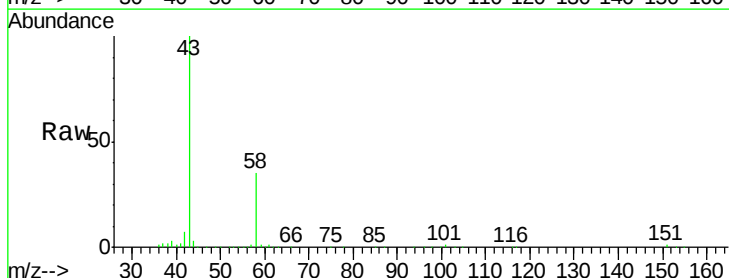
RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Tgt Ion:	43	Resp:	526122
Ion	Ratio	Lower	Upper
43	100		
58	35.3	27.6	41.4





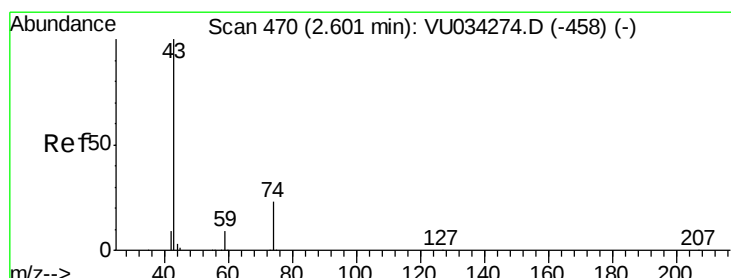
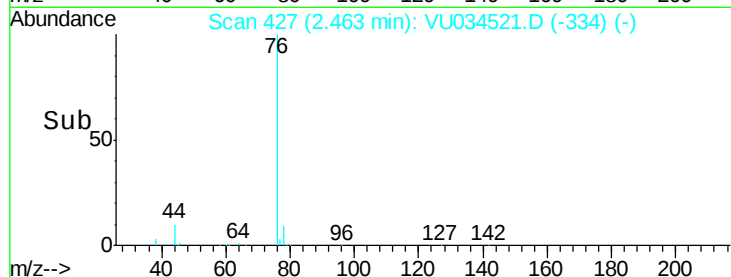
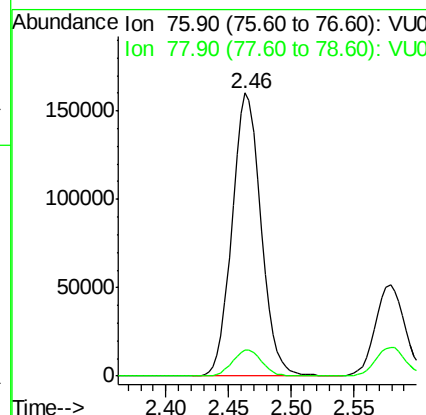
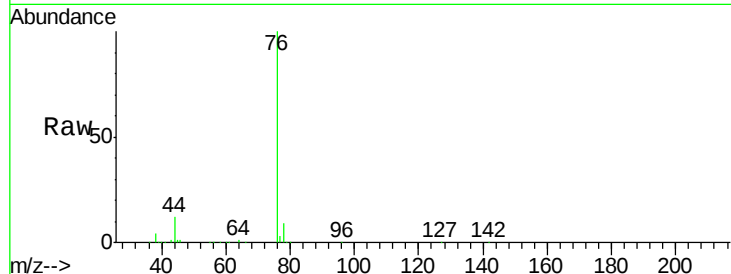
#17
Carbon Disulfide
Concen: 43.341 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

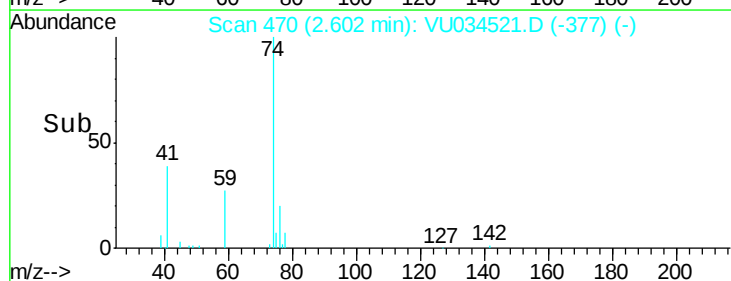
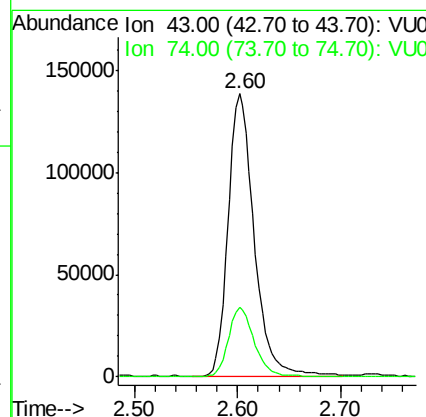
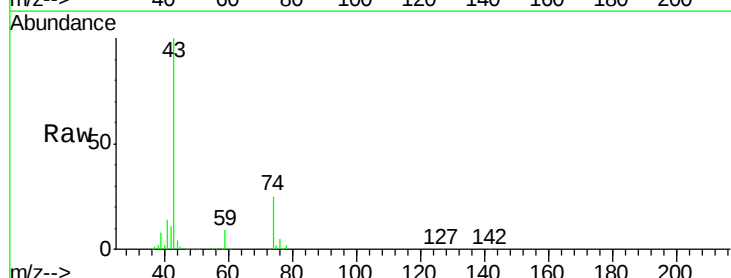
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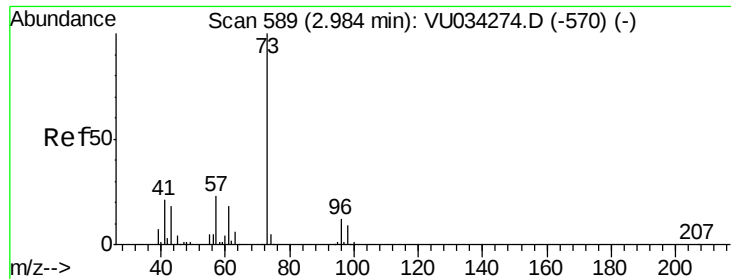
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#18
Methyl Acetate
Concen: 52.680 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	18.9	28.3





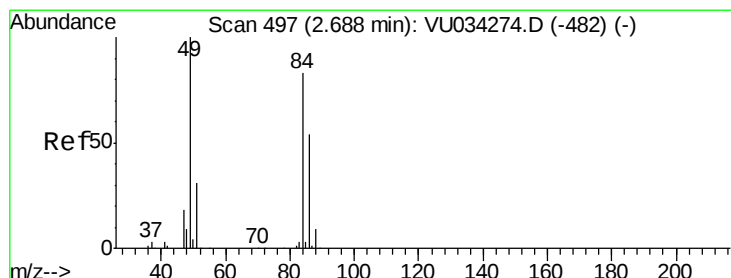
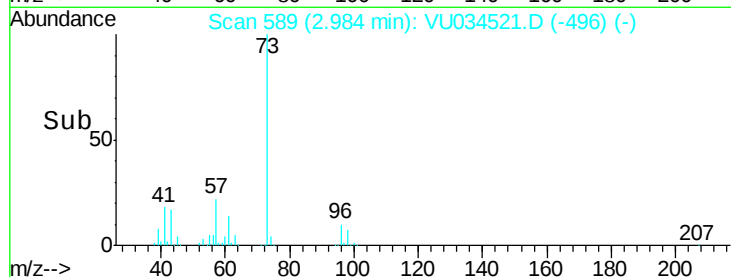
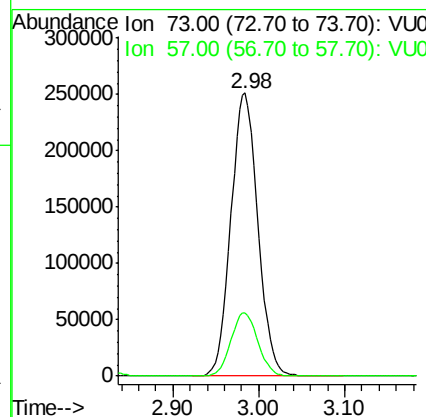
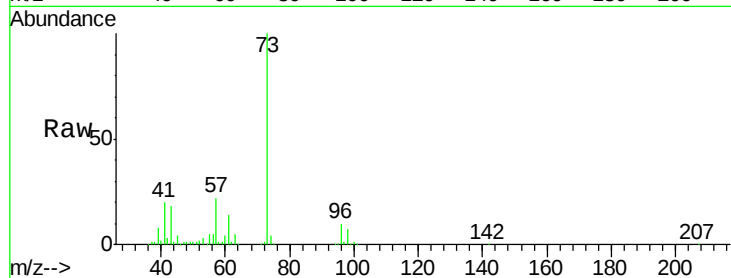
#19
Methvl tert-butvl Ether
Concen: 56.976 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.2	27.4

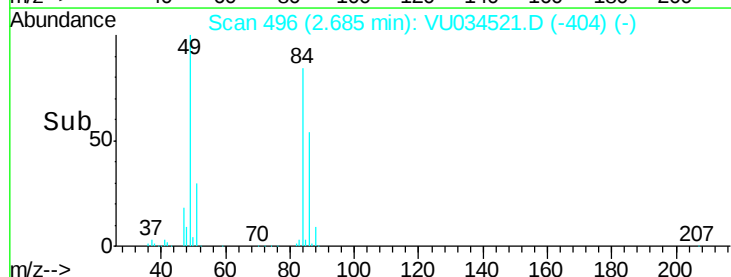
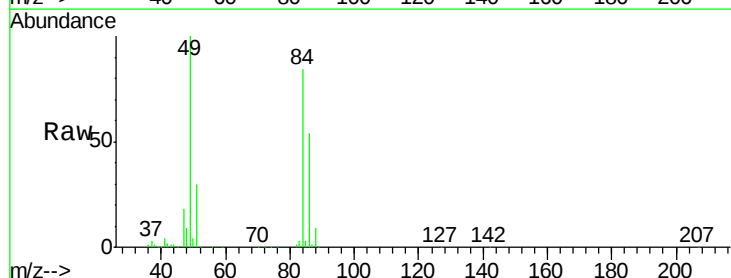
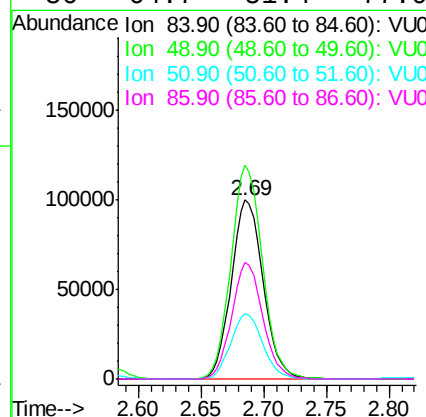
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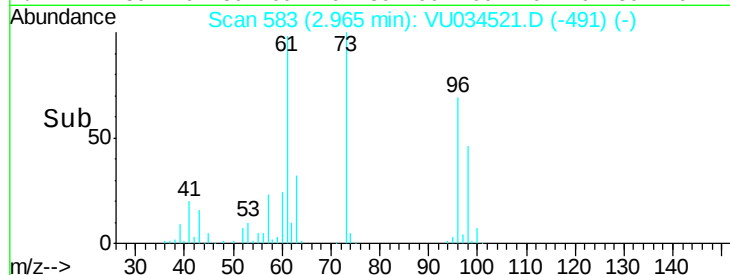
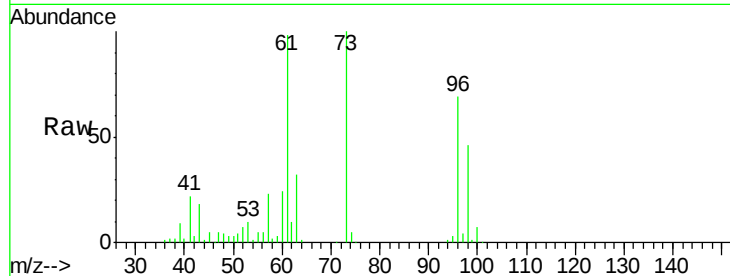
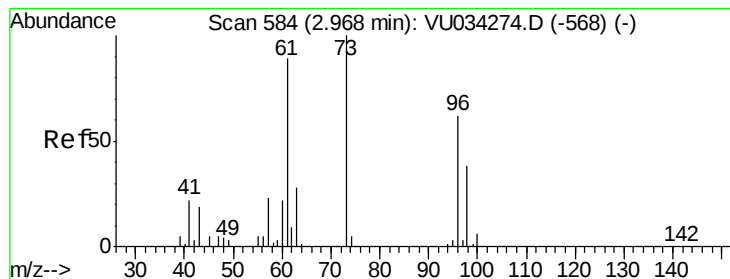
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#20
Methylene Chloride
Concen: 57.008 ug/l
RT: 2.69 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.3	96.0	144.0
51	36.3	30.0	45.0
86	64.7	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 51.453 ug/l

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Tot Ion:	96	Resp:	142537
Ion	Ratio	Lower	Upper
96	100		
61	141.7	114.8	172.2
98	65.9	49.8	74.8

Instrument :

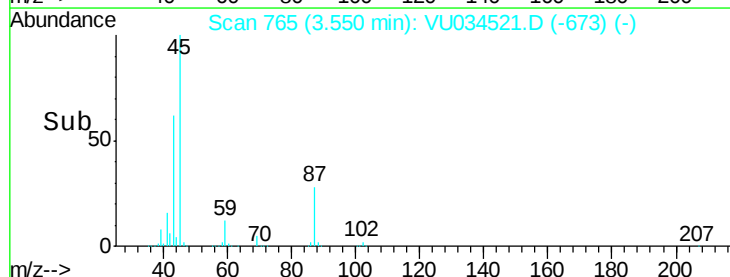
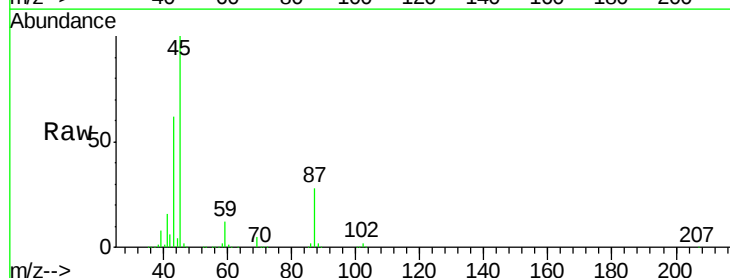
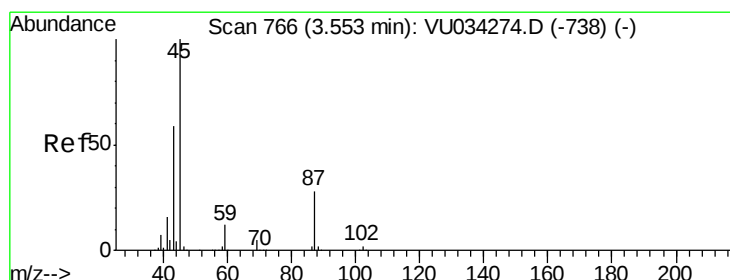
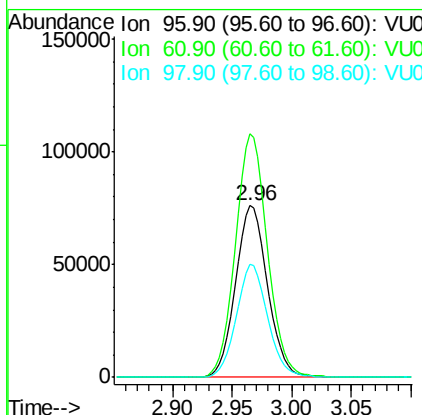
MSVOA_U

ClientSampled :

VSTDCCC050

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#22

Diisopropyl ether

Concen: 56.581 ug/l

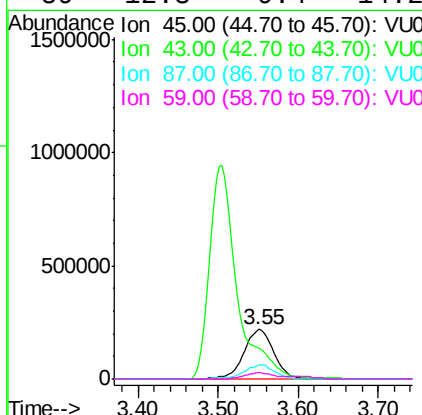
RT: 3.55 min Scan# 765

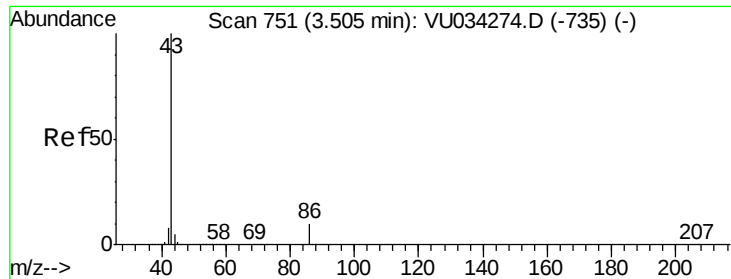
Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Tgt Ion:	45	Resp:	554549
Ion	Ratio	Lower	Upper
45	100		
43	61.6	47.5	71.3
87	28.3	22.2	33.4
59	12.3	9.4	14.2





#23

Vinyl Acetate

Concen: 284.201 ug/l

RT: 3.51 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2268898

Ion Ratio Lower Upper

43 100

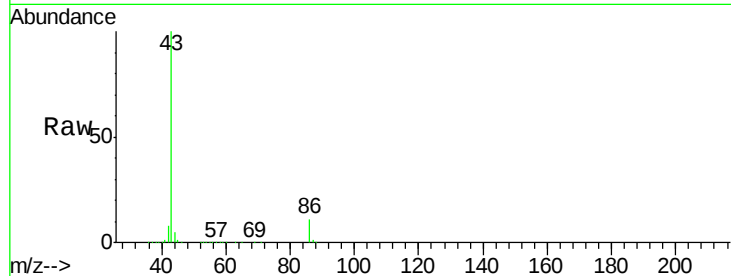
86 11.2 8.3 12.5

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Abundance Ion 43.00 (42.70 to 43.70): VU034521.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034521.D (-658) (-)

3.51

1000000

800000

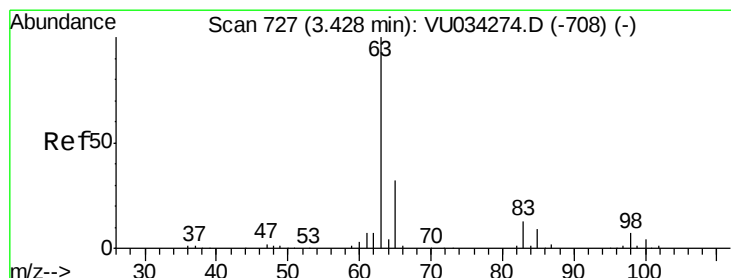
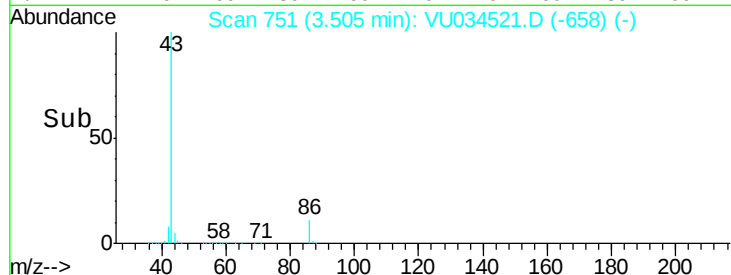
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.055 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

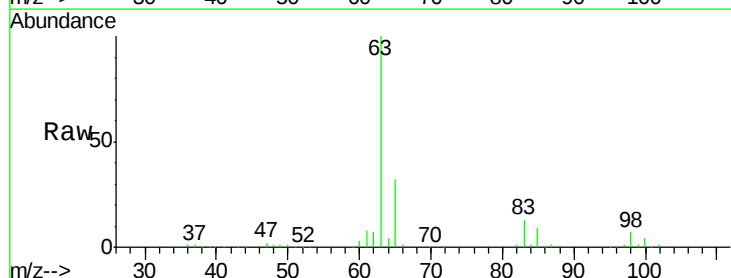
Tgt Ion: 63 Resp: 310531

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034521.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034521.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034521.D (-634) (-)

3.42

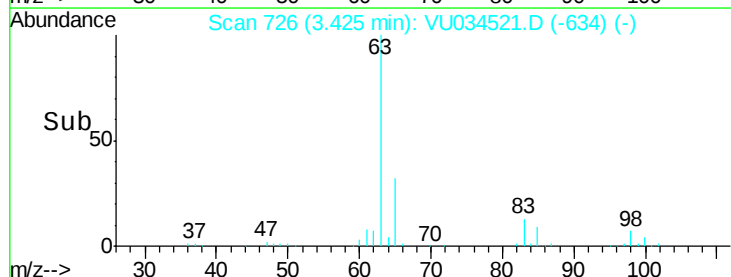
150000

100000

50000

0

Time-->





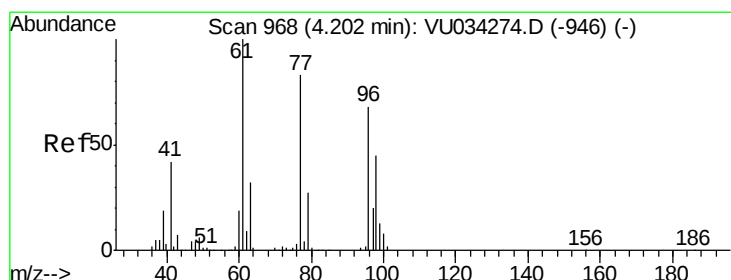
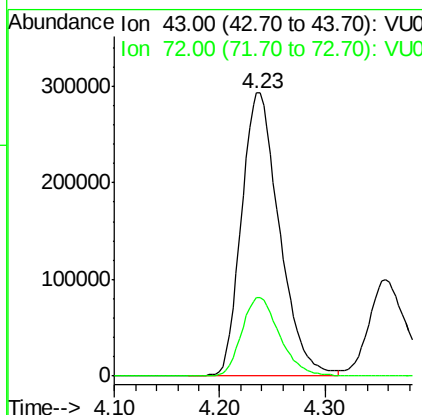
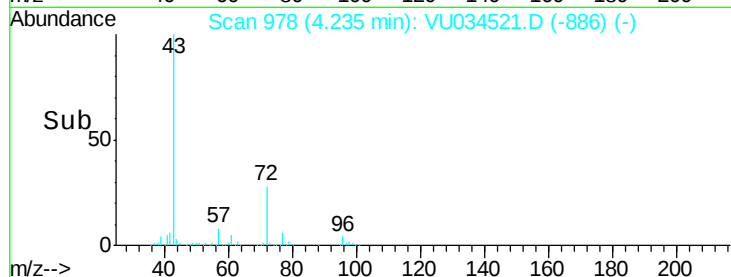
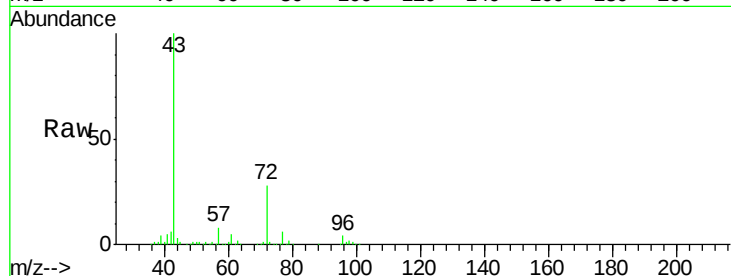
#25
2-Butanone
Concen: 287.926 ug/l
RT: 4.23 min Scan# 978
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	27.6	21.8	32.6

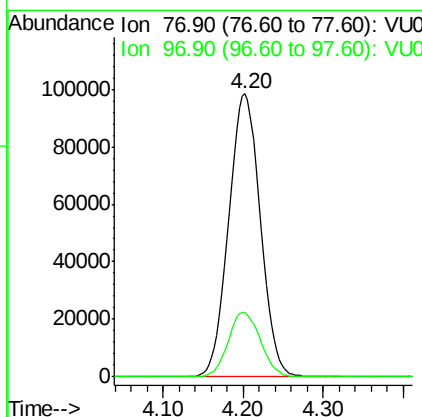
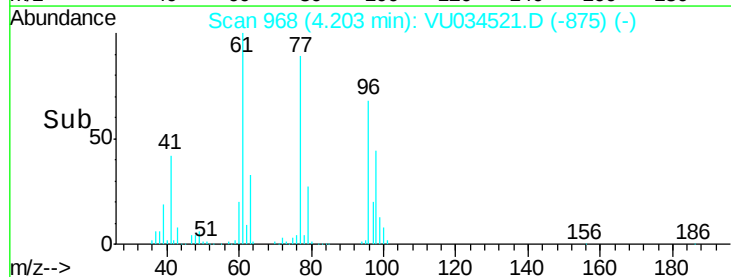
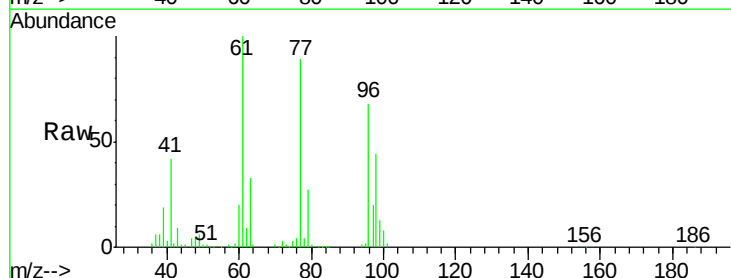
Manual Integrations
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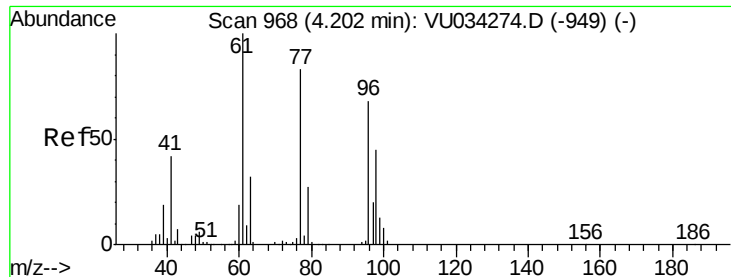
MMDadoda
9/16/2019 11:16:48 AM



#26
2,2-Dichloropropane
Concen: 56.104 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.8	35.3





#27

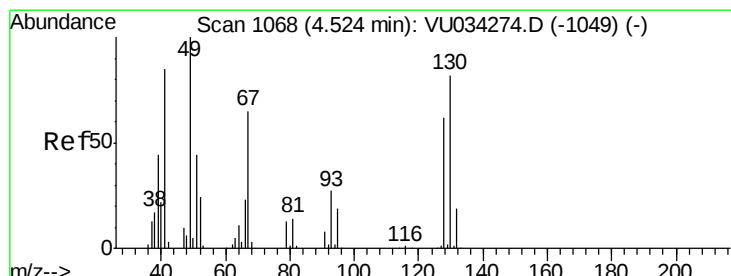
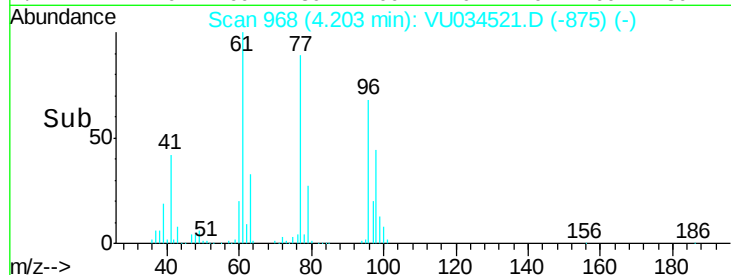
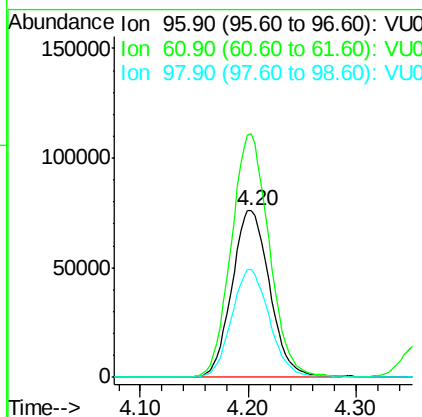
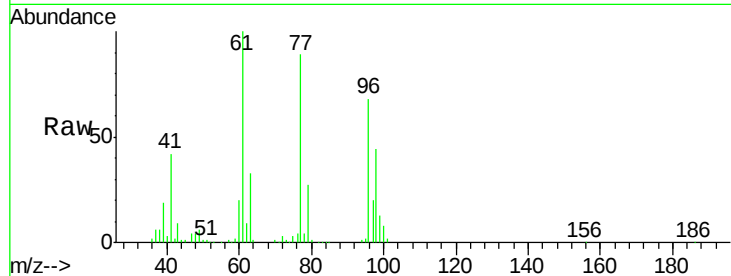
cis-1,2-Dichloroethene
Concen: 55.264 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	185937		
61	146.6	0.0	297.4	
98	64.6	0.0	130.0	

Manual Integrations
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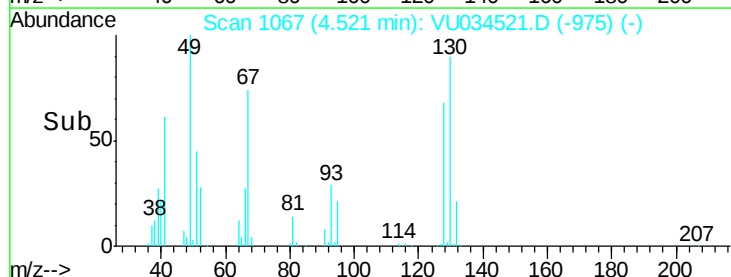
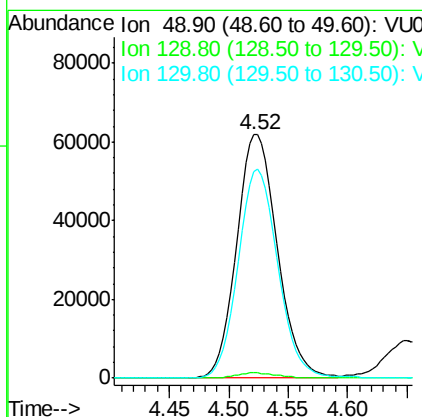
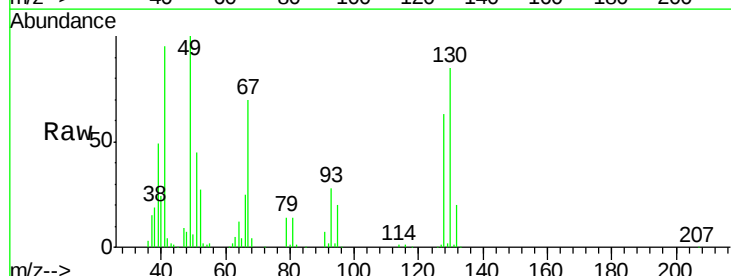
MMDadoda
9/16/2019 11:16:48 AM

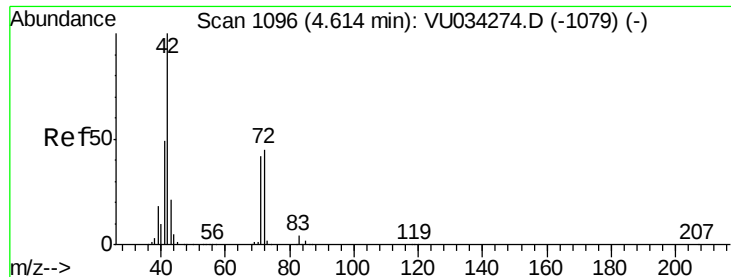


#28

Bromochloromethane
Concen: 54.614 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	147030		
129	2.1	0.0	3.8	
130	84.0	65.2	97.8	





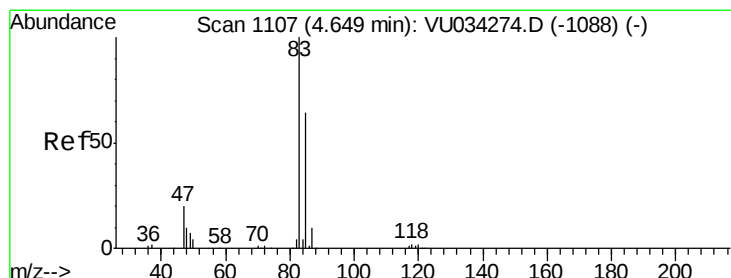
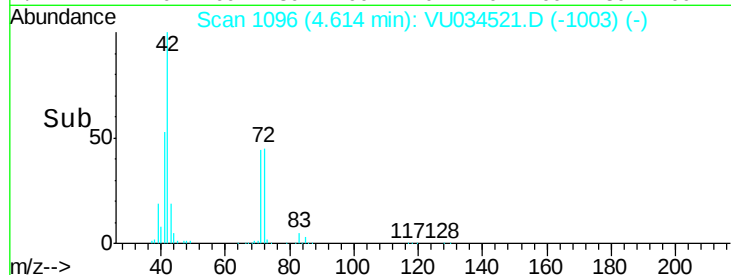
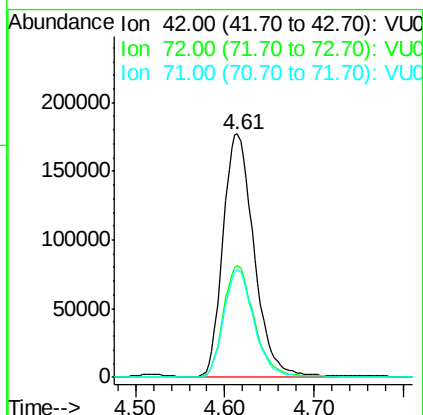
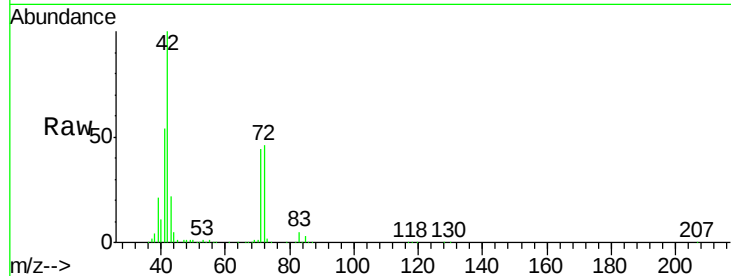
#29
Tetrahydrofuran
Concen: 277.487 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	36.6	54.8
71	43.4	34.3	51.5

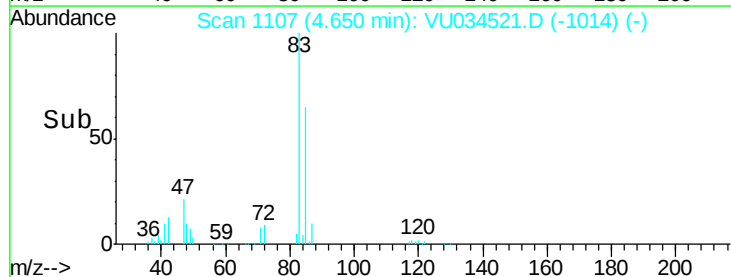
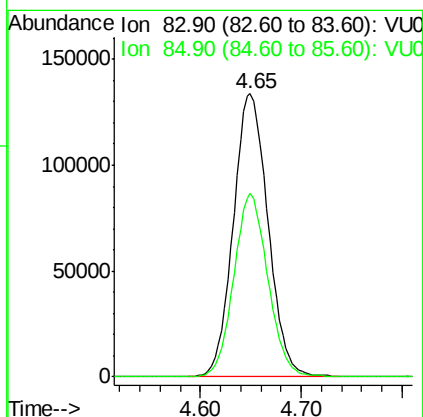
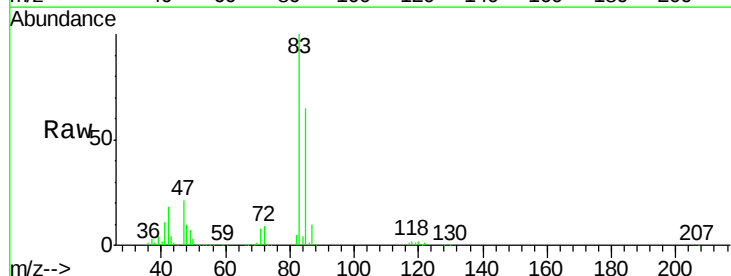
Manual Integrations
APPROVED

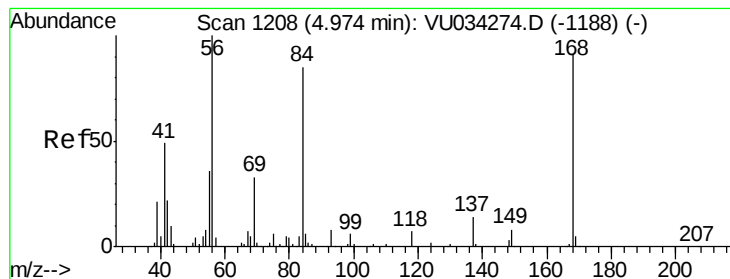
MMDadoda
9/16/2019 11:16:48 AM



#30
Chloroform
Concen: 53.642 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3





#31

Cyclohexane

Concen: 49.889 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 213624

Ion Ratio Lower Upper

56 100

69 33.1 26.7 40.1

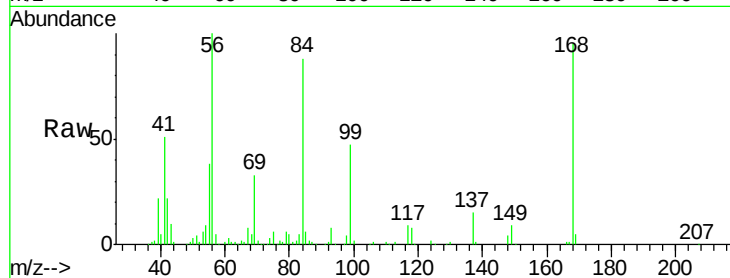
84 87.1 68.2 102.4

Manual Integrations

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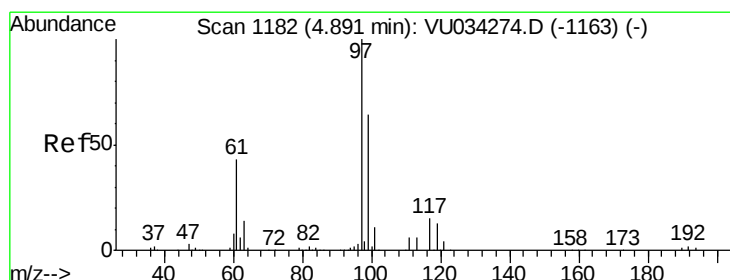
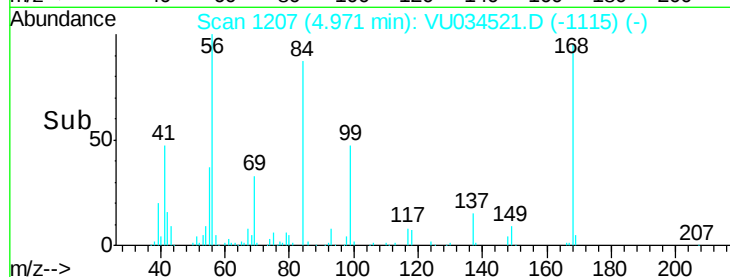
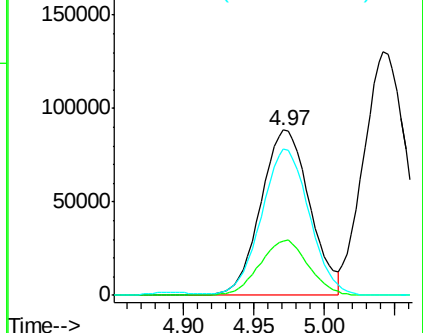
9/16/2019 11:16:48 AM



Abundance Ion 56.00 (55.70 to 56.70): VU034521.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034521.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034521.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 54.529 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

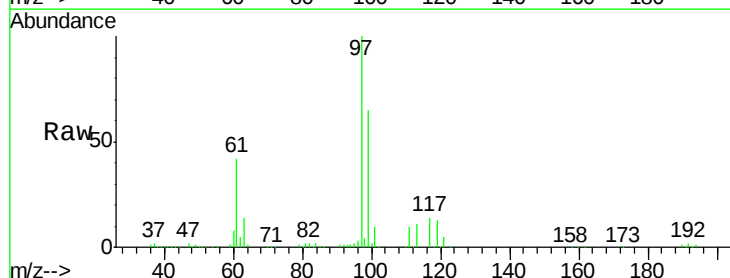
Tgt Ion: 97 Resp: 259377

Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

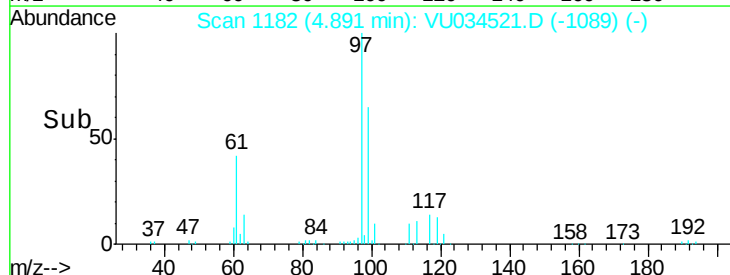
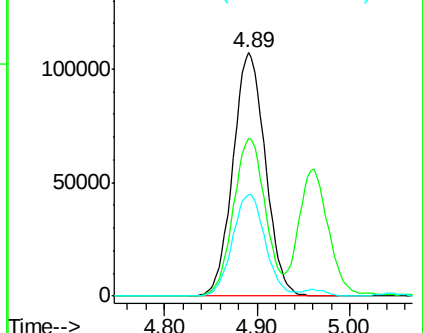
61 42.1 34.7 52.1

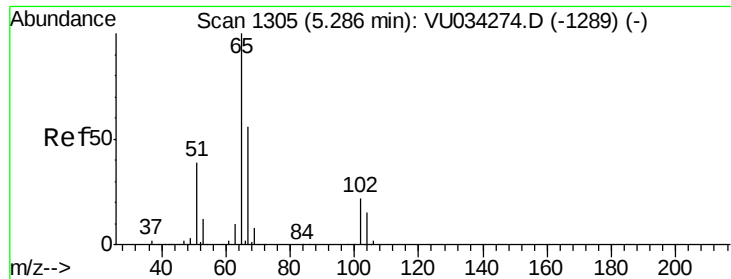


Abundance Ion 96.90 (96.60 to 97.60): VU034521.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU034521.D (-1089) (-)

Ion 60.90 (60.60 to 61.60): VU034521.D (-1089) (-)





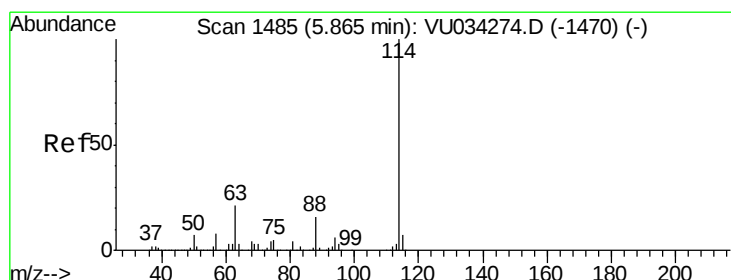
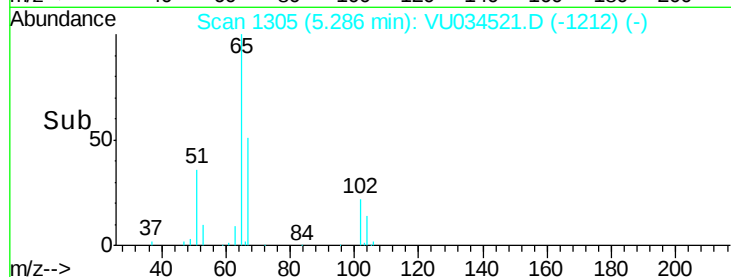
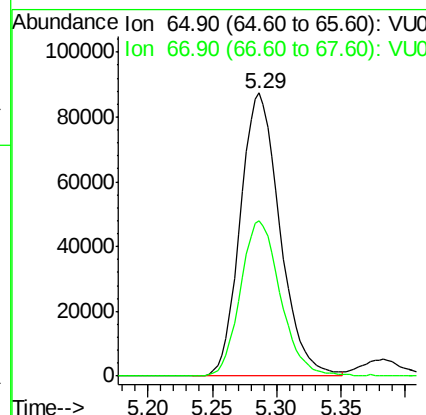
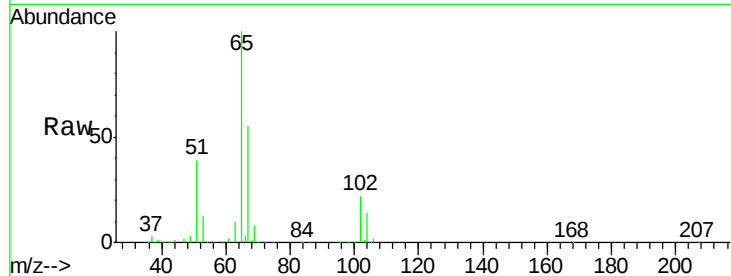
#33
 1,2-Dichloroethane-d4
 Concen: 51.164 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	187042		
67	55.3	0.0	112.4	

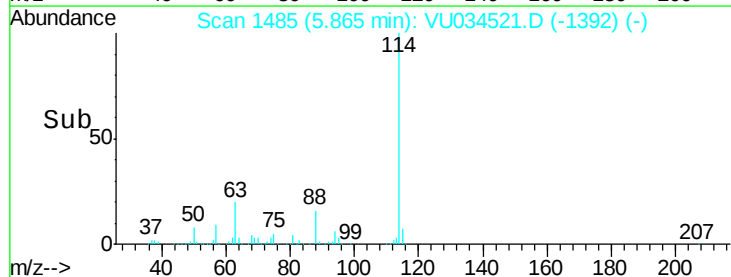
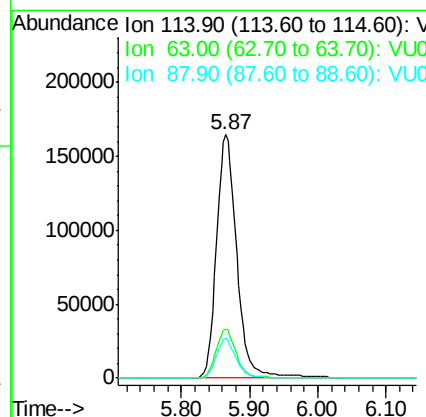
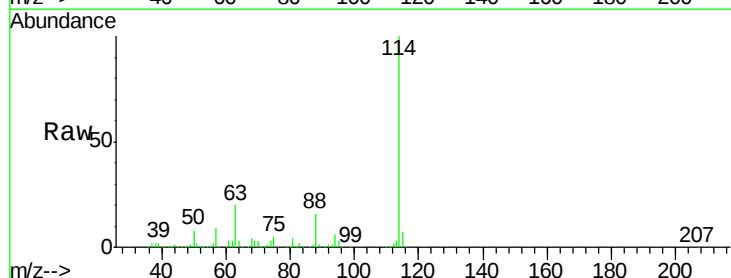
Manual Integrations
 APPROVED

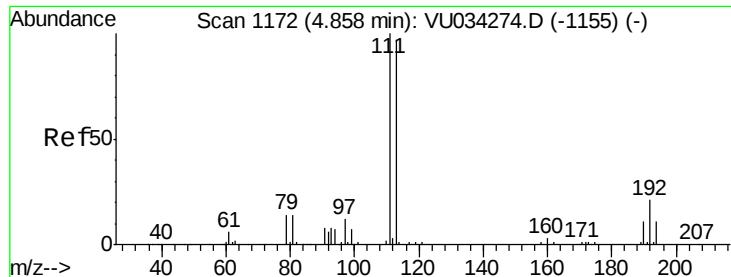
MMDadoda
 9/16/2019 11:16:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	341017		
63	20.4	0.0	42.4	
88	16.3	0.0	32.4	





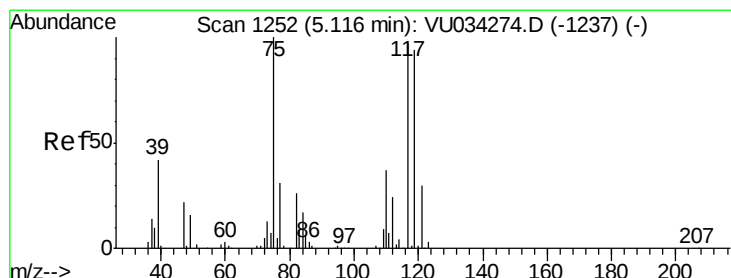
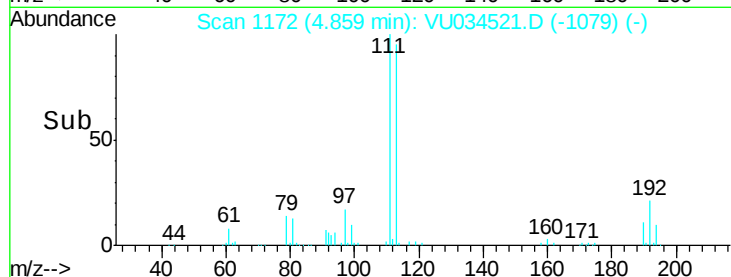
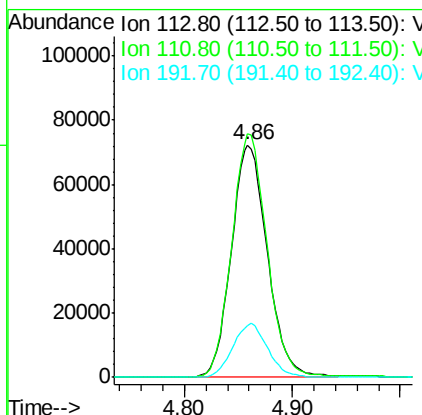
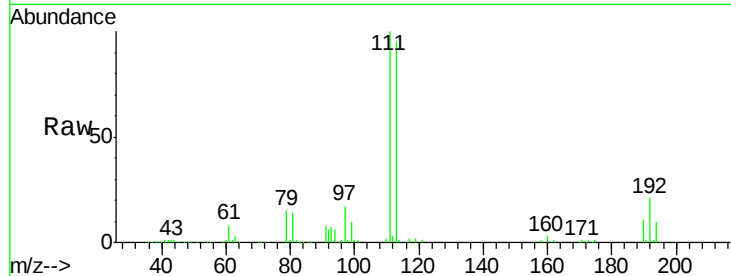
#35
 Dibromofluoromethane
 Concen: 52.959 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168048		
111	102.7	81.5	122.3	
192	22.6	17.8	26.8	

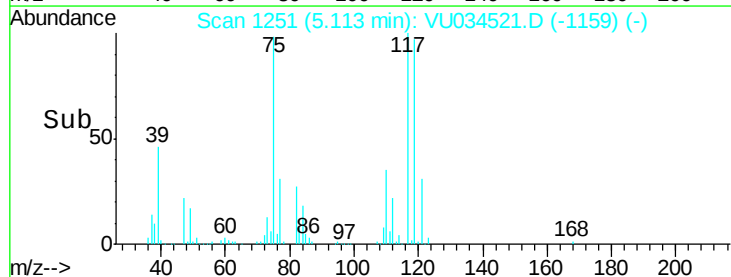
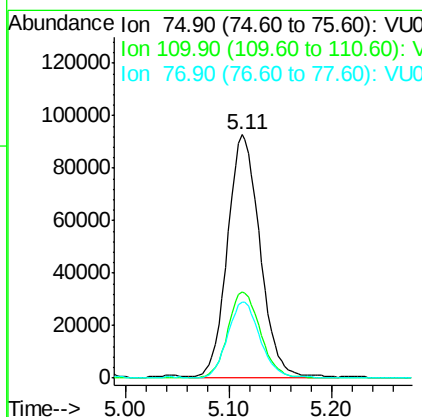
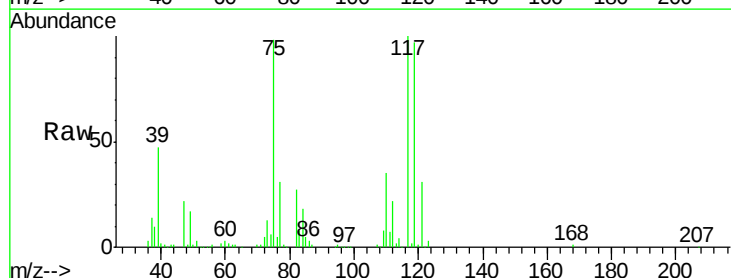
Manual Integrations
 APPROVED

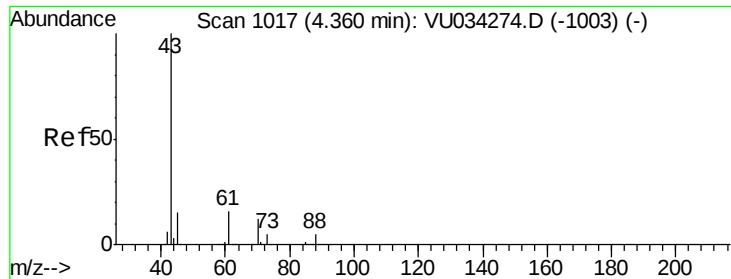
MMDadoda
 9/16/2019 11:16:48 AM



#36
 1,1-Dichloropropene
 Concen: 54.690 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	202265		
110	35.9	18.3	54.9	
77	31.4	24.9	37.3	





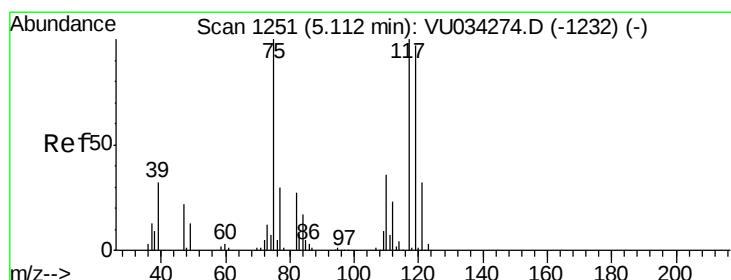
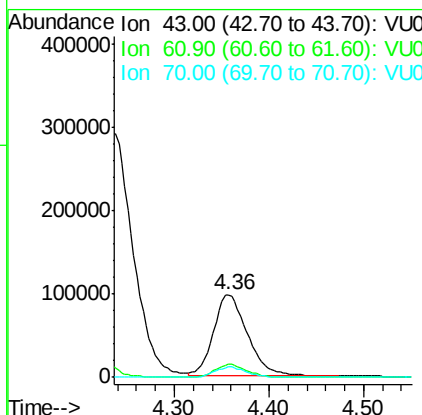
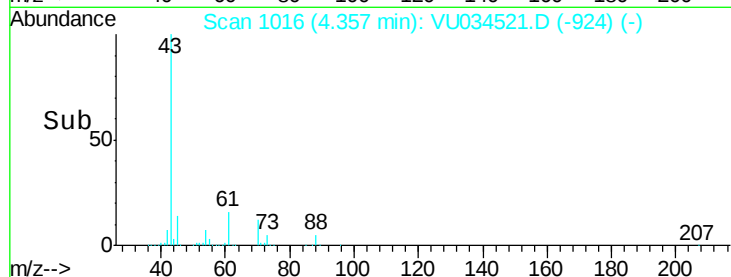
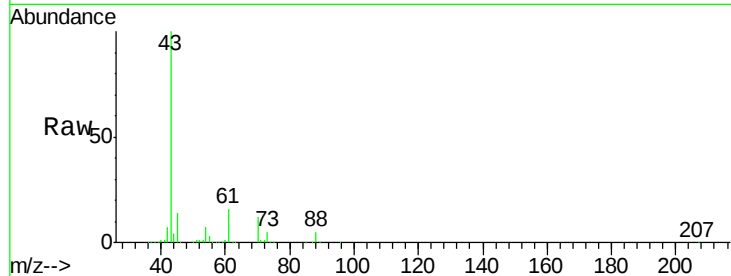
#37
Ethyl Acetate
Concen: 55.999 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	12.3	18.5
70	11.8	9.1	13.7

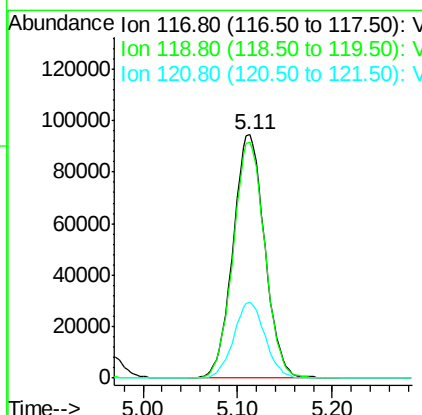
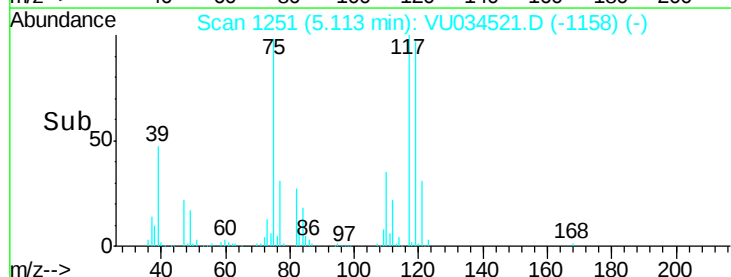
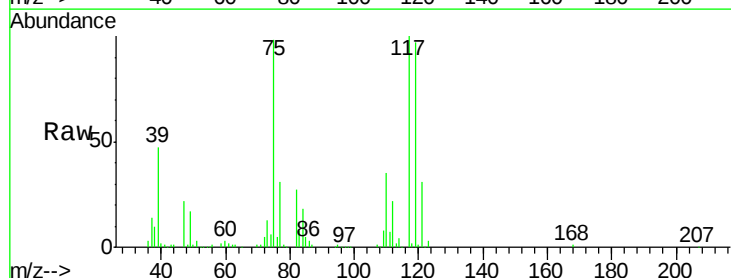
Manual Integrations
APPROVED

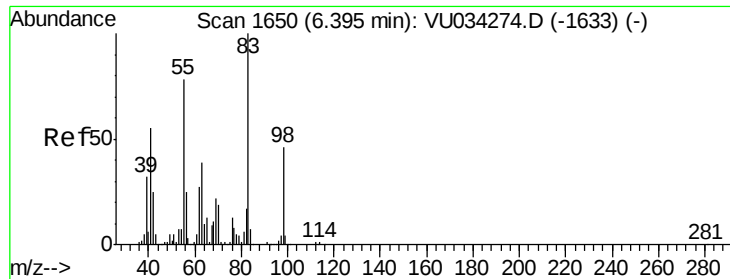
MMDadoda
9/16/2019 11:16:48 AM



#38
Carbon Tetrachloride
Concen: 55.751 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.8	116.6
121	31.0	25.2	37.8





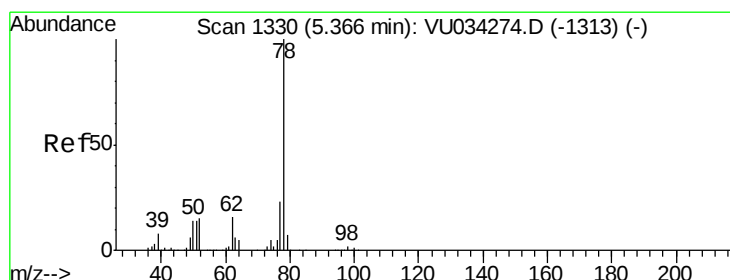
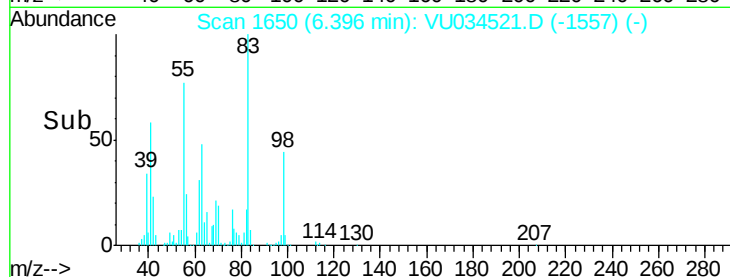
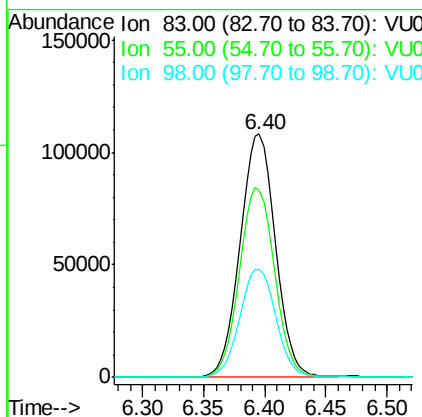
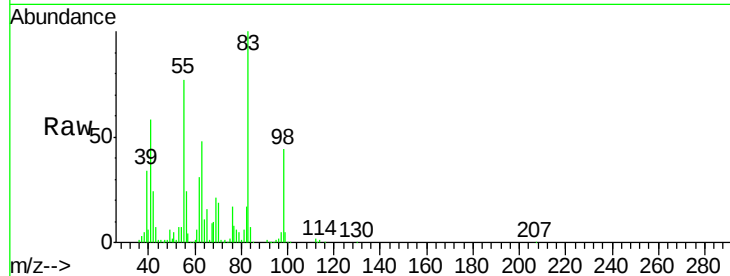
#39
Methvlcvclohexane
Concen: 54.868 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.9	62.1	93.1	
98	44.4	37.0	55.6	

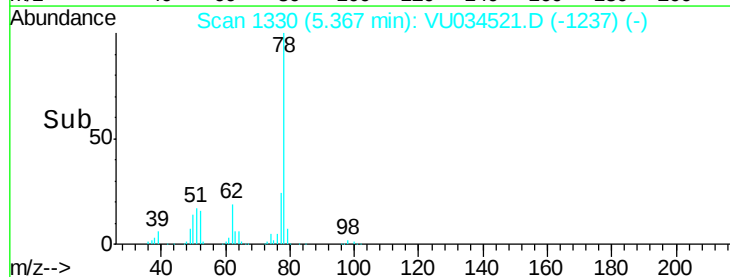
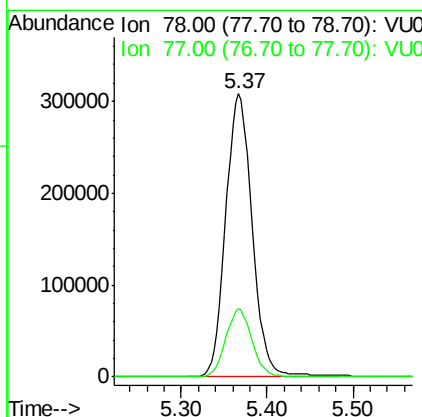
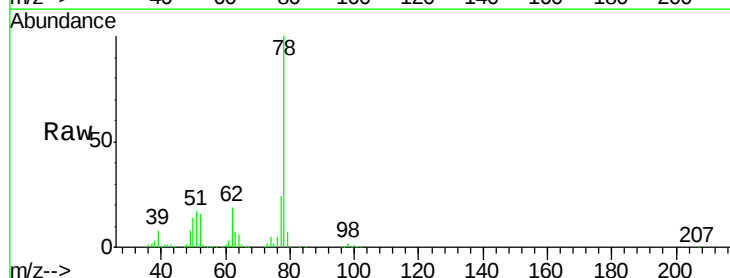
Manual Integrations
APPROVED

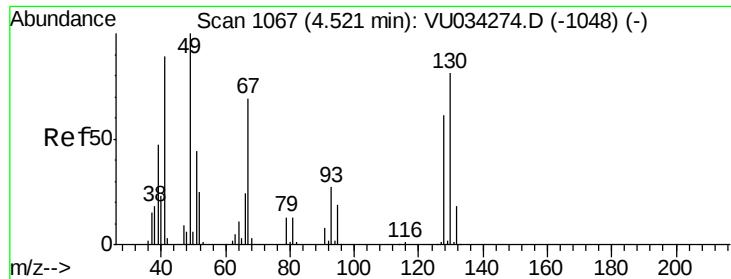
MMDadoda
9/16/2019 11:16:48 AM



#40
Benzene
Concen: 55.324 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.2	18.7	28.1	





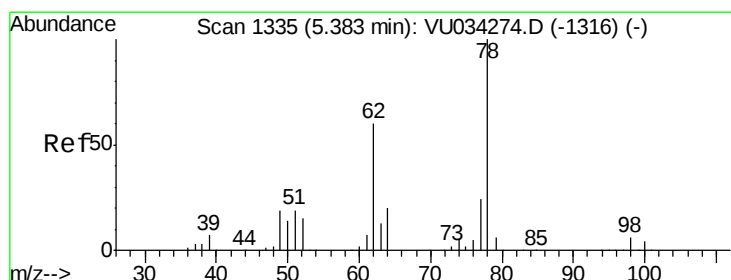
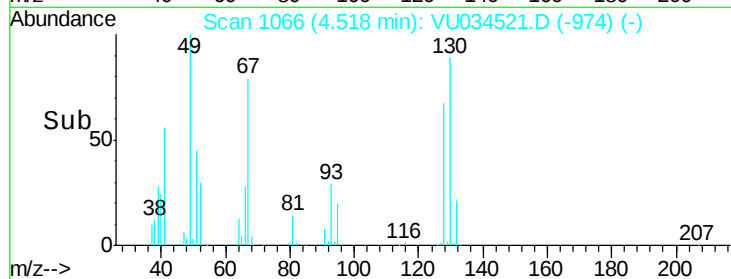
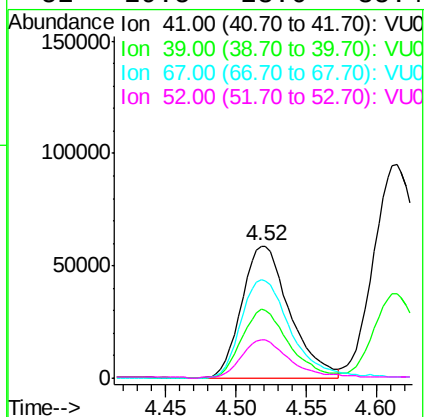
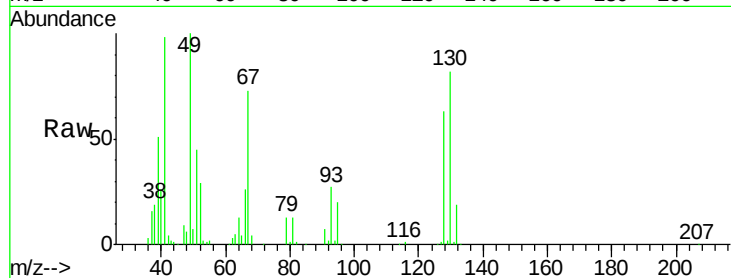
#41
Methacrylonitrile
Concen: 59.997 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.3	41.0	61.4
67	78.8	62.4	93.6
52	29.5	23.6	35.4

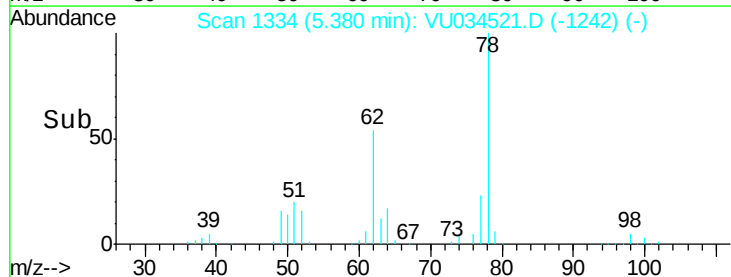
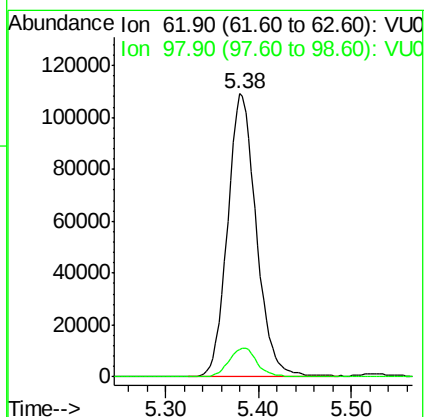
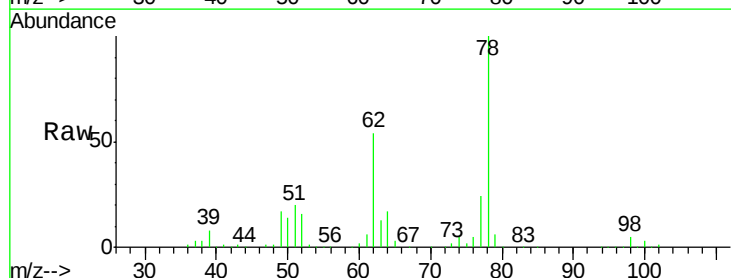
Manual Integrations
APPROVED

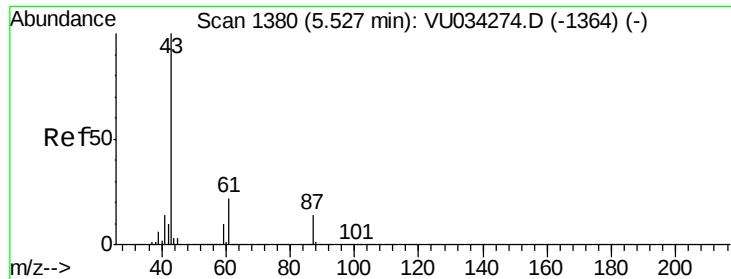
MMDadoda
9/16/2019 11:16:48 AM



#42
1,2-Dichloroethane
Concen: 56.593 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.0





#43

Isopropyl Acetate

Concen: 56.613 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

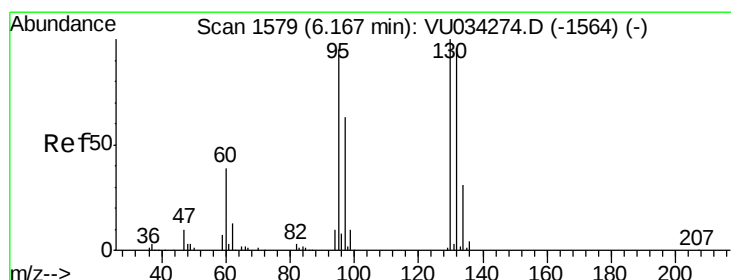
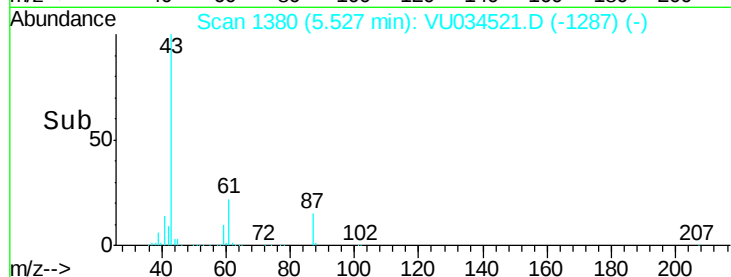
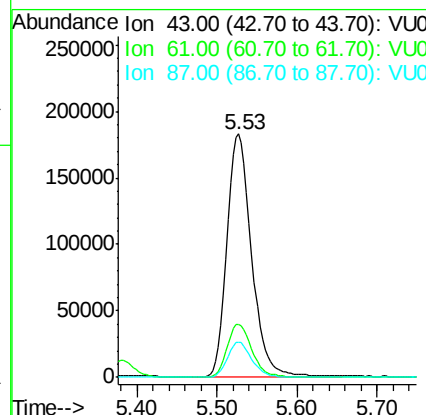
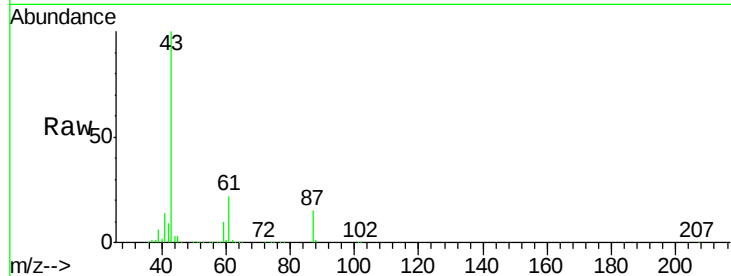
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	386178
Ion	Ratio	Lower	Upper
43	100		
61	22.2	17.1	25.7
87	14.3	11.1	16.7

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#44

Trichloroethene

Concen: 55.380 ug/l

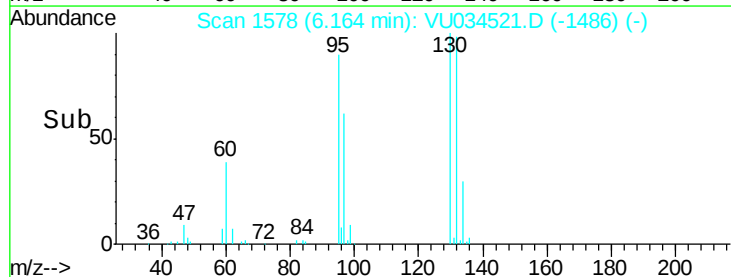
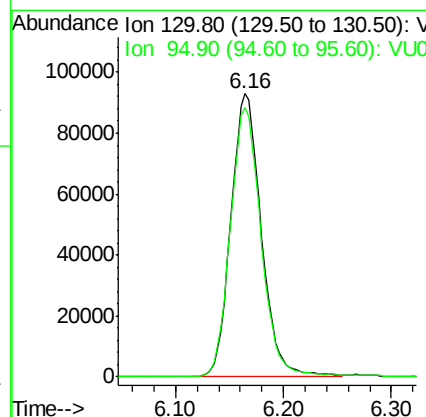
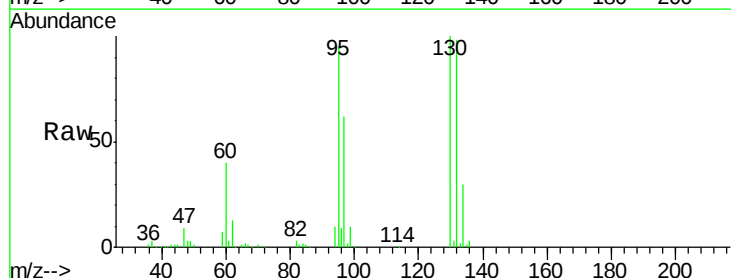
RT: 6.16 min Scan# 1578

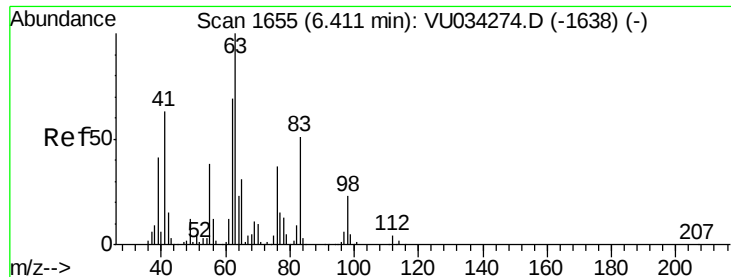
Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Tgt Ion:	130	Resp:	182882
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	189.2





#45

1,2-Dichloropropane

Concen: 56.665 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 197687

Ion Ratio Lower Upper

63 100

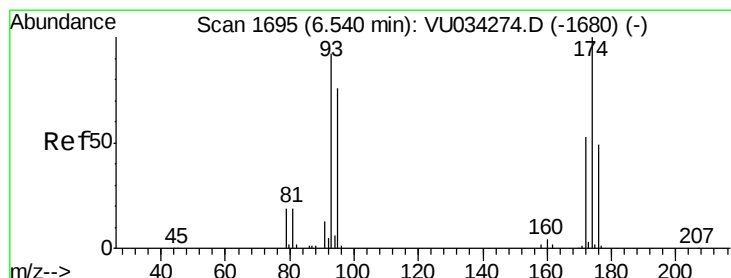
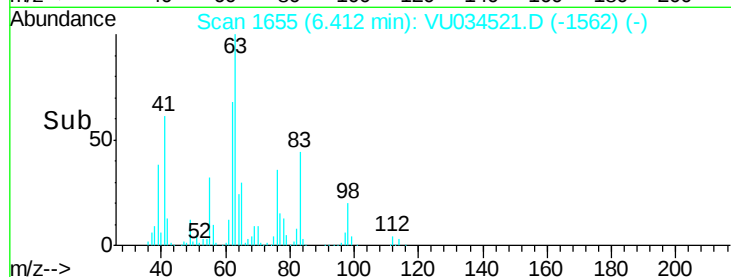
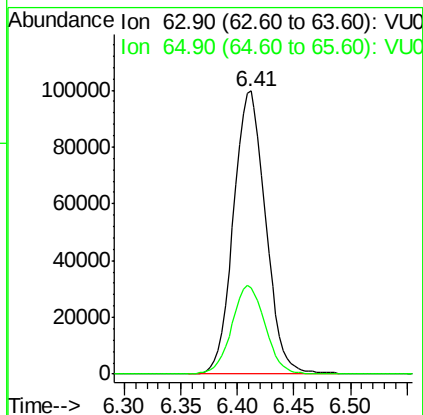
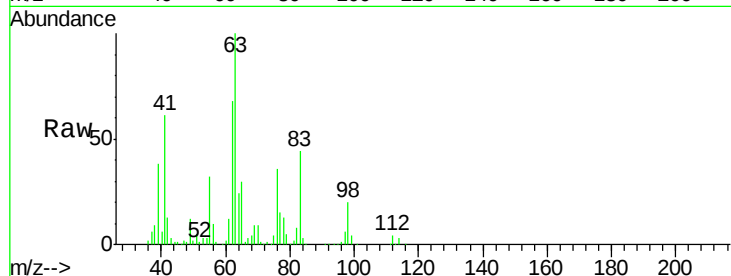
65 30.5 24.6 37.0

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#46

Dibromomethane

Concen: 56.301 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

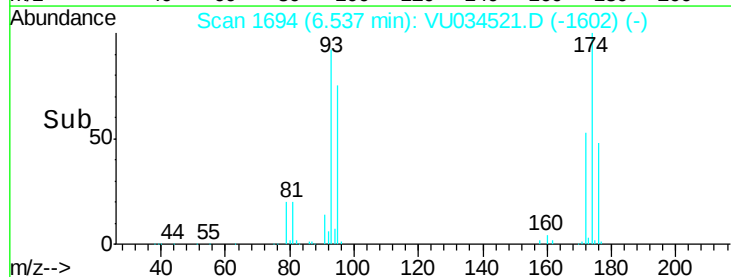
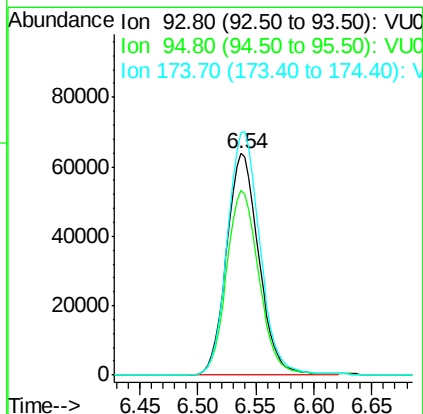
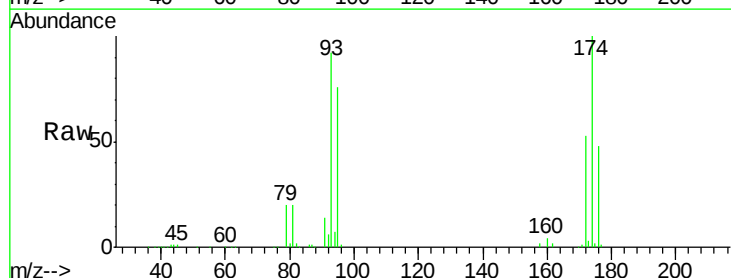
Tgt Ion: 93 Resp: 123292

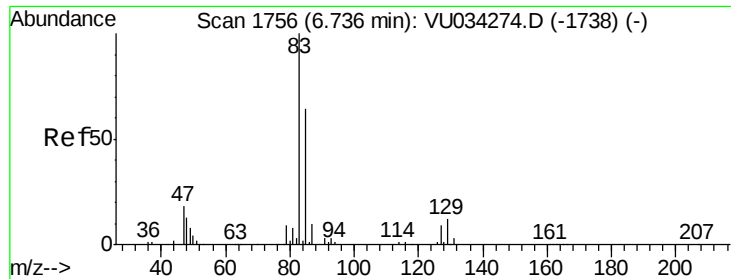
Ion Ratio Lower Upper

93 100

95 83.8 66.5 99.7

174 110.5 87.8 131.6





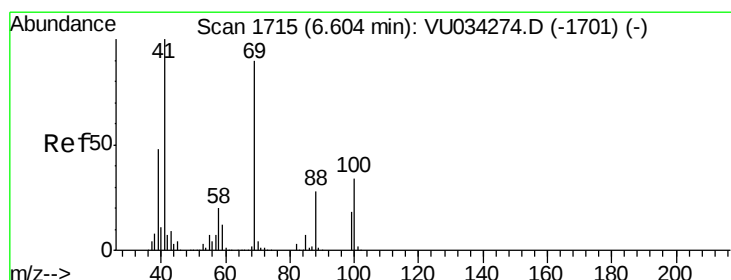
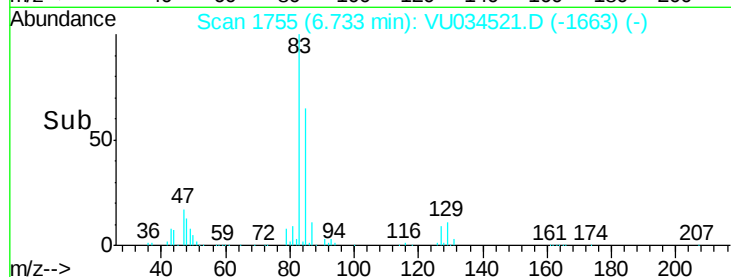
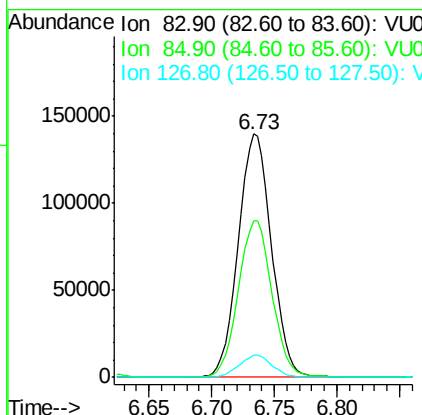
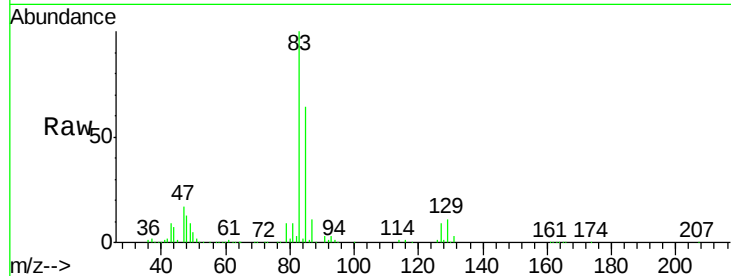
#47
Bromodichloromethane
Concen: 57.257 ug/l
RT: 6.73 min Scan# 1755
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.2	51.1	76.7	
127	8.9	7.2	10.8	

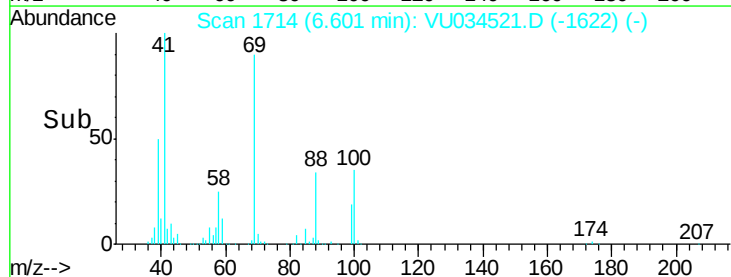
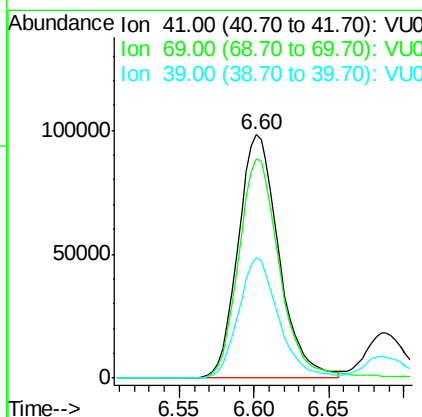
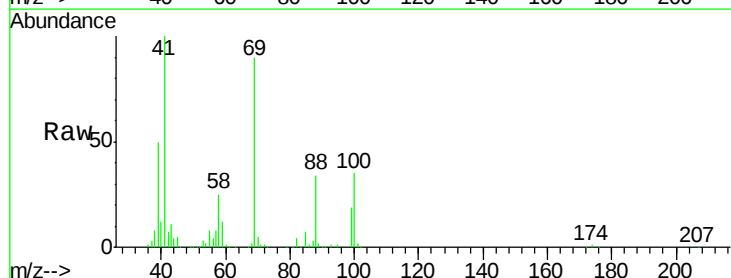
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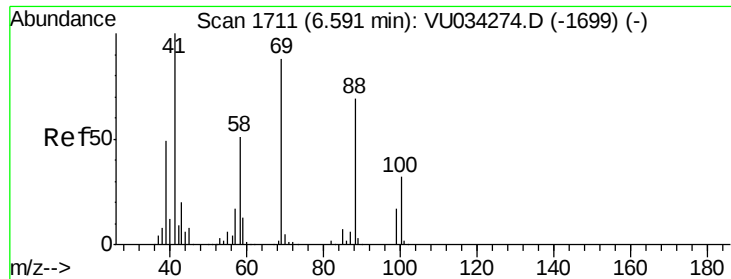
MMDadoda
9/16/2019 11:16:48 AM



#48
Methyl methacrylate
Concen: 57.017 ug/l
RT: 6.60 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	91.9	72.8	109.2	
39	48.4	38.6	58.0	





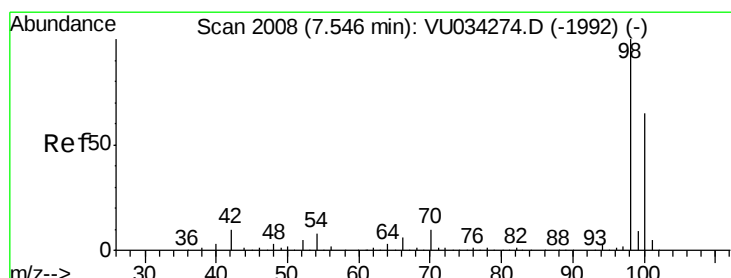
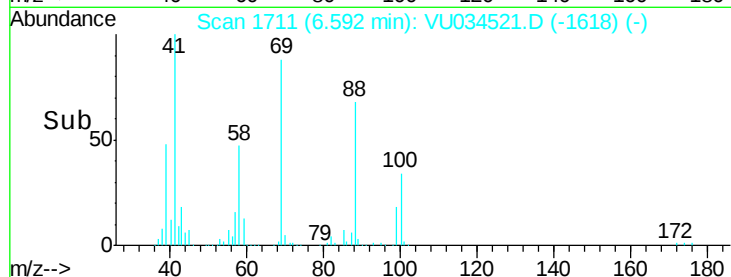
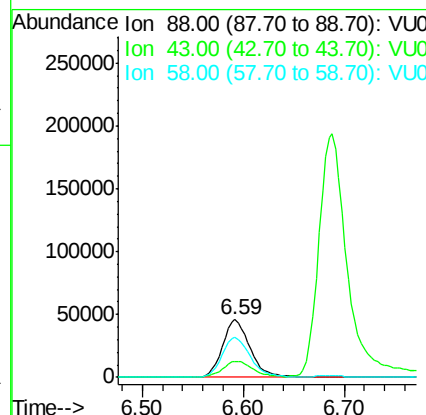
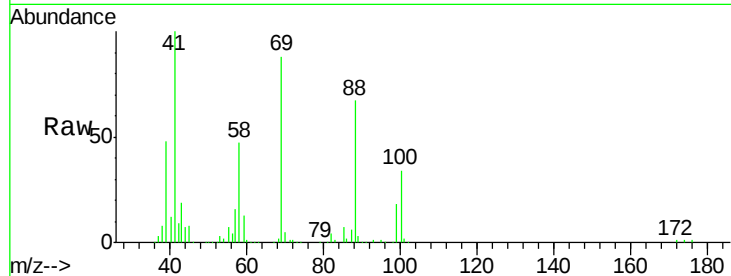
#49
1,4-Dioxane
Concen: 1210.053 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.1	23.8	35.6
58	72.9	58.4	87.6

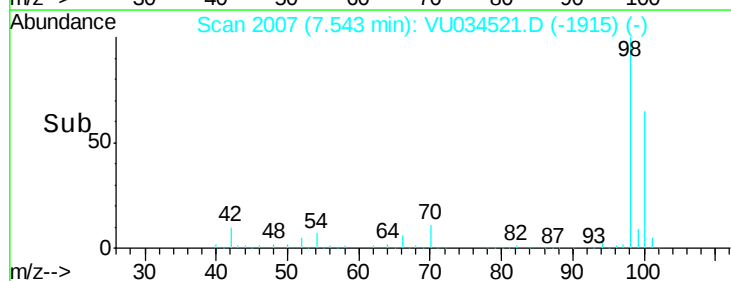
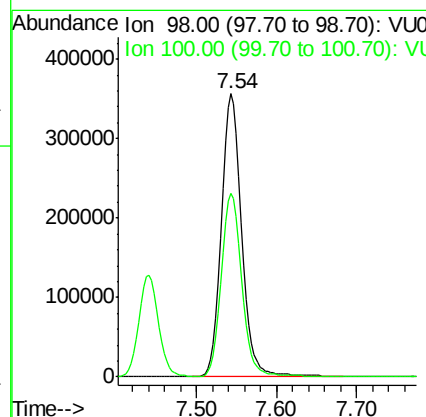
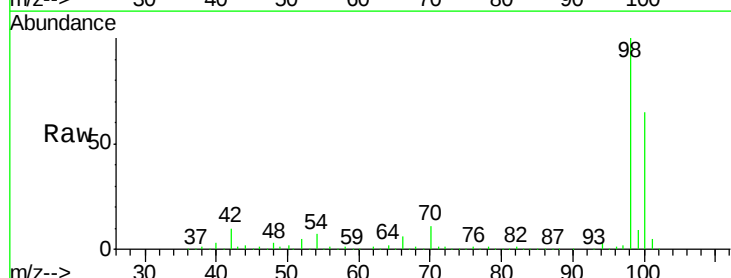
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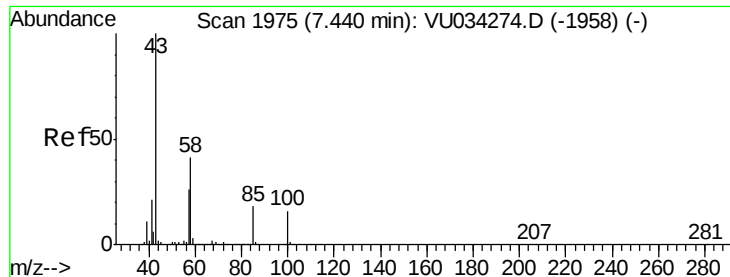
MMDadoda
9/16/2019 11:16:48 AM



#50
Toluene-d8
Concen: 52.869 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5





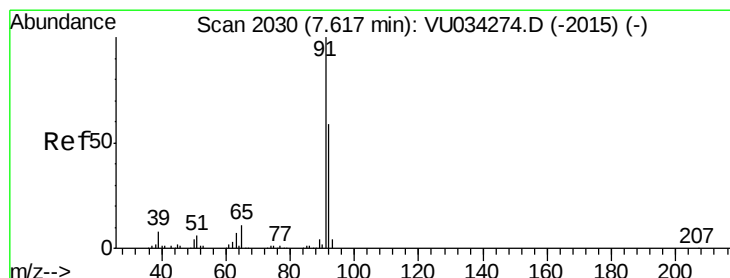
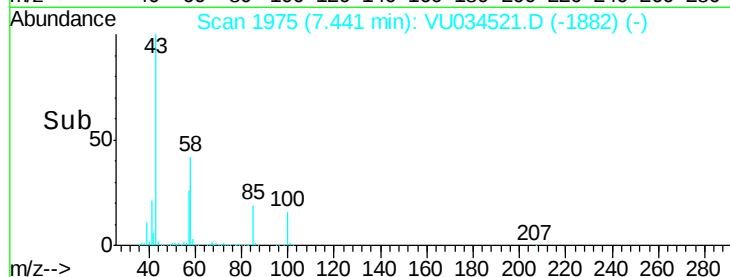
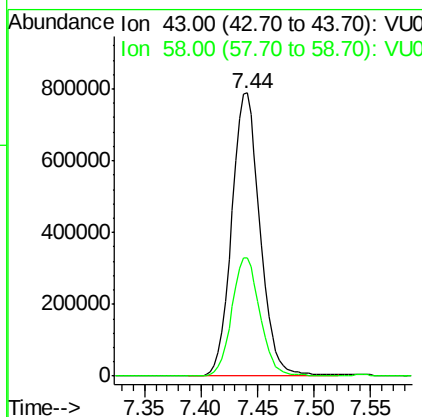
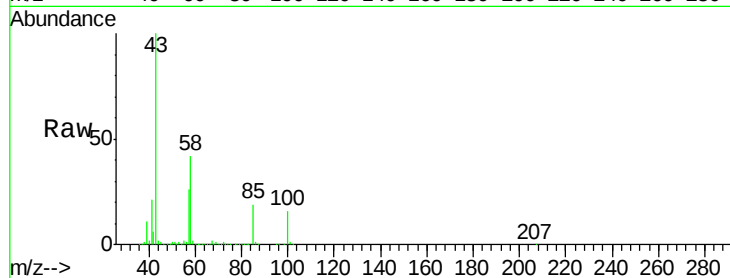
#51
4-Methyl-2-Pentanone
Concen: 290.569 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1371980
Ion Ratio Lower Upper
43 100
58 41.8 33.0 49.4

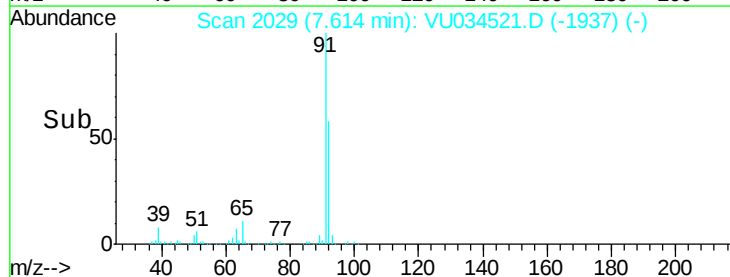
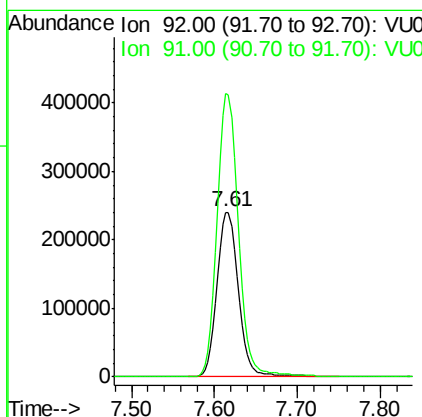
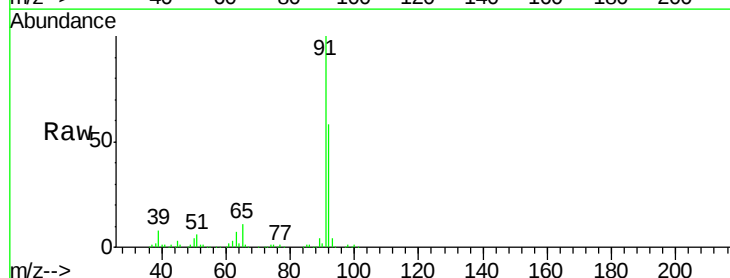
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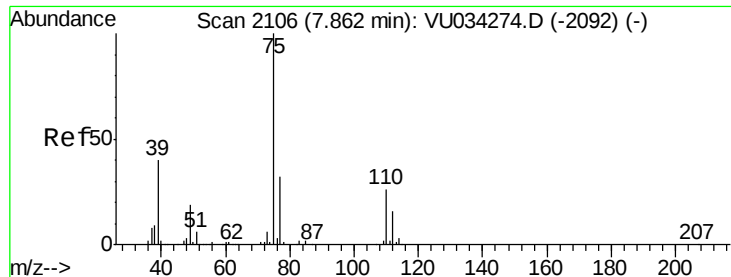
MMDadoda
9/16/2019 11:16:48 AM



#52
Toluene
Concen: 57.640 ug/l
RT: 7.61 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion: 92 Resp: 431496
Ion Ratio Lower Upper
92 100
91 171.0 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 57.987 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Tot Ion: 75 Resp: 270961

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

Instrument :

MSVOA_U

ClientSampleId :

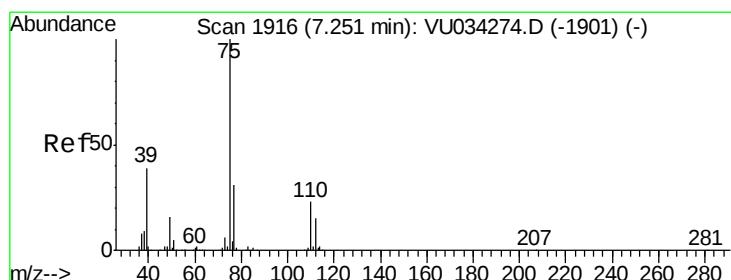
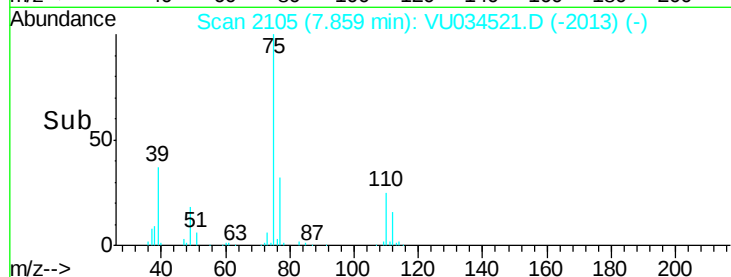
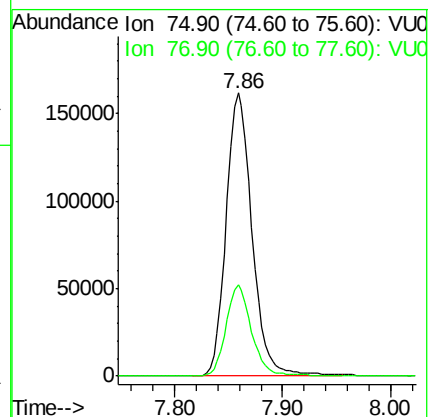
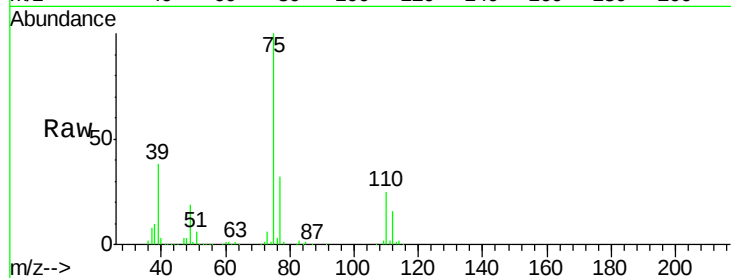
VSTDCCC050

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#54

cis-1,3-Dichloropropene

Concen: 59.124 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

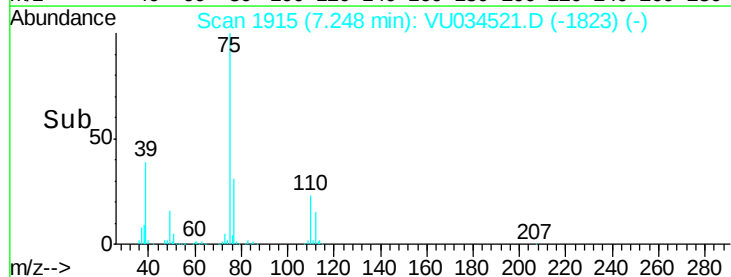
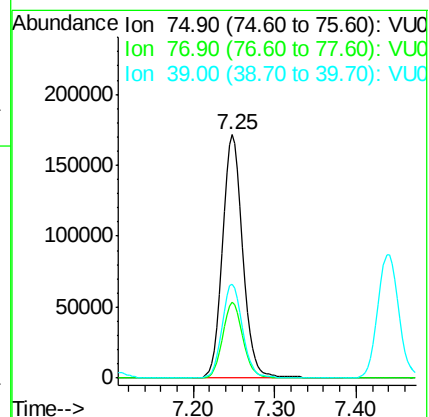
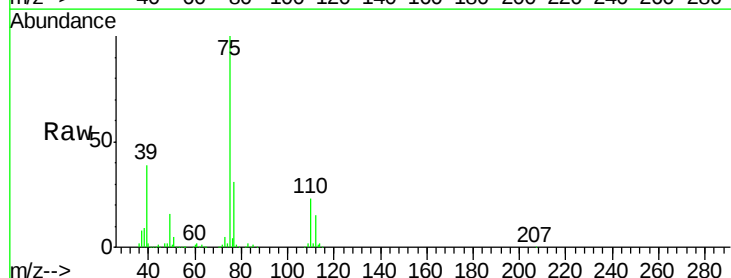
Tgt Ion: 75 Resp: 303222

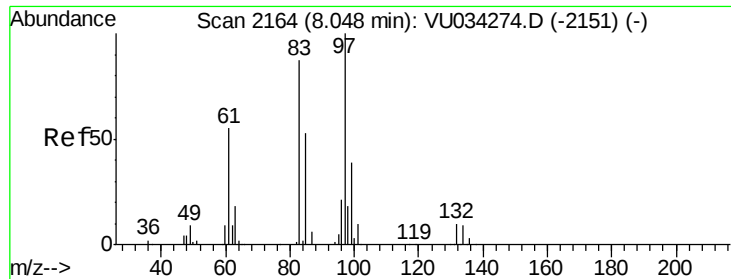
Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 38.6 31.2 46.8





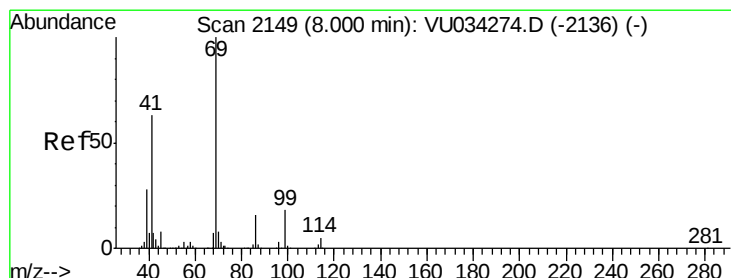
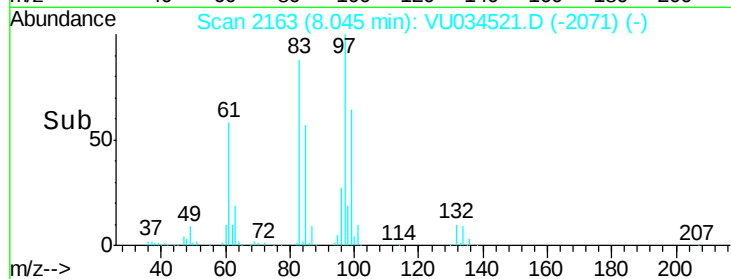
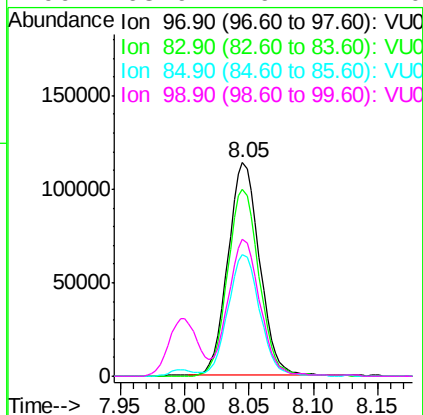
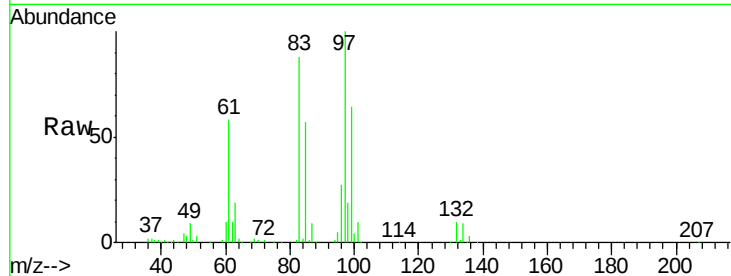
#55
 1,1,2-Trichloroethane
 Concen: 56.981 ug/l
 RT: 8.05 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	193692
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.0	103.6
85	56.8	44.2	66.2
99	63.9	49.4	74.0

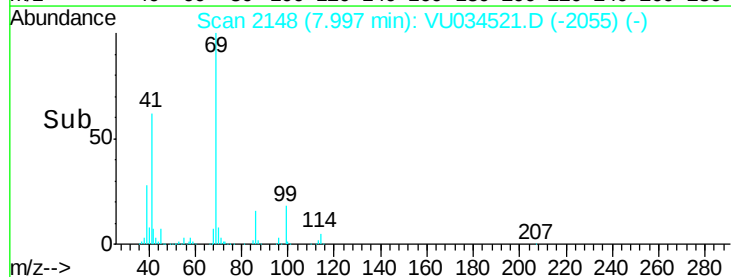
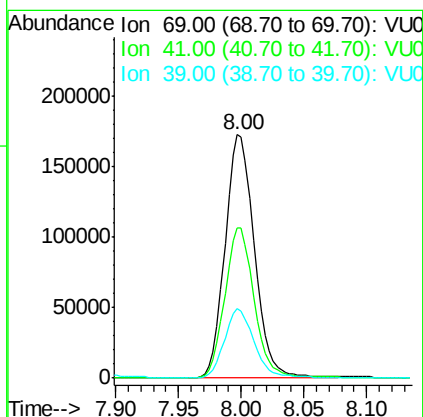
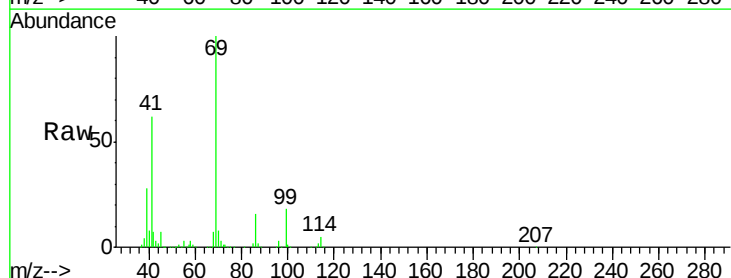
Manual Integrations
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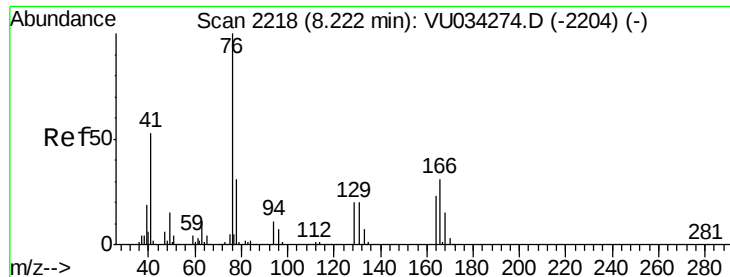
MMDadoda
 9/16/2019 11:16:48 AM



#56
 Ethyl methacrylate
 Concen: 54.121 ug/l
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion:	69	Resp:	280902
Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.5	74.3
39	28.4	22.5	33.7





#57

1,3-Dichloropropane

Concen: 56.660 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 313620

Ion Ratio Lower Upper

76 100

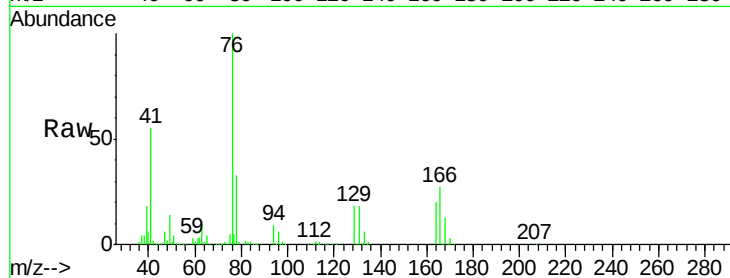
78 32.7 25.4 38.2

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.22

200000

150000

100000

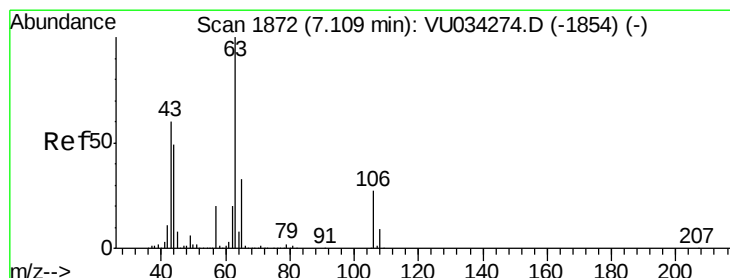
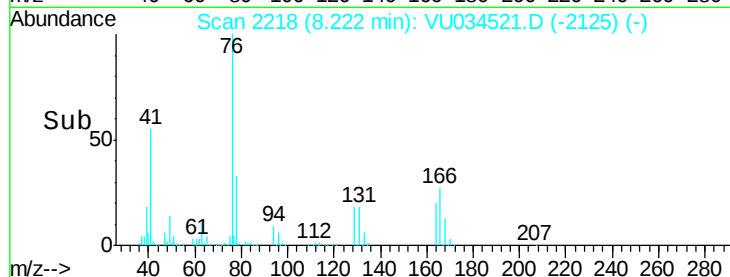
50000

0

8.20

8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 234.121 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034521.D

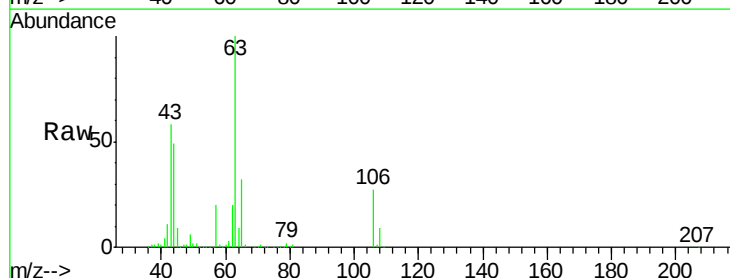
Acq: 12 Sep 2019 15:34

Tgt Ion: 63 Resp: 407090

Ion Ratio Lower Upper

63 100

106 27.1 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.11

250000

200000

150000

100000

50000

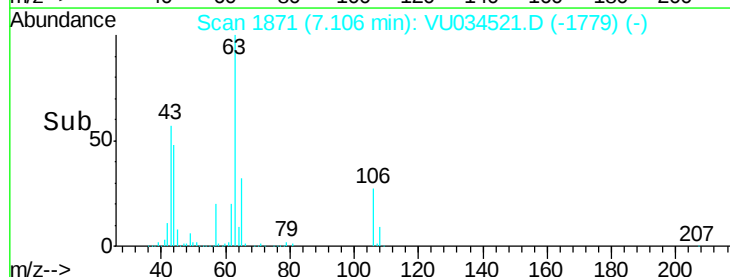
0

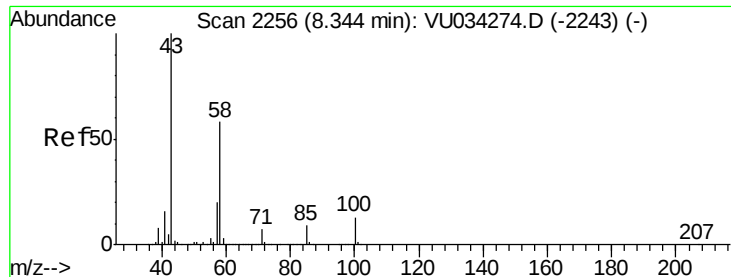
7.00

7.10

7.20

Time-->





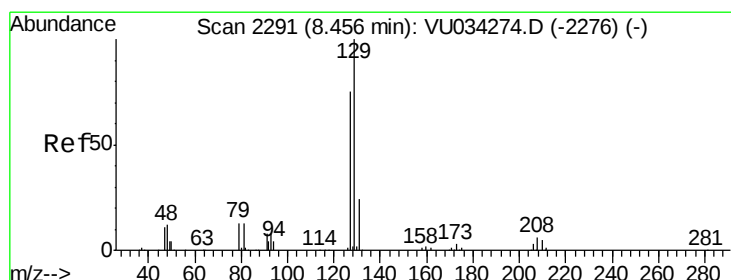
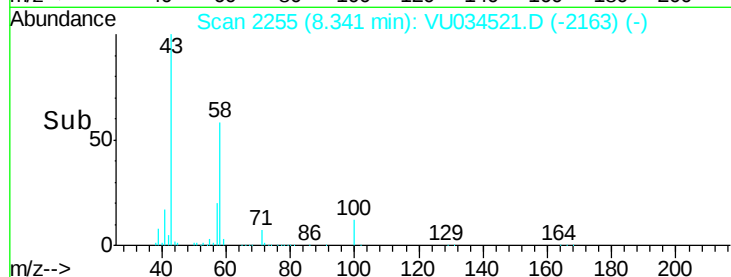
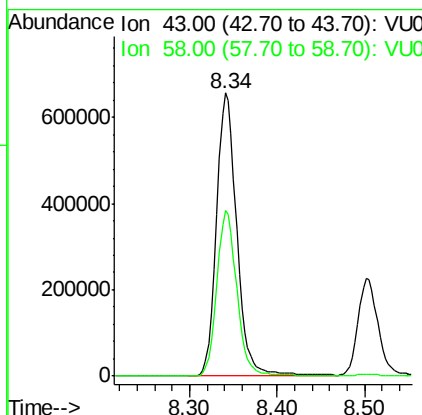
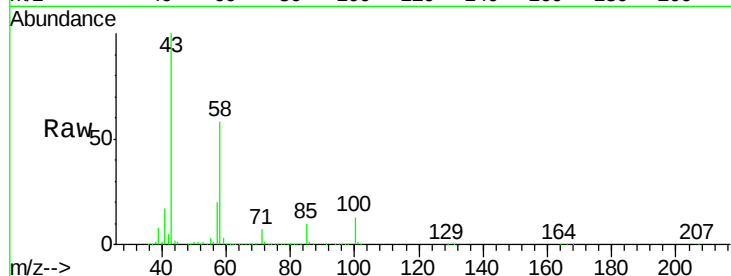
#59
2-Hexanone
Concen: 299.831 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1057609
Ion Ratio Lower Upper
43 100
58 58.1 28.8 86.5

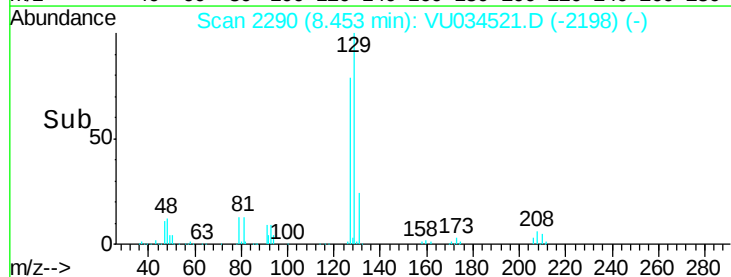
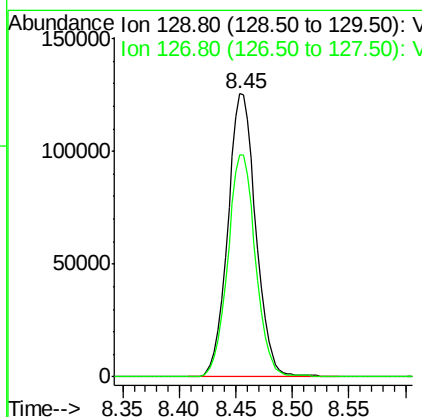
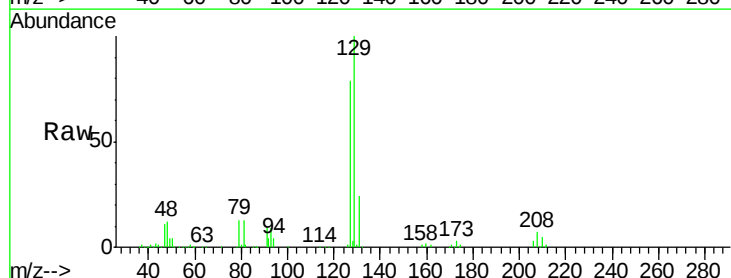
Manual Integrations
APPROVED

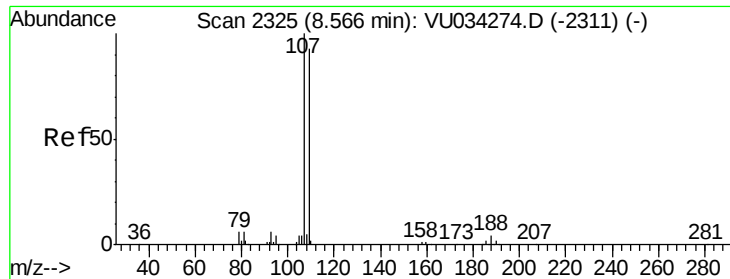
MMDadoda
9/16/2019 11:16:48 AM



#60
Dibromochloromethane
Concen: 59.309 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion: 129 Resp: 216243
Ion Ratio Lower Upper
129 100
127 78.0 37.9 113.7





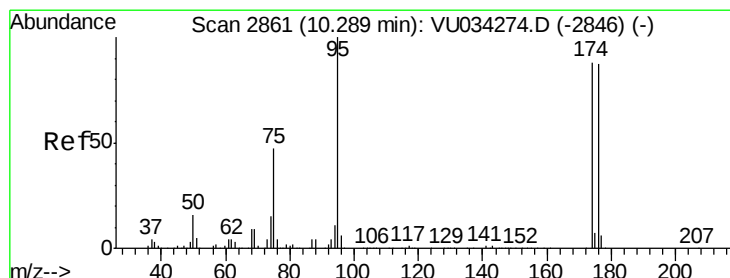
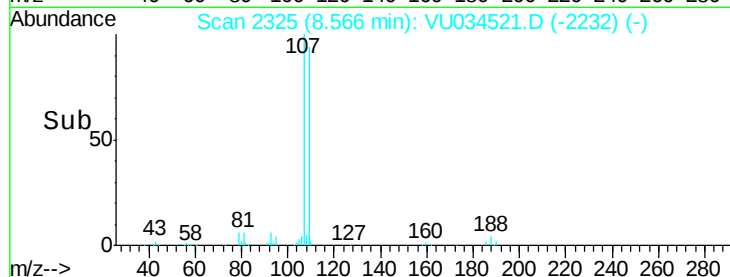
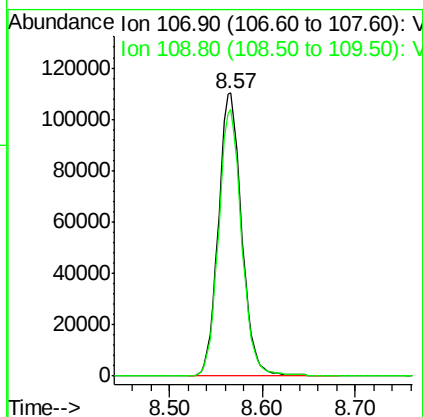
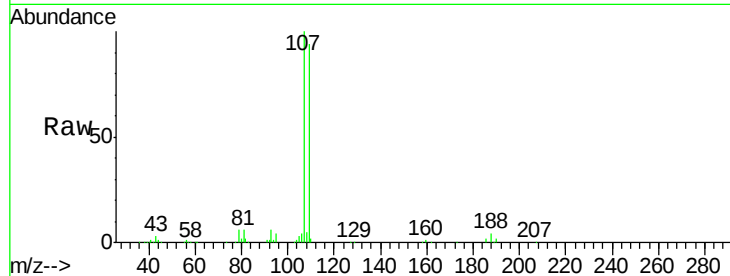
#61
 1,2-Dibromoethane
 Concen: 57.772 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.0	112.6

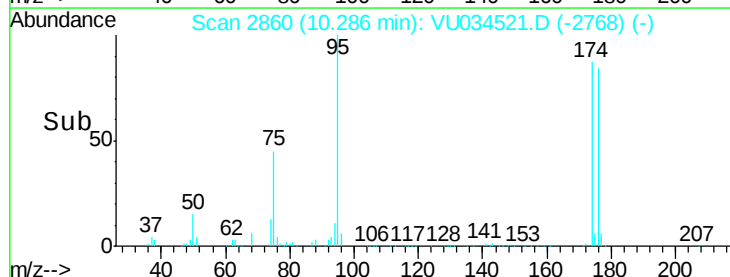
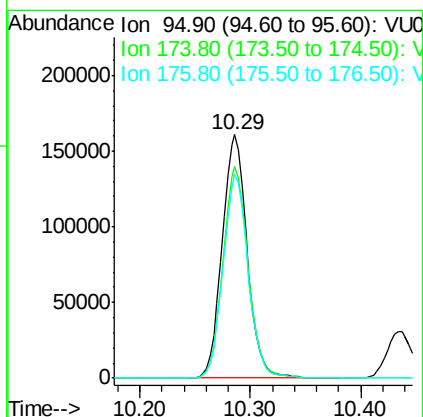
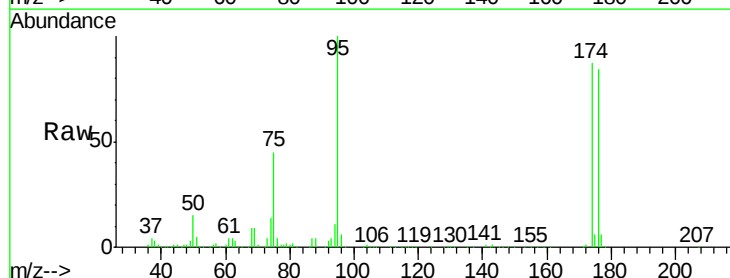
Manual Integrations
 APPROVED

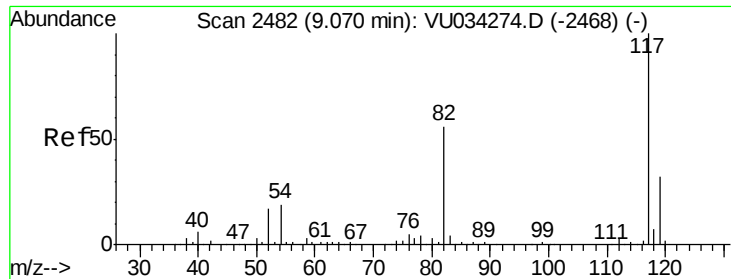
MMDadoda
 9/16/2019 11:16:48 AM



#62
 4-Bromofluorobenzene
 Concen: 54.923 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.9	0.0	175.2
176	83.6	0.0	168.0





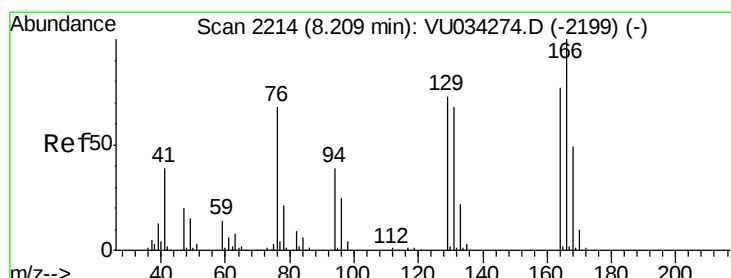
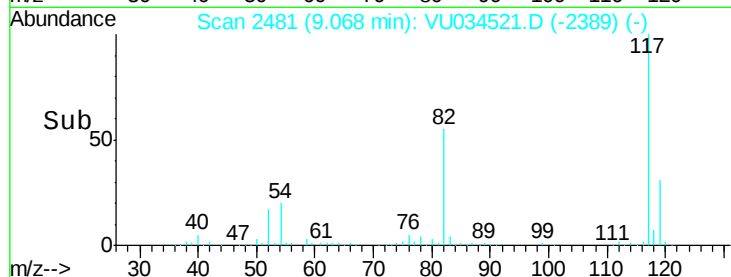
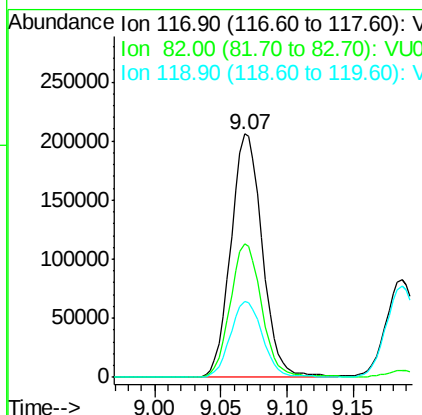
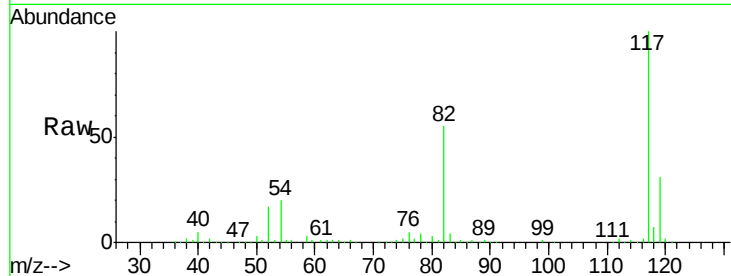
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	67.0
119	31.4	25.9	38.9

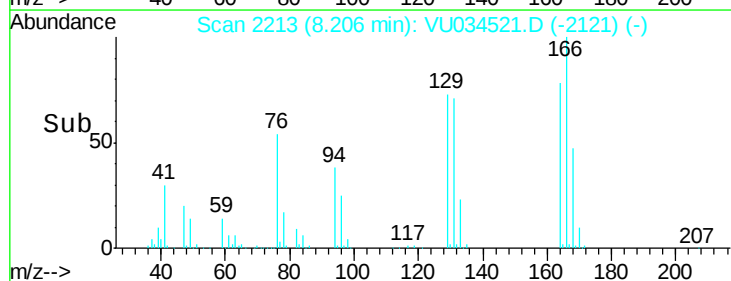
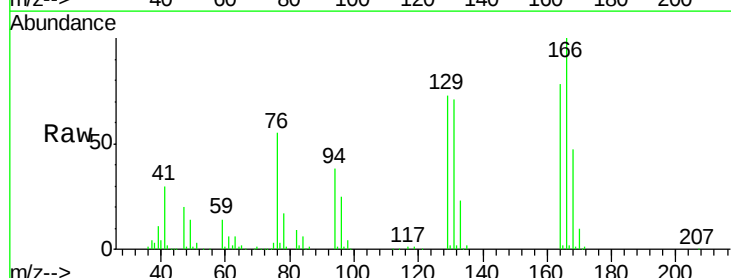
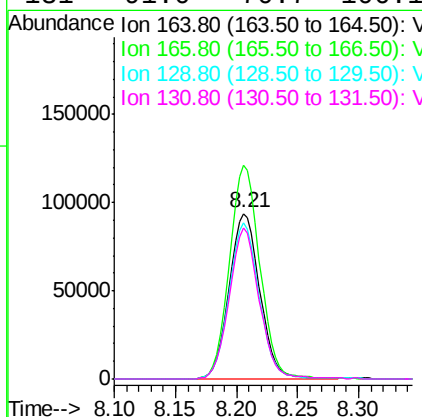
Manual Integrations
APPROVED

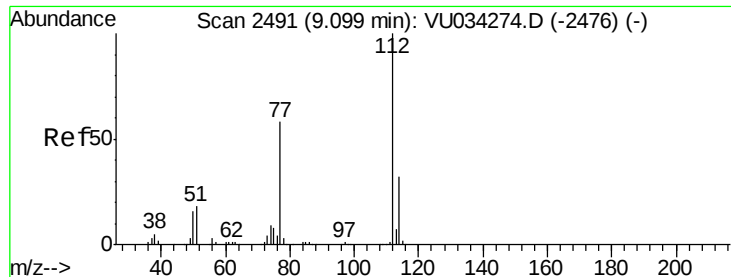
MMDadoda
9/16/2019 11:16:48 AM



#64
Tetrachloroethene
Concen: 55.798 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	103.7	155.5
129	94.0	75.8	113.8
131	91.0	70.7	106.1





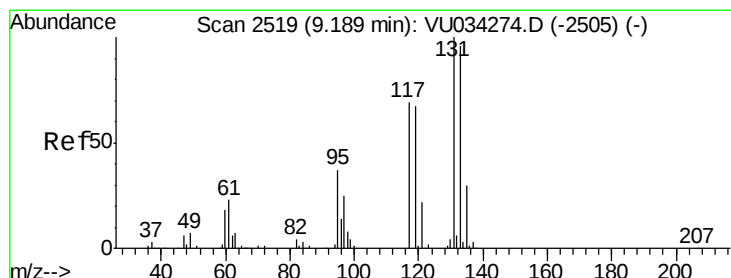
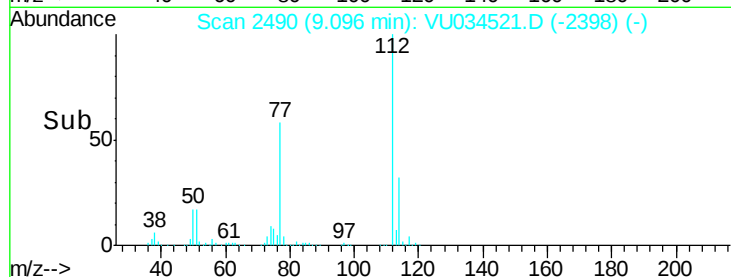
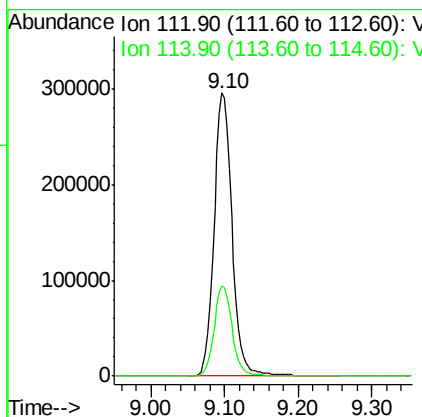
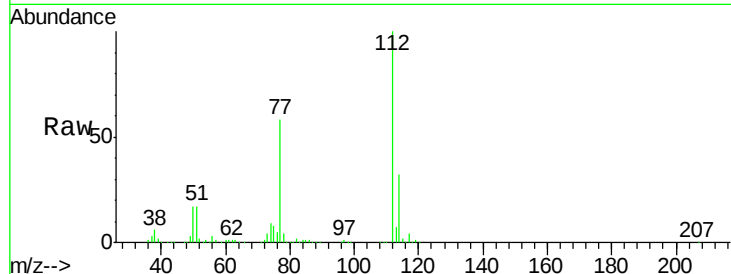
#65
Chlorobenzene
Concen: 57.950 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.9	38.9

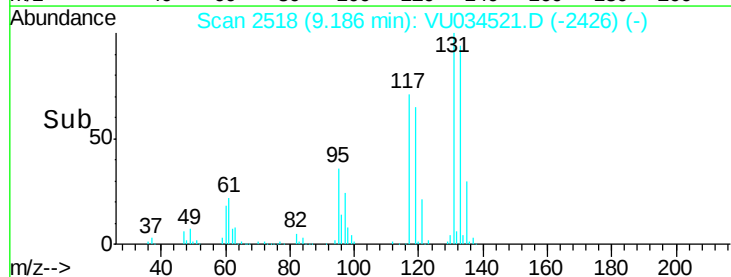
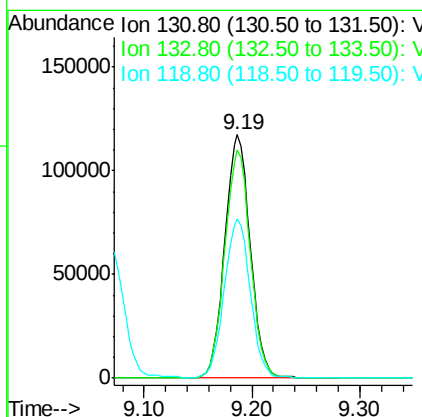
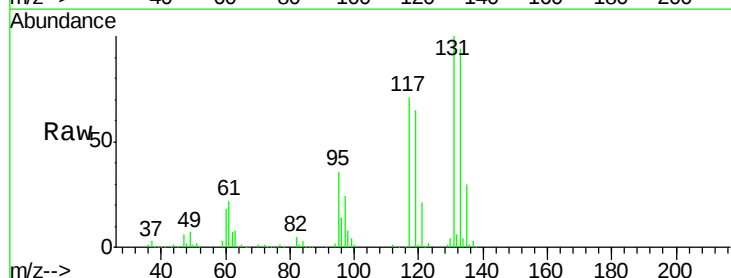
Manual Integrations
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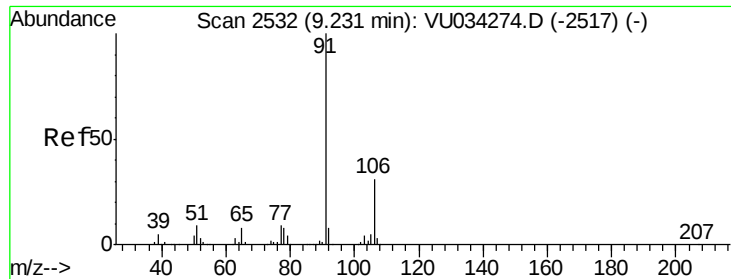
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 58.694 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.9	143.7
119	66.3	33.1	99.5





#67

Ethyl Benzene

Concen: 59.094 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 834404

Ion Ratio Lower Upper

91 100

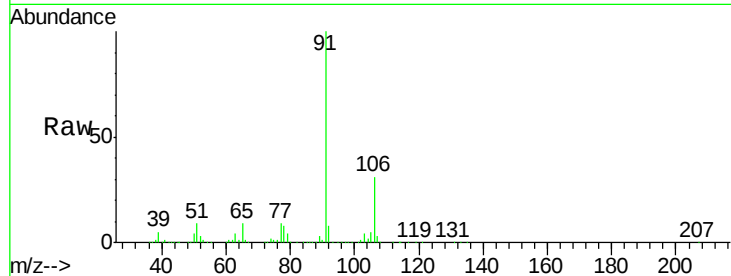
106 31.4 24.8 37.2

Manual Integrations

APPROVED

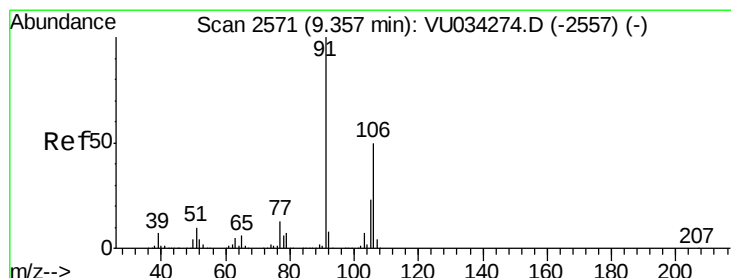
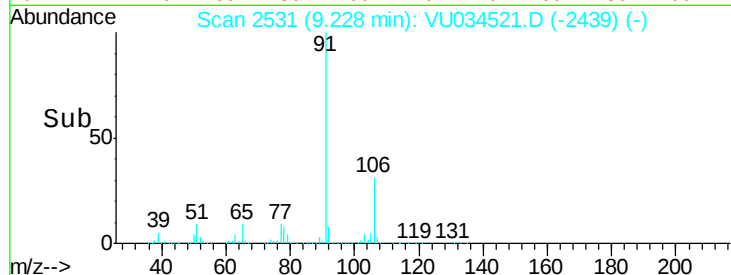
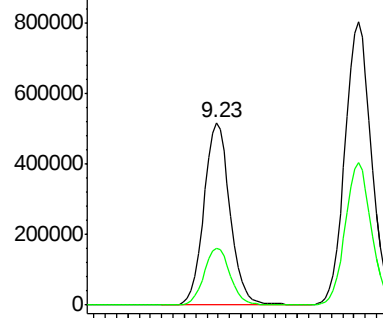
MMDadoda

9/16/2019 11:16:48 AM



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 123.752 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034521.D

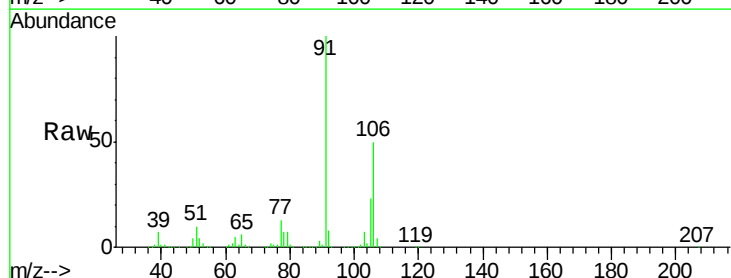
Acq: 12 Sep 2019 15:34

Tgt Ion: 106 Resp: 657990

Ion Ratio Lower Upper

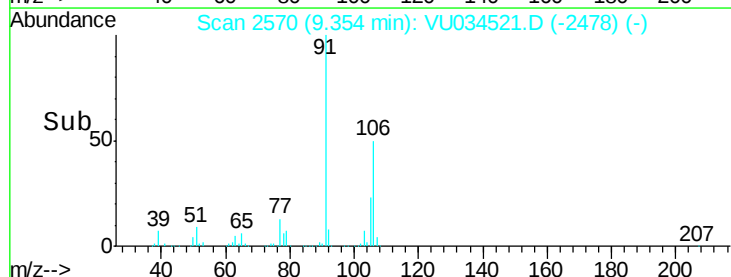
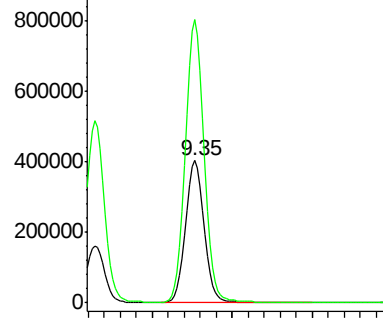
106 100

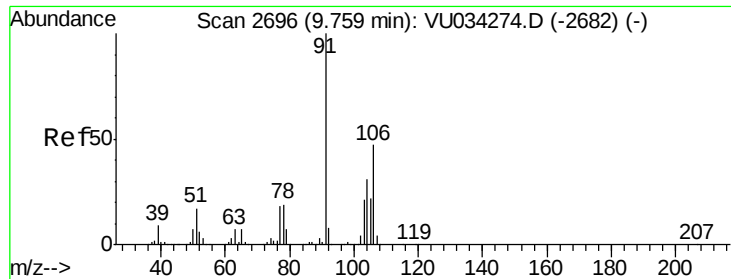
91 200.5 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





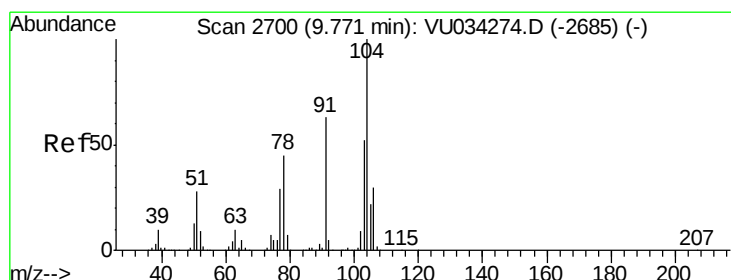
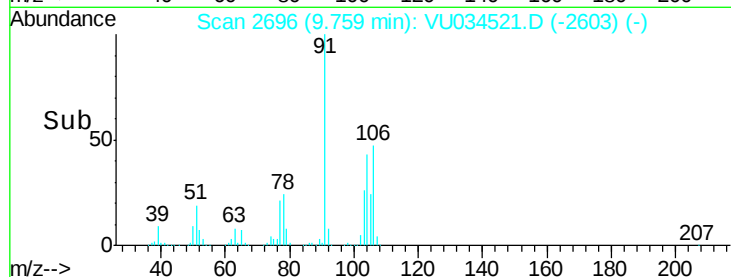
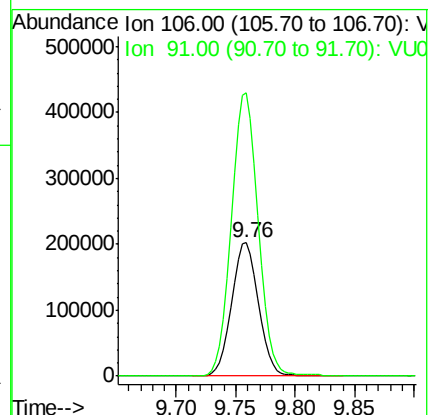
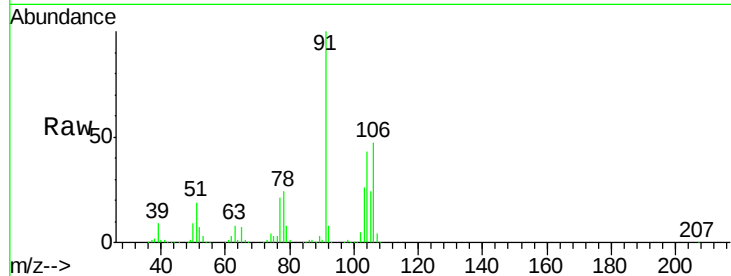
#69
o-Xylene
Concen: 61.072 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		317565		
91	211.7	105.1	315.3		

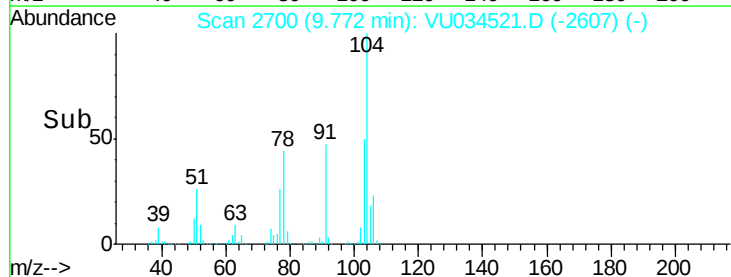
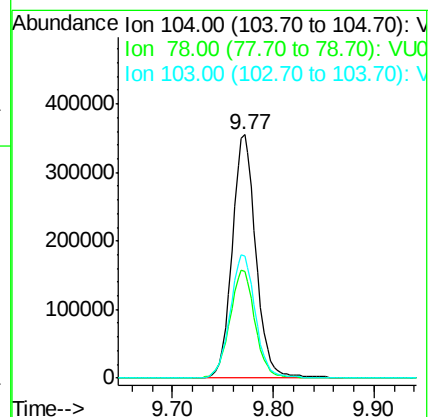
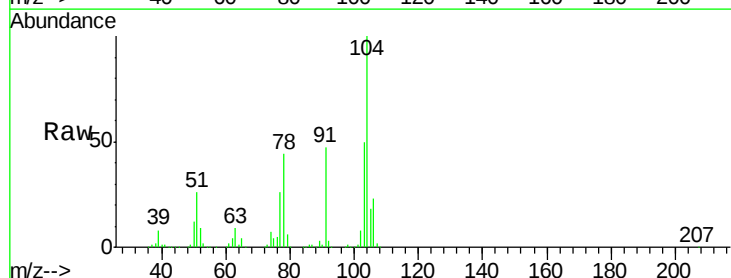
Manual Integrations
APPROVED

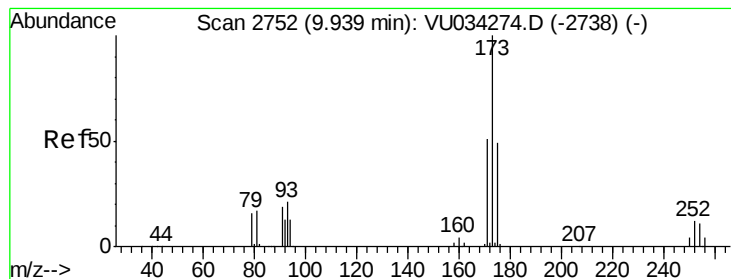
MMDadoda
9/16/2019 11:16:48 AM



#70
Styrene
Concen: 64.011 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		583565		
78	47.6	38.6	57.8		
103	54.2	44.2	66.4		





#71

Bromoform

Concen: 59.652 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 170380

Ion Ratio Lower Upper

173 100

175 48.3 24.4 73.2

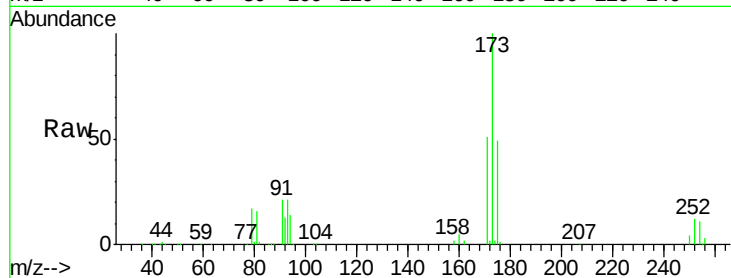
254 0.1 0.0 0.0#

Manual Integrations

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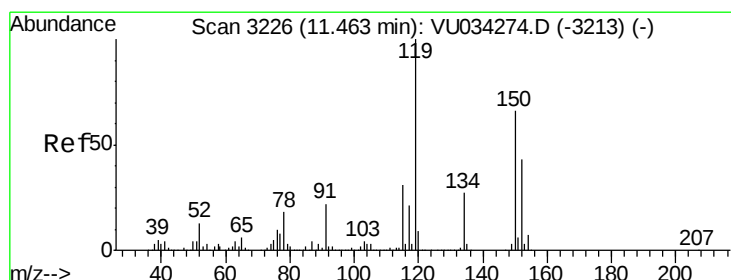
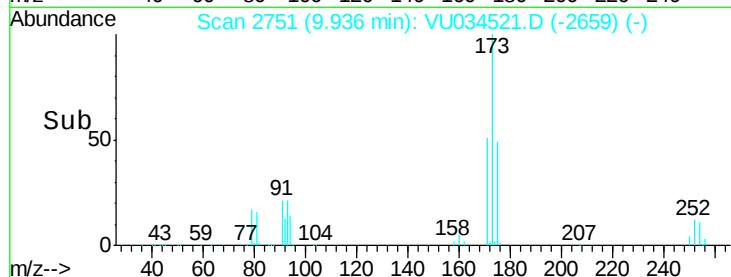
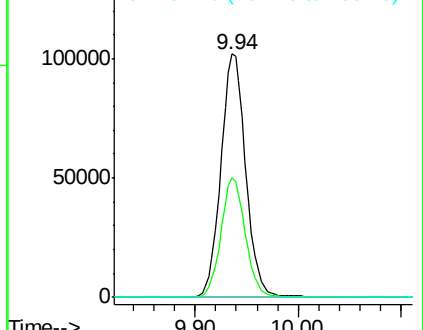
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

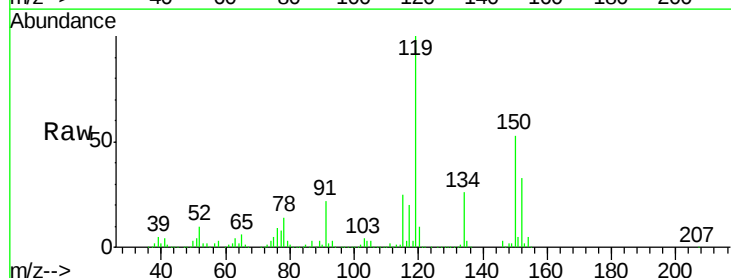
Tgt Ion:152 Resp: 235485

Ion Ratio Lower Upper

152 100

115 80.6 39.1 117.3

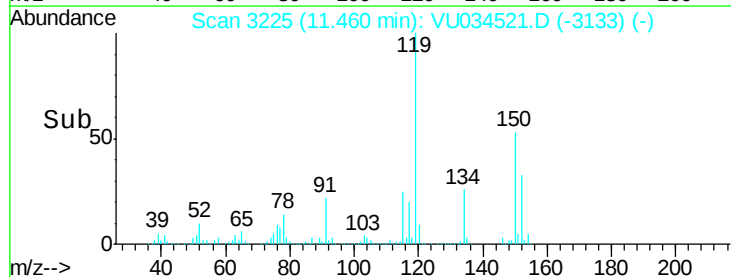
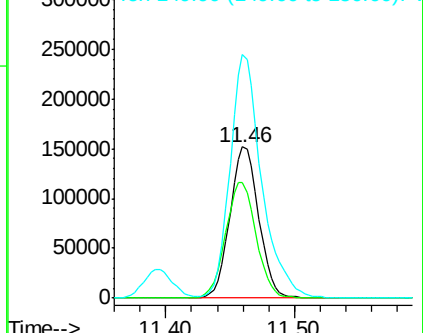
150 176.2 0.0 345.4

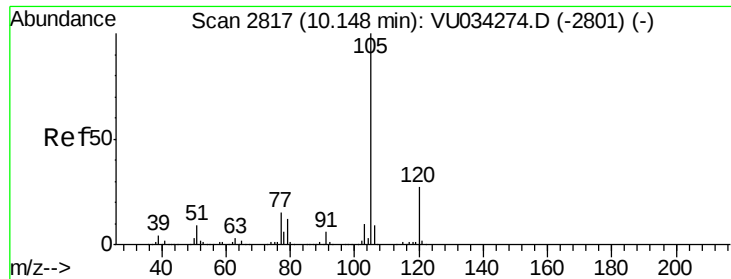


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 58.658 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 898927

Ion Ratio Lower Upper

105 100

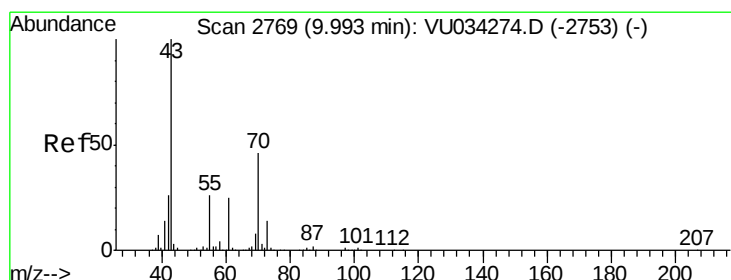
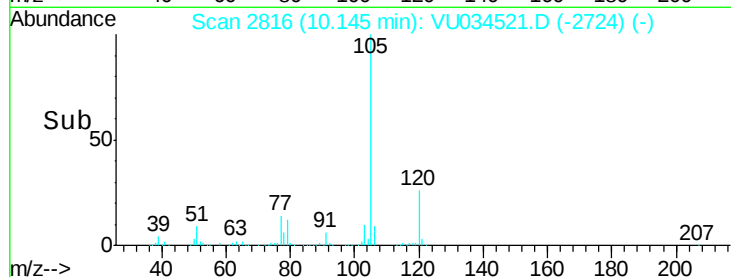
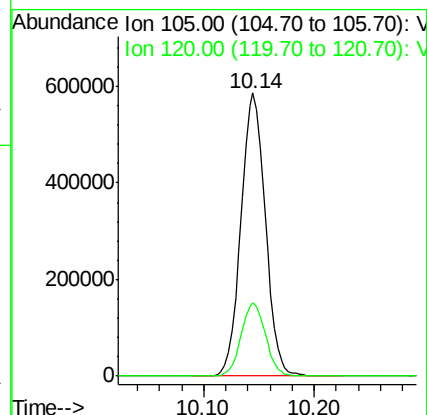
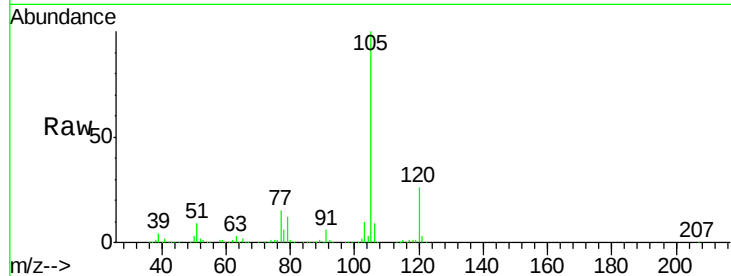
120 26.0 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 57.684 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Tgt Ion: 43 Resp: 355834

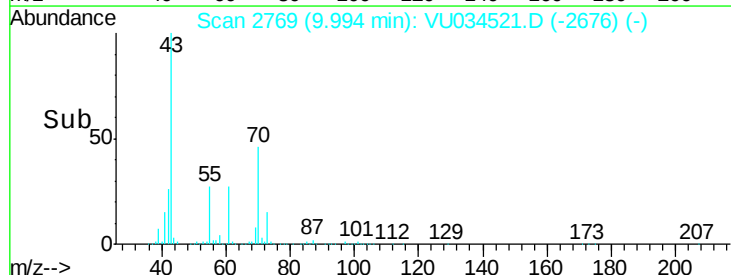
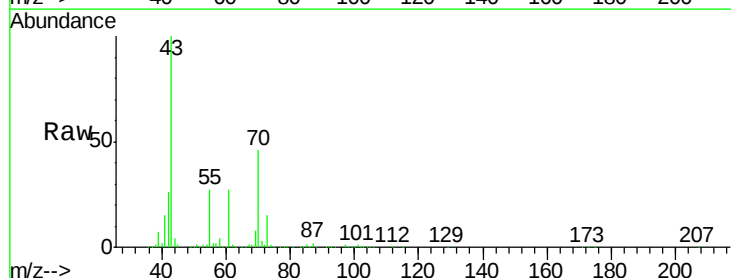
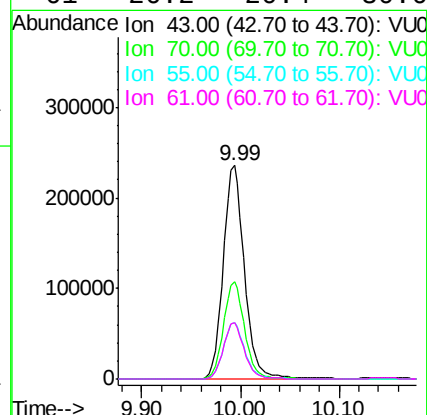
Ion Ratio Lower Upper

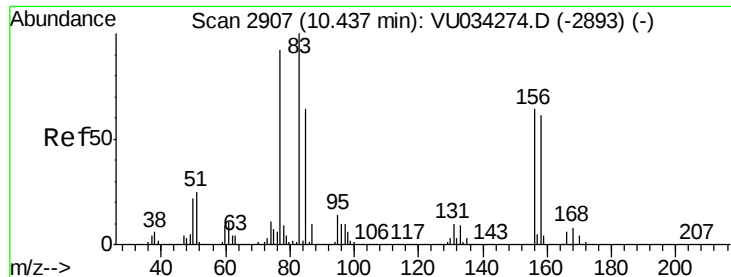
43 100

70 45.8 36.4 54.6

55 26.9 21.2 31.8

61 26.2 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.416 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

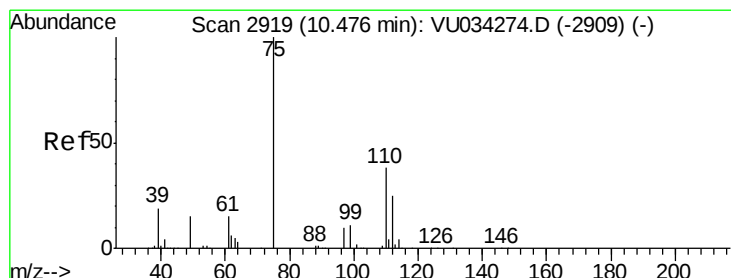
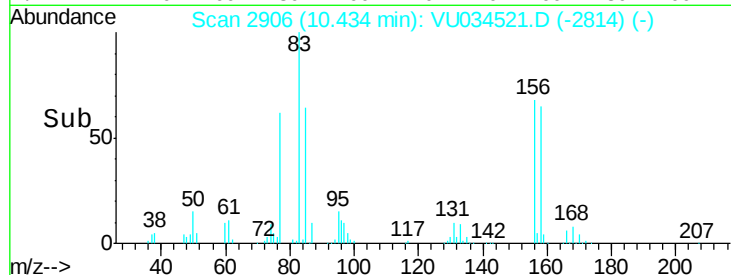
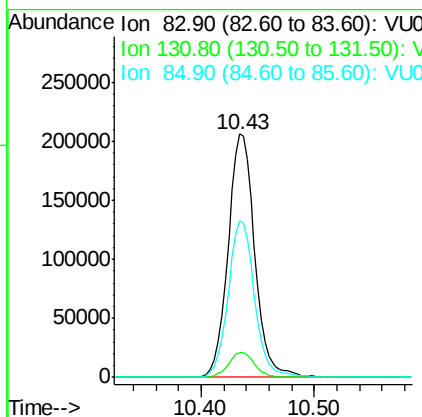
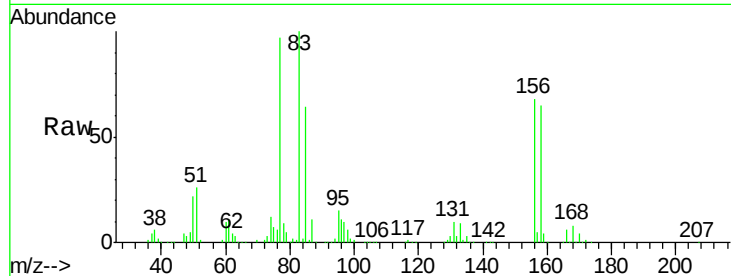
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	337547
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.2
85	64.0	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.997 ug/l m

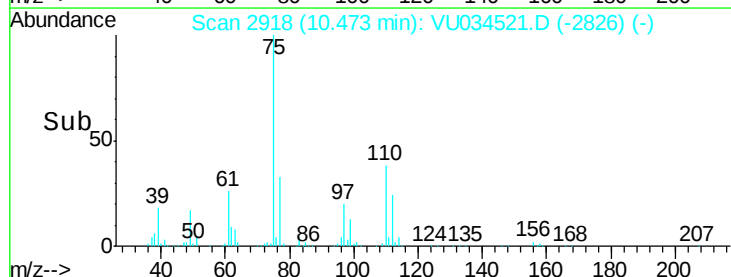
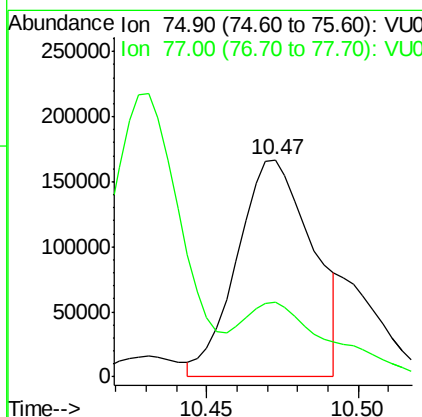
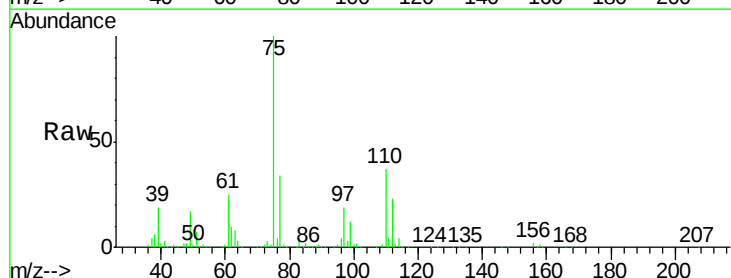
RT: 10.47 min Scan# 2918

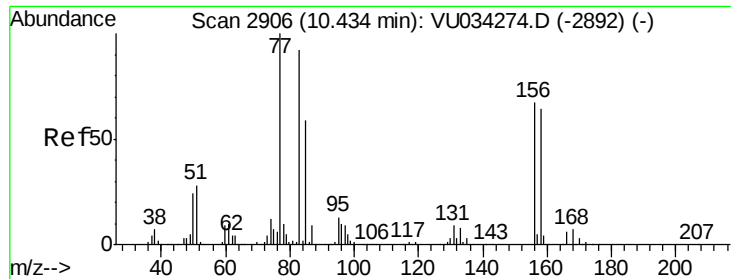
Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Tgt Ion:	75	Resp:	287838
Ion Ratio	Lower	Upper	
75	100		
77	40.6	20.8	62.2





#77

Bromobenzene

Concen: 57.168 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

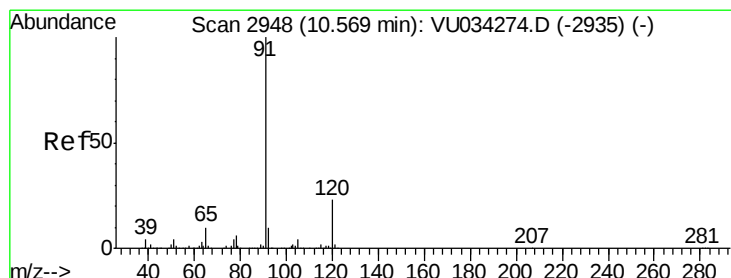
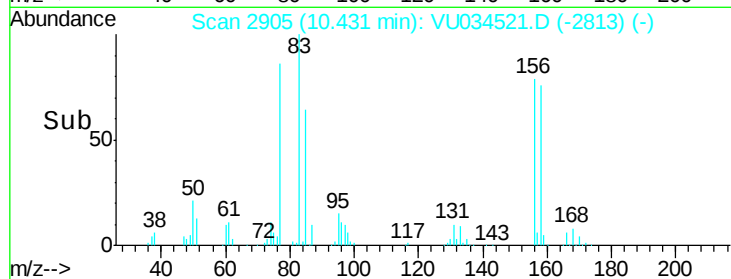
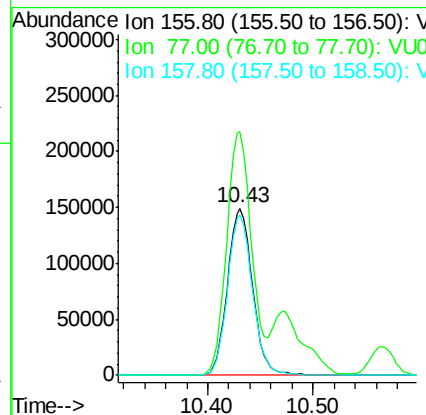
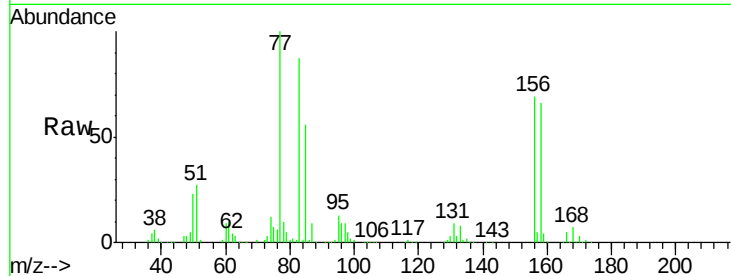
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		244966		
77	146.5	75.6	226.9		
158	95.8	48.2	144.6		

Manual Integrations
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#78

n-propylbenzene

Concen: 58.733 ug/l

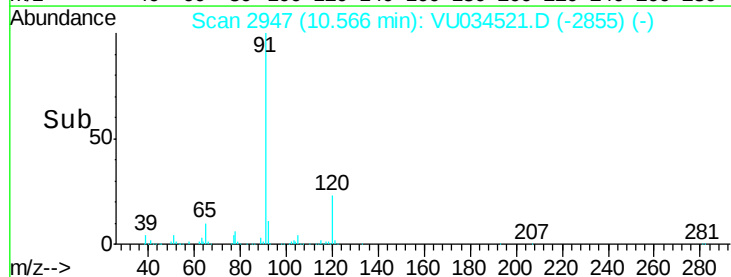
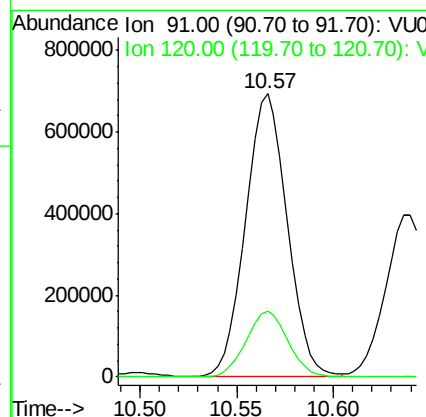
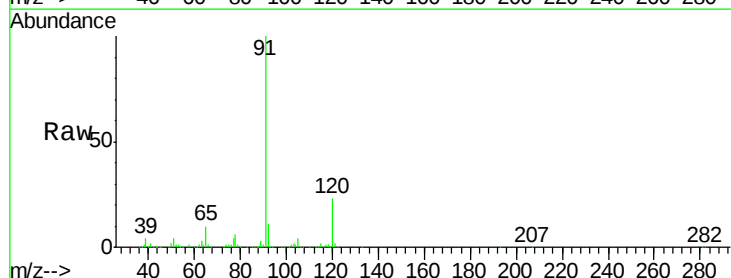
RT: 10.57 min Scan# 2947

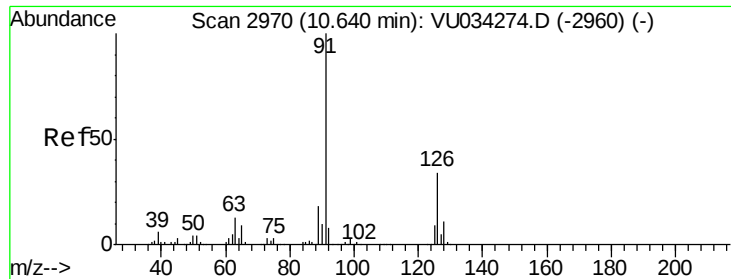
Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1039488		
120	23.6	11.7	35.0		





#79

2-Chlorotoluene

Concen: 57.965 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 625964

Ion Ratio Lower Upper

91 100

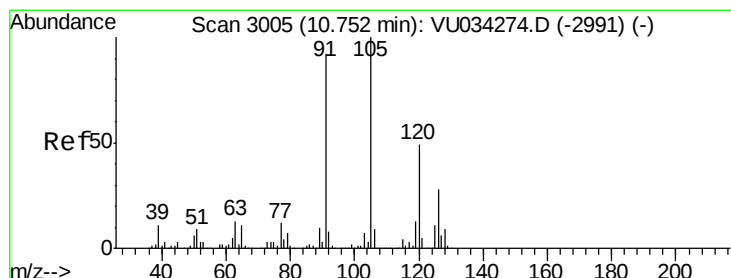
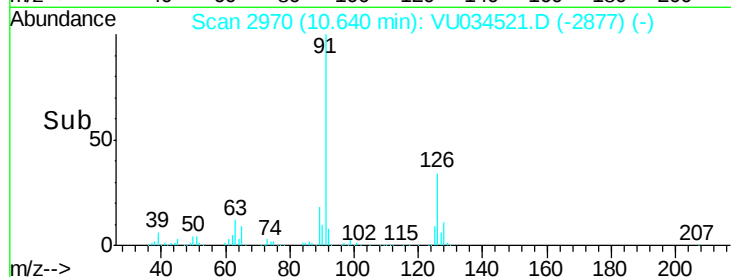
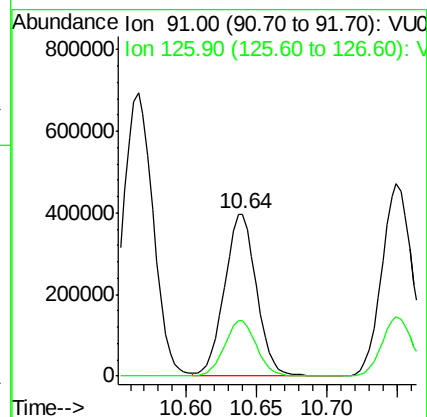
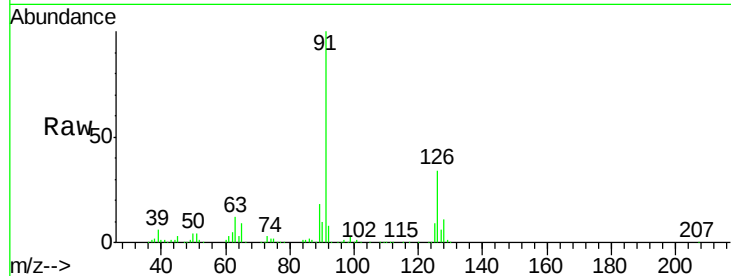
126 34.2 17.3 51.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 60.575 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034521.D

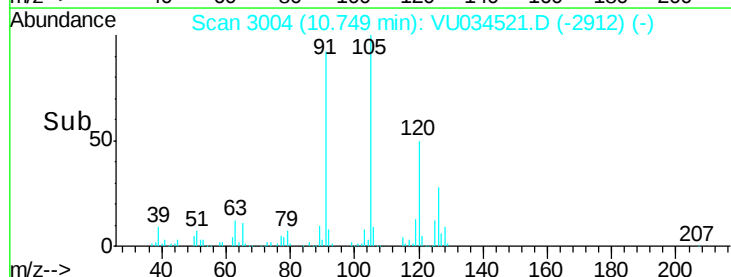
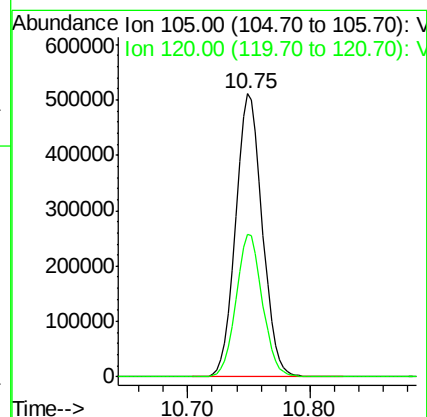
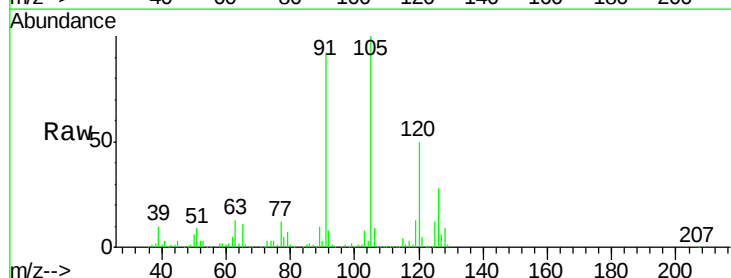
Acq: 12 Sep 2019 15:34

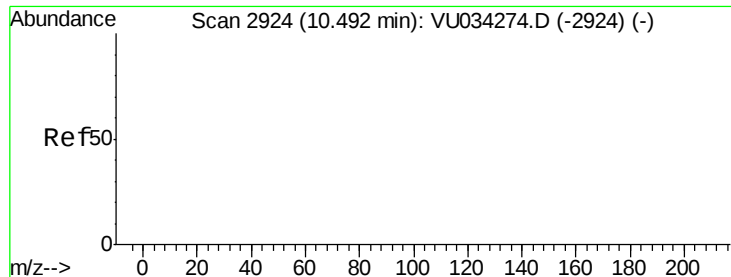
Tgt Ion: 105 Resp: 776378

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 49.084 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

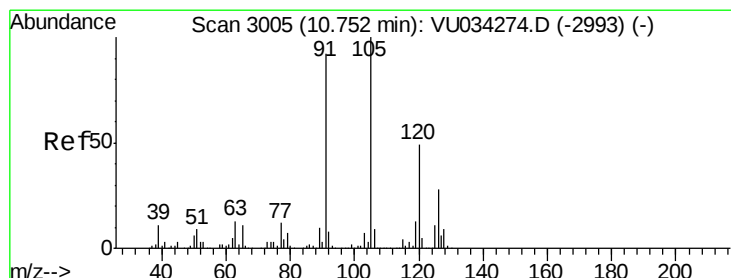
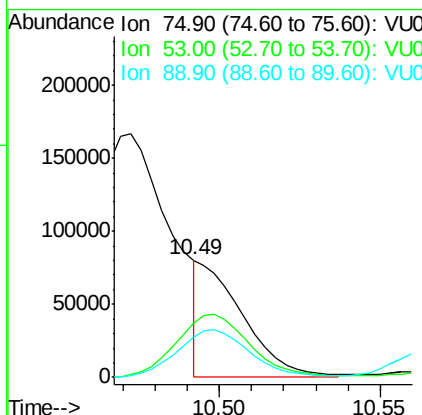
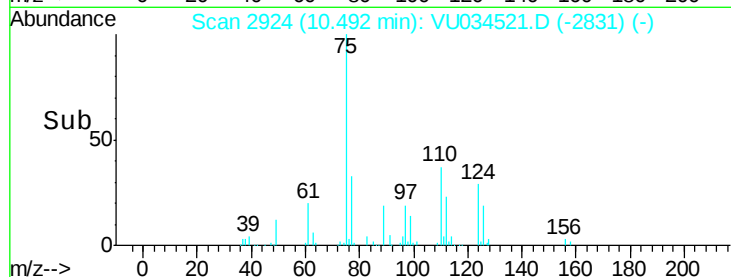
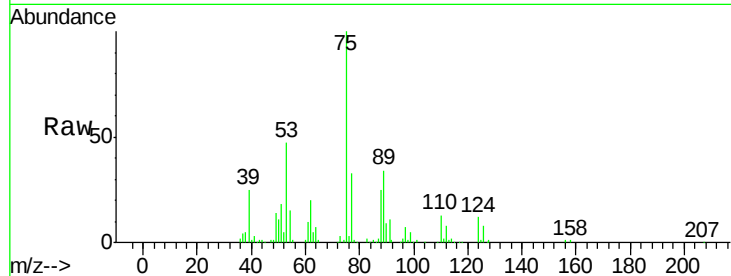
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050

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: 58.546 ug/l

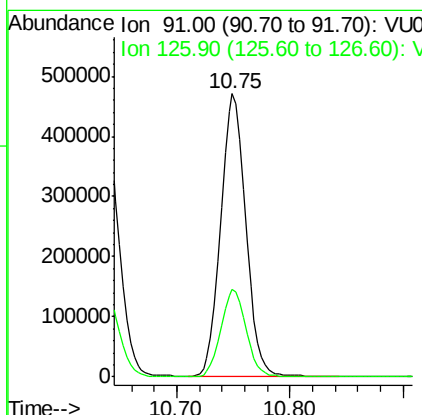
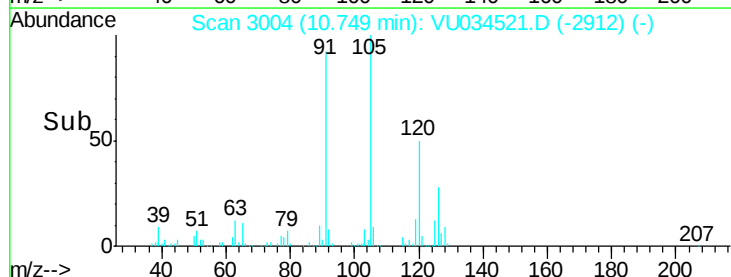
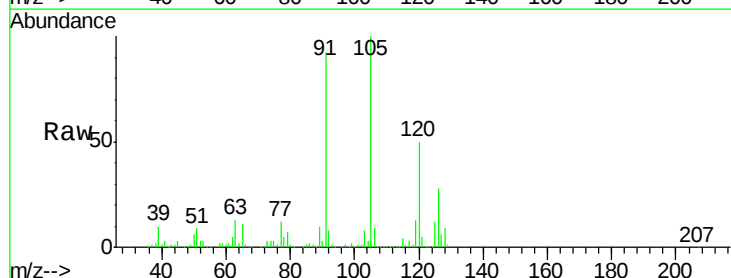
RT: 10.75 min Scan# 3004

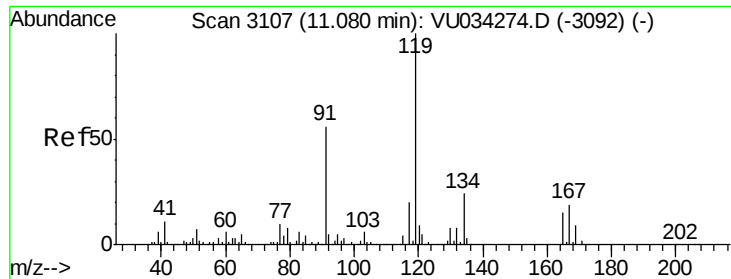
Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.8





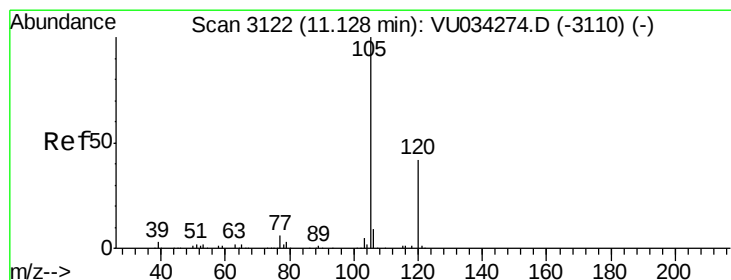
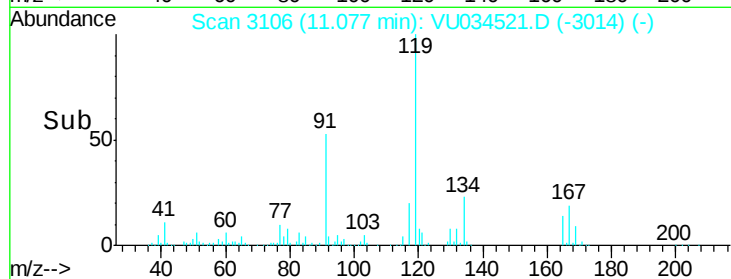
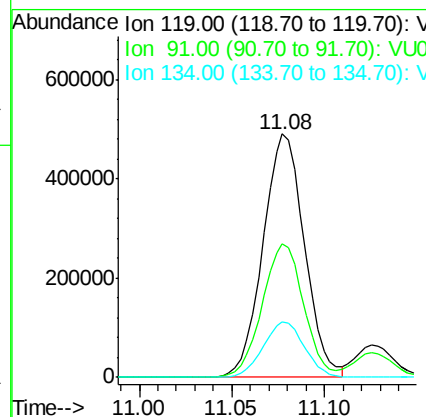
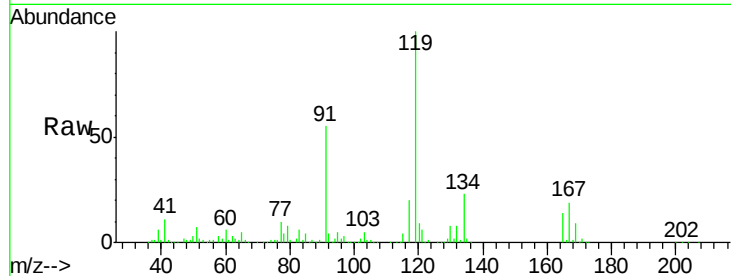
#83
 tert-Butylbenzene
 Concen: 59.302 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	760344		
91	54.6	27.8	83.4	
134	22.7	11.7	35.0	

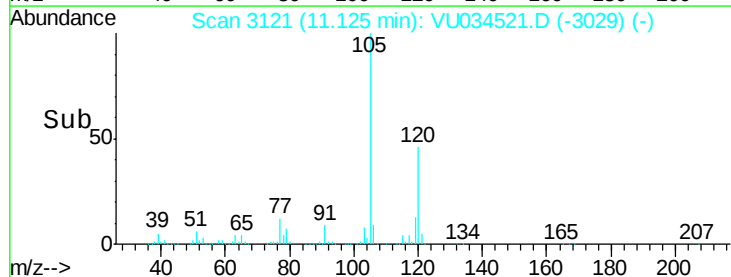
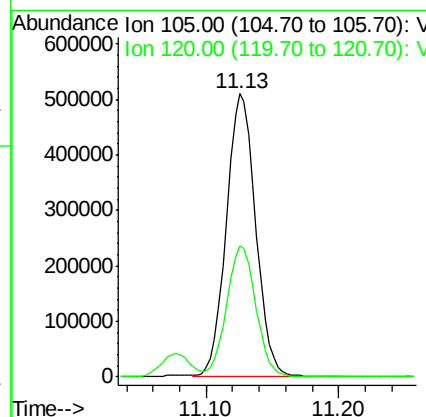
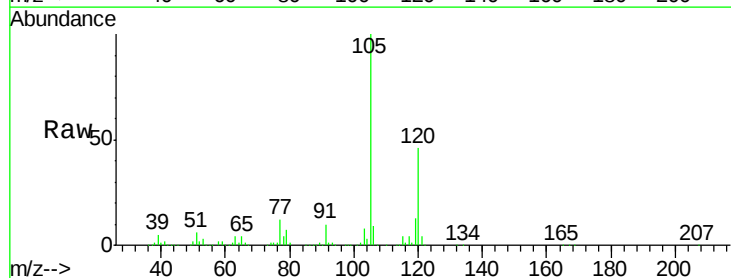
Manual Integrations
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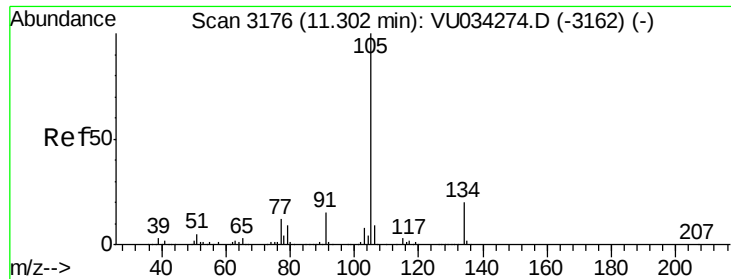
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 9/16/2019 11:16:48 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 60.378 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	778972		
120	46.5	22.9	68.8	





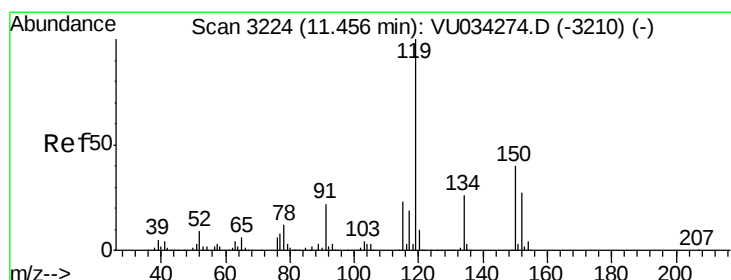
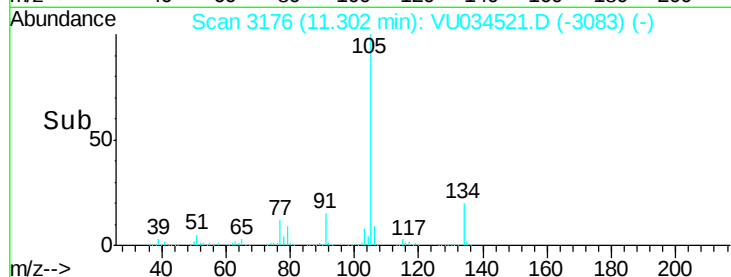
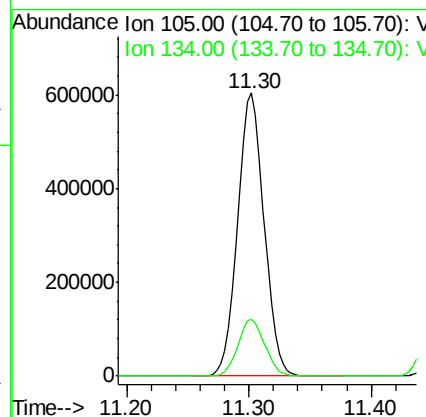
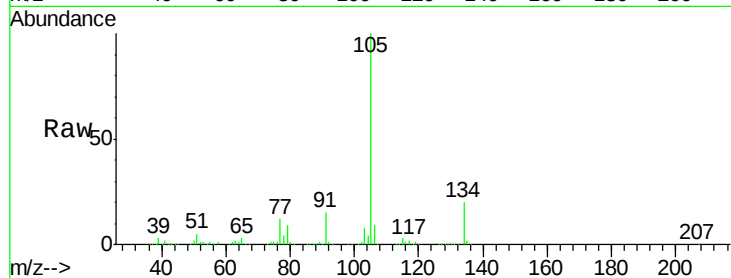
#85
 sec-Butylbenzene
 Concen: 59.912 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.1	30.3

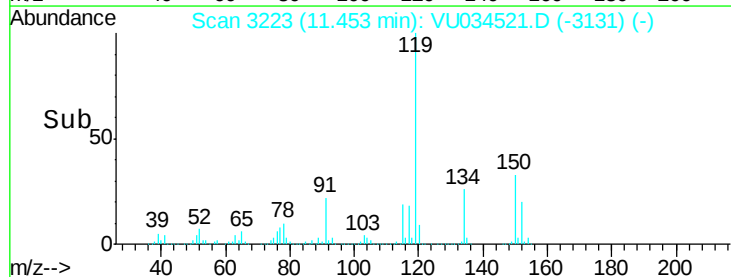
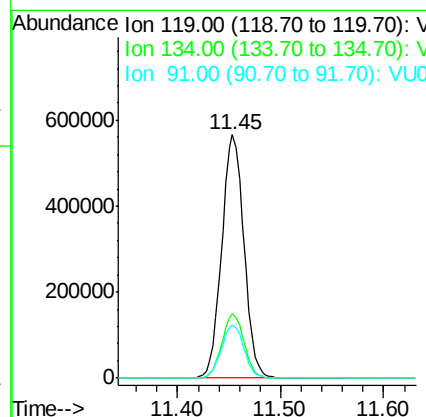
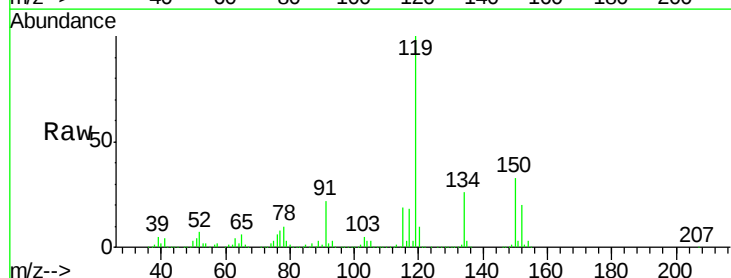
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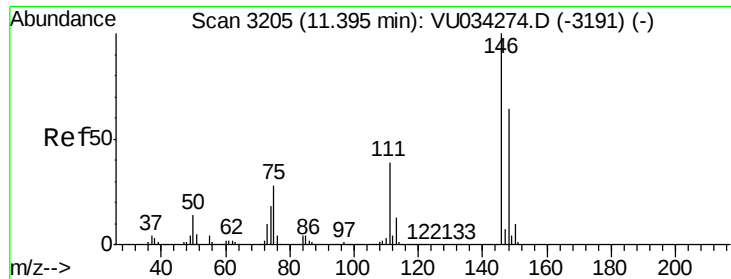
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 60.445 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.3	39.8
91	22.2	11.2	33.6





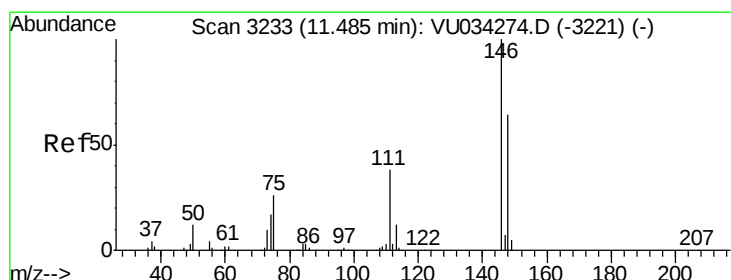
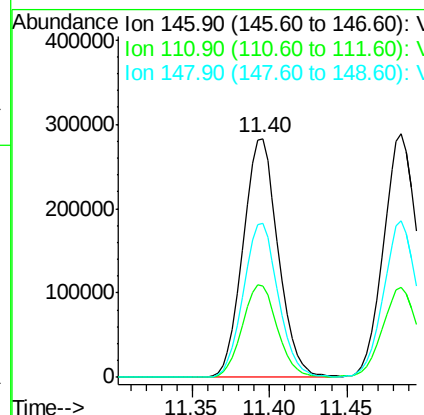
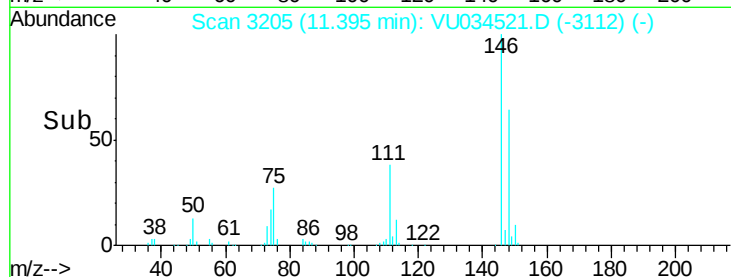
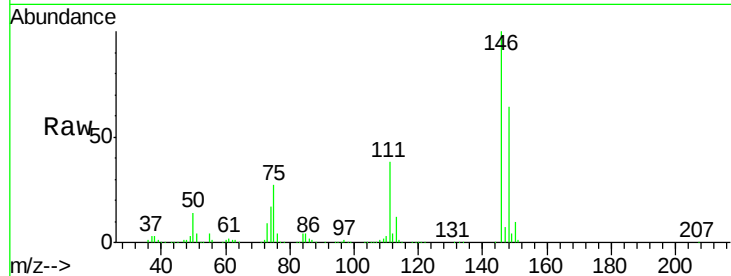
#87
 1,3-Dichlorobenzene
 Concen: 57.236 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.5	58.5
148	64.0	32.1	96.3

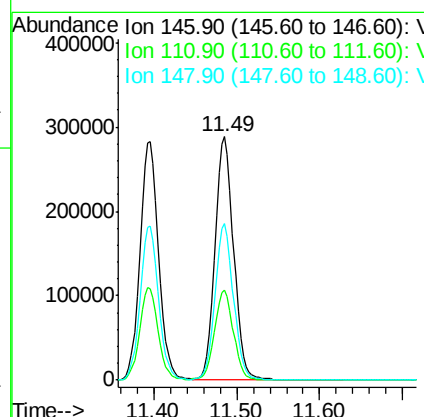
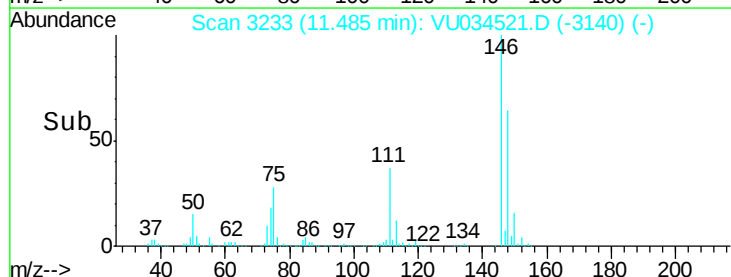
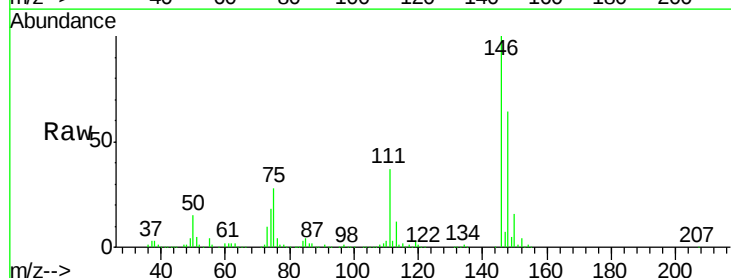
Manual Integrations
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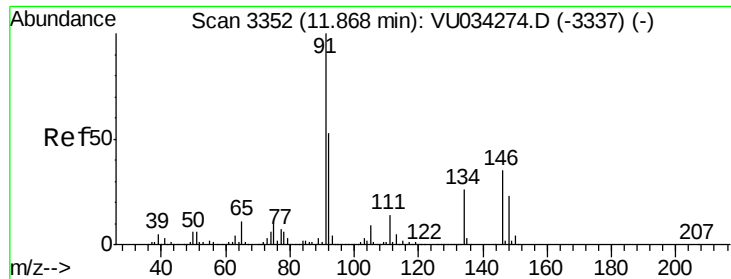
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#88
 1,4-Dichlorobenzene
 Concen: 55.690 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.3
148	63.3	32.0	96.0





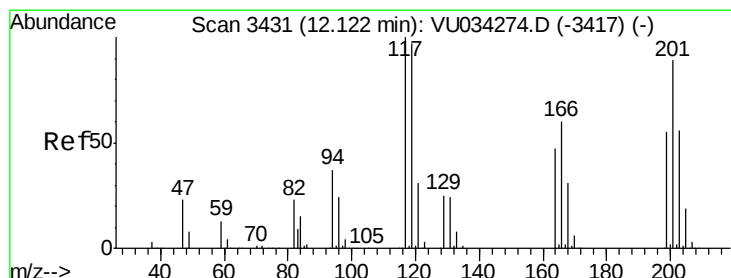
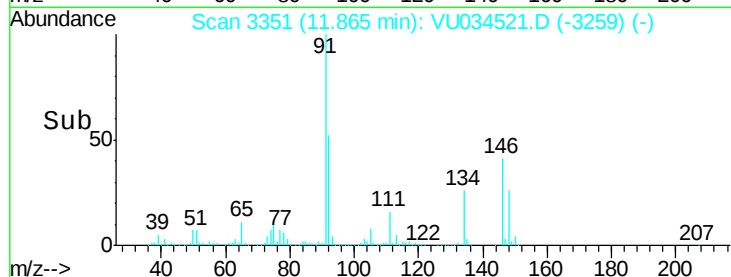
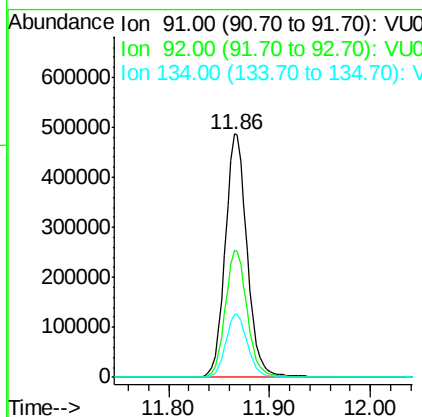
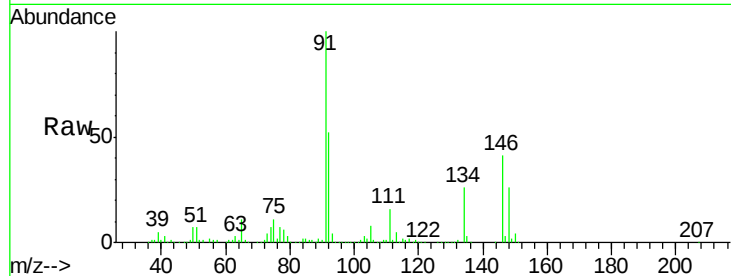
#89
n-Butylbenzene
Concen: 60.793 ug/l
RT: 11.86 min Scan# 3351
Delta R.T. -0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.5	79.4
134	26.2	13.2	39.6

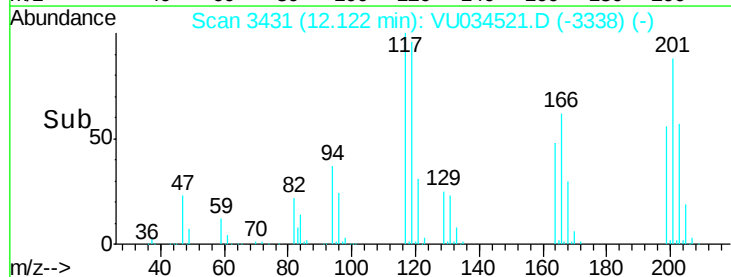
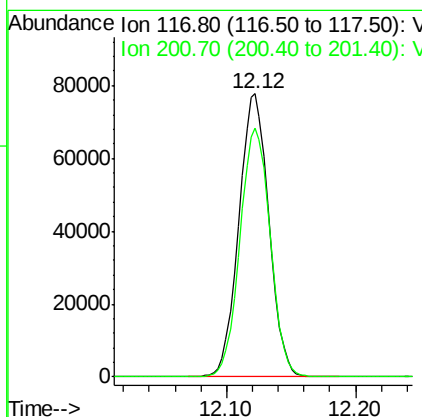
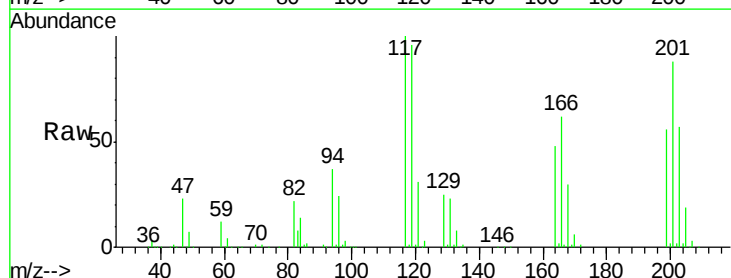
Manual Integrations
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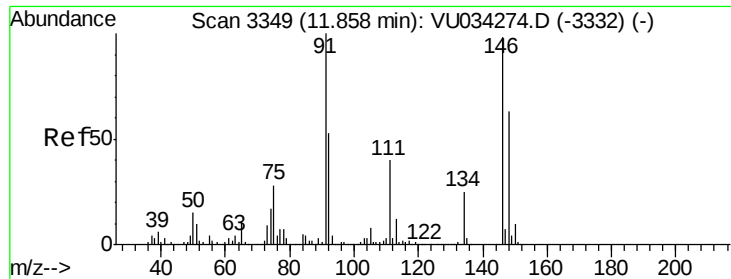
MMDadoda
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#90
Hexachloroethane
Concen: 56.228 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034521.D
Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	44.1	132.4





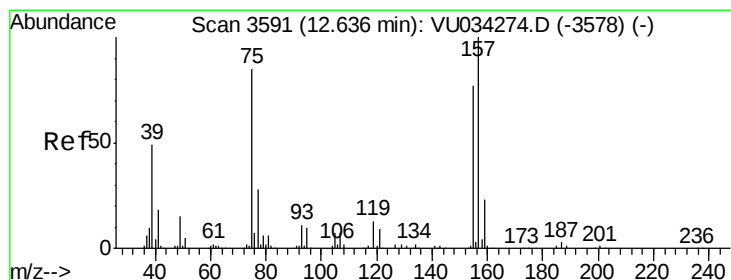
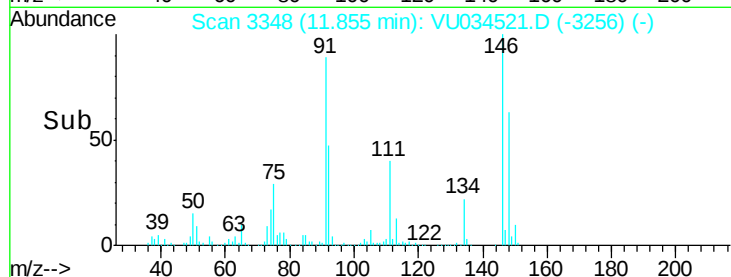
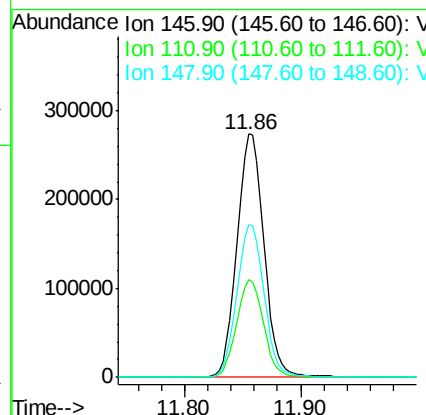
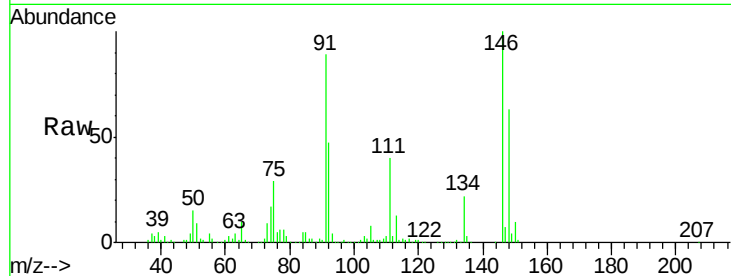
#91
 1,2-Dichlorobenzene
 Concen: 57.016 ug/l
 RT: 11.86 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	63.5	31.6	94.8

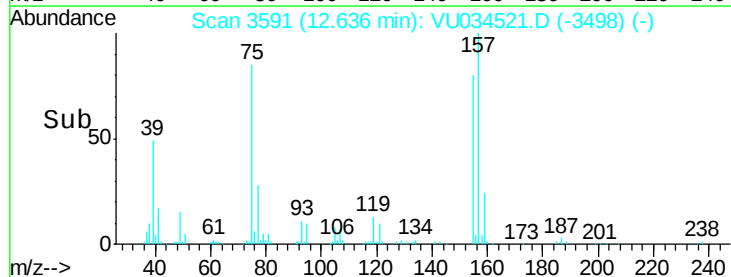
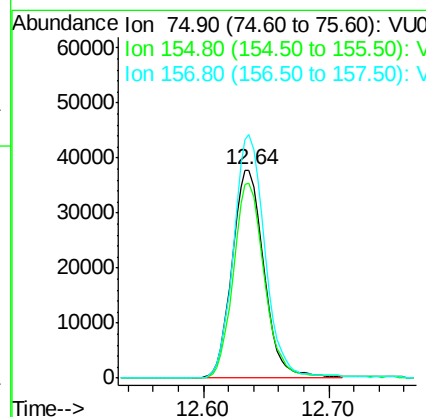
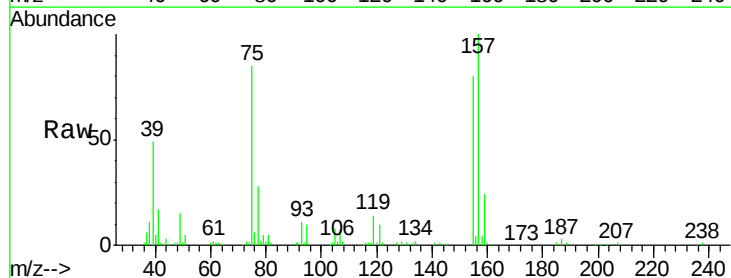
Manual Integrations
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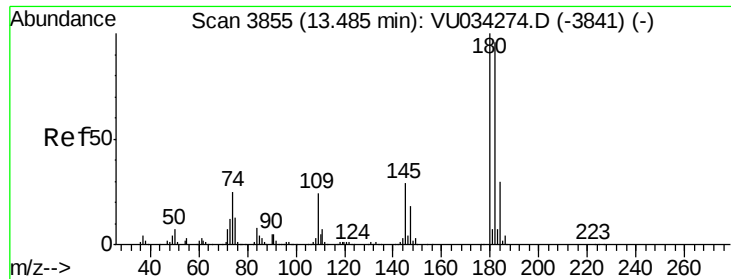
MMDadoda
 9/16/2019 11:16:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.584 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	44.6	134.0
157	115.6	58.2	174.6





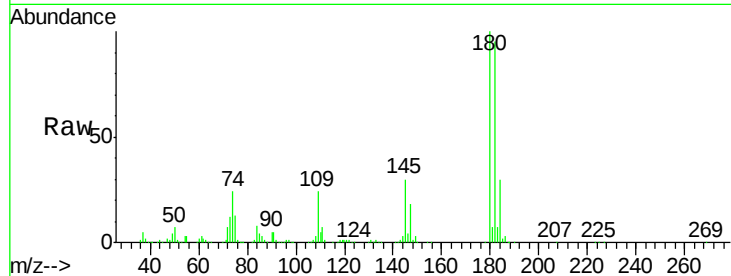
#93
 1,2,4-Trichlorobenzene
 Concen: 52.580 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

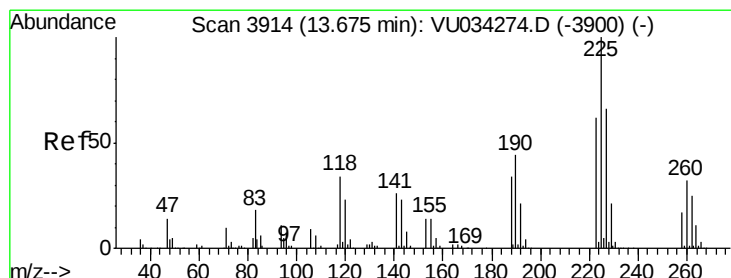
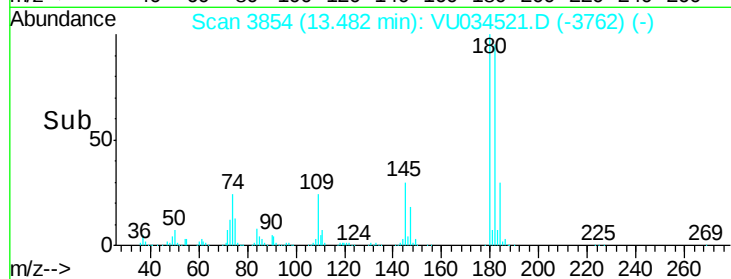
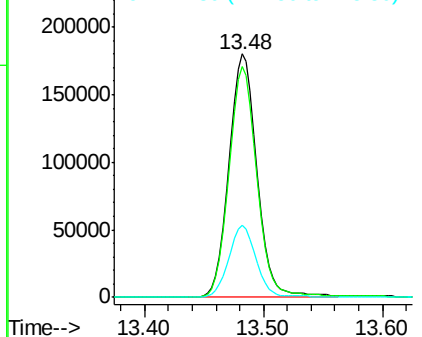
Tot Ion:	180	Resp:	294112
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.9	143.8
145	29.1	14.4	43.0

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:16:48 AM

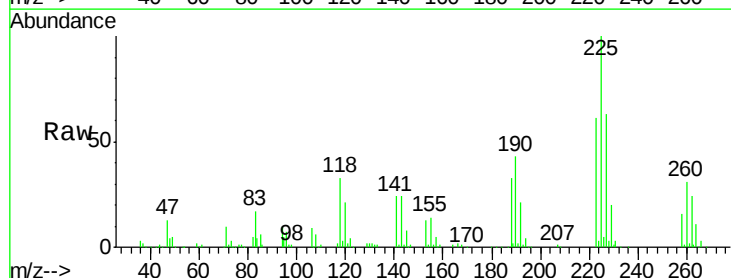


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

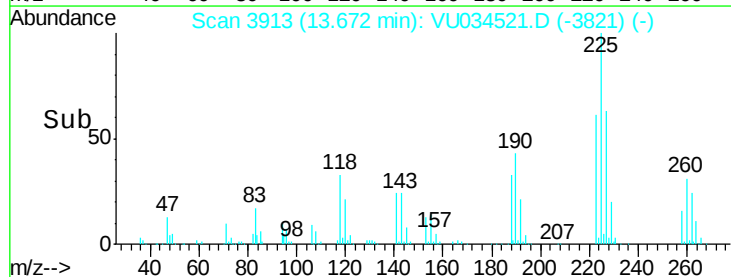
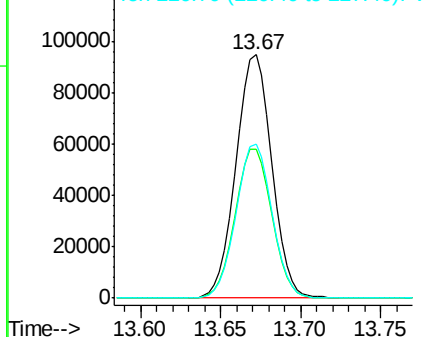


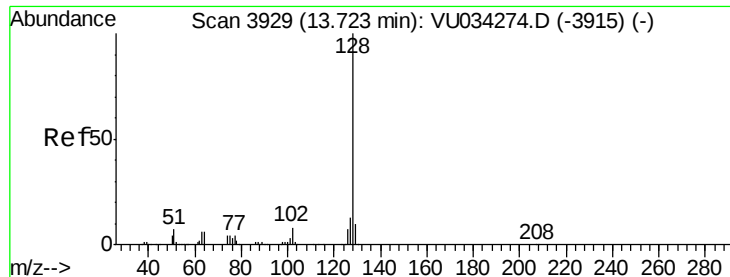
#94
 Hexachlorobutadiene
 Concen: 53.626 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034521.D
 Acq: 12 Sep 2019 15:34

Tgt Ion:	225	Resp:	144150
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.6	94.7
227	63.7	32.3	96.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.827 ug/l

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Instrument :

MSVOA_U

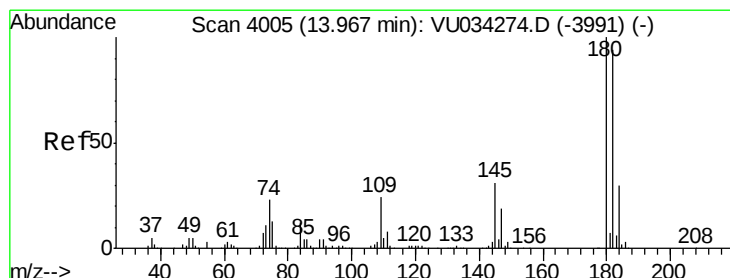
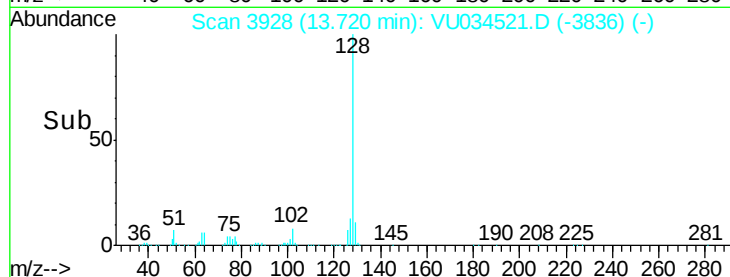
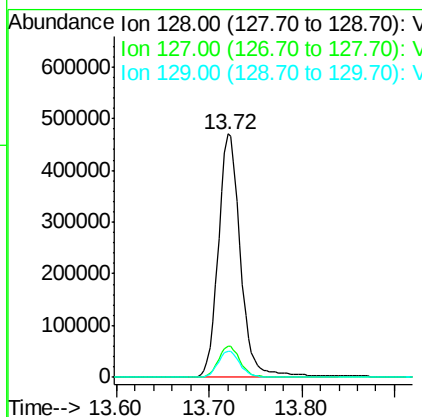
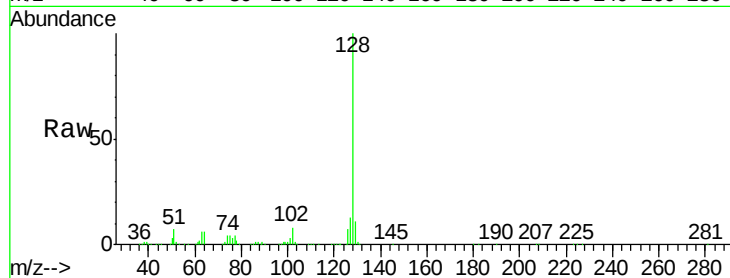
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	781783
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	10.5	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:16:48 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.297 ug/l

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034521.D

Acq: 12 Sep 2019 15:34

Tgt Ion:	180	Resp:	293577
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.4	145.0
145	30.5	15.4	46.4

