

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034289.D
 Acq On : 05 Sep 2019 17:28
 Operator : JC/SP
 Sample : VU0906WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:22:12 PM

Quant Time: Sep 06 08:15:41 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	322415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	482411	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	469851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	306628	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	247161	50.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.34%	
35) Dibromofluoromethane	4.86	113	214289	47.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.48%	
50) Toluene-d8	7.55	98	849559	50.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.74%	
62) 4-Bromofluorobenzene	10.29	95	313216	48.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	61460	18.227	ug/l	97
3) Chloromethane	1.32	50	73735	20.189	ug/l	99
4) Vinyl Chloride	1.40	62	77513	18.447	ug/l	98
5) Bromomethane	1.62	94	46887	19.381	ug/l	99
6) Chloroethane	1.69	64	48788	19.363	ug/l	97
7) Trichlorofluoromethane	1.88	101	105985	18.812	ug/l	98
8) Diethyl Ether	2.09	74	47189	19.041	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	70192	18.810	ug/l	100
10) Methyl Iodide	2.40	142	38442	14.240	ug/l	97
11) Tert butyl alcohol	2.81	59	99643	96.685	ug/l	100
12) 1,1-Dichloroethene	2.27	96	67517	19.247	ug/l	95
13) Acrolein	2.18	56	68381	78.943	ug/l	98
14) Allyl chloride	2.58	41	126615m	18.880	ug/l	
15) Acrylonitrile	2.92	53	259031	100.931	ug/l	98
16) Acetone	2.31	43	222233	88.032	ug/l	100
17) Carbon Disulfide	2.47	76	138779	17.603	ug/l	100
18) Methyl Acetate	2.60	43	116129	18.905	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	255869	20.012	ug/l	100
20) Methylene Chloride	2.69	84	85935	20.548	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	70227	18.998	ug/l	99
22) Diisopropyl ether	3.55	45	265744	20.319	ug/l	94
23) Vinyl Acetate	3.50	43	1080512	101.426	ug/l	100
24) 1,1-Dichloroethane	3.43	63	148472	19.010	ug/l	99
25) 2-Butanone	4.24	43	338754	100.526	ug/l	99
26) 2,2-Dichloropropane	4.20	77	118313	18.835	ug/l	100
27) cis-1,2-Dichloroethene	4.21	96	89308	19.892	ug/l	98
28) Bromochloromethane	4.52	49	68756	19.139	ug/l	99
29) Tetrahydrofuran	4.62	42	212330	103.547	ug/l	99
30) Chloroform	4.65	83	151132	19.037	ug/l	96
31) Cyclohexane	4.97	56	110855	19.401	ug/l	97
32) 1,1,1-Trichloroethane	4.89	97	122597	19.315	ug/l	99
36) 1,1-Dichloropropene	5.12	75	97529	18.642	ug/l	99
37) Ethyl Acetate	4.36	43	120325	19.452	ug/l	99
38) Carbon Tetrachloride	5.11	117	101569	18.182	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	106481	19.039	ug/l	98
40) Benzene	5.37	78	321057	19.018	ug/l	99
41) Methacrylonitrile	4.52	41	65150	19.773	ug/l	97
42) 1,2-Dichloroethane	5.38	62	110301	18.819	ug/l	99
43) Isopropyl Acetate	5.53	43	187090	19.388	ug/l	99
44) Trichloroethene	6.17	130	88437	18.931	ug/l	99
45) 1,2-Dichloropropane	6.41	63	93843	19.015	ug/l	96
46) Dibromomethane	6.54	93	57836	18.670	ug/l	99
47) Bromodichloromethane	6.74	83	116568	18.280	ug/l	99
48) Methyl methacrylate	6.60	41	85318	18.616	ug/l	98
49) 1,4-Dioxane	6.59	88	37663	376.330	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	651405	97.524	ug/l	100
52) Toluene	7.62	92	202579	19.129	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	123504	18.684	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	138393	19.076	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	90303	18.779	ug/l	97
56) Ethyl methacrylate	8.00	69	125723	19.226	ug/l	99
57) 1,3-Dichloropropane	8.22	76	148776	19.000	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	209535	95.755	ug/l	98
59) 2-Hexanone	8.34	43	488188	97.836	ug/l	99
60) Dibromochloromethane	8.46	129	96917	18.791	ug/l	99
61) 1,2-Dibromoethane	8.57	107	89990	19.120	ug/l	99
64) Tetrachloroethene	8.21	164	77391	18.986	ug/l	99
65) Chlorobenzene	9.10	112	231049	19.383	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	85017	18.688	ug/l	98
67) Ethyl Benzene	9.23	91	386136	19.812	ug/l	99
68) m/p-Xylenes	9.36	106	295830	40.307	ug/l	100
69) o-Xylene	9.76	106	144318	20.107	ug/l	100
70) Styrene	9.77	104	255081	20.270	ug/l	99
71) Bromoform	9.94	173	74806	18.974	ug/l #	100
73) Isopropylbenzene	10.15	105	396126	19.851	ug/l	99
74) N-amyl acetate	10.00	43	158894	19.782	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	151654	18.776	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	123028m	18.381	ug/l	
77) Bromobenzene	10.43	156	107777	19.316	ug/l	99
78) n-propylbenzene	10.57	91	457698	19.861	ug/l	100
79) 2-Chlorotoluene	10.64	91	276838	19.688	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	342458	20.520	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	41440m	20.821	ug/l	
82) 4-Chlorotoluene	10.75	91	322012	19.900	ug/l	99
83) tert-Butylbenzene	11.08	119	328502	19.676	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	342400	20.382	ug/l	99
85) sec-Butylbenzene	11.31	105	399308	20.259	ug/l	100
86) p-Isopropyltoluene	11.46	119	369242	20.297	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	195580	19.209	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	196506	18.504	ug/l	98
89) n-Butylbenzene	11.87	91	315262	19.942	ug/l	99
90) Hexachloroethane	12.12	117	52254	17.954	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	188287	18.817	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	28664	19.312	ug/l	97

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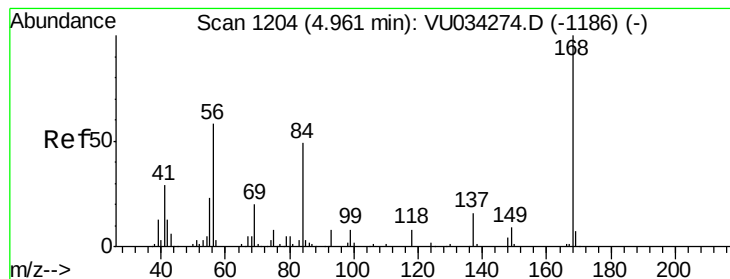
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	124707	19.450	ug/l	99
94) Hexachlorobutadiene	13.67	225	65851	18.814	ug/l	97
95) Naphthalene	13.73	128	333575	18.994	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	124141	19.414	ug/l	97

(#) = 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: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS02

Tot Ion:168 Resp: 322415

Ion Ratio Lower Upper

168 100

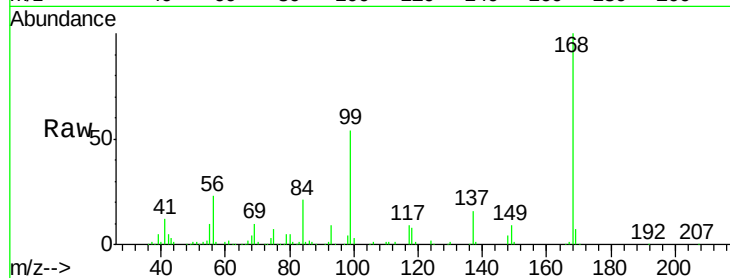
99 53.0 41.6 62.4

Manual Integrations

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

Ion 98.90 (98.60 to 99.60): VU034289.D (-1111) (-)

4.96

150000

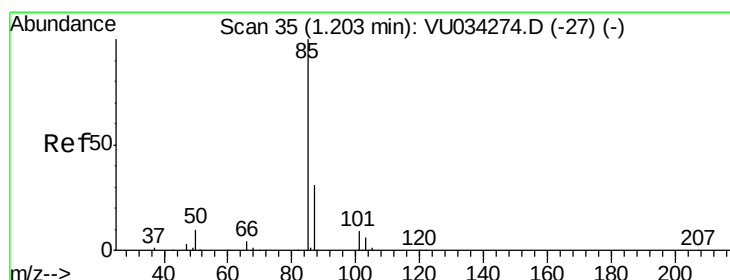
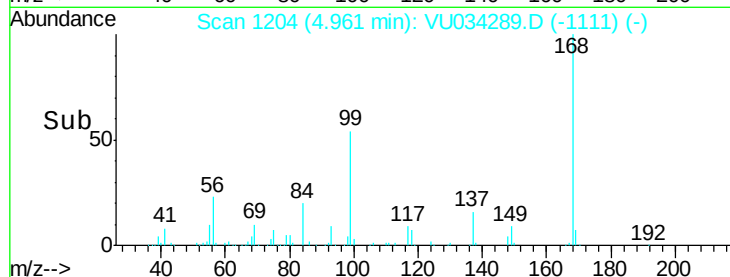
100000

50000

0

4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 18.227 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034289.D

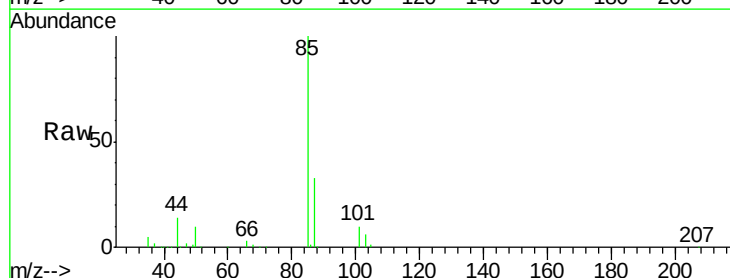
Acq: 05 Sep 2019 17:28

Tgt Ion: 85 Resp: 61460

Ion Ratio Lower Upper

85 100

87 32.8 15.7 47.0



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

Ion 86.90 (86.60 to 87.60): VU034289.D (-1) (-)

1.20

60000

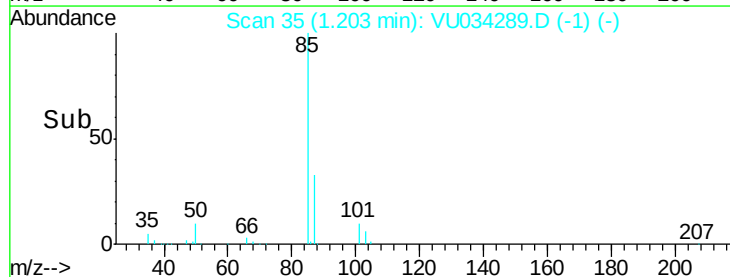
40000

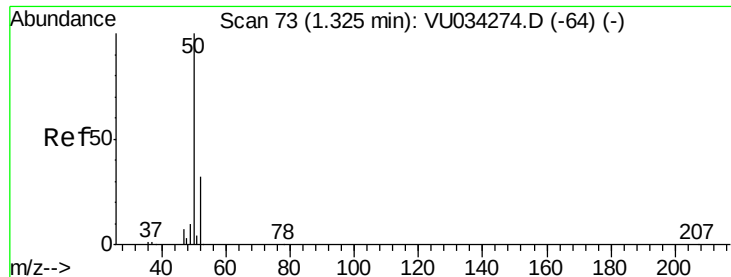
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.189 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS02

Tot Ion: 50 Resp: 73735

Ion Ratio Lower Upper

50 100

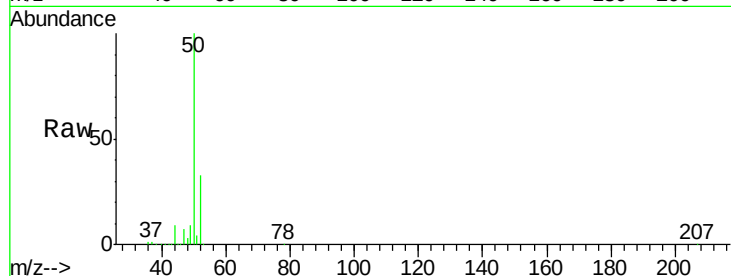
52 32.8 25.8 38.6

Manual Integrations

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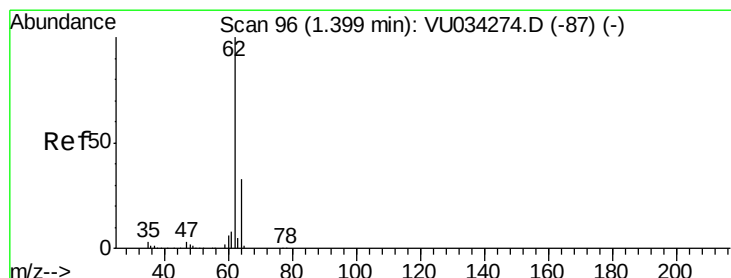
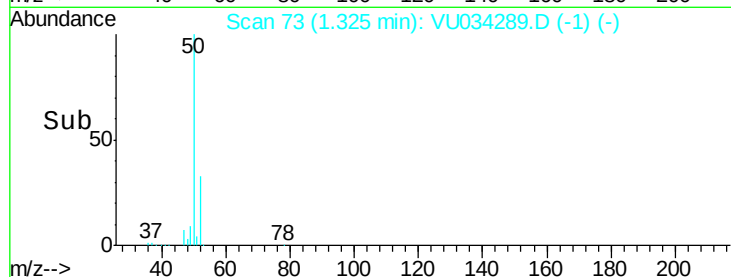
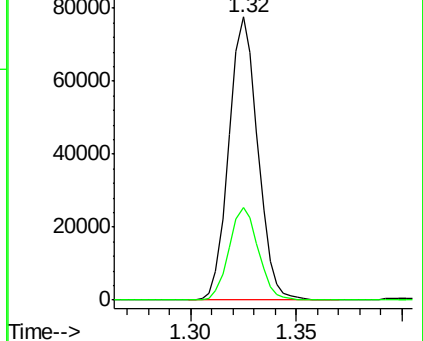
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.447 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034289.D

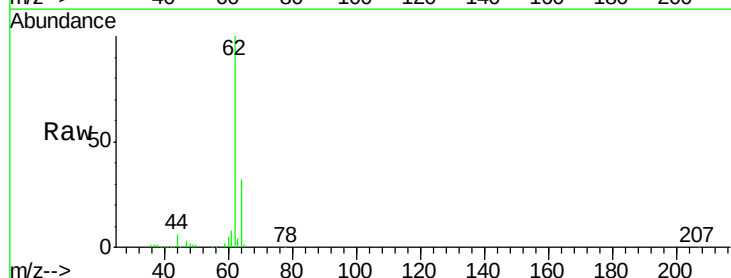
Acq: 05 Sep 2019 17:28

Tgt Ion: 62 Resp: 77513

Ion Ratio Lower Upper

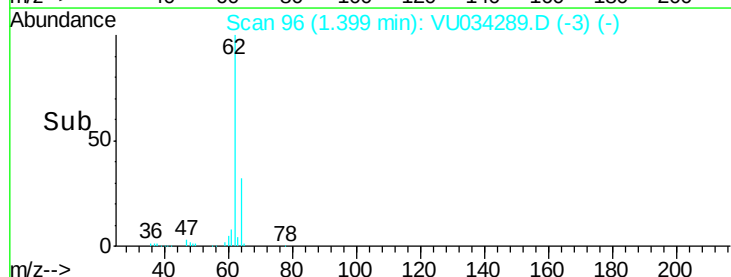
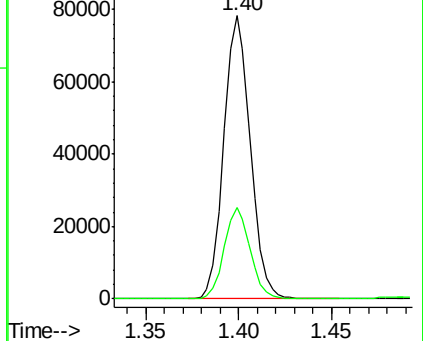
62 100

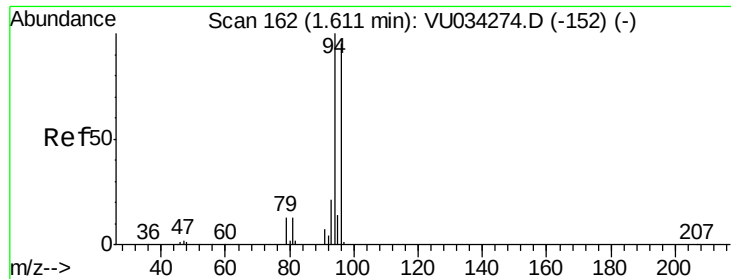
64 31.9 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 19.381 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS02

Tot Ion: 94 Resp: 46887

Ion Ratio Lower Upper

94 100

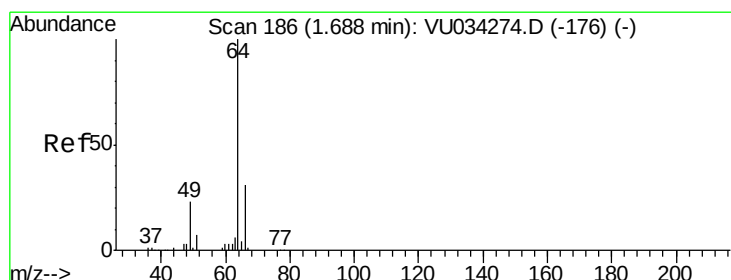
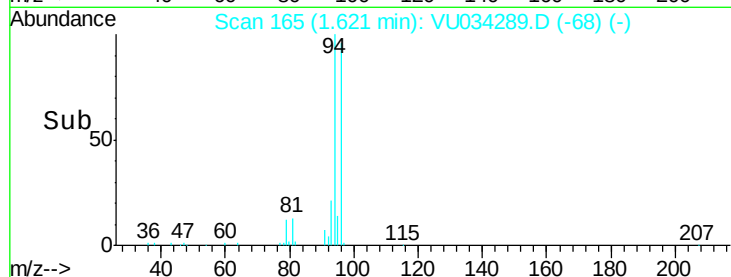
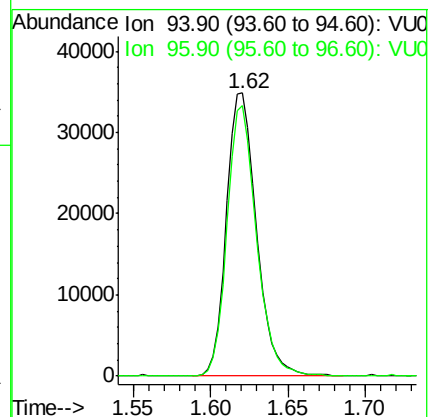
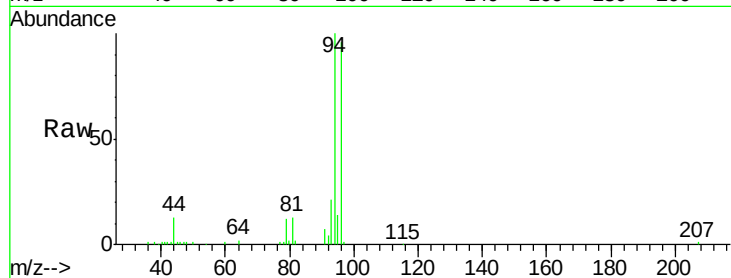
96 95.8 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 19.363 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034289.D

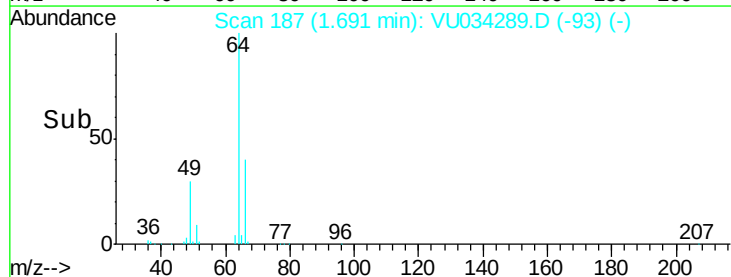
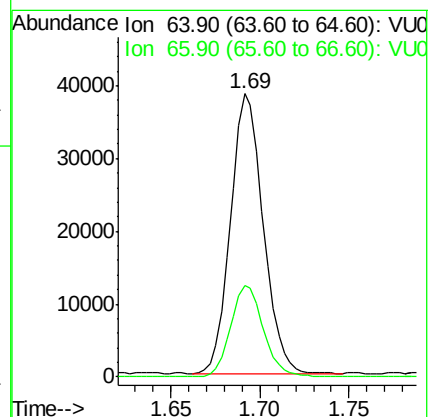
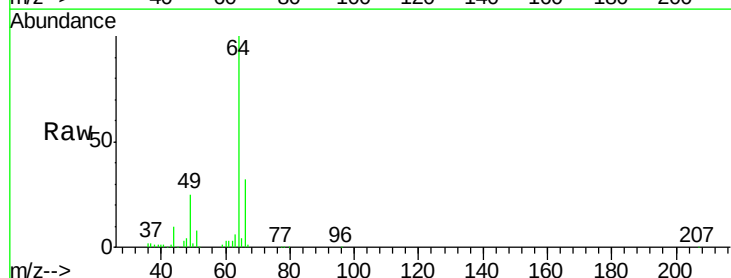
Acq: 05 Sep 2019 17:28

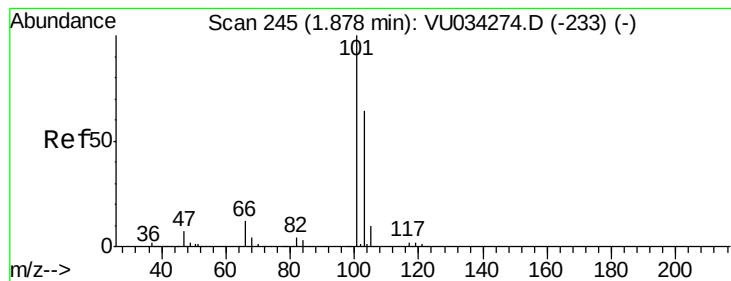
Tgt Ion: 64 Resp: 48788

Ion Ratio Lower Upper

64 100

66 32.8 25.0 37.6





#7

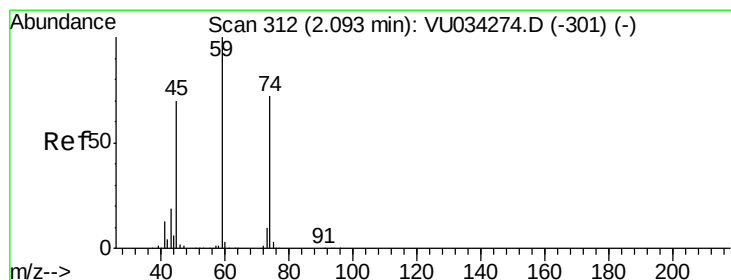
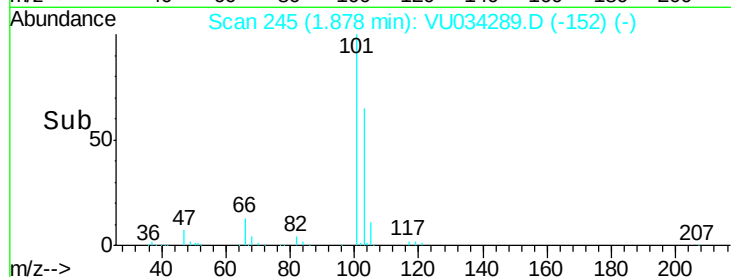
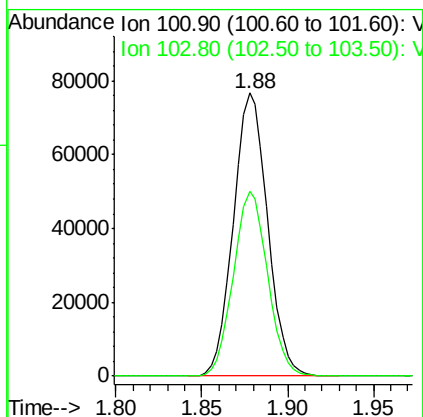
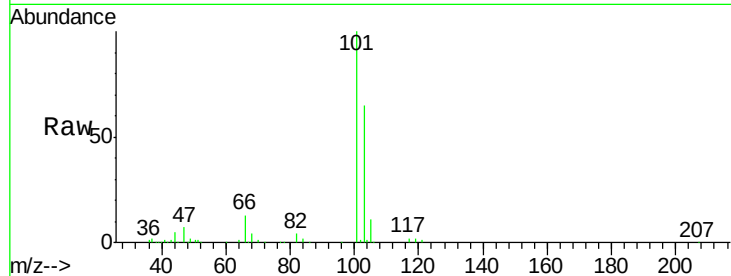
Trichlorofluoromethane
 Concen: 18.812 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Instrument :
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 ClientSampleId :
 VU0906WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.0	76.6

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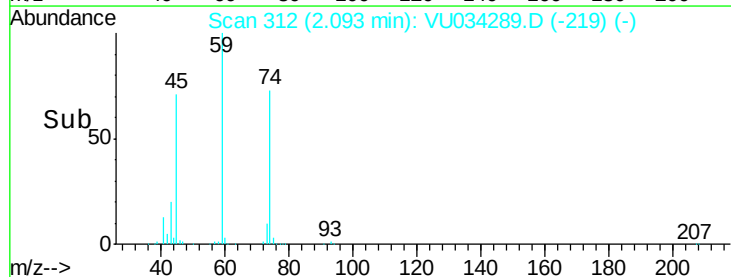
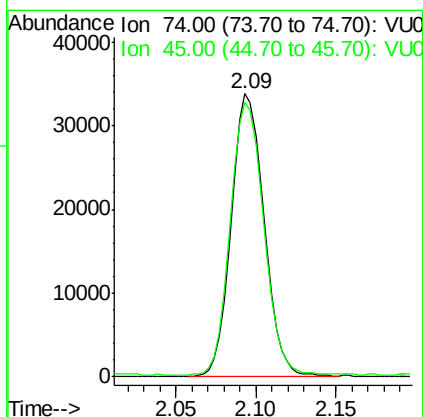
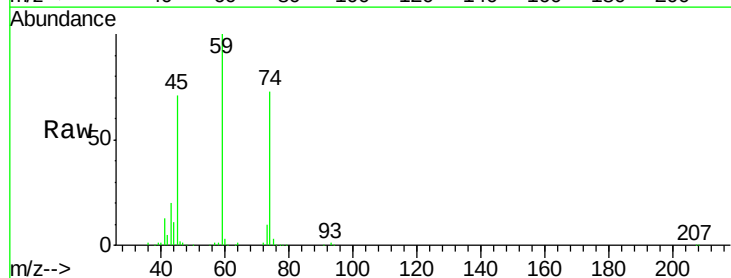
MMDadoda
 9/6/2019 3:22:12 PM

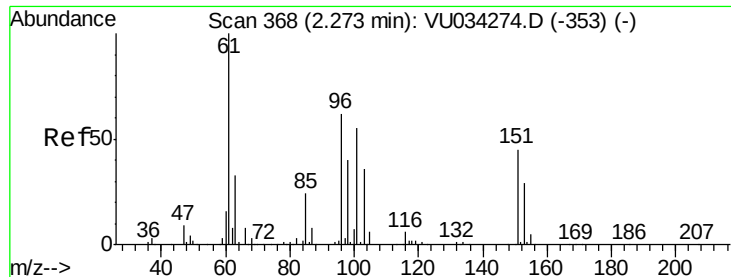


#8

Diethyl Ether
 Concen: 19.041 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.810 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

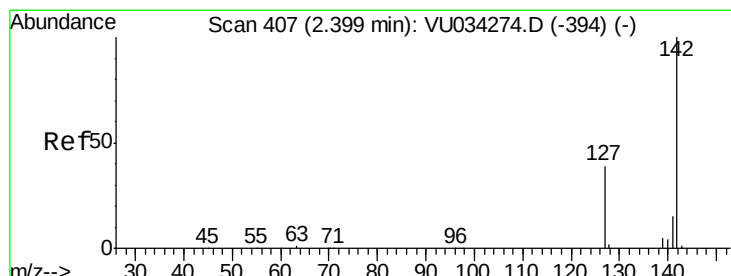
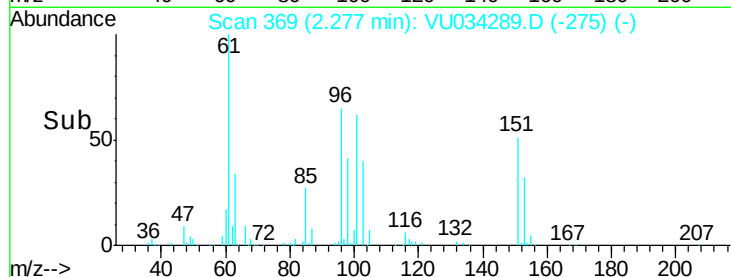
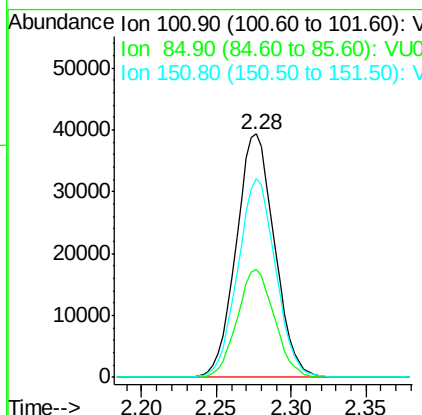
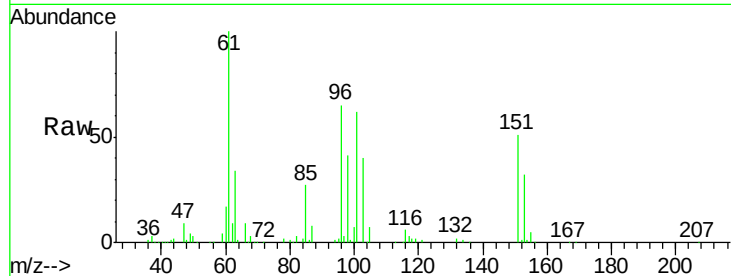
ClientSampleId :

VU0906WBS02

Tot Ion:	101	Resp:	70192
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.4	51.6
151	80.7	64.4	96.6

Manual Integrations
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MMDadoda
9/6/2019 3:22:12 PM



#10

Methyl Iodide

Concen: 14.240 ug/l

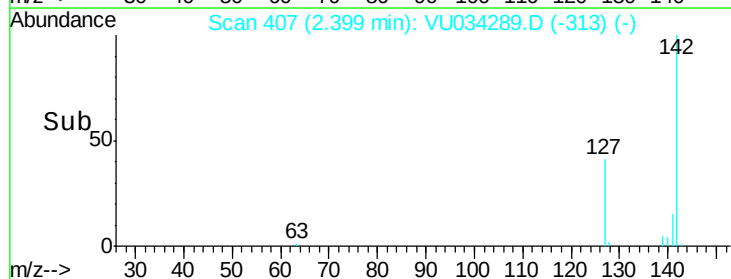
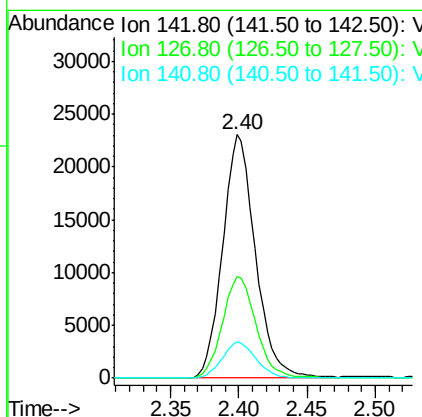
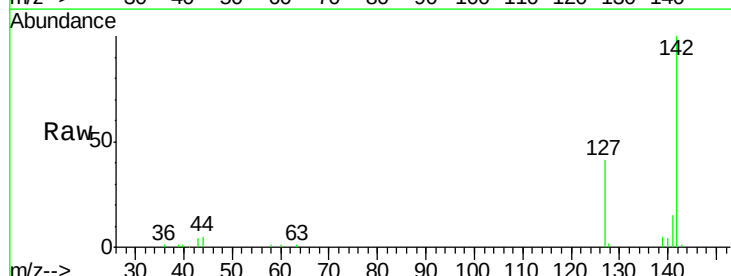
RT: 2.40 min Scan# 407

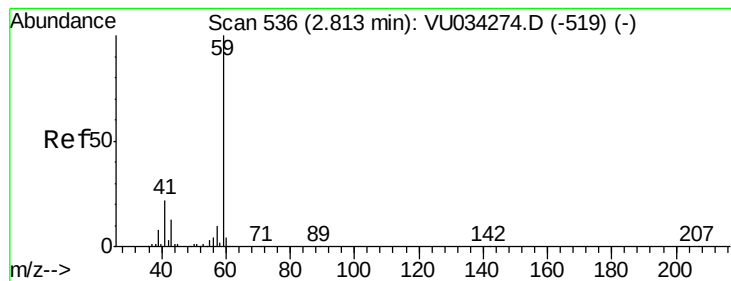
Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Tgt Ion:	142	Resp:	38442
Ion Ratio	Lower	Upper	
142	100		
127	42.5	32.1	48.1
141	15.1	11.5	17.3





#11

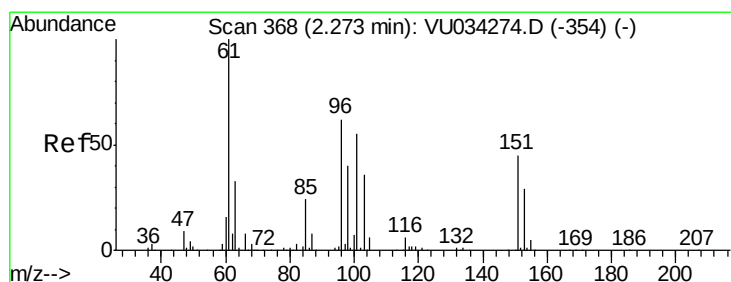
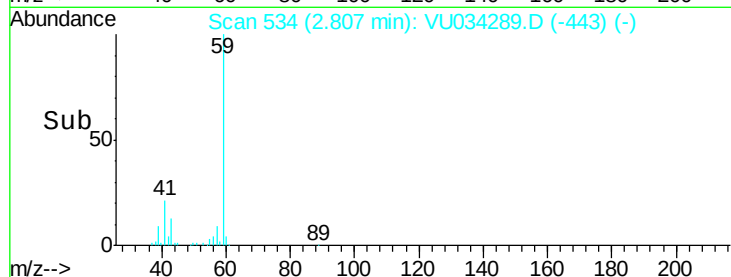
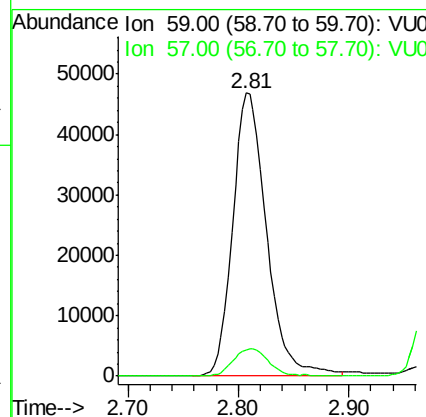
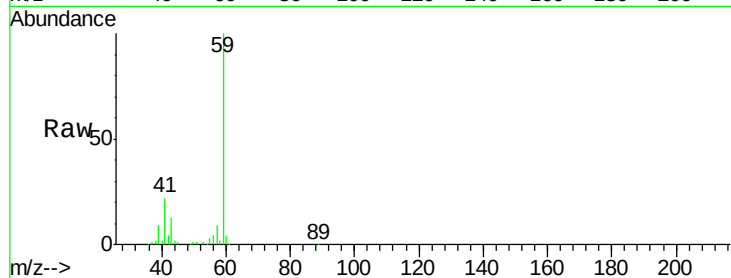
Tert butyl alcohol
 Concen: 96.685 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9

Manual Integrations
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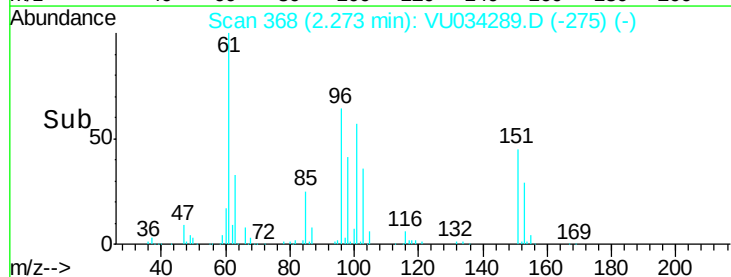
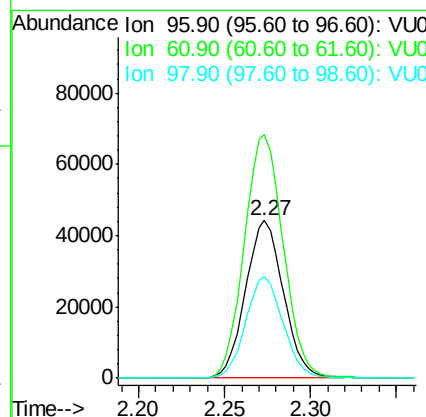
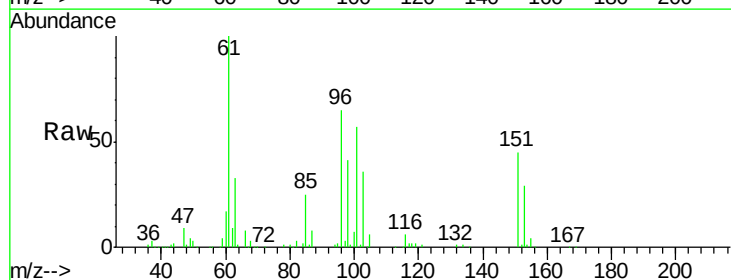
MMDadoda
 9/6/2019 3:22:12 PM

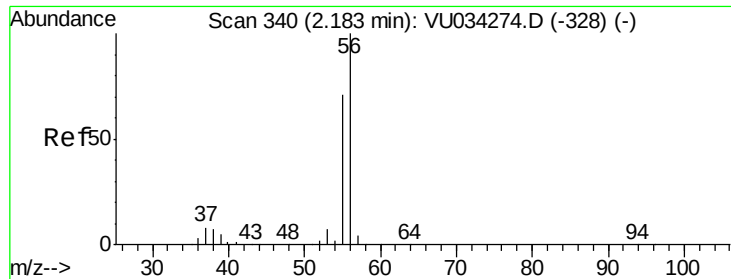


#12

1,1-Dichloroethene
 Concen: 19.247 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.7	130.0	195.0
98	64.1	52.2	78.4





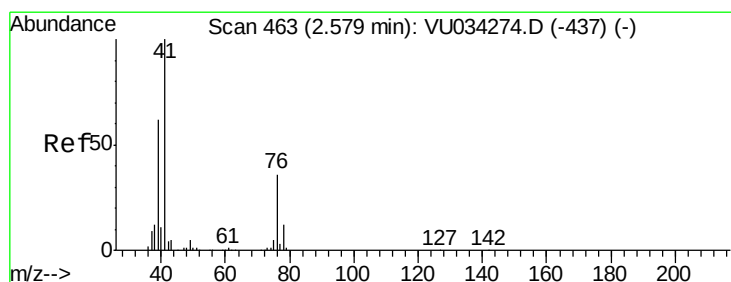
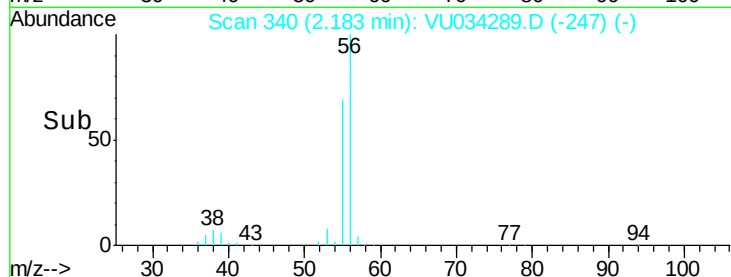
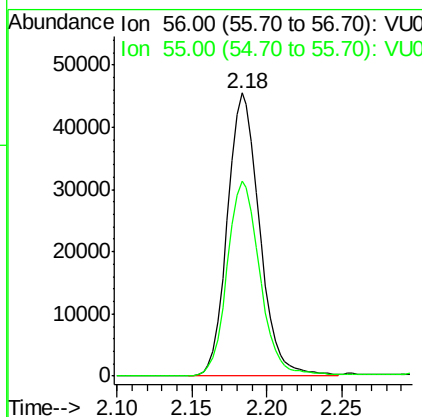
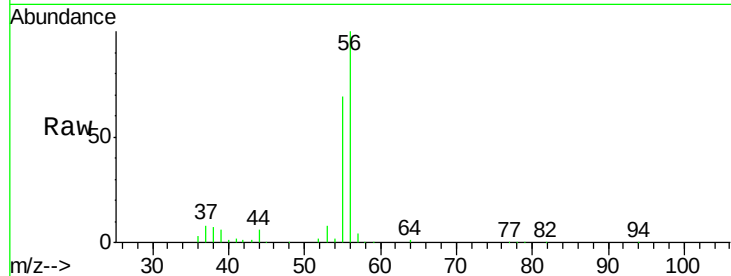
#13
Acrolein
Concen: 78.943 ug/l
RT: 2.18 min Scan# 340
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS02

Tot Ion	56	Resp	68381
Ion Ratio	100	Lower	Upper
55	70.3	57.4	86.2

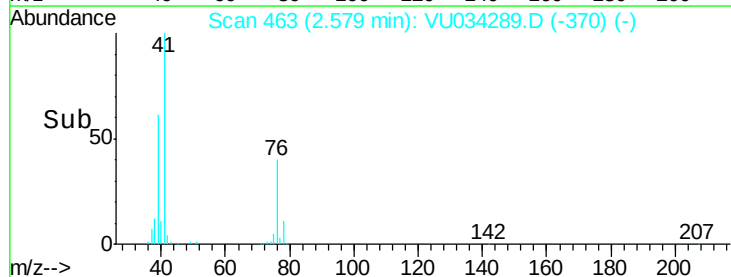
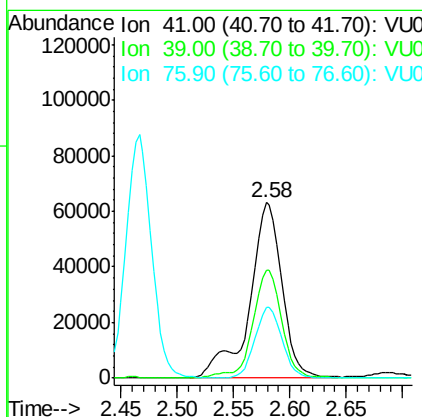
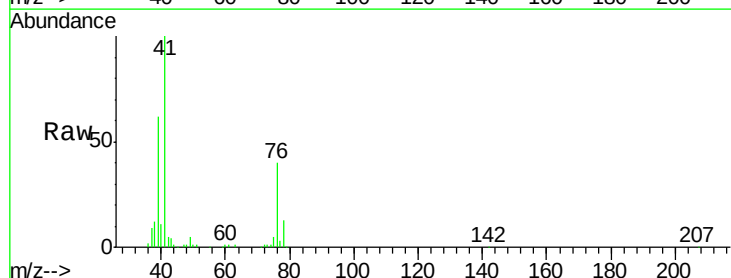
Manual Integrations
APPROVED

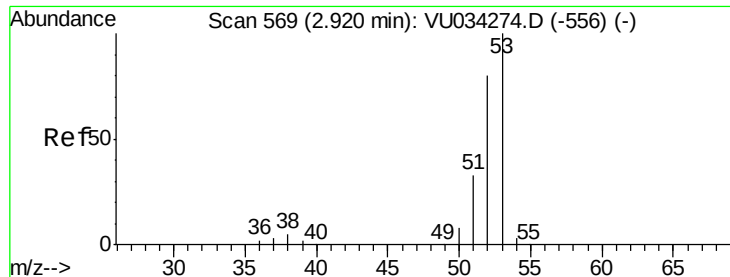
MMDadoda
9/6/2019 3:22:12 PM



#14
Allyl chloride
Concen: 18.880 ug/l m
RT: 2.58 min Scan# 463
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Tgt Ion	41	Resp	126615
Ion Ratio	100	Lower	Upper
39	55.0	43.5	65.3
76	33.1	27.0	40.6





#15

Acrylonitrile

Concen: 100.931 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

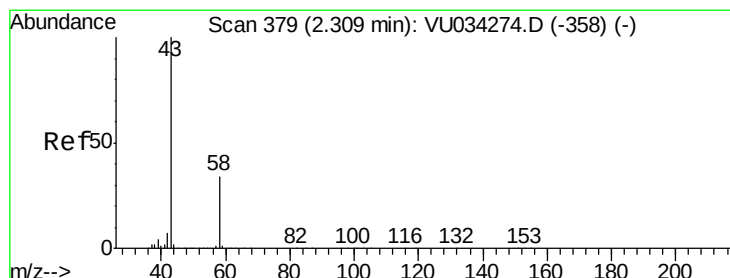
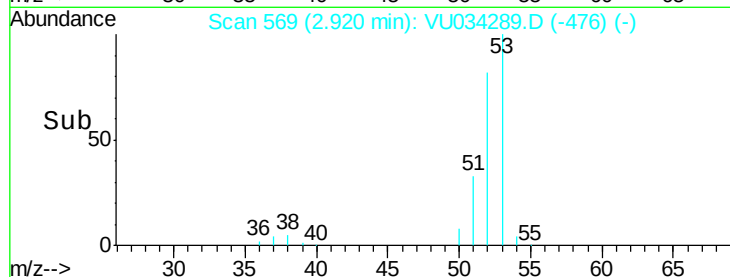
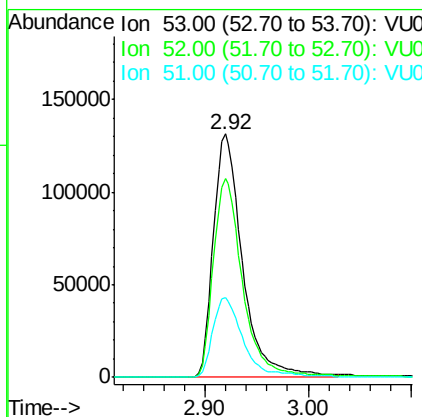
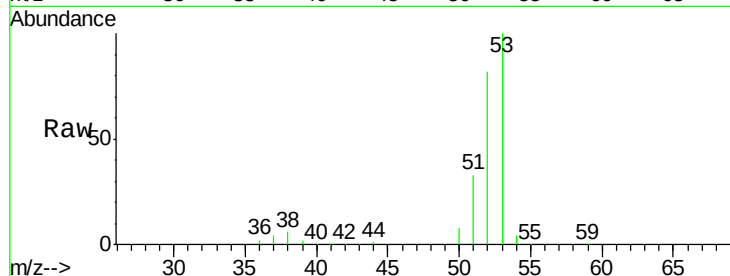
ClientSampleId :

VU0906WBS02

Tot Ion:	53	Resp:	259031
Ion	Ratio	Lower	Upper
53	100		
52	82.3	64.1	96.1
51	34.7	27.4	41.0

Manual Integrations
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MMDadoda
9/6/2019 3:22:12 PM



#16

Acetone

Concen: 88.032 ug/l

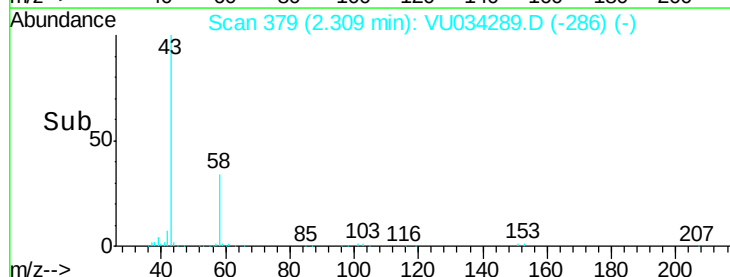
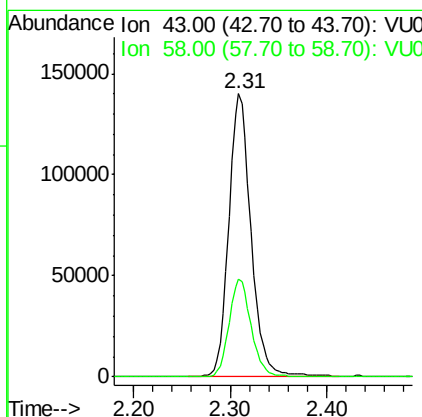
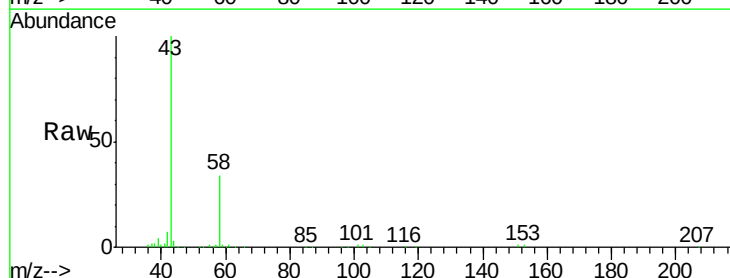
RT: 2.31 min Scan# 379

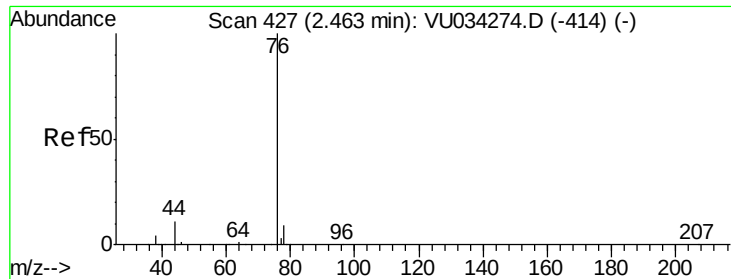
Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Tgt Ion:	43	Resp:	222233
Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.6	41.4





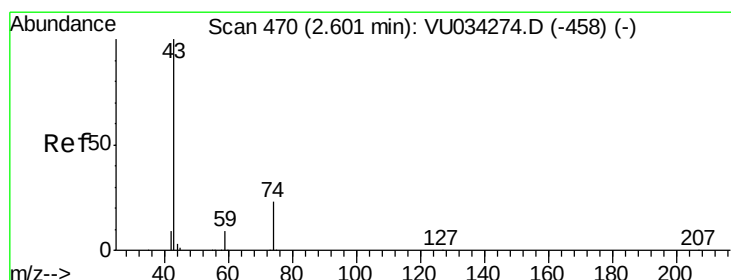
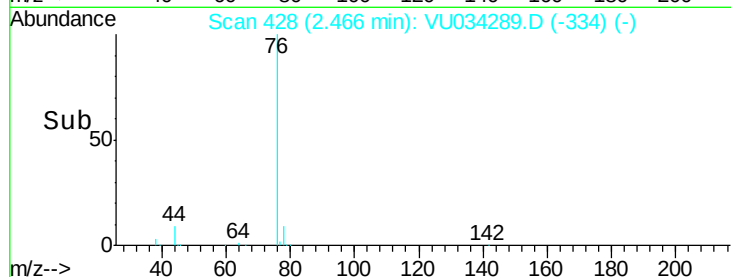
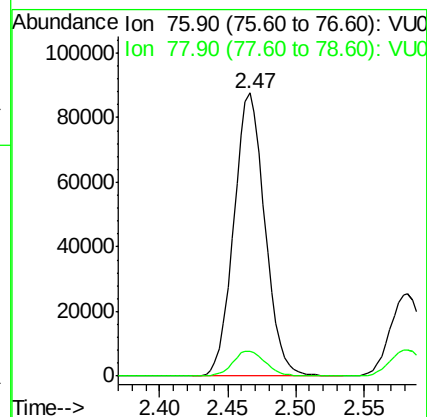
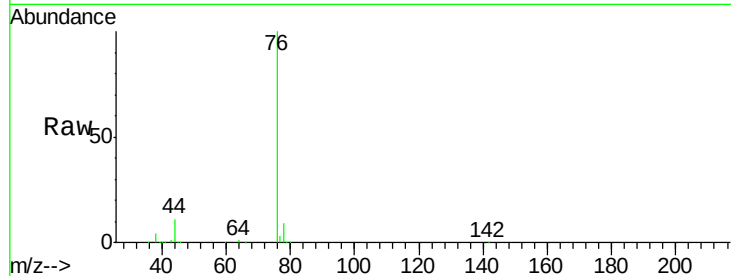
#17
Carbon Disulfide
Concen: 17.603 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

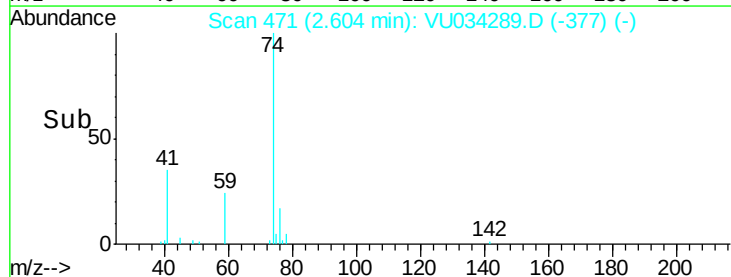
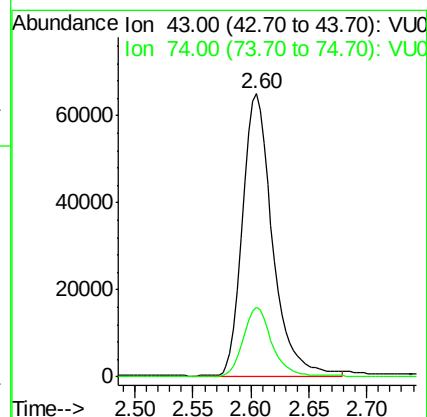
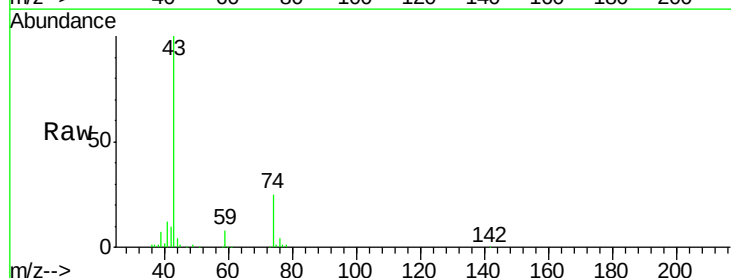
Manual Integrations
APPROVED

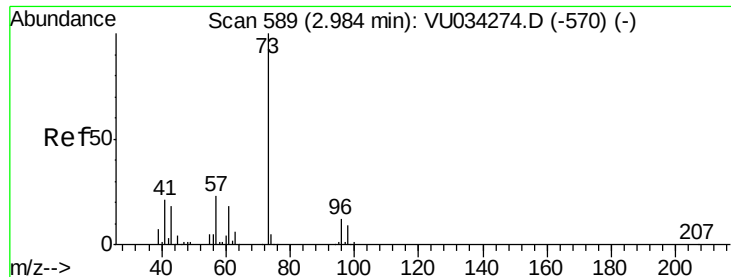
MMDadoda
9/6/2019 3:22:12 PM



#18
Methyl Acetate
Concen: 18.905 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.9	28.3





#19

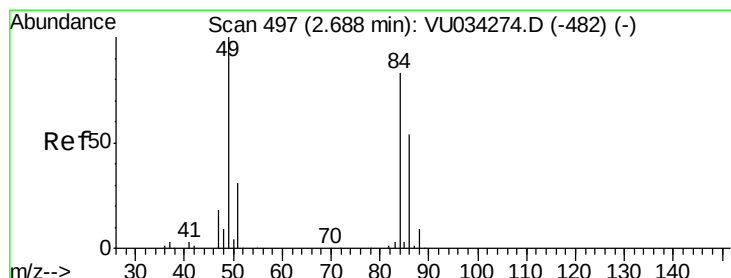
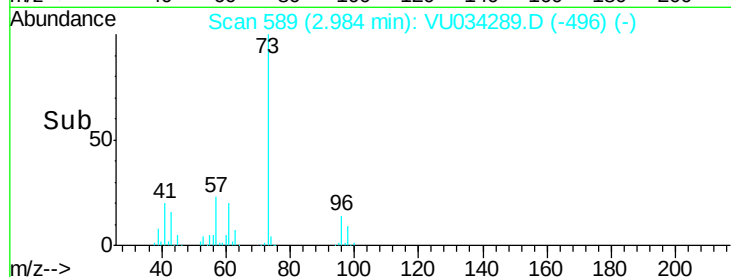
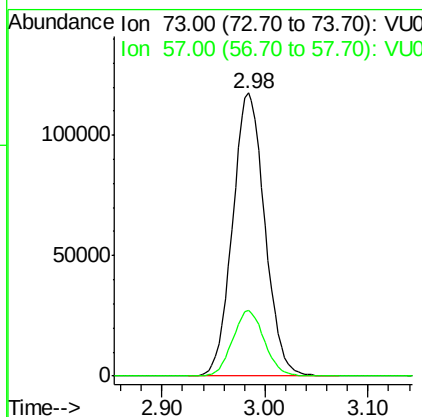
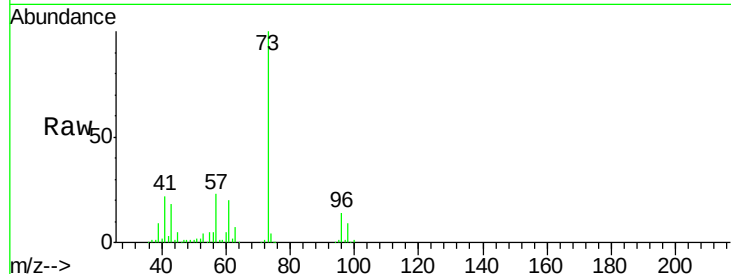
Methyl tert-butyl Ether
 Concen: 20.012 ug/l
 RT: 2.98 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.2	27.4

Manual Integrations
 APPROVED

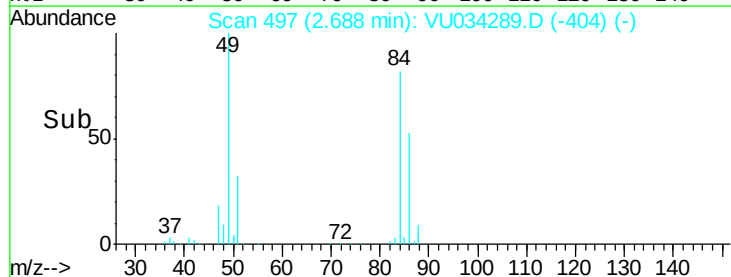
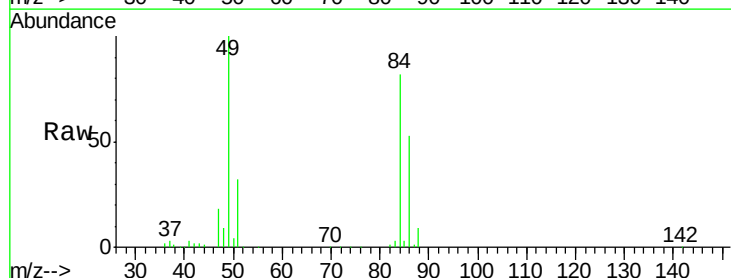
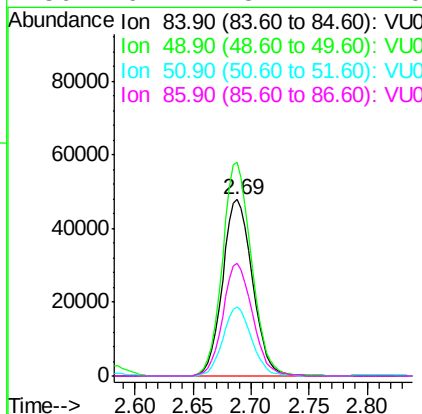
MMDadoda
 9/6/2019 3:22:12 PM

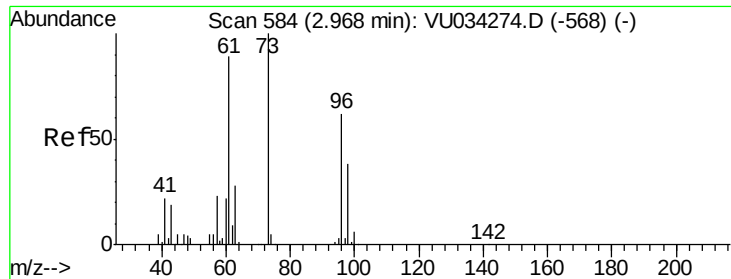


#20

Methylene Chloride
 Concen: 20.548 ug/l
 RT: 2.69 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.3	96.0	144.0
51	39.2	30.0	45.0
86	64.2	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 18.998 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

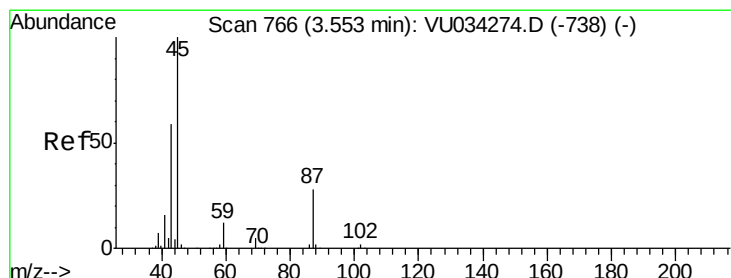
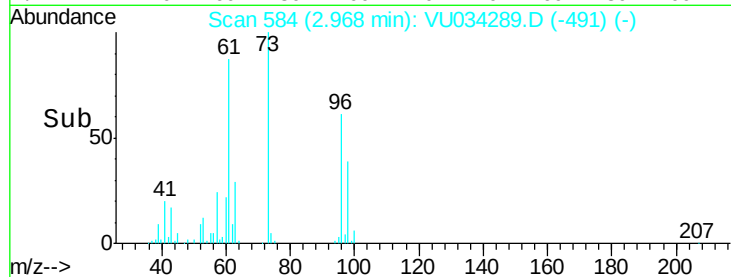
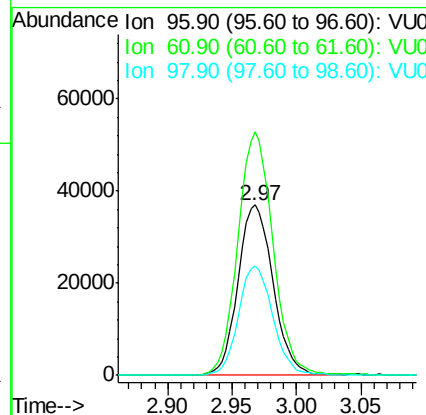
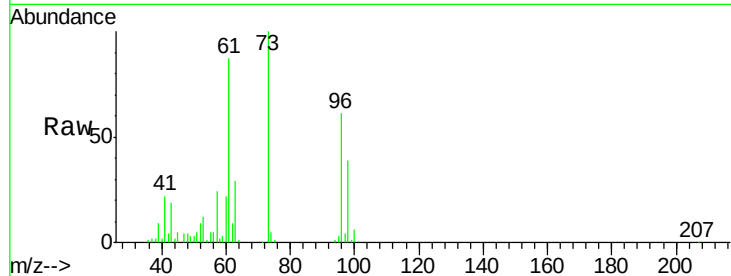
ClientSampleId :

VU0906WBS02

Tot Ion:	96	Resp:	70227
Ion	Ratio	Lower	Upper
96	100		
61	143.2	114.8	172.2
98	63.9	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.319 ug/l

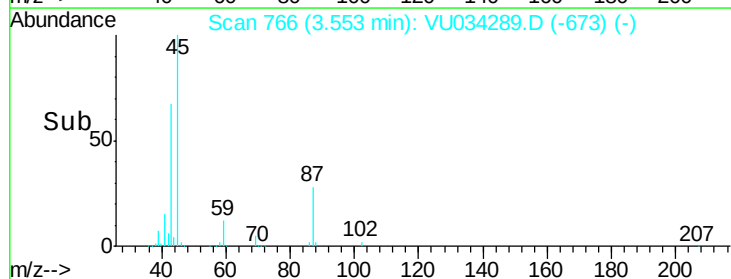
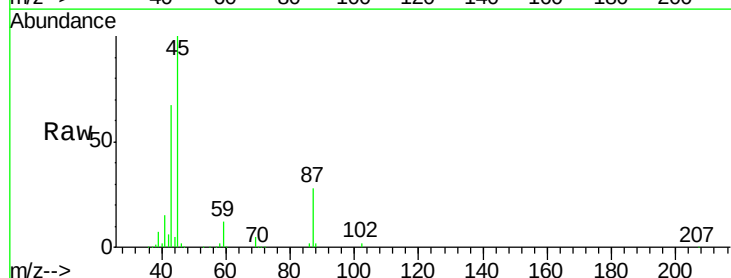
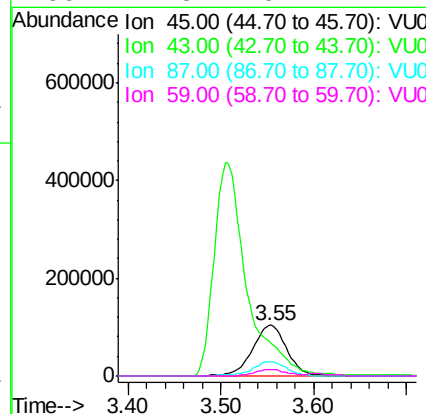
RT: 3.55 min Scan# 766

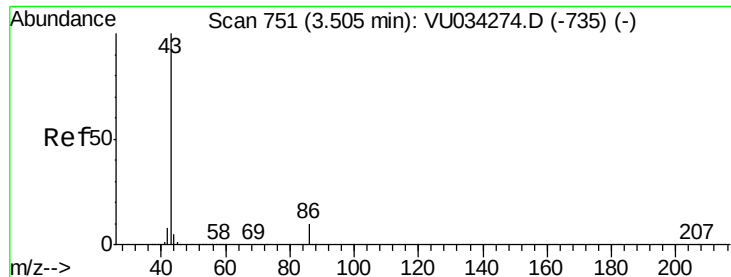
Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Tgt Ion:	45	Resp:	265744
Ion	Ratio	Lower	Upper
45	100		
43	66.2	47.5	71.3
87	28.3	22.2	33.4
59	12.3	9.4	14.2





#23

Vinyl Acetate

Concen: 101.426 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS02

Tot Ion: 43 Resp: 1080512

Ion Ratio Lower Upper

43 100

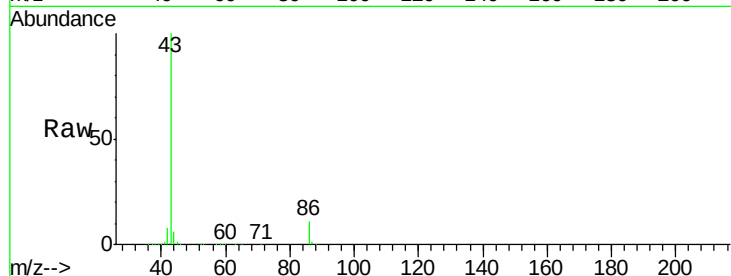
86 10.6 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU034289.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034289.D (-658) (-)

3.50

400000

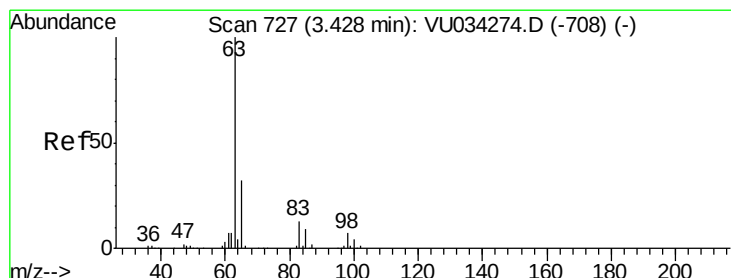
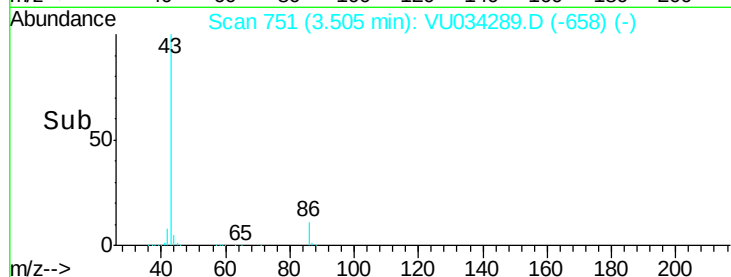
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.010 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

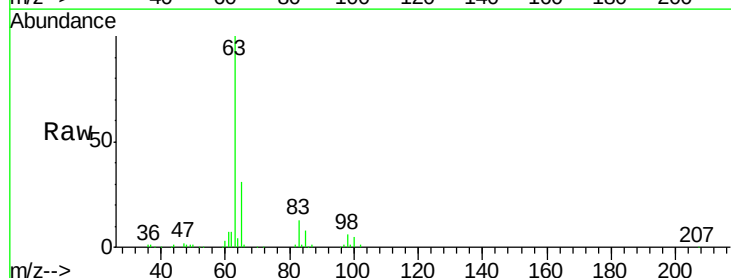
Tgt Ion: 63 Resp: 148472

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 4.6 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034289.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034289.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034289.D (-634) (-)

3.43

80000

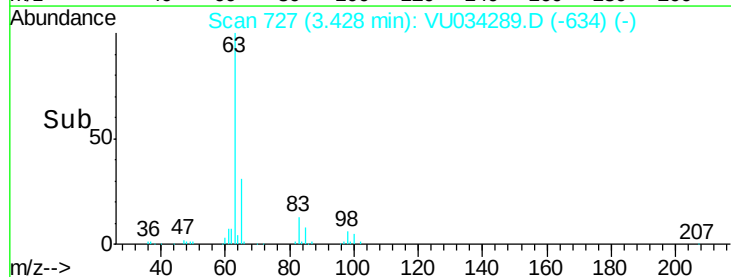
60000

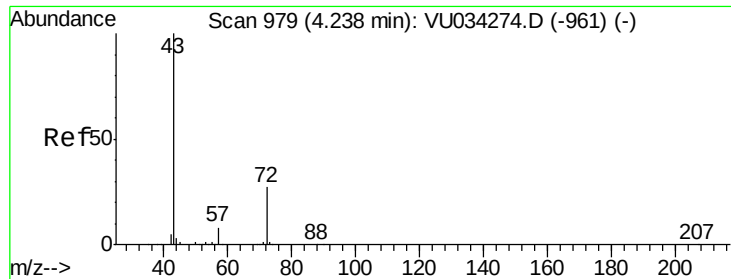
40000

20000

0

Time-->





#25

2-Butanone

Concen: 100.526 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS02

Tot Ion: 43 Resp: 338754

Ion Ratio Lower Upper

43 100

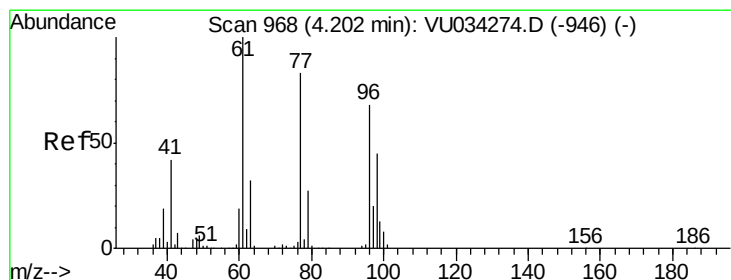
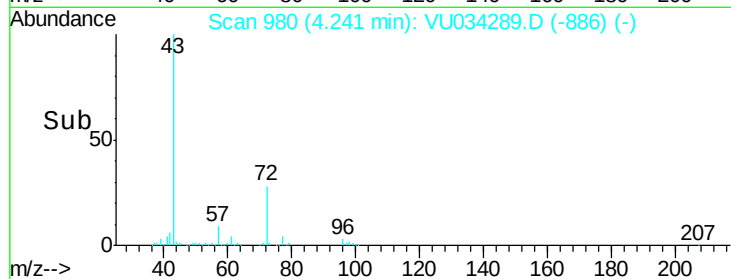
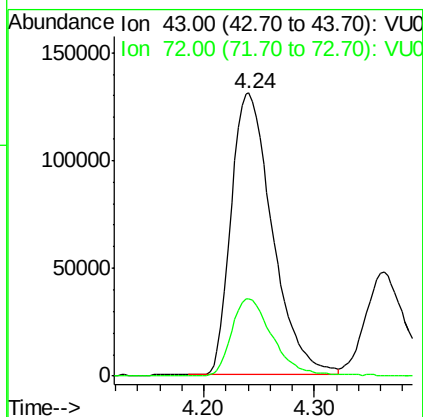
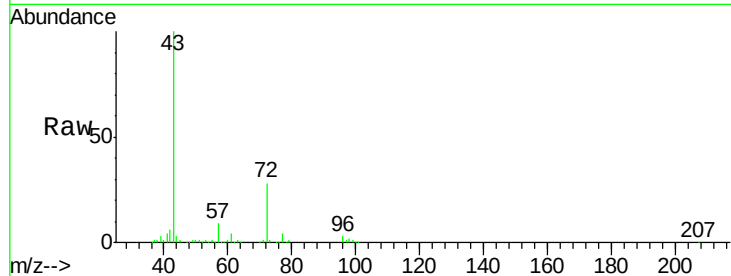
72 27.5 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

9/6/2019 3:22:12 PM



#26

2,2-Dichloropropane

Concen: 18.835 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034289.D

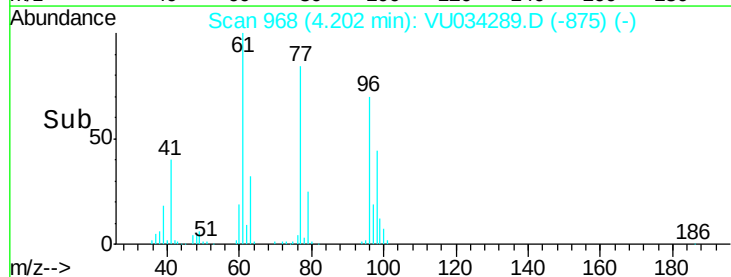
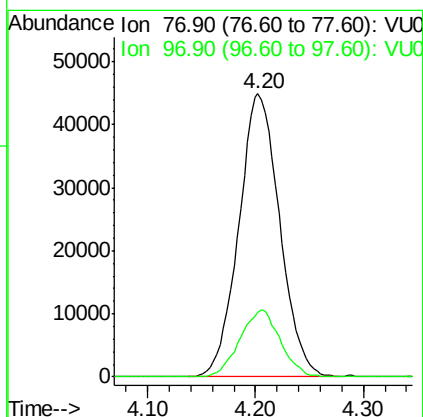
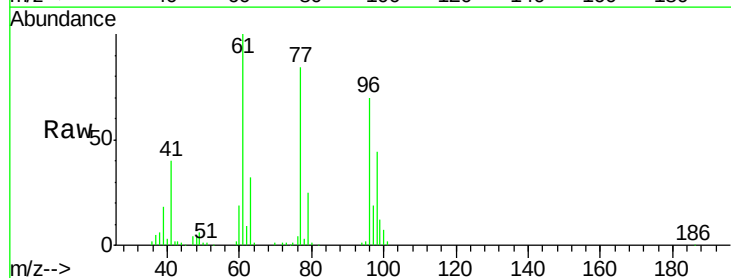
Acq: 05 Sep 2019 17:28

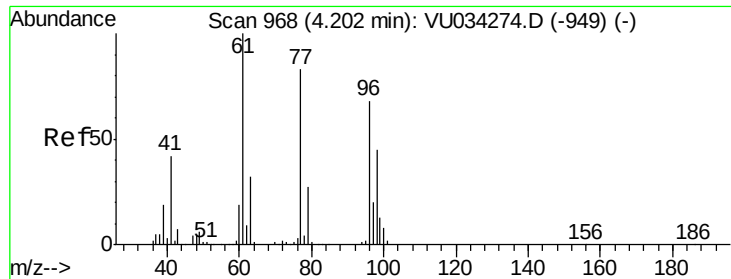
Tgt Ion: 77 Resp: 118313

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.892 ug/l

RT: 4.21 min Scan# 969

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

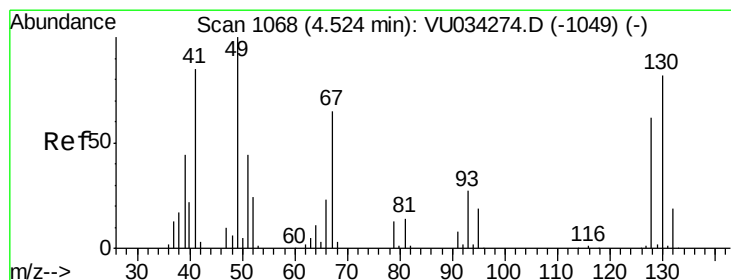
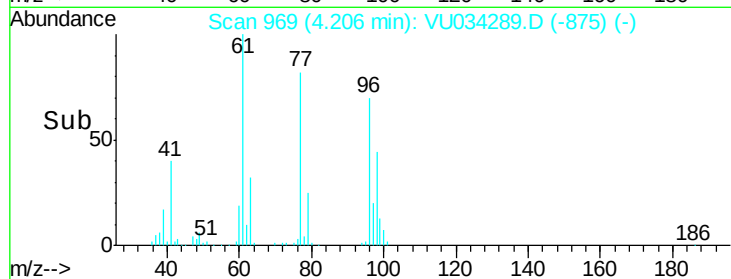
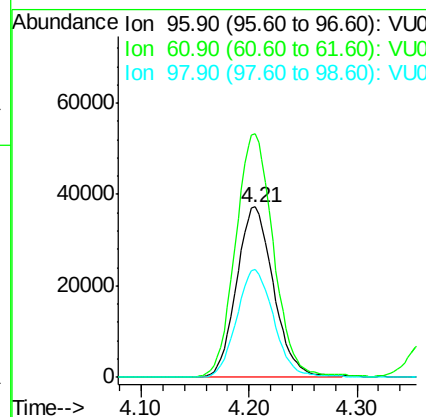
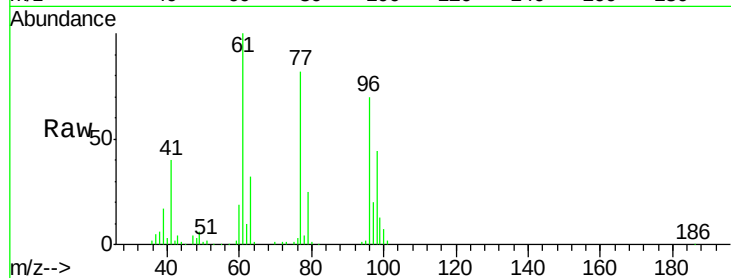
Instrument :
MSVOA_U

ClientSampleId :
VU0906WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.7	0.0	297.4	
98	63.3	0.0	130.0	

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#28

Bromochloromethane

Concen: 19.139 ug/l

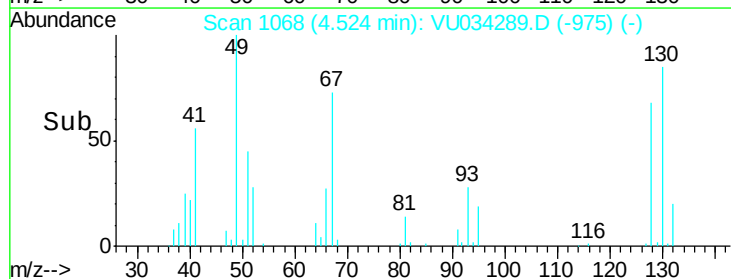
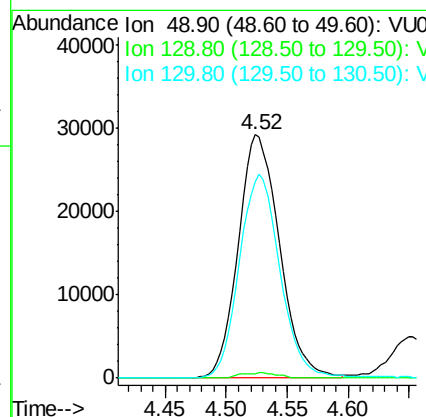
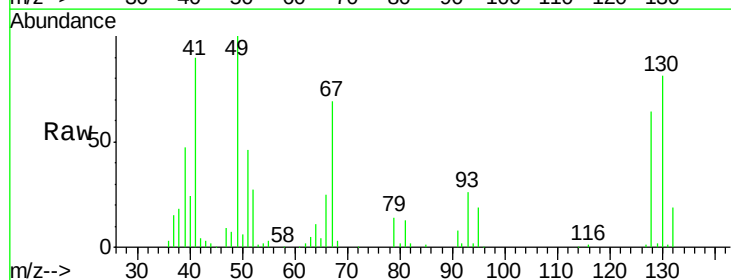
RT: 4.52 min Scan# 1068

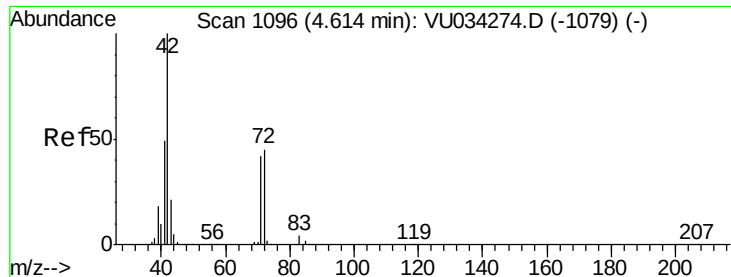
Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.8	
130	82.1	65.2	97.8	





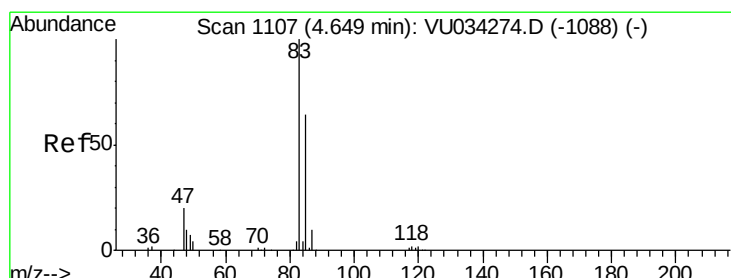
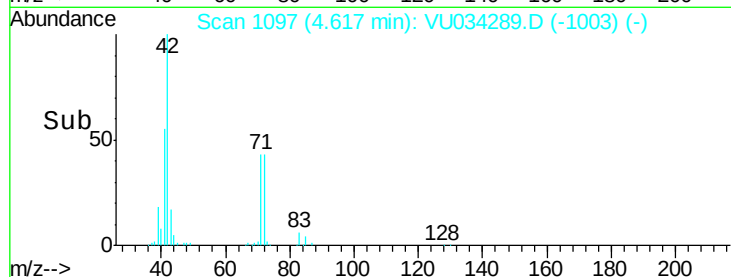
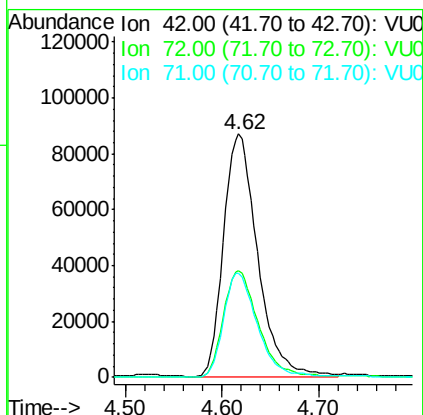
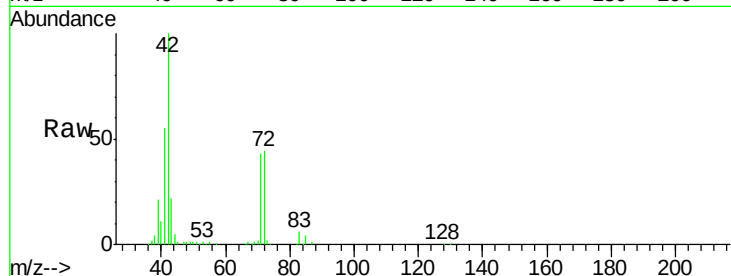
#29
Tetrahydrofuran
Concen: 103.547 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.6	54.8
71	42.5	34.3	51.5

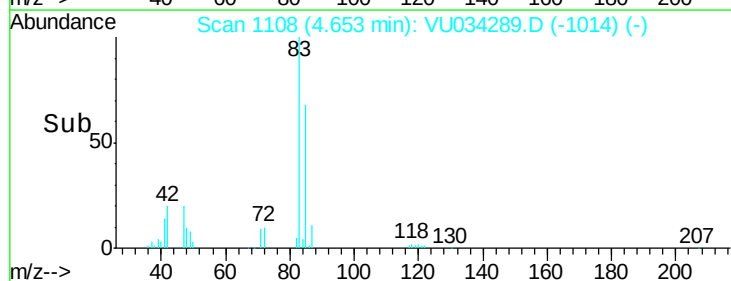
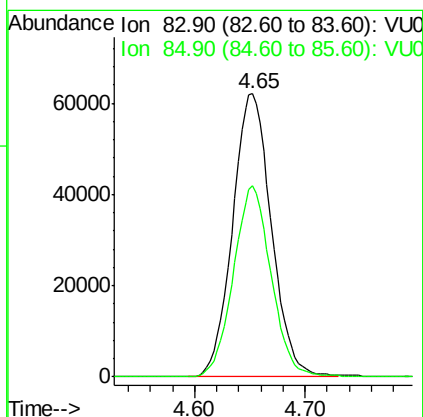
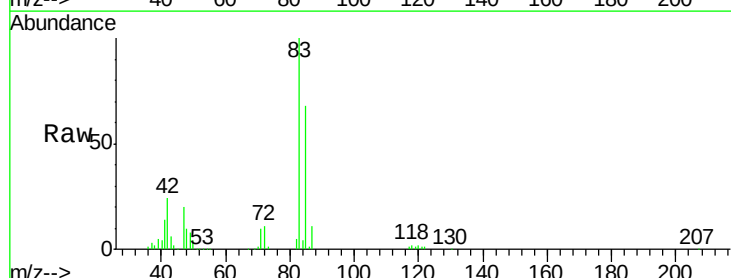
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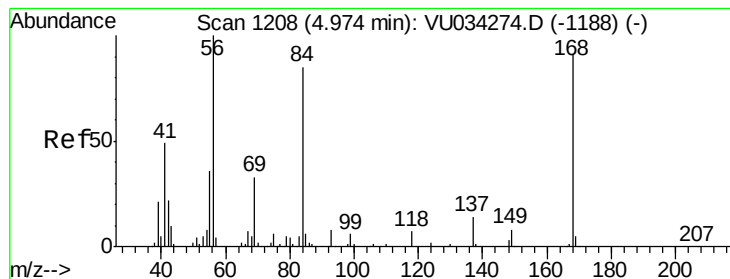
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#30
Chloroform
Concen: 19.037 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.5	77.3





#31

Cyclohexane

Concen: 19.401 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

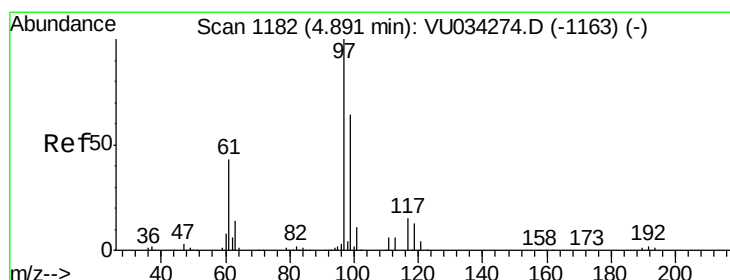
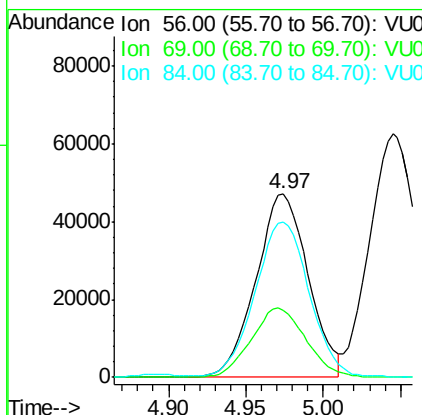
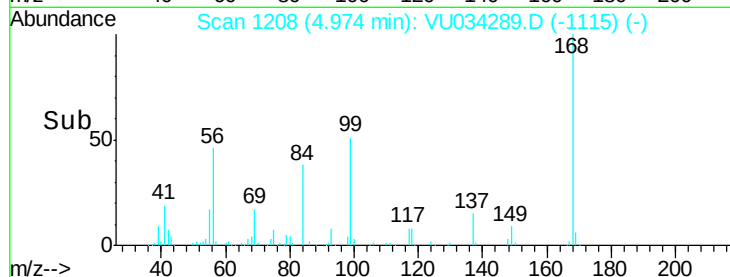
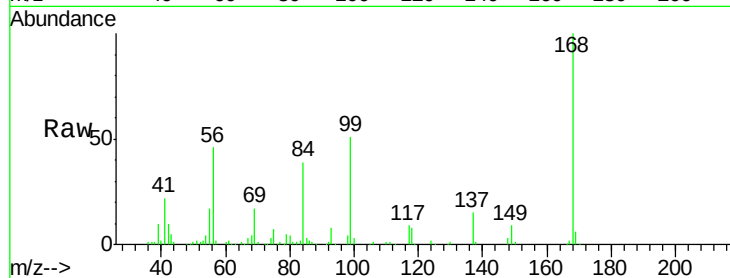
ClientSampleId :

VU0906WBS02

Tot Ion:	56	Resp:	110855
Ion Ratio	Lower	Upper	
56	100		
69	36.7	26.7	40.1
84	84.0	68.2	102.4

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#32

1,1,1-Trichloroethane

Concen: 19.315 ug/l

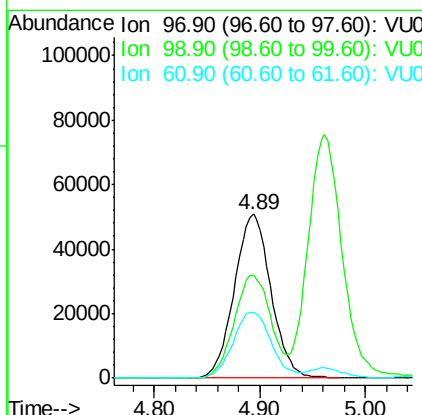
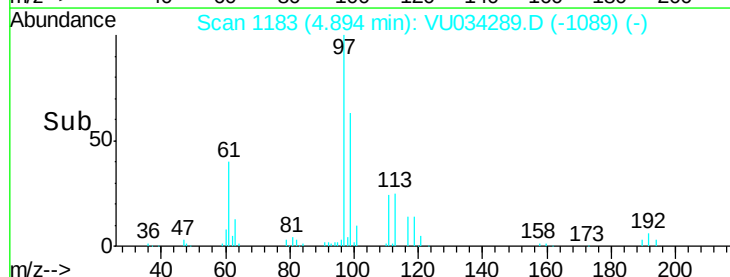
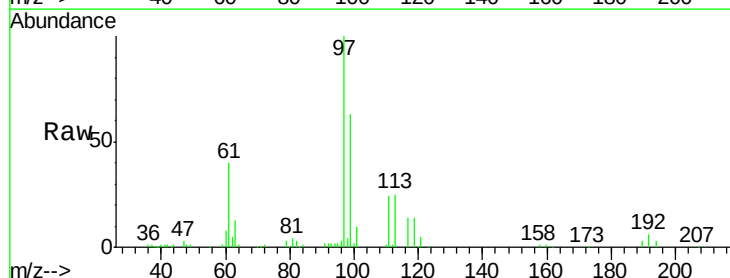
RT: 4.89 min Scan# 1183

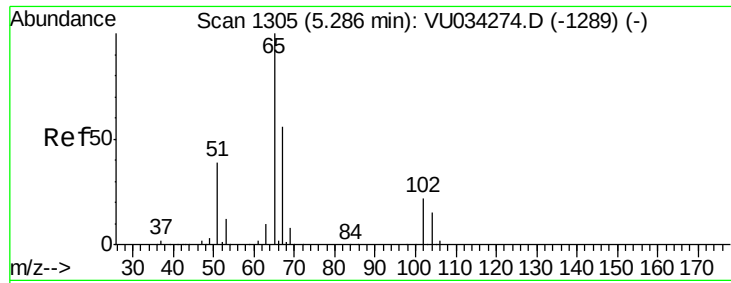
Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Tgt Ion:	97	Resp:	122597
Ion Ratio	Lower	Upper	
97	100		
99	63.3	50.9	76.3
61	41.9	34.7	52.1





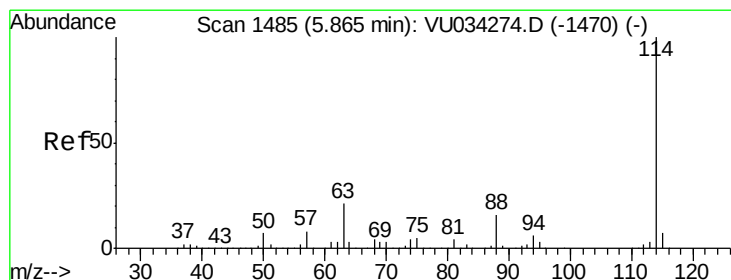
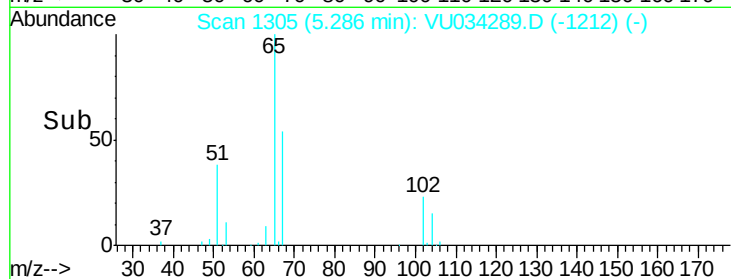
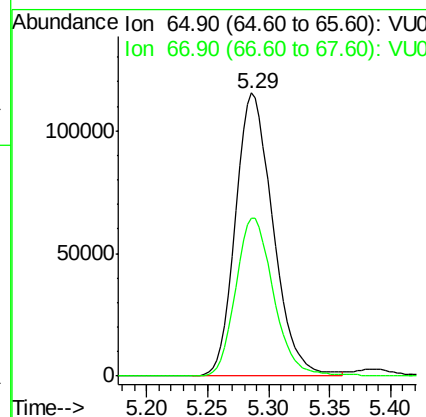
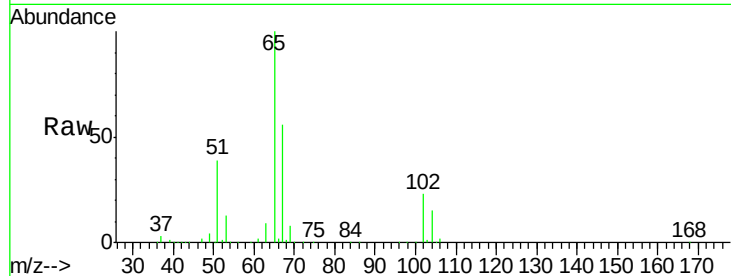
#33
 1,2-Dichloroethane-d4
 Concen: 50.666 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	247161		
67	56.2	0.0	112.4	

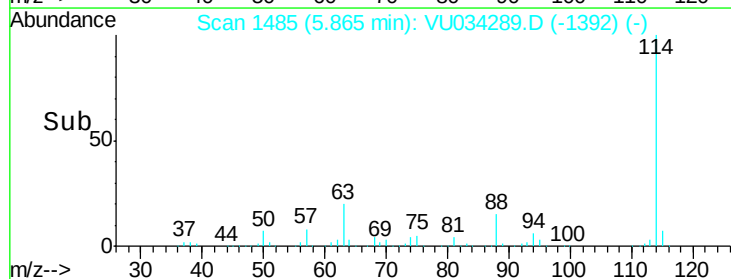
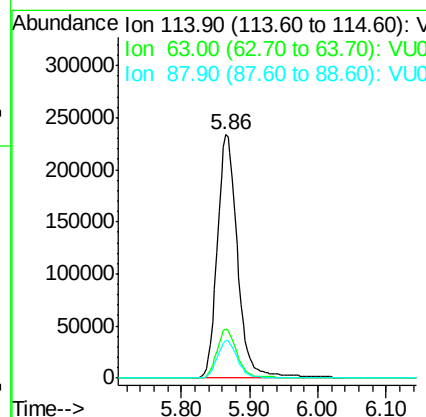
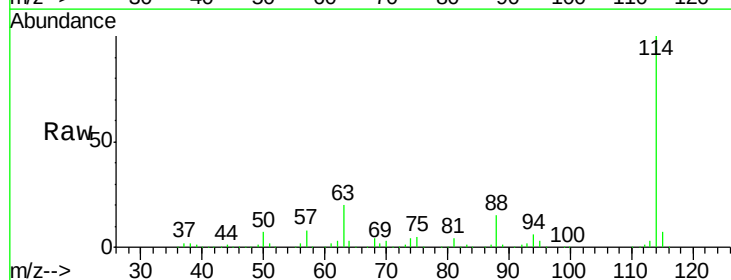
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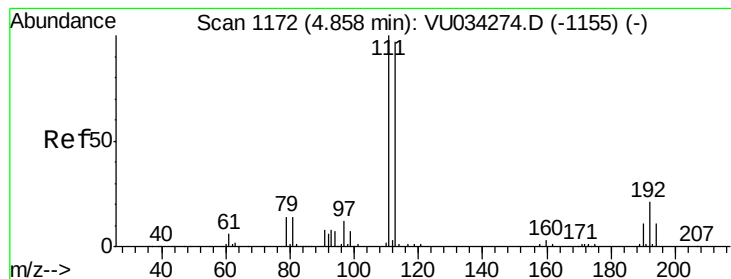
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	482411		
63	20.3	0.0	42.4	
88	15.4	0.0	32.4	





#35

Dibromofluoromethane

Concen: 47.738 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

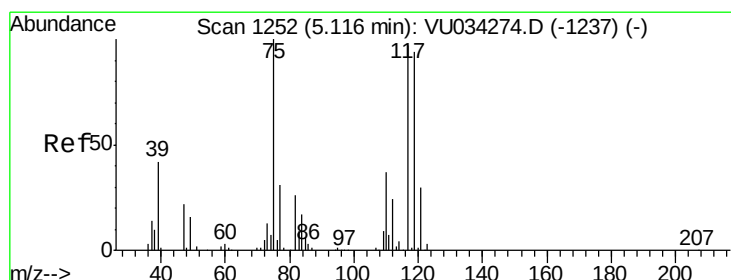
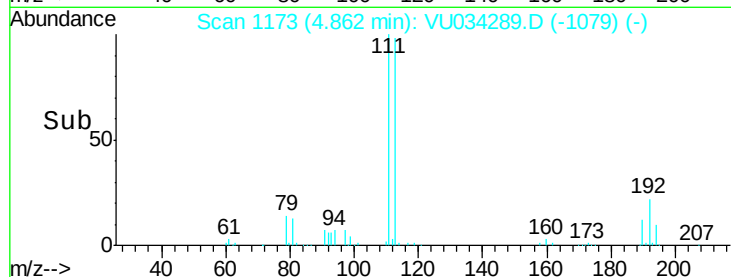
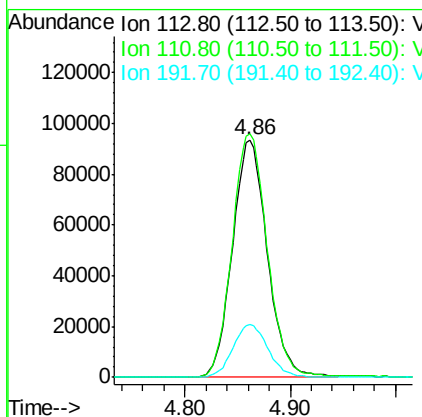
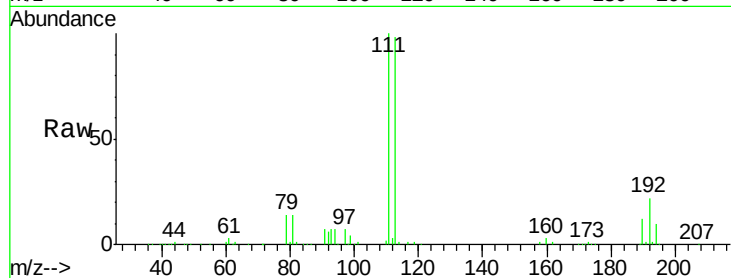
ClientSampleId :

VU0906WBS02

Tot Ion:	113	Resp:	214289
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.5	122.3
192	22.4	17.8	26.8

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#36

1,1-Dichloropropene

Concen: 18.642 ug/l

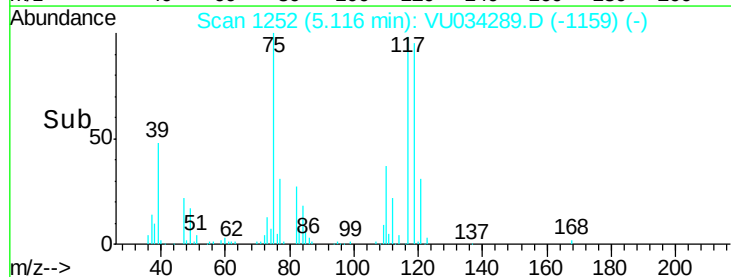
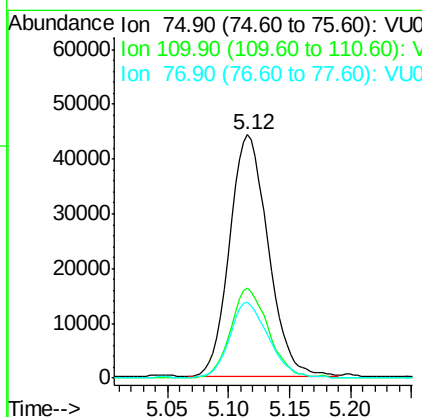
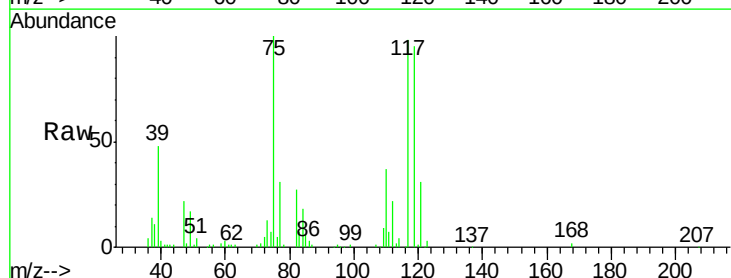
RT: 5.12 min Scan# 1252

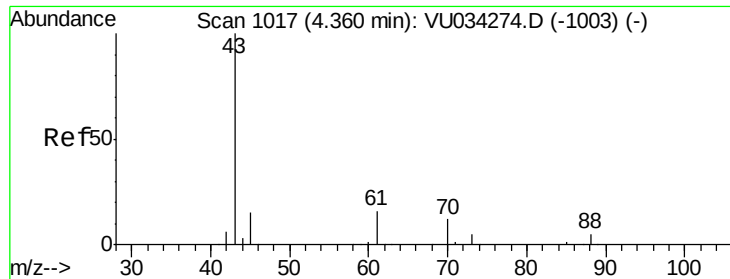
Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Tgt Ion:	75	Resp:	97529
Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.3	54.9
77	31.9	24.9	37.3





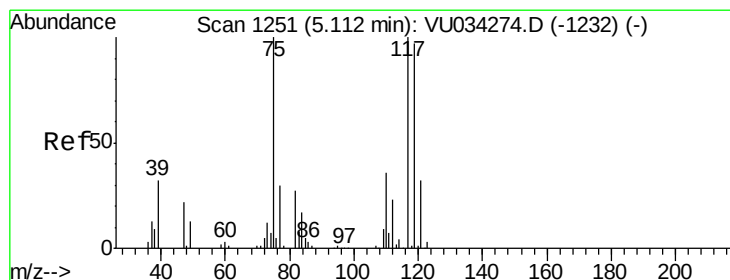
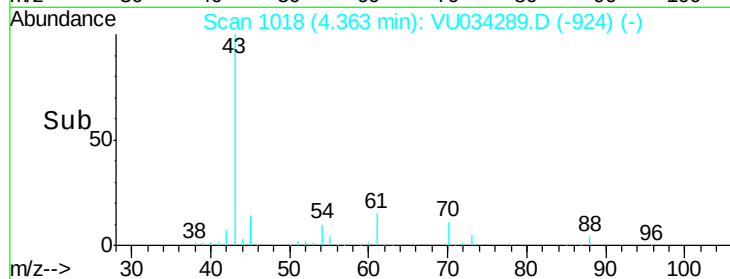
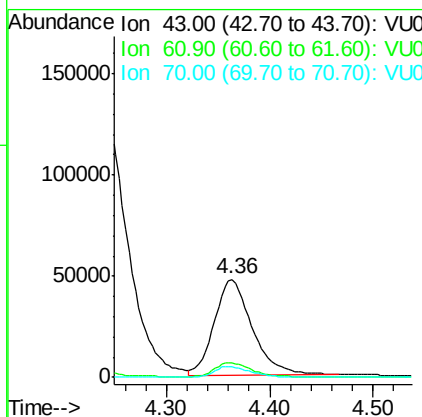
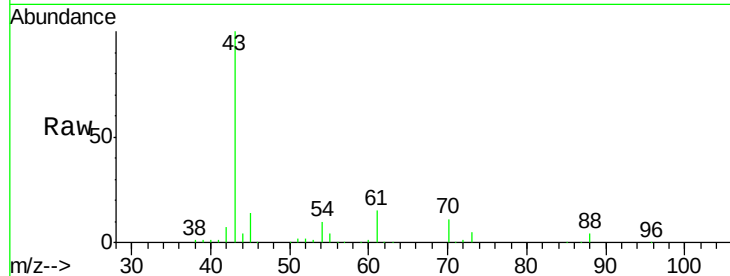
#37
Ethyl Acetate
Concen: 19.452 ug/l
RT: 4.36 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.3	18.5
70	11.1	9.1	13.7

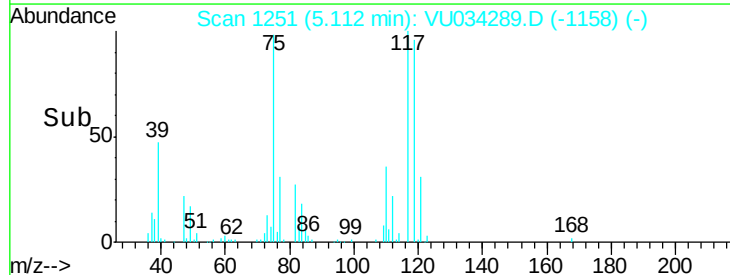
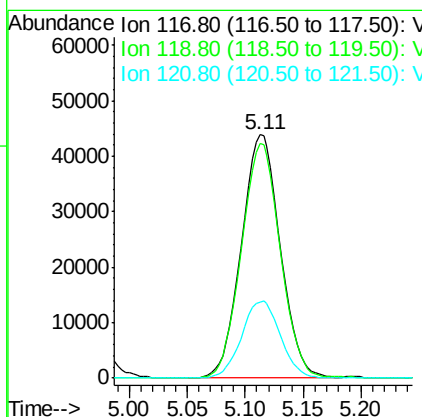
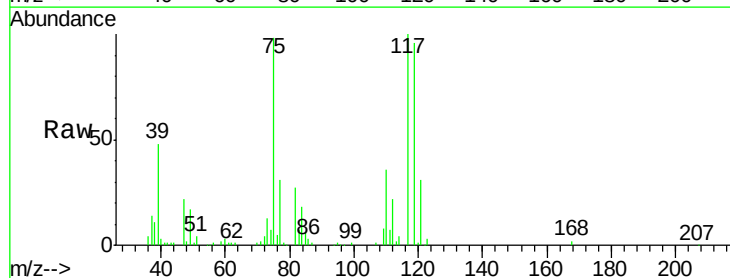
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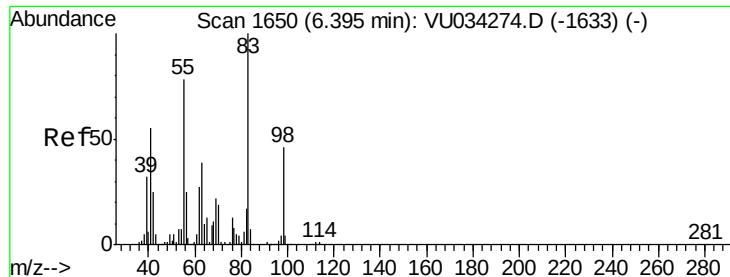
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#38
Carbon Tetrachloride
Concen: 18.182 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.8	116.6
121	31.5	25.2	37.8





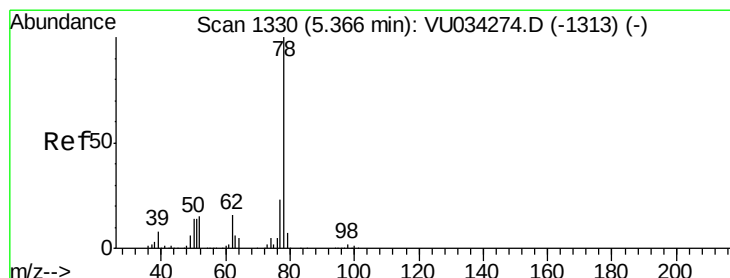
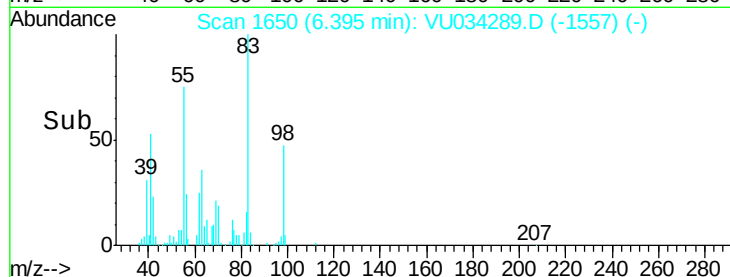
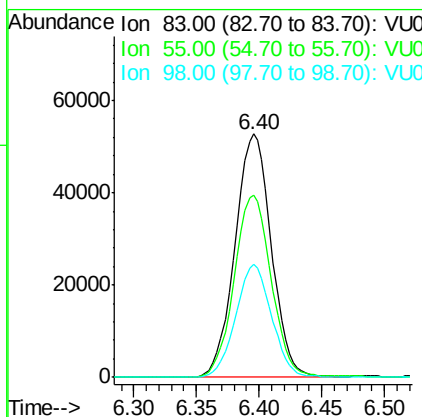
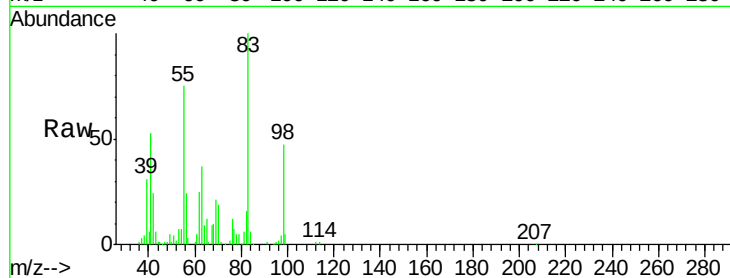
#39
Methylvlcyclohexane
Concen: 19.039 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	62.1	93.1
98	46.5	37.0	55.6

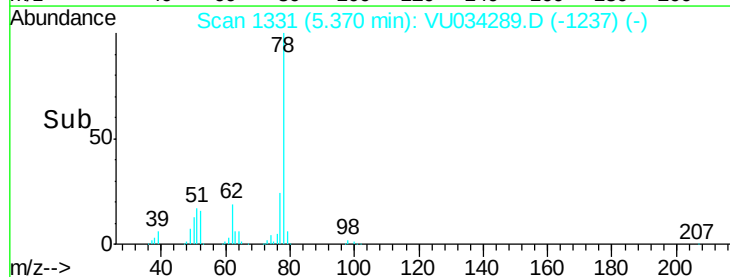
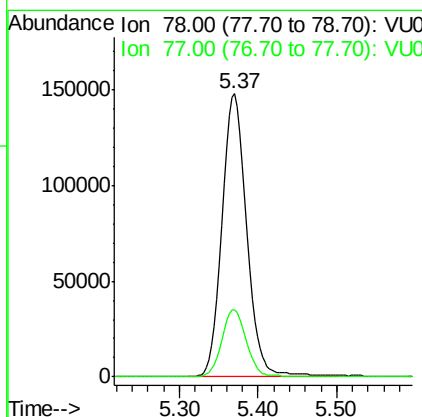
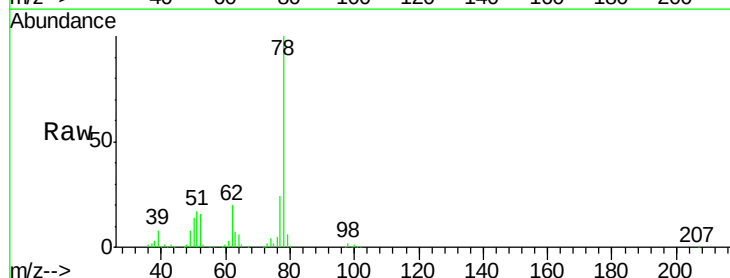
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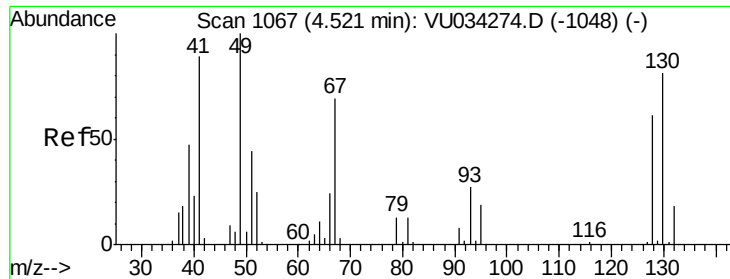
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#40
Benzene
Concen: 19.018 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





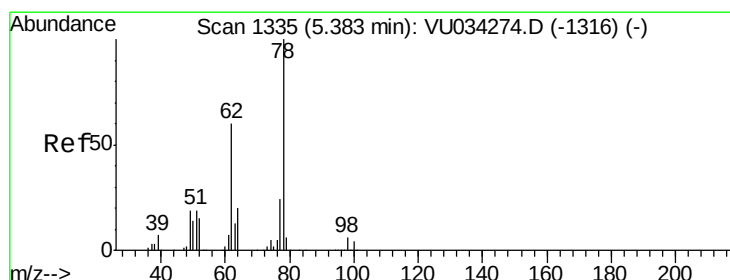
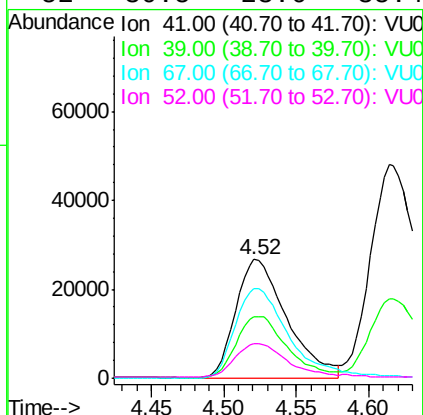
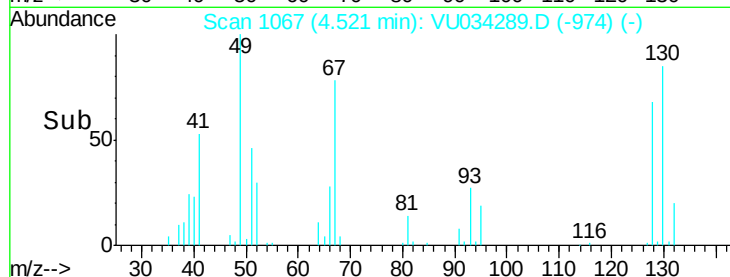
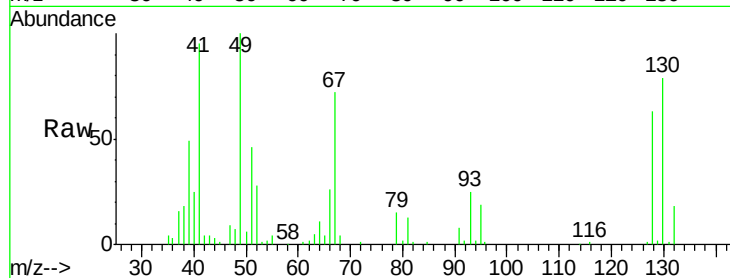
#41
Methacrylonitrile
Concen: 19.773 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		65150		
39	53.1	41.0	61.4		
67	81.6	62.4	93.6		
52	30.5	23.6	35.4		

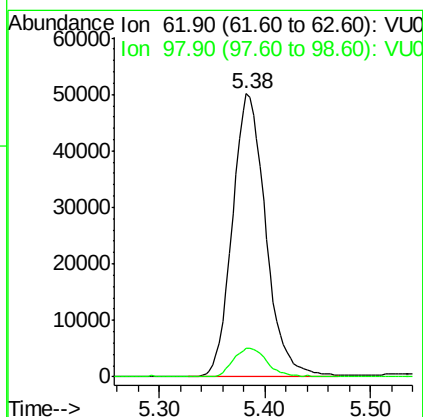
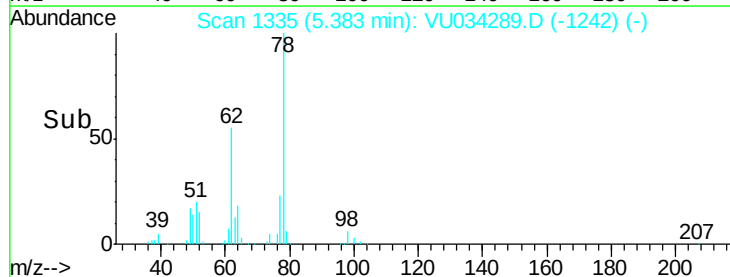
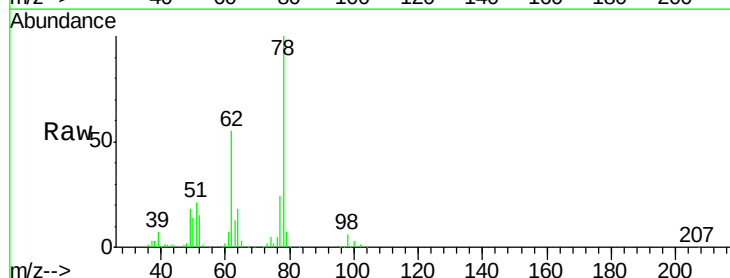
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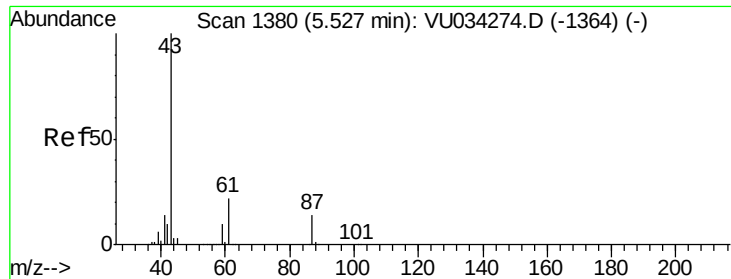
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#42
1,2-Dichloroethane
Concen: 18.819 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		110301		
98	10.4	0.0	20.0		





#43

Isopropyl Acetate

Concen: 19.388 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

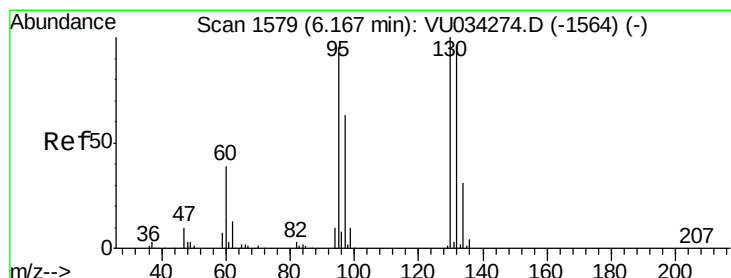
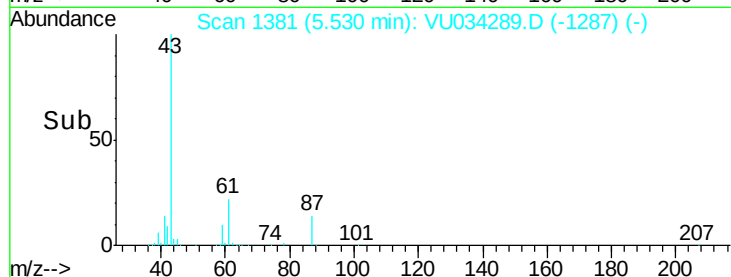
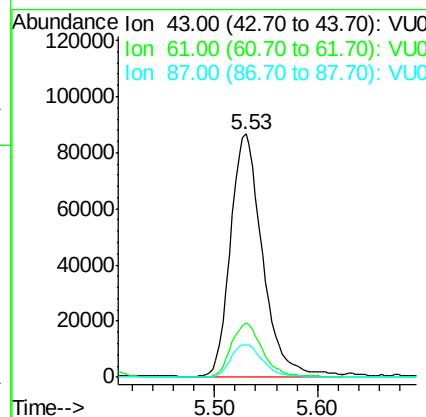
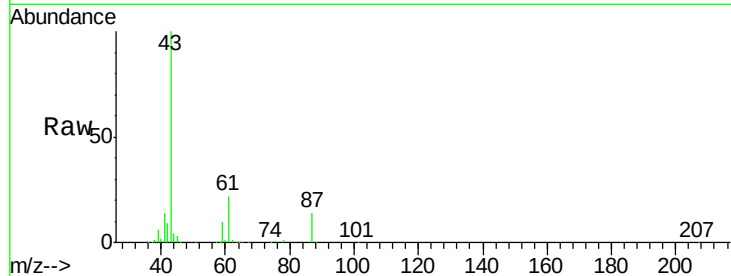
ClientSampleId :

VU0906WBS02

Tot Ion:	43	Resp:	187090
Ion	Ratio	Lower	Upper
43	100		
61	22.4	17.1	25.7
87	13.7	11.1	16.7

Manual Integrations
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#44

Trichloroethene

Concen: 18.931 ug/l

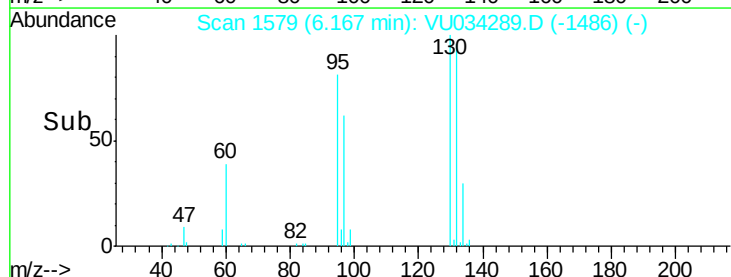
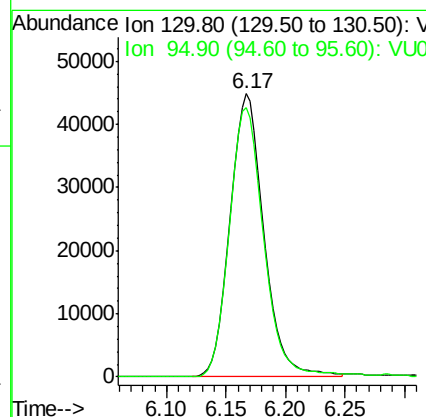
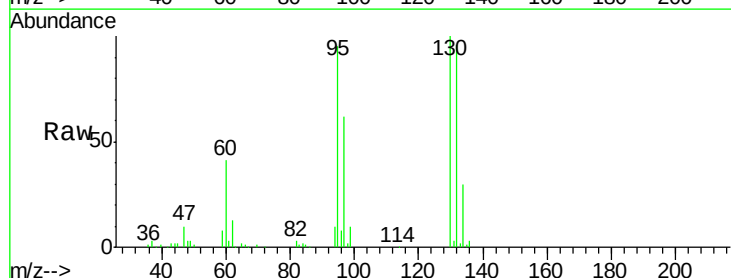
RT: 6.17 min Scan# 1579

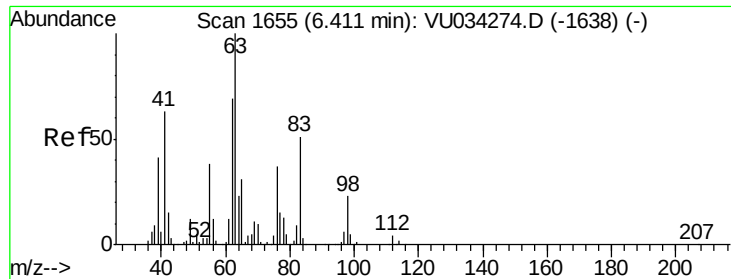
Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Tgt Ion:	130	Resp:	88437
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	189.2





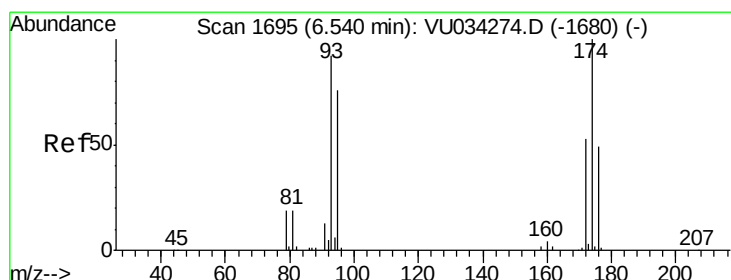
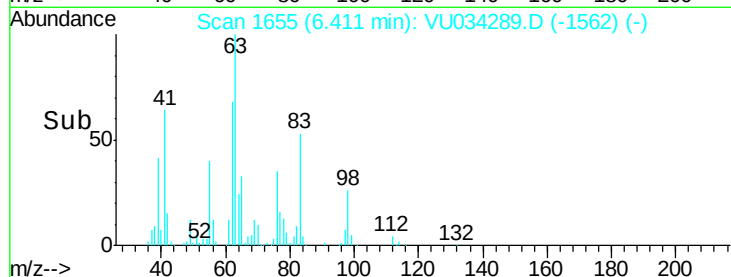
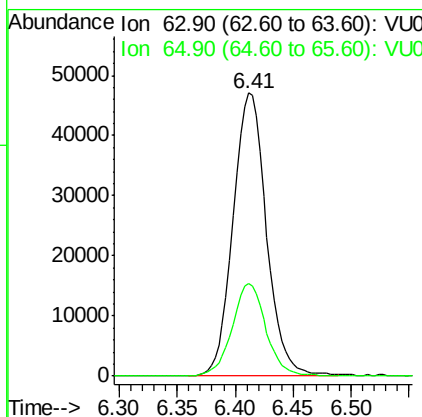
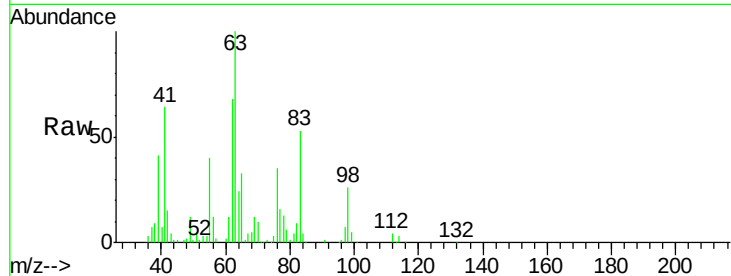
#45
 1,2-Dichloropropane
 Concen: 19.015 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS02

Tot Ion: 63 Resp: 93843
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.6 37.0

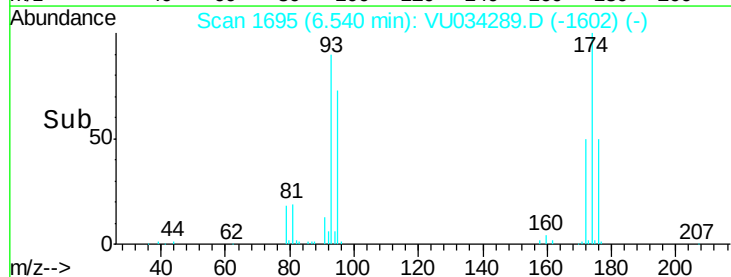
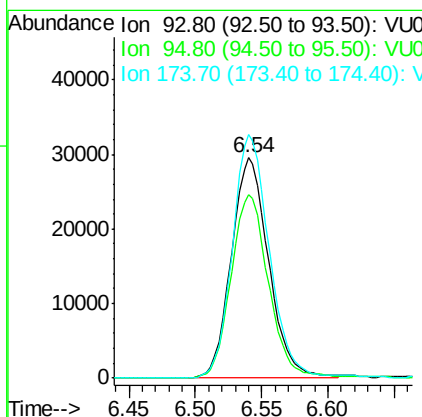
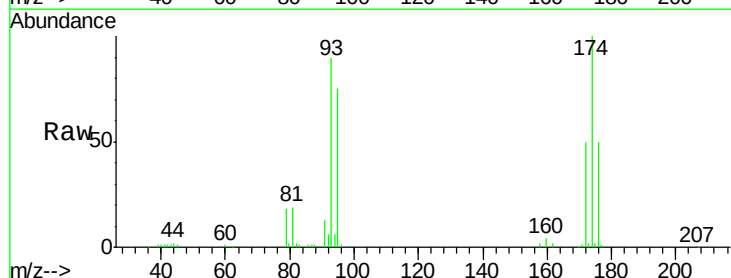
Manual Integrations
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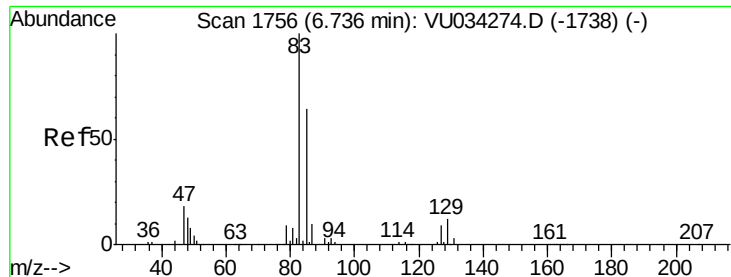
MMDadoda
 9/6/2019 3:22:12 PM



#46
 Dibromomethane
 Concen: 18.670 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Tgt Ion: 93 Resp: 57836
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.5 99.7
 174 109.0 87.8 131.6





#47

Bromodichloromethane

Concen: 18.280 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

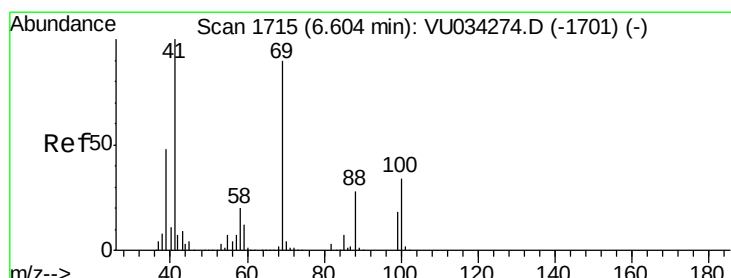
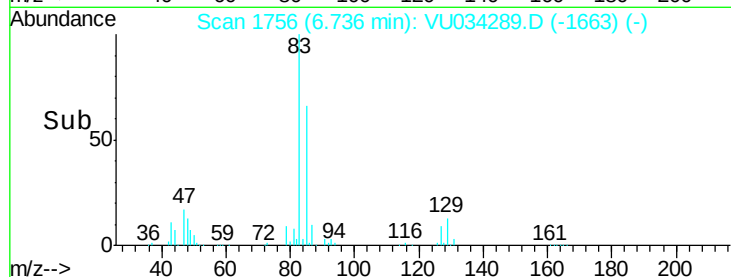
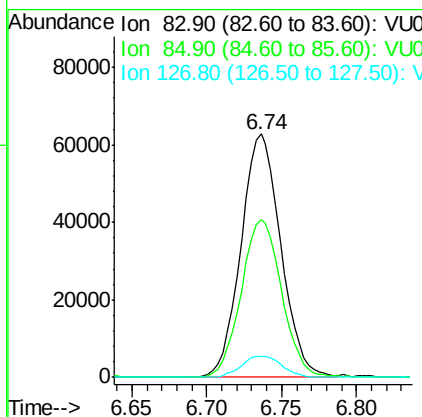
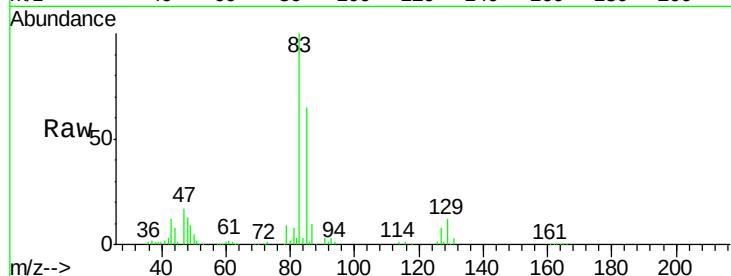
ClientSampleId :

VU0906WBS02

Tot Ion:	83	Resp:	116568
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.1	76.7
127	8.5	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.616 ug/l

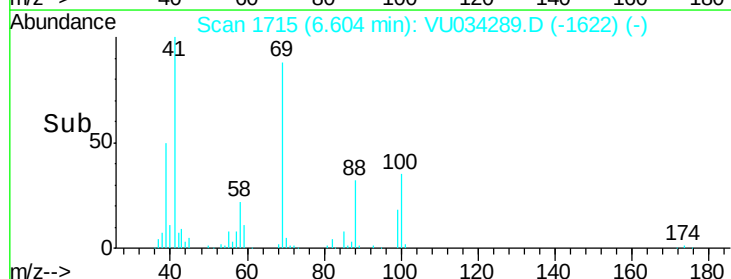
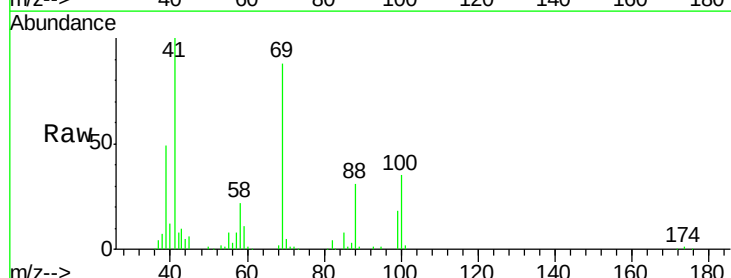
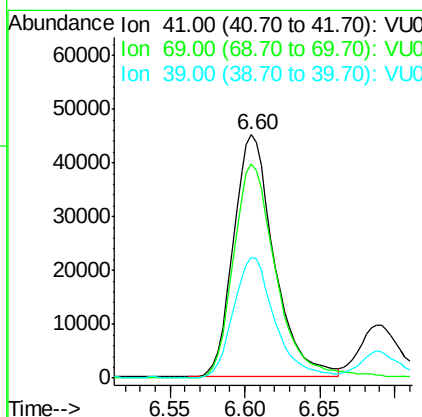
RT: 6.60 min Scan# 1715

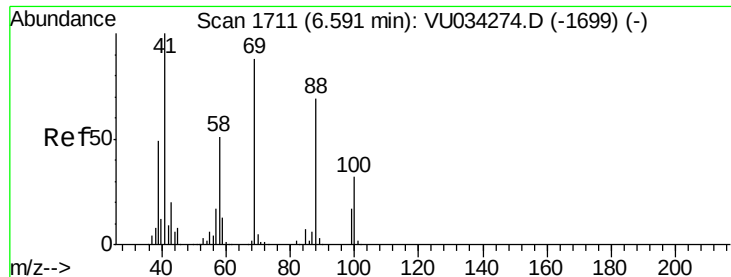
Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Tgt Ion:	41	Resp:	85318
Ion	Ratio	Lower	Upper
41	100		
69	93.3	72.8	109.2
39	50.0	38.6	58.0





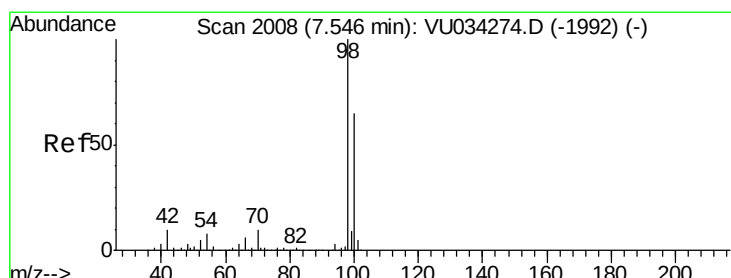
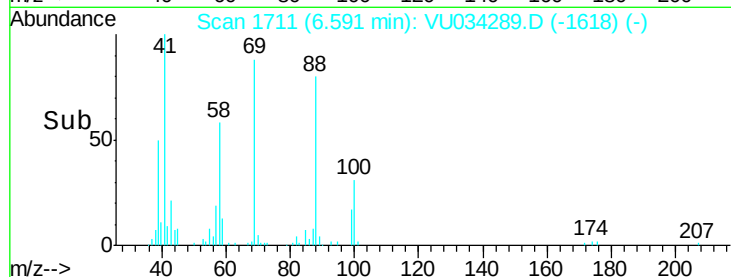
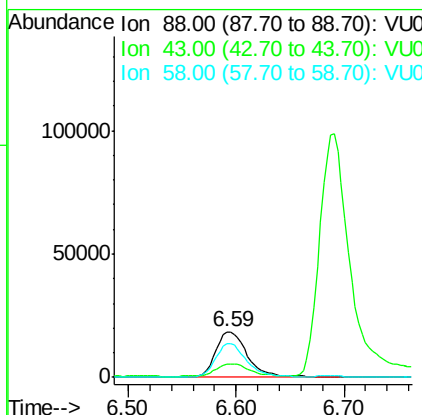
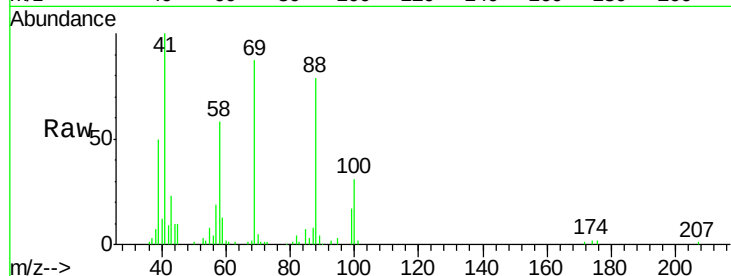
#49
1,4-Dioxane
Concen: 376.330 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	23.8	35.6
58	73.6	58.4	87.6

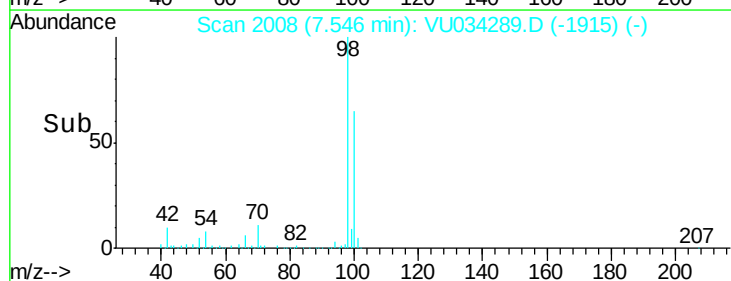
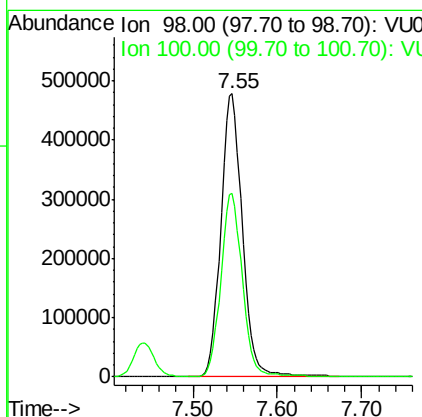
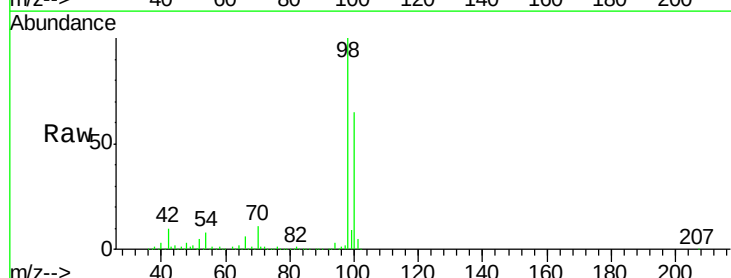
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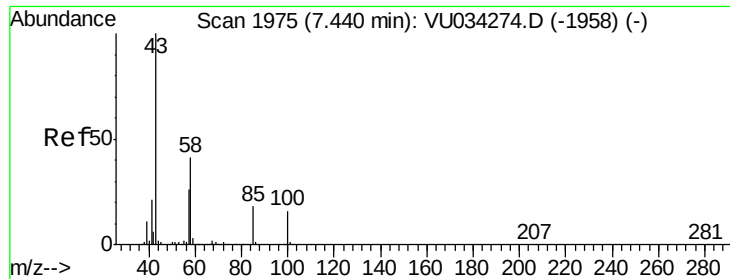
MMDadoda
9/6/2019 3:22:12 PM



#50
Toluene-d8
Concen: 50.375 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.7	77.5





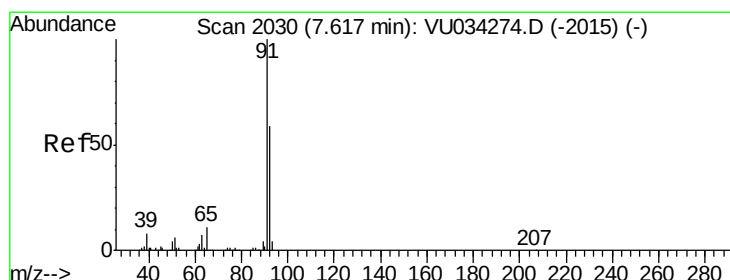
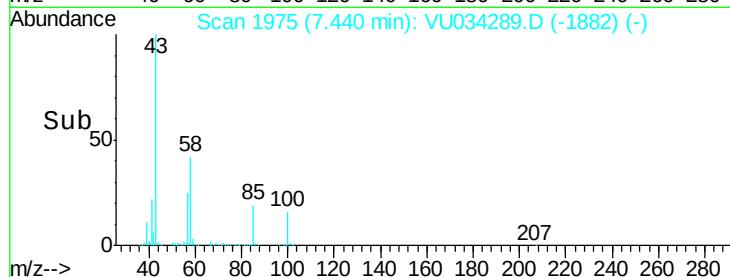
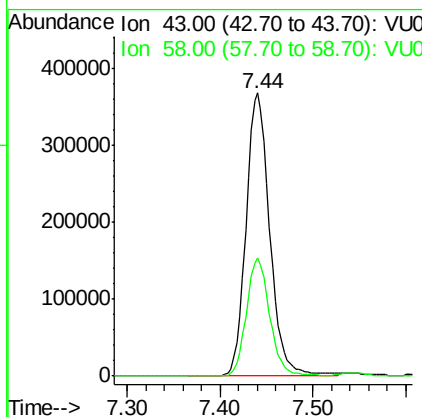
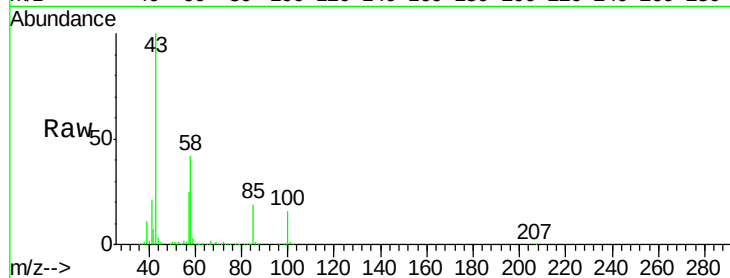
#51
4-Methyl-2-Pentanone
Concen: 97.524 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.1	33.0	49.4

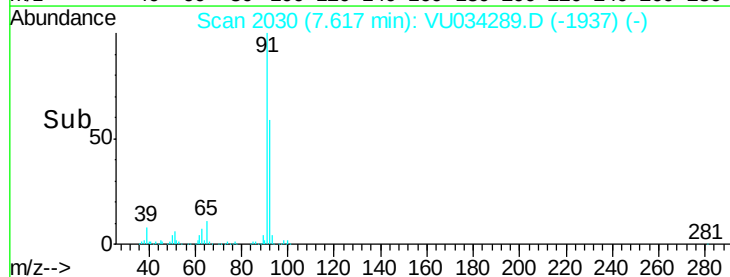
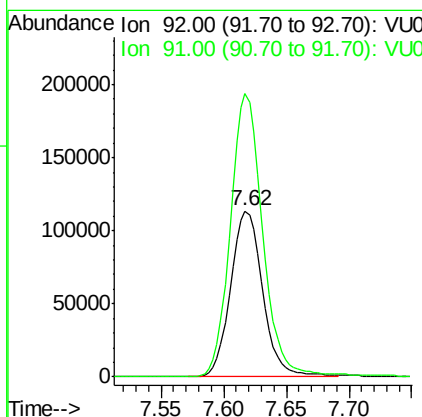
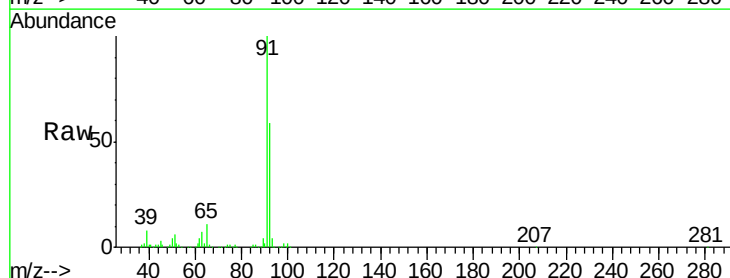
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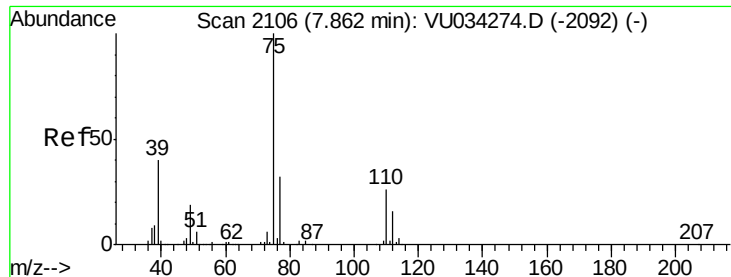
MMDadoda
9/6/2019 3:22:12 PM



#52
Toluene
Concen: 19.129 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.9	136.6	205.0





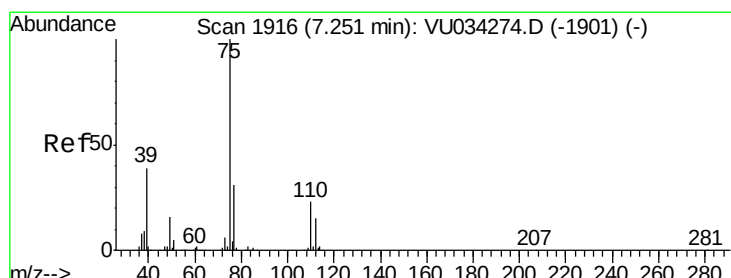
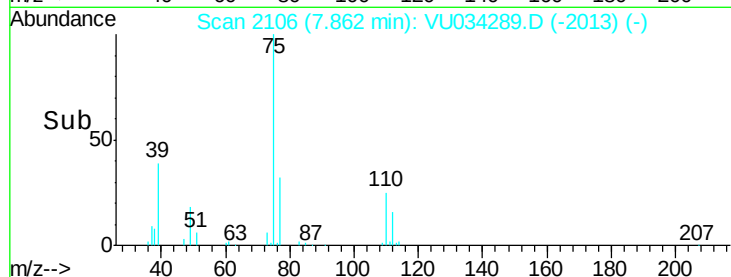
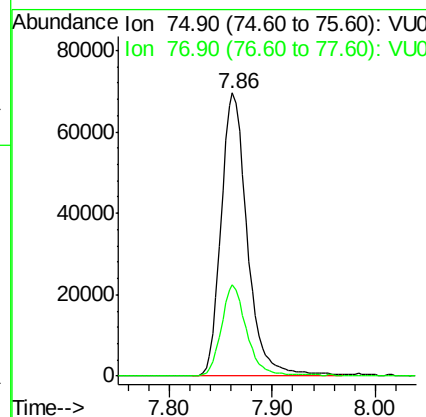
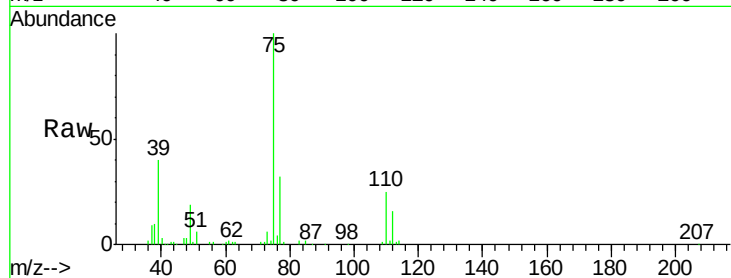
#53
t-1,3-Dichloropropene
Concen: 18.684 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.7	38.5

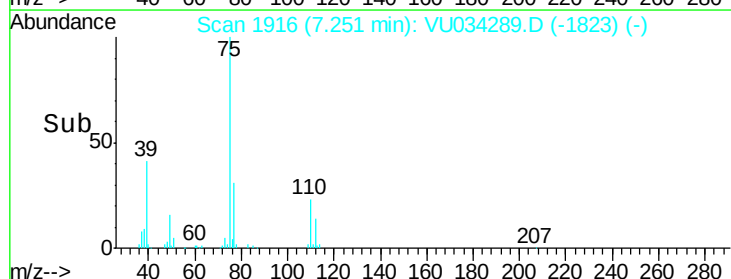
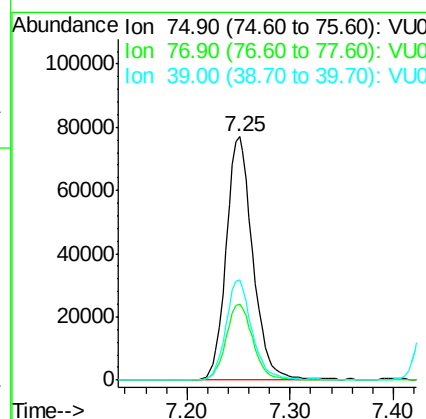
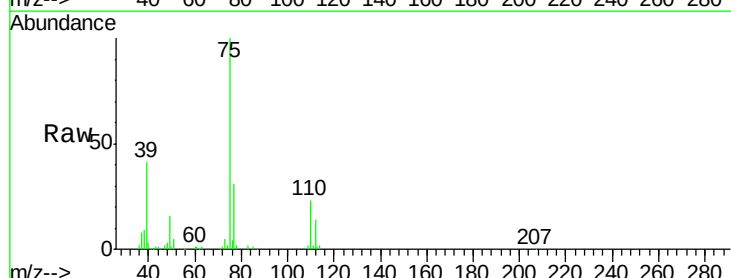
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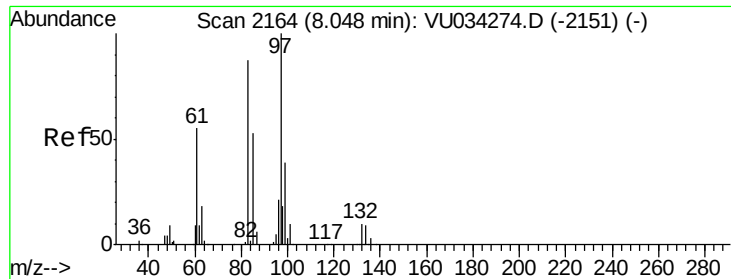
MMDadoda
9/6/2019 3:22:12 PM



#54
cis-1,3-Dichloropropene
Concen: 19.076 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	41.1	31.2	46.8





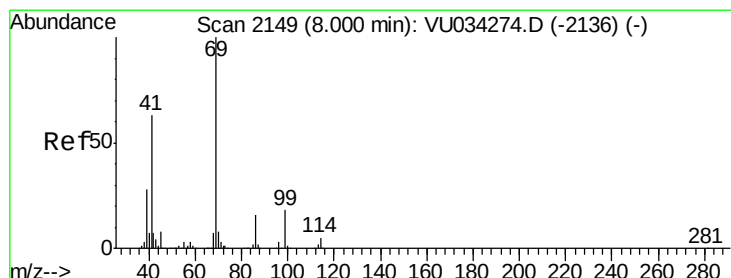
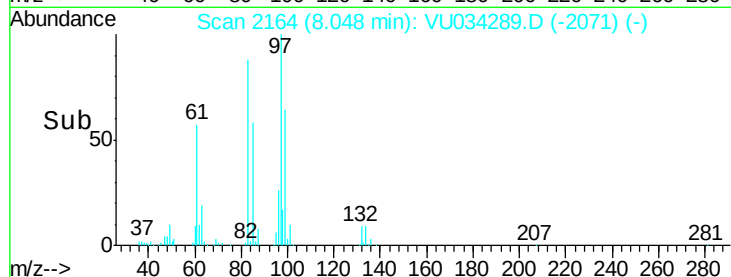
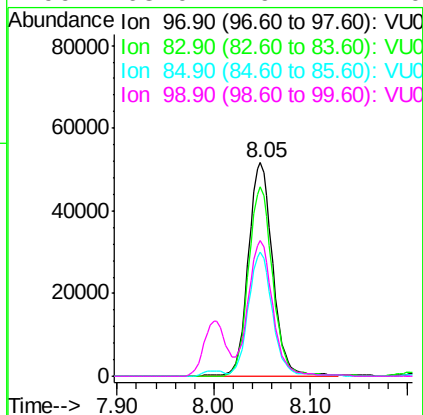
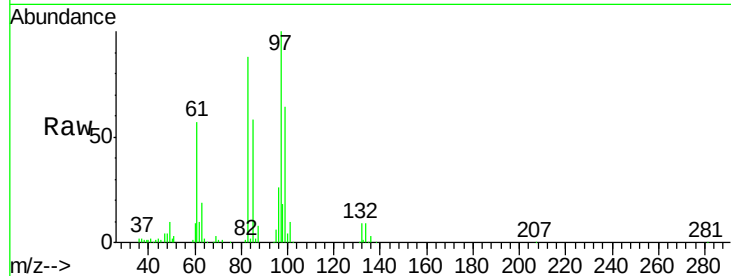
#55
 1,1,2-Trichloroethane
 Concen: 18.779 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	88.5	69.0	103.6		
85	57.9	44.2	66.2		
99	63.0	49.4	74.0		

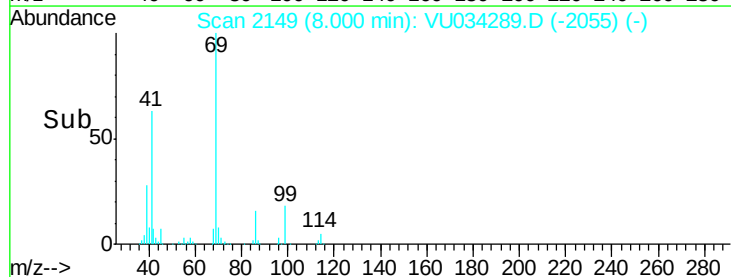
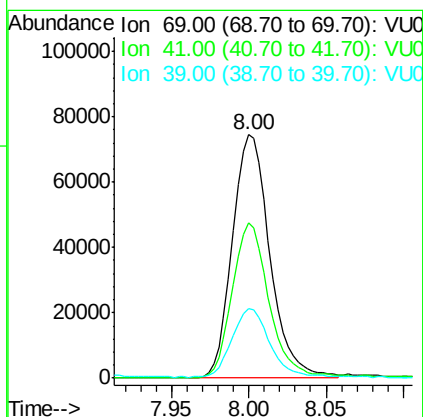
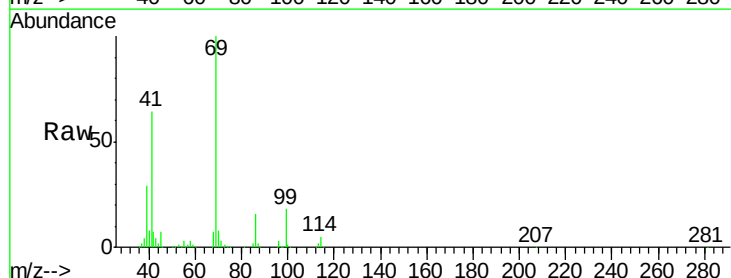
Manual Integrations
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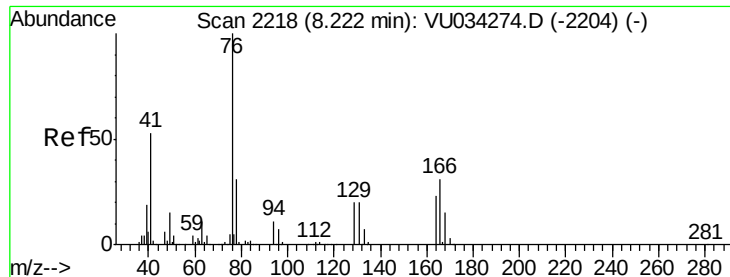
MMDadoda
 9/6/2019 3:22:12 PM



#56
 Ethyl methacrylate
 Concen: 19.226 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	62.8	49.5	74.3		
39	28.3	22.5	33.7		





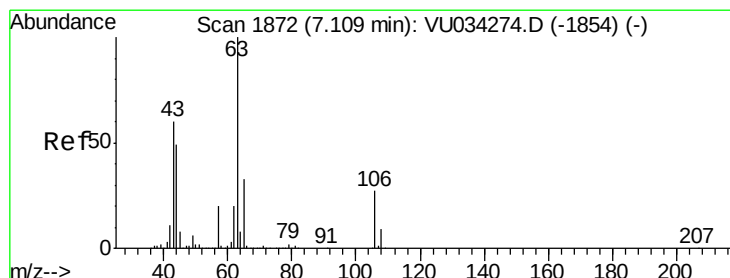
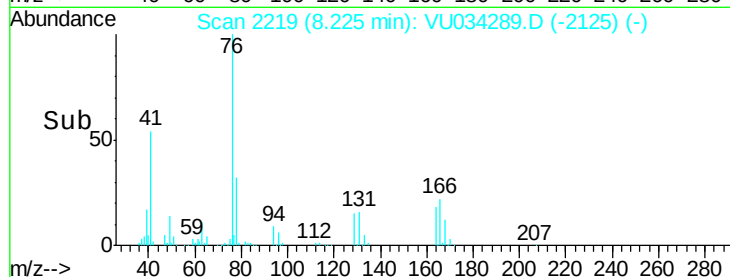
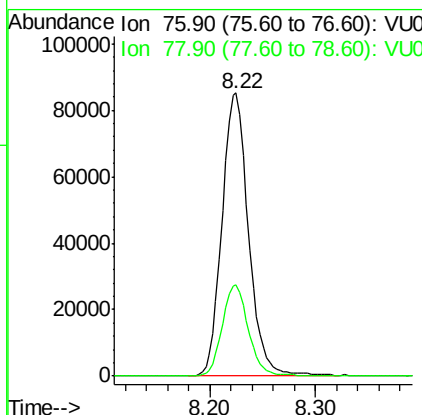
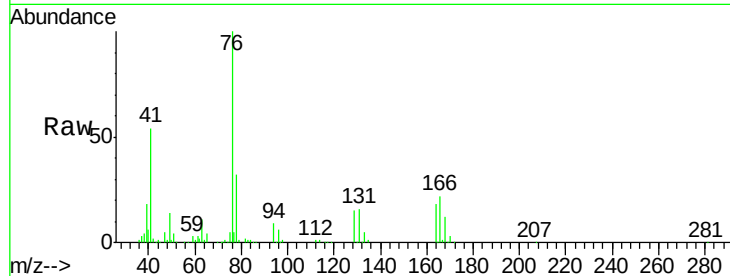
#57
 1,3-Dichloropropane
 Concen: 19.000 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.4	38.2

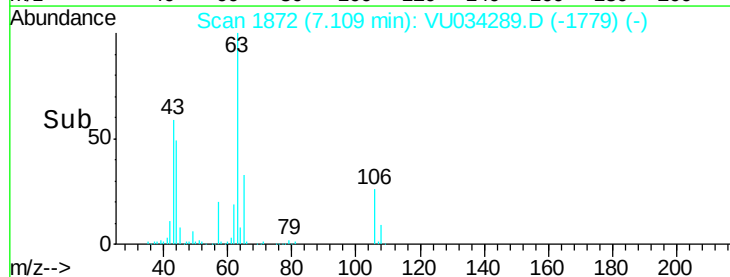
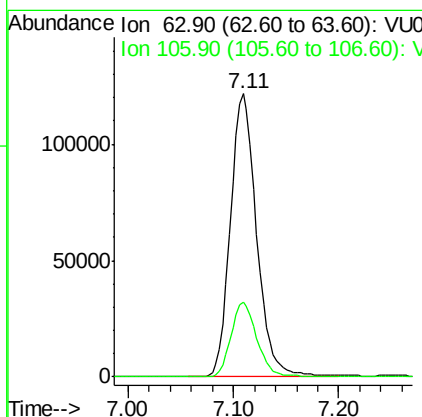
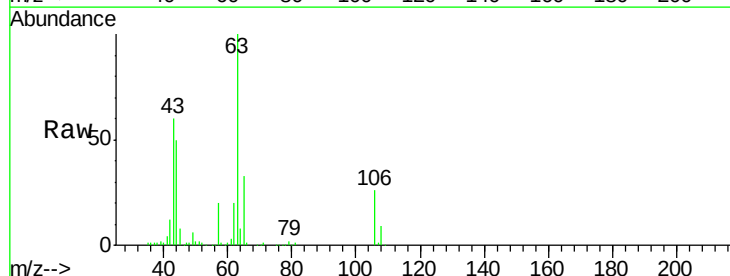
Manual Integrations
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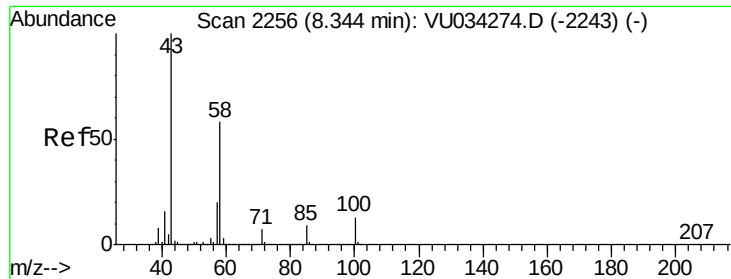
MMDadoda
 9/6/2019 3:22:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.755 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.6	32.4





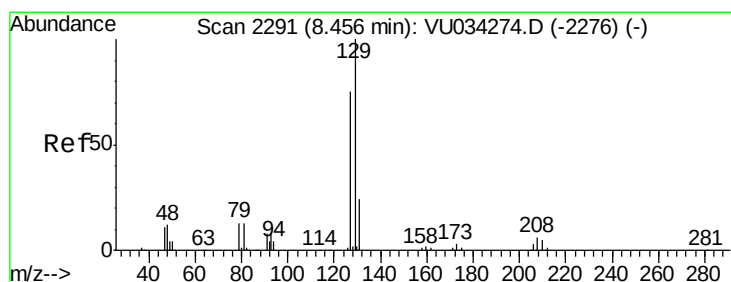
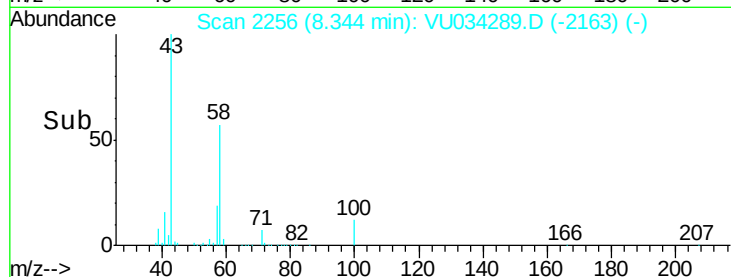
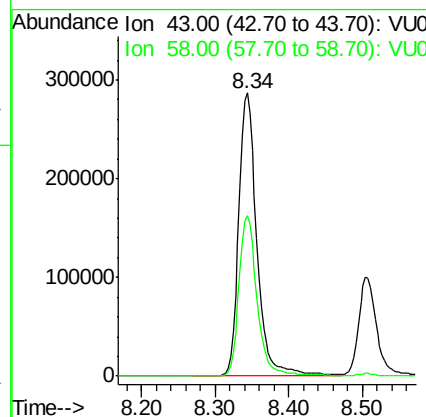
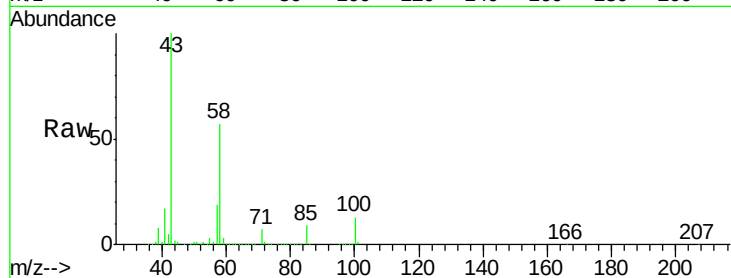
#59
2-Hexanone
Concen: 97.836 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.2	28.8	86.5

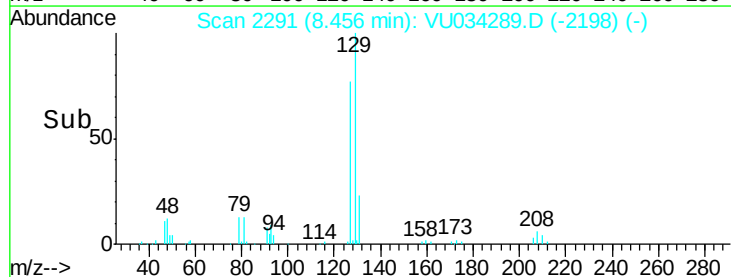
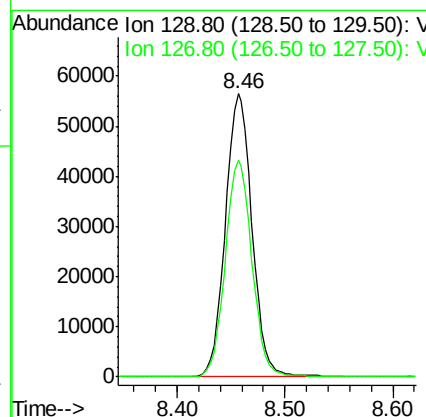
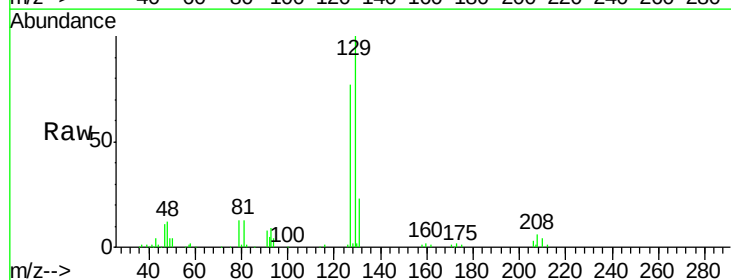
Manual Integrations
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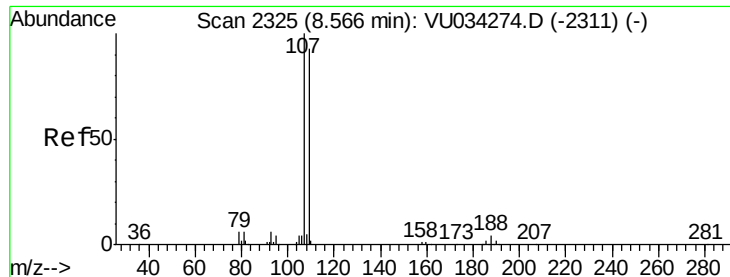
MMDadoda
9/6/2019 3:22:12 PM



#60
Dibromochloromethane
Concen: 18.791 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	37.9	113.7





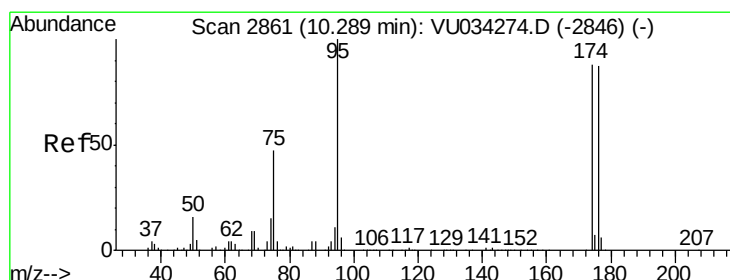
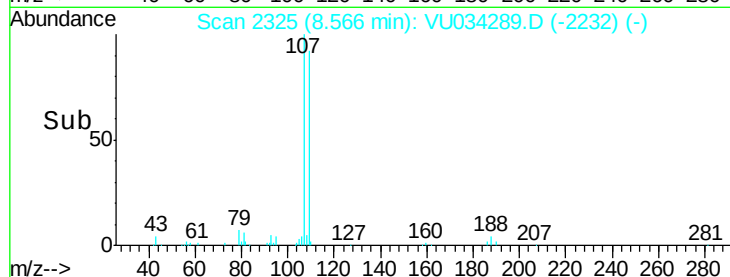
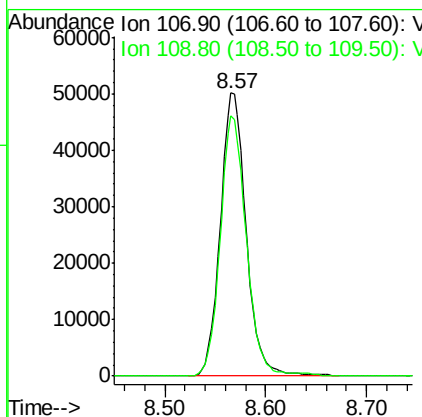
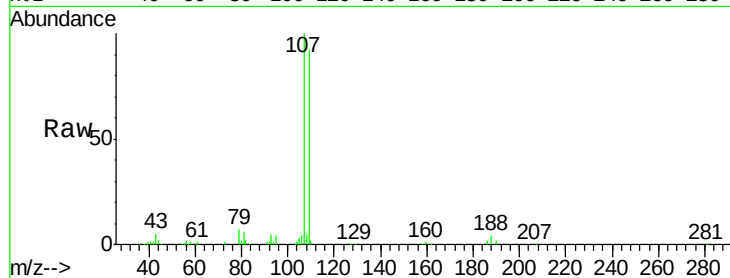
#61
 1,2-Dibromoethane
 Concen: 19.120 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.0	112.6

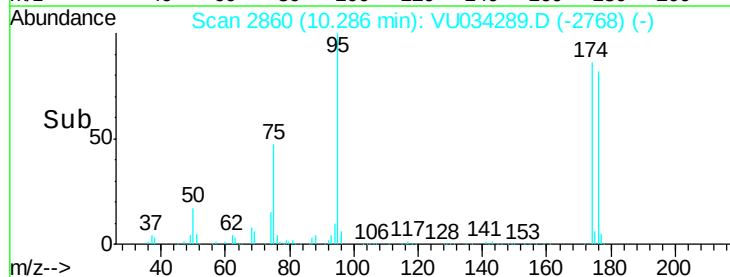
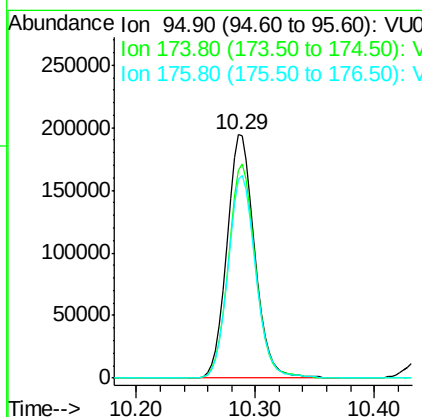
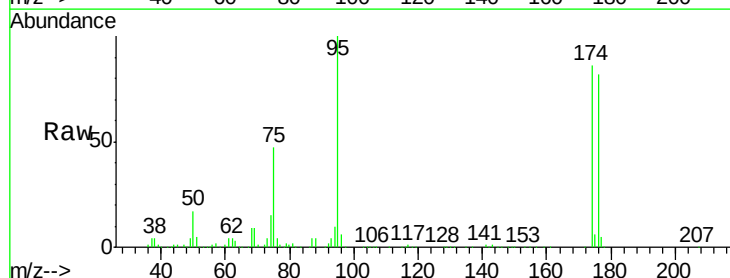
Manual Integrations
 APPROVED

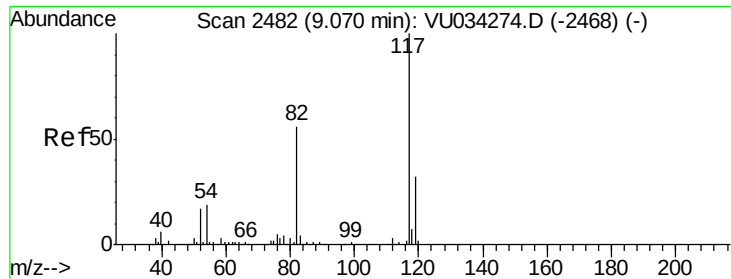
MMDadoda
 9/6/2019 3:22:12 PM



#62
 4-Bromofluorobenzene
 Concen: 48.103 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	175.2
176	83.1	0.0	168.0





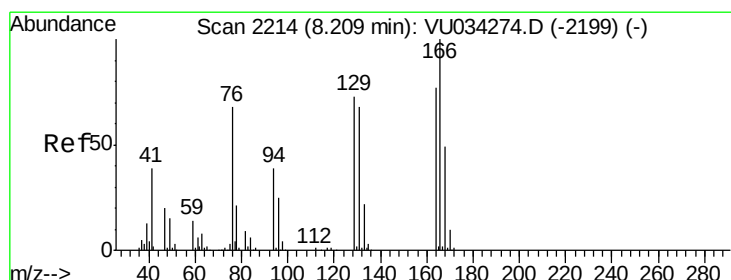
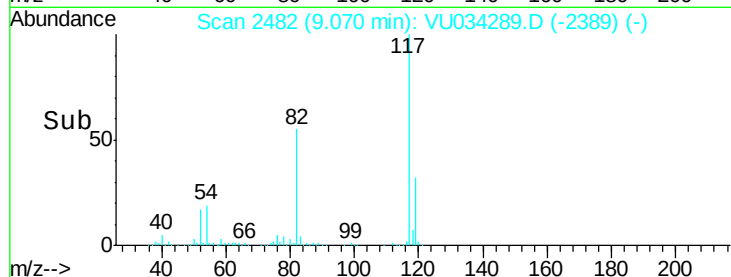
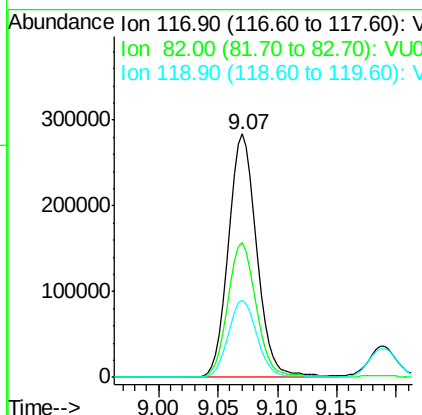
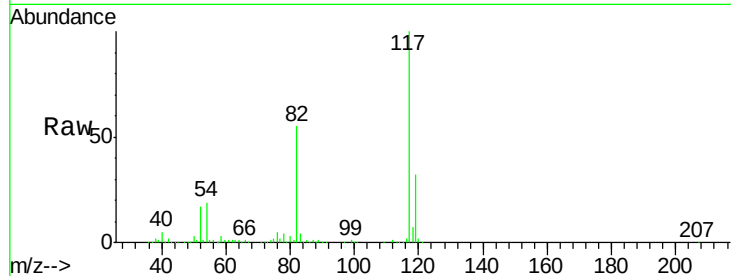
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	469851		
82	55.2	44.6	67.0	
119	31.8	25.9	38.9	

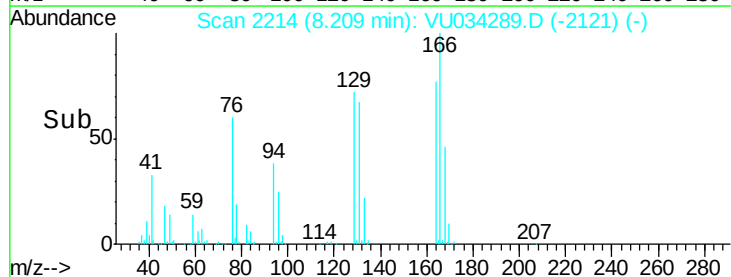
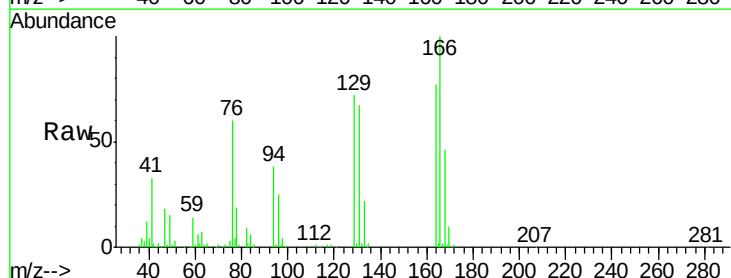
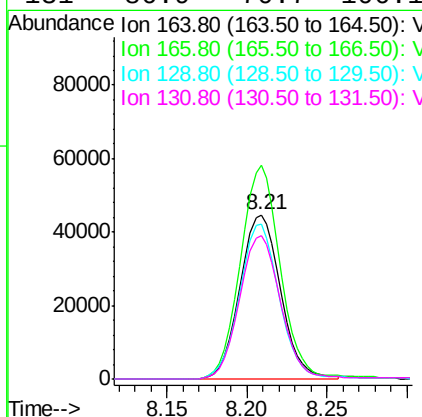
Manual Integrations
APPROVED

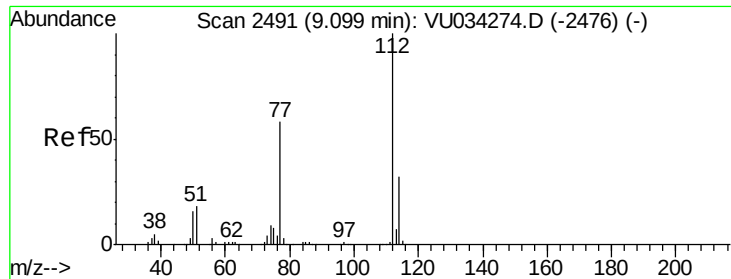
MMDadoda
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#64
Tetrachloroethene
Concen: 18.986 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	77391		
166	129.9	103.7	155.5	
129	94.0	75.8	113.8	
131	86.9	70.7	106.1	





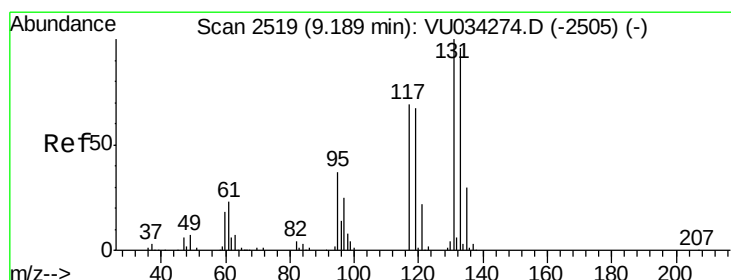
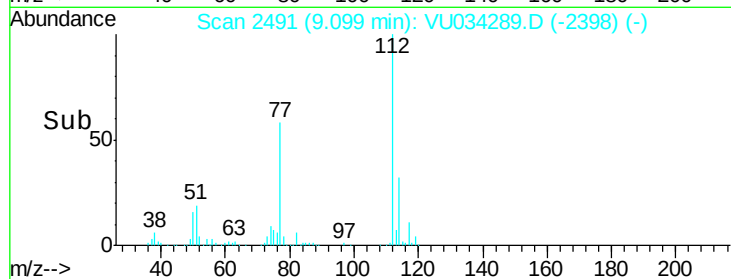
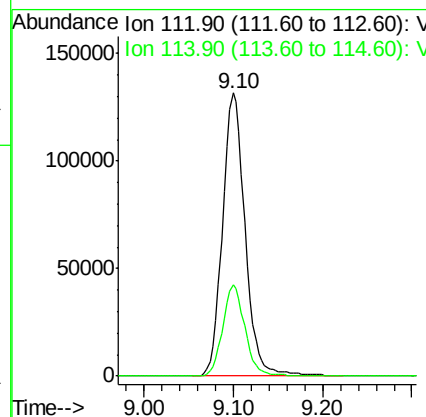
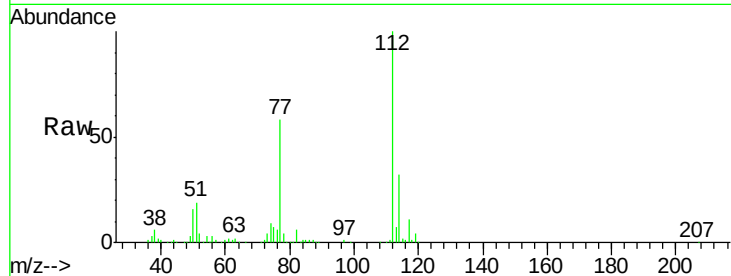
#65
Chlorobenzene
Concen: 19.383 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.9	38.9

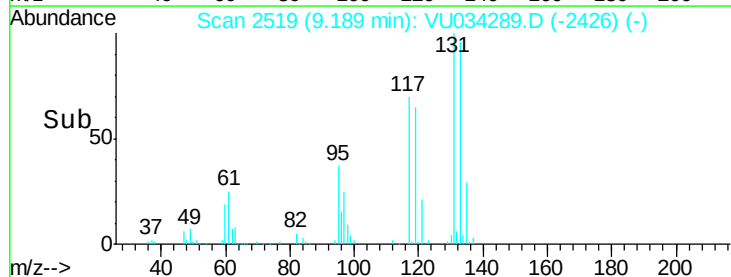
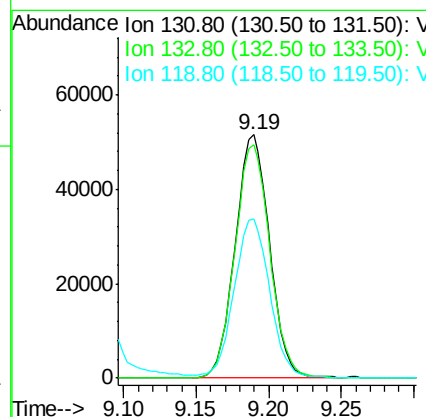
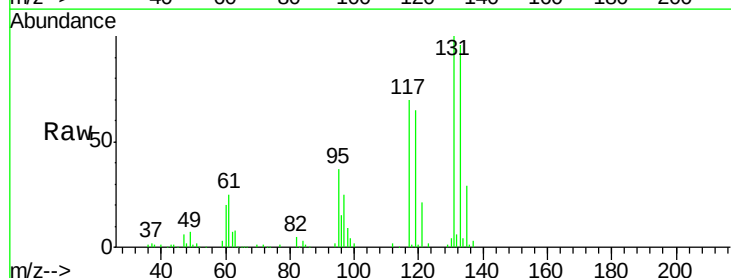
Manual Integrations
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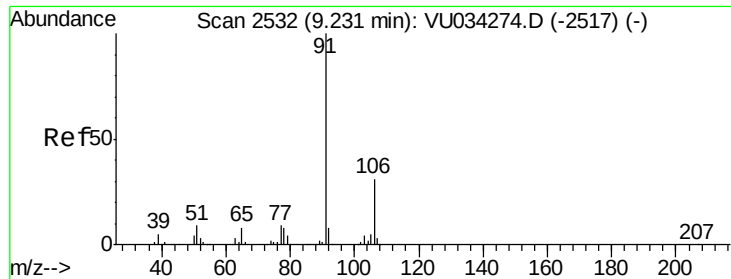
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.688 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.9	143.7
119	67.2	33.1	99.5





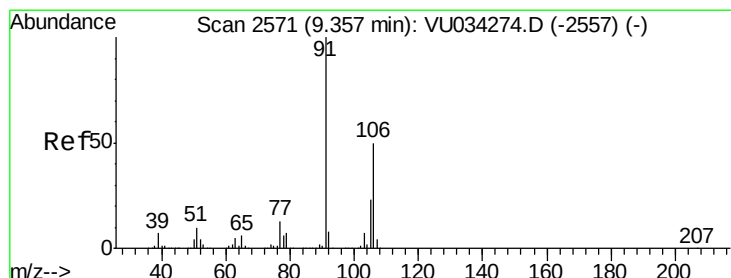
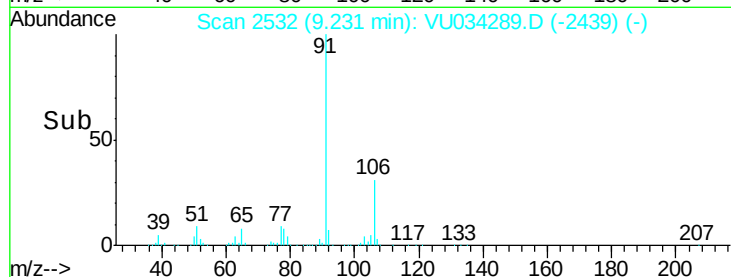
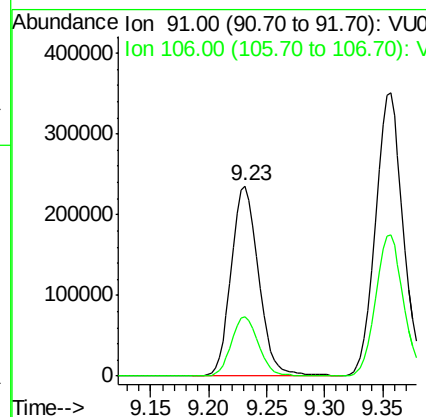
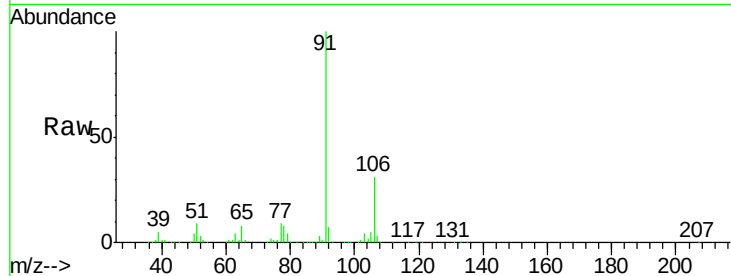
#67
Ethyl Benzene
Concen: 19.812 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS02

Tot Ion: 91 Resp: 386136
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2

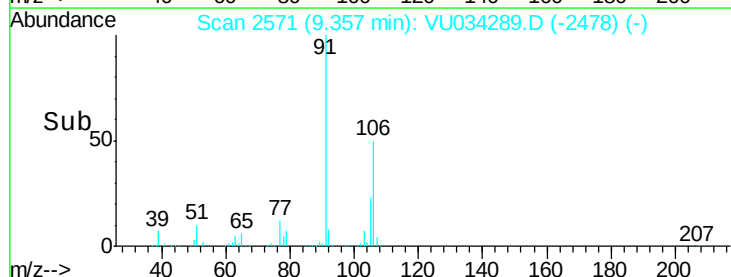
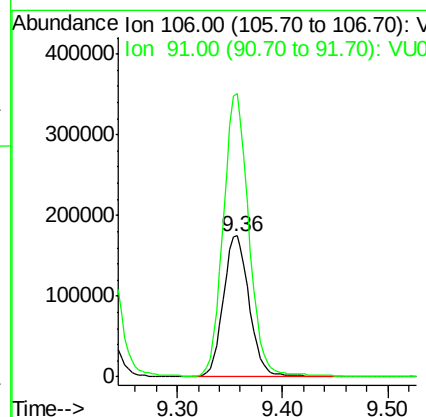
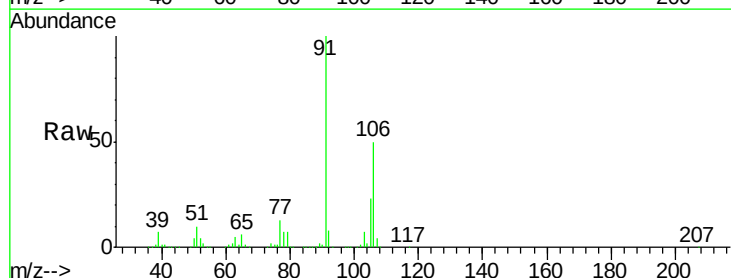
Manual Integrations
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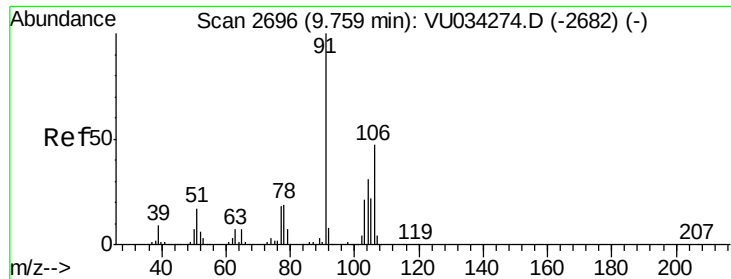
MMDadoda
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#68
m/p-Xylenes
Concen: 40.307 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Tgt Ion: 106 Resp: 295830
Ion Ratio Lower Upper
106 100
91 199.6 160.1 240.1





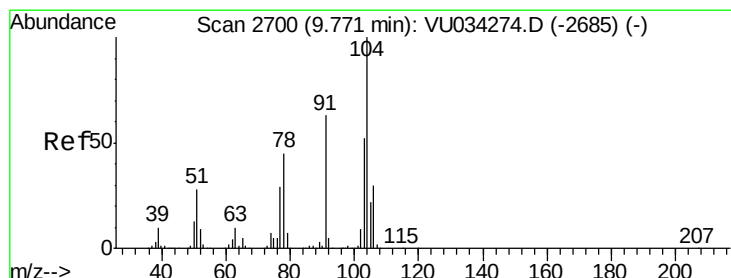
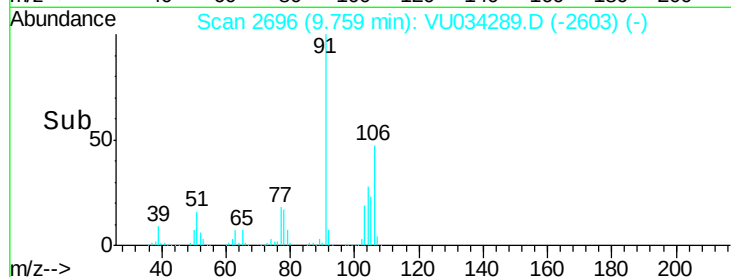
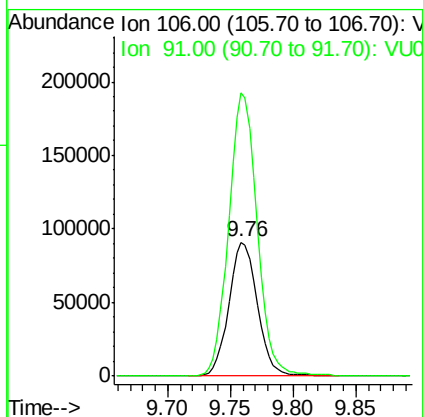
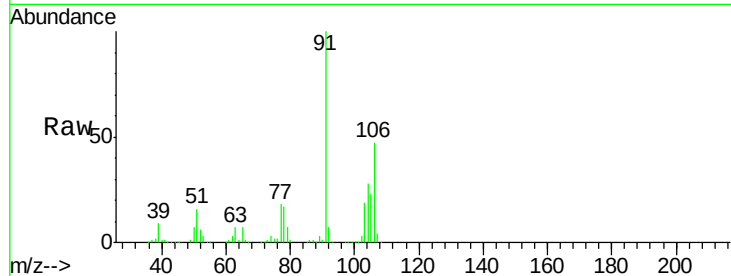
#69
o-Xylene
Concen: 20.107 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	144318		
91	91	210.6	105.1	315.3	

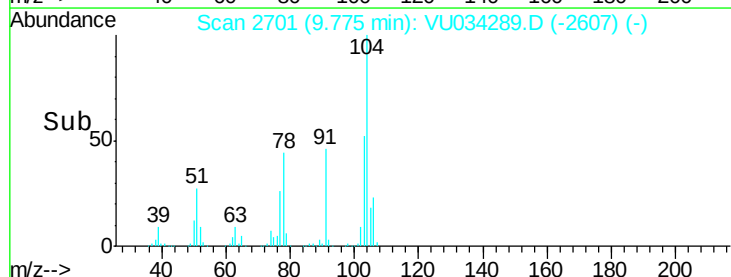
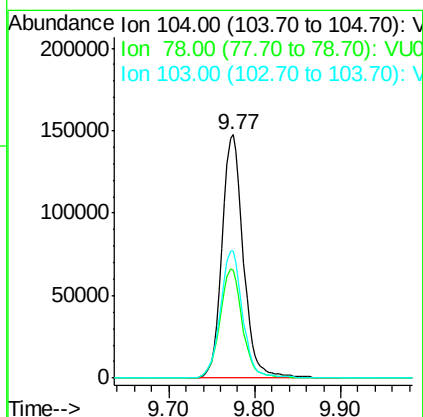
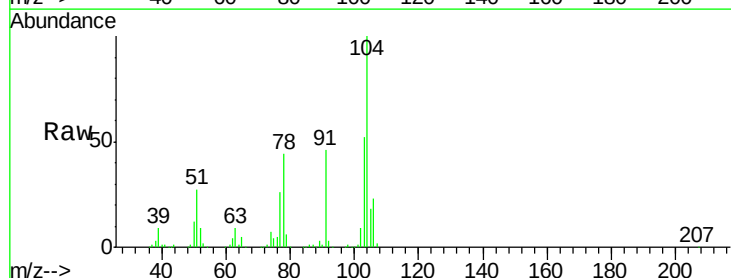
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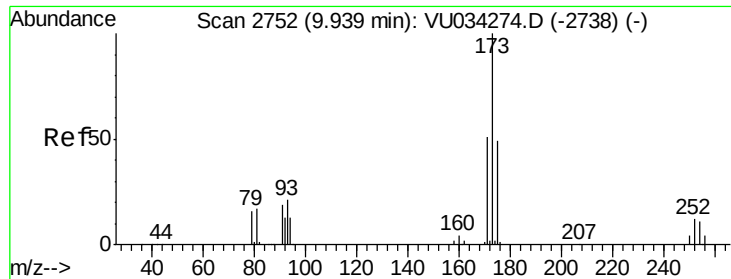
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#70
Styrene
Concen: 20.270 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	255081		
78	78	47.5	38.6	57.8	
103	103	54.7	44.2	66.4	





#71

Bromoform

Concen: 18.974 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS02

Tot Ion:173 Resp: 74806

Ion Ratio Lower Upper

173 100

175 48.5 24.4 73.2

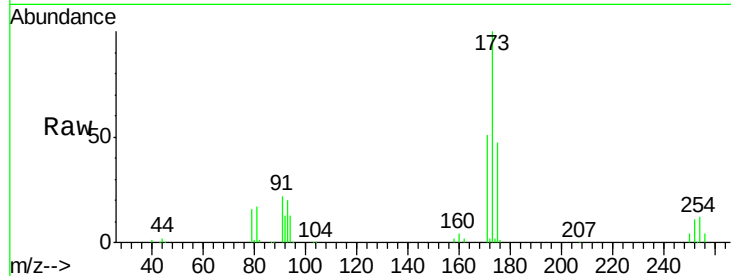
254 0.0 0.0 0.0

Manual Integrations

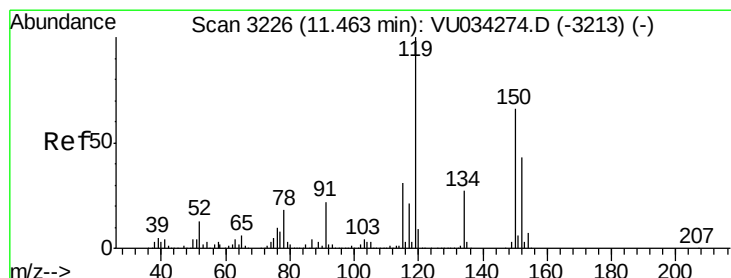
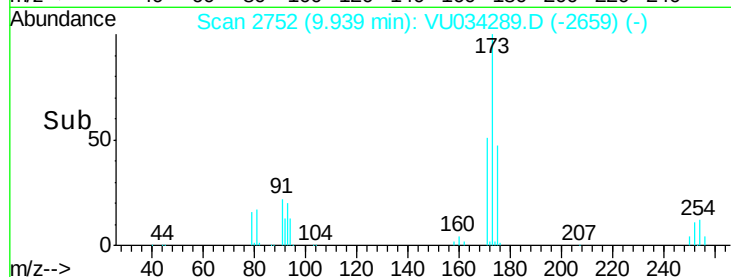
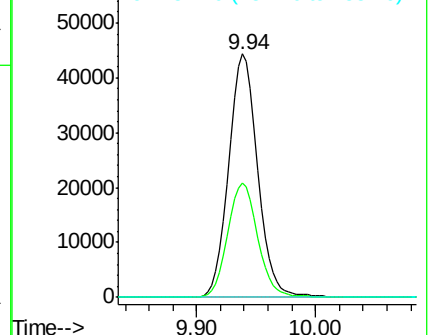
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

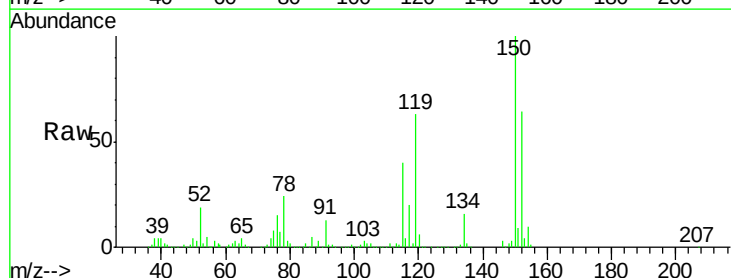
Tgt Ion:152 Resp: 306628

Ion Ratio Lower Upper

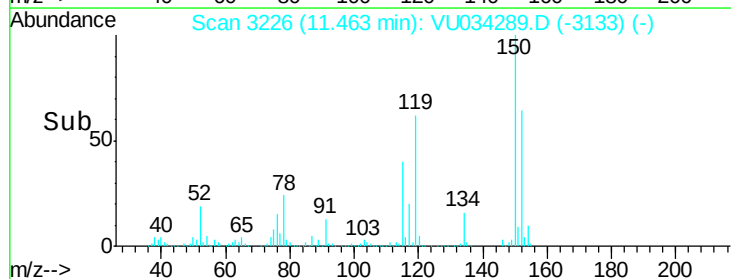
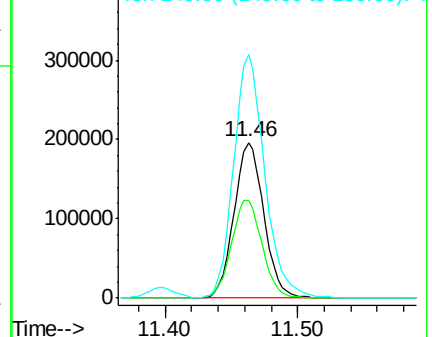
152 100

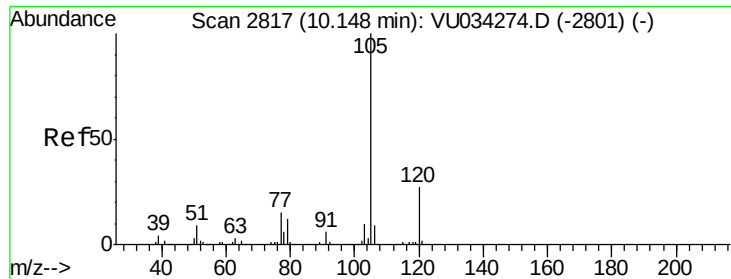
115 65.0 39.1 117.3

150 162.4 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: 19.851 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS02

Tot Ion:105 Resp: 396126

Ion Ratio Lower Upper

105 100

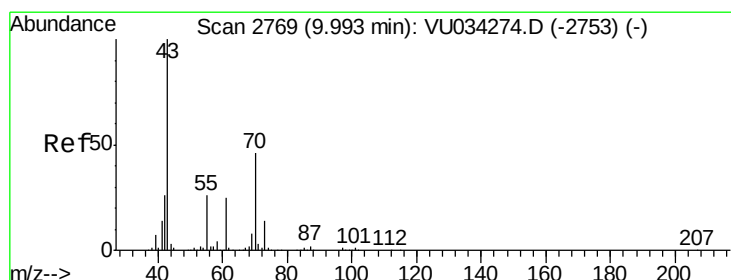
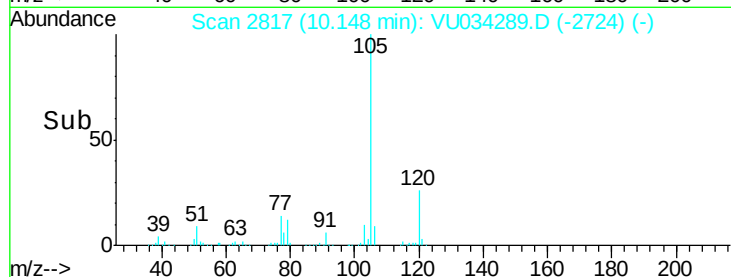
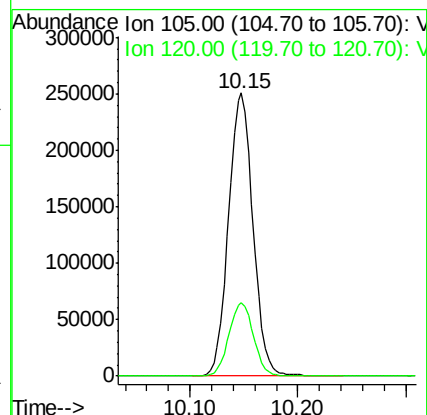
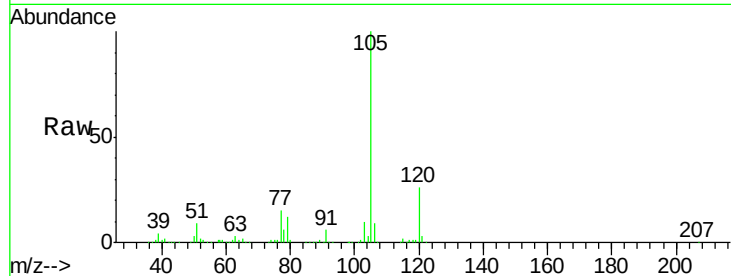
120 26.3 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.782 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Tgt Ion: 43 Resp: 158894

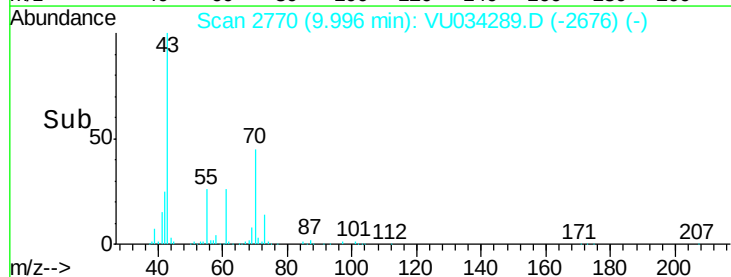
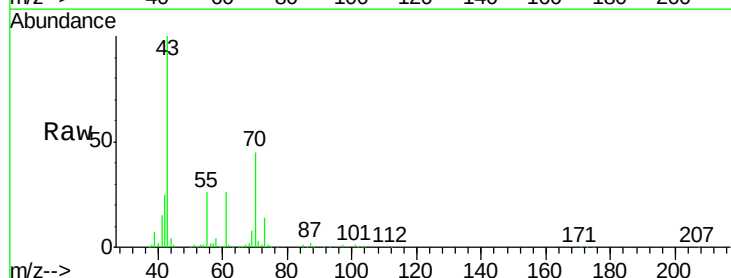
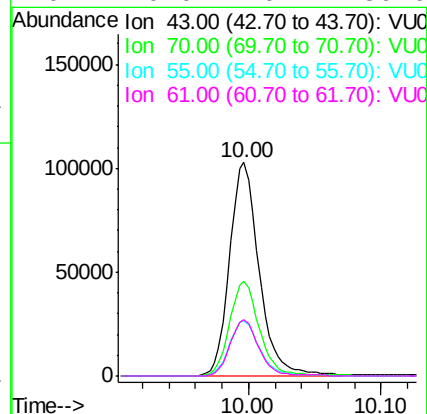
Ion Ratio Lower Upper

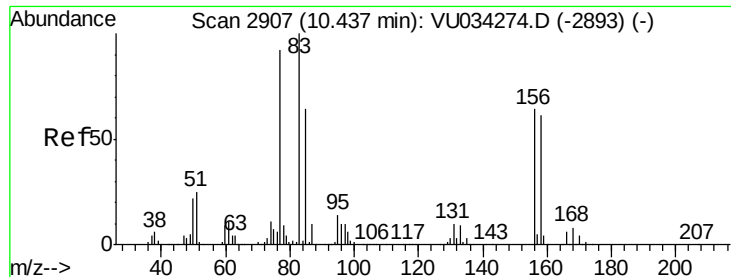
43 100

70 45.1 36.4 54.6

55 26.2 21.2 31.8

61 26.0 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.776 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

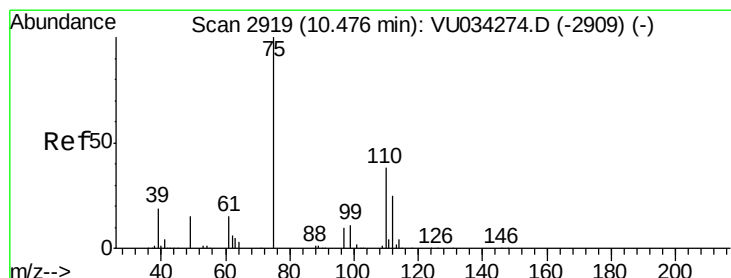
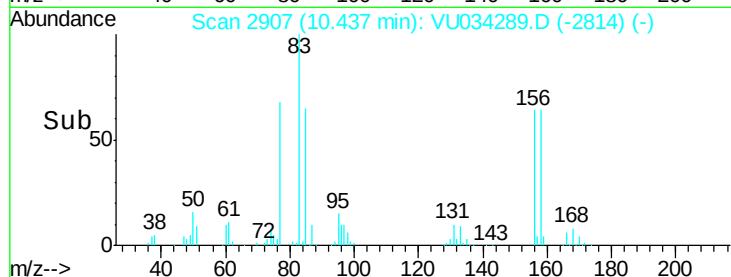
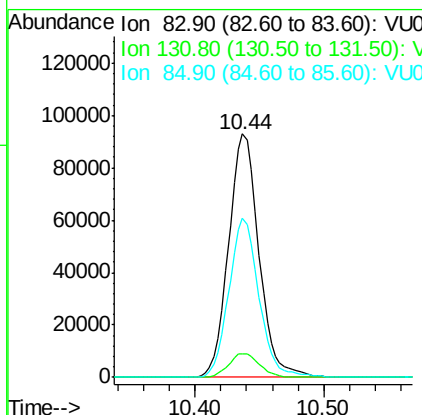
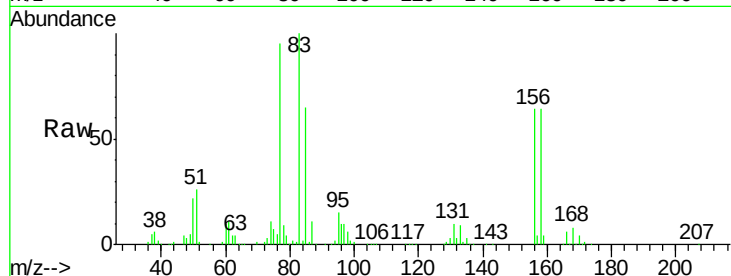
ClientSampleId :

VU0906WBS02

Tot Ion:	83	Resp:	151654
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.2
85	64.9	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.381 ug/l m

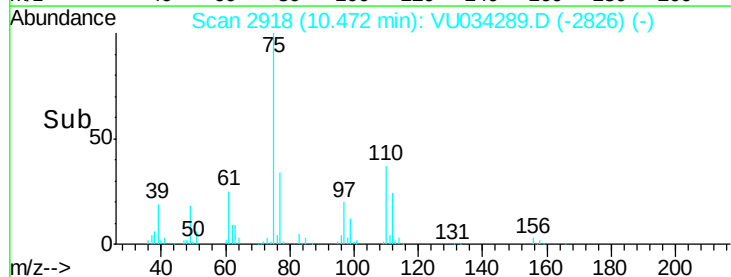
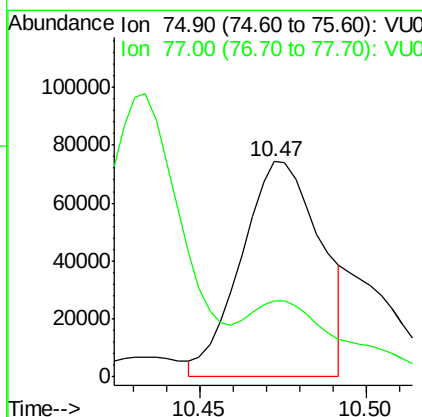
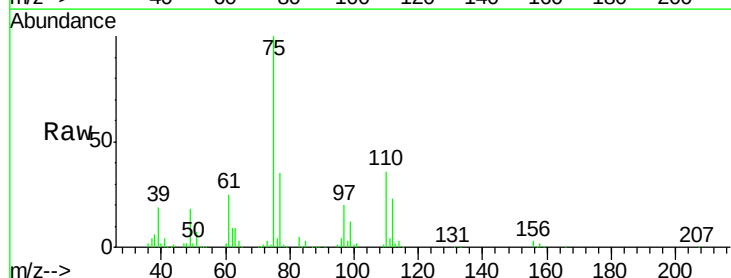
RT: 10.47 min Scan# 2918

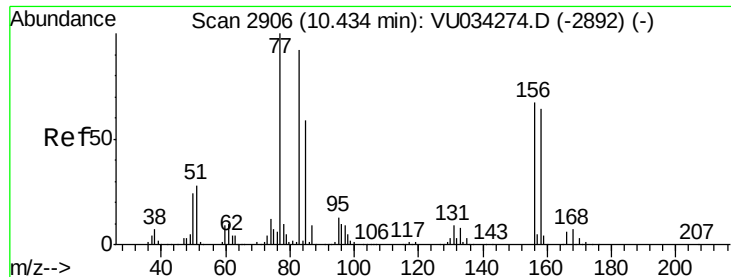
Delta R.T. -0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Tgt Ion:	75	Resp:	123028
Ion Ratio	Lower	Upper	
75	100		
77	44.2	20.8	62.2





#77

Bromobenzene

Concen: 19.316 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

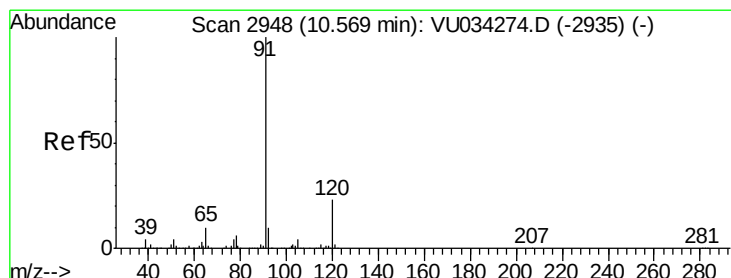
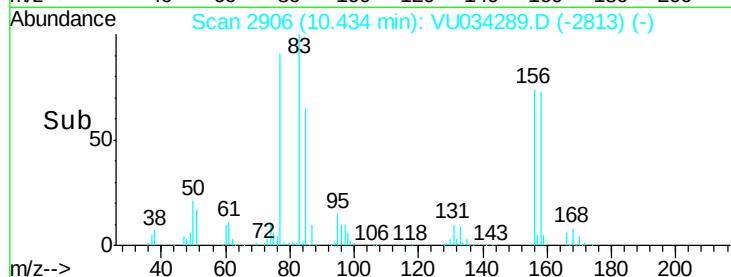
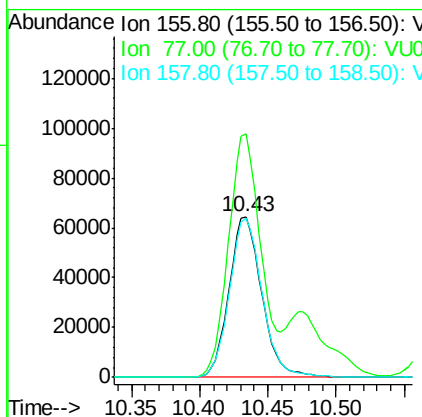
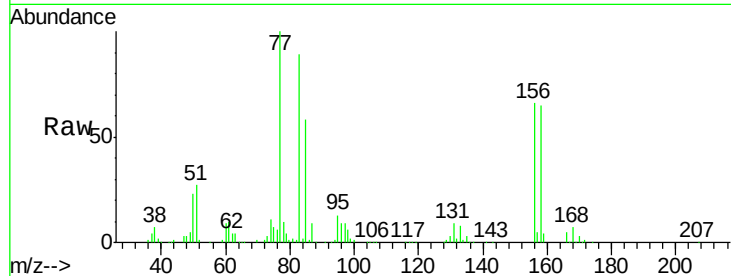
ClientSampleId :

VU0906WBS02

Tot Ion:	156	Resp:	107777
Ion Ratio	Lower	Upper	
156	100		
77	150.6	75.6	226.9
158	98.8	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.861 ug/l

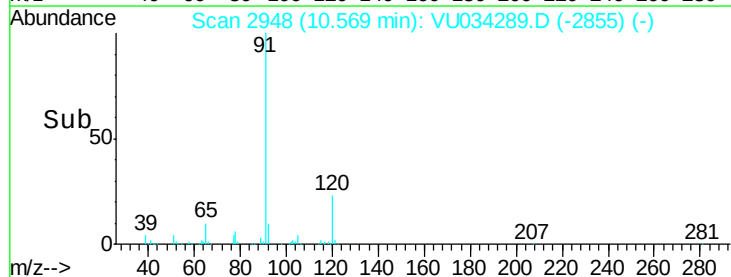
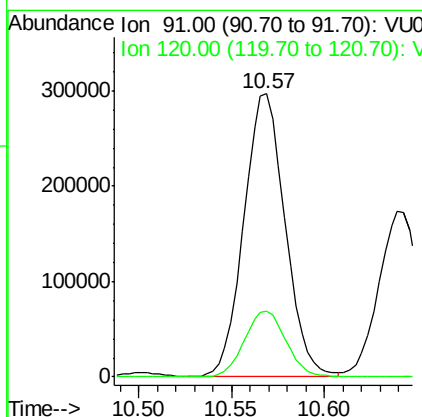
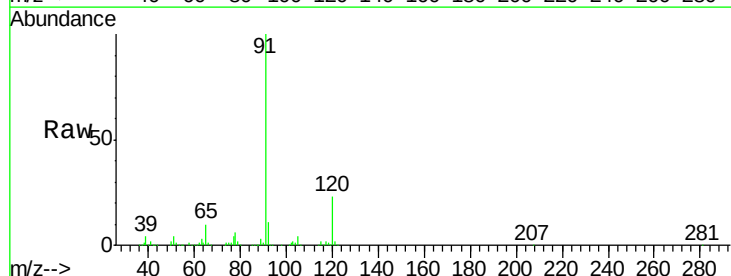
RT: 10.57 min Scan# 2948

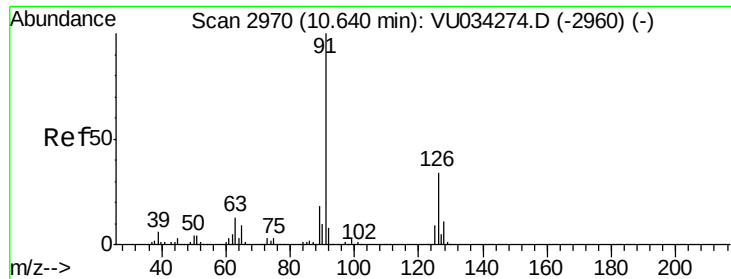
Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Tgt Ion:	91	Resp:	457698
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.7	35.0





#79

2-Chlorotoluene

Concen: 19.688 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS02

Tot Ion: 91 Resp: 276838

Ion Ratio Lower Upper

91 100

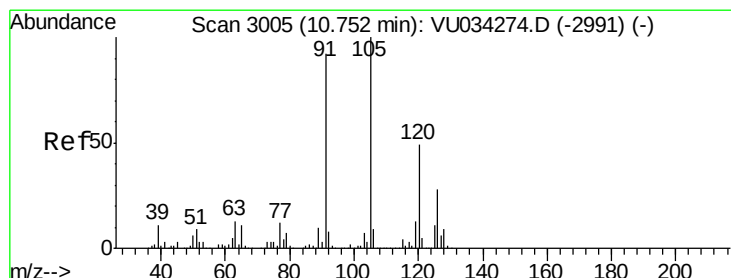
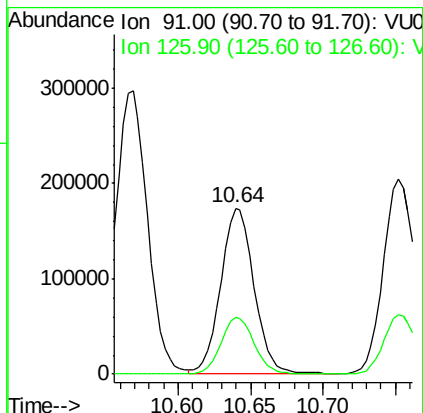
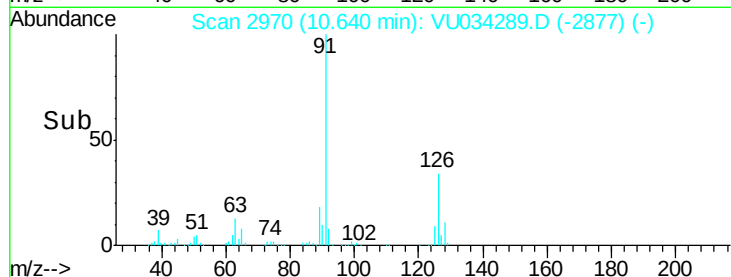
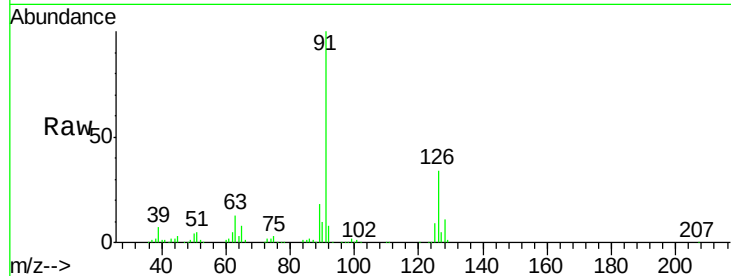
126 34.3 17.3 51.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.520 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034289.D

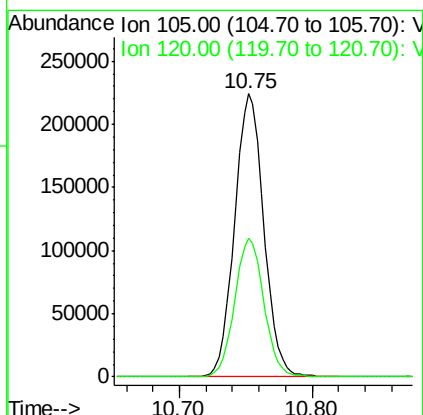
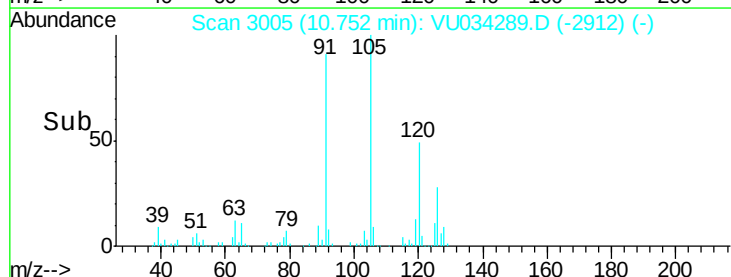
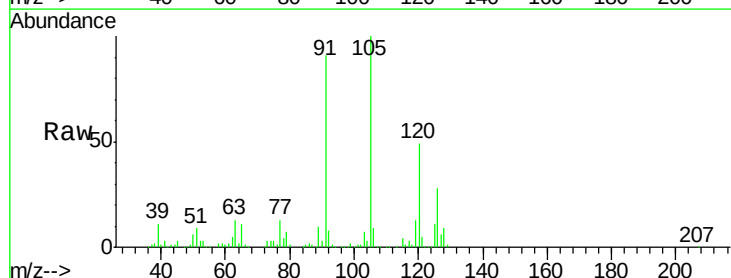
Acq: 05 Sep 2019 17:28

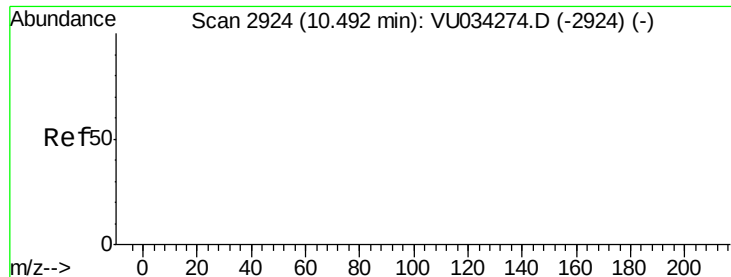
Tgt Ion: 105 Resp: 342458

Ion Ratio Lower Upper

105 100

120 49.1 24.9 74.7





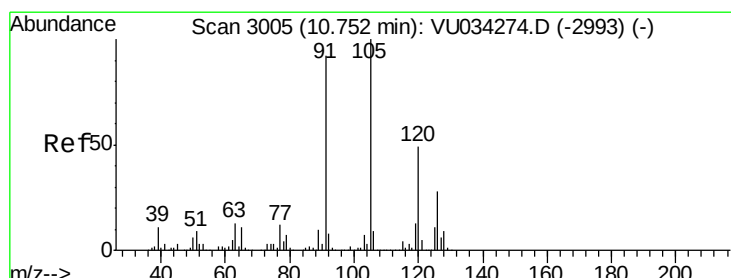
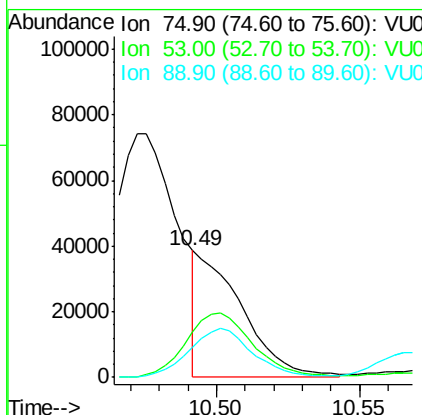
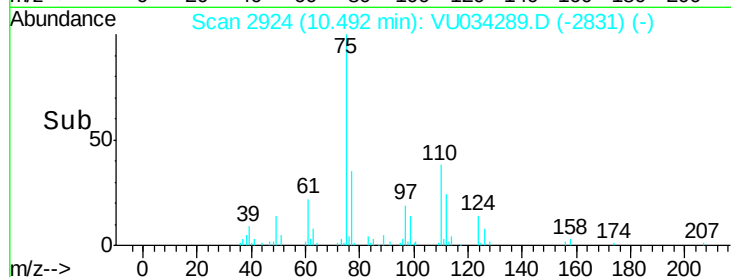
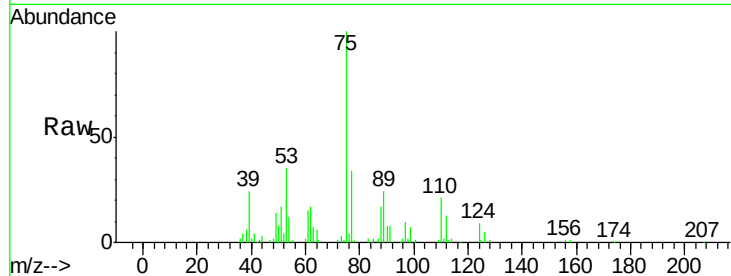
#81
trans-1,4-Dichloro-2-butene
Concen: 20.821 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS02

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

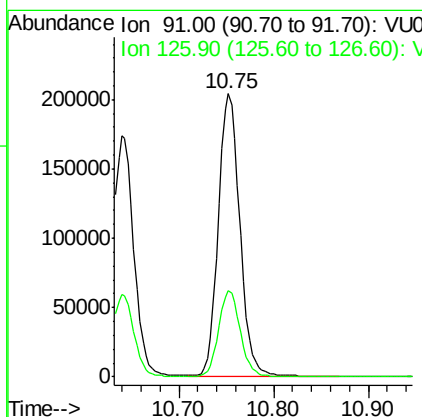
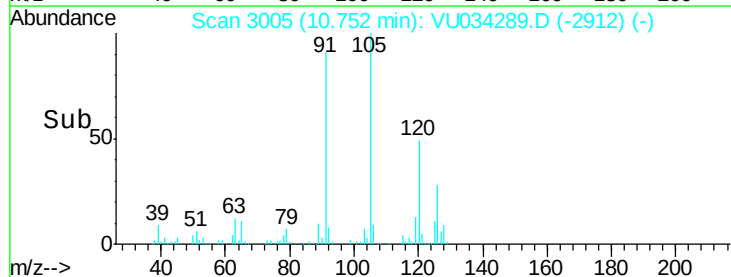
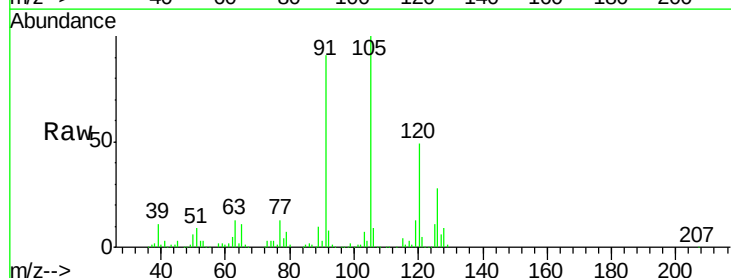
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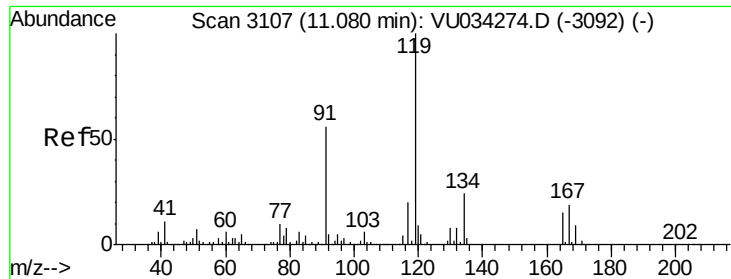
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.900 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.8





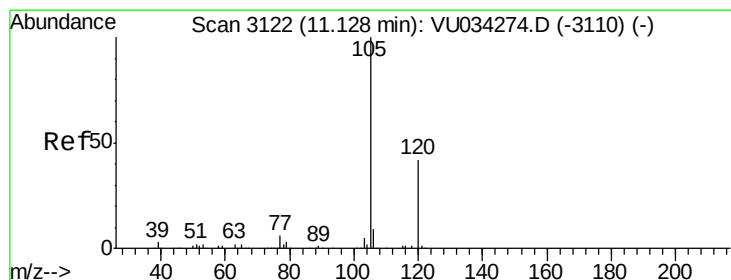
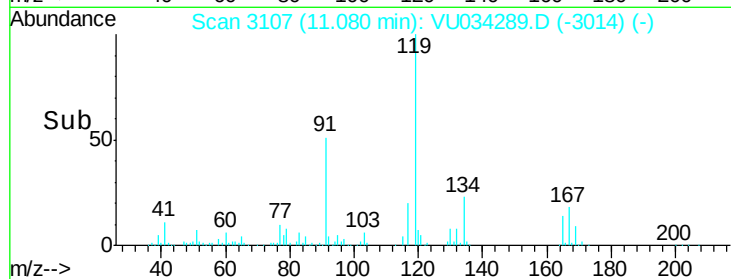
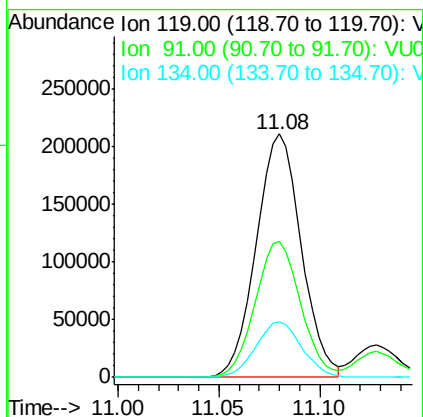
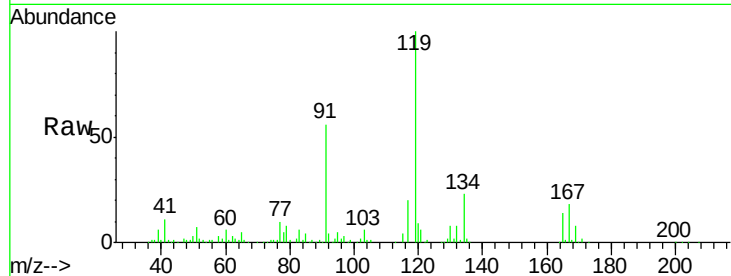
#83
 tert-Butylbenzene
 Concen: 19.676 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.2	27.8	83.4
134	23.3	11.7	35.0

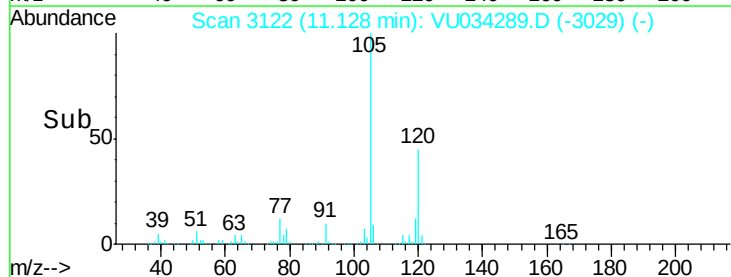
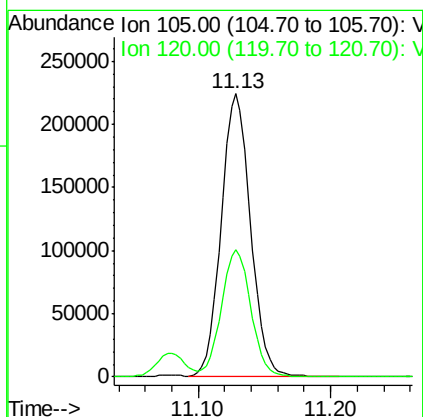
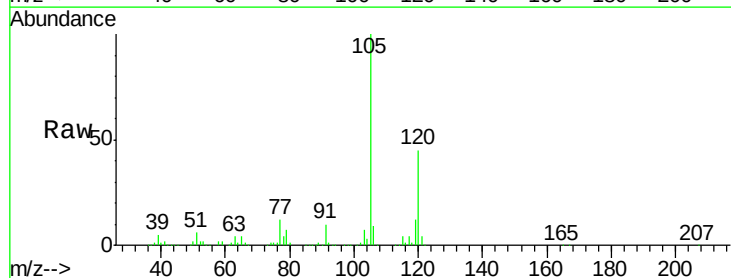
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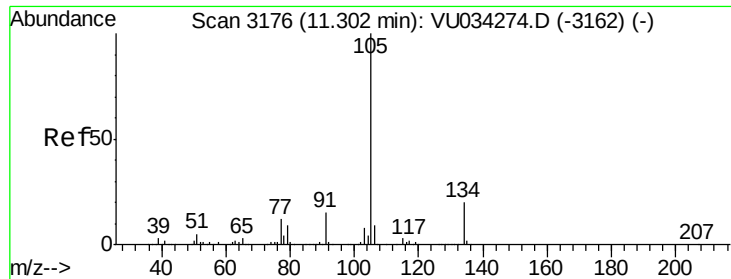
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.382 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.259 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS02

Tot Ion:105 Resp: 399308

Ion Ratio Lower Upper

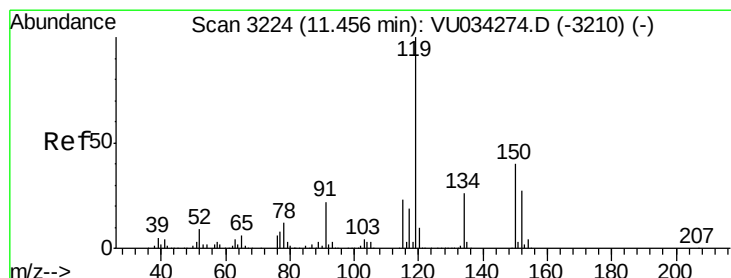
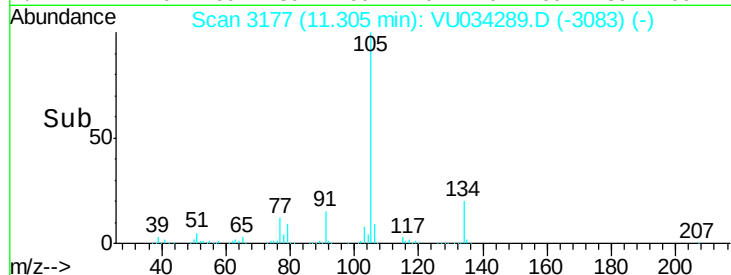
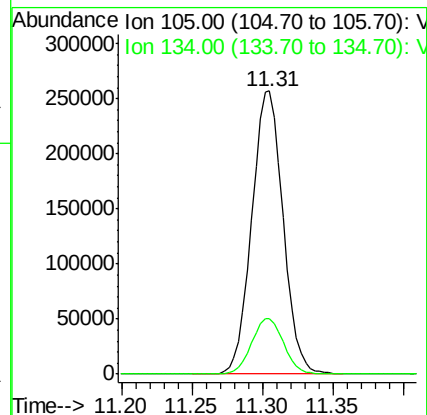
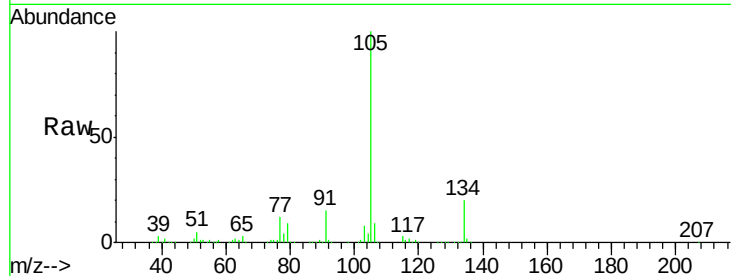
105 100

134 20.0 10.1 30.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.297 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

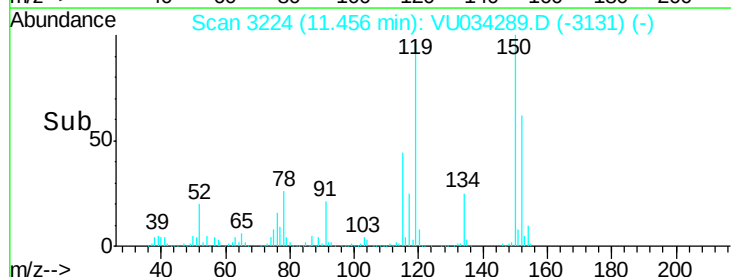
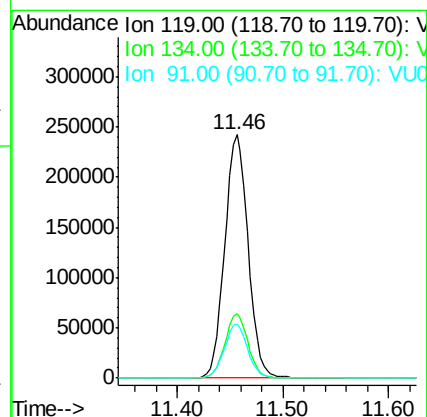
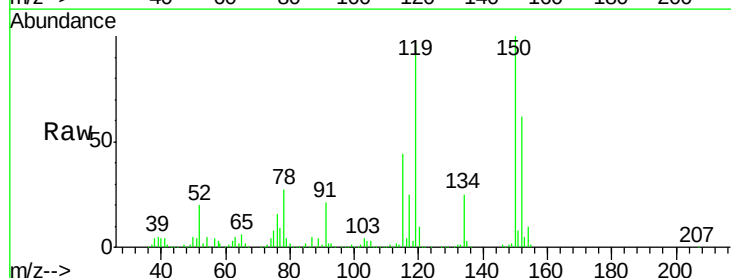
Tgt Ion:119 Resp: 369242

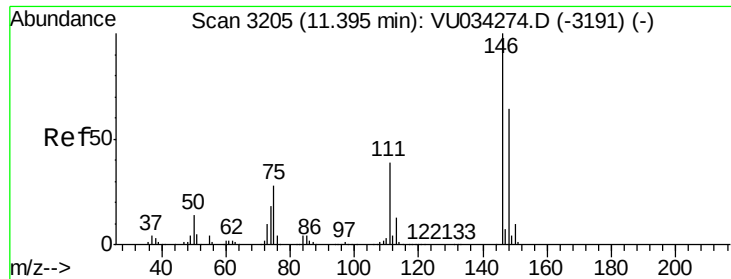
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 22.0 11.2 33.6





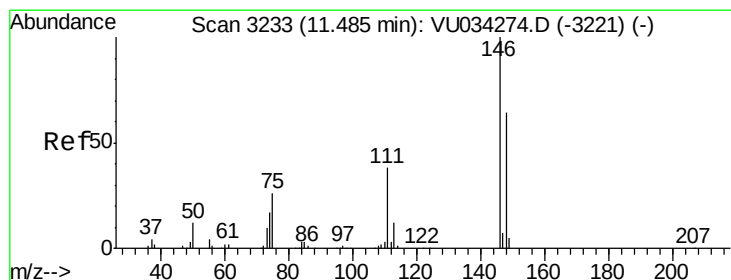
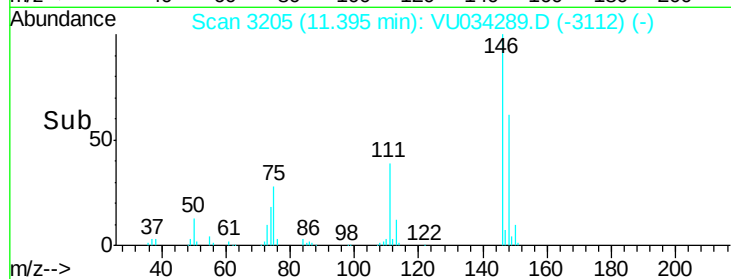
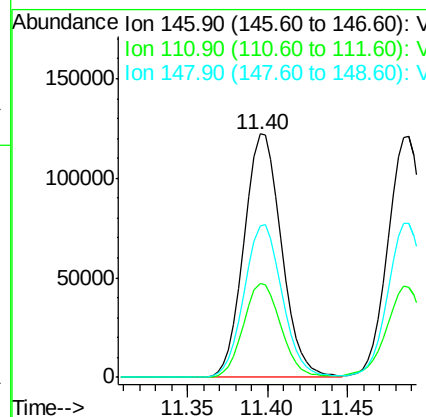
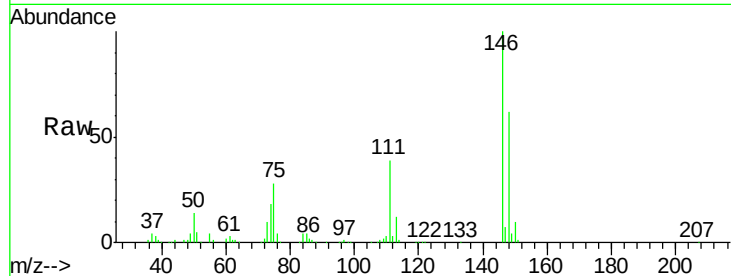
#87
 1,3-Dichlorobenzene
 Concen: 19.209 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.5	58.5
148	63.5	32.1	96.3

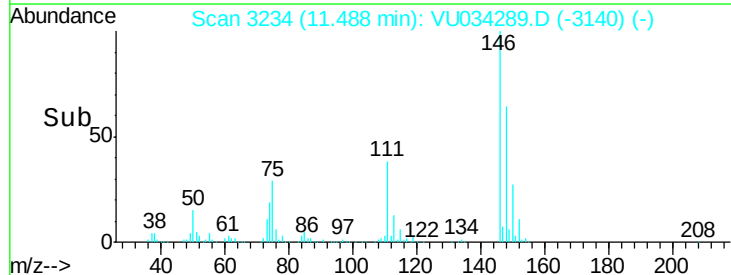
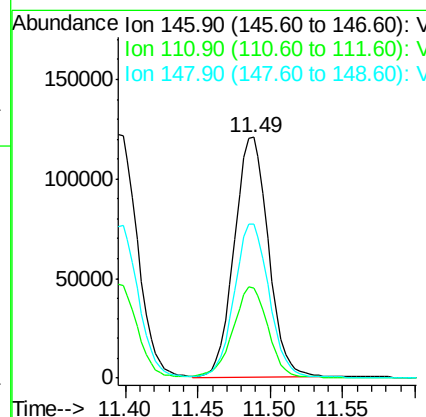
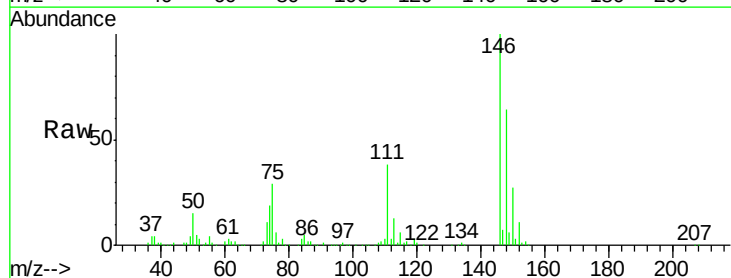
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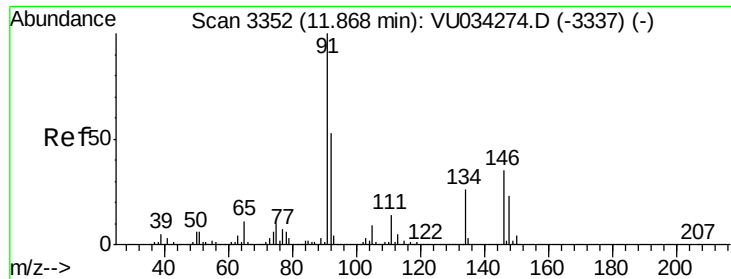
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#88
 1,4-Dichlorobenzene
 Concen: 18.504 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.3
148	65.9	32.0	96.0





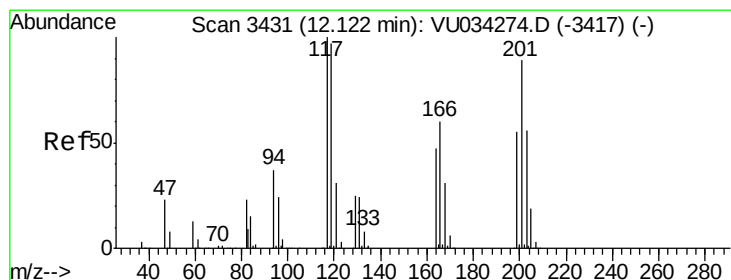
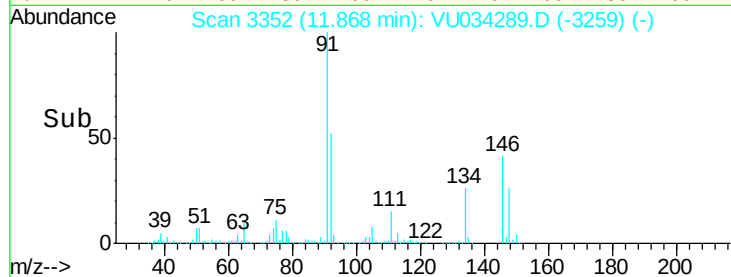
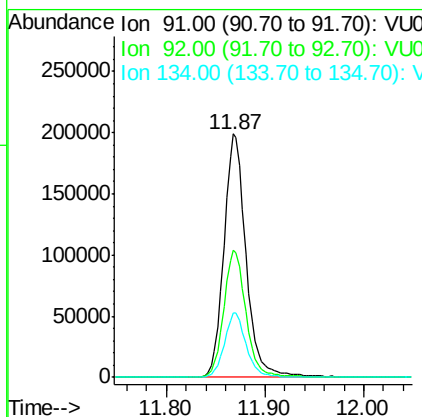
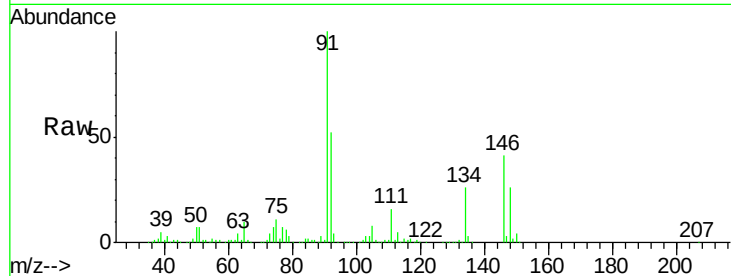
#89
n-Butylbenzene
Concen: 19.942 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.5	79.4
134	26.0	13.2	39.6

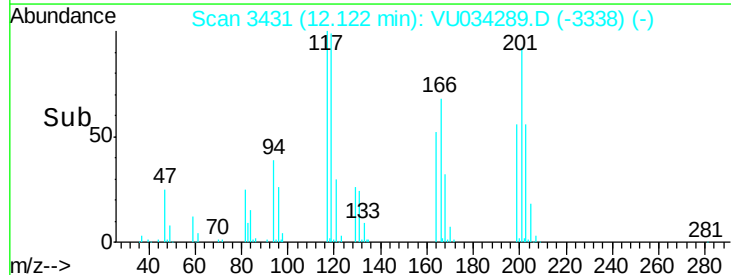
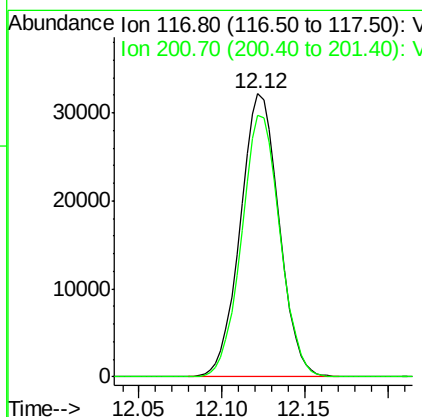
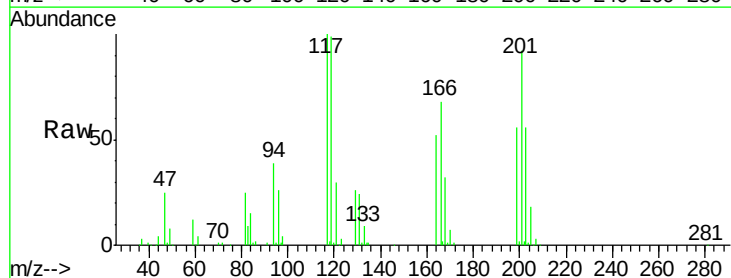
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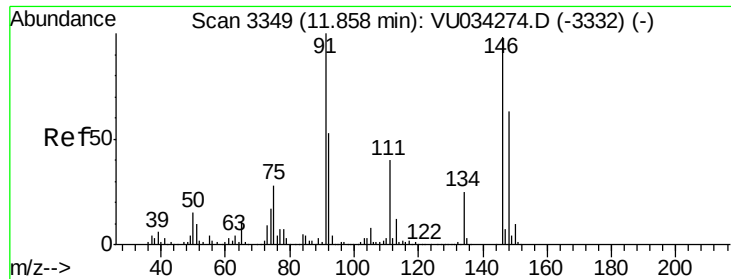
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#90
Hexachloroethane
Concen: 17.954 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034289.D
Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.5	44.1	132.4





#91

1,2-Dichlorobenzene

Concen: 18.817 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

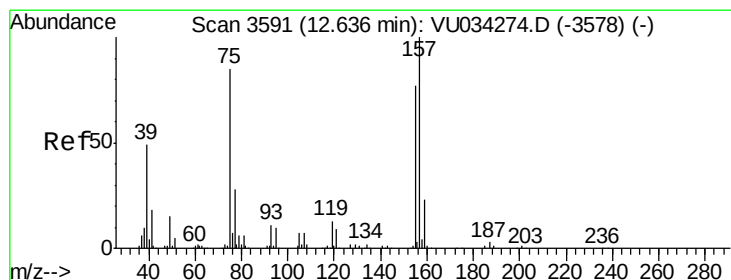
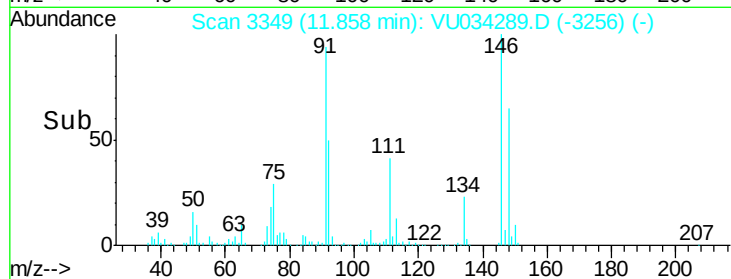
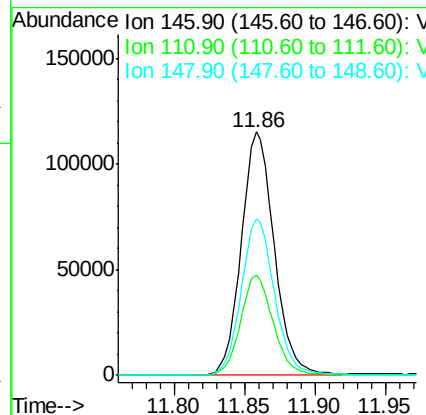
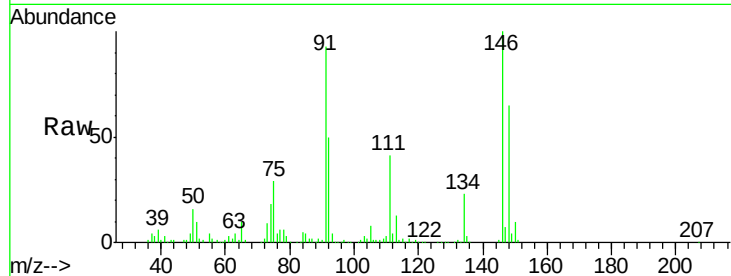
ClientSampleId :

VU0906WBS02

Tot Ion:	146	Resp:	188287
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.0	60.0
148	65.5	31.6	94.8

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.312 ug/l

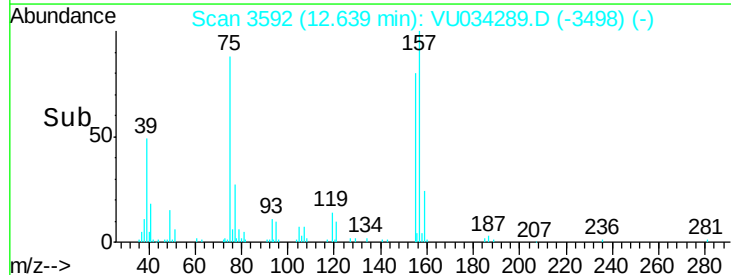
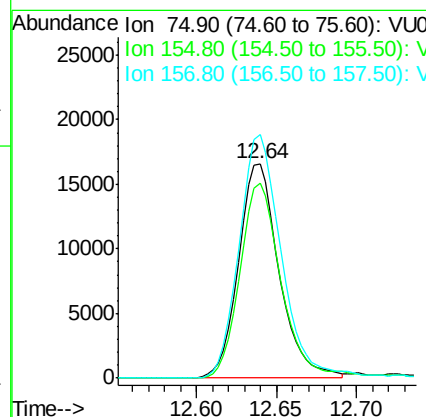
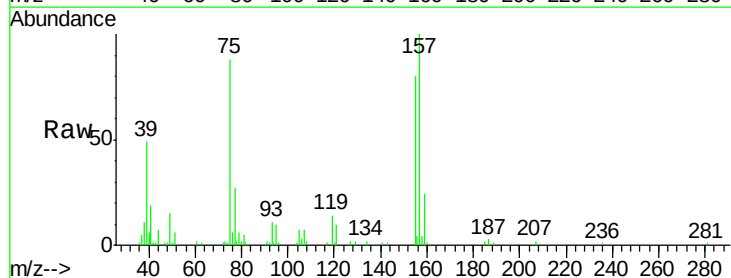
RT: 12.64 min Scan# 3592

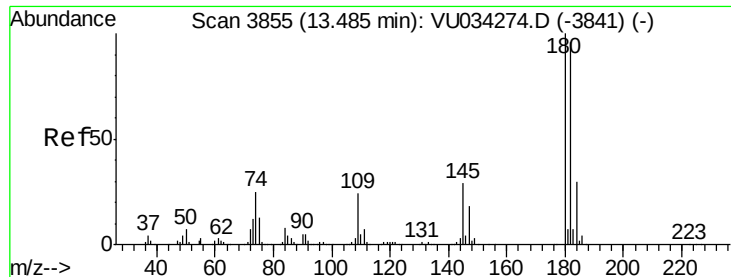
Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Tgt Ion:	75	Resp:	28664
Ion Ratio	Lower	Upper	
75	100		
155	92.5	44.6	134.0
157	118.6	58.2	174.6





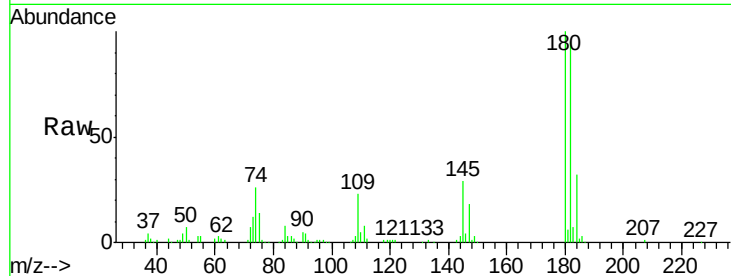
#93
 1,2,4-Trichlorobenzene
 Concen: 19.450 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS02

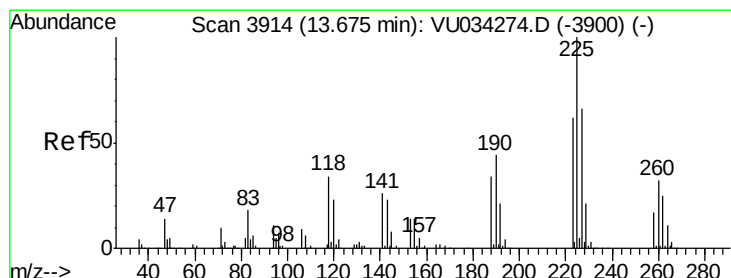
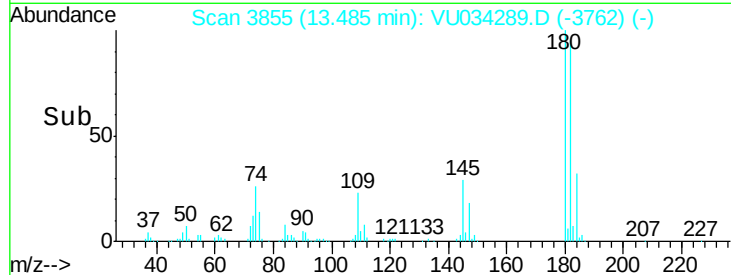
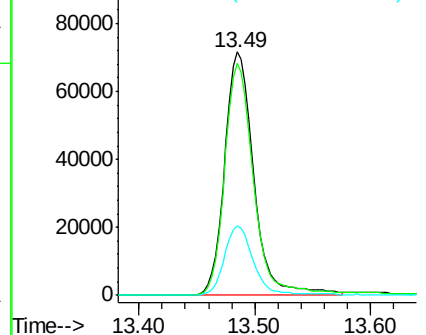
Tot Ion	Ratio	Resp	Lower	Upper
180	100	124707		
182	94.7	47.9	143.8	
145	28.8	14.4	43.0	

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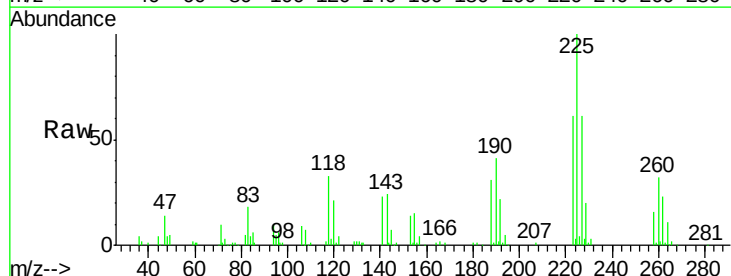


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

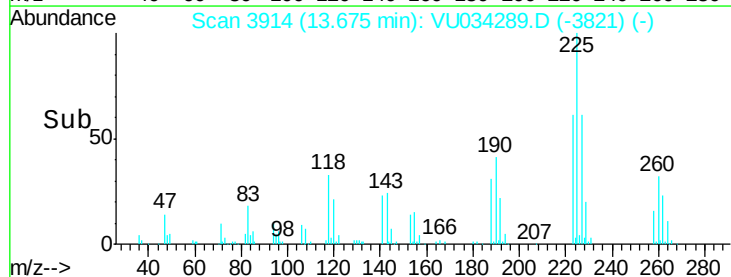
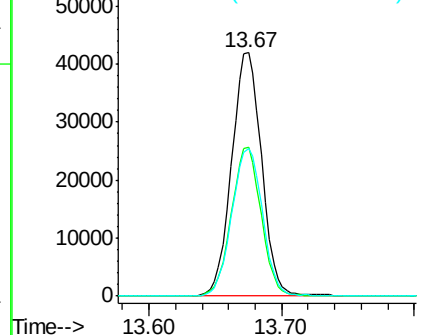


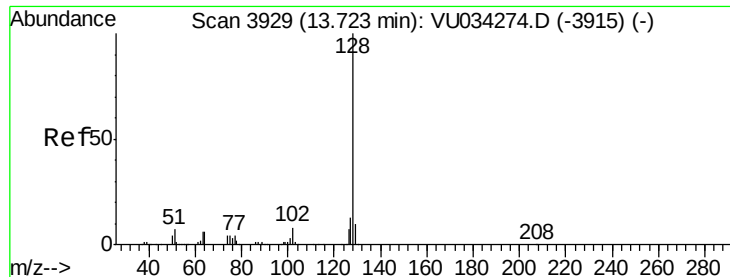
#94
 Hexachlorobutadiene
 Concen: 18.814 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034289.D
 Acq: 05 Sep 2019 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65851		
223	60.7	31.6	94.7	
227	61.9	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: 18.994 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Instrument :

MSVOA_U

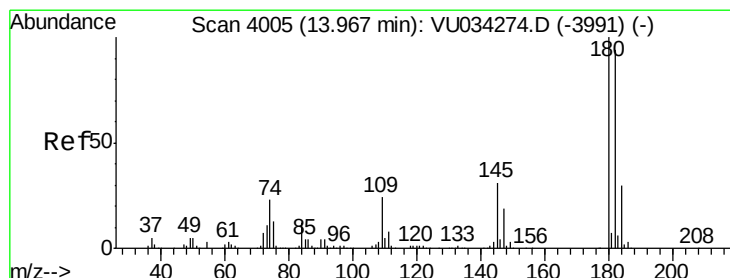
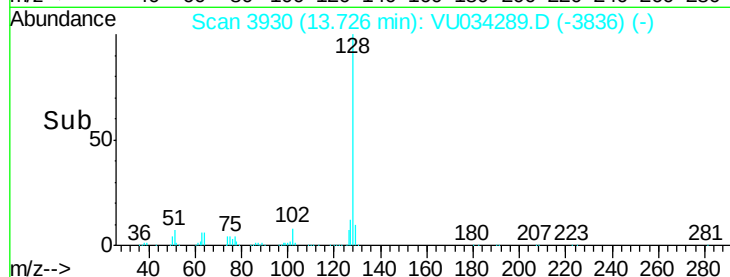
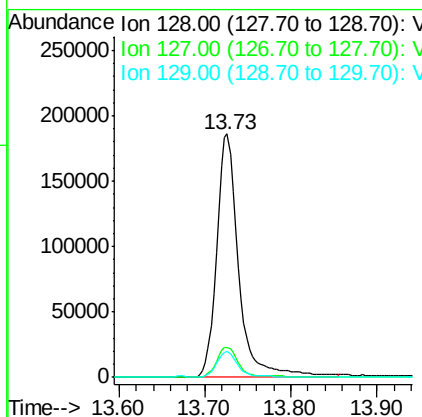
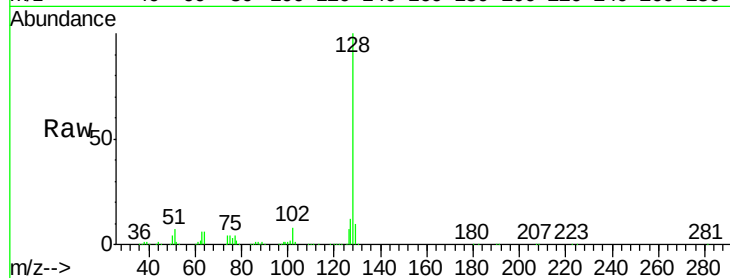
ClientSampleId :

VU0906WBS02

Tot Ion:	128	Resp:	333575
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.6	15.8
129	10.3	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:22:12 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.414 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034289.D

Acq: 05 Sep 2019 17:28

Tgt Ion:	180	Resp:	124141
Ion Ratio	Lower	Upper	
180	100		
182	93.6	48.4	145.0
145	30.2	15.4	46.4

