

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090319\
 Data File : VU034211.D
 Acq On : 02 Sep 2019 18:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 1:09:43 PM

Quant Time: Sep 03 07:29:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	234367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	435769	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	401251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	200406	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	233003	77.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	155.18%	
35) Dibromofluoromethane	4.86	113	189664	62.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.50%	
50) Toluene-d8	7.55	98	558137	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	10.29	95	209485	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	78146	33.154	ug/l	99
3) Chloromethane	1.32	50	200630	64.335	ug/l	99
4) Vinyl Chloride	1.40	62	166865	53.190	ug/l	99
5) Bromomethane	1.61	94	111648	77.083	ug/l	99
6) Chloroethane	1.68	64	120229	62.687	ug/l	100
7) Trichlorofluoromethane	1.87	101	148716	40.912	ug/l	99
8) Diethyl Ether	2.09	74	129299	83.150	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	84051	36.500	ug/l	99
10) Methyl Iodide	2.40	142	126566	38.745	ug/l	99
11) Tert butyl alcohol	2.81	59	276104	398.697	ug/l	99
12) 1,1-Dichloroethene	2.27	96	123317	52.559	ug/l	99
13) Acrolein	2.18	56	78656	269.996	ug/l	99
14) Allyl chloride	2.58	41	298894m	67.756	ug/l	
15) Acrylonitrile	2.92	53	711082	447.472	ug/l	100
16) Acetone	2.31	43	583405	380.742	ug/l	100
17) Carbon Disulfide	2.46	76	324263	43.667	ug/l	100
18) Methyl Acetate	2.60	43	339905	85.841	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	673098	87.557	ug/l	100
20) Methylene Chloride	2.68	84	214660	74.001	ug/l	100
21) trans-1,2-Dichloroethene	2.96	96	147535	57.939	ug/l	99
22) Diisopropyl ether	3.55	45	667966	82.634	ug/l	99
23) Vinyl Acetate	3.50	43	2956522	425.772	ug/l	99
24) 1,1-Dichloroethane	3.42	63	340305	71.307	ug/l	100
25) 2-Butanone	4.23	43	930765	436.607	ug/l	99
26) 2,2-Dichloropropane	4.20	77	179930	46.335	ug/l	96
27) cis-1,2-Dichloroethene	4.20	96	198769	69.546	ug/l	95
28) Bromochloromethane	4.52	49	189167	80.454	ug/l	98
29) Tetrahydrofuran	4.61	42	598521	455.257	ug/l	99
30) Chloroform	4.65	83	331397	69.599	ug/l	98
31) Cyclohexane	4.97	56	150102	33.472	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	212335	54.449	ug/l	99
36) 1,1-Dichloropropene	5.12	75	155689	37.772	ug/l	99
37) Ethyl Acetate	4.36	43	337504	73.121	ug/l	100
38) Carbon Tetrachloride	5.11	117	155215	39.012	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090319\
 Data File : VU034211.D
 Acq On : 02 Sep 2019 18:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 1:09:43 PM

Quant Time: Sep 03 07:29:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	136639	28.126	ug/l	99
40) Benzene	5.37	78	672383	53.917	ug/l	100
41) Methacrylonitrile	4.52	41	184016	77.736	ug/l	99
42) 1,2-Dichloroethane	5.38	62	284301	66.019	ug/l	99
43) Isopropyl Acetate	5.53	43	516189	73.509	ug/l	99
44) Trichloroethene	6.16	130	153745	46.948	ug/l	99
45) 1,2-Dichloropropane	6.41	63	212494	61.900	ug/l	98
46) Dibromomethane	6.54	93	145006	65.564	ug/l	98
47) Bromodichloromethane	6.74	83	270566	62.528	ug/l	98
48) Methyl methacrylate	6.60	41	245356	72.408	ug/l	98
49) 1,4-Dioxane	6.59	88	107135	1261.875	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1770135	365.014	ug/l	99
52) Toluene	7.62	92	366977	47.770	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	285802	59.526	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	307624	58.646	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	211446	65.070	ug/l	99
56) Ethyl methacrylate	8.00	69	336624	62.211	ug/l	99
57) 1,3-Dichloropropane	8.22	76	354952	64.332	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	624717	347.504	ug/l	100
59) 2-Hexanone	8.34	43	1334983	364.656	ug/l	100
60) Dibromochloromethane	8.46	129	221626	63.537	ug/l	99
61) 1,2-Dibromoethane	8.57	107	218456	63.819	ug/l	99
64) Tetrachloroethene	8.21	164	112037	41.577	ug/l	98
65) Chlorobenzene	9.10	112	408108	49.424	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	168430	56.252	ug/l	100
67) Ethyl Benzene	9.23	91	598939	42.790	ug/l	99
68) m/p-Xylenes	9.36	106	466934	87.731	ug/l	99
69) o-Xylene	9.76	106	242661	47.523	ug/l	99
70) Styrene	9.77	104	451838	51.608	ug/l	100
71) Bromoform	9.94	173	172714	66.391	ug/l #	99
73) Isopropylbenzene	10.15	105	552986	41.080	ug/l	100
74) N-amyl acetate	9.99	43	419277	74.056	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	367535	71.335	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	308432m	68.286	ug/l	
77) Bromobenzene	10.43	156	191215	52.806	ug/l	99
78) n-propylbenzene	10.57	91	621660	39.655	ug/l	99
79) 2-Chlorotoluene	10.64	91	422705	44.954	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	493127	43.222	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	75600m	56.359	ug/l	
82) 4-Chlorotoluene	10.75	91	480687	44.450	ug/l	100
83) tert-Butylbenzene	11.08	119	455057	40.516	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	512134	45.205	ug/l	99
85) sec-Butylbenzene	11.30	105	500272	37.163	ug/l	100
86) p-Isopropyltoluene	11.46	119	471790	38.751	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	300167	46.823	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	299669	46.222	ug/l	100
89) n-Butylbenzene	11.87	91	400948	37.353	ug/l	100
90) Hexachloroethane	12.12	117	72905	34.635	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	316437	51.529	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	75794	73.842	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090319\
Data File : VU034211.D
Acq On : 02 Sep 2019 18:42
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
9/3/2019 1:09:43 PM

Quant Time: Sep 03 07:29:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	192593	44.224	ug/l	99
94) Hexachlorobutadiene	13.67	225	76641	31.903	ug/l	99
95) Naphthalene	13.72	128	742856	59.050	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	207262	52.687	ug/l	100

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

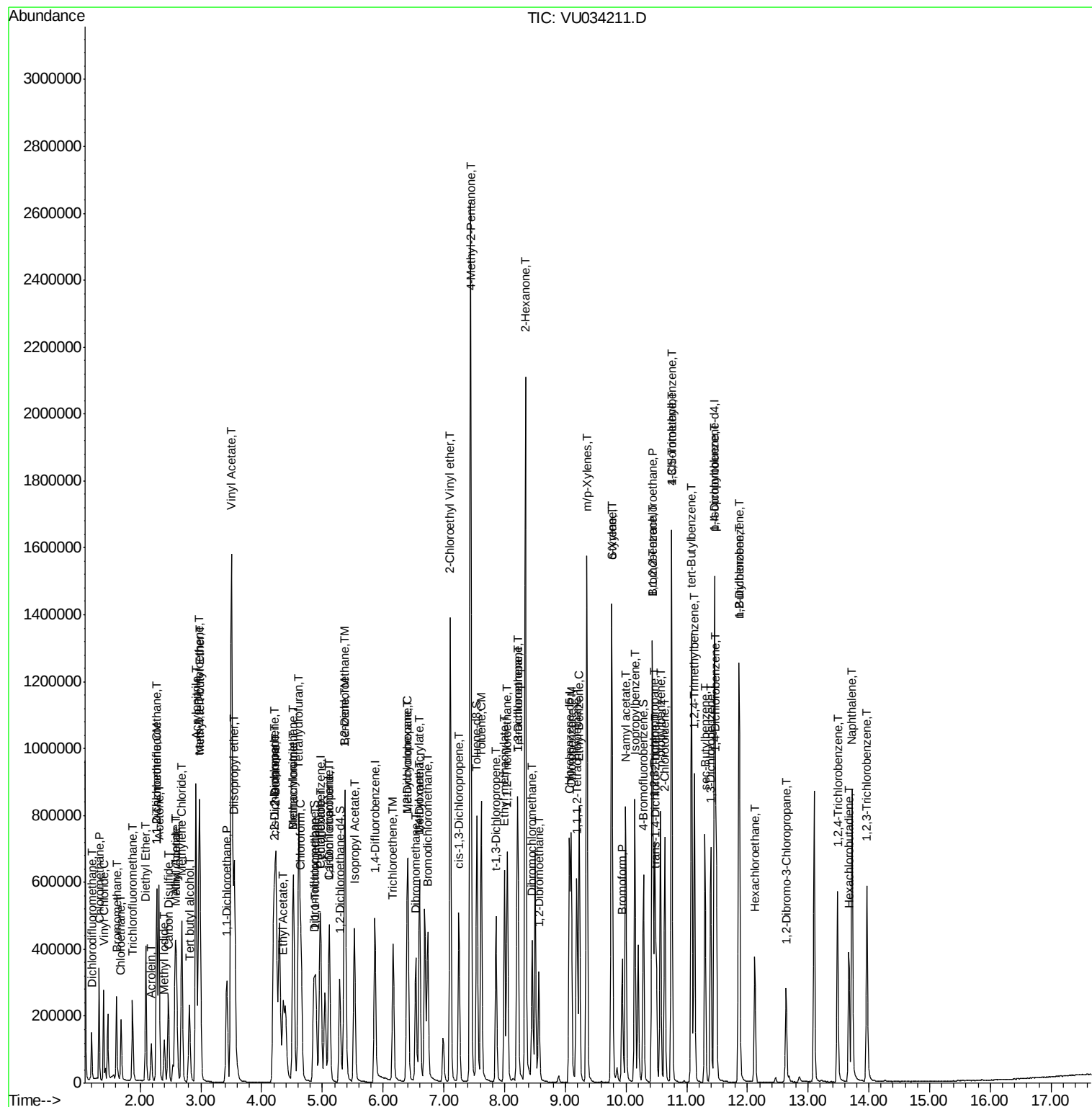
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090319\
Data File : VU034211.D
Acq On : 02 Sep 2019 18:42
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 26 Sample Multiplier: 1

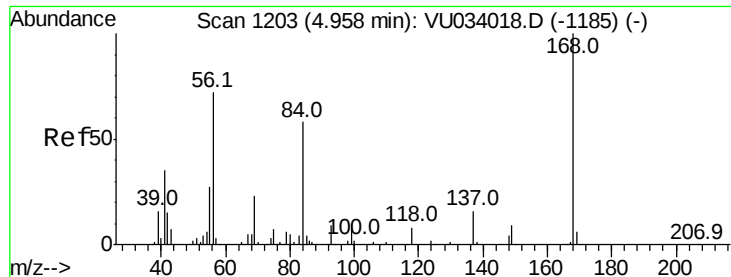
Instrument :
MSVOA_U
ClientSampleID :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
9/3/2019 1:09:43 PM

Quant Time: Sep 03 07:29:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 234367

Ion Ratio Lower Upper

168 100

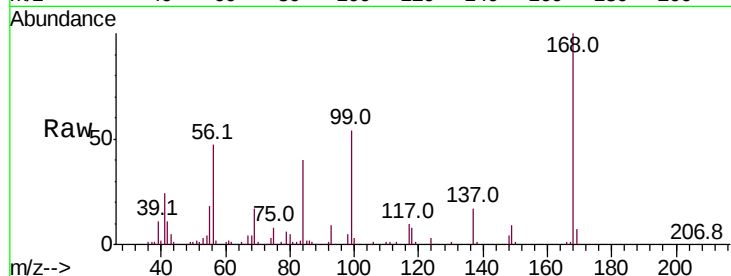
99 53.4 42.3 63.5

Manual Integrations

APPROVED

MMDadoda

9/3/2019 1:09:43 PM



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

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

120000

100000

80000

60000

40000

20000

0

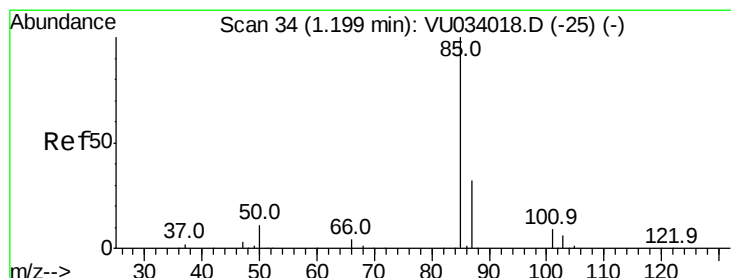
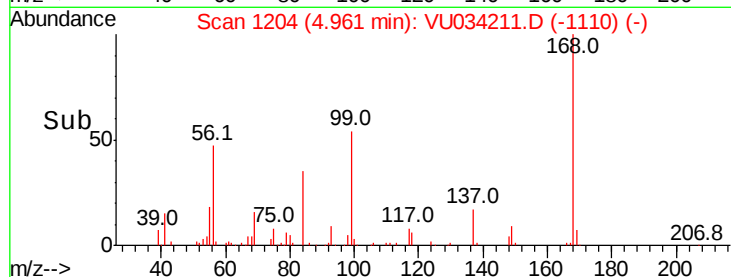
4.90

4.96

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 33.154 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034211.D

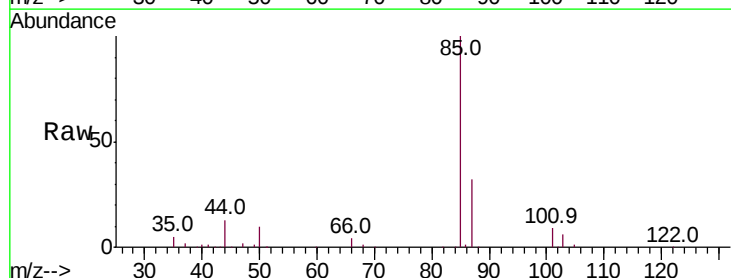
Acq: 02 Sep 2019 18:42

Tgt Ion: 85 Resp: 78146

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.3



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

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

80000

60000

40000

20000

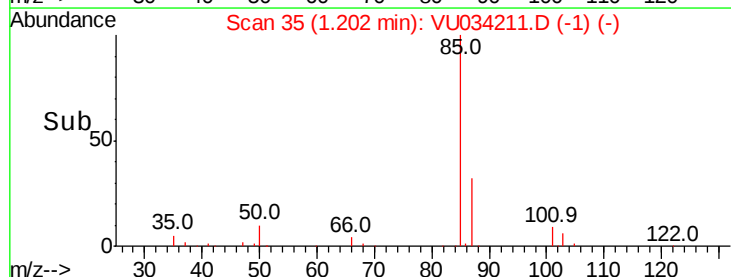
0

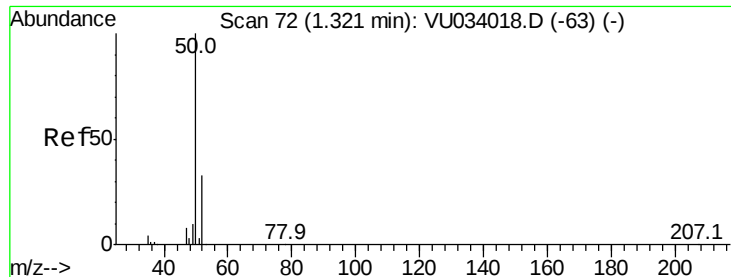
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 64.335 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 200630

Ion Ratio Lower Upper

50 100

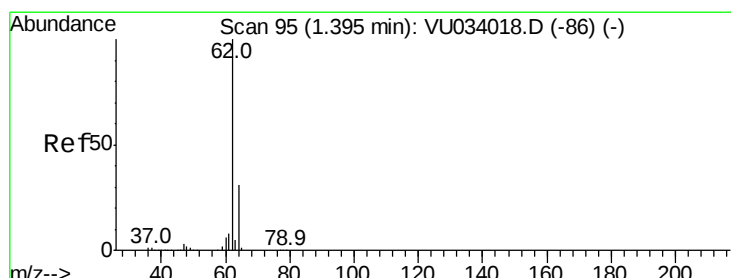
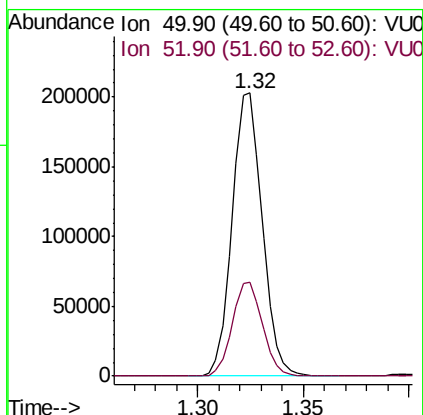
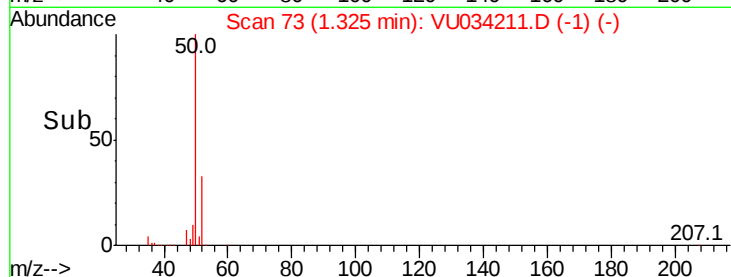
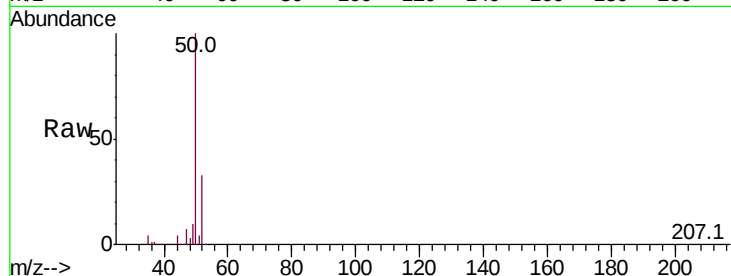
52 33.4 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

9/3/2019 1:09:43 PM



#4

Vinyl Chloride

Concen: 53.190 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034211.D

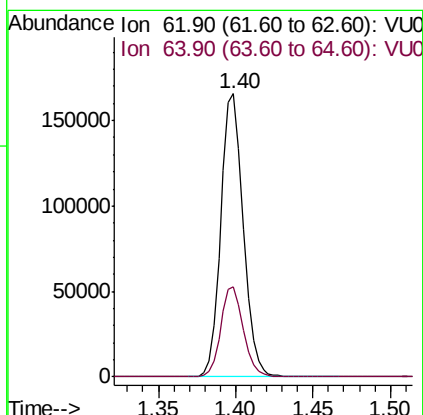
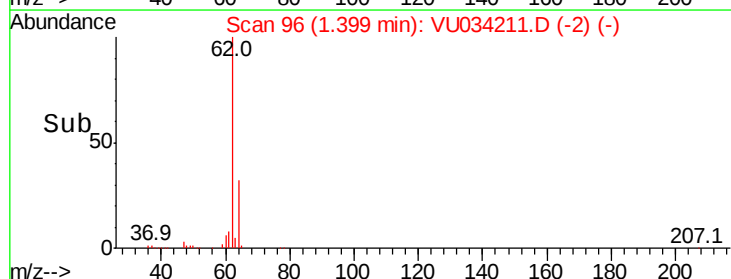
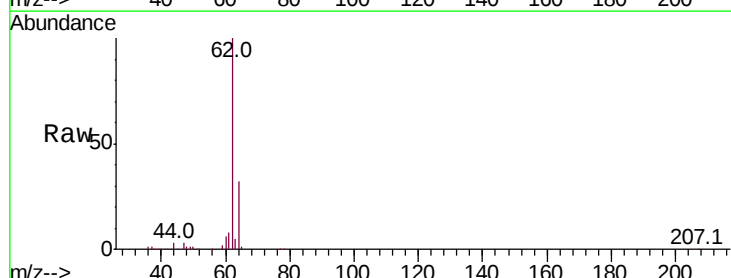
Acq: 02 Sep 2019 18:42

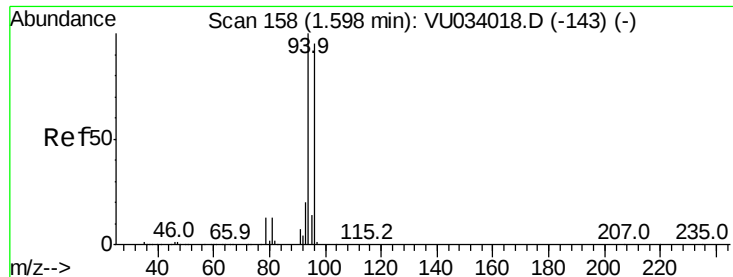
Tgt Ion: 62 Resp: 166865

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.6





#5

Bromomethane

Concen: 77.083 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 111648

Ion Ratio Lower Upper

94 100

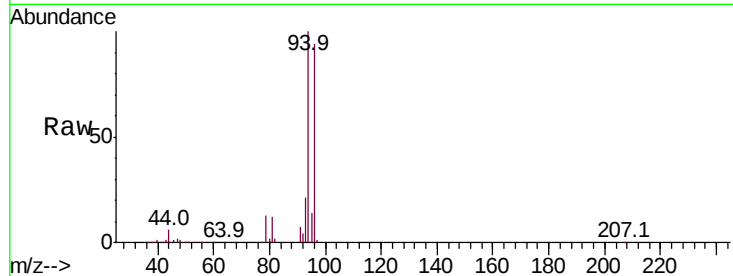
96 94.6 76.3 114.5

Manual Integrations

APPROVED

MMDadoda

9/3/2019 1:09:43 PM

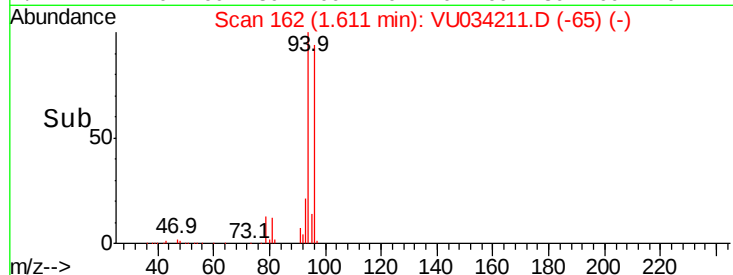


Abundance Ion 93.90 (93.60 to 94.60): VU034211.D (-162) (-)

Ion 95.90 (95.60 to 96.60): VU034211.D (-162) (-)

1.61

Time-->



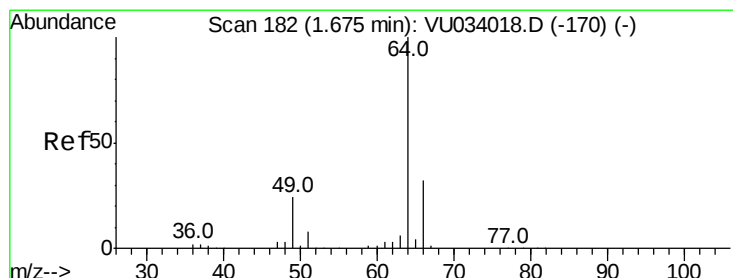
Abundance

Ion 93.90 (93.60 to 94.60): VU034211.D (-162) (-)

Ion 95.90 (95.60 to 96.60): VU034211.D (-162) (-)

1.61

Time-->



#6

Chloroethane

Concen: 62.687 ug/l

RT: 1.68 min Scan# 185

Delta R.T. 0.01 min

Lab File: VU034211.D

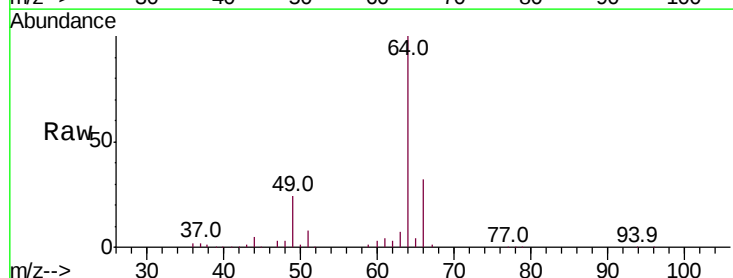
Acq: 02 Sep 2019 18:42

Tgt Ion: 64 Resp: 120229

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3

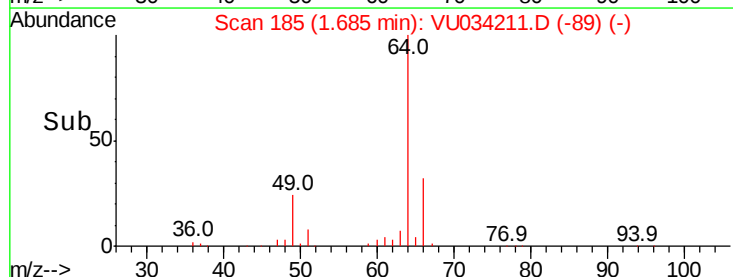


Abundance Ion 63.90 (63.60 to 64.60): VU034211.D (-185) (-)

Ion 65.90 (65.60 to 66.60): VU034211.D (-185) (-)

1.68

Time-->



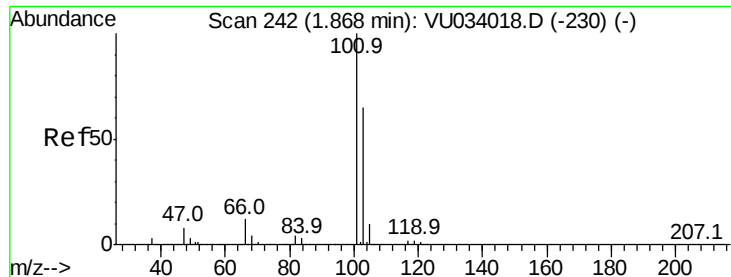
Abundance

Ion 63.90 (63.60 to 64.60): VU034211.D (-185) (-)

Ion 65.90 (65.60 to 66.60): VU034211.D (-185) (-)

1.68

Time-->



#7

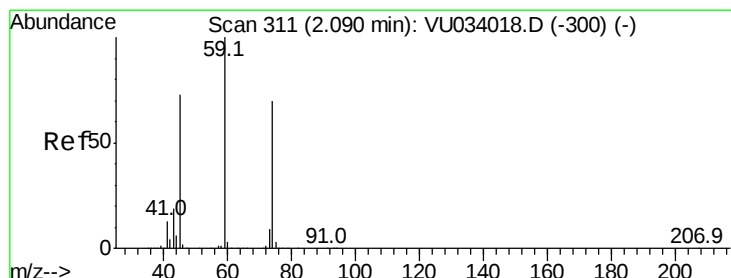
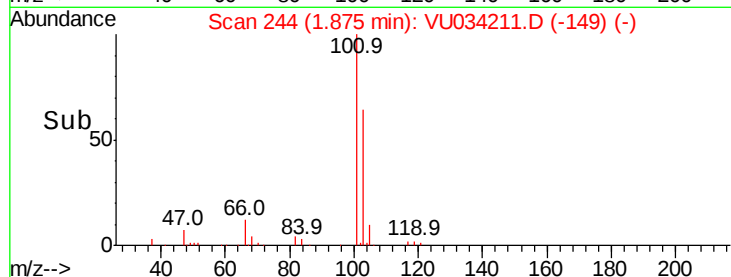
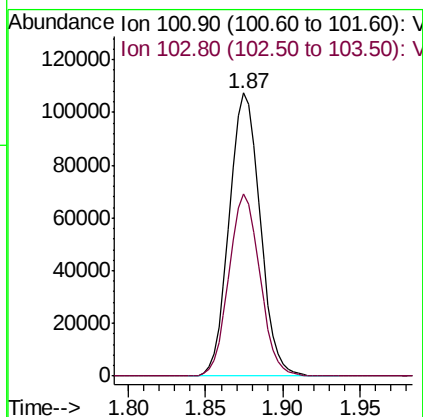
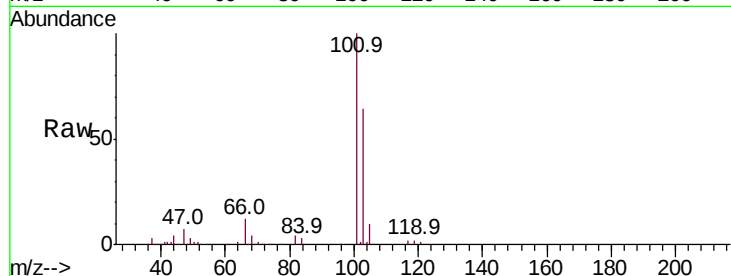
Trichlorofluoromethane
Concen: 40.912 ug/l
RT: 1.87 min Scan# 244
Delta R.T. 0.01 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	148716		
103	64.3	52.1	78.1	

Manual Integrations
APPROVED

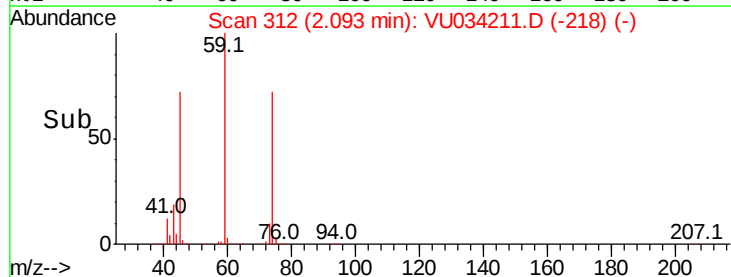
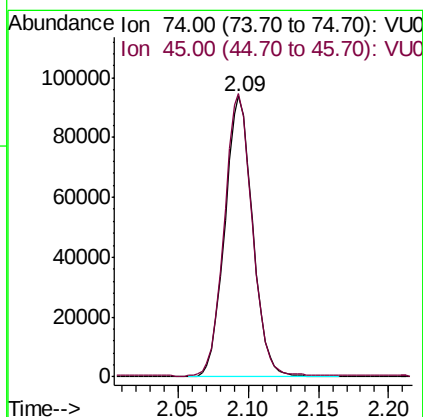
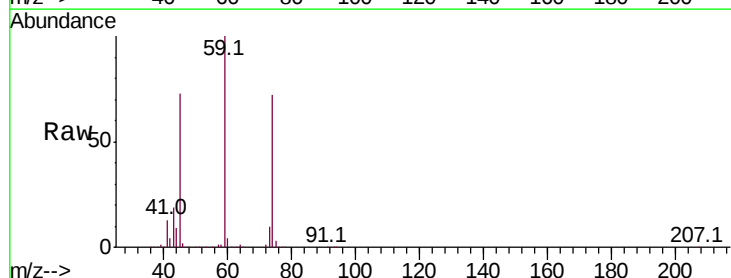
MMDadoda
9/3/2019 1:09:43 PM

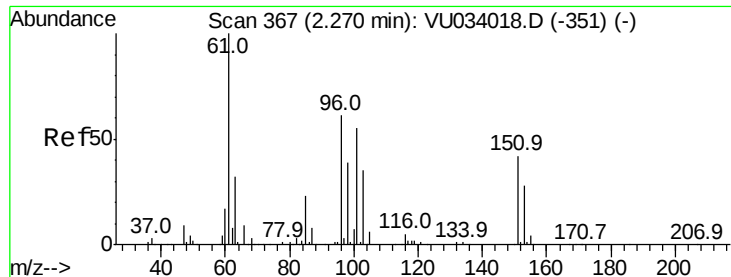


#8

Diethyl Ether
Concen: 83.150 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	129299		
45	100.6	51.8	155.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 36.500 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

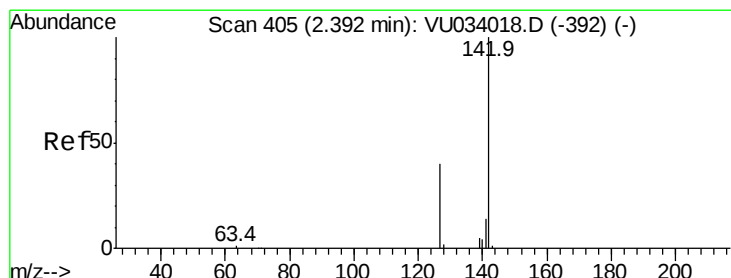
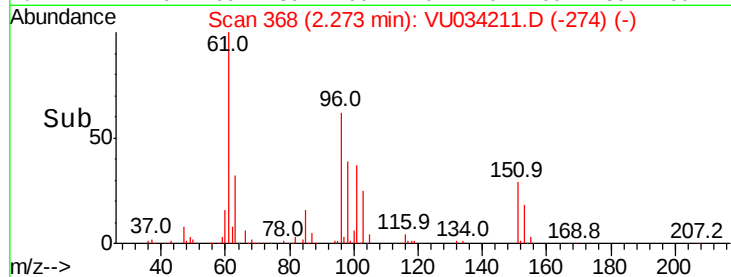
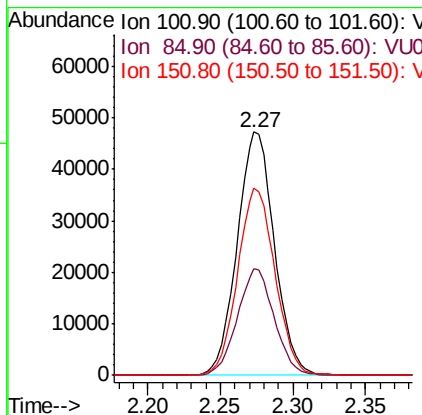
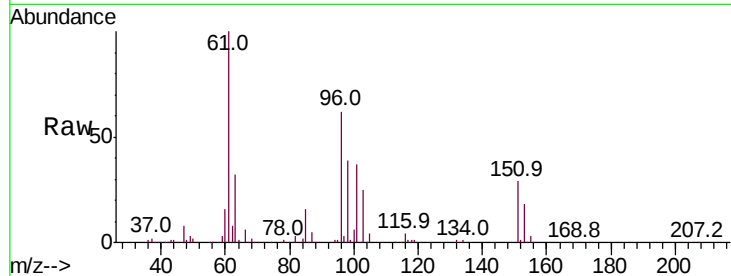
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	84051
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.2	51.2
151	77.4	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
9/3/2019 1:09:43 PM



#10

Methyl Iodide

Concen: 38.745 ug/l

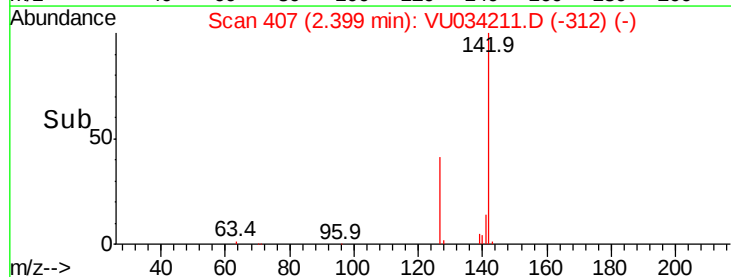
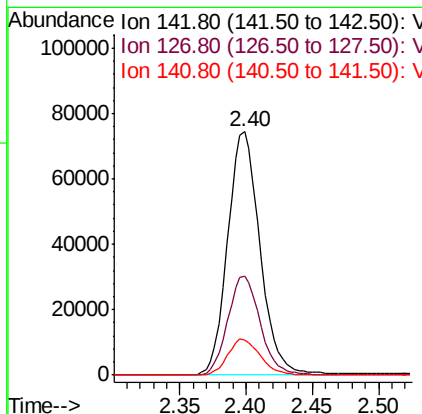
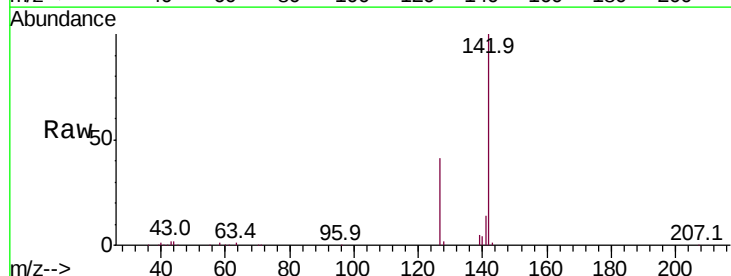
RT: 2.40 min Scan# 407

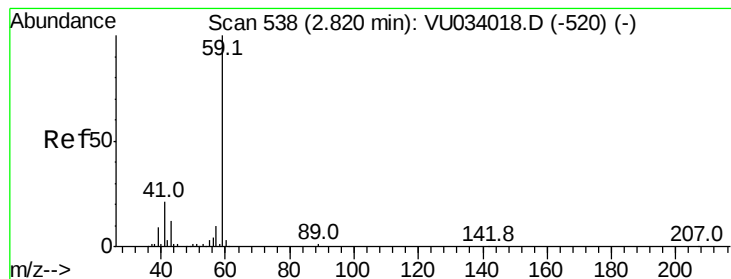
Delta R.T. 0.01 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Tgt Ion:	142	Resp:	126566
Ion Ratio	Lower	Upper	
142	100		
127	40.6	32.6	48.8
141	14.8	11.3	16.9





#11

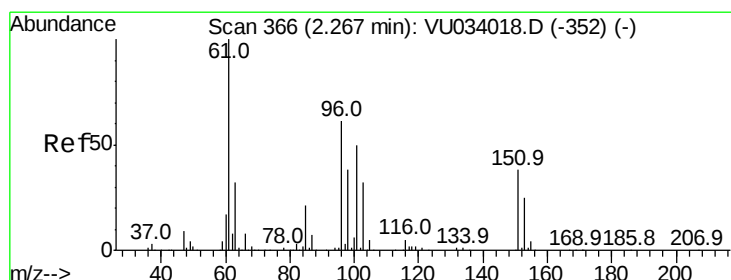
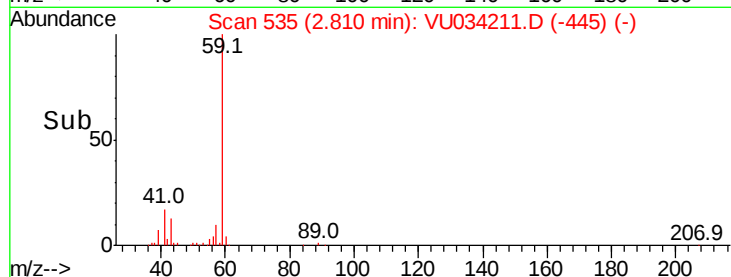
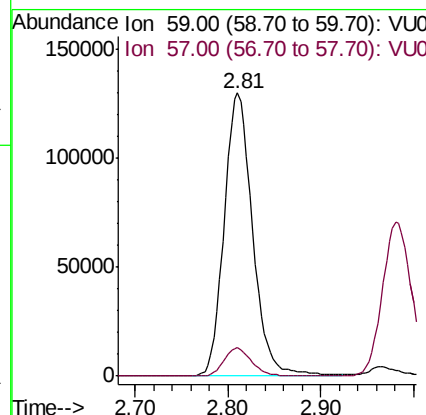
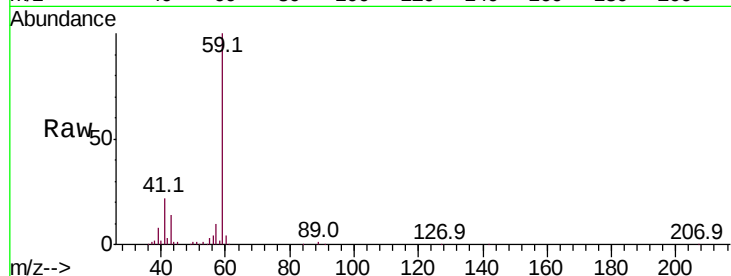
Tert butyl alcohol
Concen: 398.697 ug/l
RT: 2.81 min Scan# 535
Delta R.T. -0.01 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.0	12.0

Manual Integrations
APPROVED

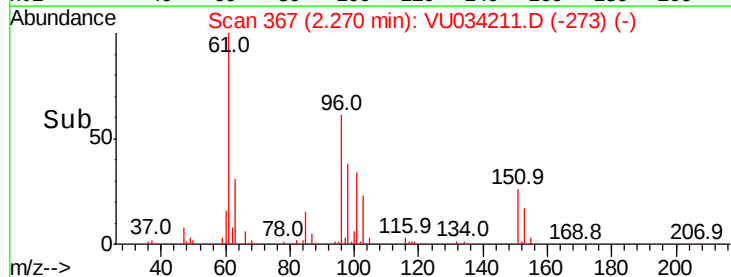
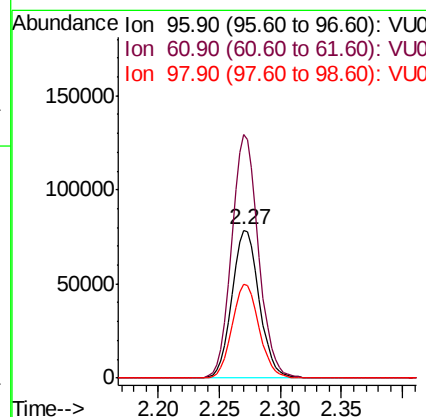
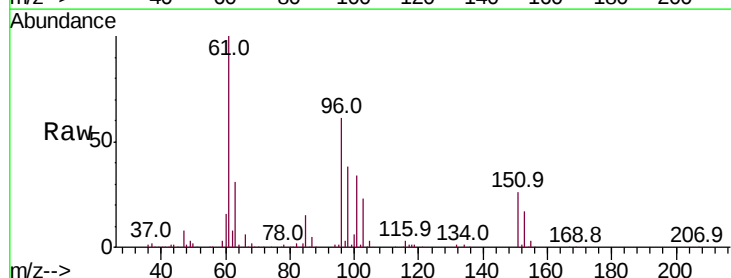
MMDadoda
9/3/2019 1:09:43 PM

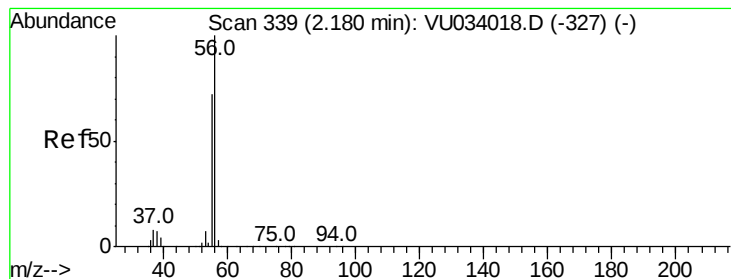


#12

1,1-Dichloroethene
Concen: 52.559 ug/l
RT: 2.27 min Scan# 367
Delta R.T. 0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.0	131.3	196.9
98	63.4	50.3	75.5





#13

Acrolein

Concen: 269.996 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 78656

Ion Ratio Lower Upper

56 100

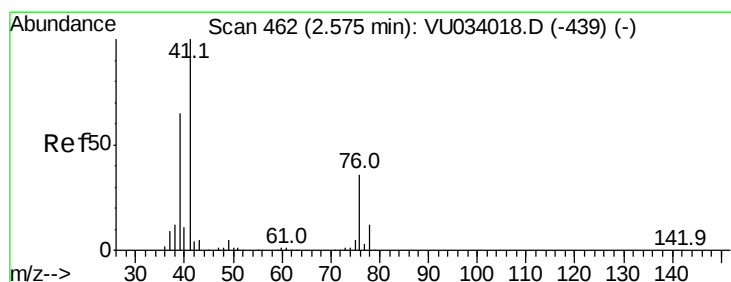
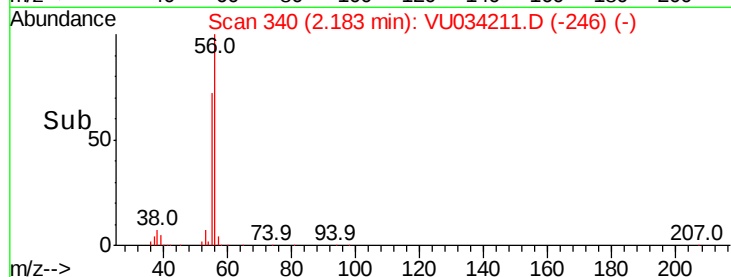
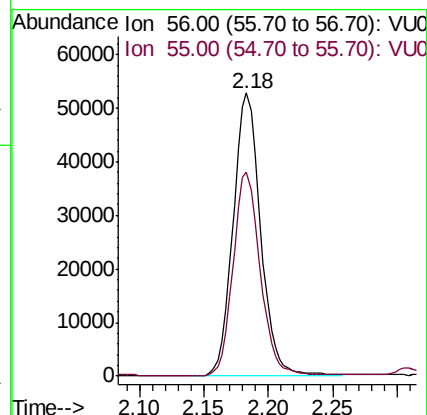
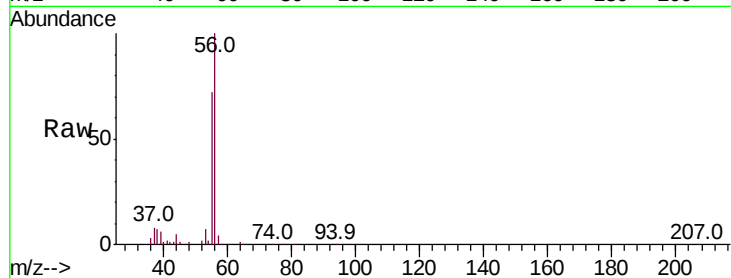
55 70.8 57.1 85.7

Manual Integrations

APPROVED

MMDadoda

9/3/2019 1:09:43 PM



#14

Allyl chloride

Concen: 67.756 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

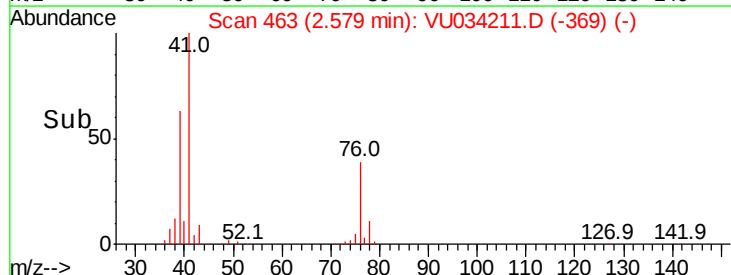
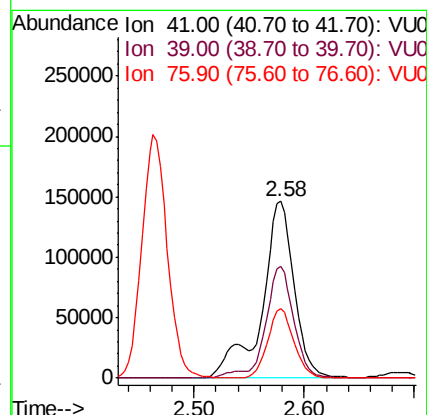
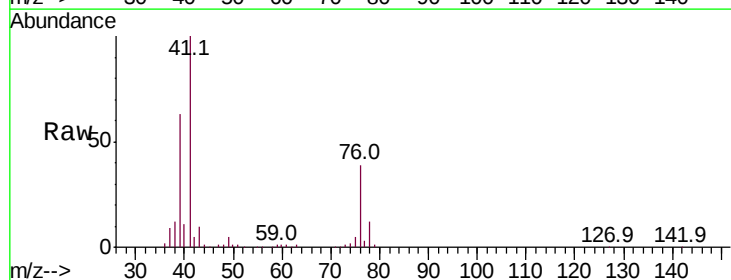
Tgt Ion: 41 Resp: 298894

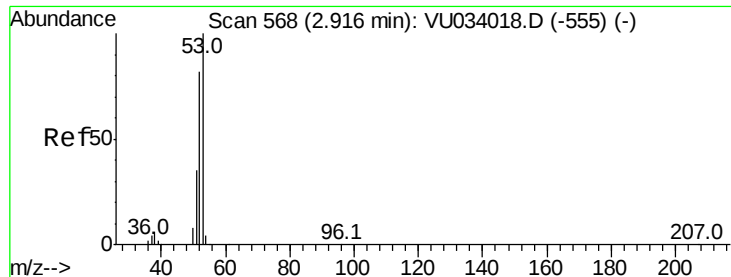
Ion Ratio Lower Upper

41 100

39 55.2 46.8 70.2

76 31.5 26.6 40.0





#15

Acrylonitrile

Concen: 447.472 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

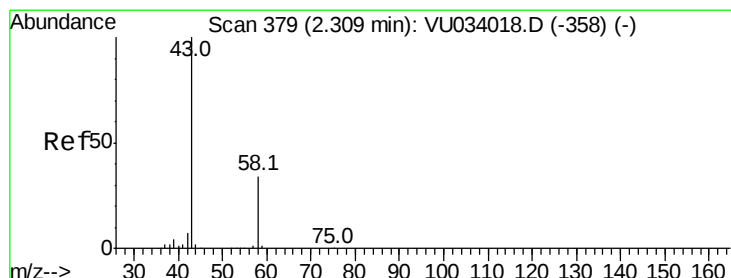
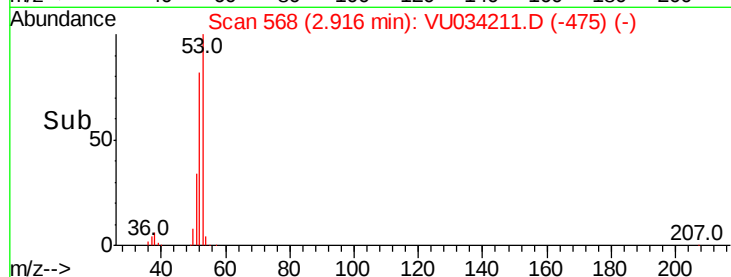
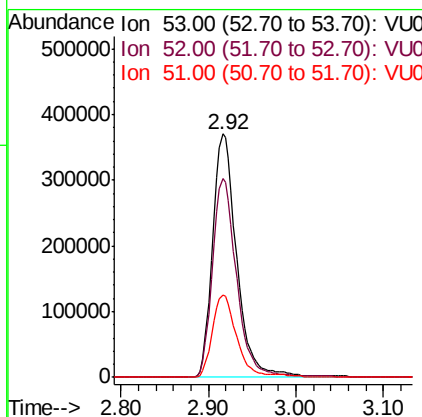
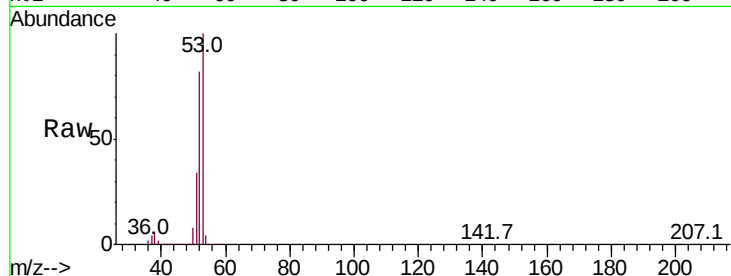
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	711082
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	34.8	27.9	41.9

Manual Integrations
APPROVED

MMDadoda
9/3/2019 1:09:43 PM



#16

Acetone

Concen: 380.742 ug/l

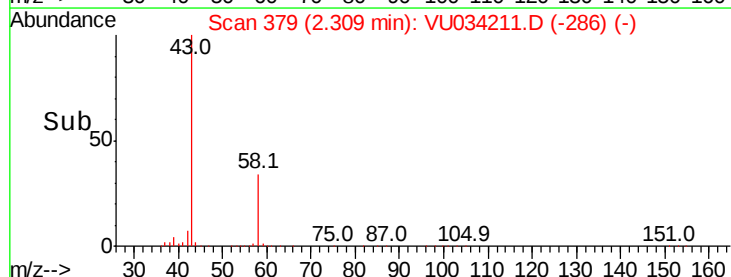
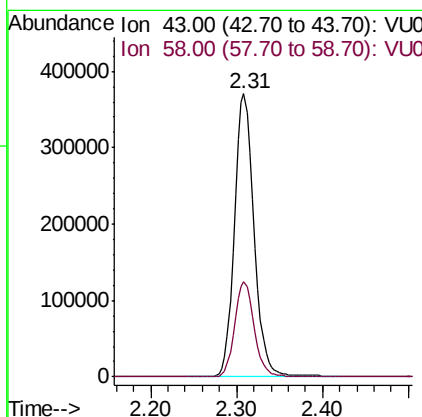
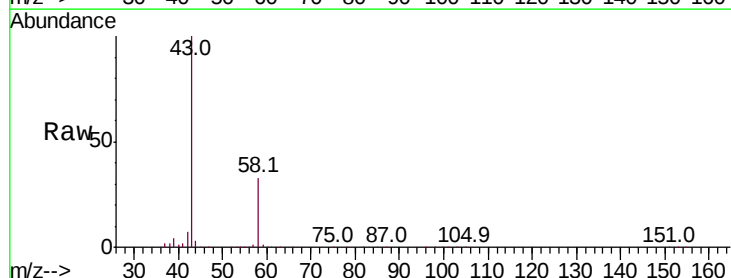
RT: 2.31 min Scan# 379

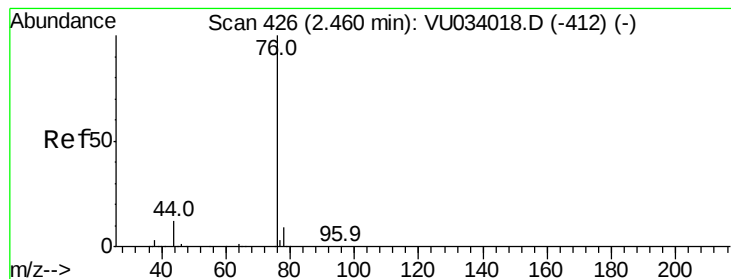
Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Tgt Ion:	43	Resp:	583405
Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.8	40.2





#17

Carbon Disulfide

Concen: 43.667 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Tot Ion: 76 Resp: 324263

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

Instrument :

MSVOA_U

ClientSampleId :

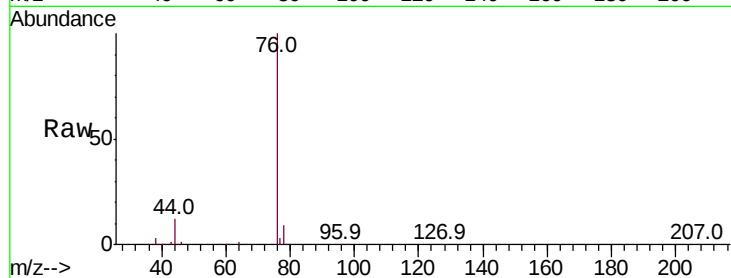
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

9/3/2019 1:09:43 PM



Abundance Ion 75.90 (75.60 to 76.60): VU034018.D (-412) (-)

Ion 77.90 (77.60 to 78.60): VU034018.D (-412) (-)

2.46

200000

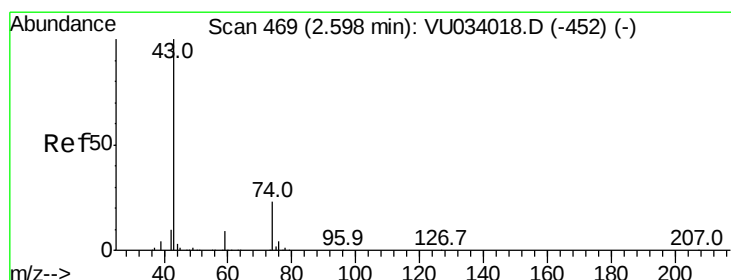
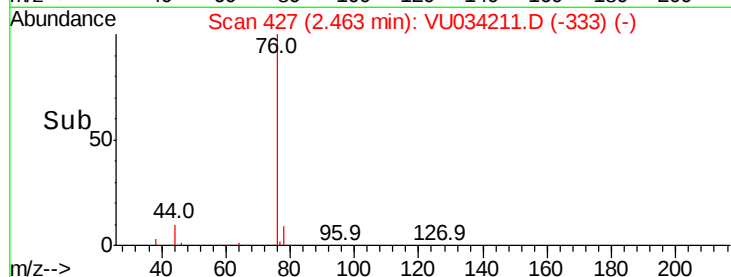
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 85.841 ug/l

RT: 2.60 min Scan# 470

Delta R.T. 0.00 min

Lab File: VU034211.D

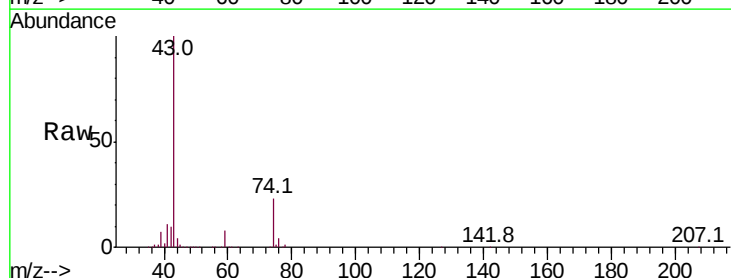
Acq: 02 Sep 2019 18:42

Tgt Ion: 43 Resp: 339905

Ion Ratio Lower Upper

43 100

74 23.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VU034211.D (-376) (-)

Ion 74.00 (73.70 to 74.70): VU034211.D (-376) (-)

2.60

200000

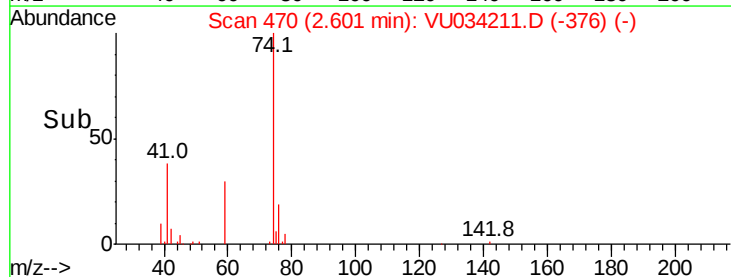
150000

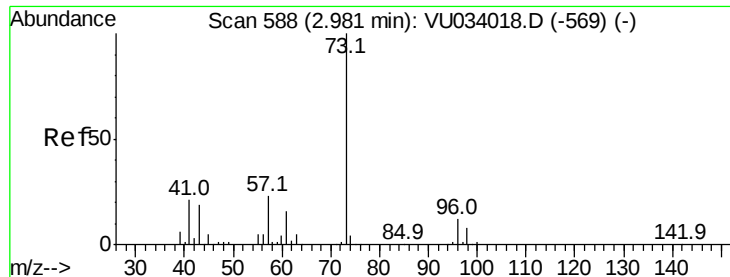
100000

50000

0

Time-->





#19

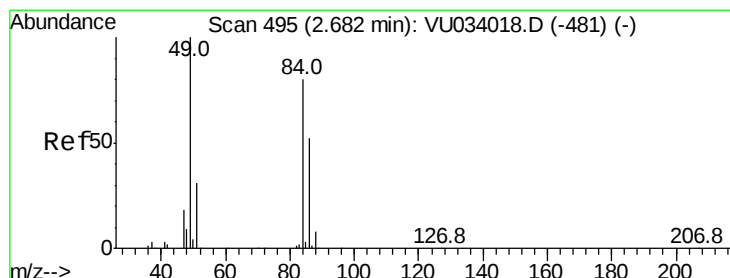
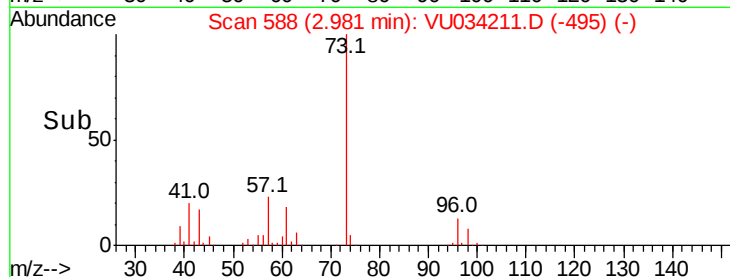
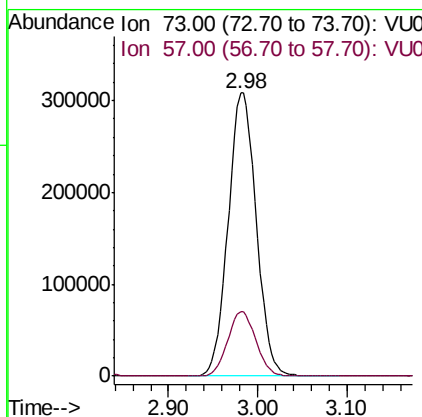
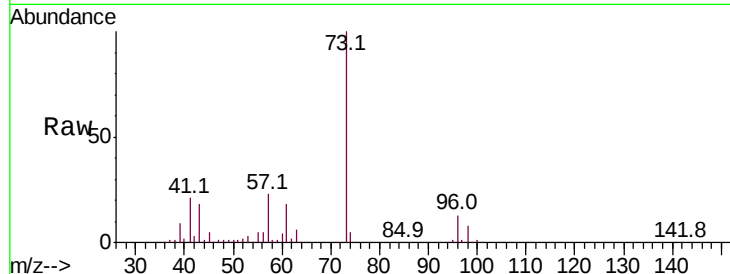
Methyl tert-butyl Ether
 Concen: 87.557 ug/l
 RT: 2.98 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.3	27.5

Manual Integrations
 APPROVED

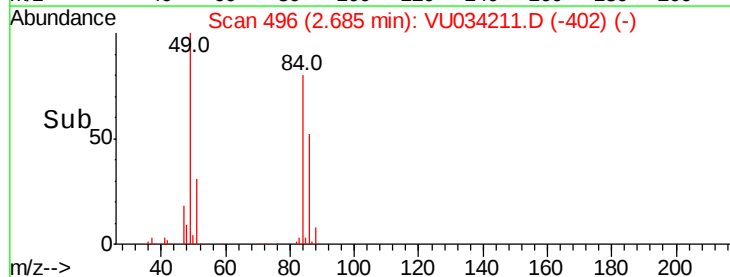
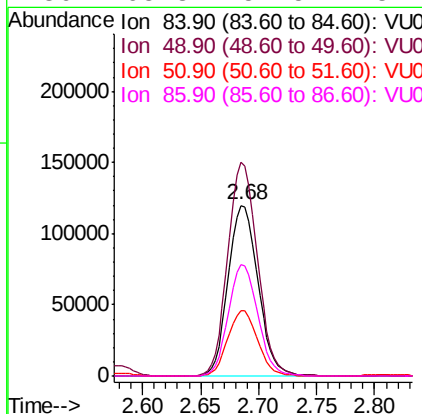
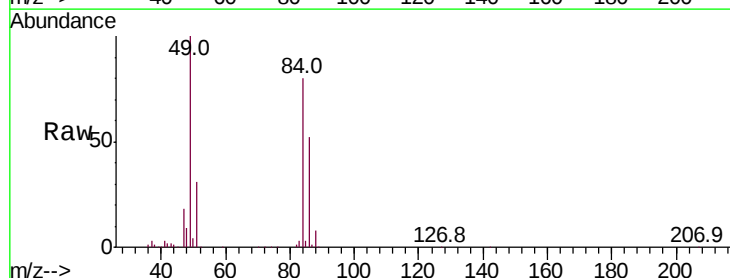
MMDadoda
 9/3/2019 1:09:43 PM

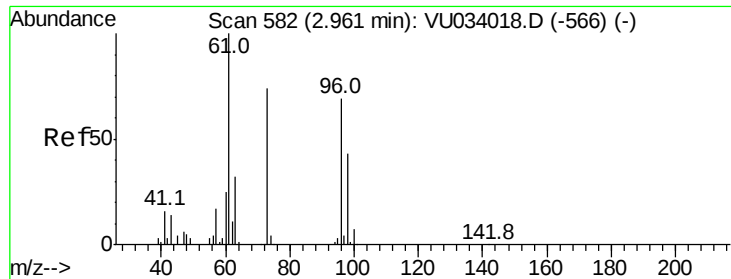


#20

Methylene Chloride
 Concen: 74.001 ug/l
 RT: 2.68 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.5	100.2	150.4
51	38.4	30.8	46.2
86	65.3	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 57.939 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 147535

Ion Ratio Lower Upper

96 100

61 144.9 115.5 173.3

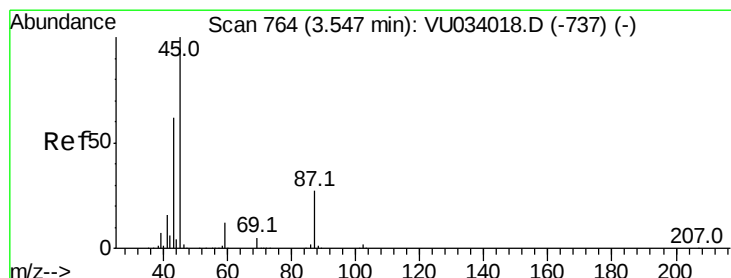
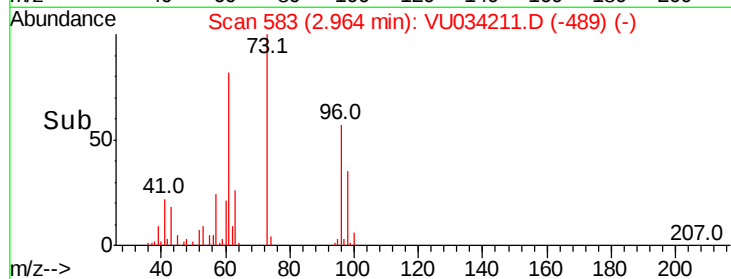
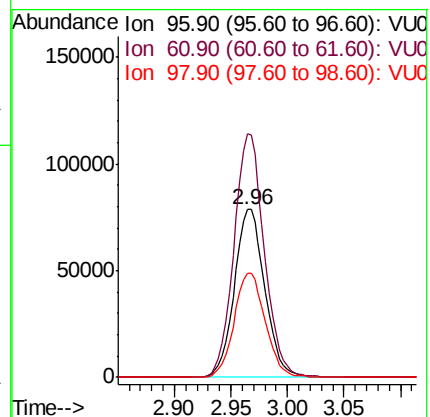
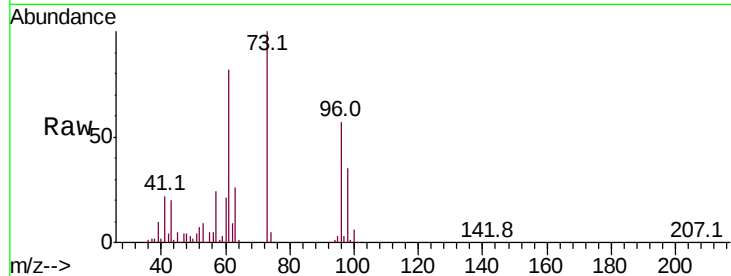
98 62.0 50.1 75.1

Manual Integrations

APPROVED

MMDadoda

9/3/2019 1:09:43 PM



#22

Diisopropyl ether

Concen: 82.634 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Tgt Ion: 45 Resp: 667966

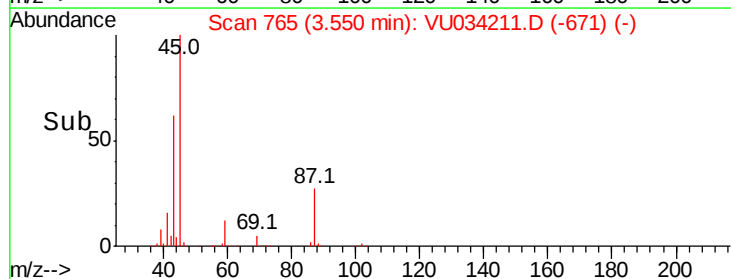
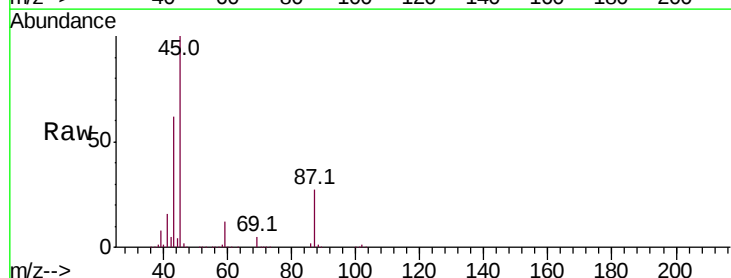
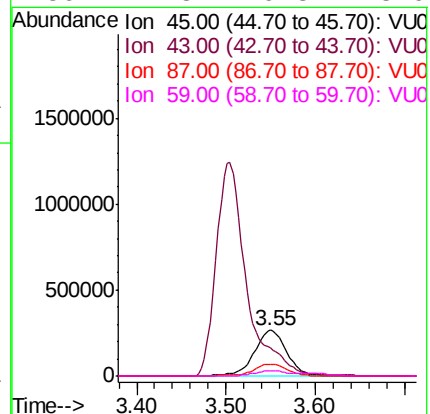
Ion Ratio Lower Upper

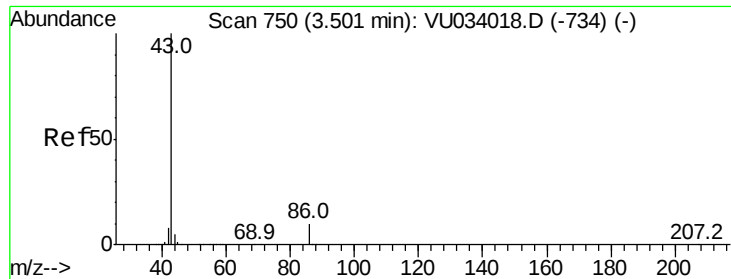
45 100

43 61.5 49.7 74.5

87 26.7 21.8 32.8

59 11.8 9.3 13.9





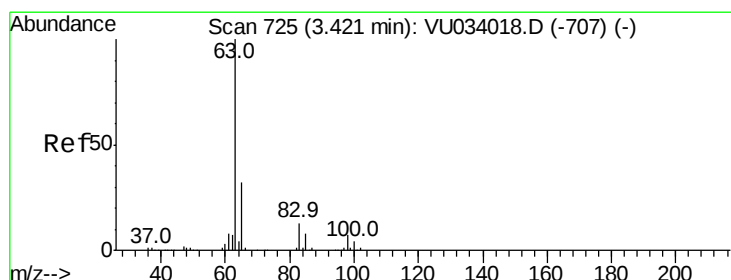
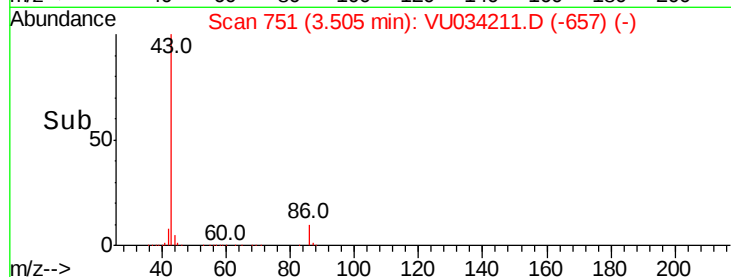
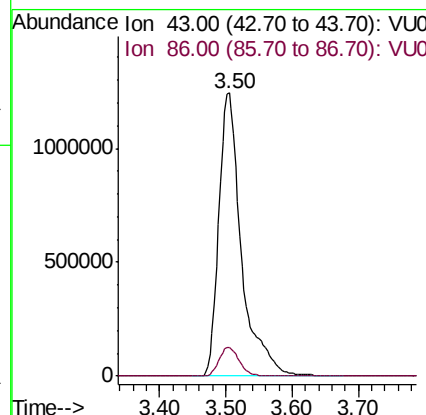
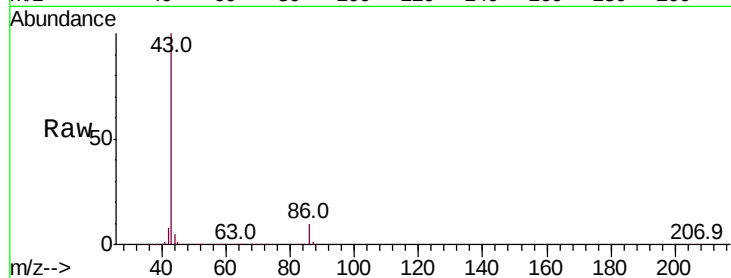
#23
 Vinyl Acetate
 Concen: 425.772 ug/l
 RT: 3.50 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2956522
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.3 12.5

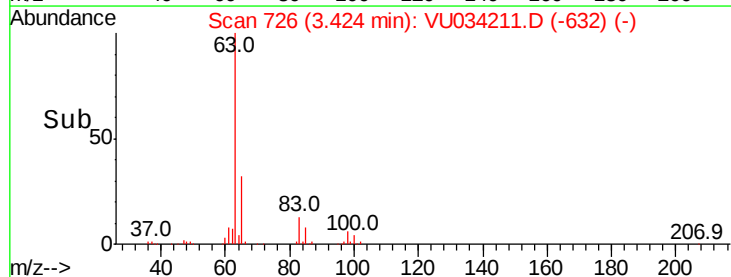
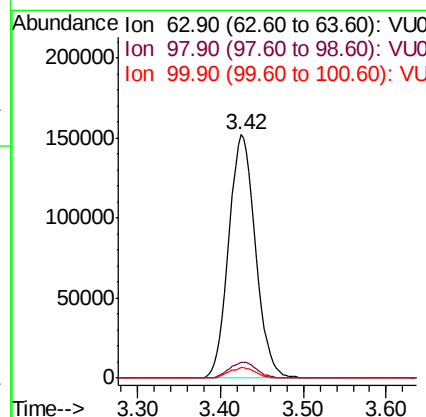
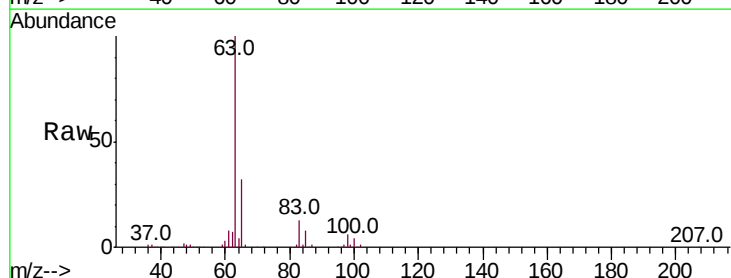
Manual Integrations
 APPROVED

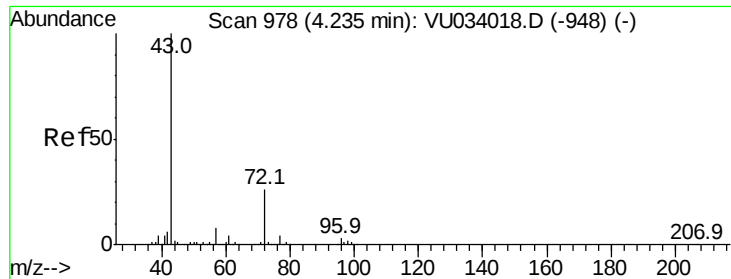
MMDadoda
 9/3/2019 1:09:43 PM



#24
 1,1-Dichloroethane
 Concen: 71.307 ug/l
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Tgt Ion: 63 Resp: 340305
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.8
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 436.607 ug/l

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 930765

Ion Ratio Lower Upper

43 100

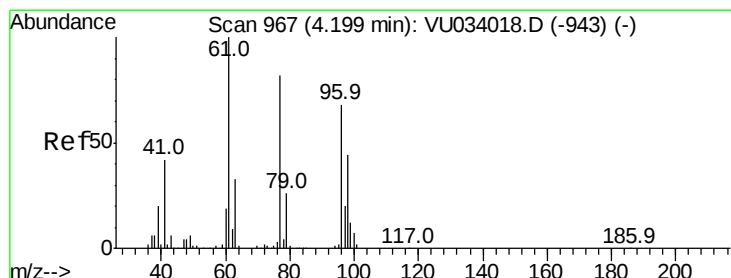
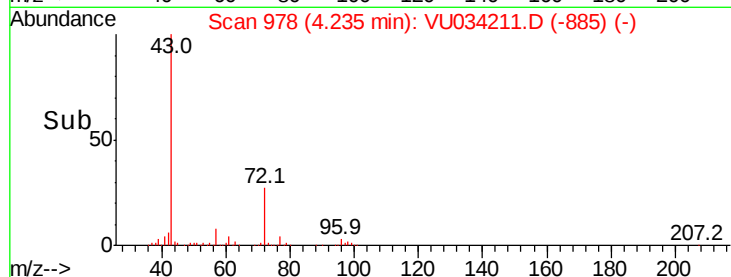
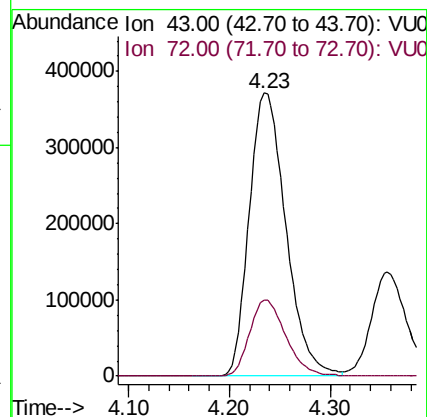
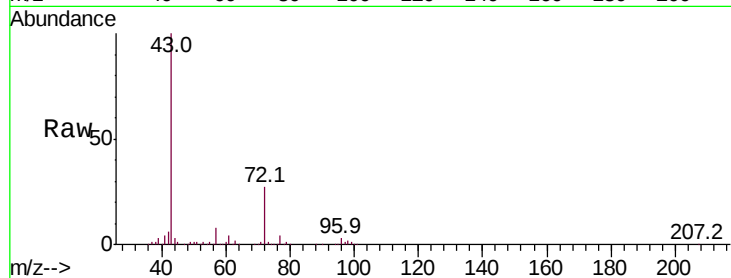
72 27.1 21.2 31.8

Manual Integrations

APPROVED

MMDadoda

9/3/2019 1:09:43 PM



#26

2,2-Dichloropropane

Concen: 46.335 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034211.D

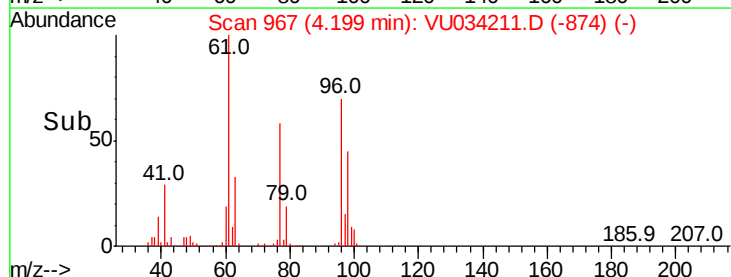
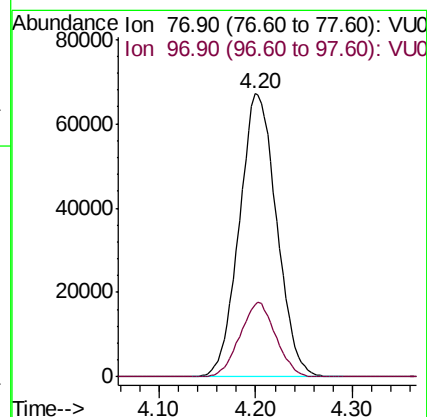
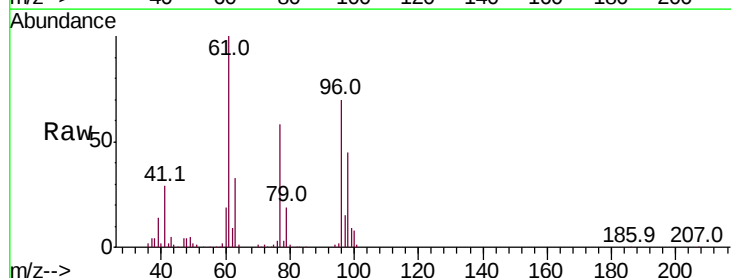
Acq: 02 Sep 2019 18:42

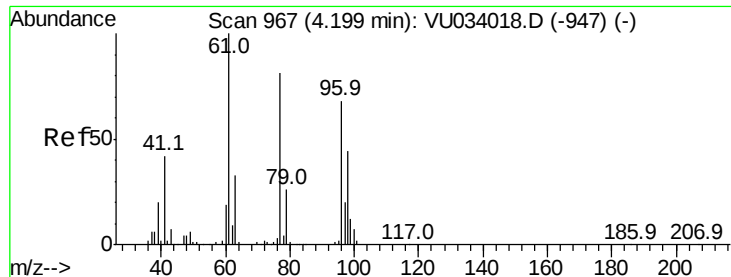
Tgt Ion: 77 Resp: 179930

Ion Ratio Lower Upper

77 100

97 25.3 11.6 34.7





#27

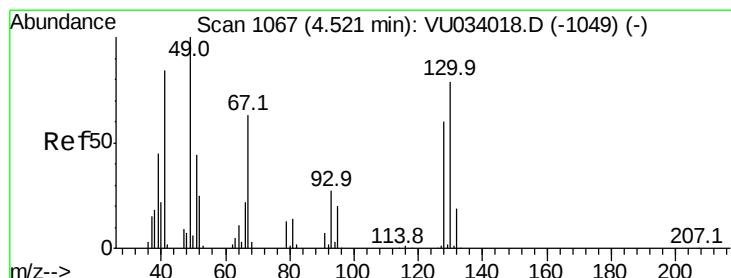
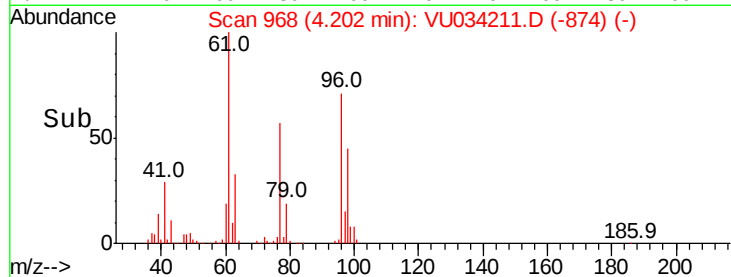
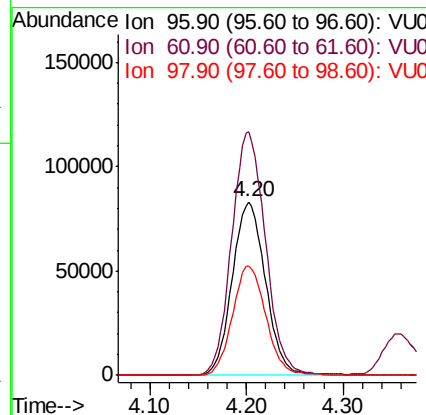
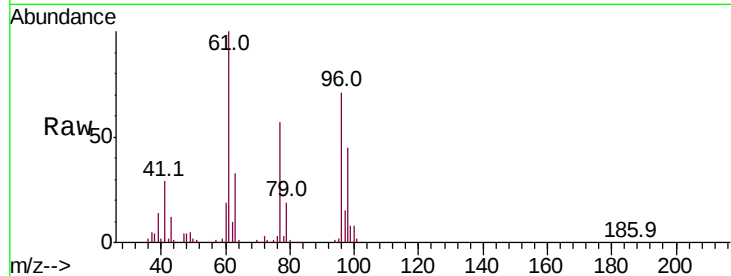
cis-1,2-Dichloroethene
 Concen: 69.546 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	198769		
61	142.9	0.0	303.0	
98	63.6	0.0	129.2	

Manual Integrations
 APPROVED

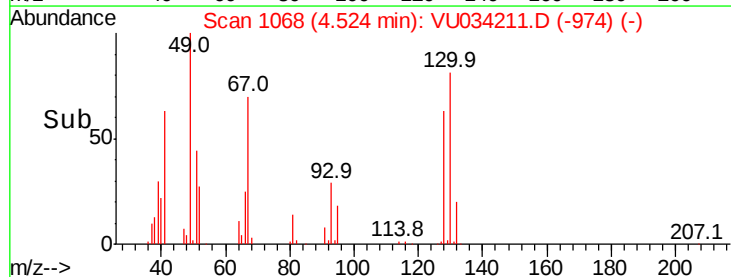
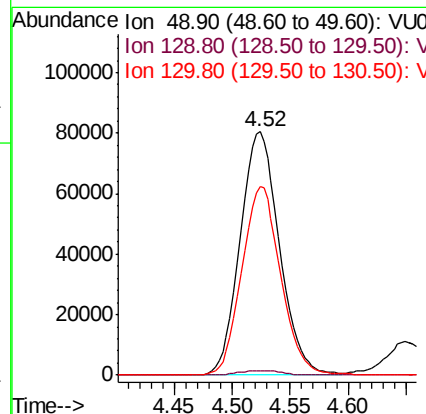
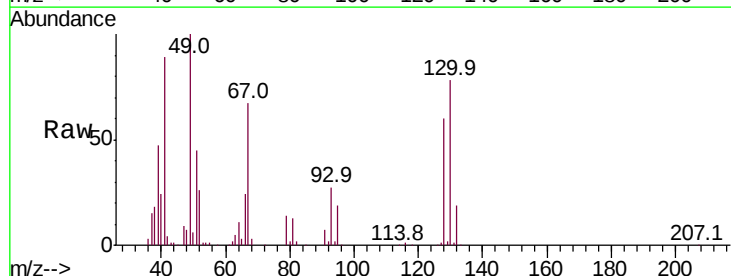
MMDadoda
 9/3/2019 1:09:43 PM

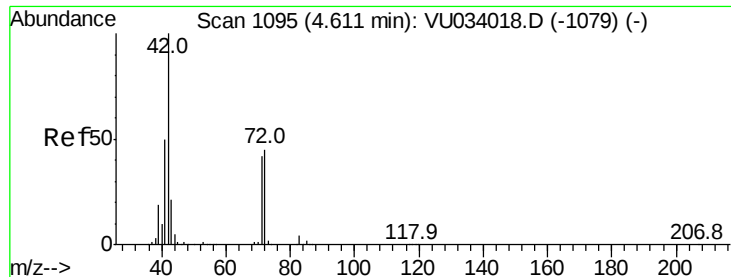


#28

Bromochloromethane
 Concen: 80.454 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	189167		
129	2.0	0.0	3.6	
130	76.9	62.8	94.2	





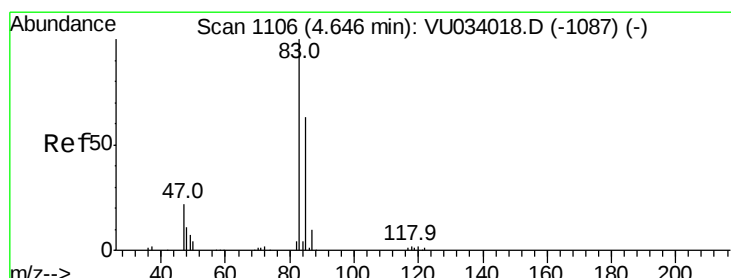
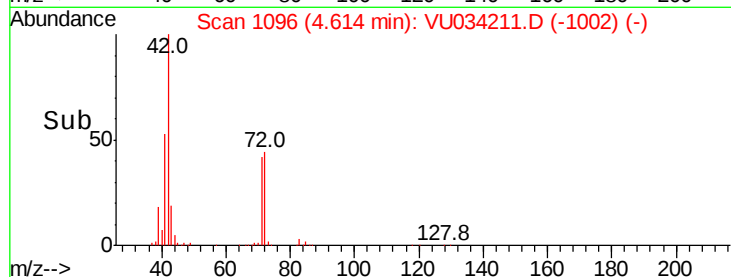
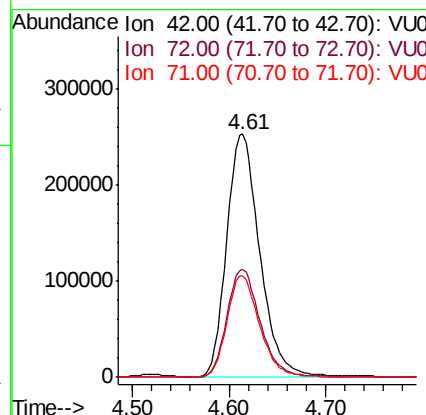
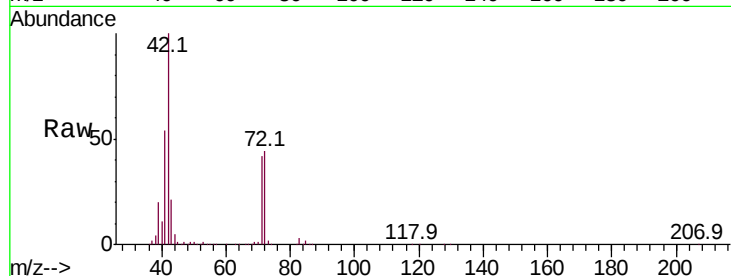
#29
Tetrahydrofuran
Concen: 455.257 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	45.0		35.8	53.6
71	41.5		34.0	51.0

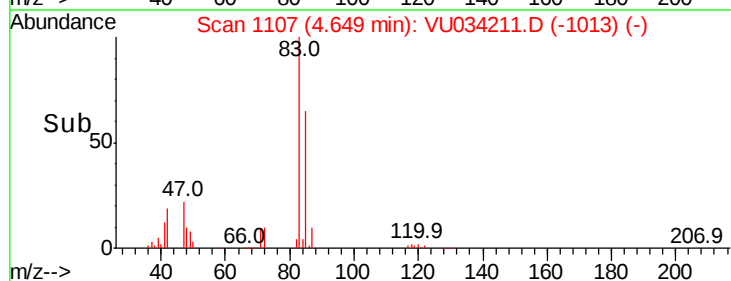
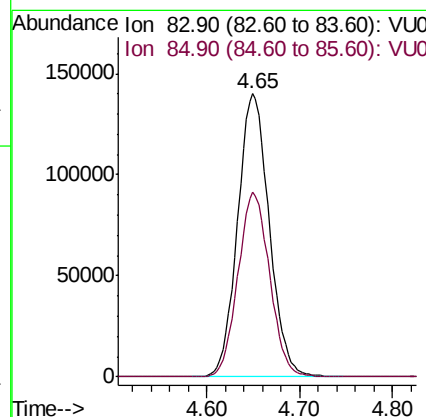
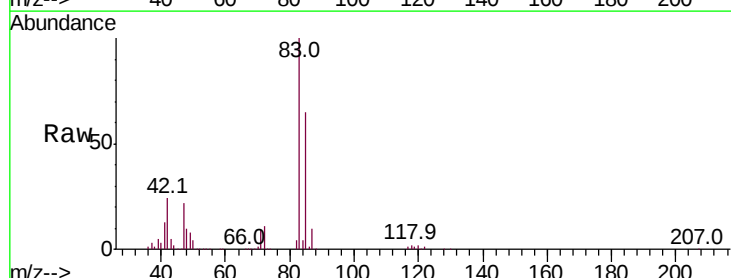
Manual Integrations
APPROVED

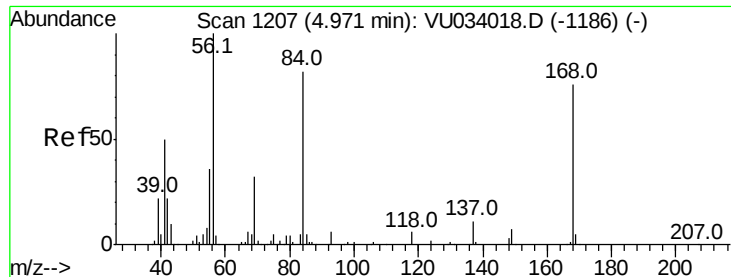
MMDadoda
9/3/2019 1:09:43 PM



#30
Chloroform
Concen: 69.599 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.1		50.7	76.1





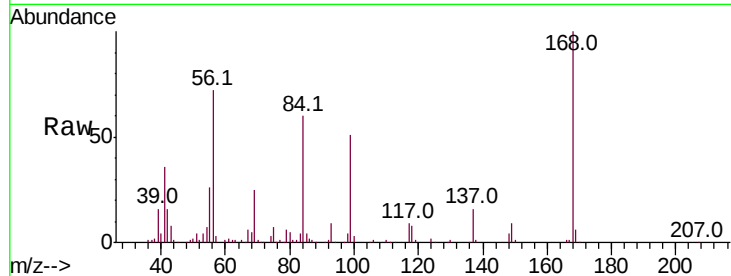
#31
Cyclohexane
Concen: 33.472 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	25.4	38.0
84	81.7	65.8	98.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 1:09:43 PM

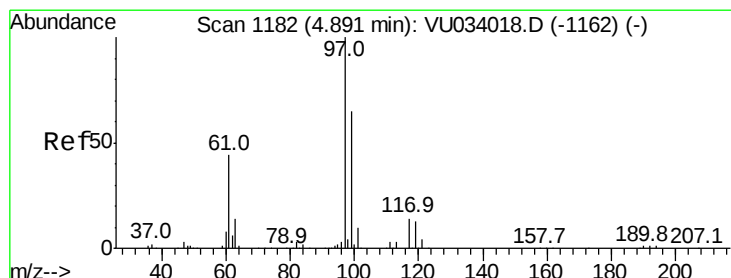
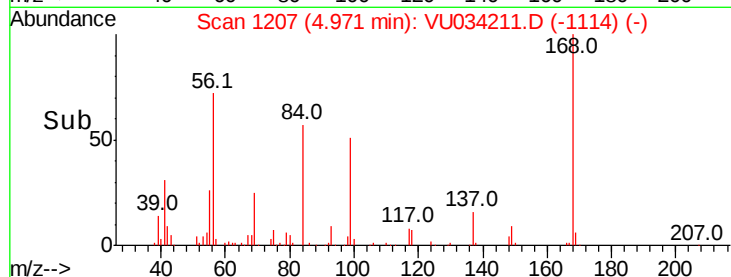
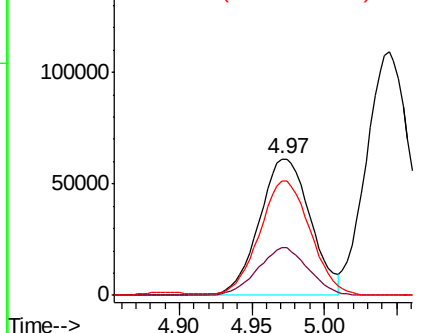


Abundance

Ion 56.00 (55.70 to 56.70): VU0

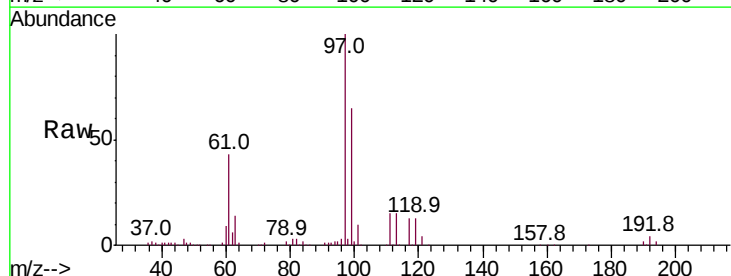
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32
1,1,1-Trichloroethane
Concen: 54.449 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.6
61	43.8	35.3	52.9

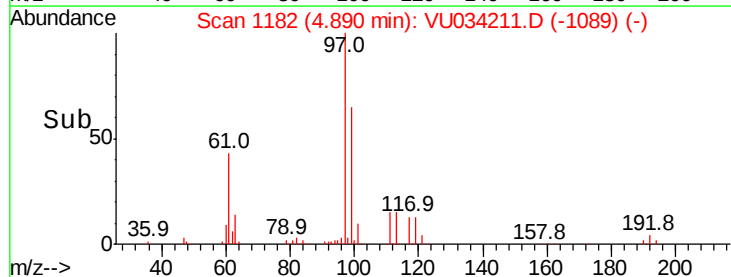
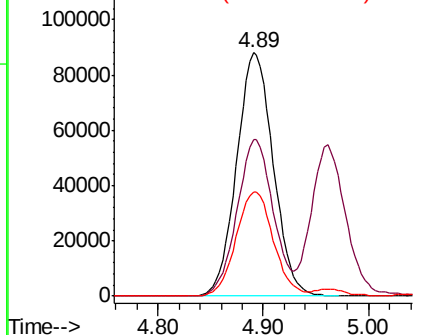


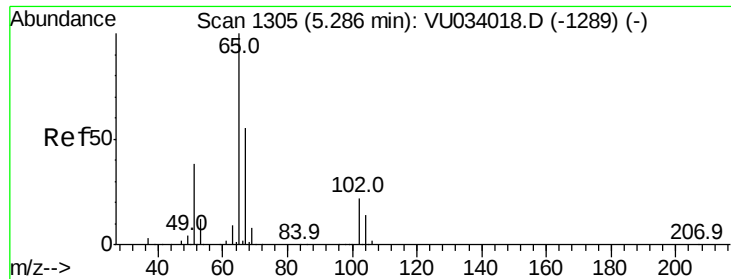
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





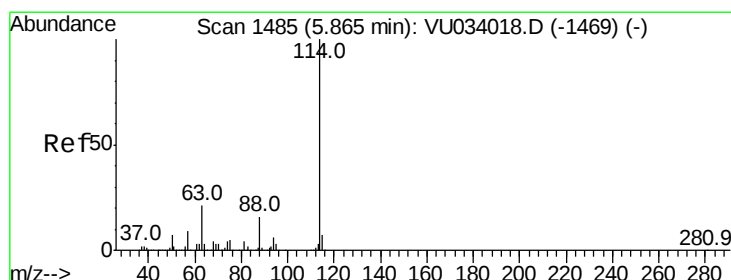
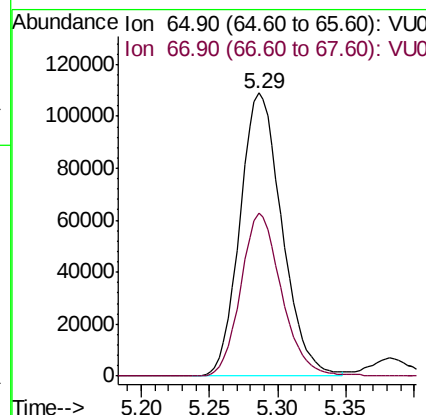
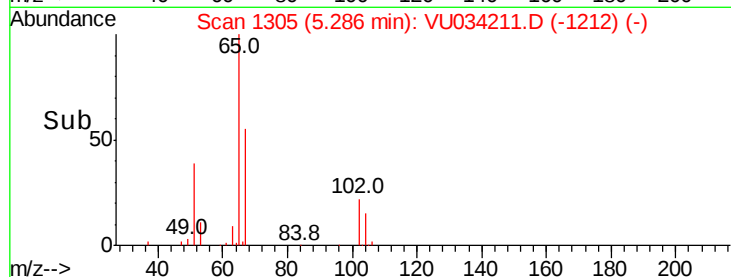
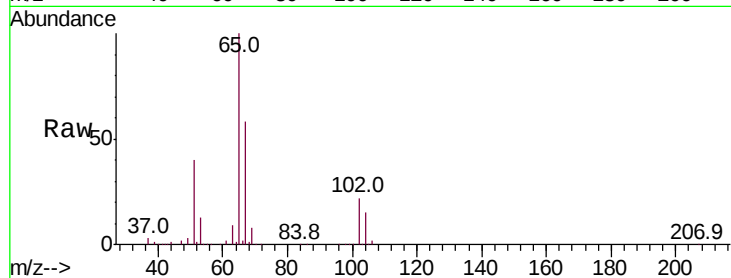
#33
 1,2-Dichloroethane-d4
 Concen: 77.589 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	233003		
67	56.0	0.0	110.6	

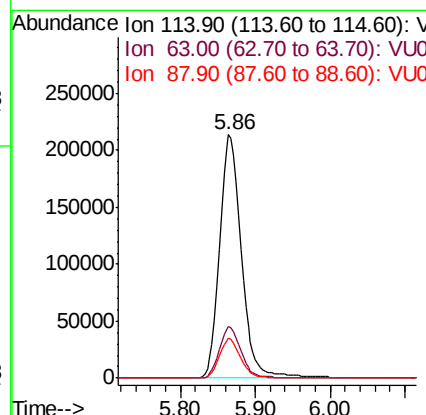
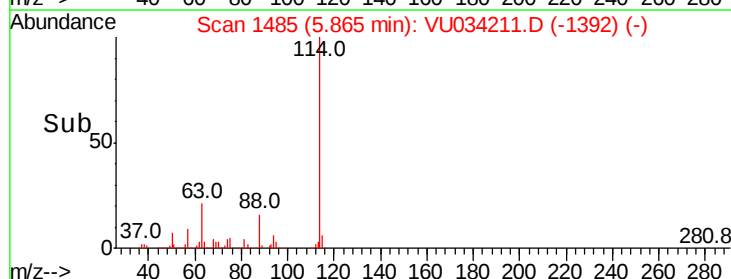
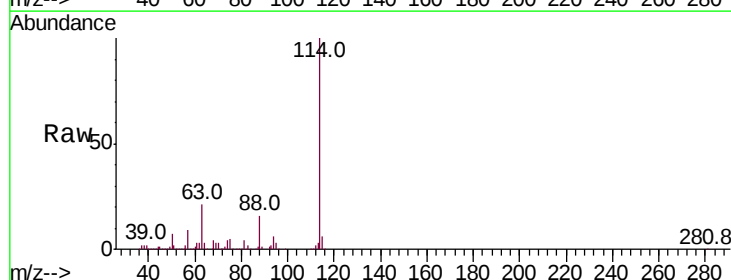
Manual Integrations
 APPROVED

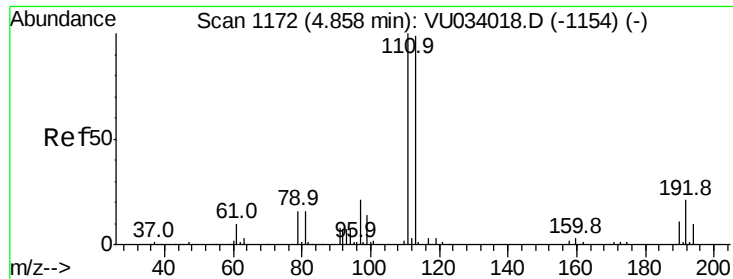
MMDadoda
 9/3/2019 1:09:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	435769		
63	21.2	0.0	42.0	
88	16.4	0.0	32.0	





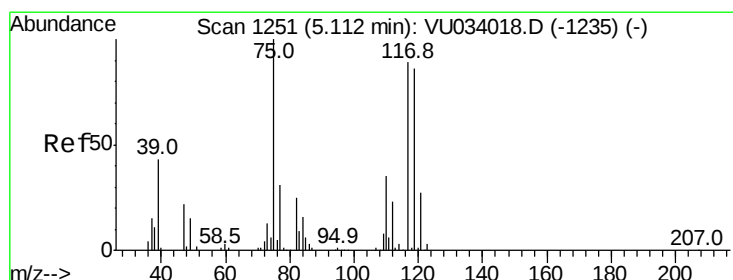
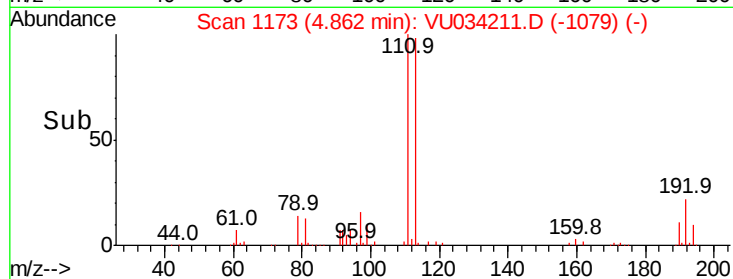
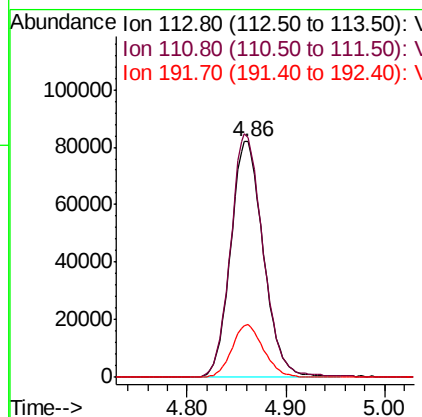
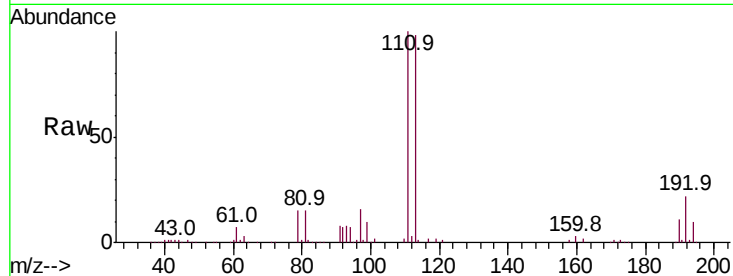
#35
 Dibromofluoromethane
 Concen: 62.752 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.7	122.5
192	21.6	17.1	25.7

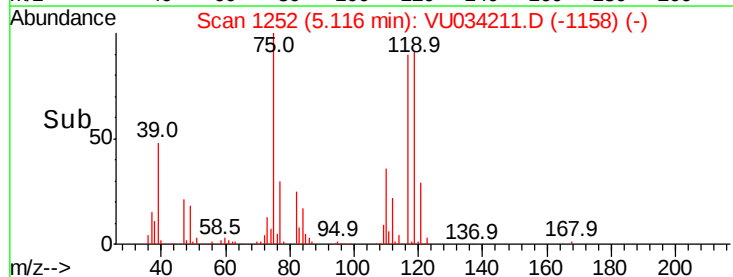
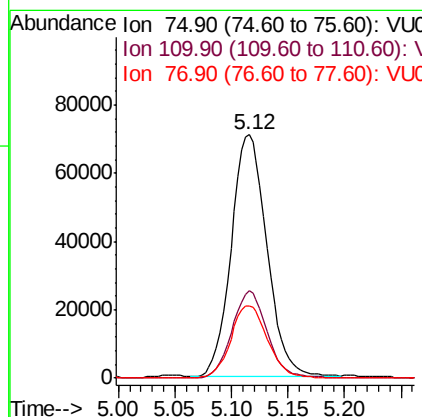
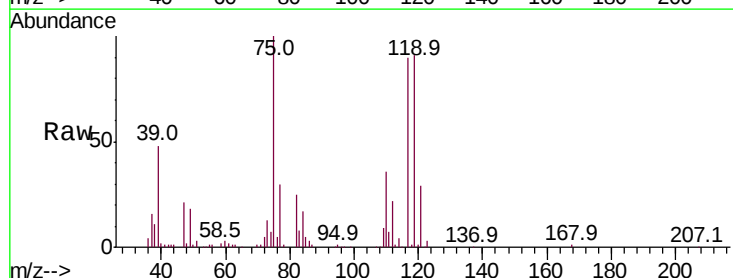
Manual Integrations
 APPROVED

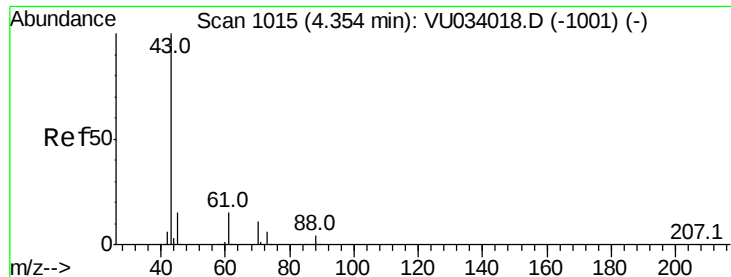
MMDadoda
 9/3/2019 1:09:43 PM



#36
 1,1-Dichloropropene
 Concen: 37.772 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.8	53.5
77	30.2	25.0	37.4





#37

Ethyl Acetate

Concen: 73.121 ug/l

RT: 4.36 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

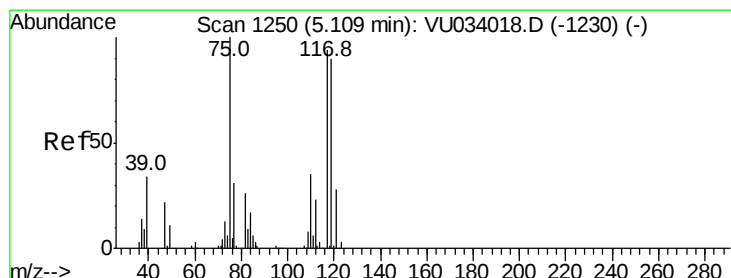
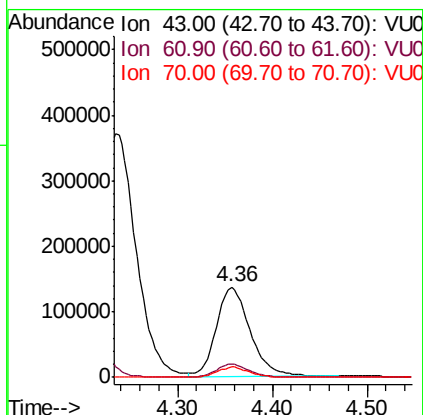
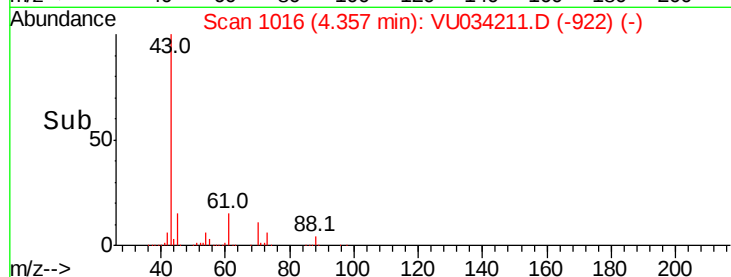
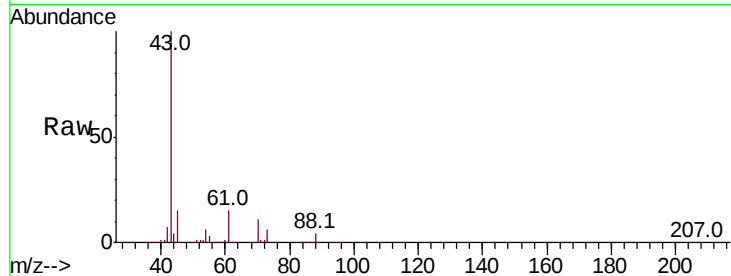
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 1:09:43 PM



#38

Carbon Tetrachloride

Concen: 39.012 ug/l

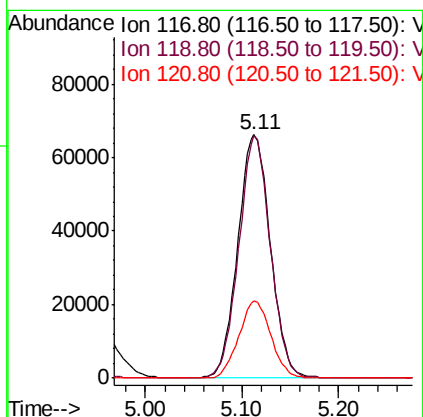
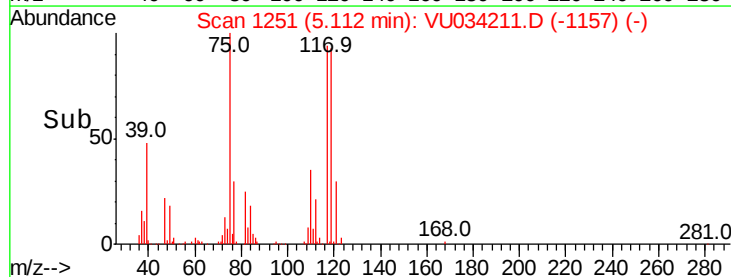
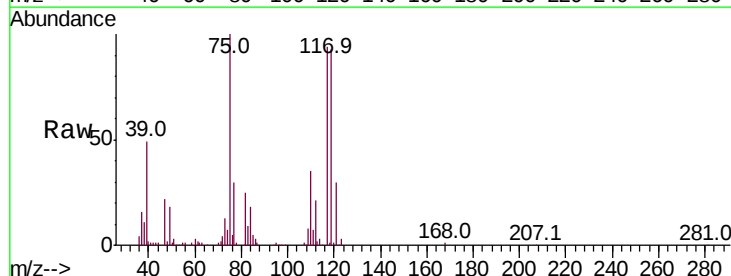
RT: 5.11 min Scan# 1251

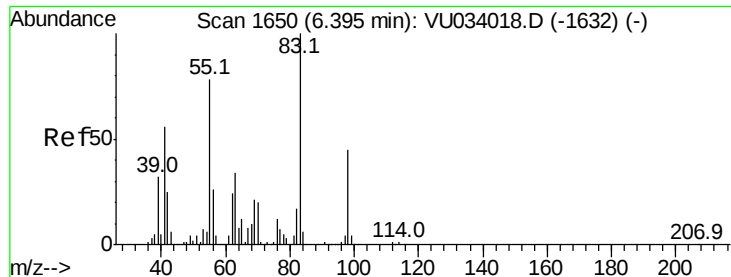
Delta R.T. 0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	77.0	115.4
121	31.6	23.9	35.9





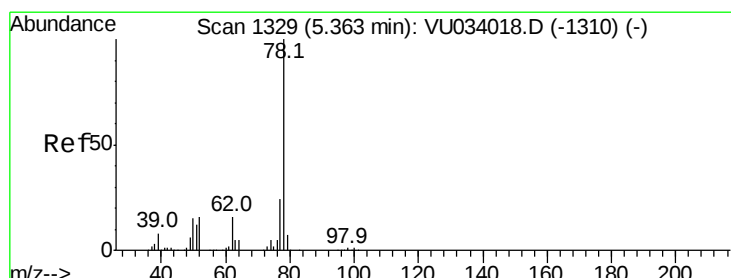
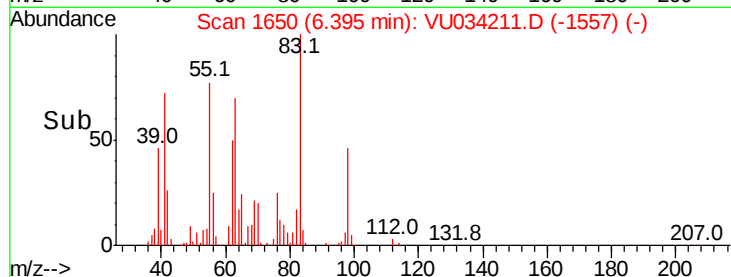
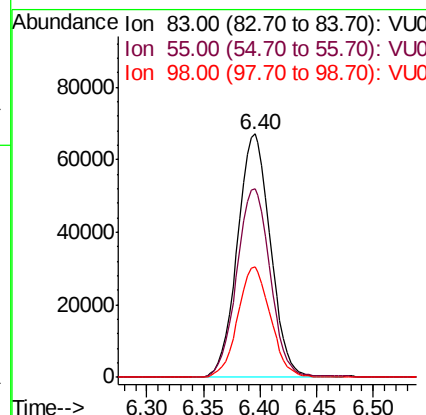
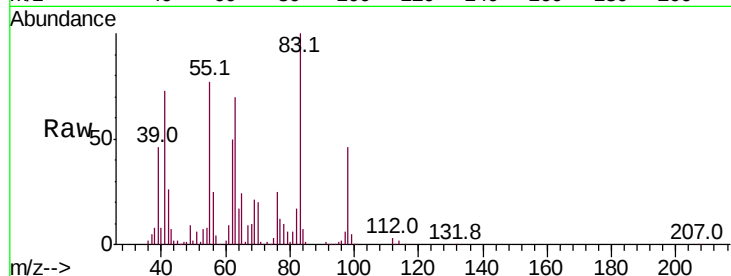
#39
Methvlcvclohexane
Concen: 28.126 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	136639
Ion Ratio	100	Lower	Upper
83	100		
55	77.4	62.3	93.5
98	45.6	36.2	54.2

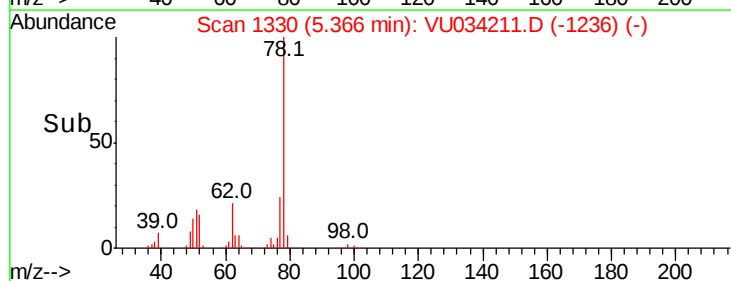
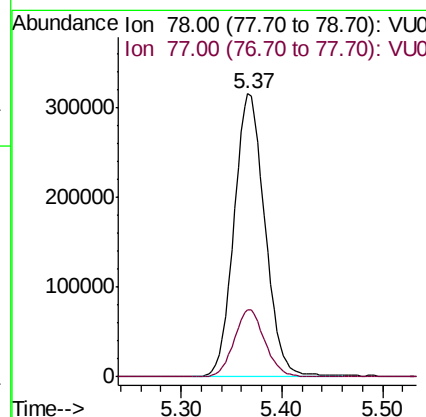
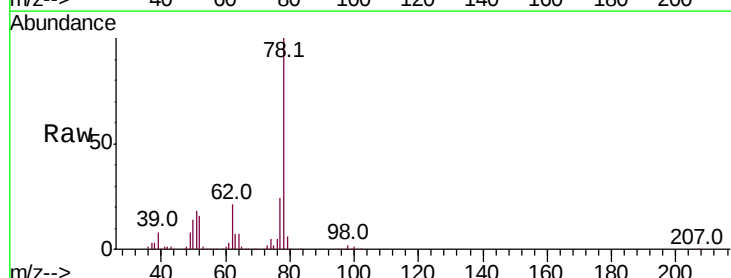
Manual Integrations
APPROVED

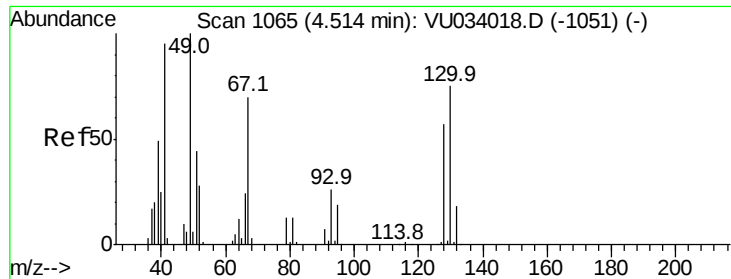
MMDadoda
9/3/2019 1:09:43 PM



#40
Benzene
Concen: 53.917 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Tgt Ion	78	Resp	672383
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	19.0	28.6





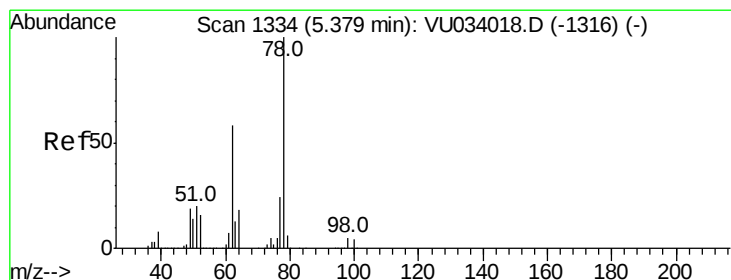
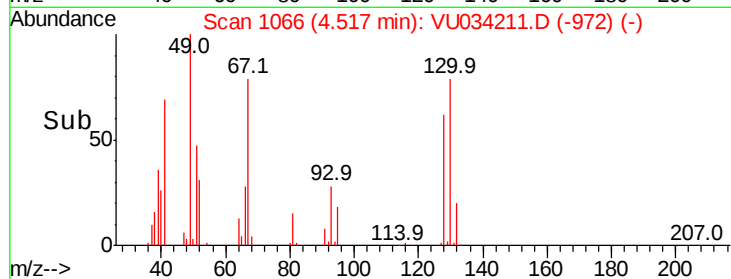
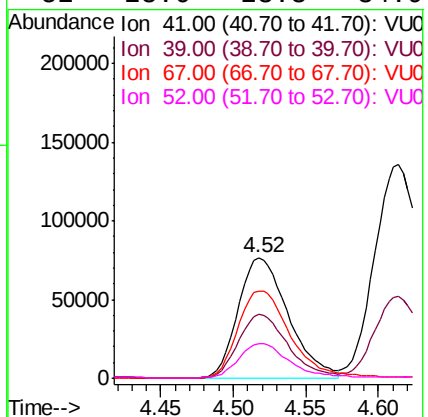
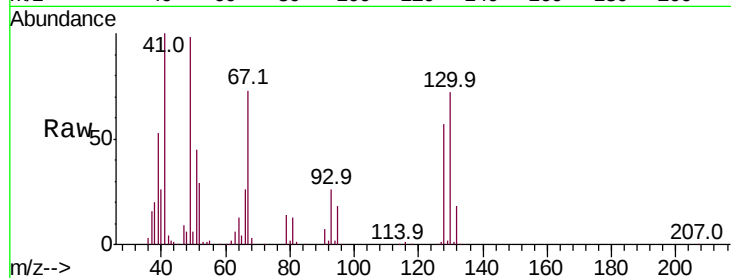
#41
Methacrylonitrile
Concen: 77.736 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	42.1	63.1	
67	76.7	61.0	91.4	
52	28.6	23.3	34.9	

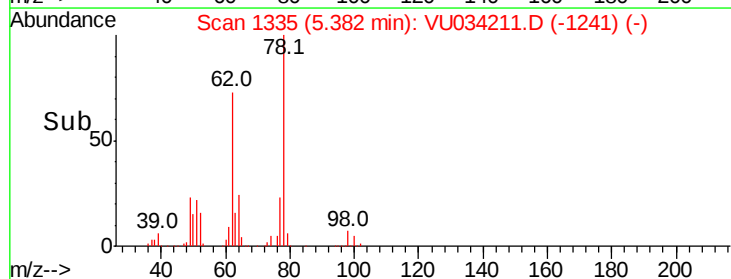
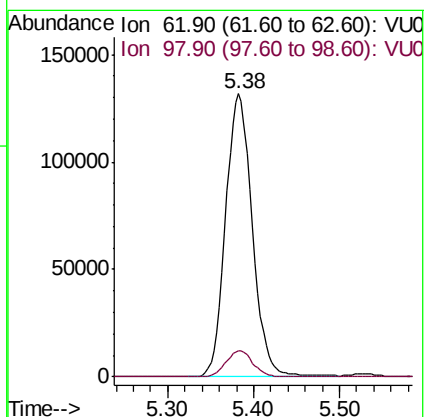
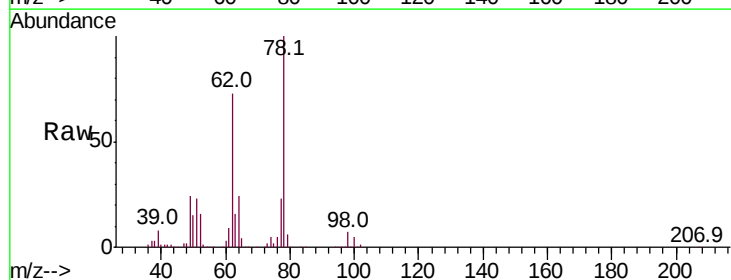
Manual Integrations
APPROVED

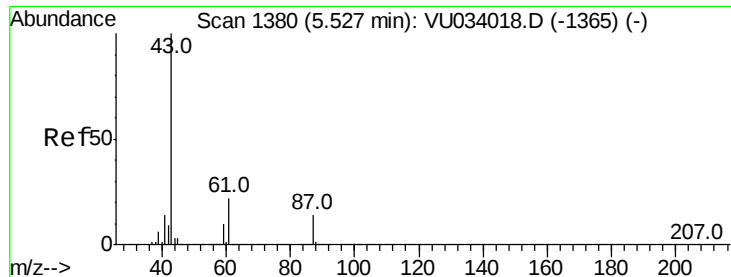
MMDadoda
9/3/2019 1:09:43 PM



#42
1,2-Dichloroethane
Concen: 66.019 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	18.2	





#43

Isopropyl Acetate

Concen: 73.509 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

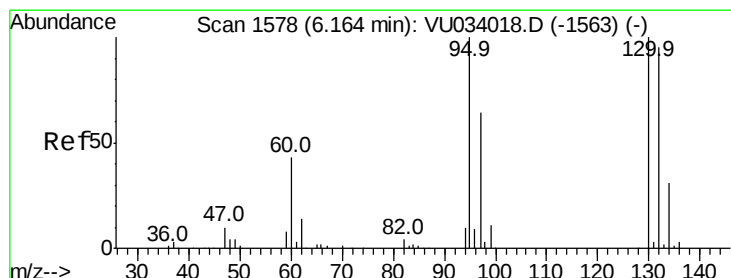
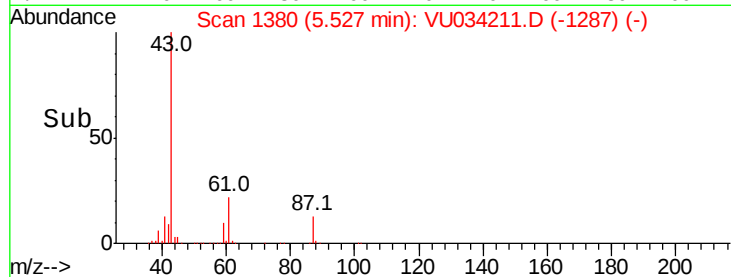
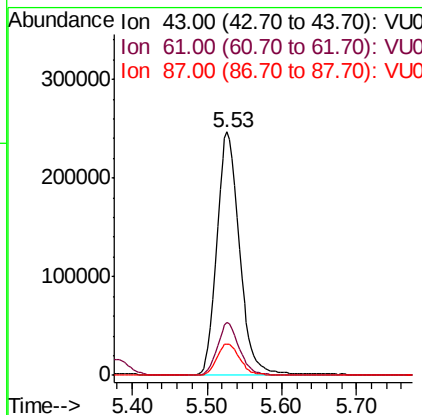
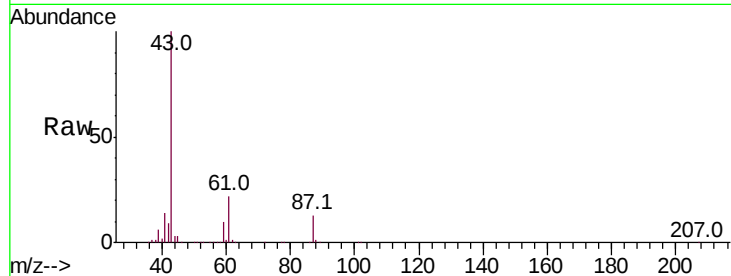
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	516189
Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.2	25.8
87	13.2	10.8	16.2

Manual Integrations
APPROVED

MMDadoda
9/3/2019 1:09:43 PM



#44

Trichloroethene

Concen: 46.948 ug/l

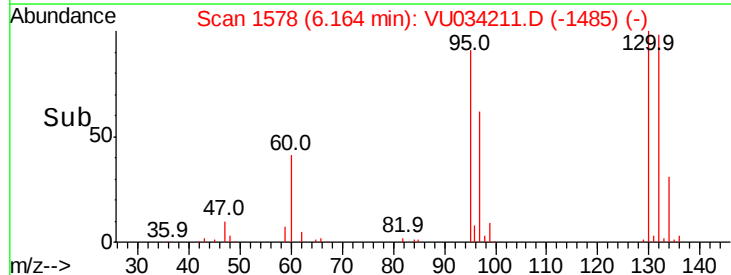
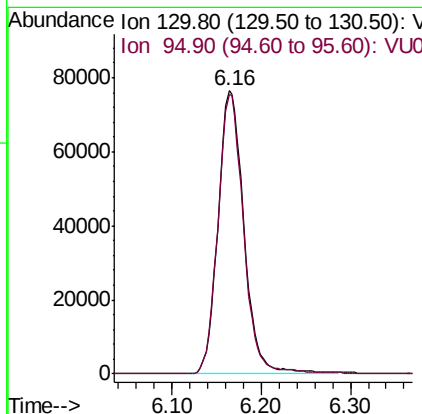
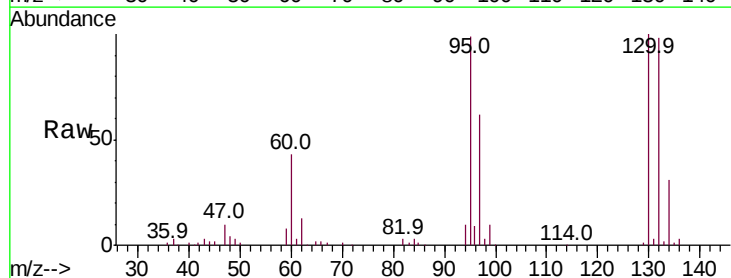
RT: 6.16 min Scan# 1578

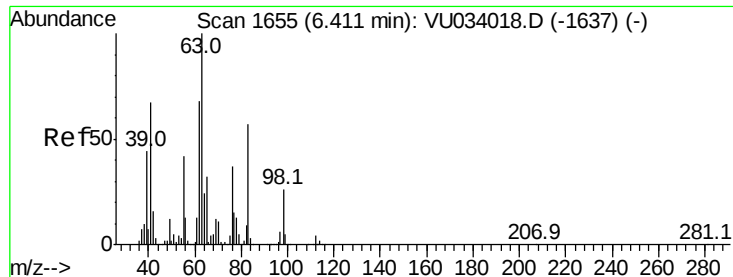
Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Tgt Ion:	130	Resp:	153745
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	199.6





#45

1,2-Dichloropropane

Concen: 61.900 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 212494

Ion Ratio Lower Upper

63 100

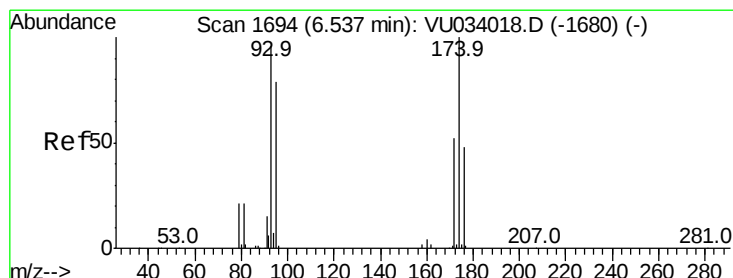
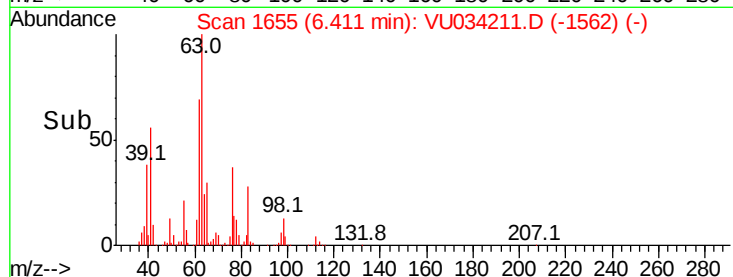
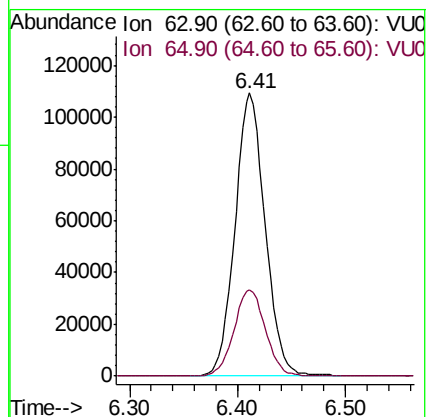
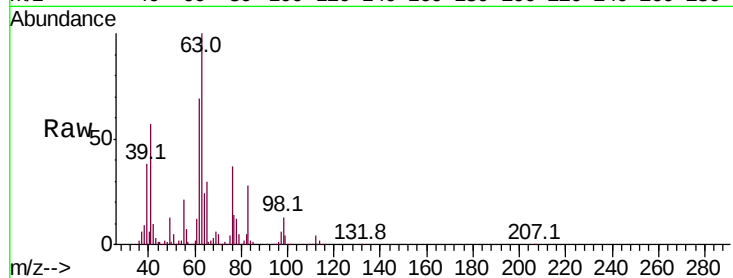
65 30.5 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

9/3/2019 1:09:43 PM



#46

Dibromomethane

Concen: 65.564 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

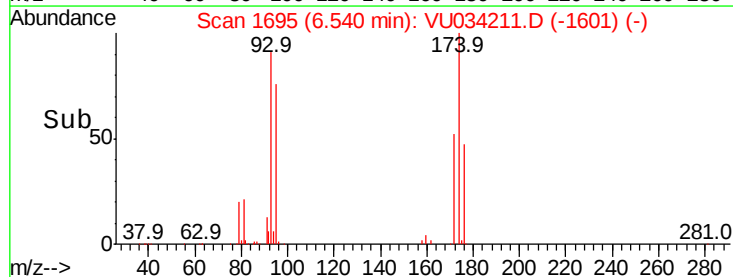
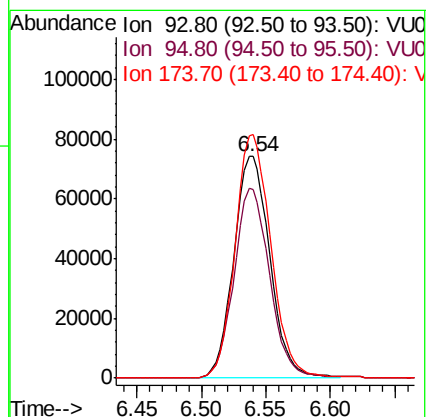
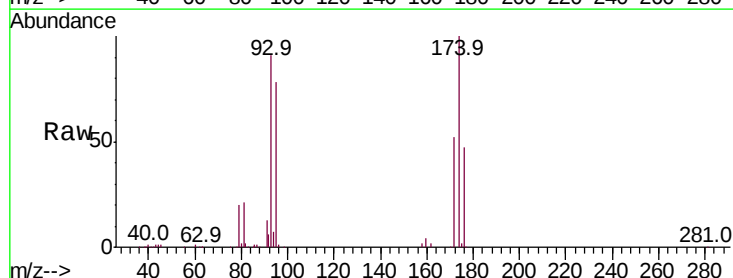
Tgt Ion: 93 Resp: 145006

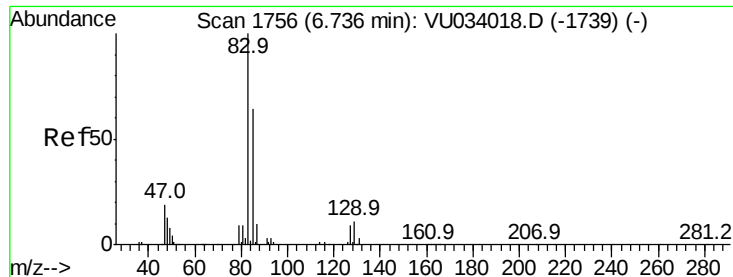
Ion Ratio Lower Upper

93 100

95 85.0 66.7 100.1

174 108.8 84.9 127.3





#47

Bromodichloromethane

Concen: 62.528 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

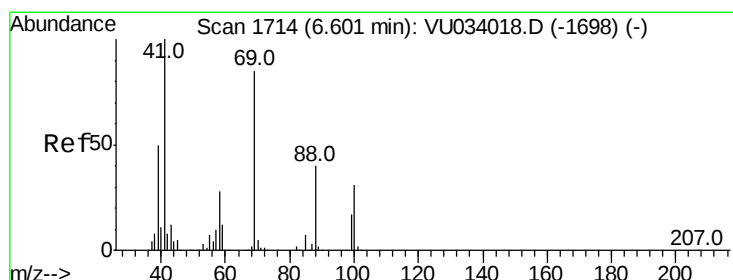
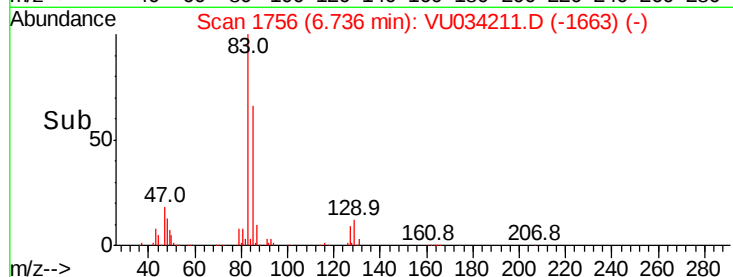
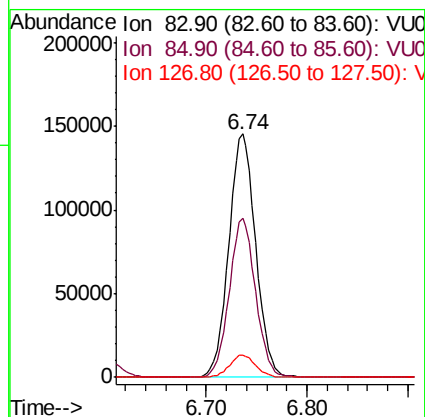
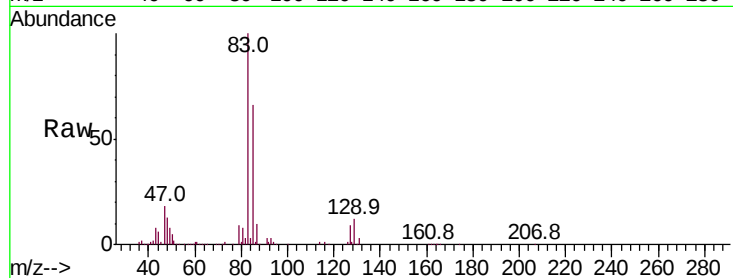
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	270566
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.2	76.8
127	9.2	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
9/3/2019 1:09:43 PM



#48

Methyl methacrylate

Concen: 72.408 ug/l

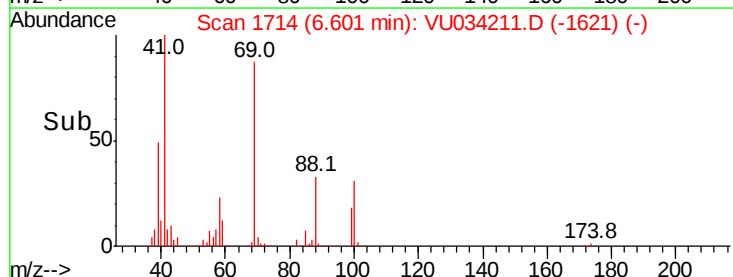
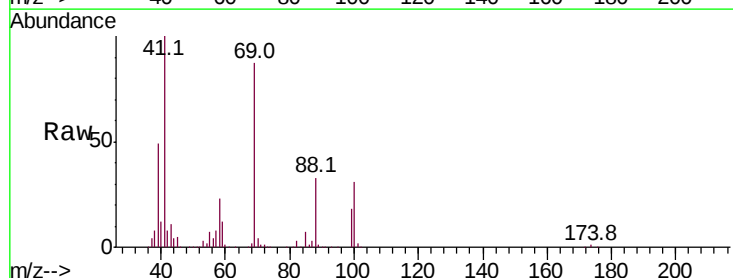
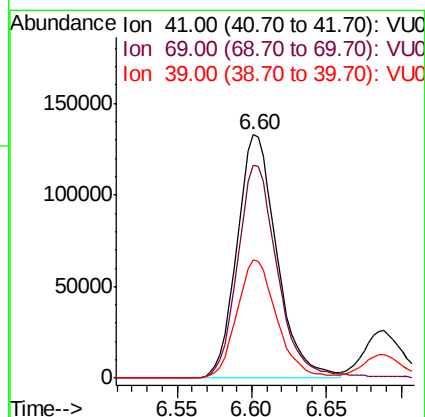
RT: 6.60 min Scan# 1714

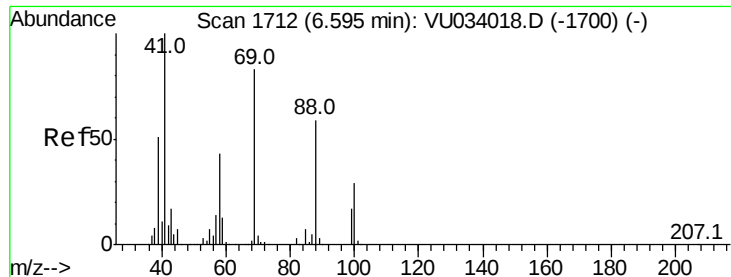
Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Tgt Ion:	41	Resp:	245356
Ion	Ratio	Lower	Upper
41	100		
69	88.7	69.5	104.3
39	48.4	40.3	60.5





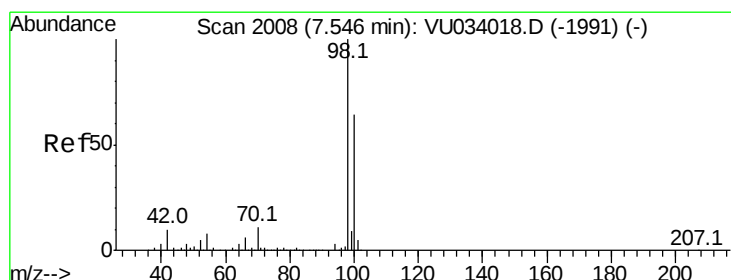
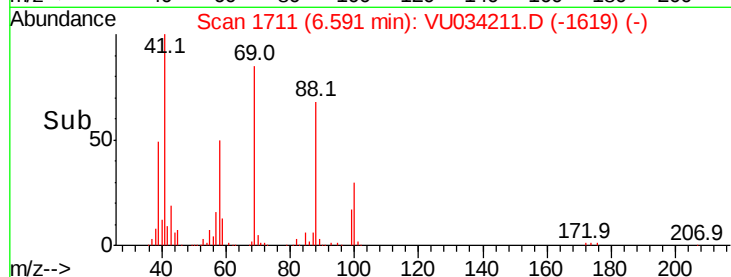
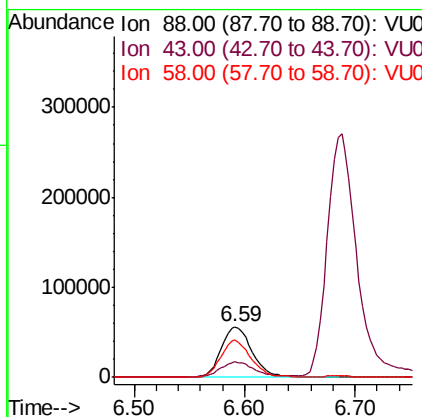
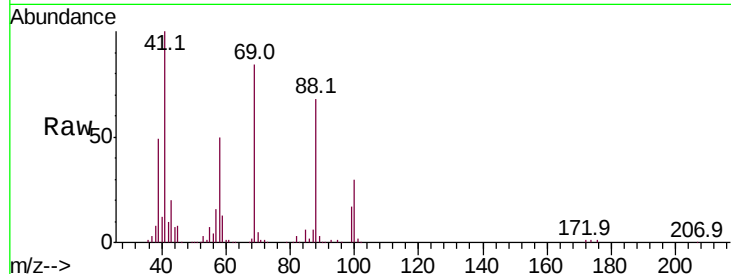
#49
1,4-Dioxane
Concen: 1261.875 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.6	24.8	37.2	
58	73.8	59.3	88.9	

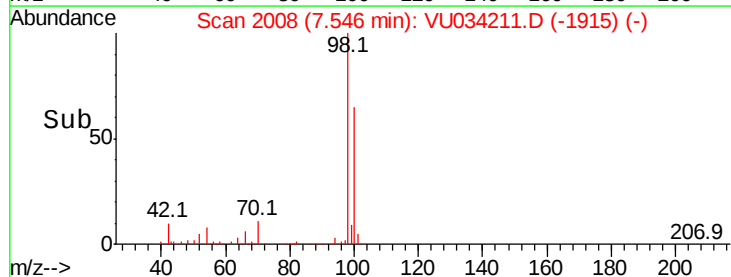
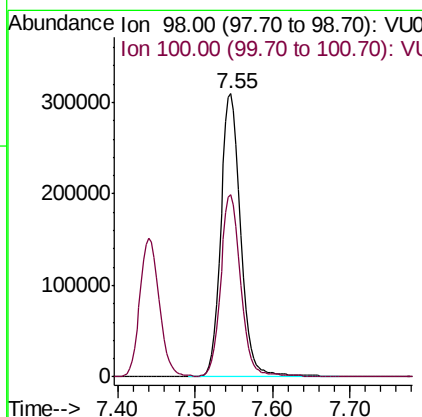
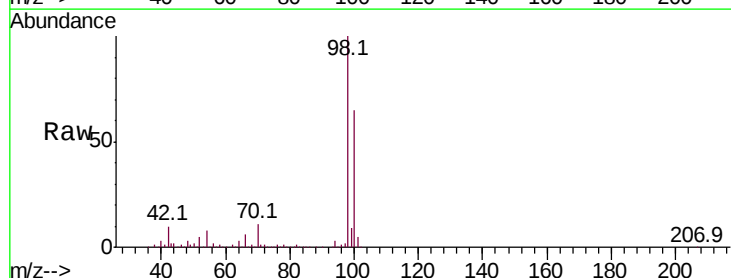
Manual Integrations
APPROVED

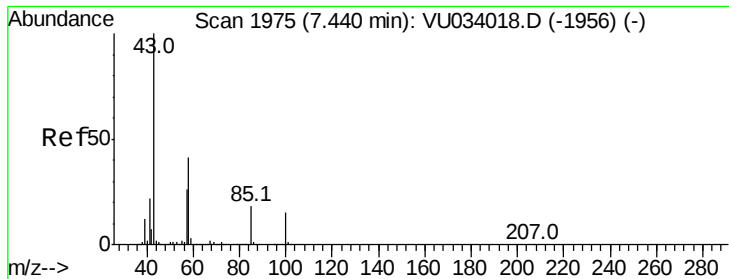
MMDadoda
9/3/2019 1:09:43 PM



#50
Toluene-d8
Concen: 49.318 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.5	50.3	75.5	





#51

4-Methyl-2-Pentanone

Concen: 365.014 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1770135

Ion Ratio Lower Upper

43 100

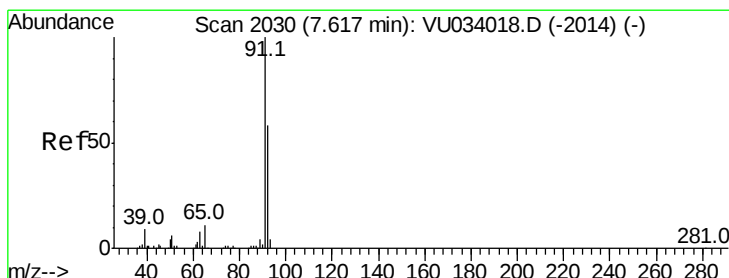
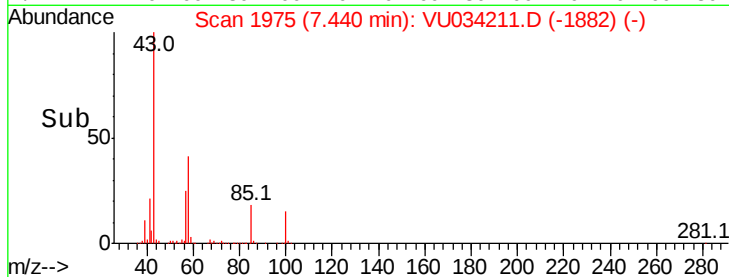
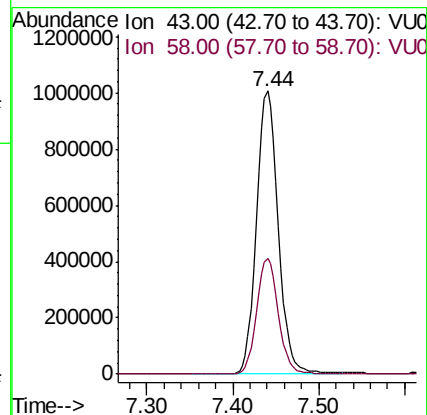
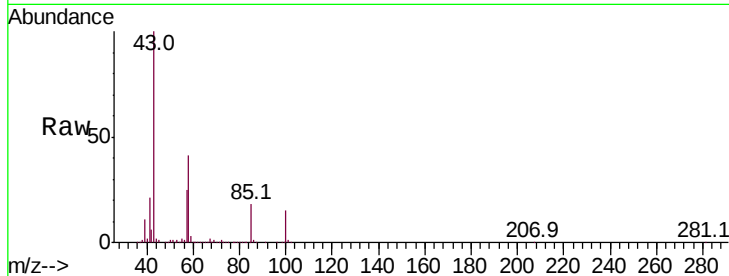
58 40.9 32.2 48.4

Manual Integrations

APPROVED

MMDadoda

9/3/2019 1:09:43 PM



#52

Toluene

Concen: 47.770 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034211.D

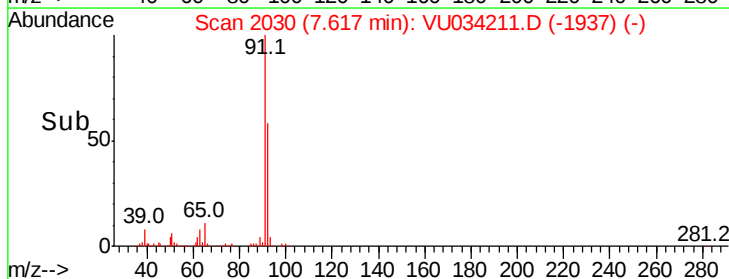
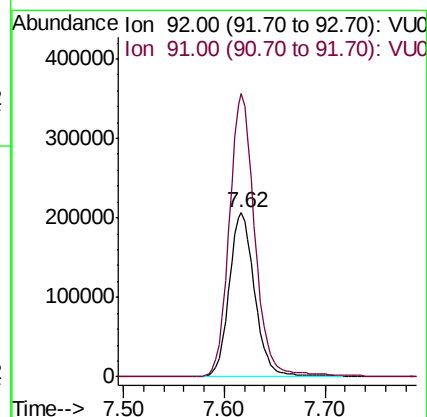
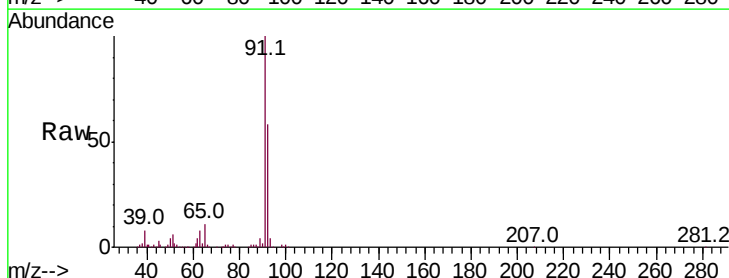
Acq: 02 Sep 2019 18:42

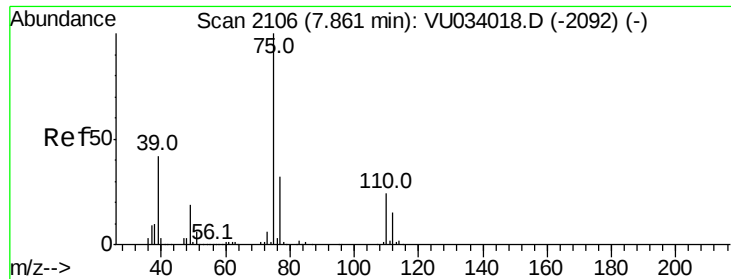
Tgt Ion: 92 Resp: 366977

Ion Ratio Lower Upper

92 100

91 172.9 138.3 207.5





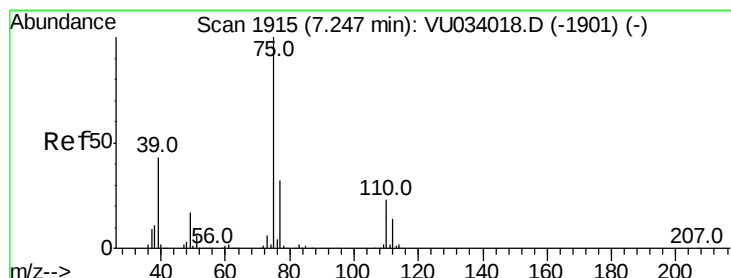
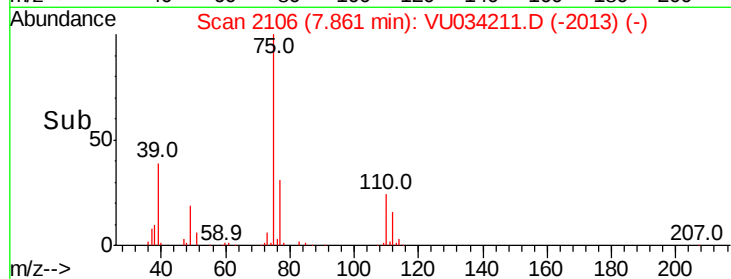
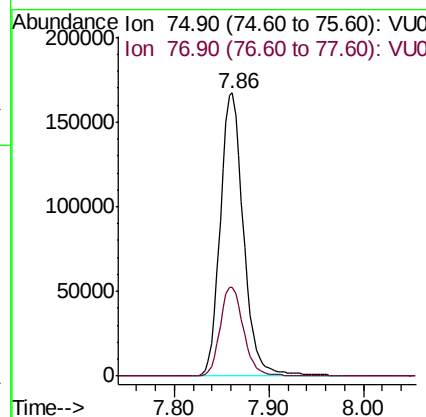
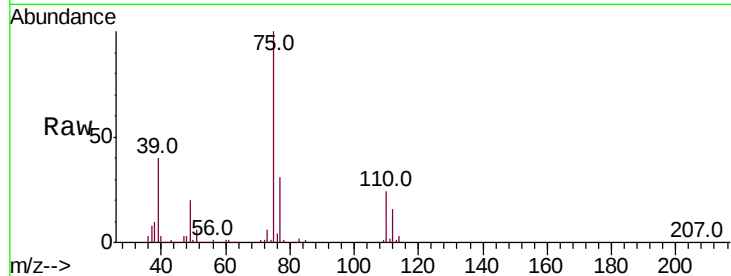
#53
 t-1,3-Dichloropropene
 Concen: 59.526 ug/l
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	75	Resp	285802
Ion Ratio	Lower	Upper	
75	100		
77	31.2	25.4	38.0

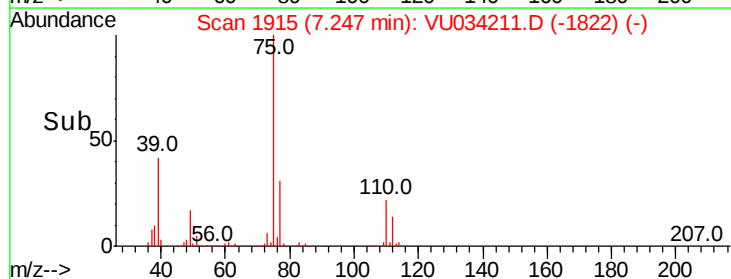
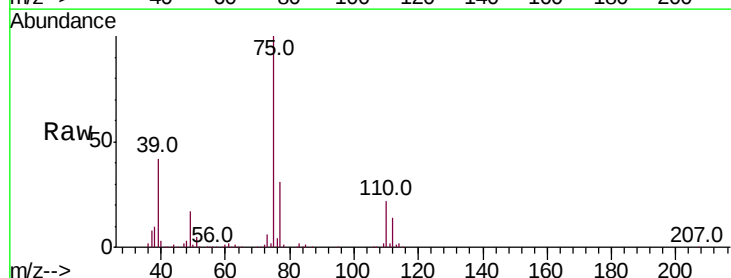
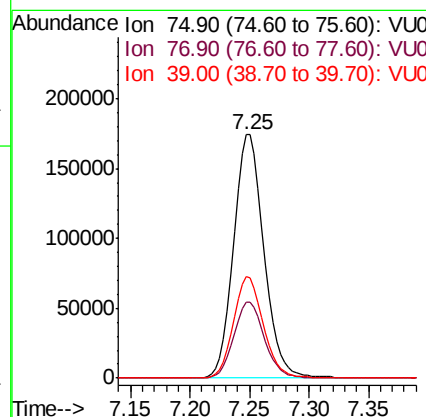
Manual Integrations
 APPROVED

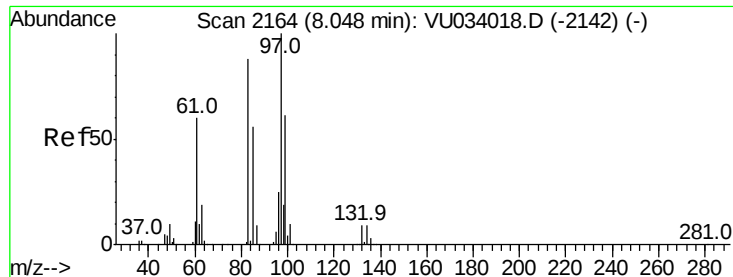
MMDadoda
 9/3/2019 1:09:43 PM



#54
 cis-1,3-Dichloropropene
 Concen: 58.646 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Tgt Ion	75	Resp	307624
Ion Ratio	Lower	Upper	
75	100		
77	31.2	25.2	37.8
39	41.4	34.6	51.8





#55

1,1,2-Trichloroethane

Concen: 65.070 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

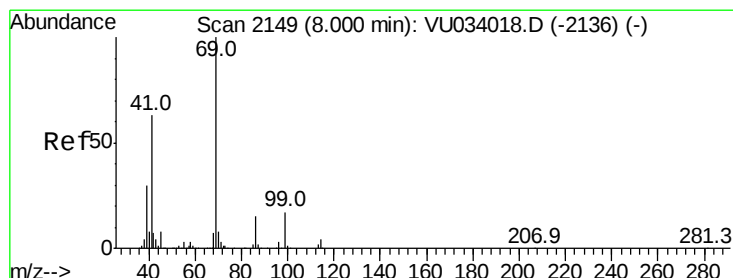
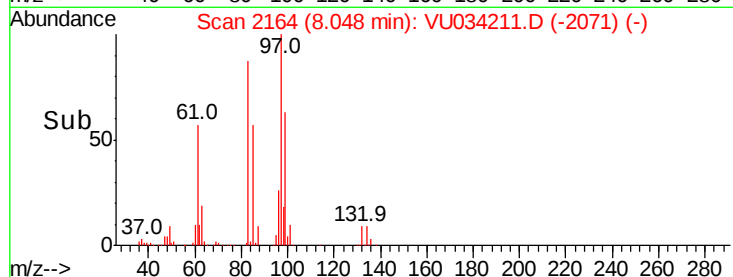
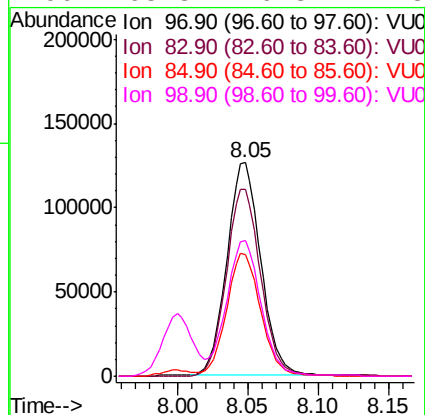
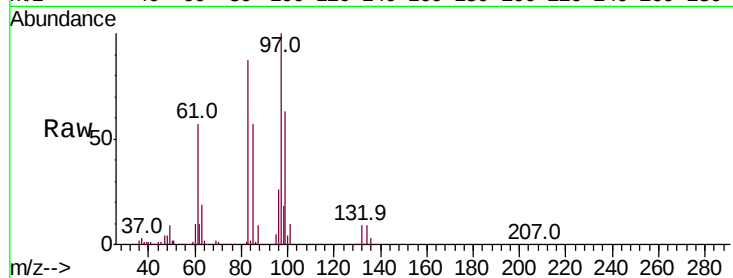
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	211446
Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.1	105.1
85	57.0	45.0	67.4
99	63.3	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 1:09:43 PM



#56

Ethyl methacrylate

Concen: 62.211 ug/l

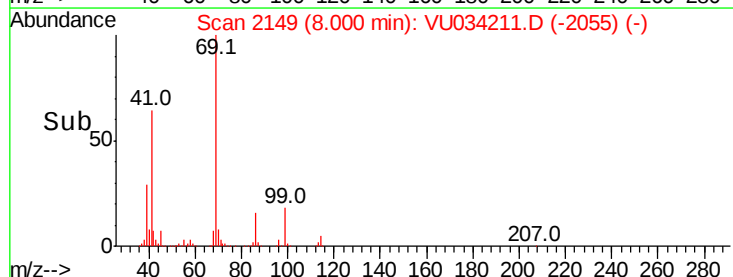
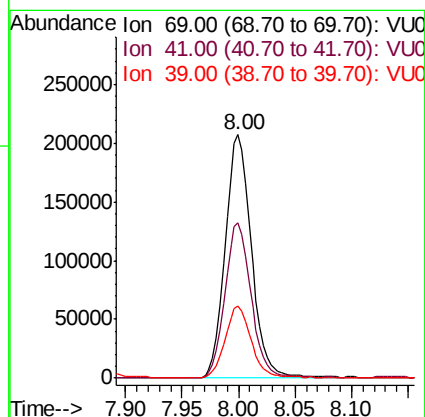
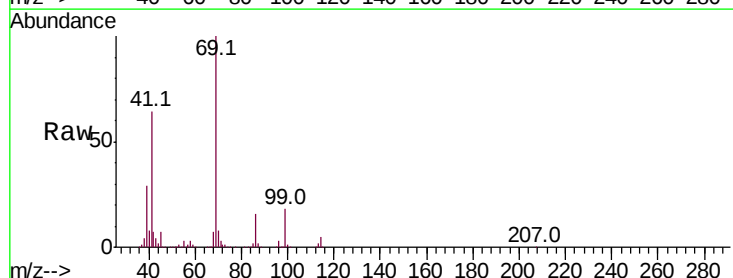
RT: 8.00 min Scan# 2149

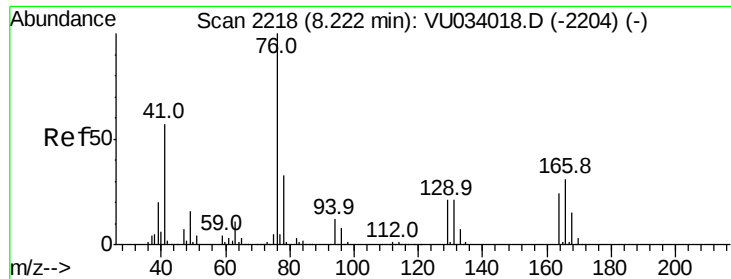
Delta R.T. 0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Tgt Ion:	69	Resp:	336624
Ion	Ratio	Lower	Upper
69	100		
41	63.2	50.7	76.1
39	29.2	24.2	36.2





#57

1,3-Dichloropropane

Concen: 64.332 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 354952

Ion Ratio Lower Upper

76 100

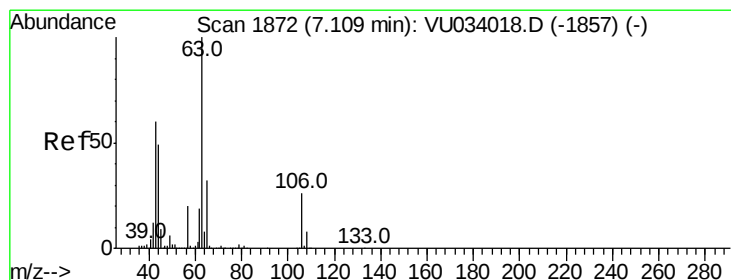
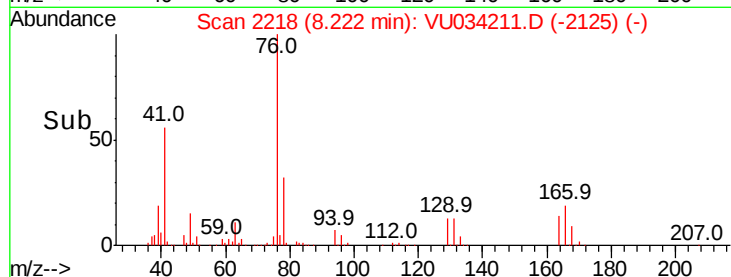
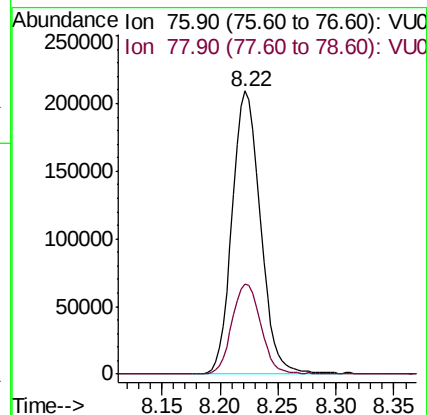
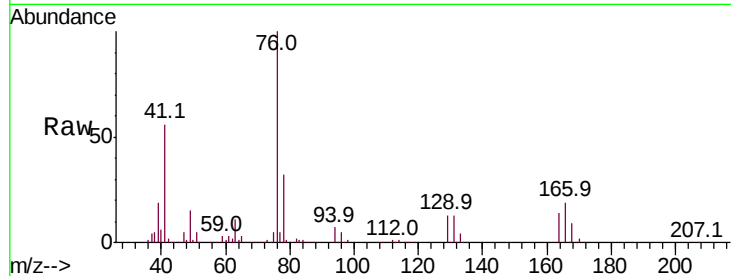
78 32.5 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

9/3/2019 1:09:43 PM



#58

2-Chloroethyl Vinyl ether

Concen: 347.504 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034211.D

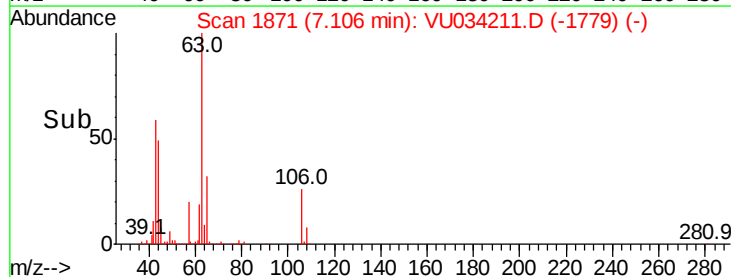
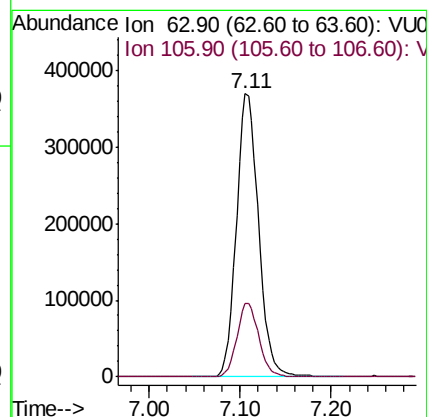
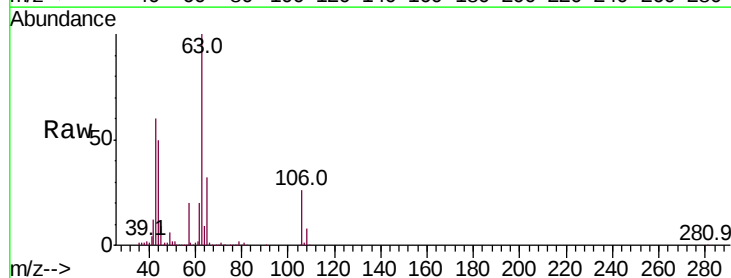
Acq: 02 Sep 2019 18:42

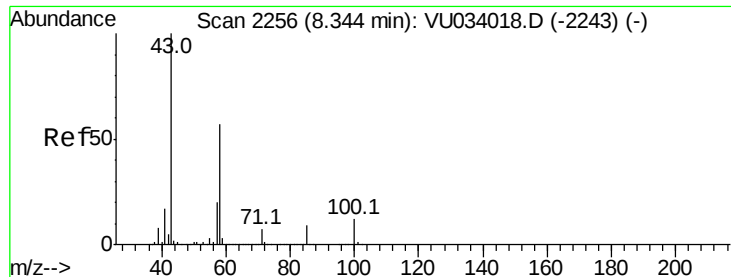
Tgt Ion: 63 Resp: 624717

Ion Ratio Lower Upper

63 100

106 25.9 20.7 31.1





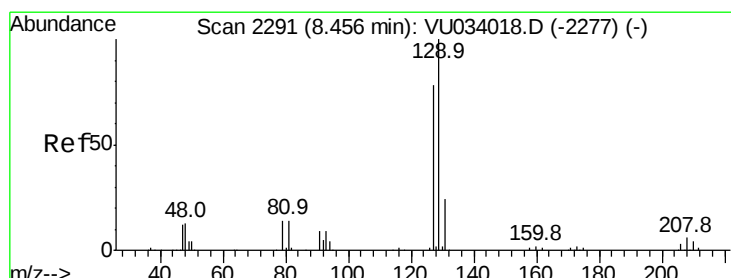
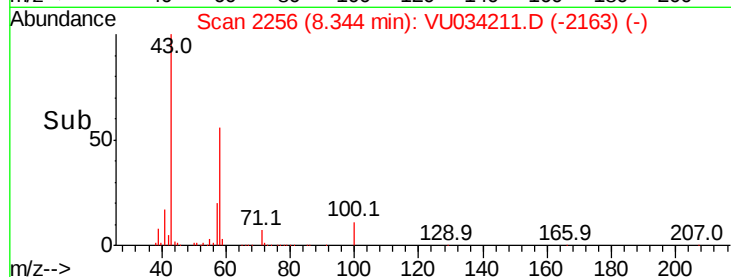
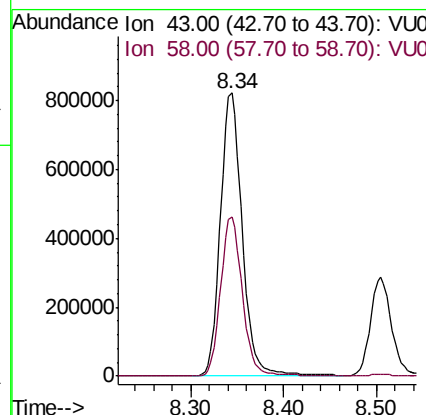
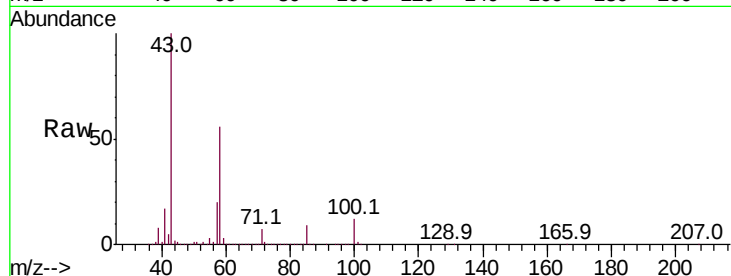
#59
2-Hexanone
Concen: 364.656 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1334983
Ion Ratio Lower Upper
43 100
58 56.8 28.4 85.3

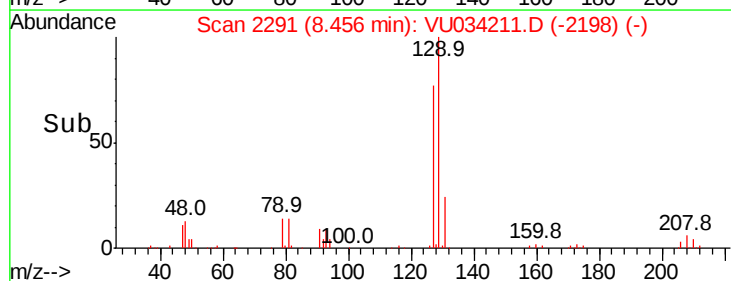
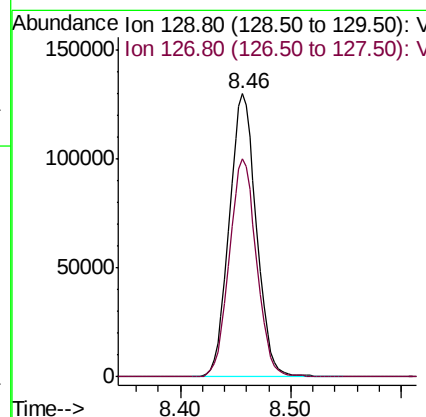
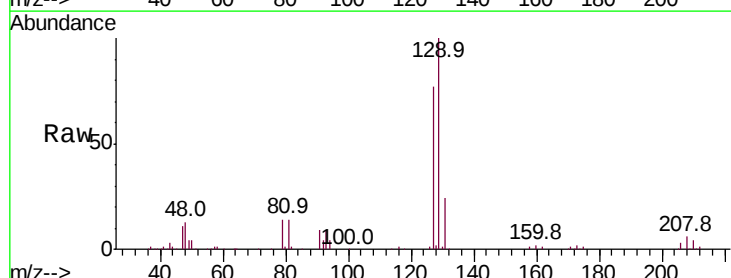
Manual Integrations
APPROVED

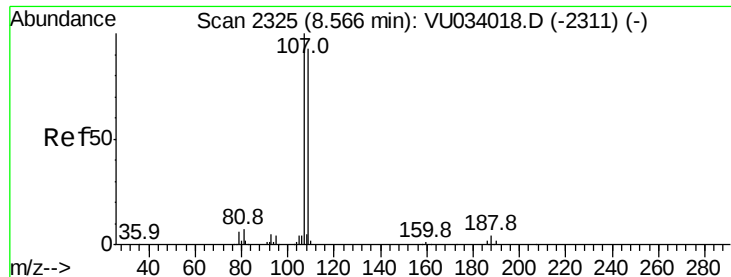
MMDadoda
9/3/2019 1:09:43 PM



#60
Dibromochloromethane
Concen: 63.537 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Tgt Ion: 129 Resp: 221626
Ion Ratio Lower Upper
129 100
127 77.3 39.0 116.9





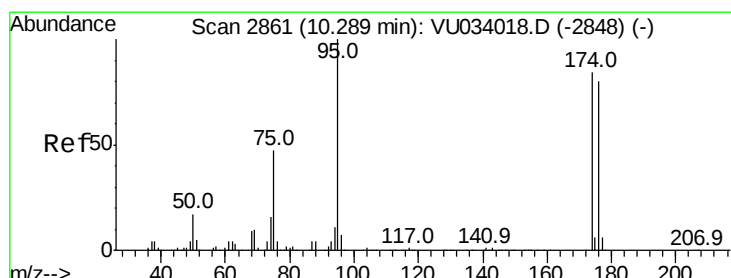
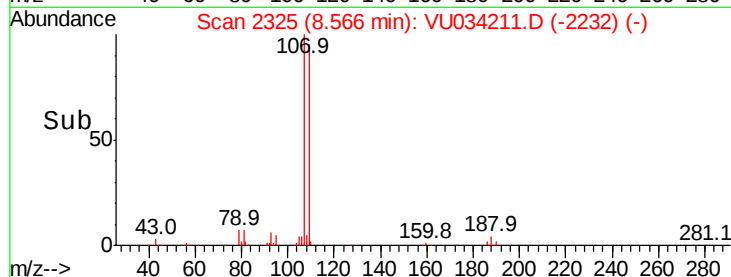
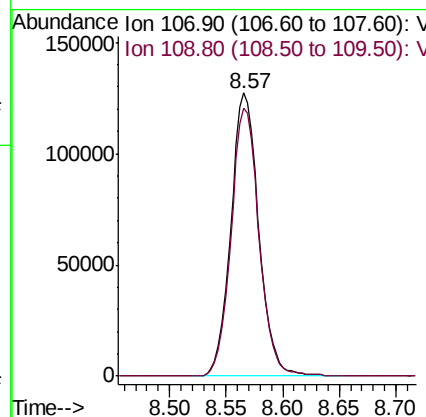
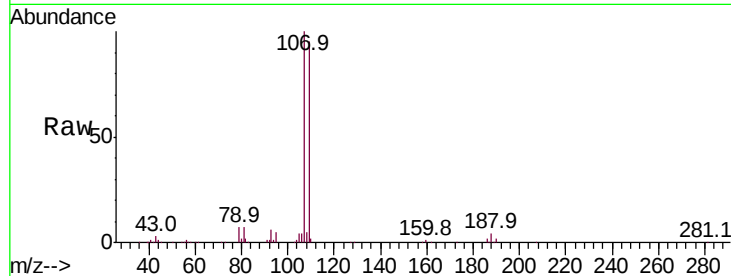
#61
 1,2-Dibromoethane
 Concen: 63.819 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.2	112.8

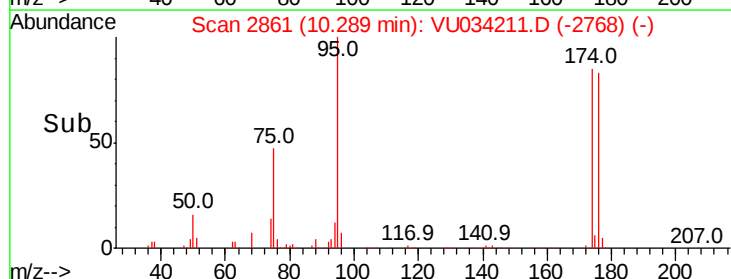
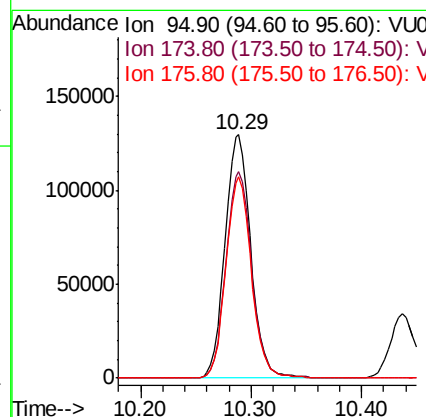
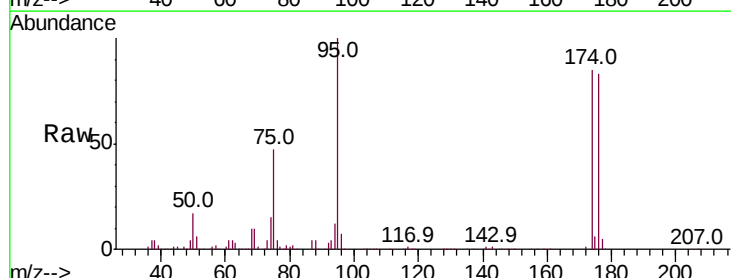
Manual Integrations
 APPROVED

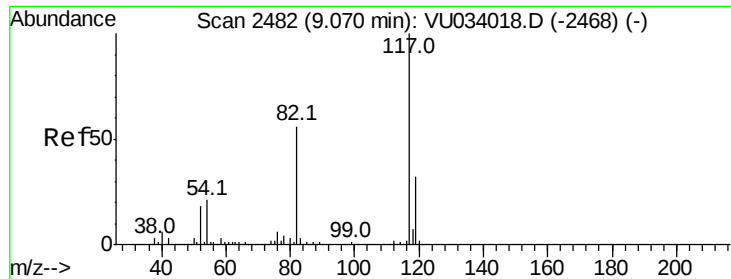
MMDadoda
 9/3/2019 1:09:43 PM



#62
 4-Bromofluorobenzene
 Concen: 47.586 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	168.8
176	81.9	0.0	161.8





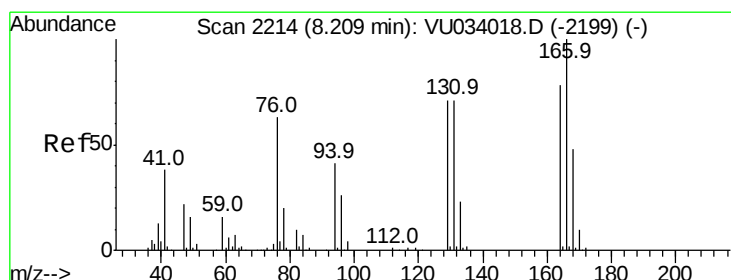
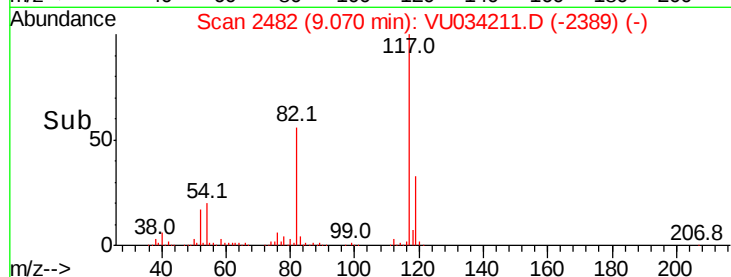
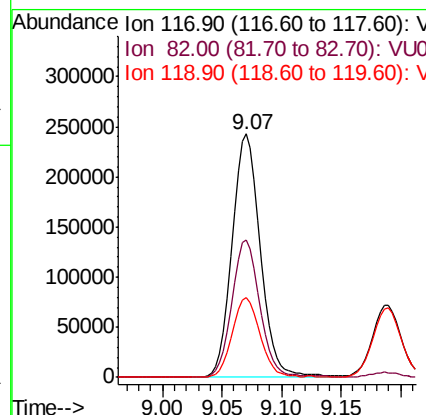
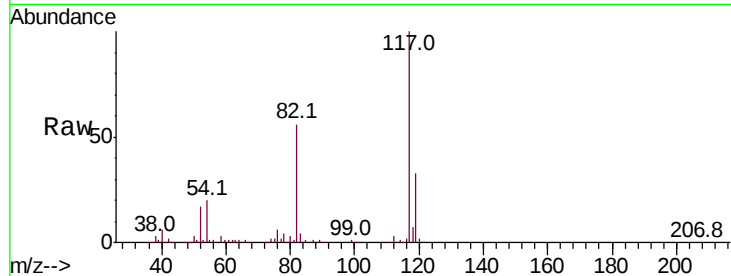
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	56.4	45.1	67.7	
119	32.9	25.4	38.0	

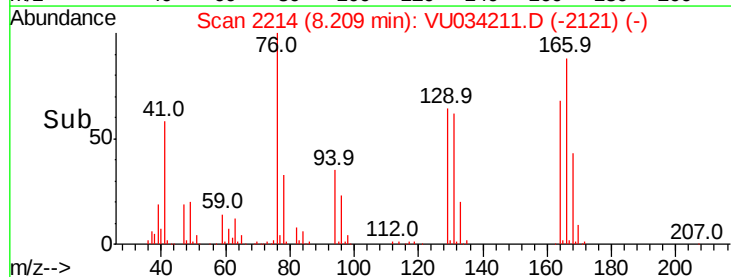
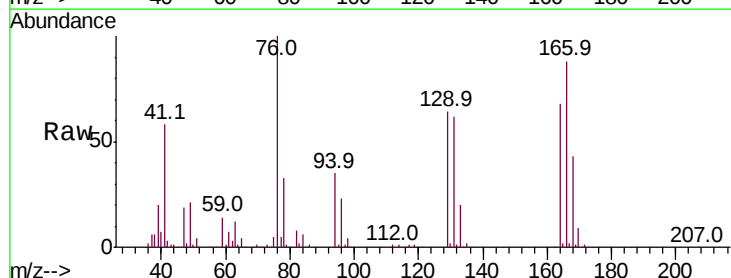
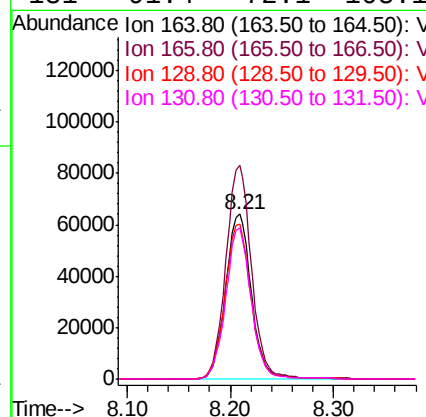
Manual Integrations
APPROVED

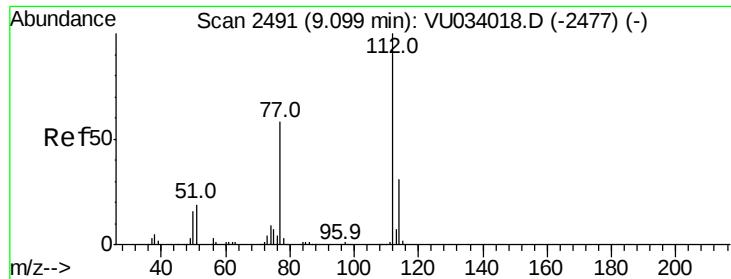
MMDadoda
9/3/2019 1:09:43 PM



#64
Tetrachloroethene
Concen: 41.577 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.8	102.2	153.2	
129	94.4	72.4	108.6	
131	91.4	72.1	108.1	





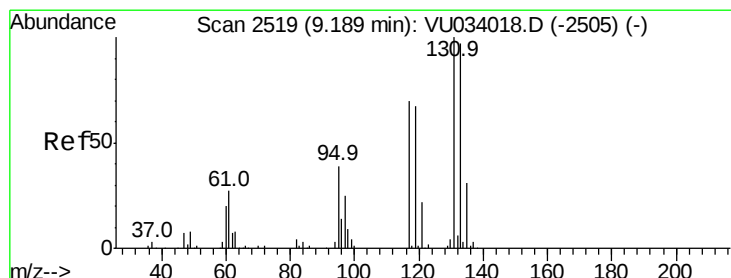
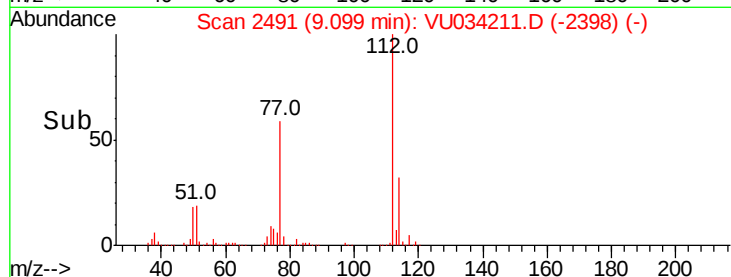
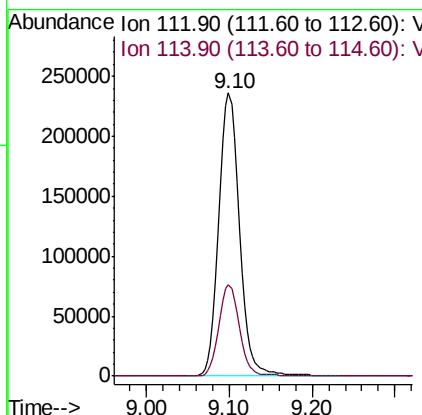
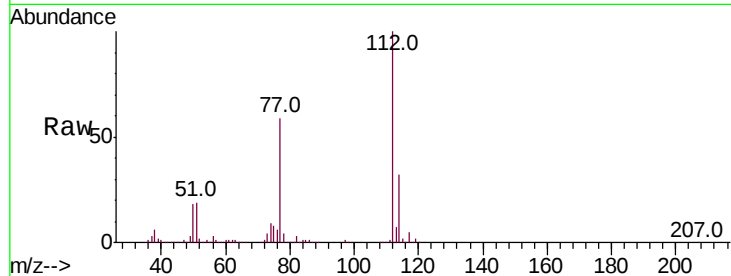
#65
Chlorobenzene
Concen: 49.424 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	408108		
114	32.2	25.0	37.4	

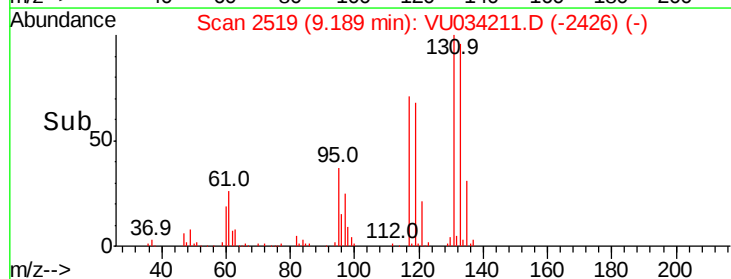
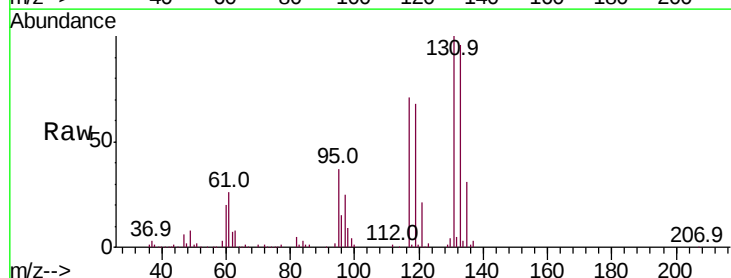
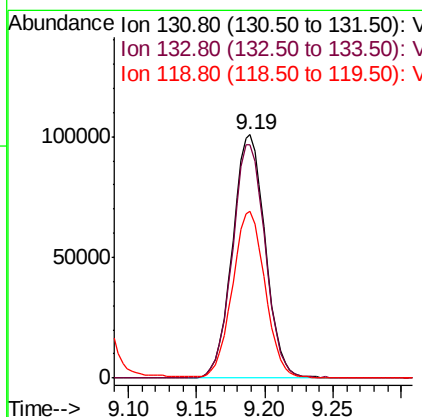
Manual Integrations
APPROVED

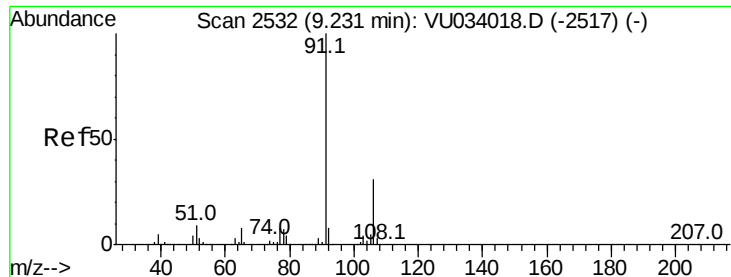
MMDadoda
9/3/2019 1:09:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 56.252 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	168430		
133	96.6	48.4	145.2	
119	67.8	33.6	100.6	





#67

Ethyl Benzene

Concen: 42.790 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 598939

Ion Ratio Lower Upper

91 100

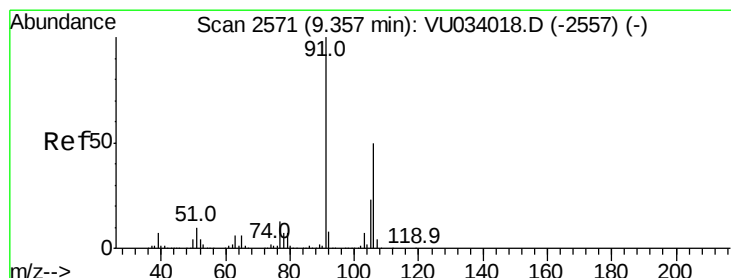
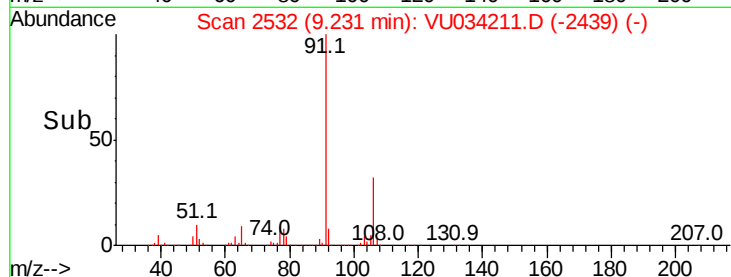
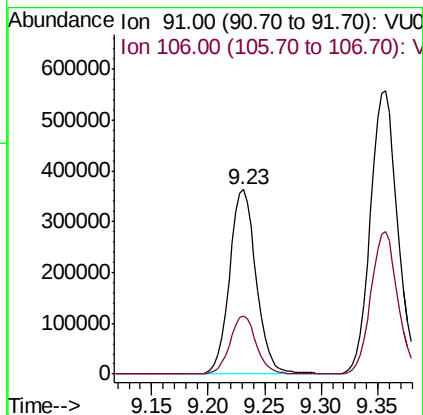
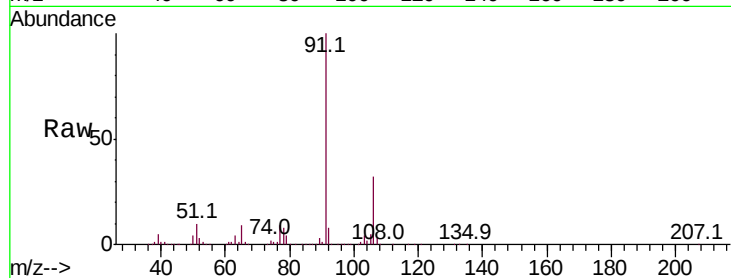
106 31.8 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

9/3/2019 1:09:43 PM



#68

m/p-Xylenes

Concen: 87.731 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU034211.D

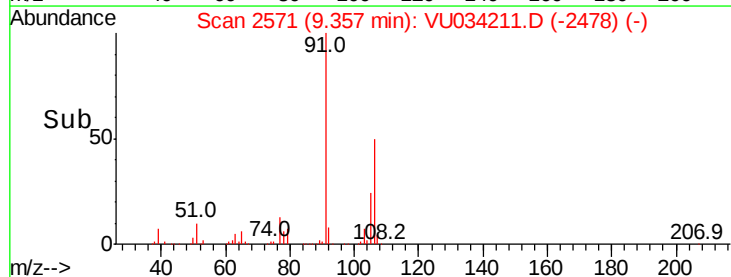
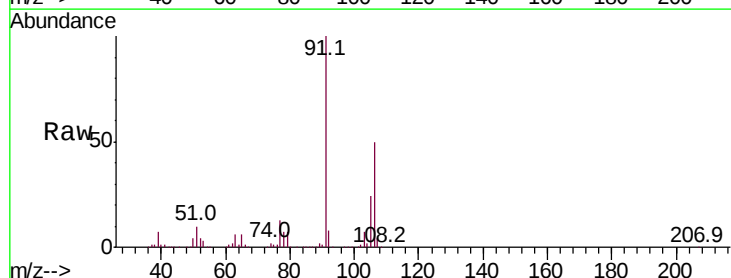
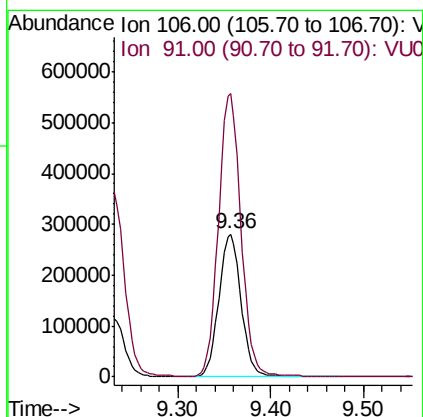
Acq: 02 Sep 2019 18:42

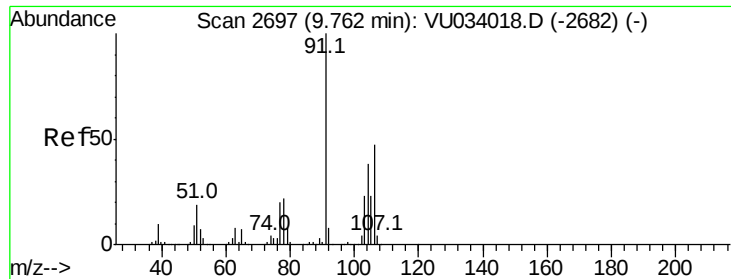
Tgt Ion: 106 Resp: 466934

Ion Ratio Lower Upper

106 100

91 200.7 161.6 242.4





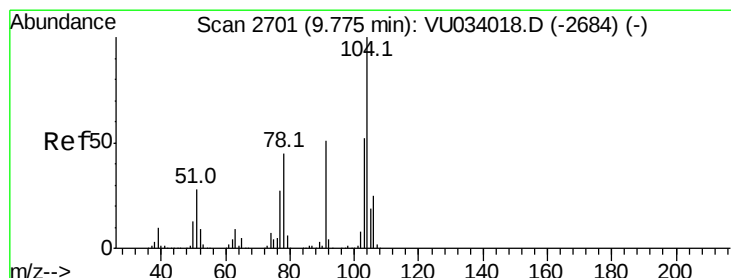
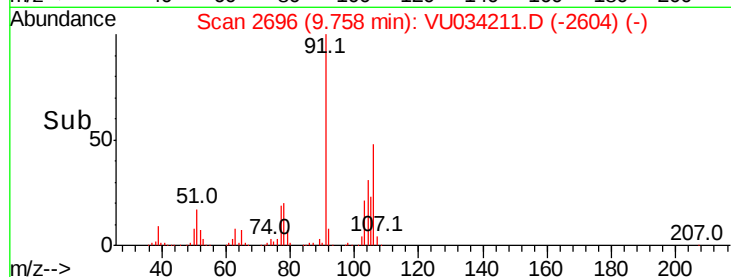
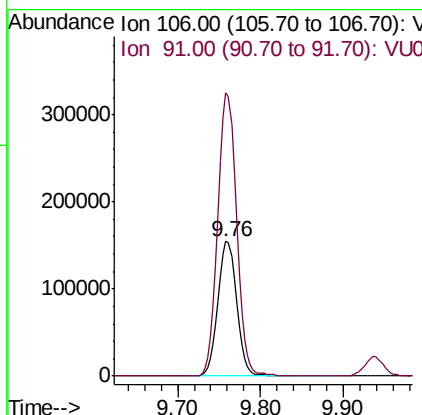
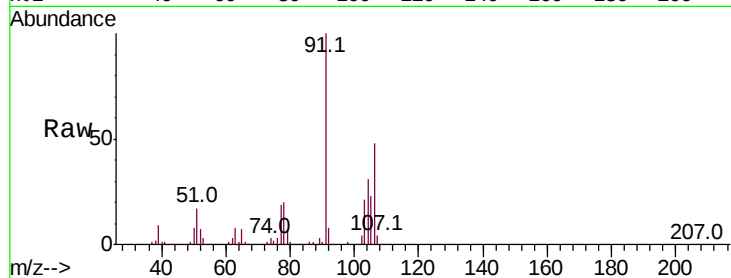
#69
o-Xylene
Concen: 47.523 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.0	106.0	318.0

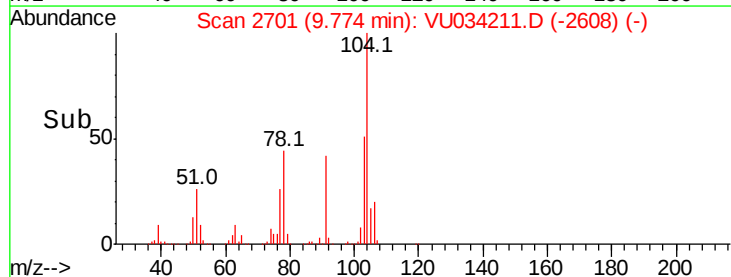
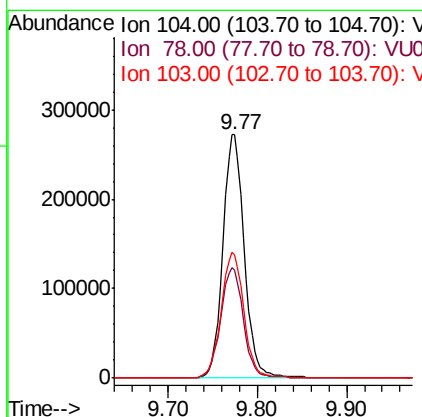
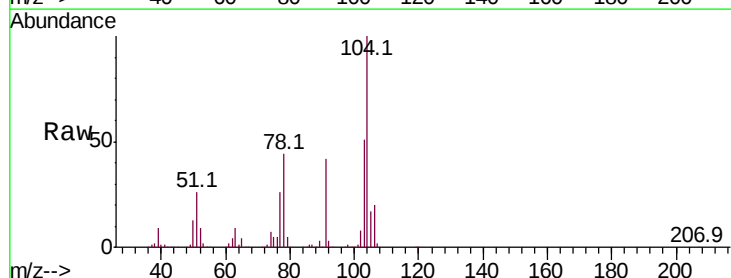
Manual Integrations
APPROVED

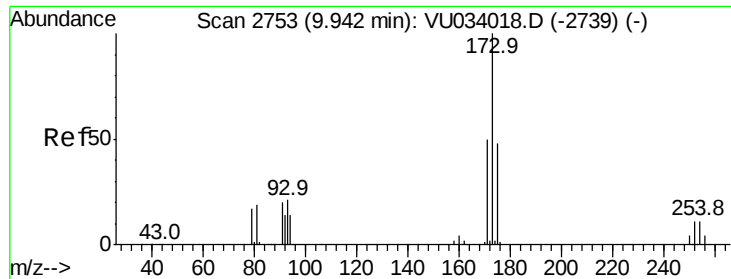
MMDadoda
9/3/2019 1:09:43 PM



#70
Styrene
Concen: 51.608 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	39.0	58.4
103	55.0	44.0	66.0





#71

Bromoform

Concen: 66.391 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034211.D

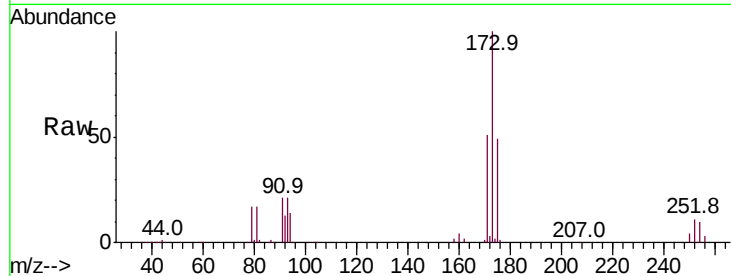
Acq: 02 Sep 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

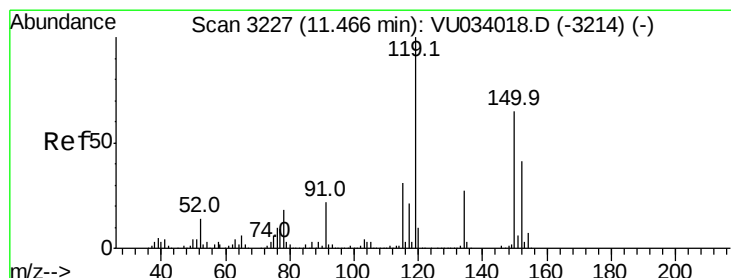
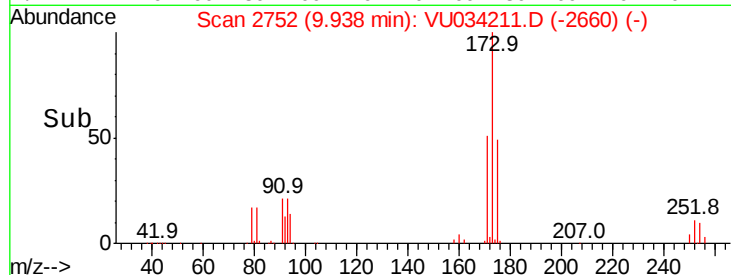
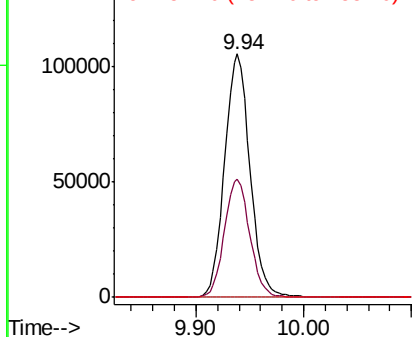
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.6
254	0.0	0.0	0.0#

Manual Integrations
APPROVED

MMDadoda
9/3/2019 1:09:43 PM



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

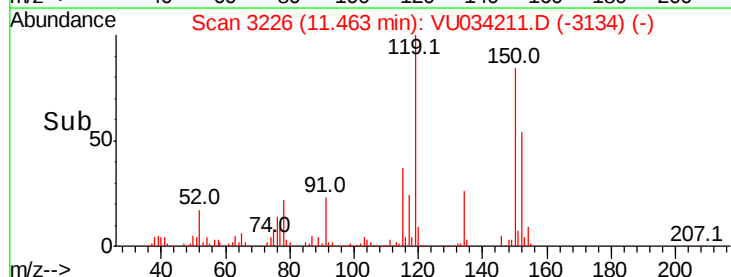
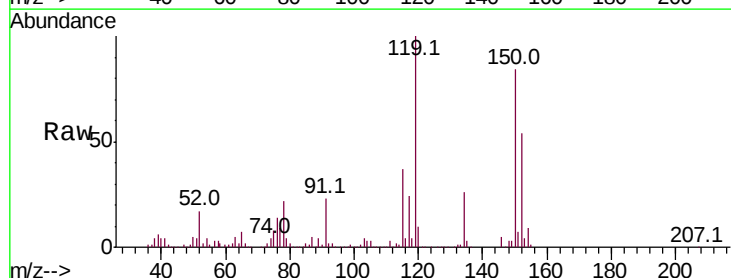
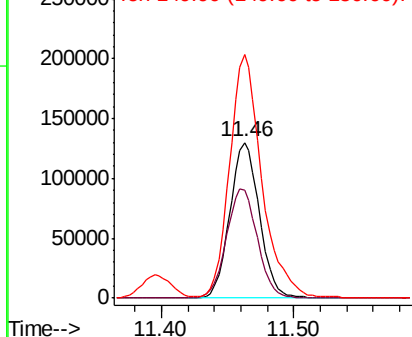
Delta R.T. -0.00 min

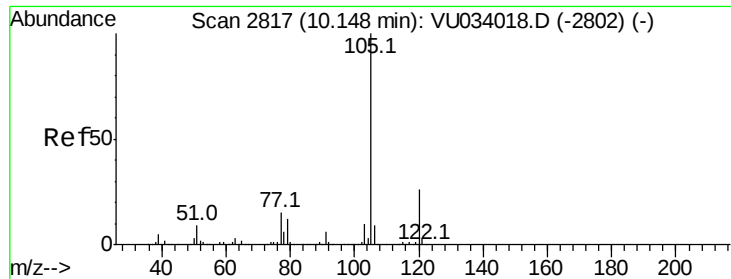
Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	73.6	41.1	123.3
150	170.5	0.0	348.8

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: 41.080 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 552986

Ion Ratio Lower Upper

105 100

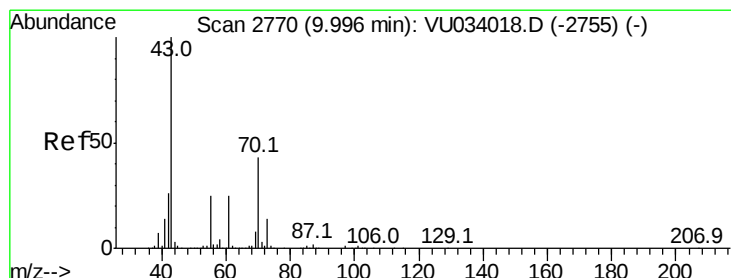
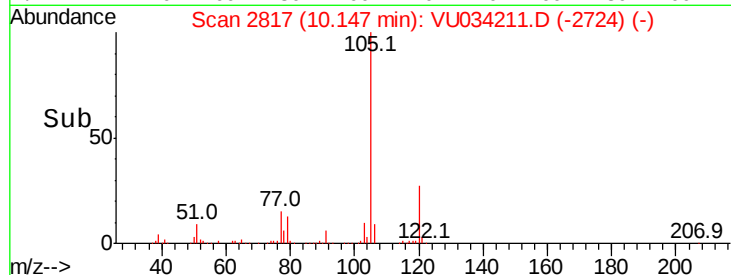
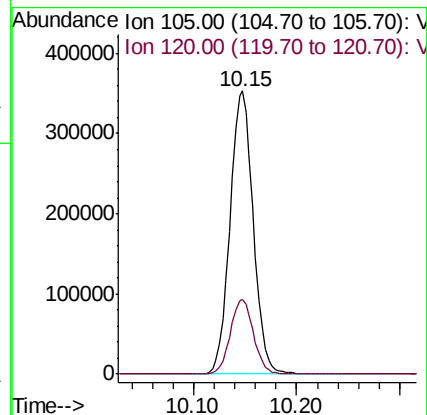
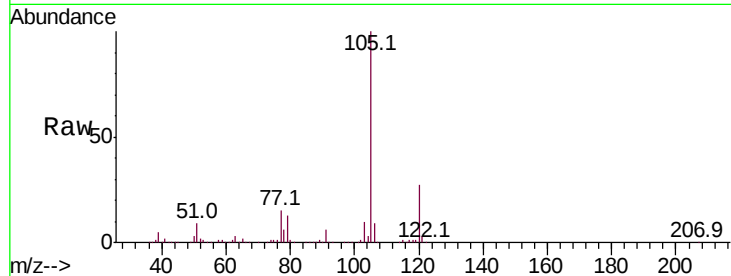
120 26.5 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

9/3/2019 1:09:43 PM



#74

N-ethyl acetate

Concen: 74.056 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Tgt Ion: 43 Resp: 419277

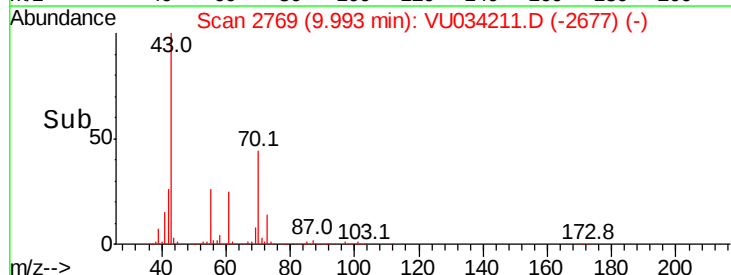
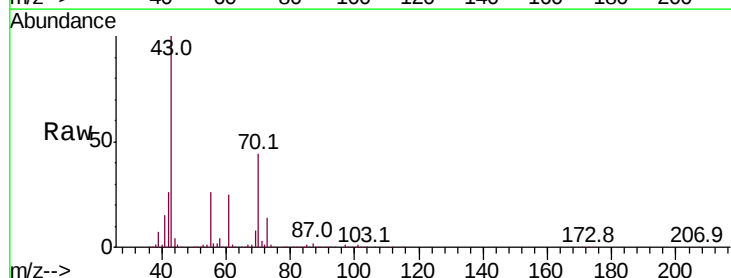
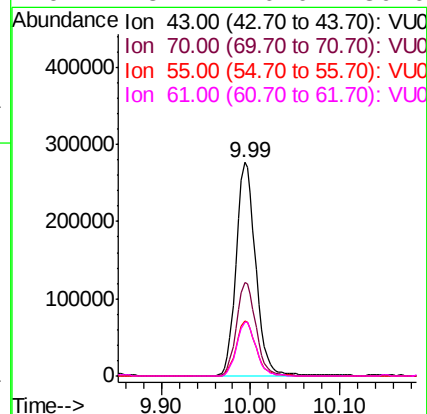
Ion Ratio Lower Upper

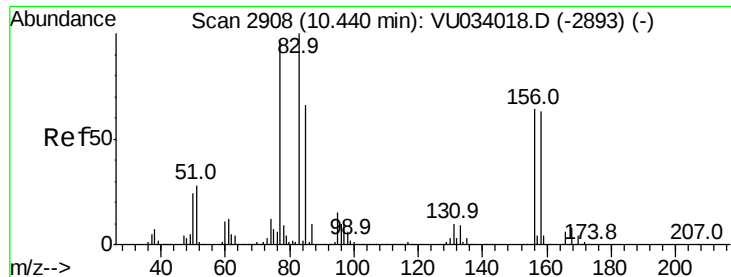
43 100

70 43.7 35.2 52.8

55 26.1 20.5 30.7

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 71.335 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 367535
Ion Ratio Lower Upper

83 100

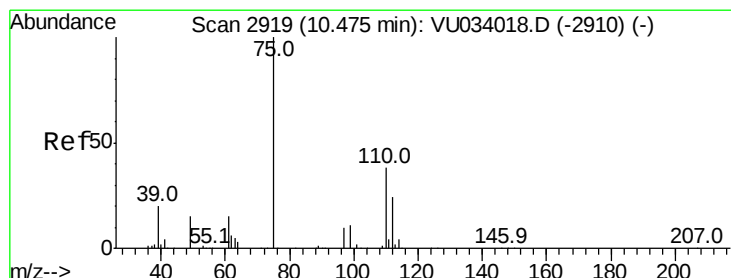
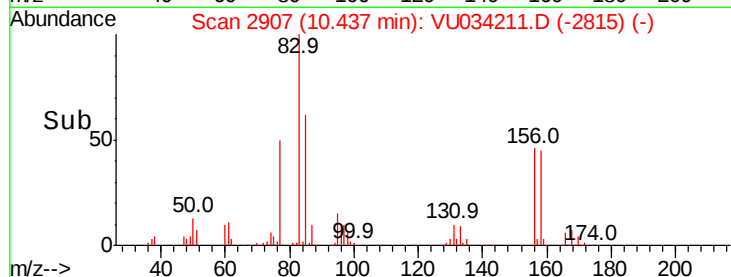
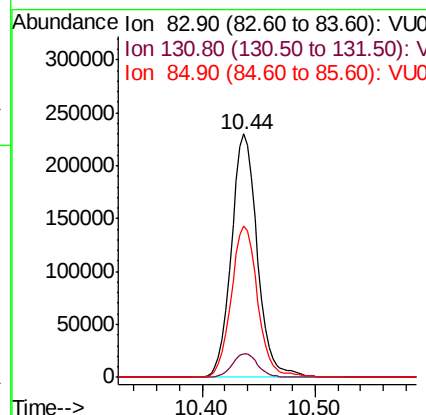
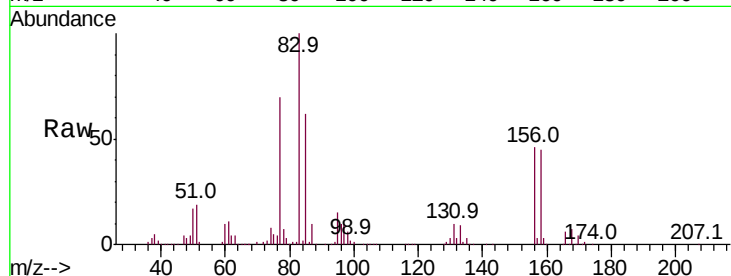
131 9.7 5.0 14.9

85 63.7 32.2 96.6

Manual Integrations
APPROVED

MMDadoda

9/3/2019 1:09:43 PM



#76

1,2,3-Trichloropropane

Concen: 68.286 ug/l m

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

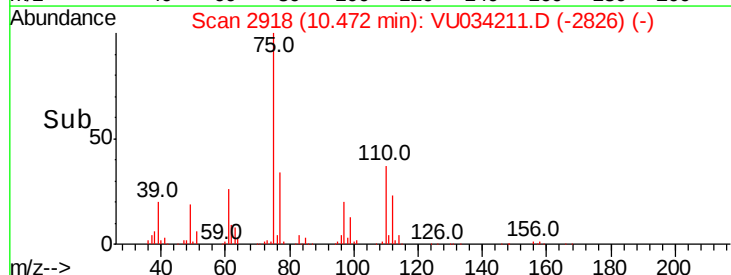
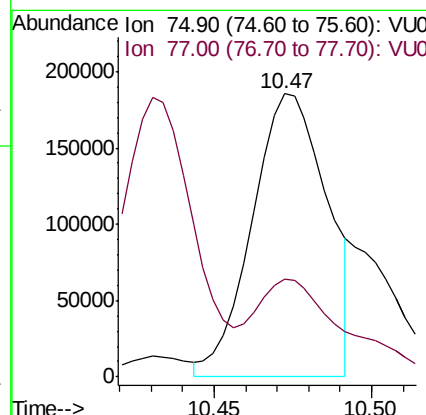
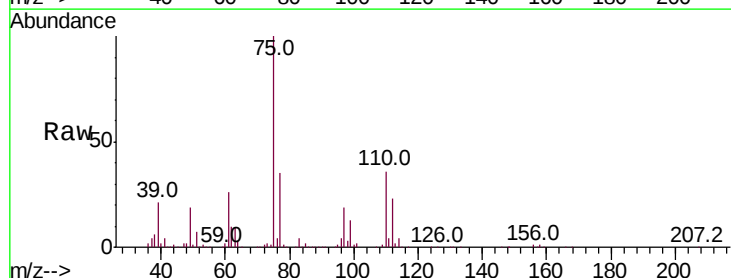
Lab File: VU034211.D

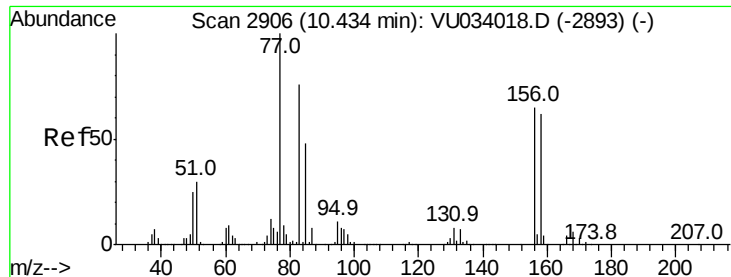
Acq: 02 Sep 2019 18:42

Tgt Ion: 75 Resp: 308432
Ion Ratio Lower Upper

75 100

77 42.5 20.1 60.2





#77

Bromobenzene

Concen: 52.806 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

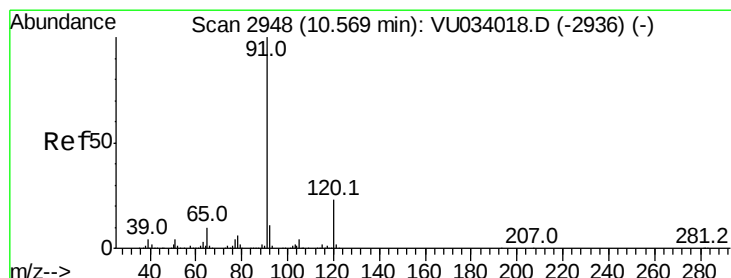
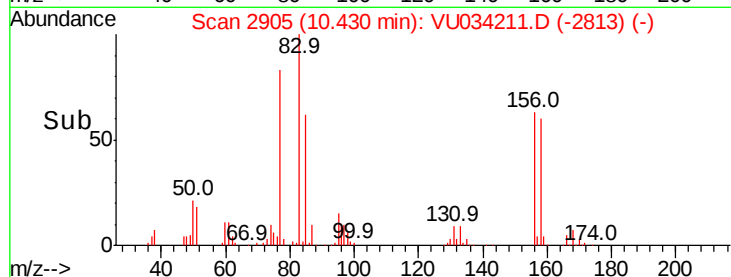
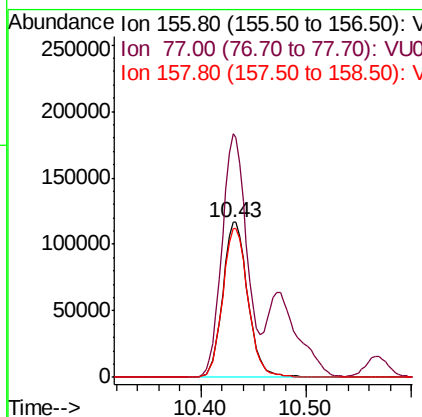
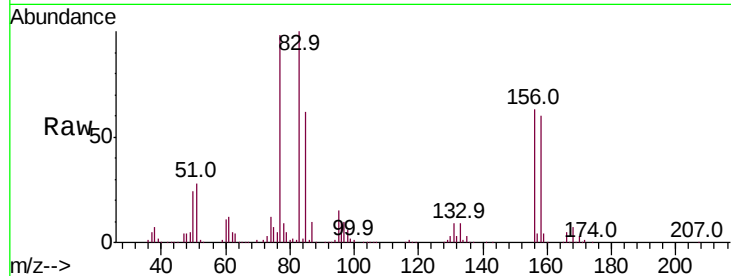
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	191215
Ion Ratio	Lower	Upper	
156	100		
77	154.6	76.8	230.5
158	97.4	48.4	145.0

Manual Integrations
APPROVED

MMDadoda
9/3/2019 1:09:43 PM



#78

n-propylbenzene

Concen: 39.655 ug/l

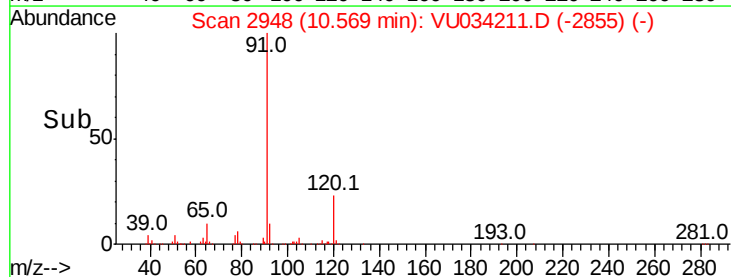
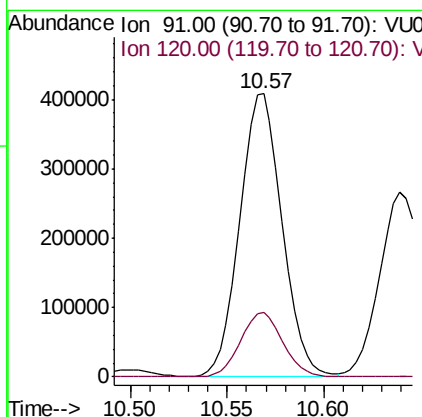
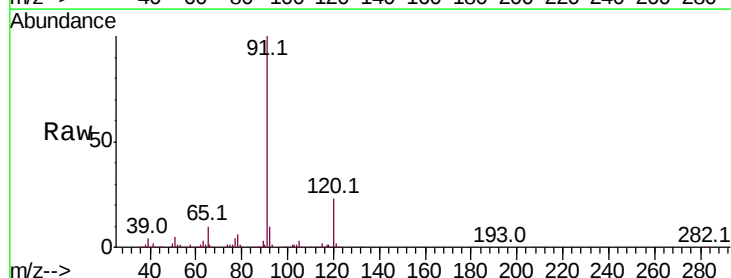
RT: 10.57 min Scan# 2948

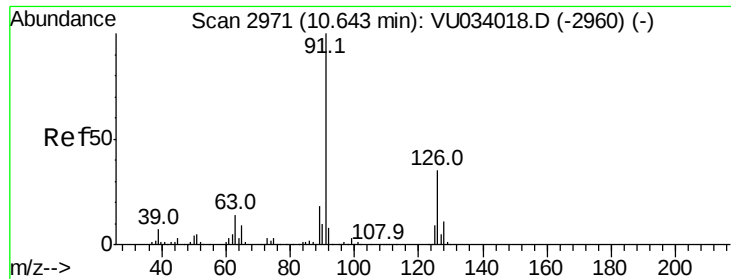
Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Tgt Ion:	91	Resp:	621660
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.7	35.0





#79

2-Chlorotoluene

Concen: 44.954 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 422705

Ion Ratio Lower Upper

91 100

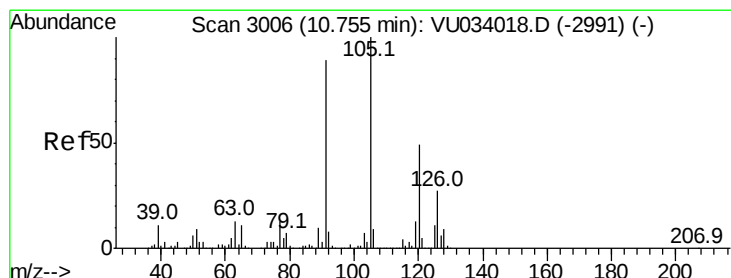
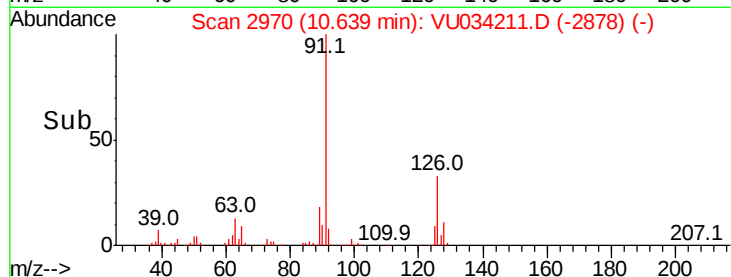
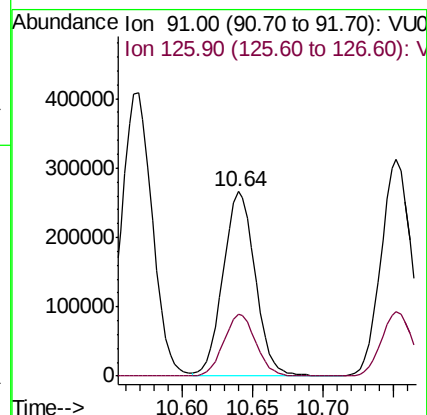
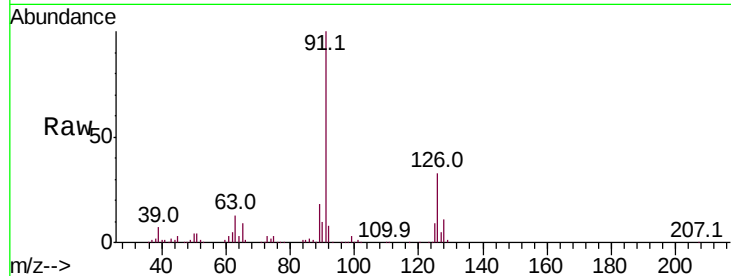
126 33.5 17.1 51.2

Manual Integrations

APPROVED

MMDadoda

9/3/2019 1:09:43 PM



#80

1,3,5-Trimethylbenzene

Concen: 43.222 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034211.D

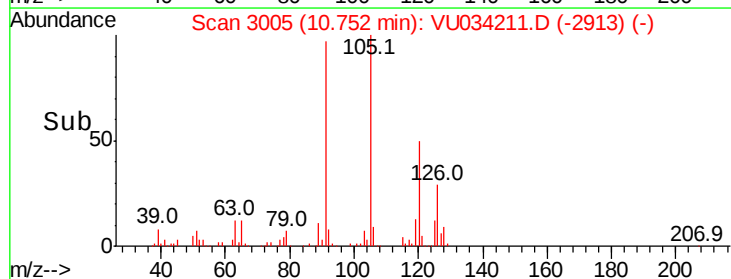
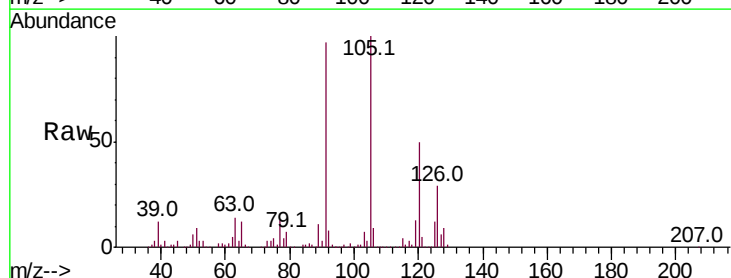
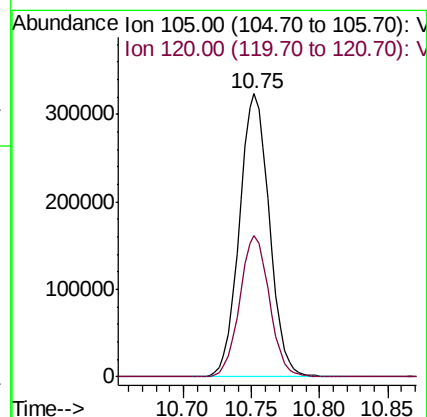
Acq: 02 Sep 2019 18:42

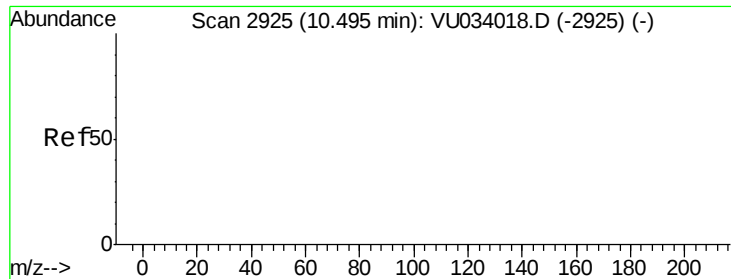
Tgt Ion: 105 Resp: 493127

Ion Ratio Lower Upper

105 100

120 49.6 24.6 73.6





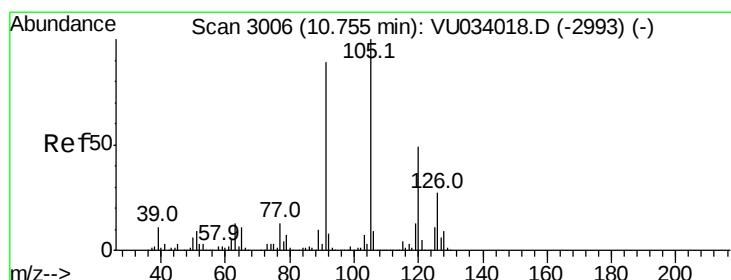
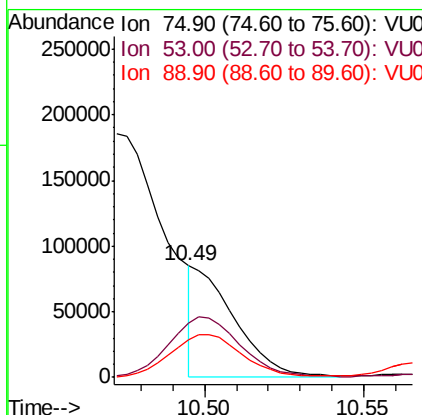
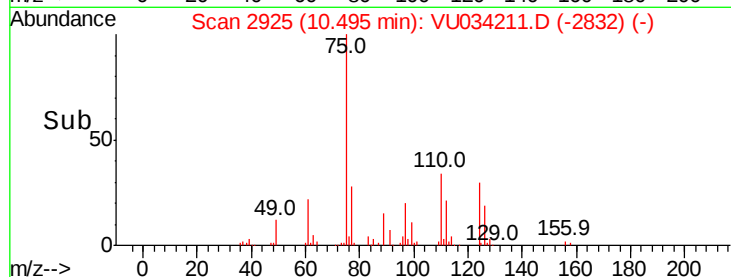
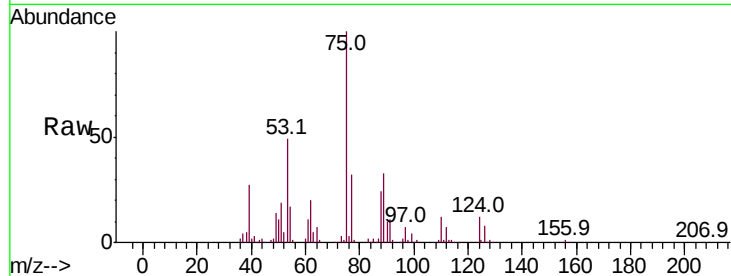
#81
trans-1,4-Dichloro-2-butene
Concen: 56.359 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

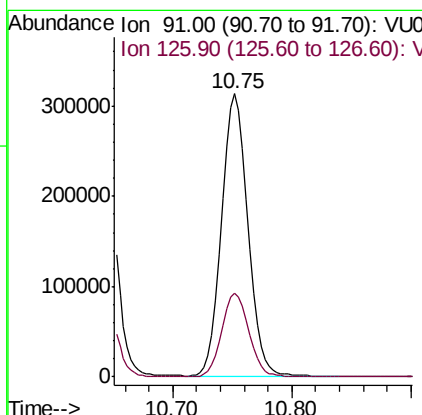
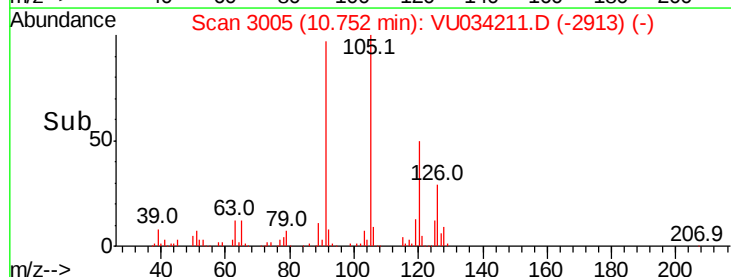
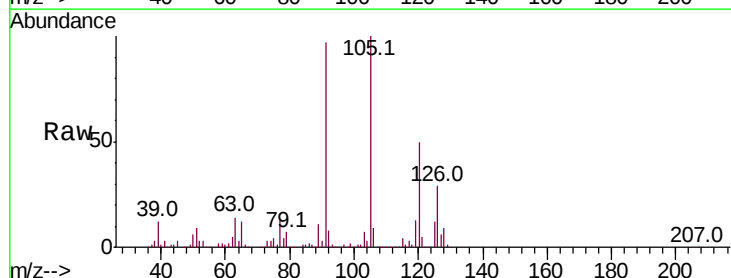
Manual Integrations
APPROVED

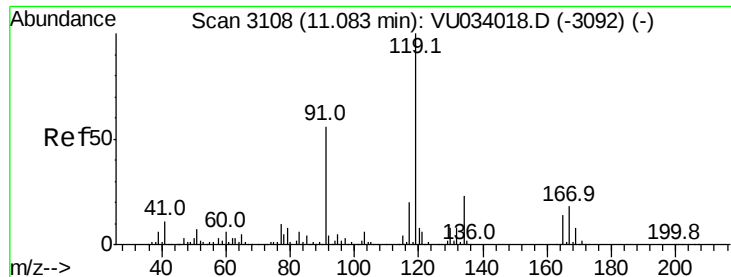
MMDadoda
9/3/2019 1:09:43 PM



#82
4-Chlorotoluene
Concen: 44.450 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.0	45.1





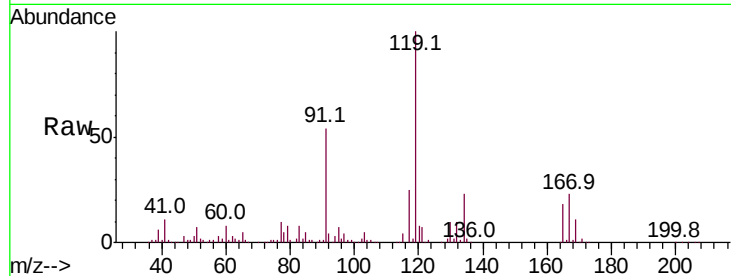
#83
tert-Butylbenzene
Concen: 40.516 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	455057		
91	53.5	27.9	83.6	
134	22.8	11.4	34.2	

Manual Integrations
APPROVED

MMDadoda
9/3/2019 1:09:43 PM

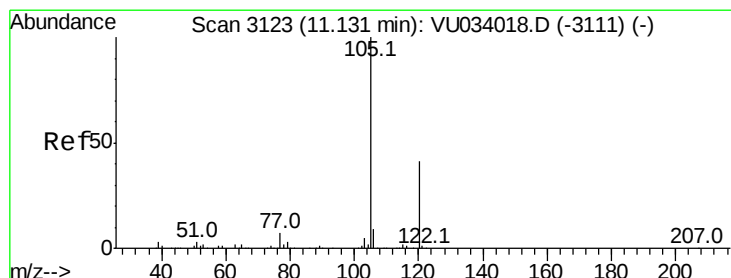
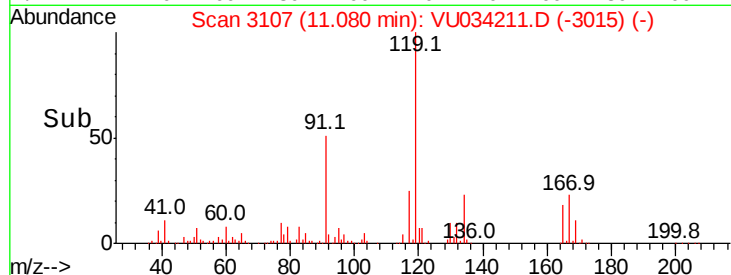
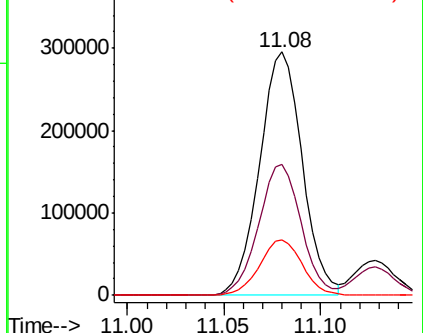


Abundance

Ion 119.00 (118.70 to 119.70): V

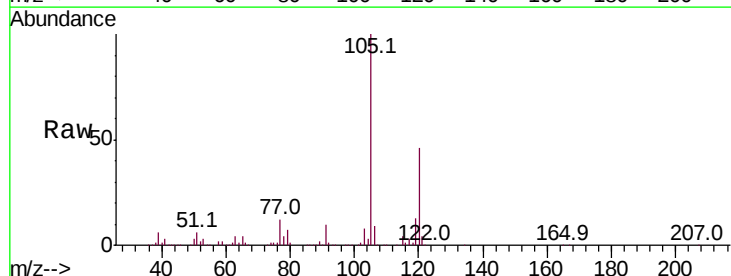
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 45.205 ug/l
RT: 11.13 min Scan# 3122
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

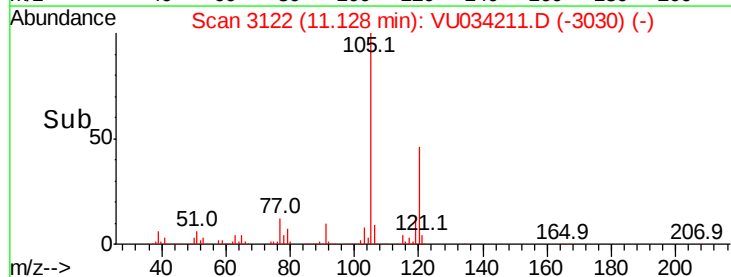
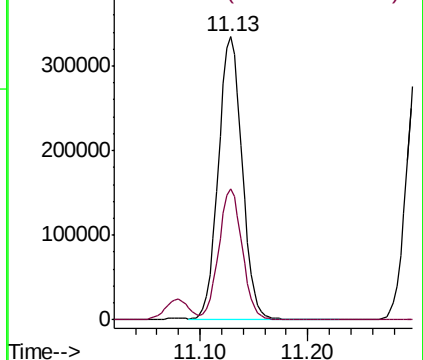
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	512134		
120	45.7	22.6	67.8	

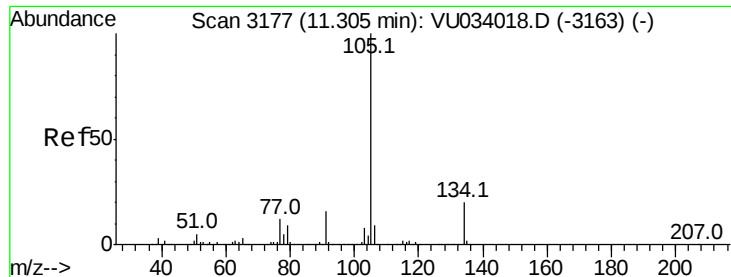


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





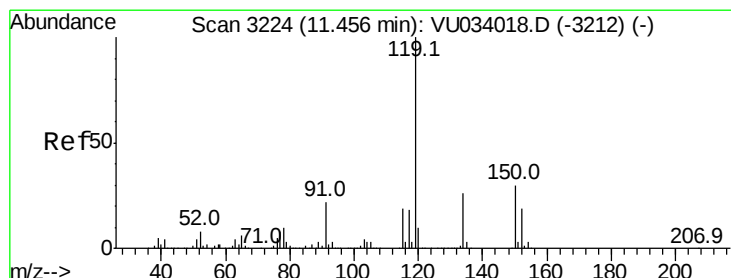
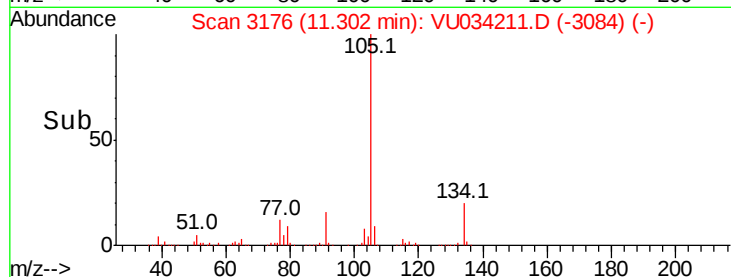
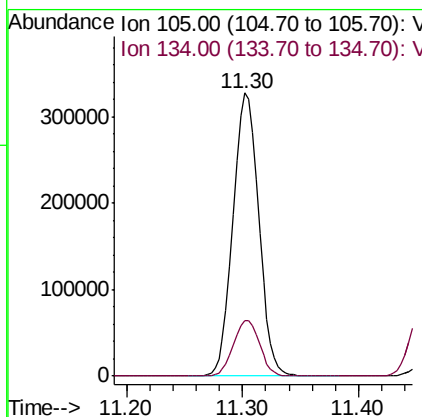
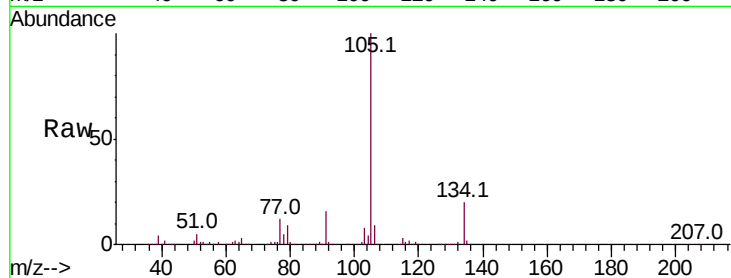
#85
 sec-Butylbenzene
 Concen: 37.163 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	500272		
134	20.2		10.0	30.0

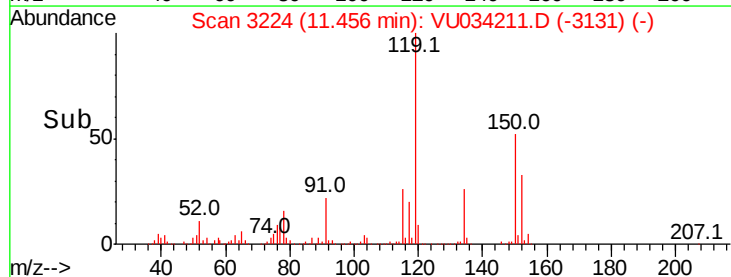
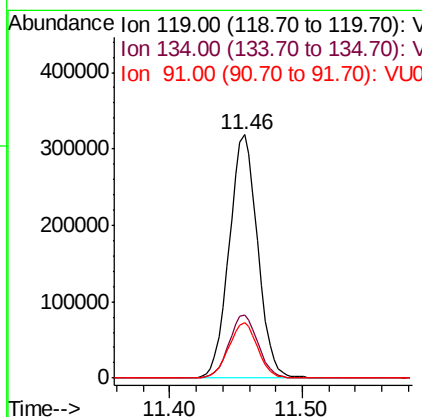
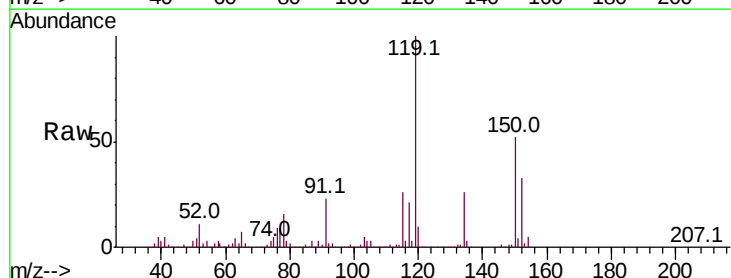
Manual Integrations
 APPROVED

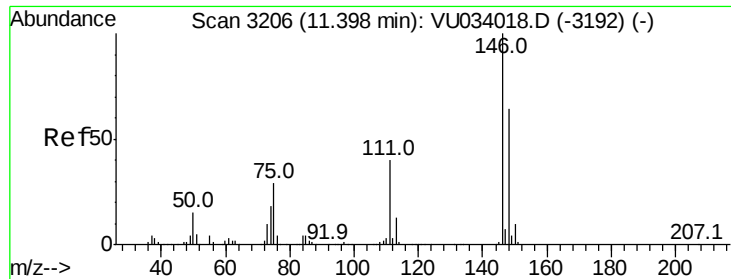
MMDadoda
 9/3/2019 1:09:43 PM



#86
 p-Isopropyltoluene
 Concen: 38.751 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. -0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	471790		
134	26.6		13.1	39.1
91	22.9		11.2	33.6





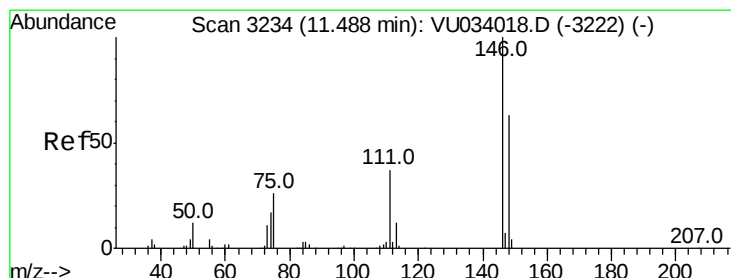
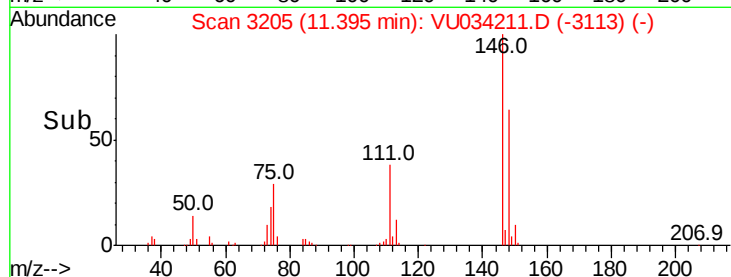
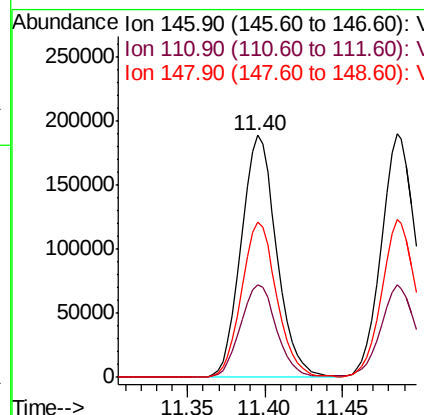
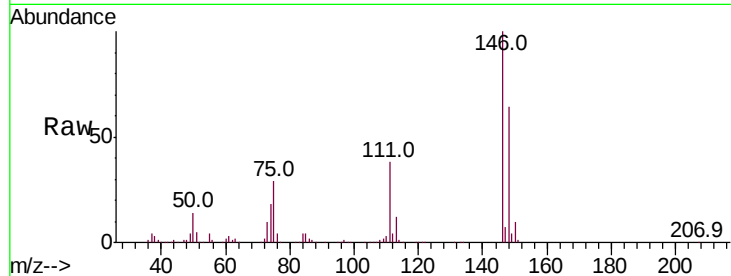
#87
 1,3-Dichlorobenzene
 Concen: 46.823 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.9	59.6
148	63.7	31.9	95.5

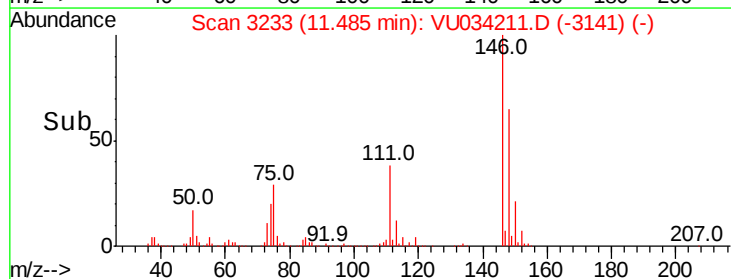
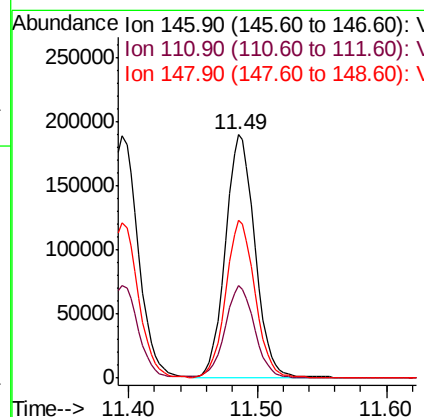
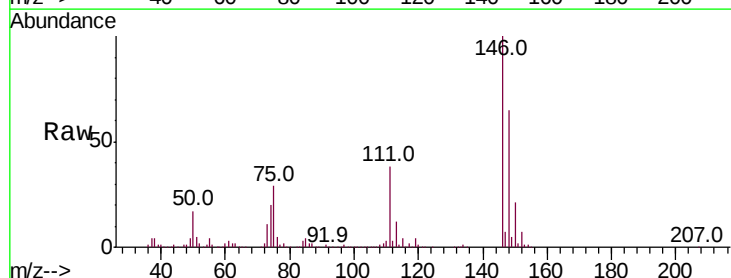
Manual Integrations
 APPROVED

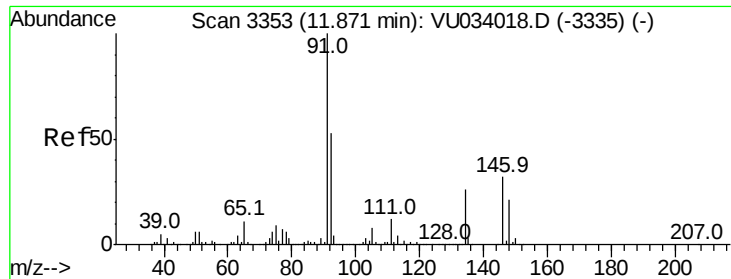
MMDadoda
 9/3/2019 1:09:43 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.222 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.2	57.6
148	64.1	31.9	95.9





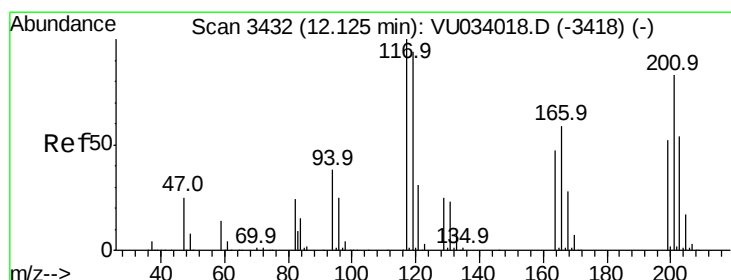
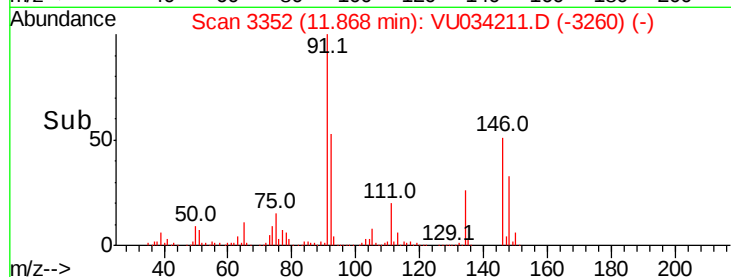
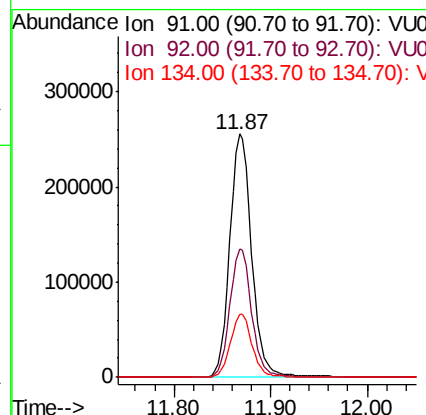
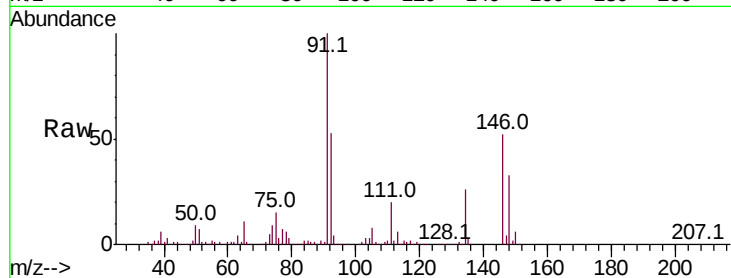
#89
n-Butylbenzene
Concen: 37.353 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.9
134	25.9	12.9	38.7

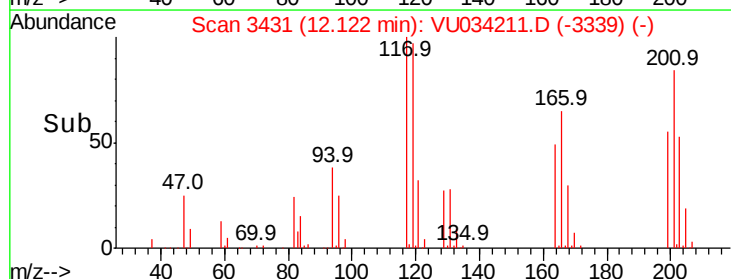
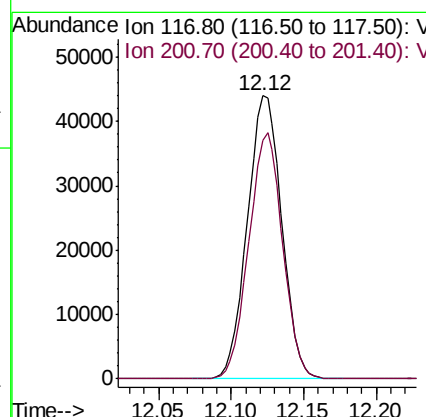
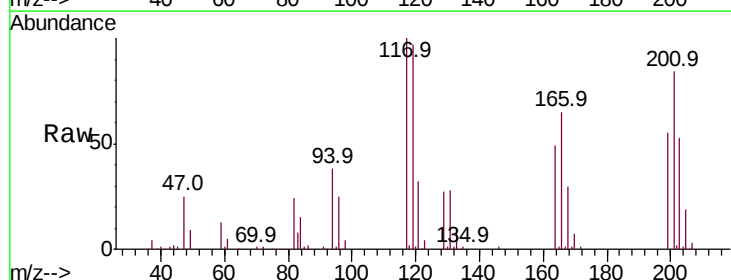
Manual Integrations
APPROVED

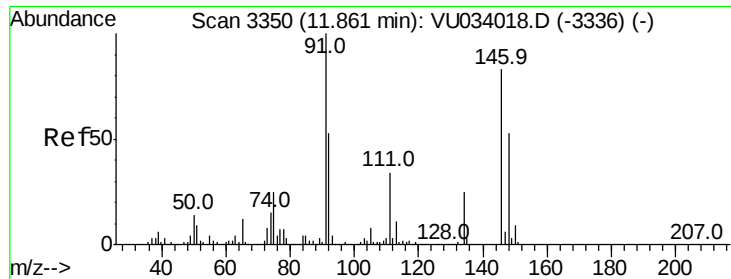
MMDadoda
9/3/2019 1:09:43 PM



#90
Hexachloroethane
Concen: 34.635 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034211.D
Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	42.5	127.6





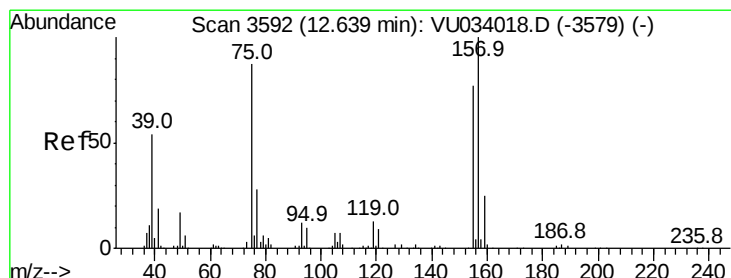
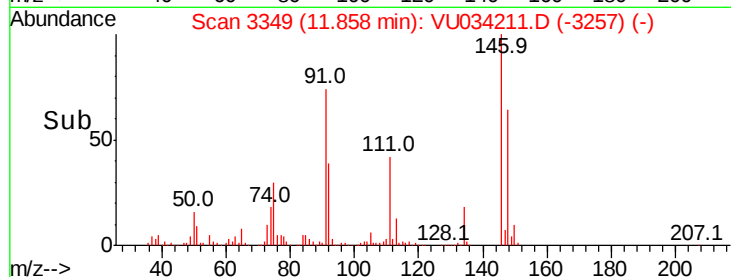
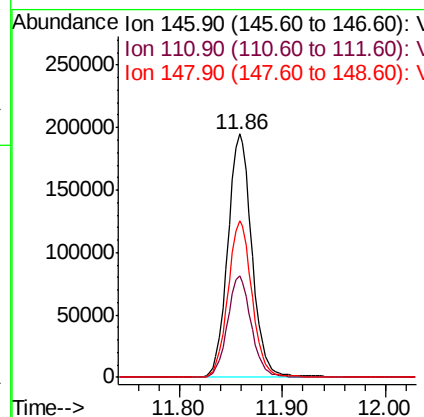
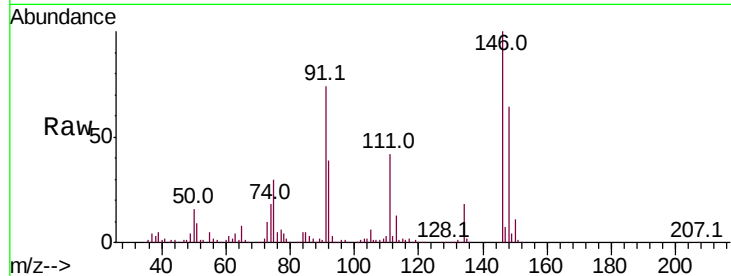
#91
 1,2-Dichlorobenzene
 Concen: 51.529 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	316437		
111	41.1	20.4	61.2	
148	64.2	32.3	96.8	

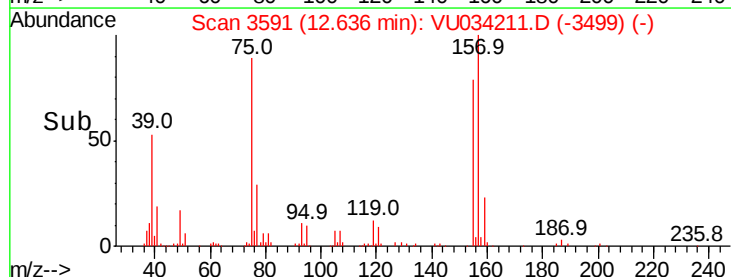
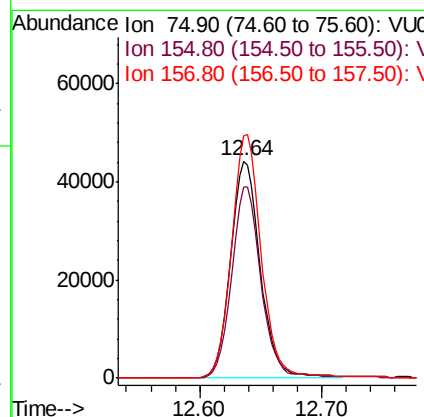
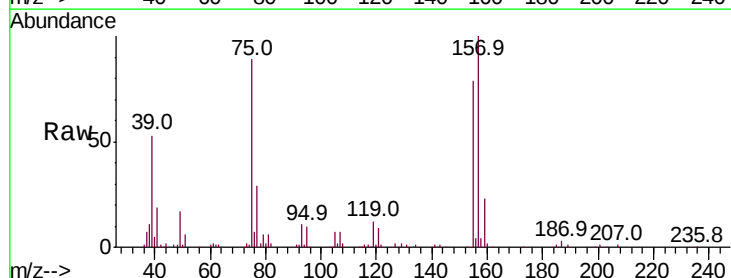
Manual Integrations
 APPROVED

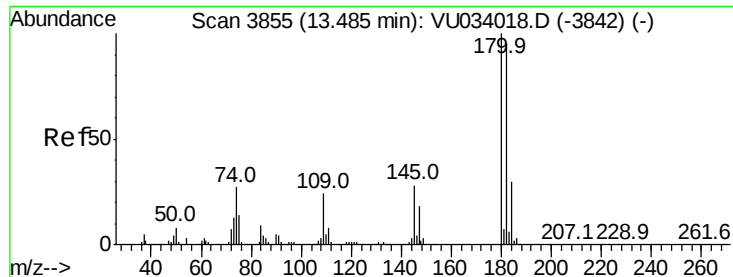
MMDadoda
 9/3/2019 1:09:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 73.842 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75794		
155	86.8	43.5	130.7	
157	111.4	56.9	170.6	





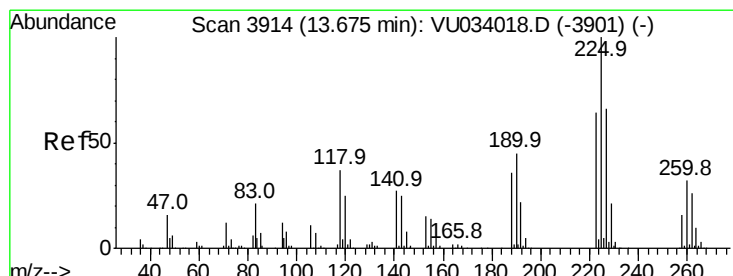
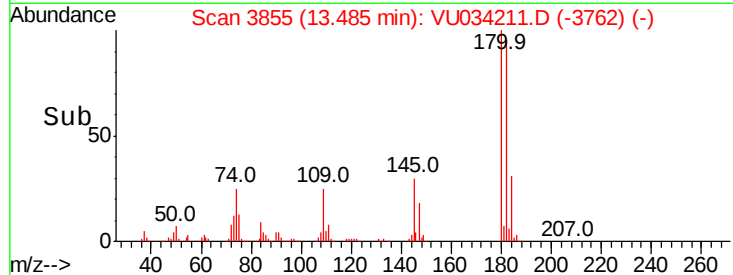
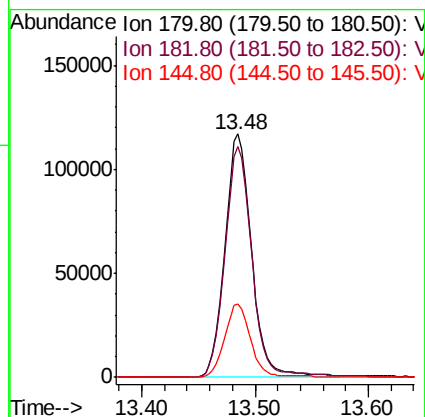
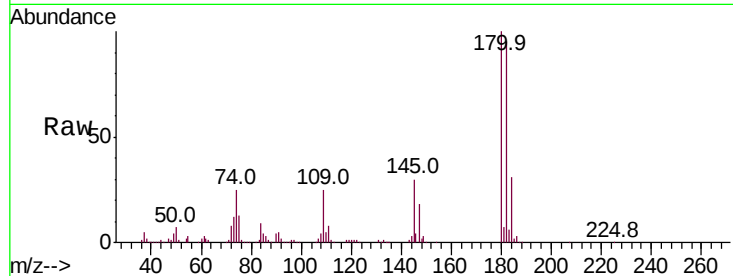
#93
 1,2,4-Trichlorobenzene
 Concen: 44.224 ug/l
 RT: 13.48 min Scan# 3855
 Delta R.T. -0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	192593
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.4	142.2
145	29.1	14.1	42.3

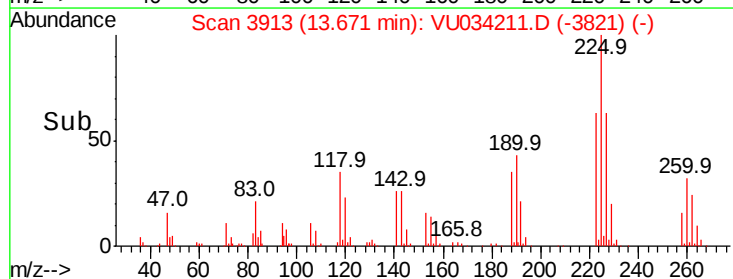
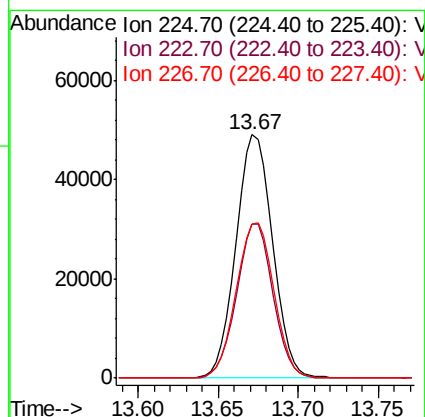
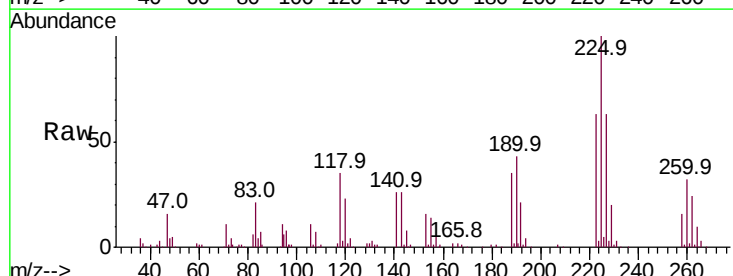
Manual Integrations
 APPROVED

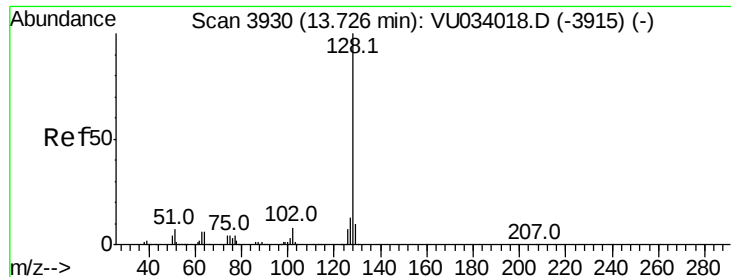
MMDadoda
 9/3/2019 1:09:43 PM



#94
 Hexachlorobutadiene
 Concen: 31.903 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034211.D
 Acq: 02 Sep 2019 18:42

Tgt Ion:	225	Resp:	76641
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.8	95.3
227	65.3	32.6	97.8





#95

Naphthalene

Concen: 59.050 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Instrument :

MSVOA_U

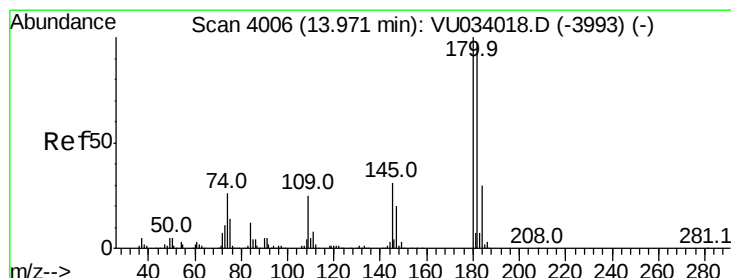
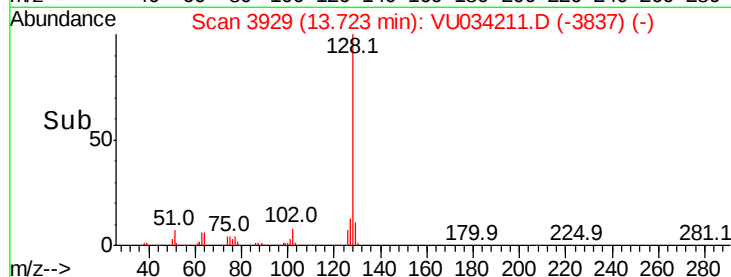
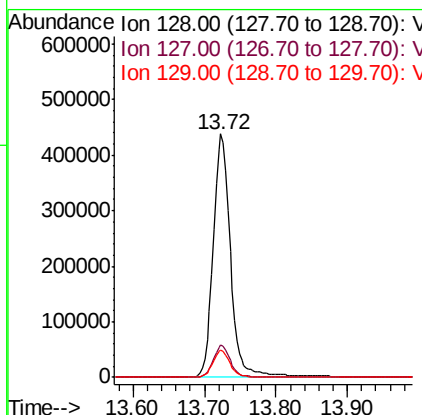
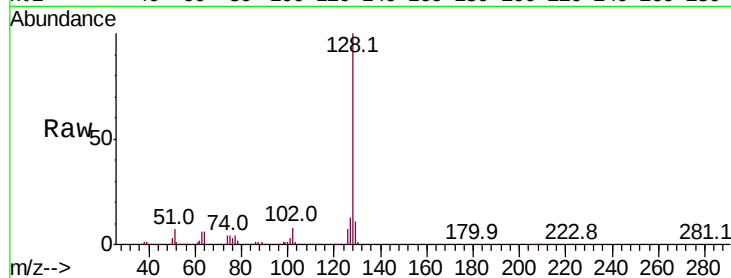
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	742856
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.6	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/3/2019 1:09:43 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.687 ug/l

RT: 13.97 min Scan# 4005

Delta R.T. -0.00 min

Lab File: VU034211.D

Acq: 02 Sep 2019 18:42

Tgt Ion:	180	Resp:	207262
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.2	144.6
145	30.6	15.5	46.5

