

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033996.D
 Acq On : 28 Aug 2019 01:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:58:17 AM

Quant Time: Aug 28 05:10:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 02:42:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	387586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	632623	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	576608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	320226	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	264013	61.31	ug/l	0.00
Spiked Amount			Recovery	=	122.62%	
35) Dibromofluoromethane	4.86	113	212648	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	7.55	98	728231	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
62) 4-Bromofluorobenzene	10.29	95	249504	41.47	ug/l	0.00
Spiked Amount			Recovery	=	82.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	219818	56.387	ug/l	99
3) Chloromethane	1.32	50	293086	69.066	ug/l	98
4) Vinyl Chloride	1.40	62	286316	73.567	ug/l	100
5) Bromomethane	1.60	94	126678	53.553	ug/l	100
6) Chloroethane	1.68	64	123706	53.385	ug/l	98
7) Trichlorofluoromethane	1.87	101	249281	48.679	ug/l	99
8) Diethyl Ether	2.09	74	106650	54.905	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.27	101	176955	54.107	ug/l	95
10) Methyl Iodide	2.40	142	280961	57.366	ug/l	97
11) Tert butyl alcohol	2.82	59	313335	280.943	ug/l #	85
12) 1,1-Dichloroethene	2.27	96	186207	54.550	ug/l	92
13) Acrolein	2.18	56	96439	272.281	ug/l	98
14) Allyl chloride	2.58	41	392607m	64.958	ug/l	
15) Acrylonitrile	2.92	53	727266	322.566	ug/l	99
16) Acetone	2.31	43	601943	292.053	ug/l	97
17) Carbon Disulfide	2.46	76	638608	56.971	ug/l	99
18) Methyl Acetate	2.60	43	344158	67.794	ug/l	95
19) Methyl tert-butyl Ether	2.98	73	699807	61.028	ug/l	97
20) Methylene Chloride	2.68	84	244506	55.915	ug/l	91
21) trans-1,2-Dichloroethene	2.96	96	219001	56.270	ug/l	91
22) Diisopropyl ether	3.55	45	763895	68.789	ug/l	96
23) Vinyl Acetate	3.50	43	3309805	350.828	ug/l	96
24) 1,1-Dichloroethane	3.42	63	429438	61.766	ug/l	98
25) 2-Butanone	4.23	43	986509	333.905	ug/l	95
26) 2,2-Dichloropropane	4.20	77	270553	46.022	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	247095	56.716	ug/l	95
28) Bromochloromethane	4.52	49	217329	67.938	ug/l	84
29) Tetrahydrofuran	4.61	42	638602	345.576	ug/l	91
30) Chloroform	4.65	83	410715	57.690	ug/l	99
31) Cyclohexane	4.97	56	381491	60.087	ug/l	94
32) 1,1,1-Trichloroethane	4.89	97	344924	57.549	ug/l	96
36) 1,1-Dichloropropene	5.11	75	304492	52.551	ug/l	98
37) Ethyl Acetate	4.35	43	361846	62.262	ug/l	97
38) Carbon Tetrachloride	5.11	117	299029	50.640	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	352484	51.411	ug/l	96
40) Benzene	5.37	78	935932	54.328	ug/l	99
41) Methacrylonitrile	4.52	41	196356	65.202	ug/l	94
42) 1,2-Dichloroethane	5.38	62	332079	57.003	ug/l	97
43) Isopropyl Acetate	5.53	43	561214	62.981	ug/l	96
44) Trichloroethene	6.16	130	233304	47.496	ug/l	96
45) 1,2-Dichloropropane	6.41	63	264728	57.437	ug/l	99
46) Dibromomethane	6.54	93	166025	52.967	ug/l	91
47) Bromodichloromethane	6.74	83	328270	54.985	ug/l	99
48) Methyl methacrylate	6.60	41	277741	65.556	ug/l	92
49) 1,4-Dioxane	6.59	88	127816	1099.268	ug/l #	95
51) 4-Methyl-2-Pentanone	7.44	43	1502619	244.571	ug/l	99
52) Toluene	7.62	92	510514	46.996	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	301052	45.600	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	392783	55.037	ug/l	94
55) 1,1,2-Trichloroethane	8.05	97	213426	46.498	ug/l	98
56) Ethyl methacrylate	8.00	69	331086	45.968	ug/l	98
57) 1,3-Dichloropropane	8.22	76	363079	48.538	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	743848	274.715	ug/l	94
59) 2-Hexanone	8.34	43	1308646	277.113	ug/l	96
60) Dibromochloromethane	8.46	129	242312	46.944	ug/l	99
61) 1,2-Dibromoethane	8.57	107	234719	48.420	ug/l	99
64) Tetrachloroethene	8.21	164	192337	41.487	ug/l	95
65) Chlorobenzene	9.10	112	580710	48.909	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	215494	48.679	ug/l	98
67) Ethyl Benzene	9.23	91	1086991	54.907	ug/l	98
68) m/p-Xylenes	9.36	106	846667	110.894	ug/l	96
69) o-Xylene	9.76	106	408662	55.986	ug/l	97
70) Styrene	9.77	104	716593	57.360	ug/l	98
71) Bromoform	9.94	173	187253	47.784	ug/l	98
73) Isopropylbenzene	10.15	105	1099360	53.342	ug/l	98
74) N-amyl acetate	10.00	43	512776	66.282	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.44	83	323070	43.523	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	271966m	42.625	ug/l	
77) Bromobenzene	10.43	156	247160	42.438	ug/l	98
78) n-propylbenzene	10.57	91	1052574	45.035	ug/l	99
79) 2-Chlorotoluene	10.64	91	631721	44.793	ug/l	98
80) 1,3,5-Trimethylbenzene	10.76	105	824717	46.723	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	92752m	41.637	ug/l	
82) 4-Chlorotoluene	10.75	91	741271	45.404	ug/l	99
83) tert-Butylbenzene	11.08	119	883774	51.579	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	901224	52.007	ug/l	98
85) sec-Butylbenzene	11.31	105	1035999	50.661	ug/l	99
86) p-Isopropyltoluene	11.46	119	1003682	52.436	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	492853	47.704	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	499924	47.944	ug/l	99
89) n-Butylbenzene	11.87	91	890198	55.647	ug/l	98
90) Hexachloroethane	12.13	117	169408	53.510	ug/l	85
91) 1,2-Dichlorobenzene	11.86	146	494592	48.632	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	87029	58.532	ug/l	87

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QLast Update : Wed Aug 28 02:42:03 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	318900	44.772	ug/l	98
94) Hexachlorobutadiene	13.67	225	176044	42.223	ug/l	99
95) Naphthalene	13.73	128	953311	48.301	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	323353	49.757	ug/l	98

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

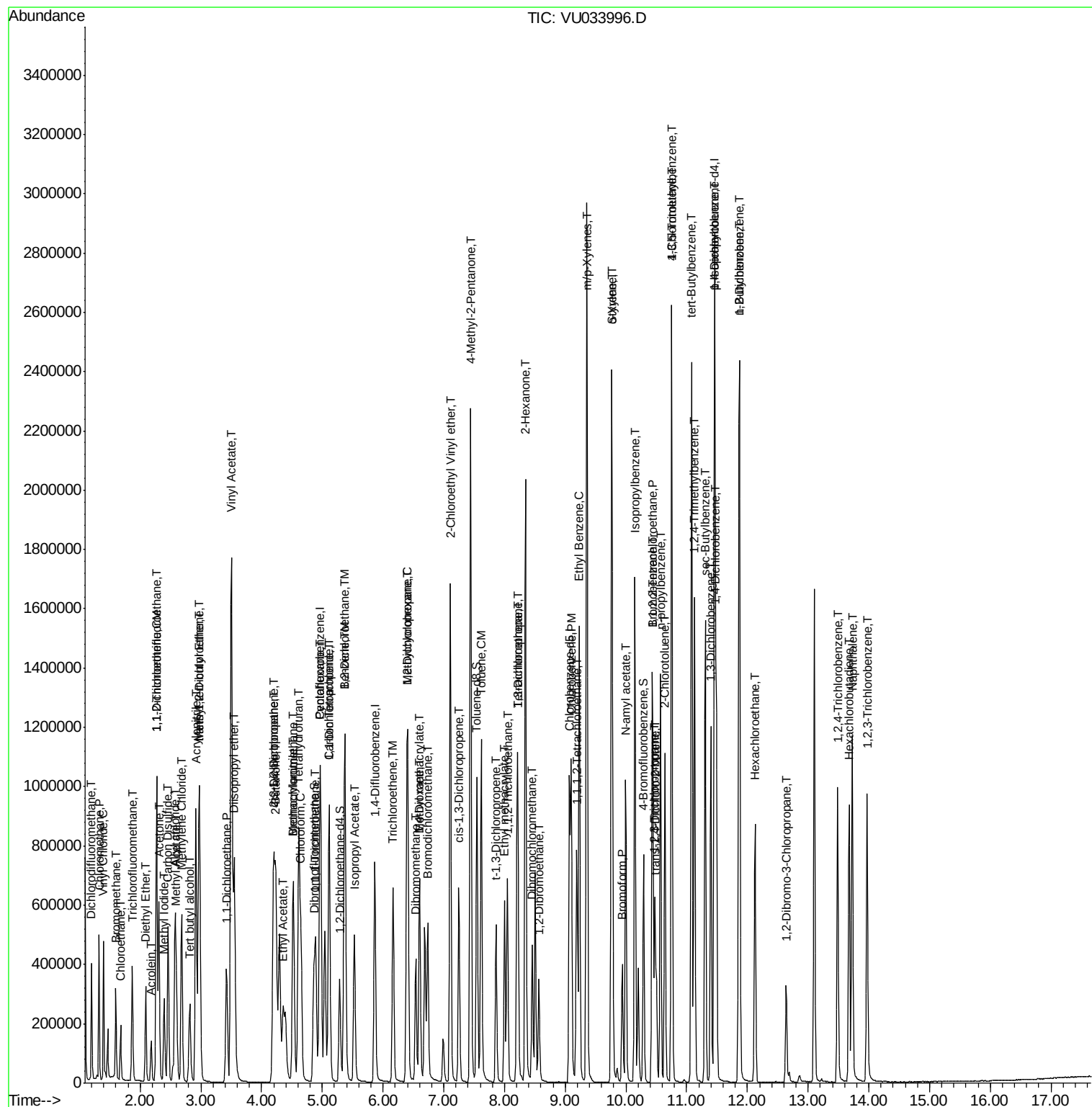
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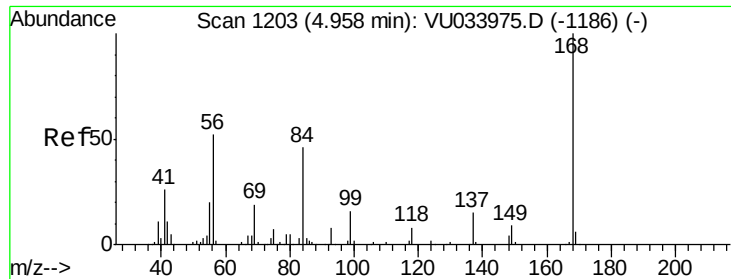
Instrument :
 MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 387586

Ion Ratio Lower Upper

168 100

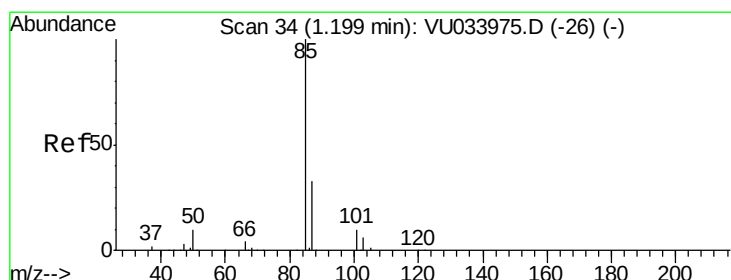
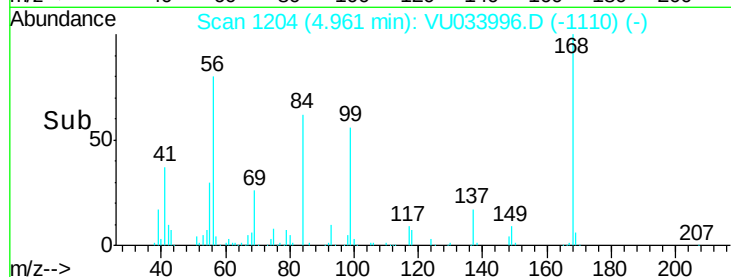
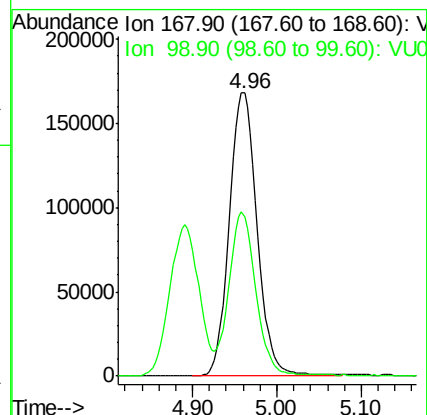
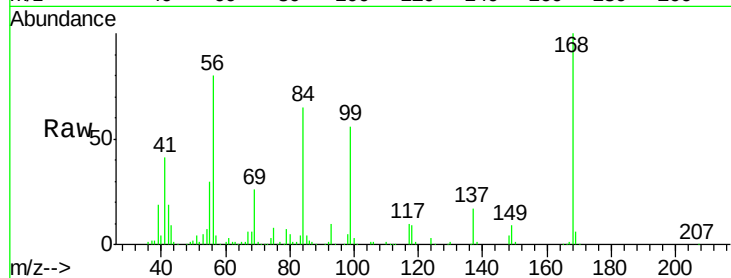
99 55.9 39.4 59.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 56.387 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033996.D

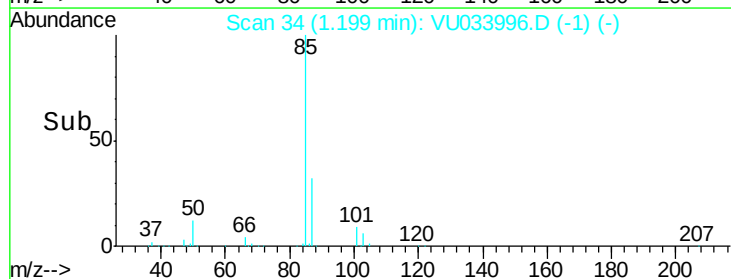
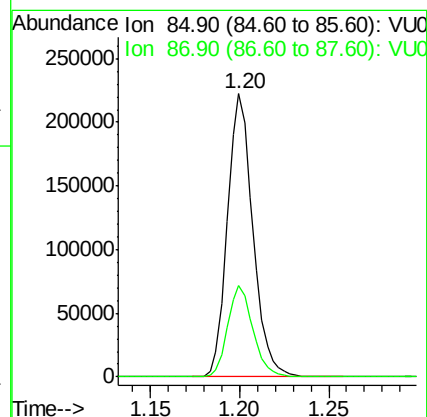
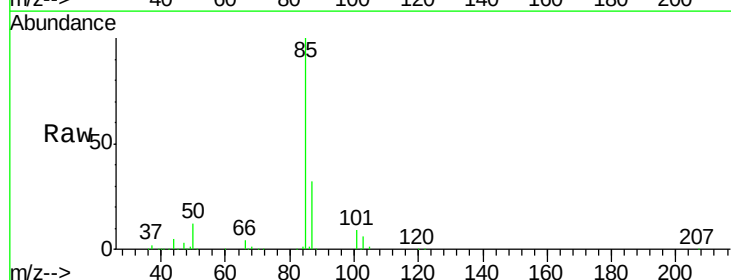
Acq: 28 Aug 2019 01:28

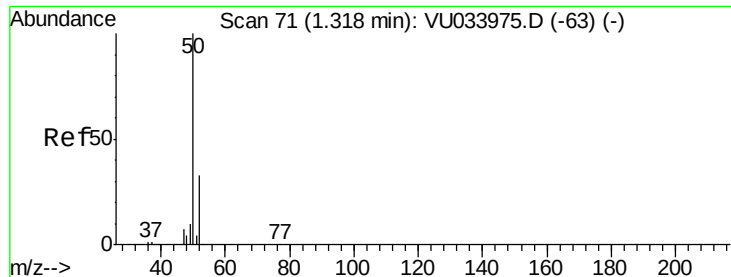
Tgt Ion: 85 Resp: 219818

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.2





#3

Chloromethane

Concen: 69.066 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 50 Resp: 293086

Ion Ratio Lower Upper

50 100

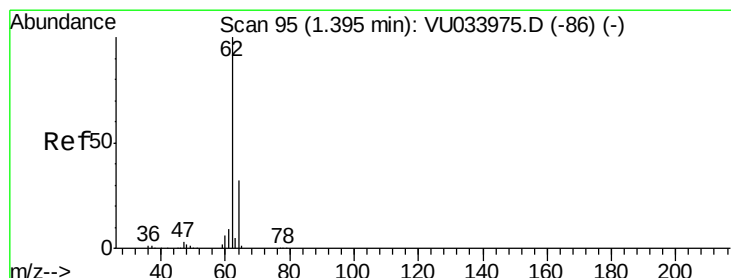
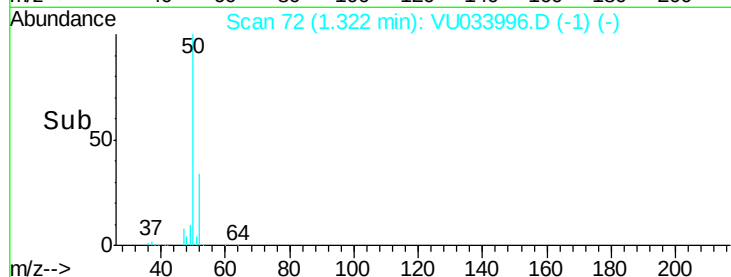
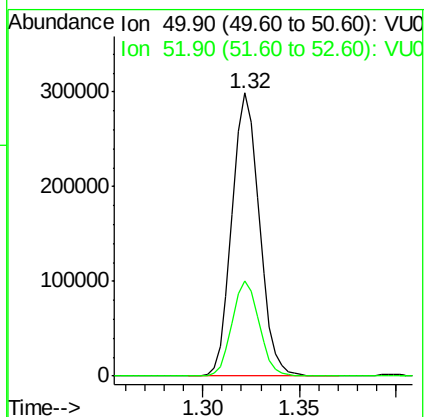
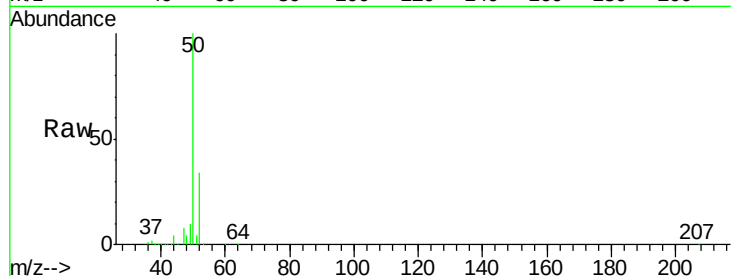
52 33.6 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 73.567 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033996.D

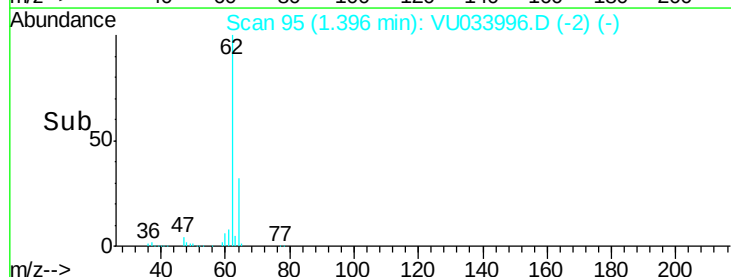
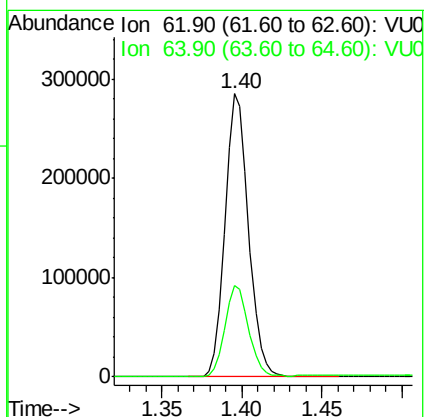
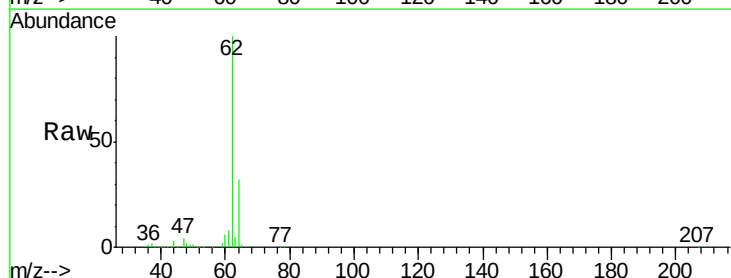
Acq: 28 Aug 2019 01:28

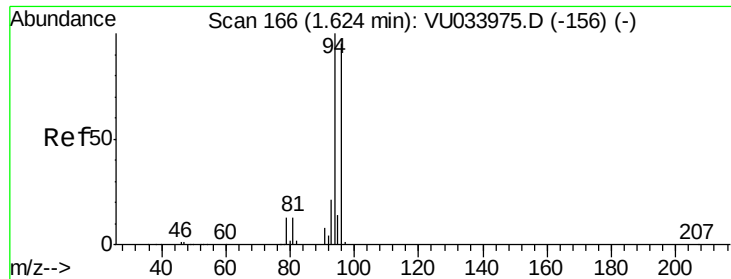
Tgt Ion: 62 Resp: 286316

Ion Ratio Lower Upper

62 100

64 32.3 25.9 38.9





#5

Bromomethane

Concen: 53.553 ug/l

RT: 1.60 min Scan# 158

Delta R.T. -0.03 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 126678

Ion Ratio Lower Upper

94 100

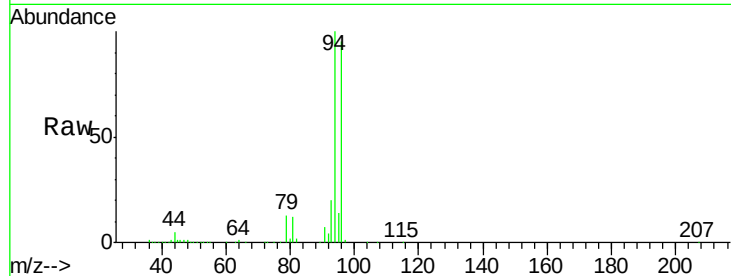
96 94.9 76.3 114.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU033996.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VU033996.D (-156) (-)

1.60

120000

100000

80000

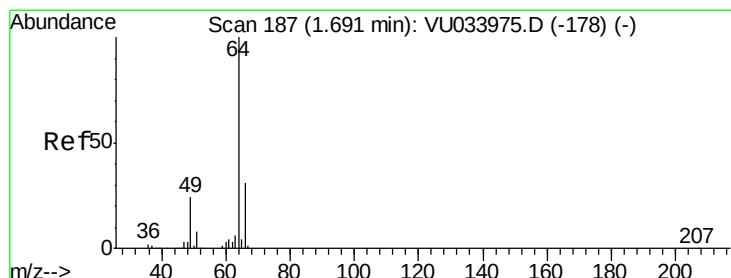
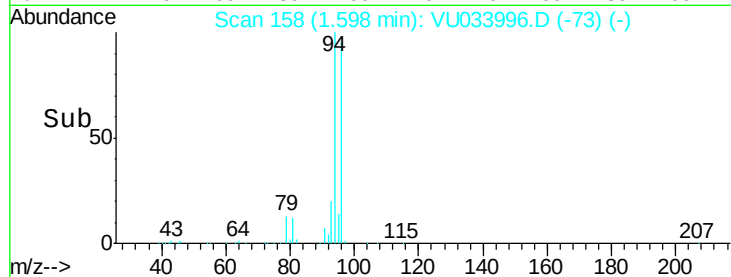
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 53.385 ug/l

RT: 1.68 min Scan# 183

Delta R.T. -0.01 min

Lab File: VU033996.D

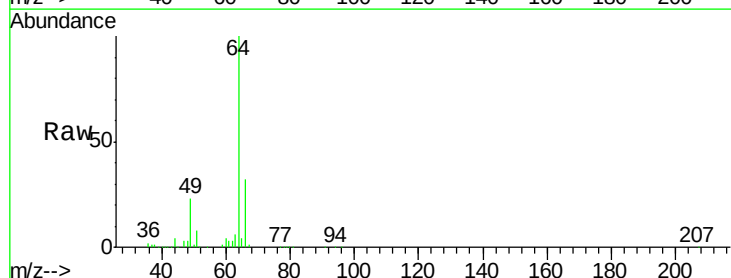
Acq: 28 Aug 2019 01:28

Tgt Ion: 64 Resp: 123706

Ion Ratio Lower Upper

64 100

66 31.9 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VU033996.D (-178) (-)

Ion 65.90 (65.60 to 66.60): VU033996.D (-178) (-)

1.68

100000

80000

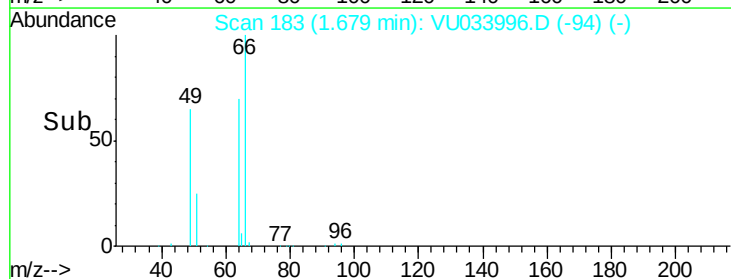
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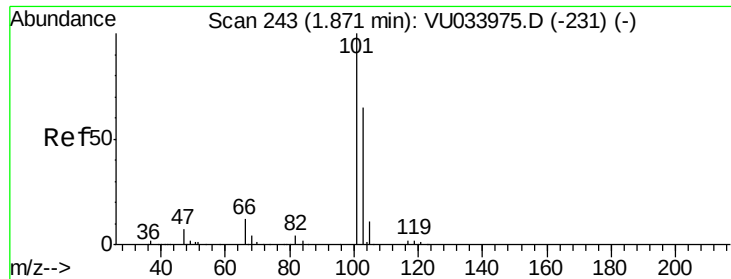
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Time-->





#7

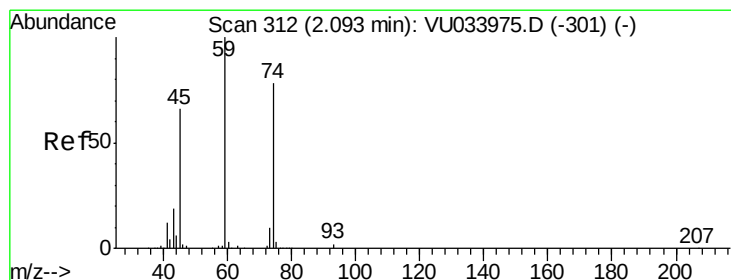
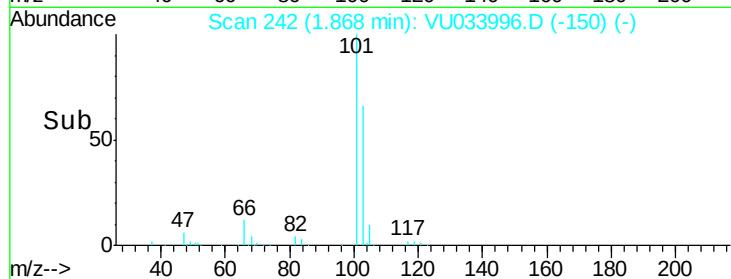
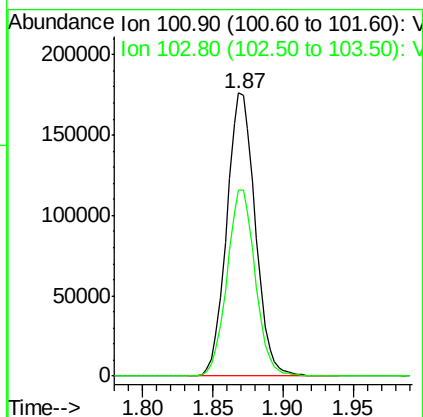
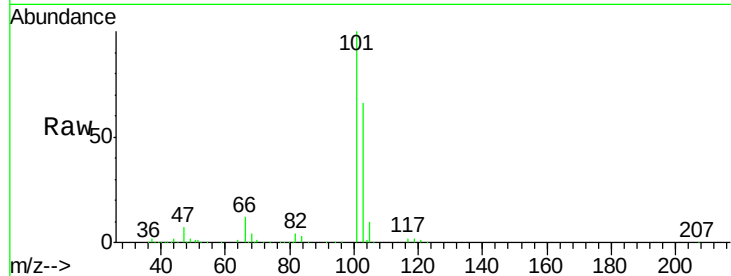
Trichlorofluoromethane
 Concen: 48.679 ug/l
 RT: 1.87 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VU033996.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.0	78.0

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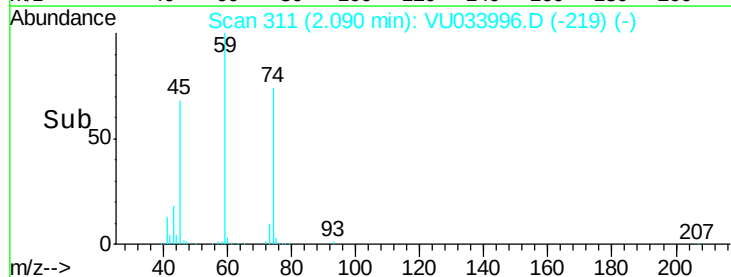
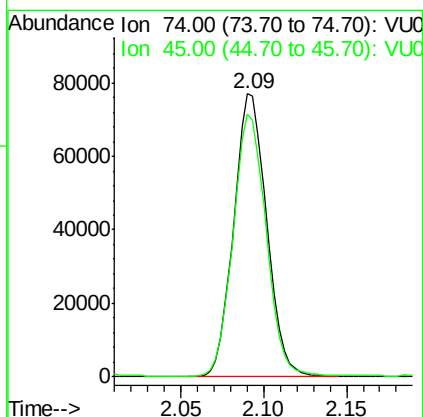
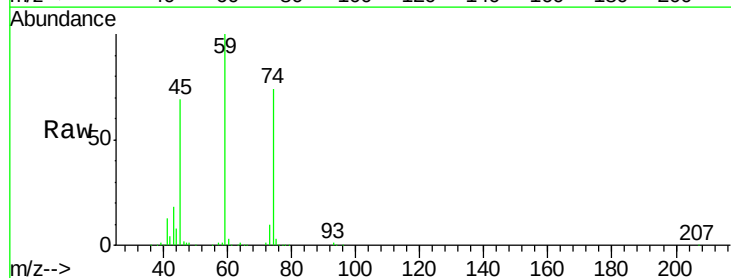
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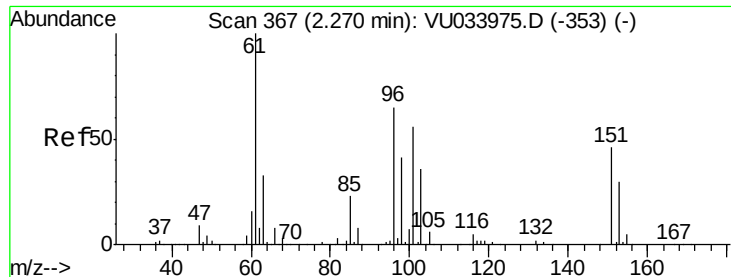


#8

Diethyl Ether
 Concen: 54.905 ug/l
 RT: 2.09 min Scan# 311
 Delta R.T. -0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.8	42.8	128.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.107 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033996.D

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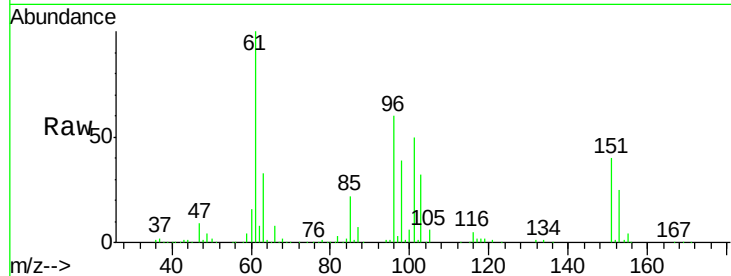
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	176955
Ion Ratio	Lower	Upper	
101	100		
85	43.3	33.4	50.0
151	79.4	67.6	101.4

Manual Integrations
APPROVED

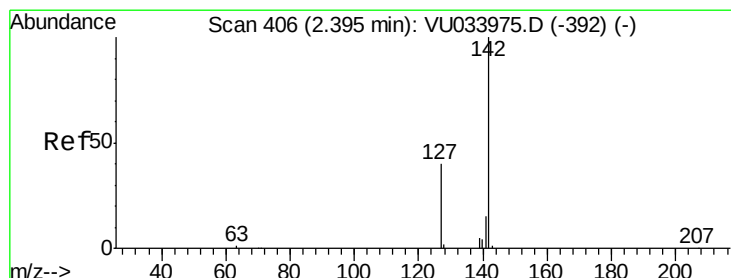
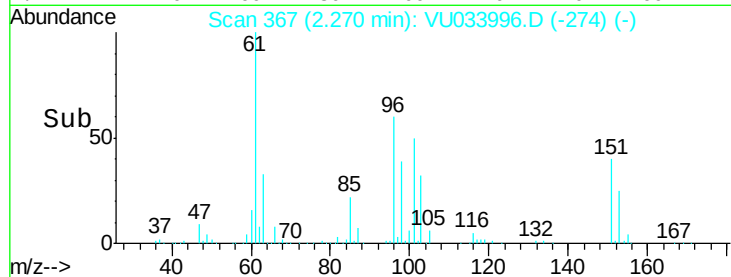
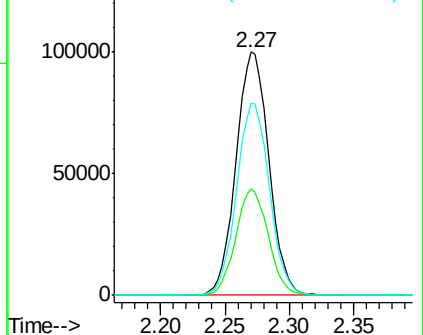
MMDadoda
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 57.366 ug/l

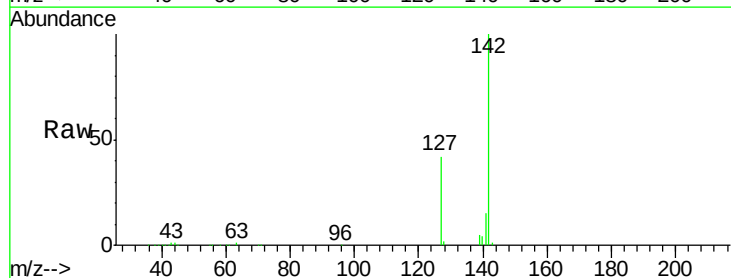
RT: 2.40 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

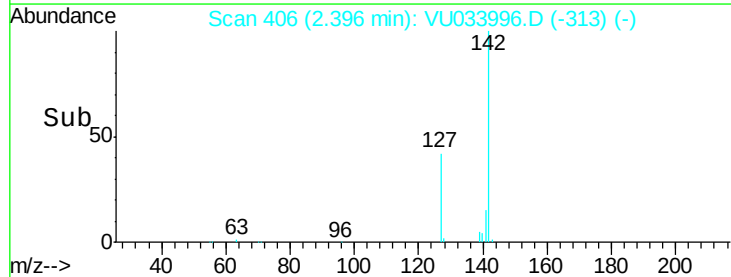
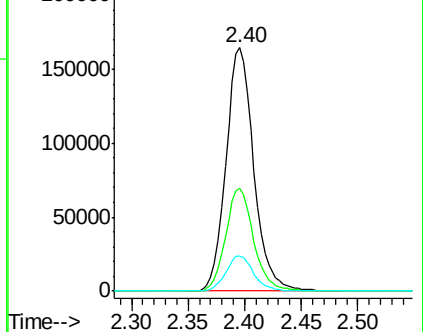
Tgt Ion:	142	Resp:	280961
Ion Ratio	Lower	Upper	
142	100		
127	42.5	32.2	48.2
141	14.5	11.8	17.8

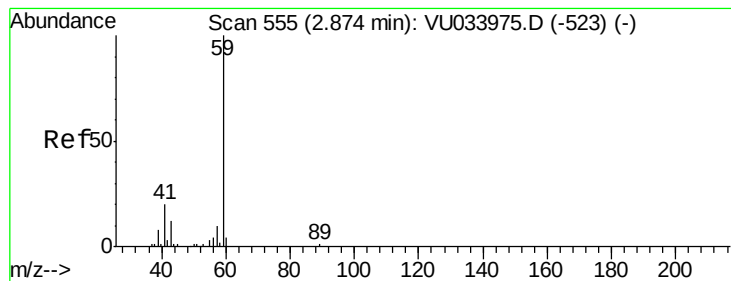


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

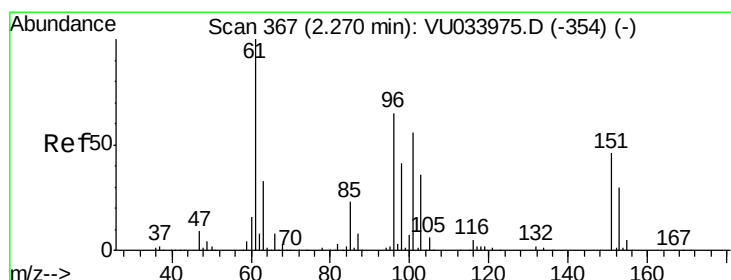
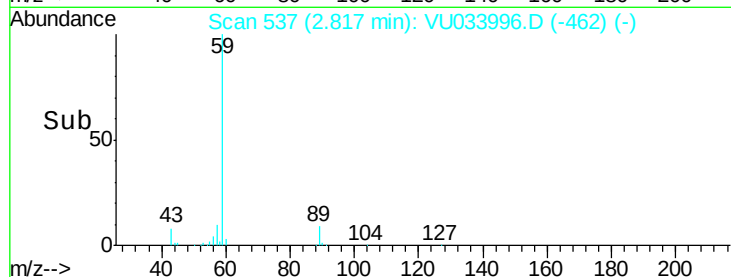
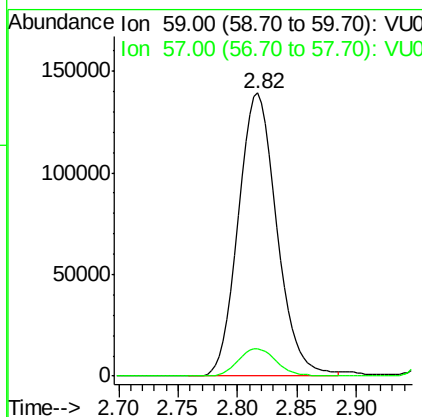
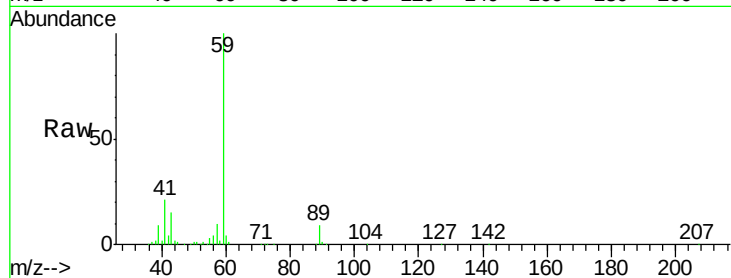
Tert butyl alcohol
 Concen: 280.943 ug/l
 RT: 2.82 min Scan# 537
 Delta R.T. -0.06 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 313335
 Ion Ratio Lower Upper
 59 100
 57 9.8 3.9 5.9#

Manual Integrations
 APPROVED

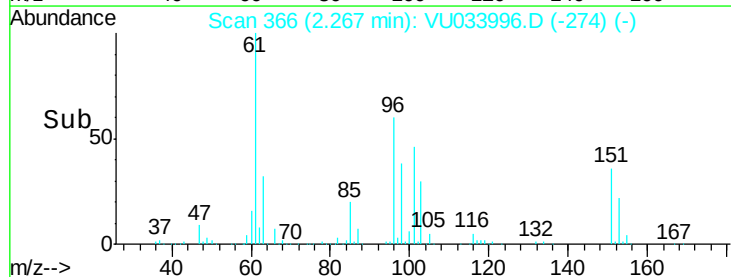
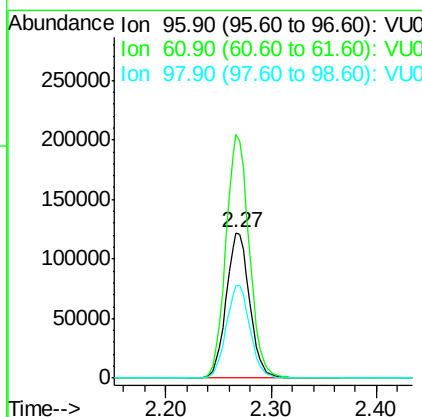
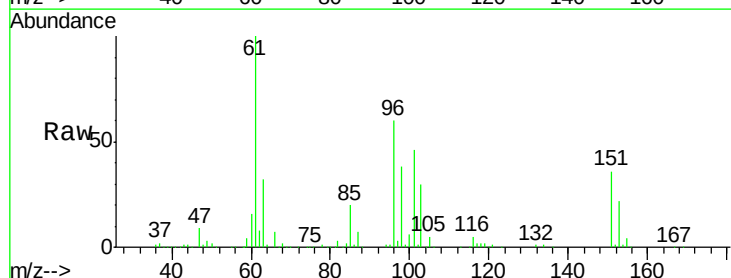
MMDadoda
 8/28/2019 9:58:17 AM

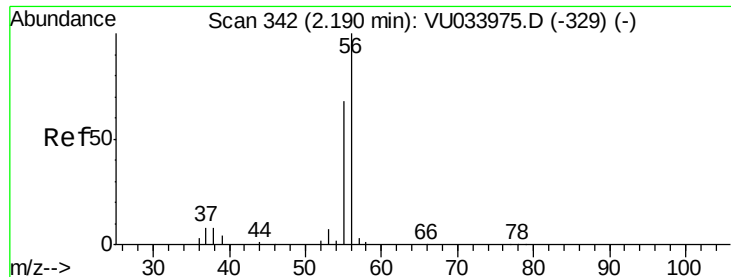


#12

1,1-Dichloroethene
 Concen: 54.550 ug/l
 RT: 2.27 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Tgt Ion: 96 Resp: 186207
 Ion Ratio Lower Upper
 96 100
 61 167.7 123.3 184.9
 98 63.7 50.5 75.7





#13

Acrolein

Concen: 272.281 ug/l

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 96439

Ion Ratio Lower Upper

56 100

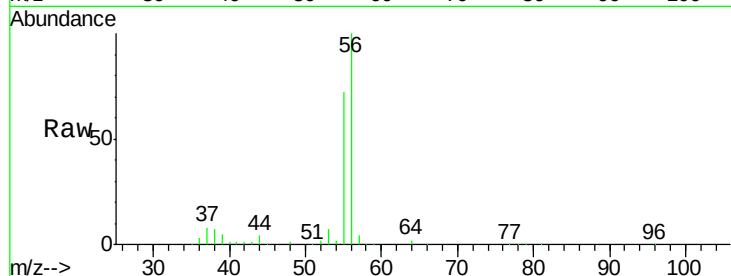
55 70.5 58.0 87.0

Manual Integrations

APPROVED

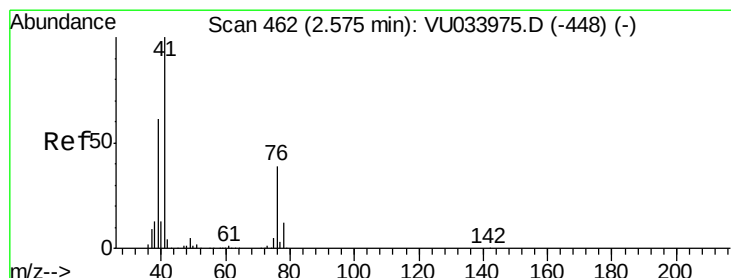
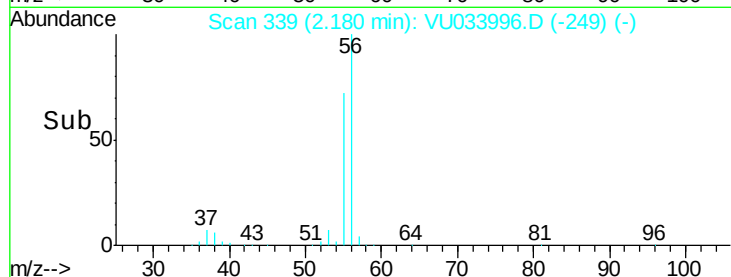
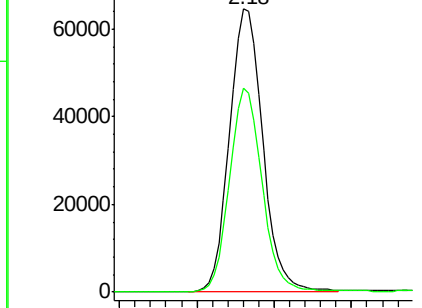
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Abundance Ion 56.00 (55.70 to 56.70): VU033996.D (-249) (-)

Ion 55.00 (54.70 to 55.70): VU033996.D (-249) (-)



#14

Allyl chloride

Concen: 64.958 ug/l m

RT: 2.58 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

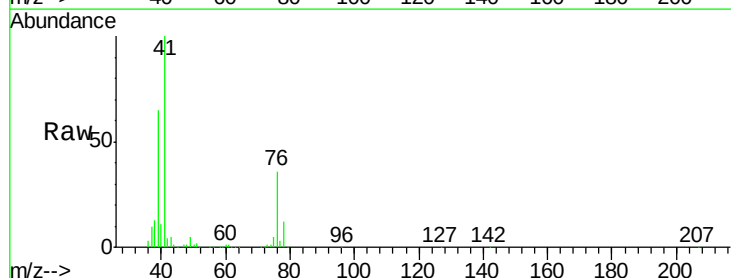
Tgt Ion: 41 Resp: 392607

Ion Ratio Lower Upper

41 100

39 58.4 45.9 68.9

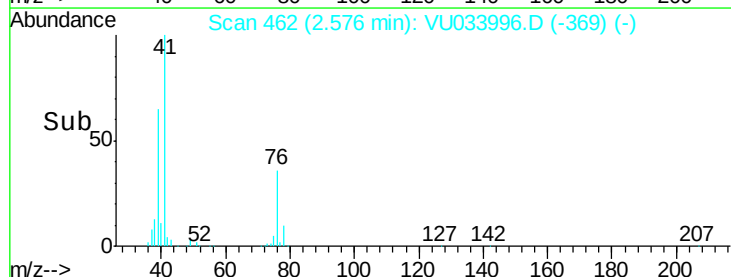
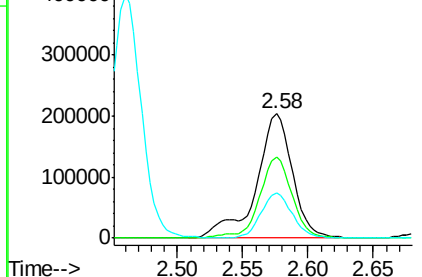
76 31.3 29.4 44.2

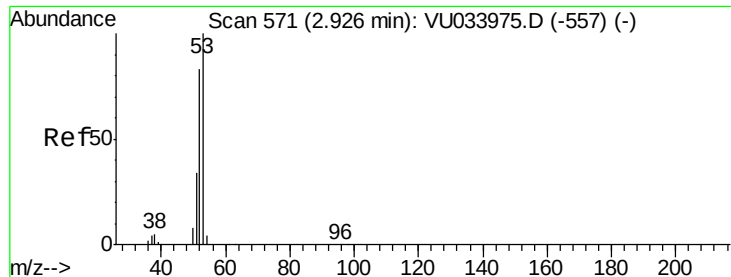


Abundance Ion 41.00 (40.70 to 41.70): VU033996.D (-369) (-)

Ion 39.00 (38.70 to 39.70): VU033996.D (-369) (-)

Ion 75.90 (75.60 to 76.60): VU033996.D (-369) (-)





#15

Acrylonitrile

Concen: 322.566 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.01 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

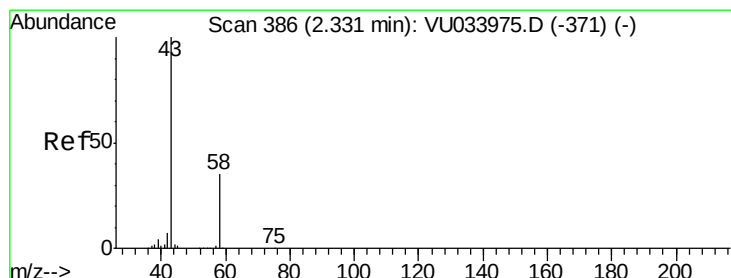
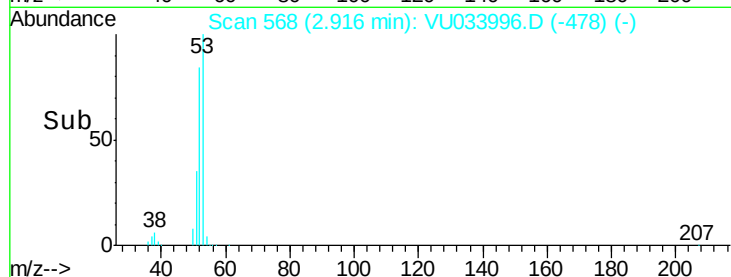
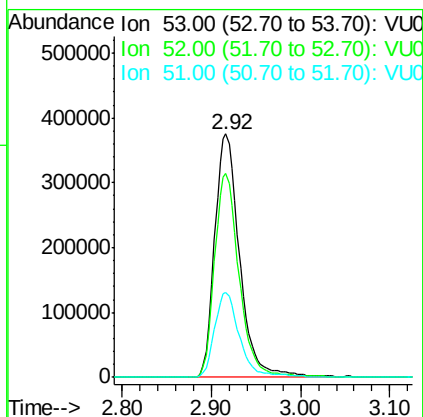
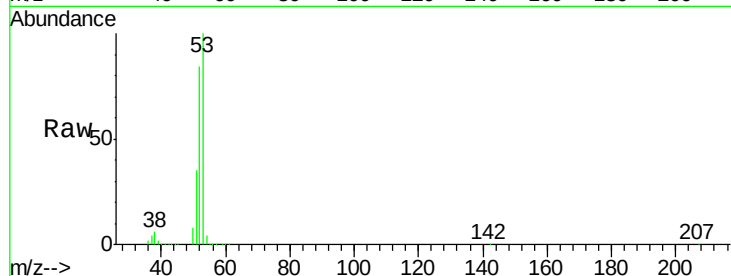
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	727266
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.7	100.1
51	35.2	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 292.053 ug/l

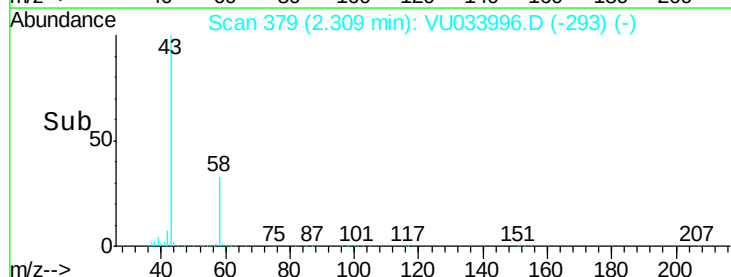
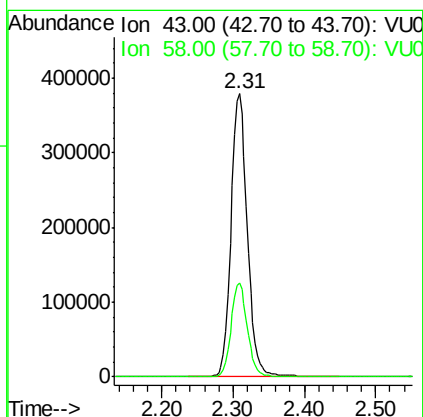
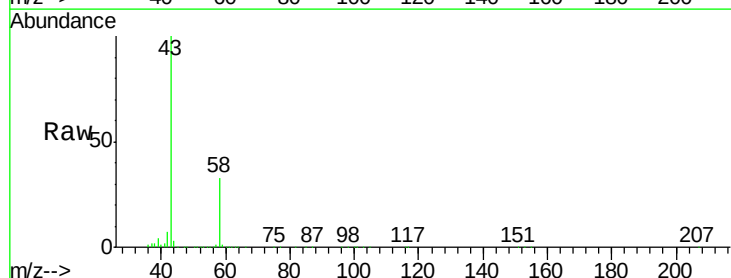
RT: 2.31 min Scan# 379

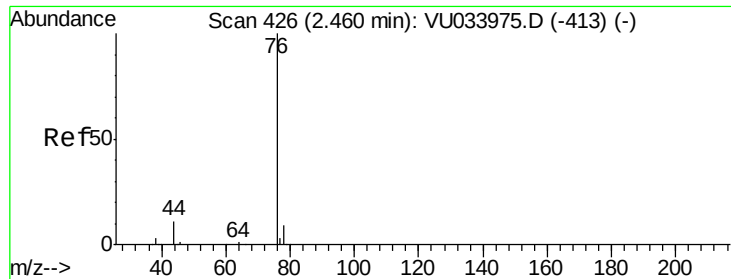
Delta R.T. -0.02 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Tgt Ion:	43	Resp:	601943
Ion	Ratio	Lower	Upper
43	100		
58	33.4	28.0	42.0





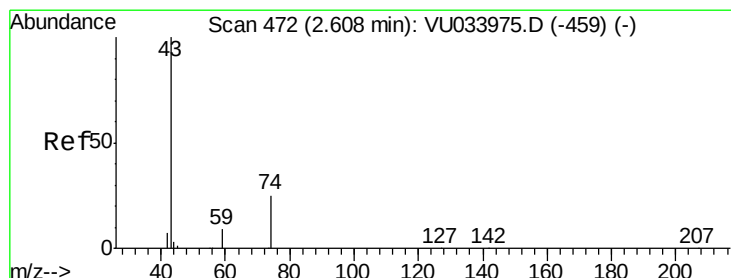
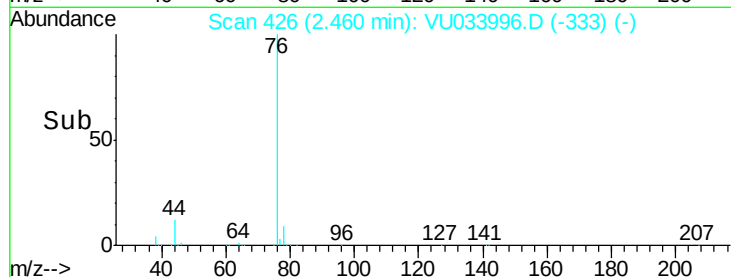
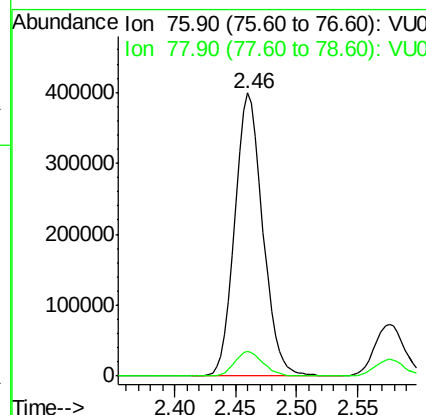
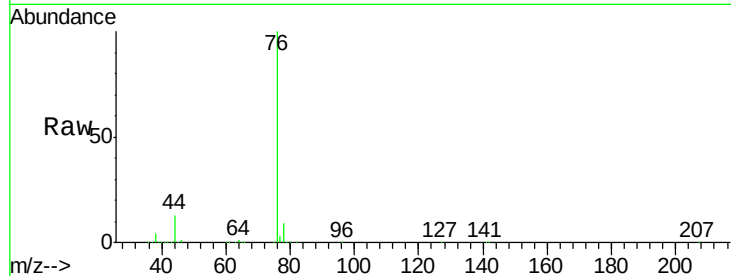
#17
Carbon Disulfide
Concen: 56.971 ug/l
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

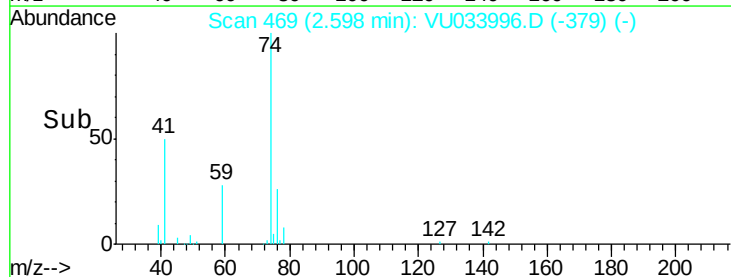
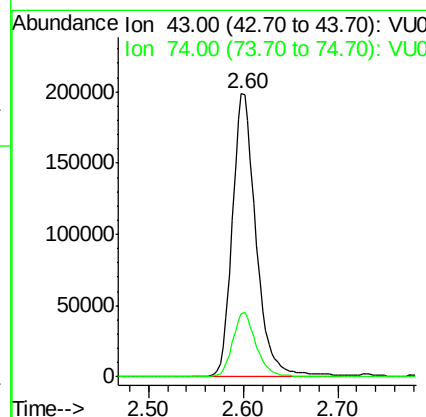
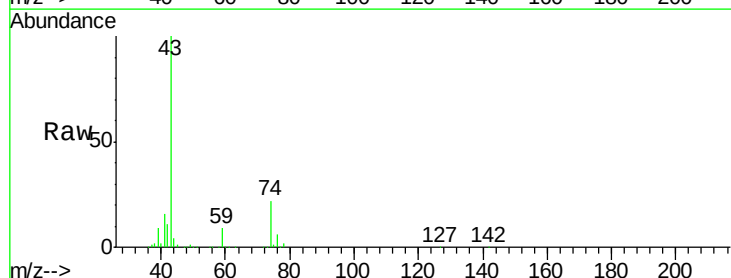
Manual Integrations
APPROVED

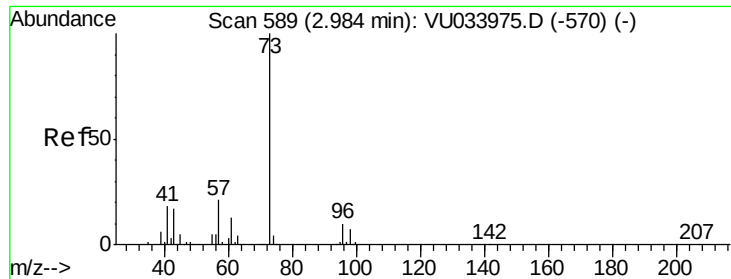
MMDadoda
8/28/2019 9:58:17 AM



#18
Methyl Acetate
Concen: 67.794 ug/l
RT: 2.60 min Scan# 469
Delta R.T. -0.01 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	20.5	30.7





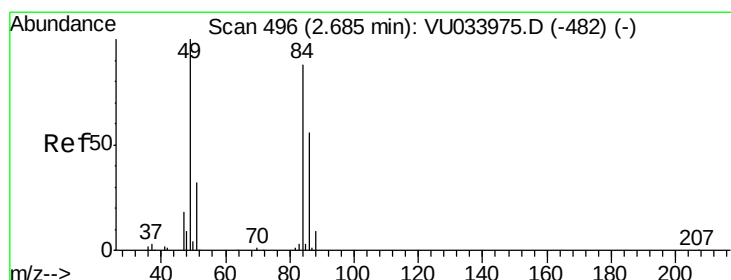
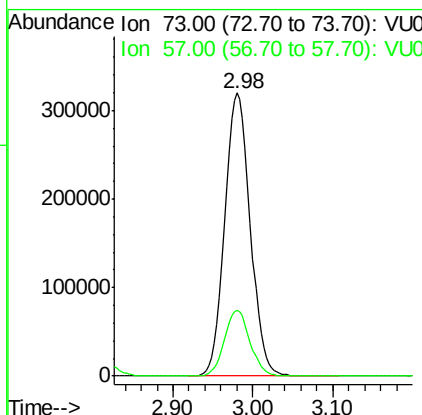
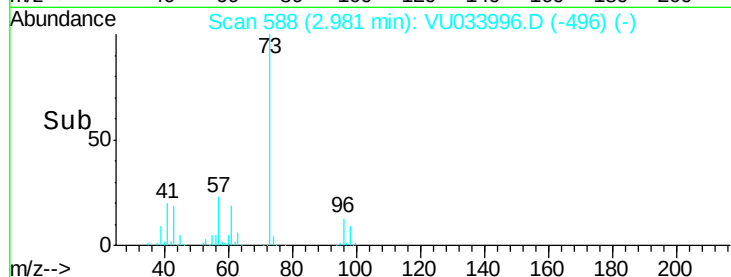
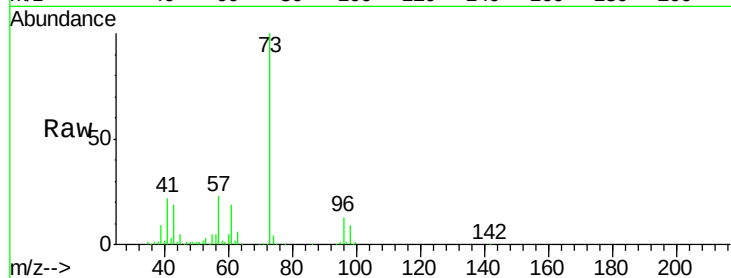
#19
Methyl tert-butyl Ether
Concen: 61.028 ug/l
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.5	26.3

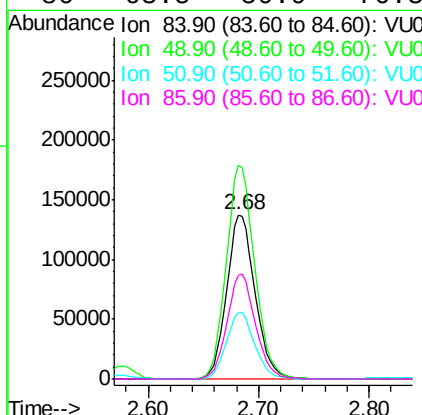
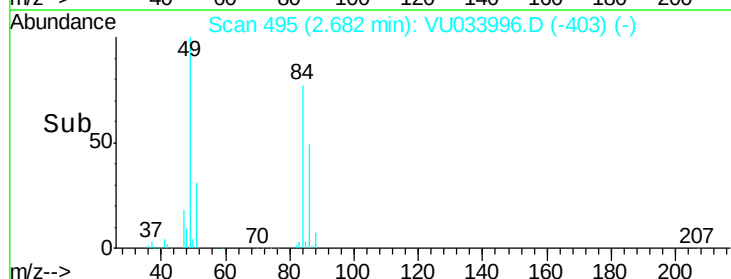
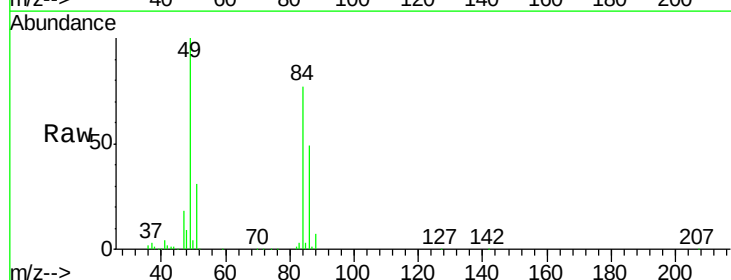
Manual Integrations
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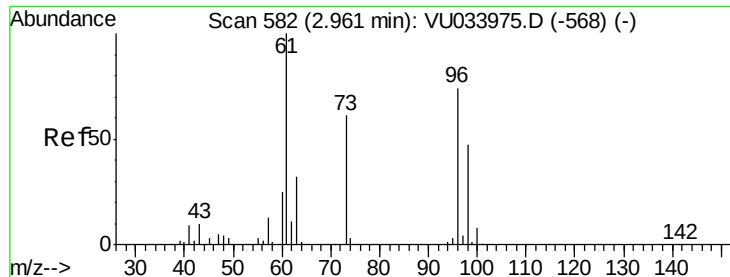
MMDadoda
8/28/2019 9:58:17 AM



#20
Methylene Chloride
Concen: 55.915 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.2	91.3	136.9
51	40.6	28.9	43.3
86	63.5	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 56.270 ug/l

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 219001

Ion Ratio Lower Upper

96 100

61 149.5 108.2 162.2

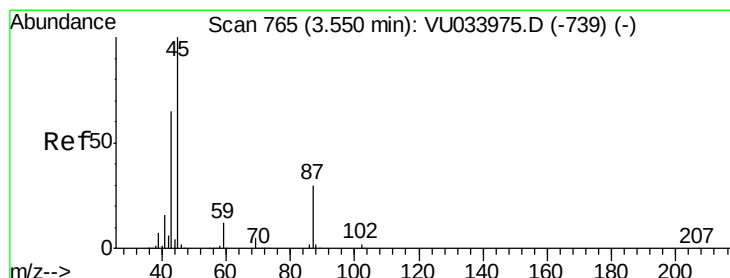
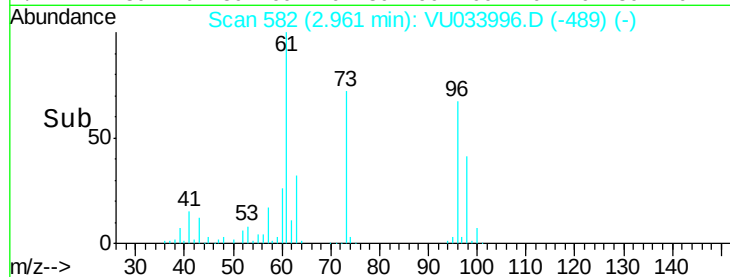
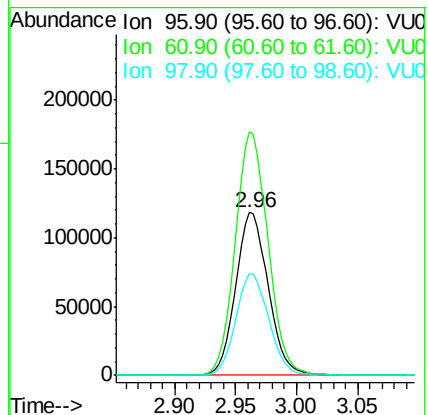
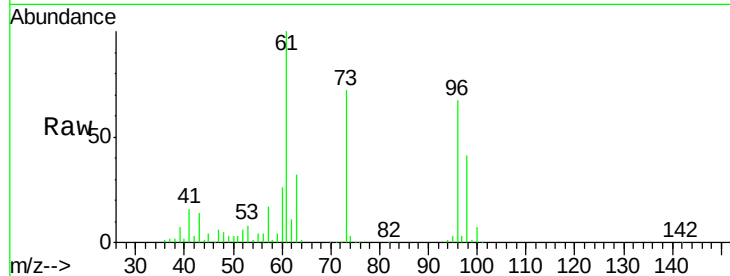
98 62.0 50.3 75.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 68.789 ug/l

RT: 3.55 min Scan# 764

Delta R.T. -0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Tgt Ion: 45 Resp: 763895

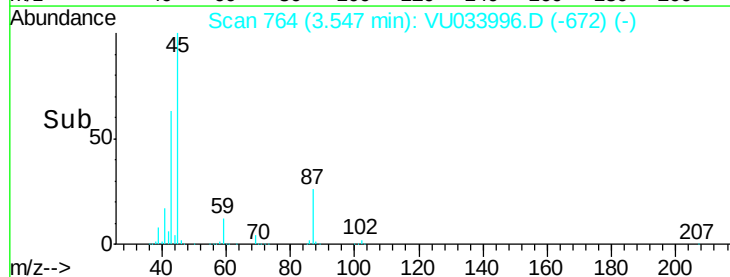
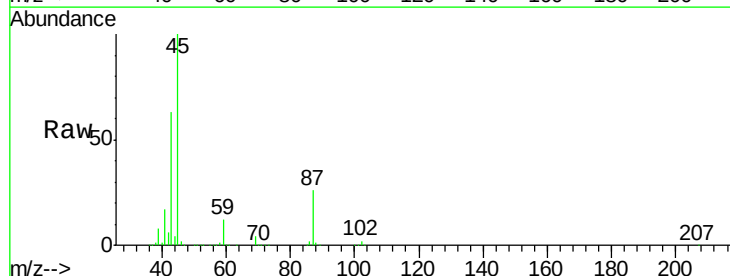
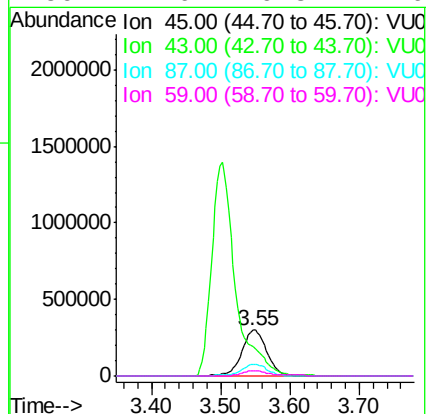
Ion Ratio Lower Upper

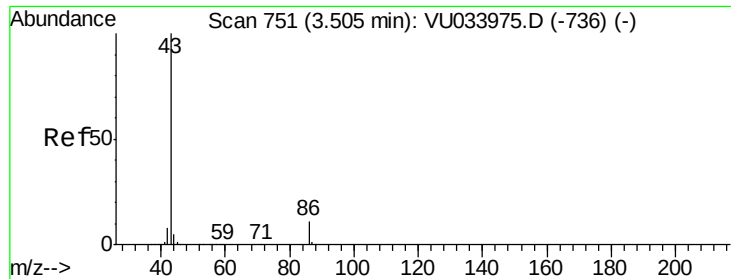
45 100

43 62.7 51.6 77.4

87 25.9 24.4 36.6

59 11.6 9.8 14.6





#23

Vinyl Acetate

Concen: 350.828 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3309805

Ion Ratio Lower Upper

43 100

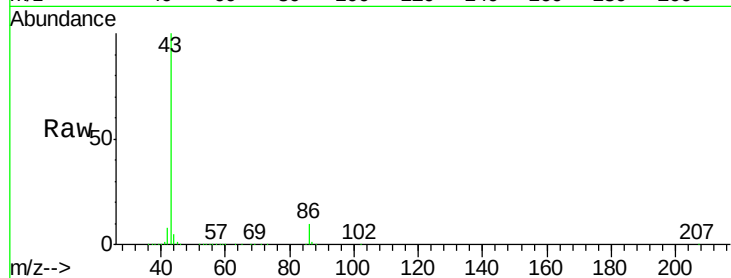
86 9.7 9.1 13.7

Manual Integrations

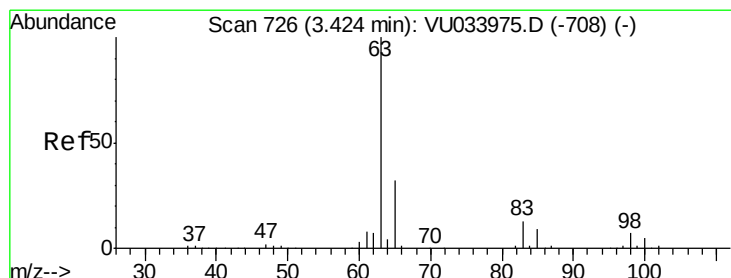
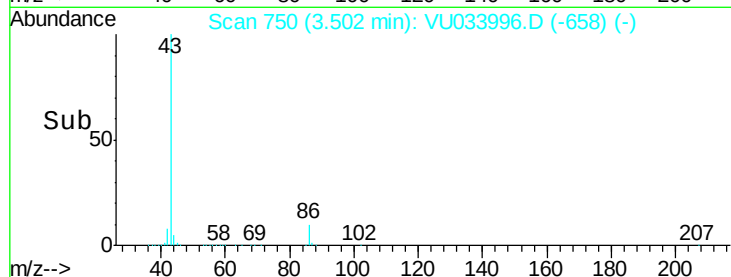
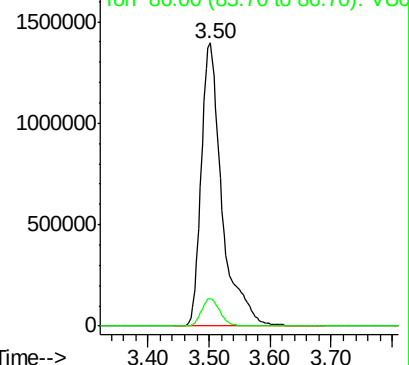
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Abundance Ion 43.00 (42.70 to 43.70): VU033996.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 61.766 ug/l

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

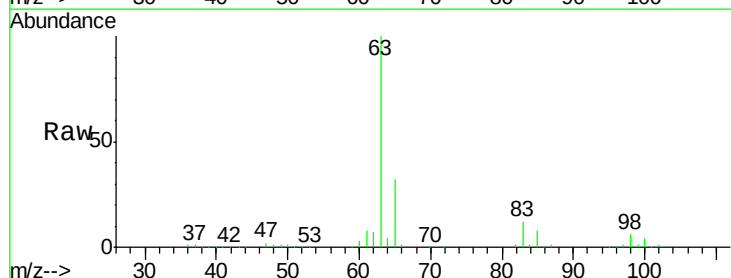
Tgt Ion: 63 Resp: 429438

Ion Ratio Lower Upper

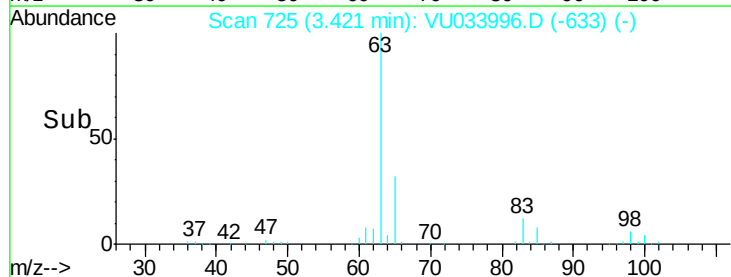
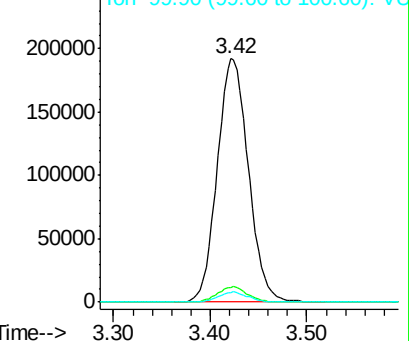
63 100

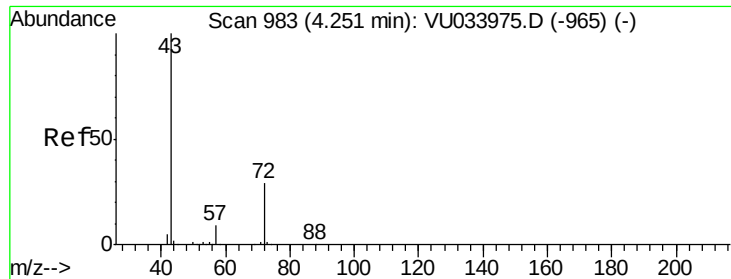
98 6.2 3.5 10.4

100 4.0 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VU033996.D (-633) (-)





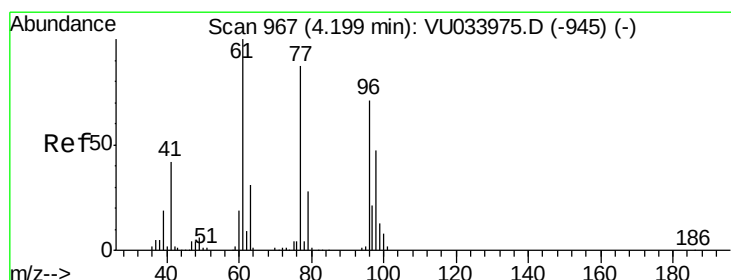
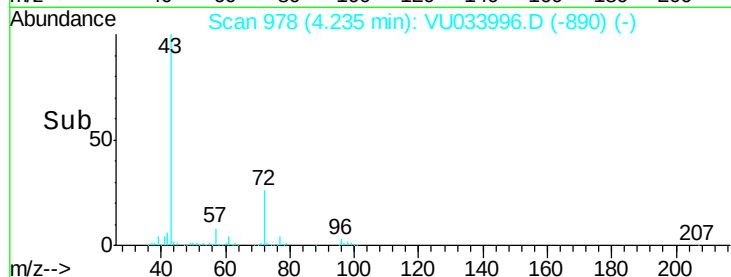
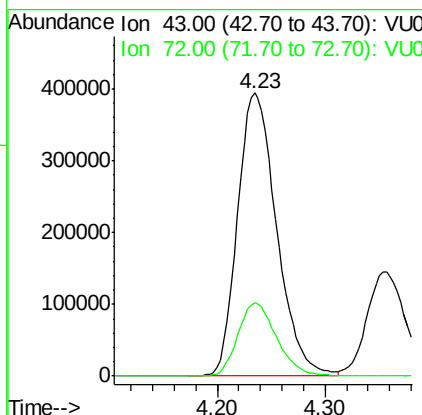
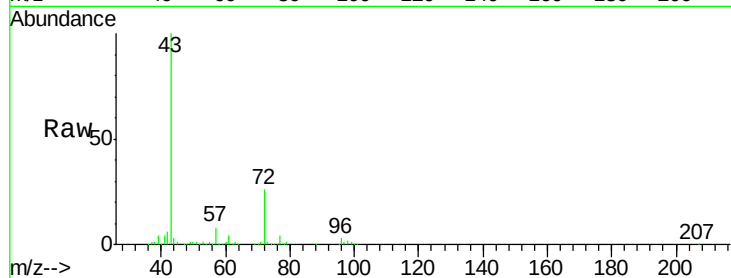
#25
2-Butanone
Concen: 333.905 ug/l
RT: 4.23 min Scan# 978
Delta R.T. -0.02 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 986509
Ion Ratio Lower Upper
43 100
72 25.9 22.9 34.3

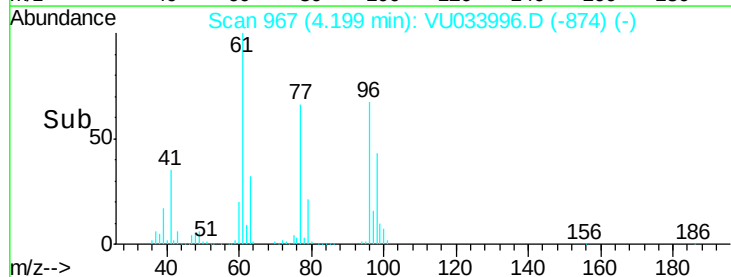
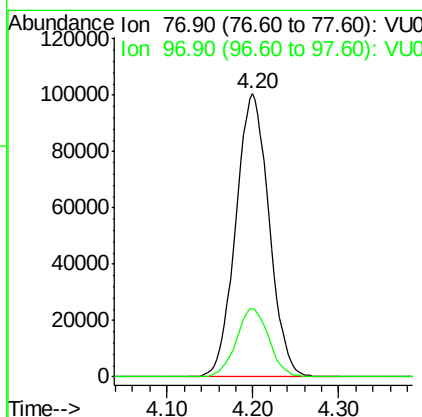
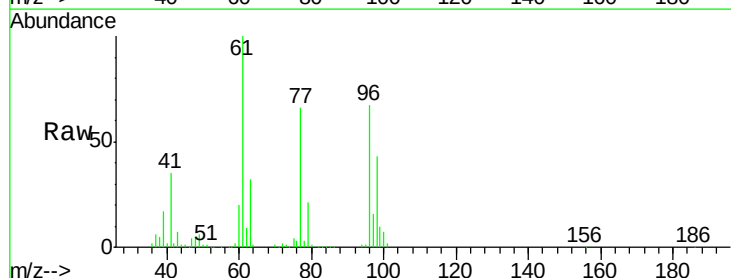
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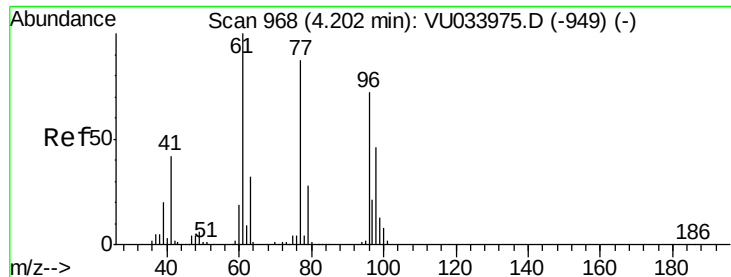
MMDadoda
8/28/2019 9:58:17 AM



#26
2,2-Dichloropropane
Concen: 46.022 ug/l
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Tgt Ion: 77 Resp: 270553
Ion Ratio Lower Upper
77 100
97 23.7 12.0 36.0





#27

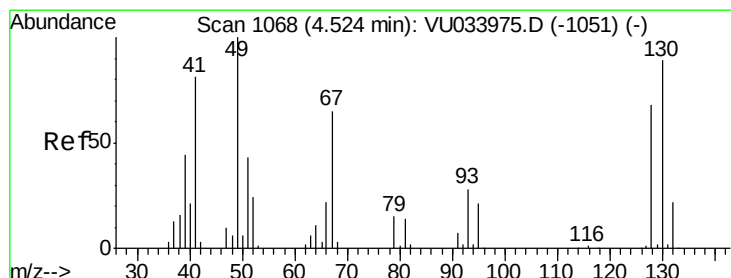
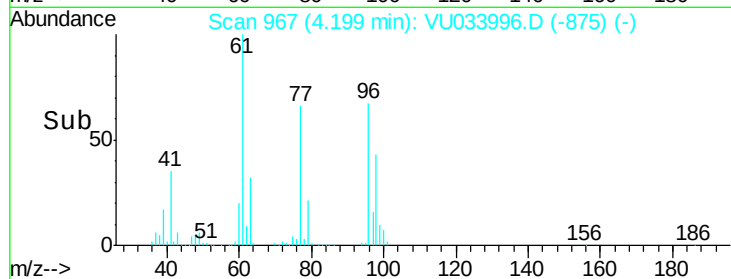
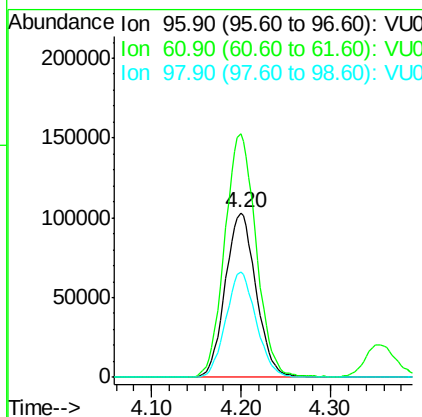
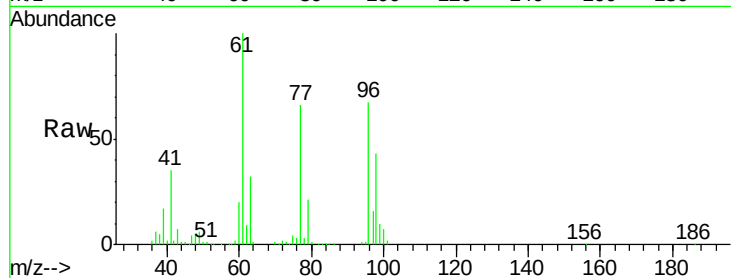
cis-1,2-Dichloroethene
Concen: 56.716 ug/l
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	247095		
61	150.7	0.0	287.2	
98	63.1	0.0	131.8	

Manual Integrations
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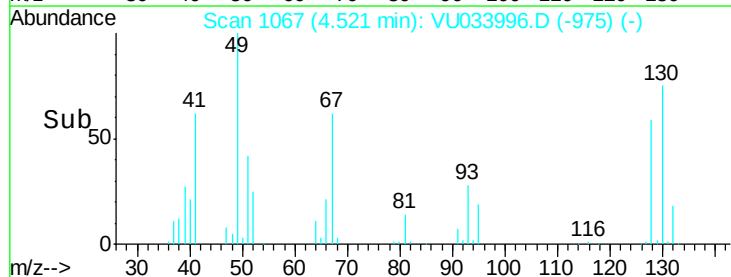
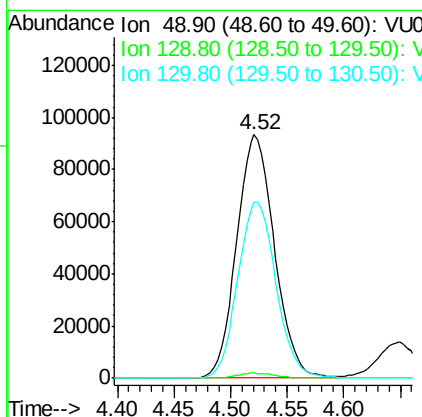
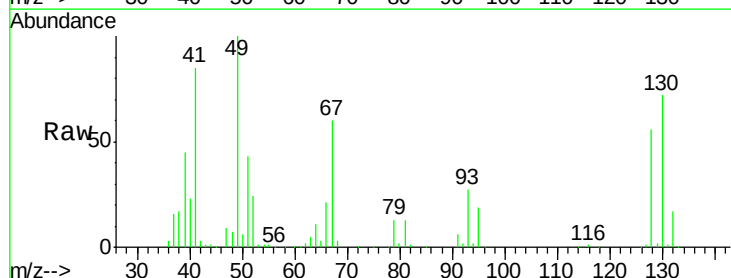
MMDadoda
8/28/2019 9:58:17 AM

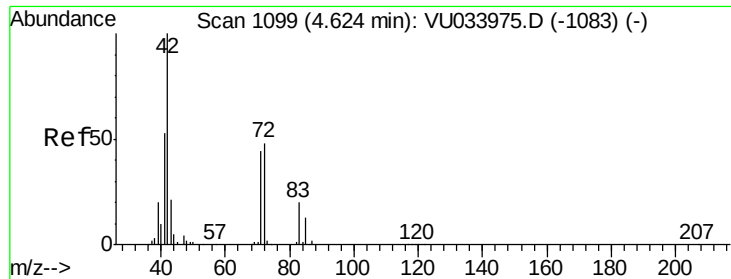


#28

Bromochloromethane
Concen: 67.938 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	217329		
129	1.9	0.0	4.6	
130	73.2	71.0	106.6	





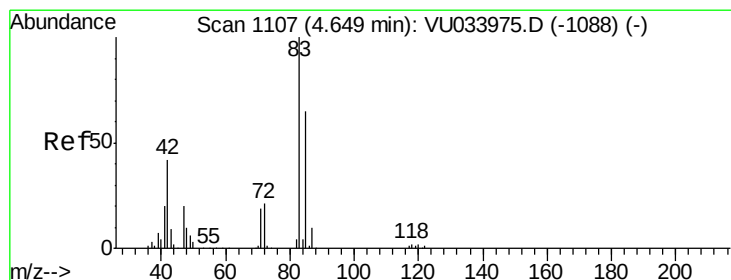
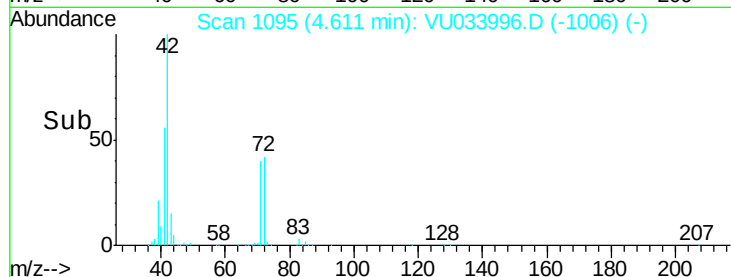
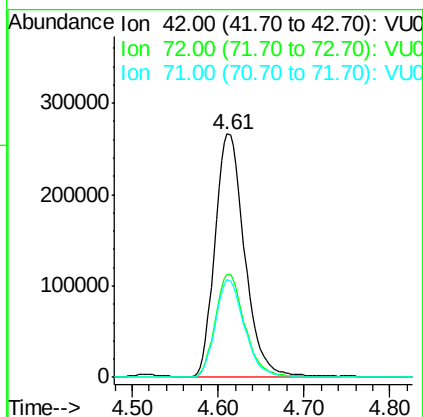
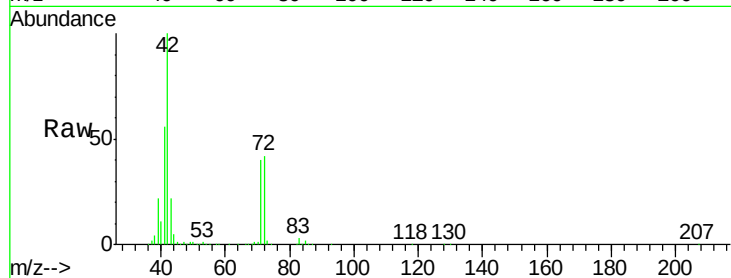
#29
Tetrahydrofuran
Concen: 345.576 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	38.9	58.3
71	39.4	35.7	53.5

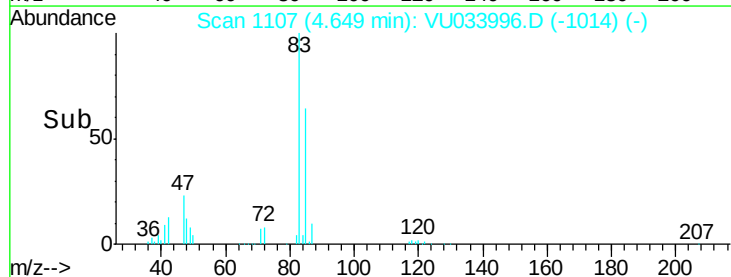
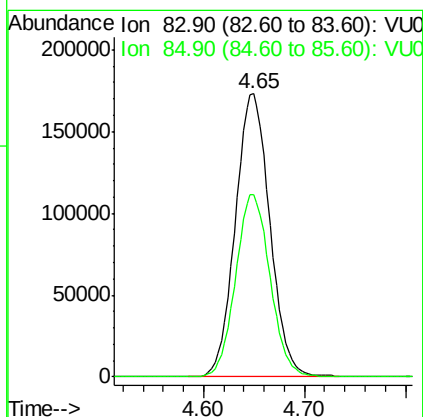
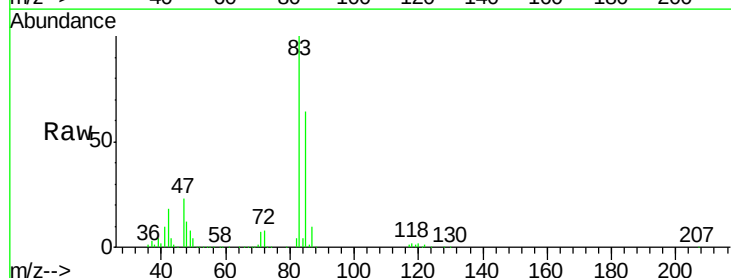
Manual Integrations
APPROVED

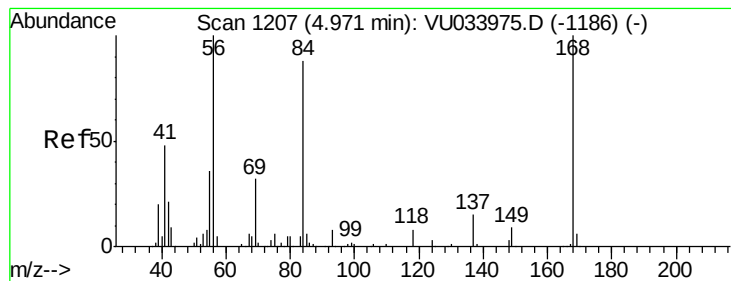
MMDadoda
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#30
Chloroform
Concen: 57.690 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.1	78.1





#31

Cyclohexane

Concen: 60.087 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

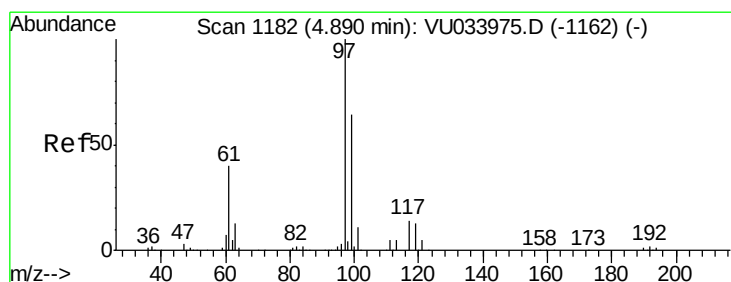
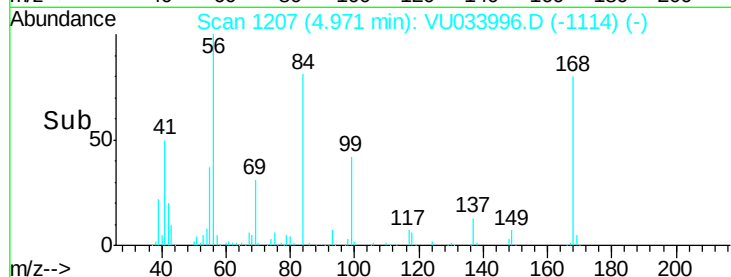
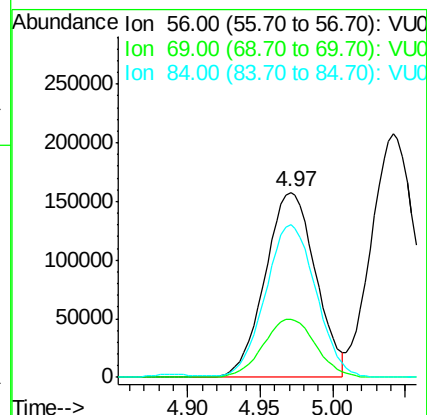
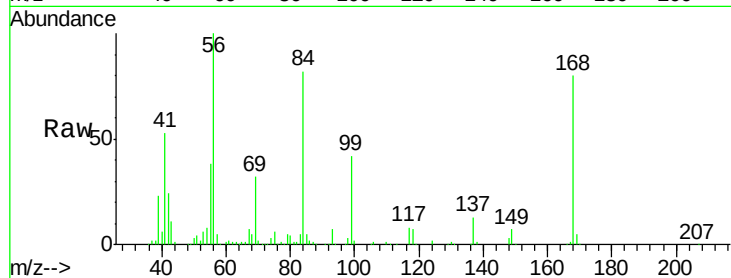
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	381491
Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.9	38.9
84	81.4	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 57.549 ug/l

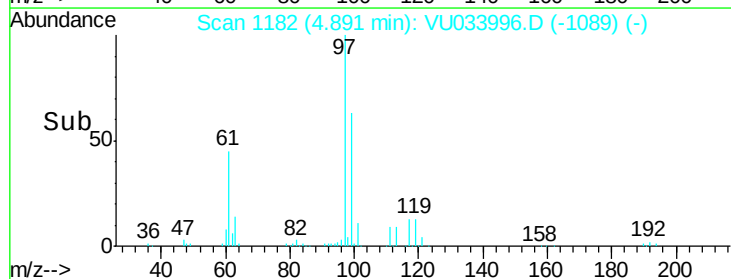
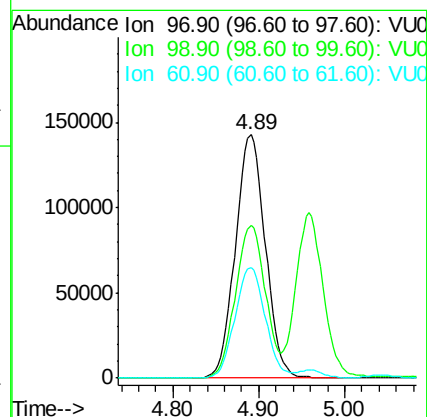
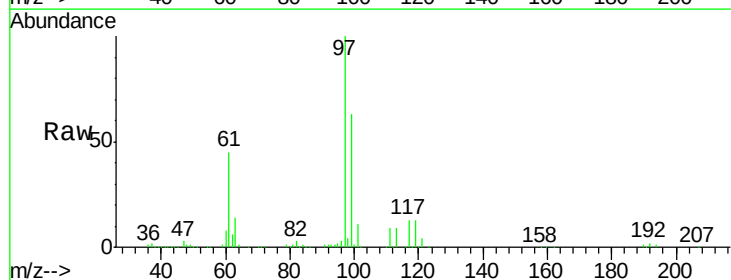
RT: 4.89 min Scan# 1182

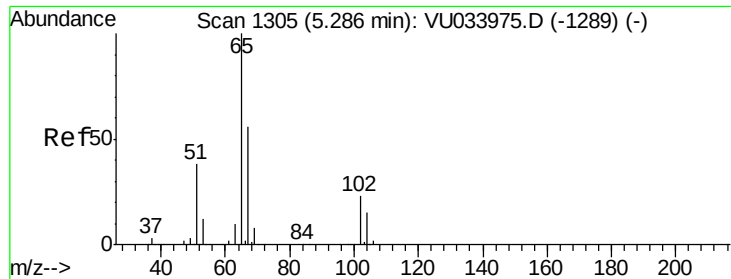
Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Tgt Ion:	97	Resp:	344924
Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.6	77.4
61	46.2	32.7	49.1





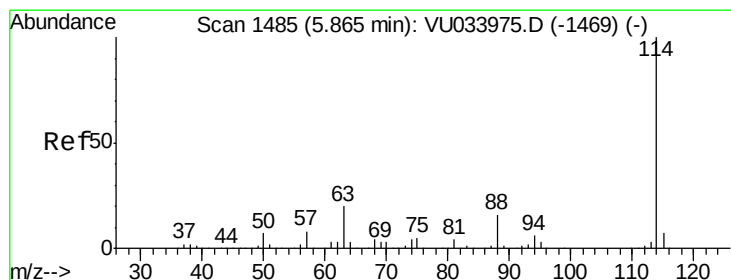
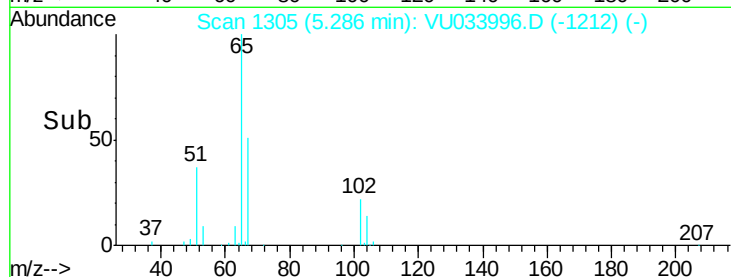
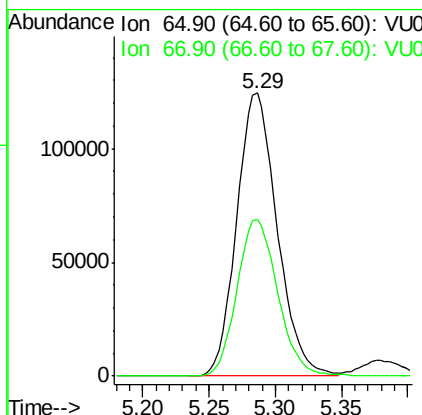
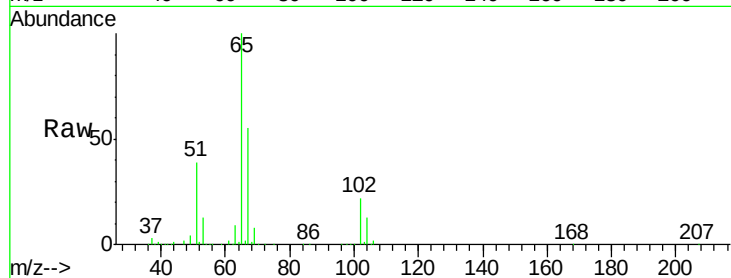
#33
 1,2-Dichloroethane-d4
 Concen: 61.314 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	264013		
67	55.9	0.0	111.0	

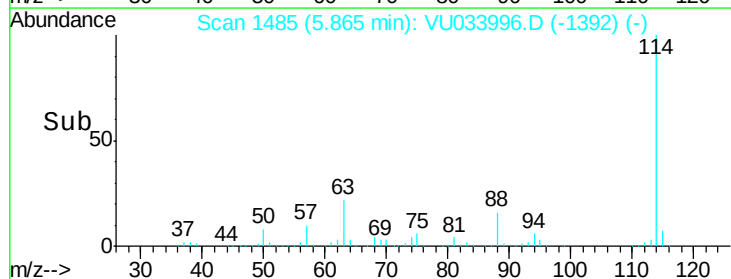
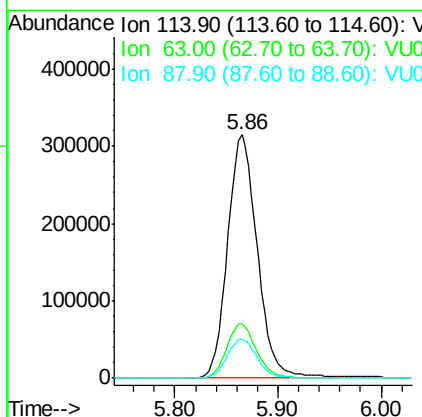
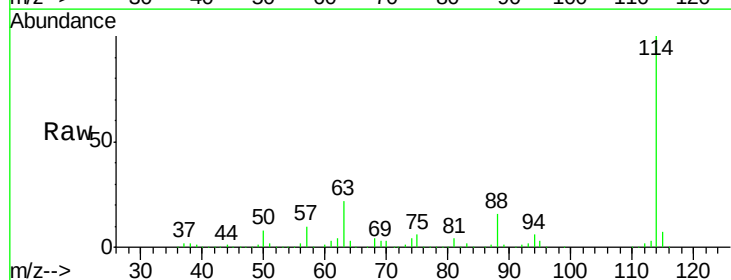
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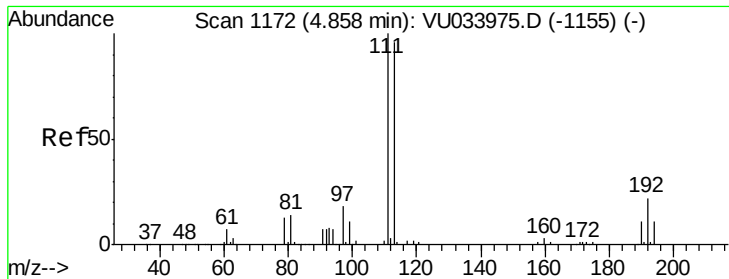
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	632623		
63	22.1	0.0	39.0	
88	16.1	0.0	31.2	





#35

Dibromofluoromethane

Concen: 50.006 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

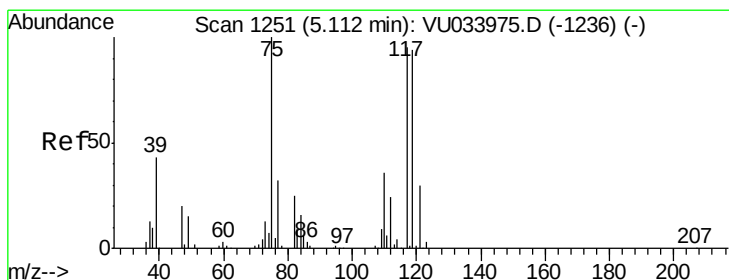
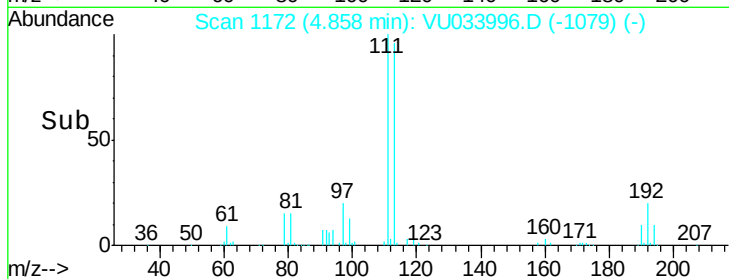
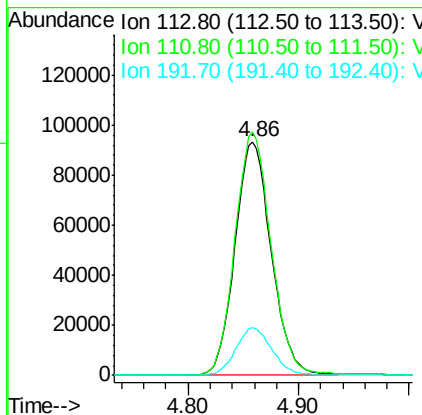
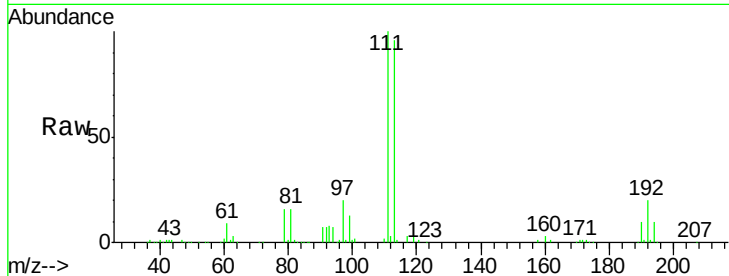
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	212648
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.7	122.5
192	20.5	18.6	27.8

Manual Integrations
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8/28/2019 9:58:17 AM



#36

1,1-Dichloropropene

Concen: 52.551 ug/l

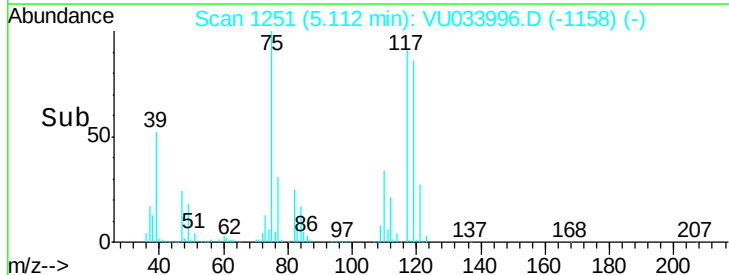
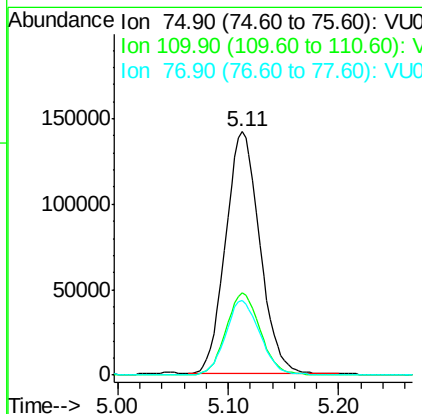
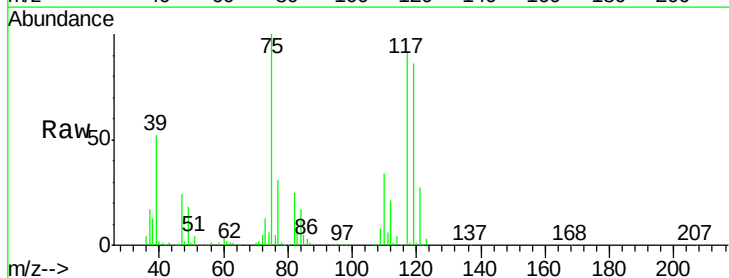
RT: 5.11 min Scan# 1251

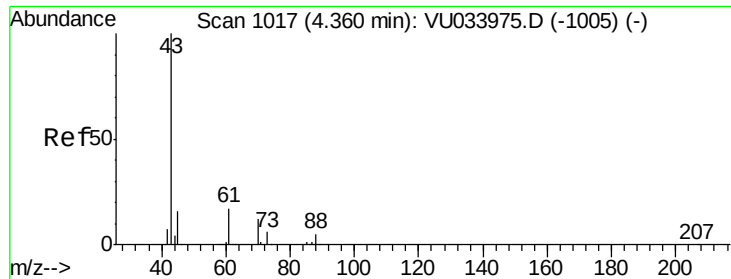
Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Tgt Ion:	75	Resp:	304492
Ion	Ratio	Lower	Upper
75	100		
110	34.2	18.2	54.6
77	31.1	24.8	37.2





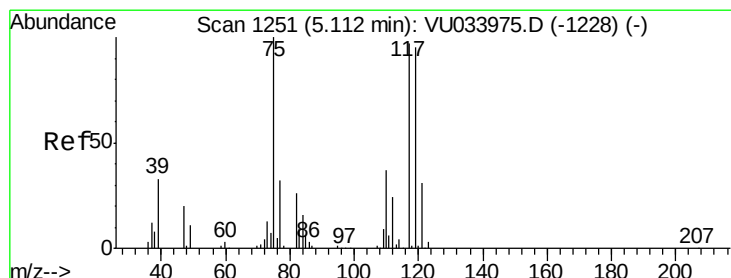
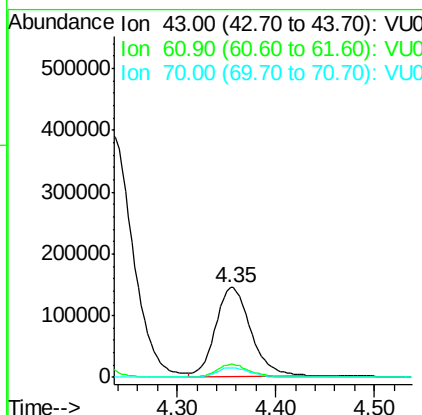
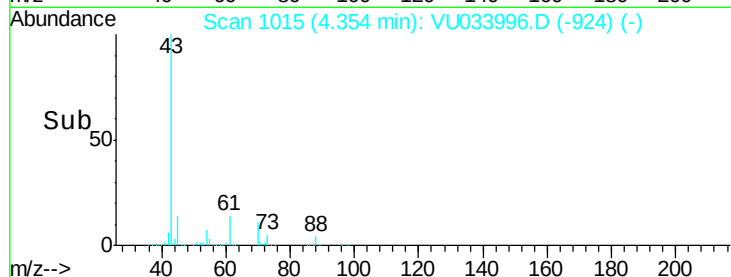
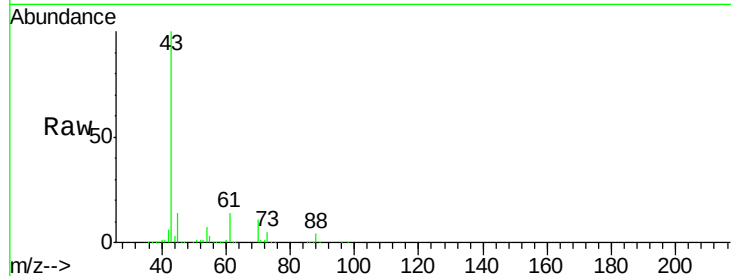
#37
Ethyl Acetate
Concen: 62.262 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	12.0	18.0
70	10.3	9.2	13.8

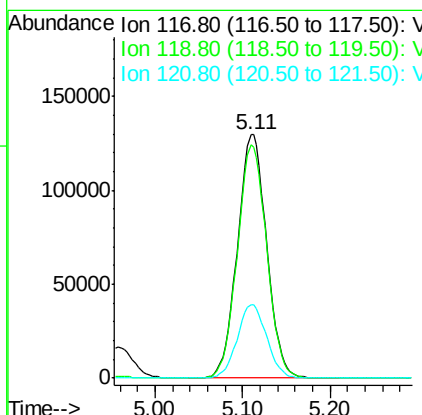
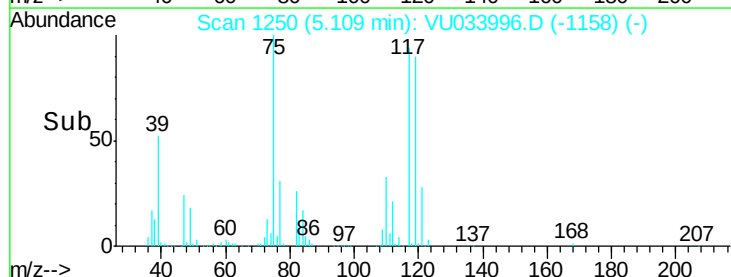
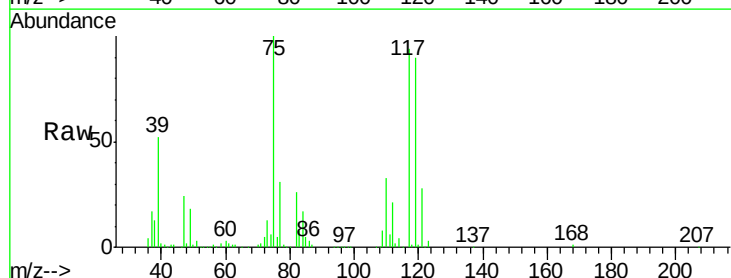
Manual Integrations
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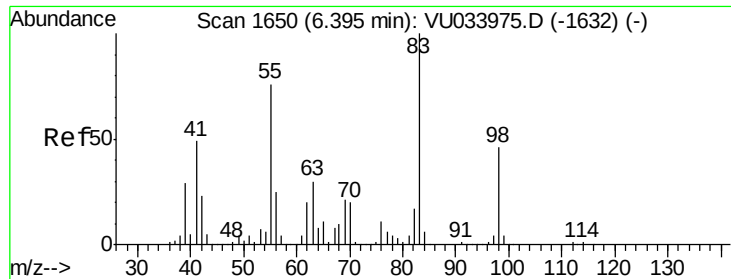
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#38
Carbon Tetrachloride
Concen: 50.640 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.4	117.6
121	30.3	25.4	38.2





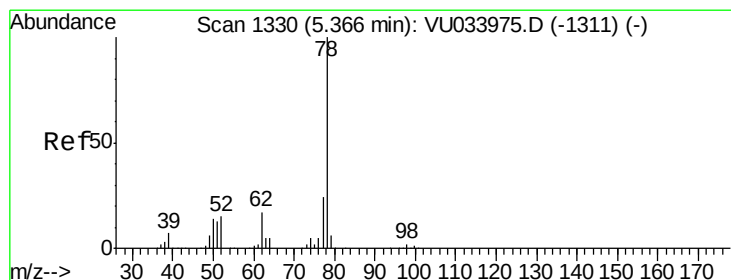
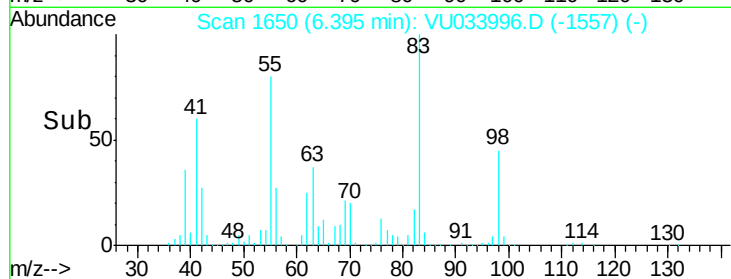
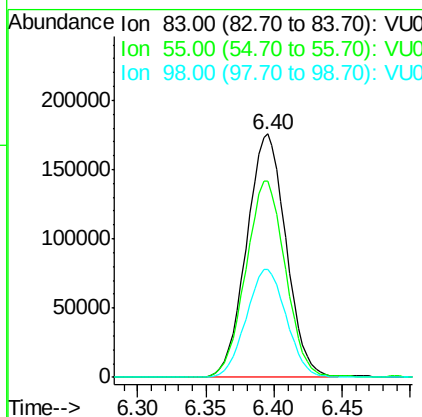
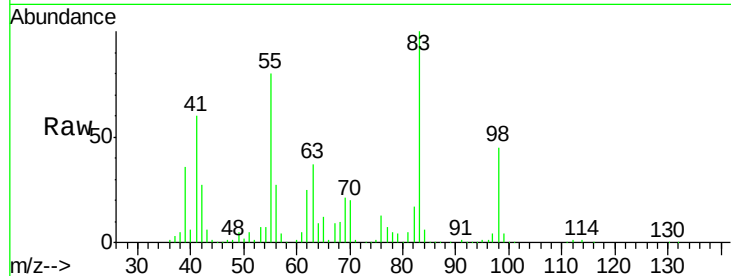
#39
Methylvlcyclohexane
Concen: 51.411 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.5	60.8	91.2
98	44.6	36.5	54.7

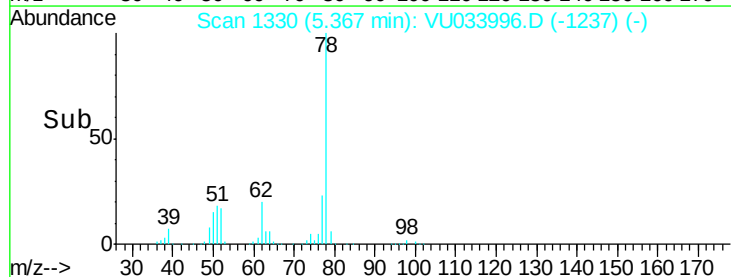
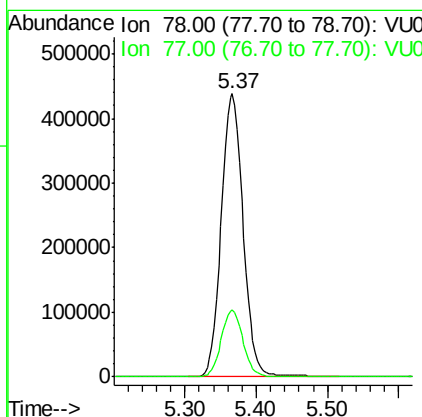
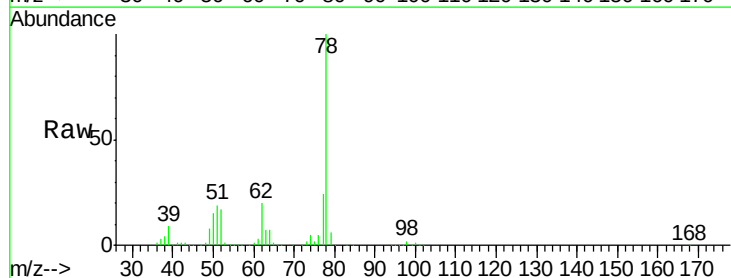
Manual Integrations
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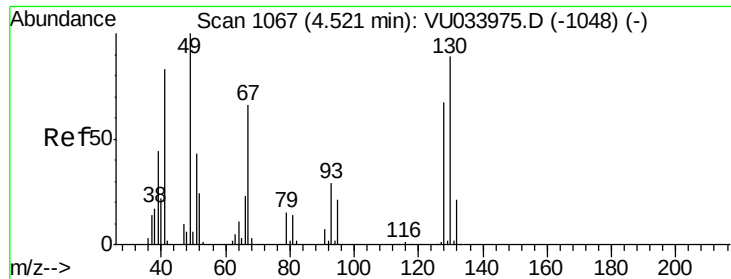
MMDadoda
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#40
Benzene
Concen: 54.328 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





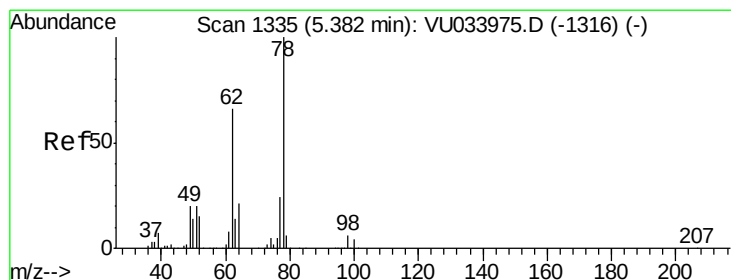
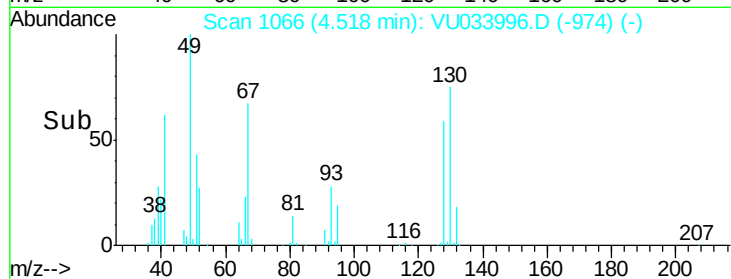
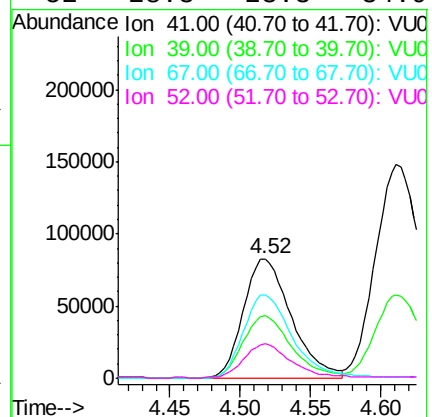
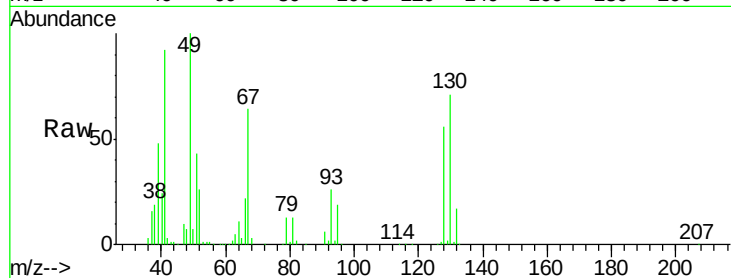
#41
Methacrylonitrile
Concen: 65.202 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	41.5	62.3	
67	72.7	65.0	97.6	
52	28.3	23.3	34.9	

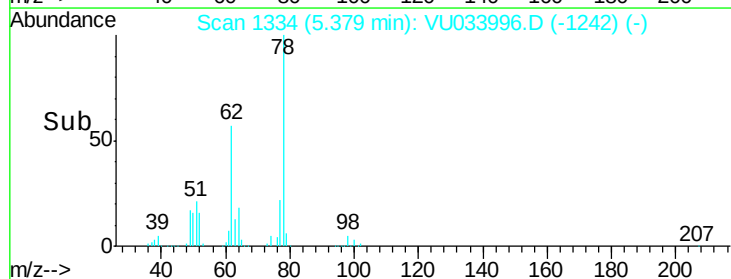
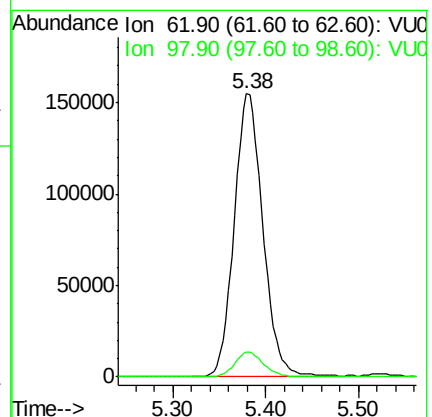
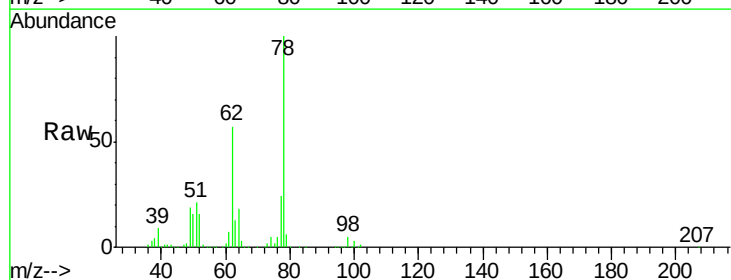
Manual Integrations
APPROVED

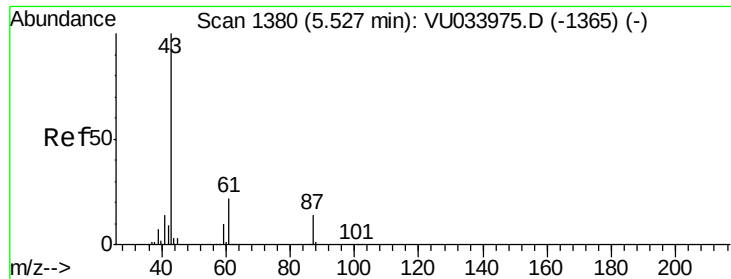
MMDadoda
8/28/2019 9:58:17 AM



#42
1,2-Dichloroethane
Concen: 57.003 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	20.0	





#43

Isopropyl Acetate

Concen: 62.981 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

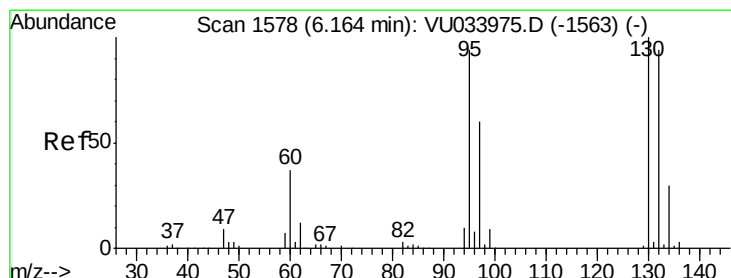
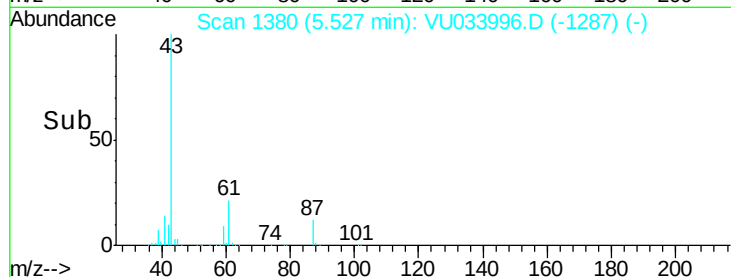
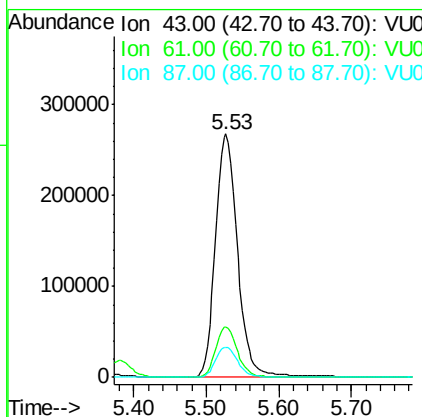
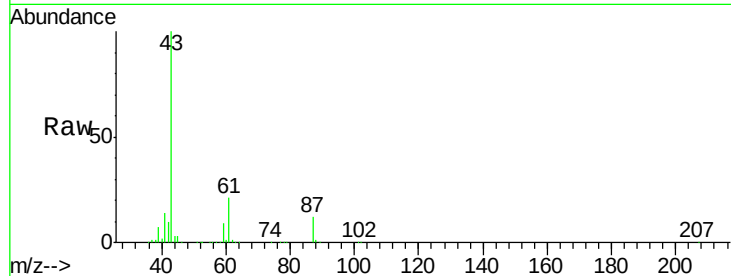
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	561214
Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.8	26.8
87	12.5	11.9	17.9

Manual Integrations
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#44

Trichloroethene

Concen: 47.496 ug/l

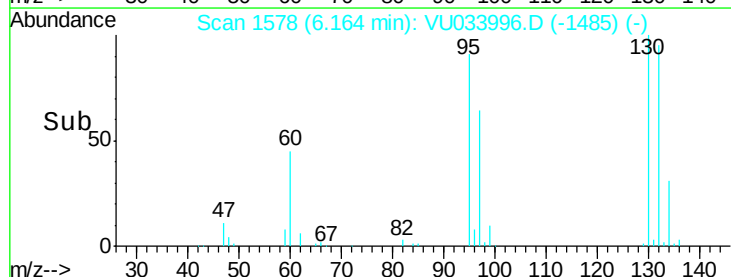
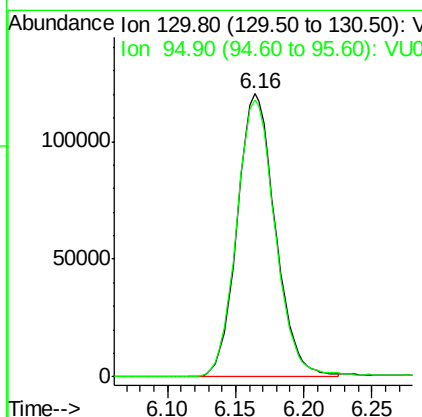
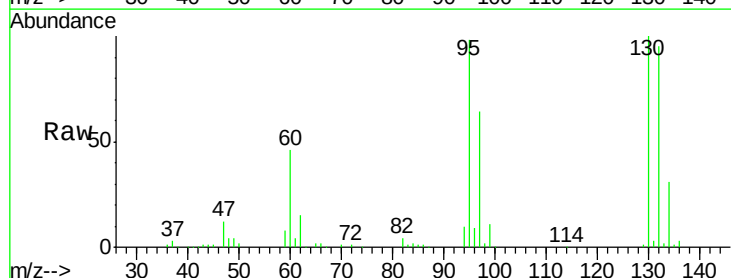
RT: 6.16 min Scan# 1578

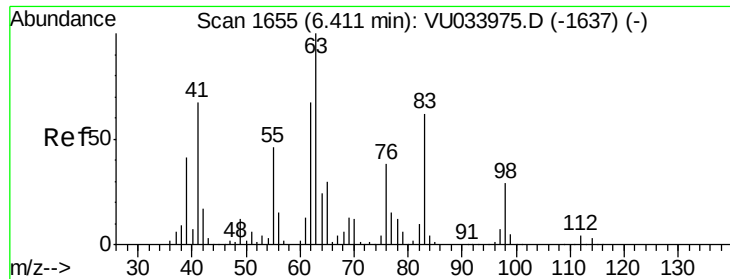
Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Tgt Ion:	130	Resp:	233304
Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	187.6





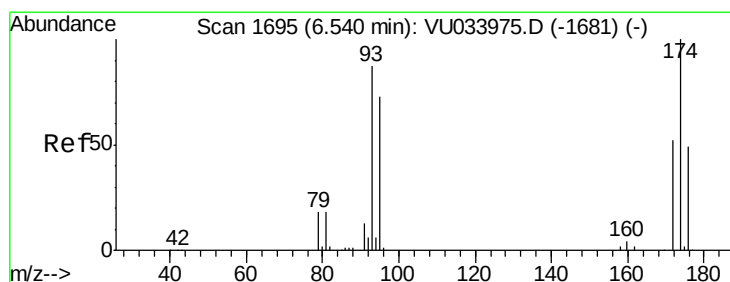
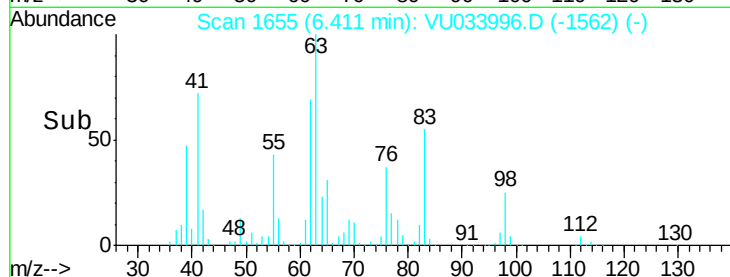
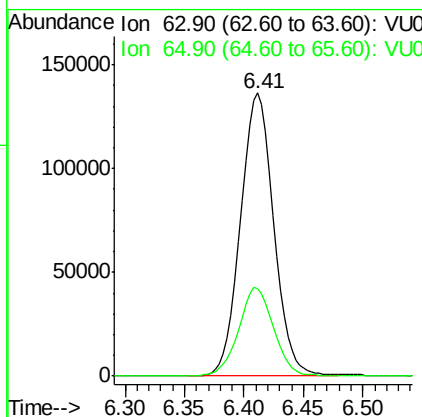
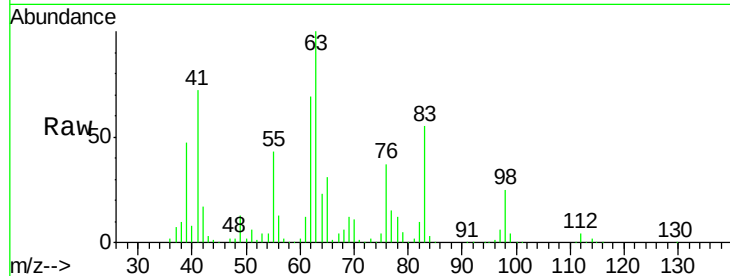
#45
 1,2-Dichloropropane
 Concen: 57.437 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 264728
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.3 36.5

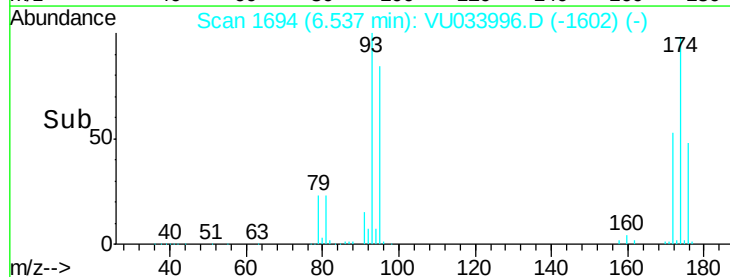
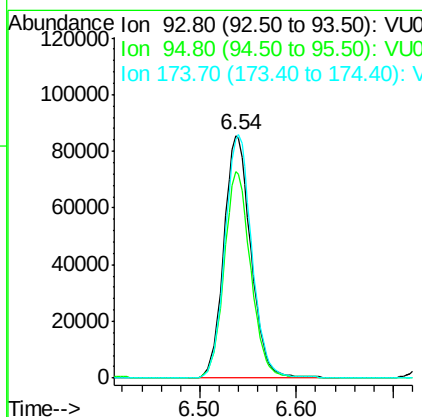
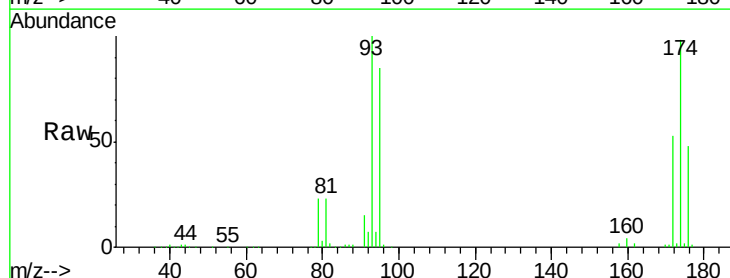
Manual Integrations
 APPROVED

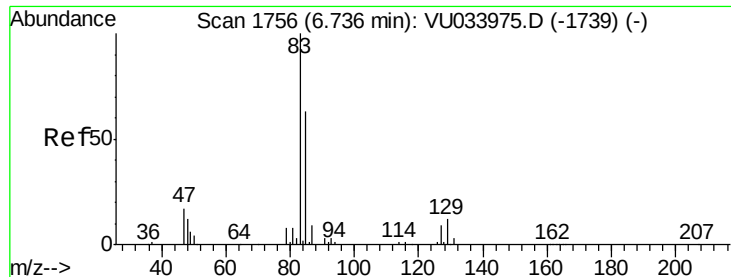
MMDadoda
 8/28/2019 9:58:17 AM



#46
 Dibromomethane
 Concen: 52.967 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Tgt Ion: 93 Resp: 166025
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.2 99.4
 174 99.8 92.2 138.2





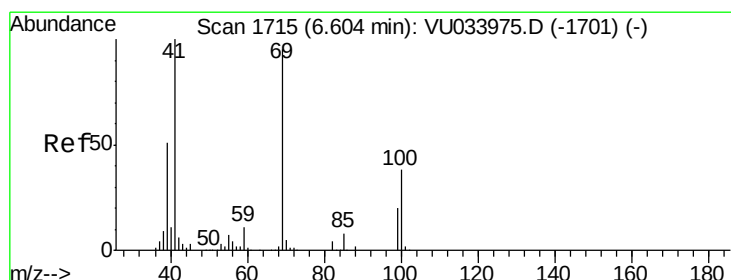
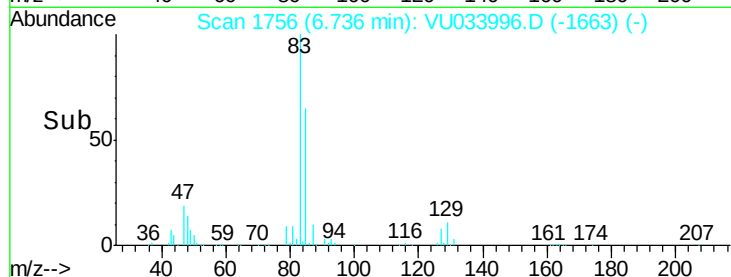
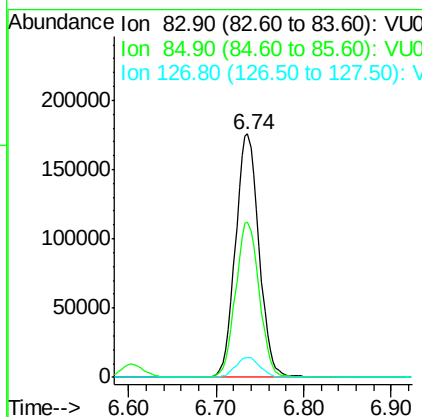
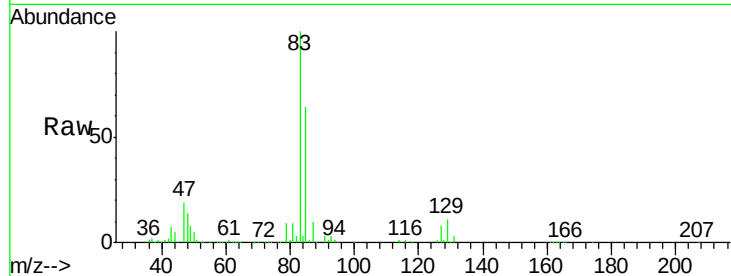
#47
 Bromodichloromethane
 Concen: 54.985 ug/l
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.7	50.6	76.0	
127	8.3	7.4	11.0	

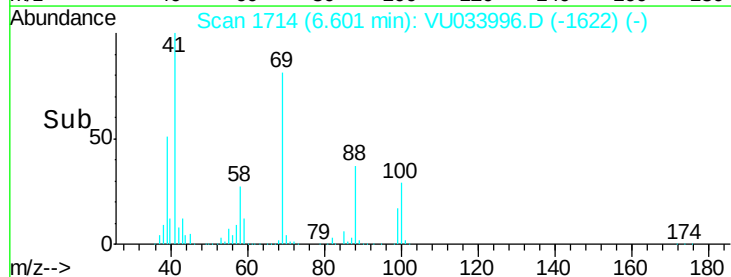
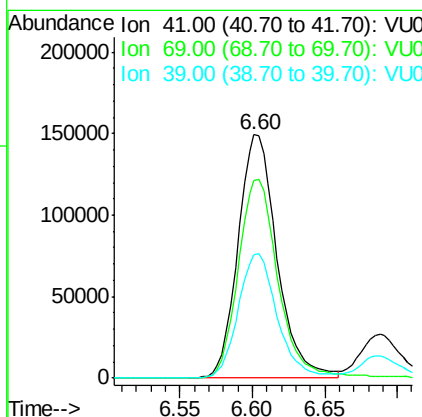
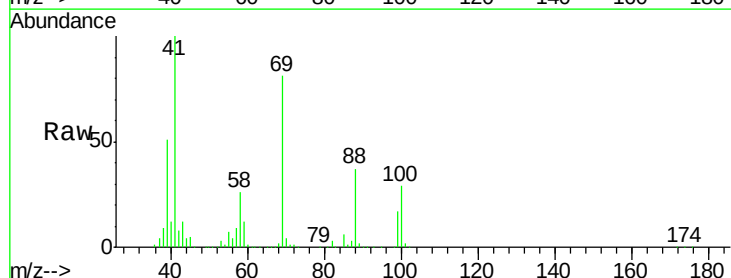
Manual Integrations
 APPROVED

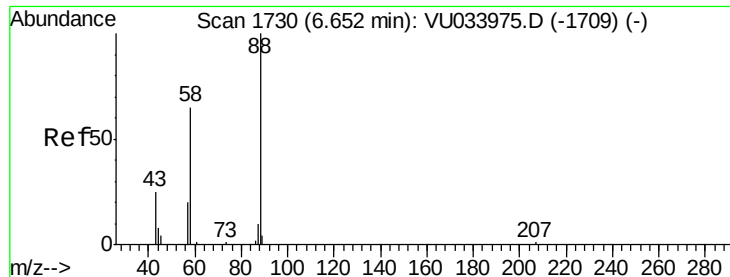
MMDadoda
 8/28/2019 9:58:17 AM



#48
 Methyl methacrylate
 Concen: 65.556 ug/l
 RT: 6.60 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	84.2	76.3	114.5	
39	51.2	41.1	61.7	





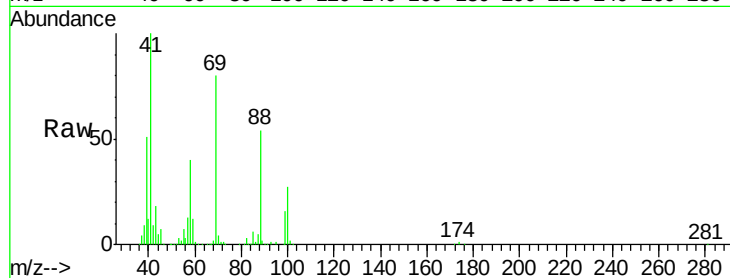
#49
 1,4-Dioxane
 Concen: 1099.268 ug/l
 RT: 6.59 min Scan# 1712
 Delta R.T. -0.06 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	0.0	0.0#
58	74.6	56.6	85.0

Manual Integrations
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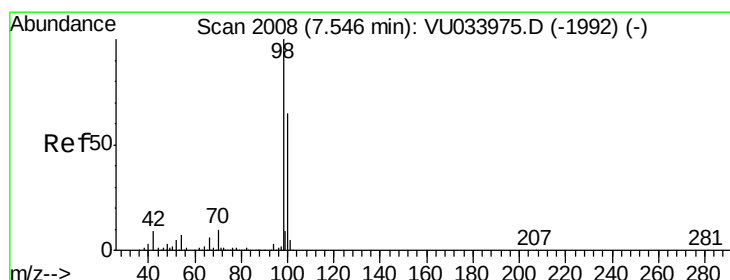
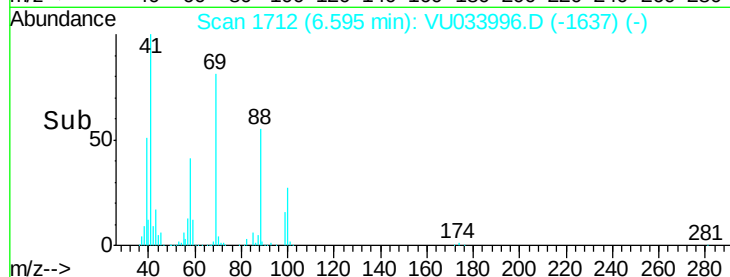
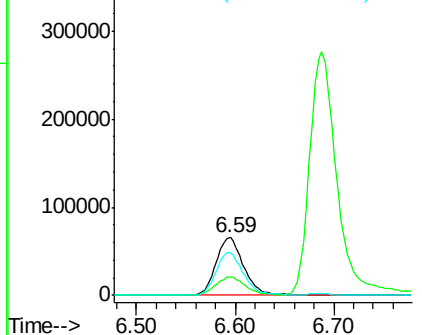
MMDadoda
 8/28/2019 9:58:17 AM



Abundance Ion 88.00 (87.70 to 88.70): VU033996.D (-1637) (-)

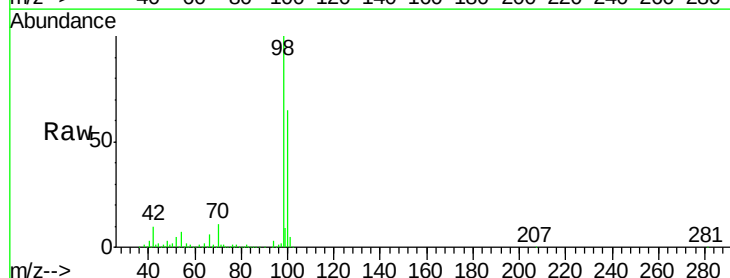
Ion 43.00 (42.70 to 43.70): VU033996.D (-1637) (-)

Ion 58.00 (57.70 to 58.70): VU033996.D (-1637) (-)



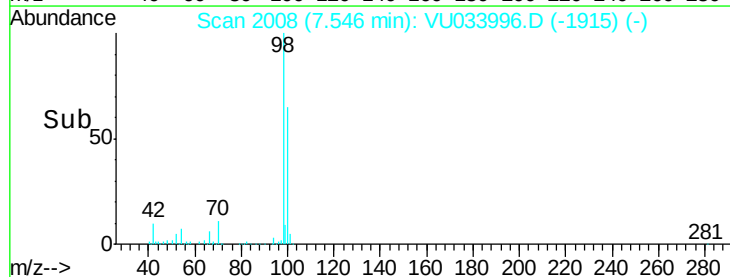
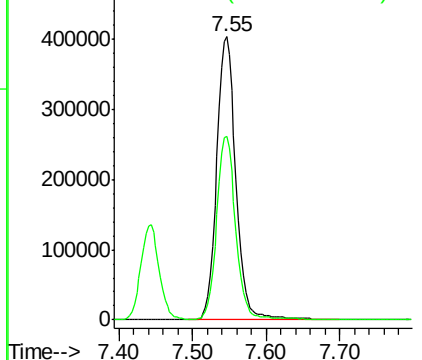
#50
 Toluene-d8
 Concen: 46.428 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

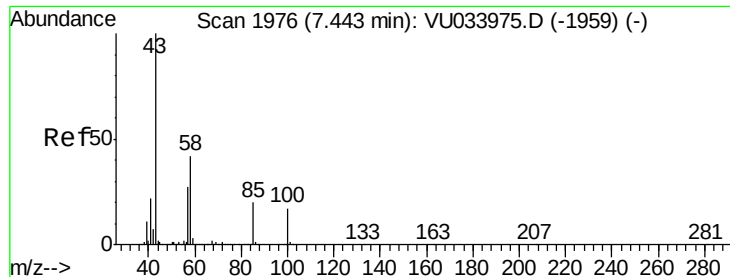
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3



Abundance Ion 98.00 (97.70 to 98.70): VU033996.D (-1915) (-)

Ion 100.00 (99.70 to 100.70): VU033996.D (-1915) (-)





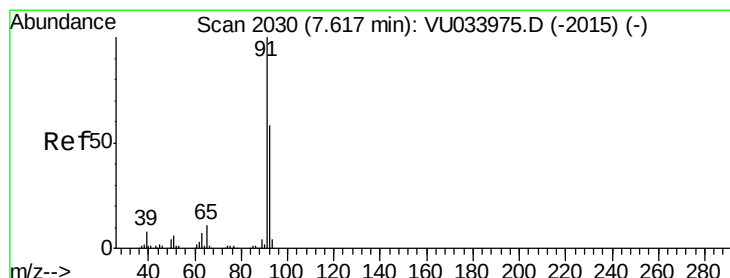
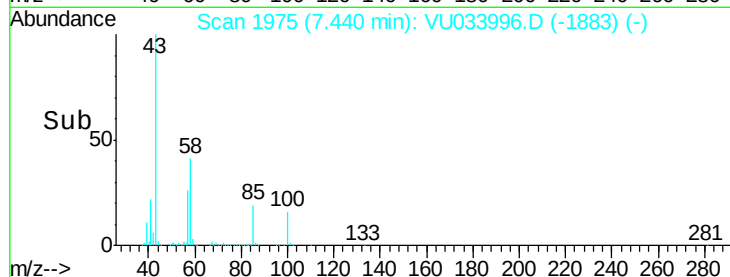
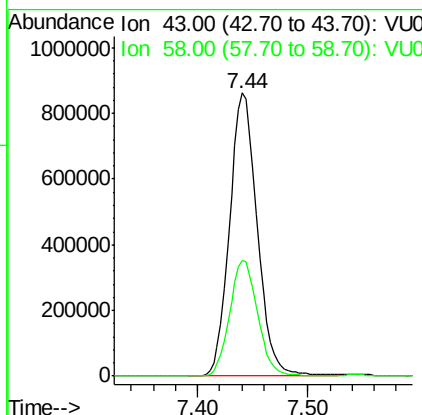
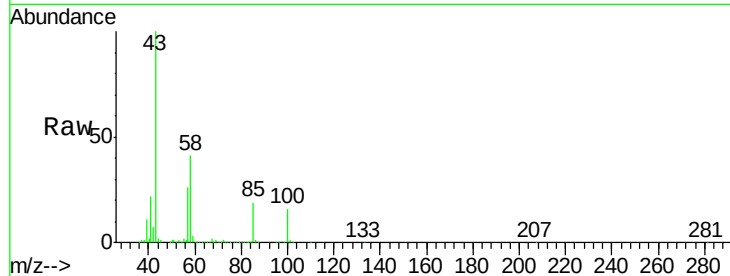
#51
 4-Methyl-2-Pentanone
 Concen: 244.571 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1502619
 Ion Ratio Lower Upper
 43 100
 58 41.4 33.6 50.4

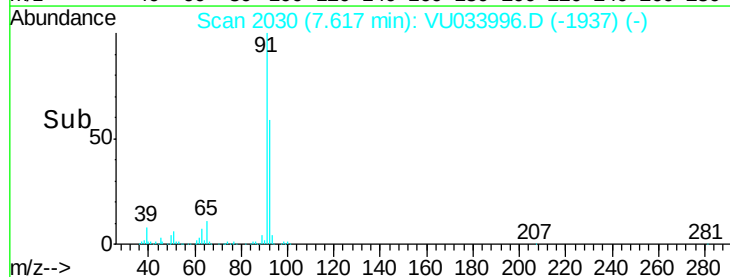
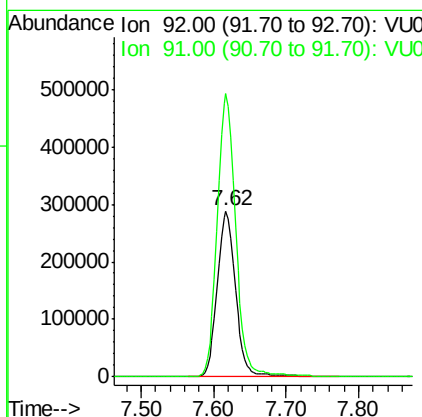
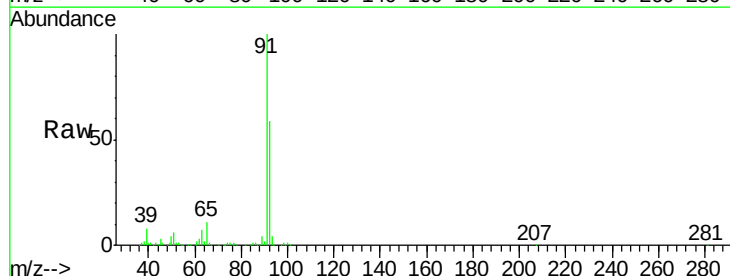
Manual Integrations
 APPROVED

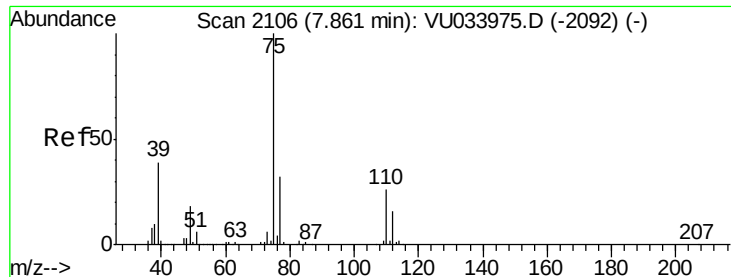
MMDadoda
 8/28/2019 9:58:17 AM



#52
 Toluene
 Concen: 46.996 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Tgt Ion: 92 Resp: 510514
 Ion Ratio Lower Upper
 92 100
 91 172.3 138.8 208.2





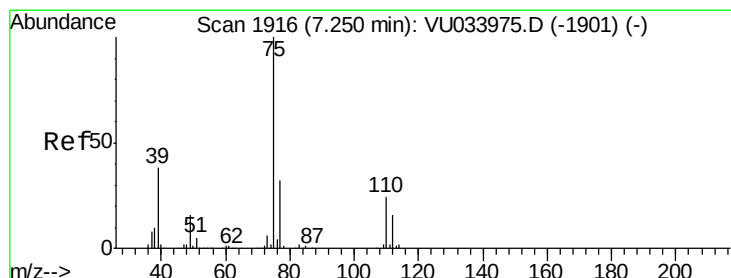
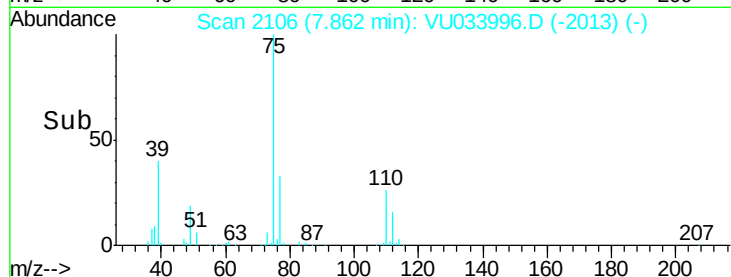
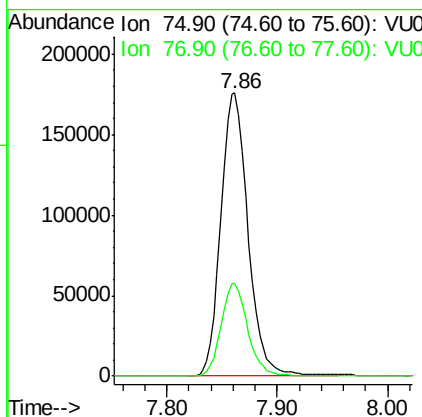
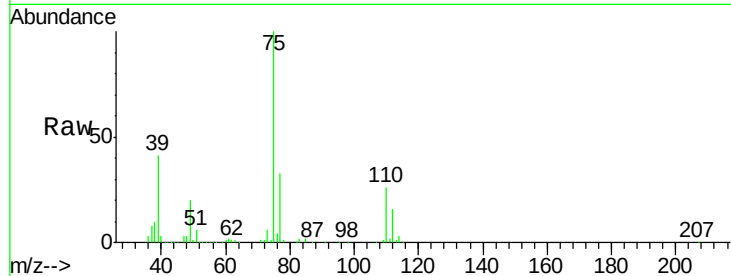
#53
t-1,3-Dichloropropene
Concen: 45.600 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.2

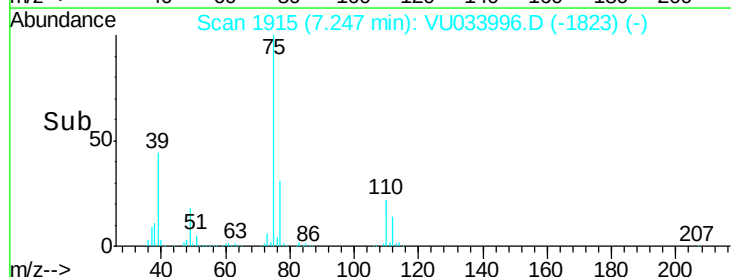
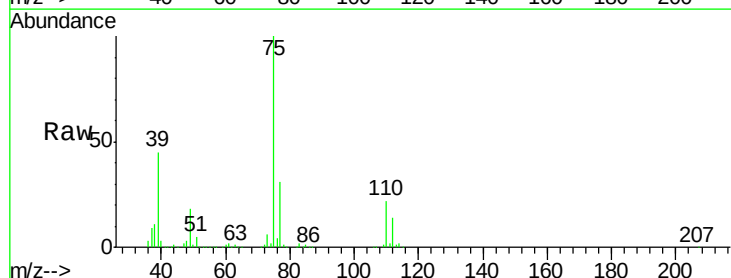
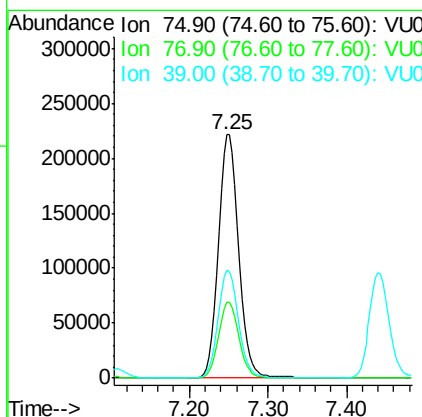
Manual Integrations
APPROVED

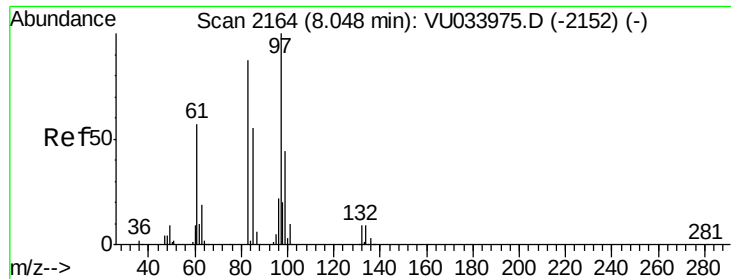
MMDadoda
8/28/2019 9:58:17 AM



#54
cis-1,3-Dichloropropene
Concen: 55.037 ug/l
RT: 7.25 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.6	38.4
39	44.5	30.7	46.1





#55

1,1,2-Trichloroethane

Concen: 46.498 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

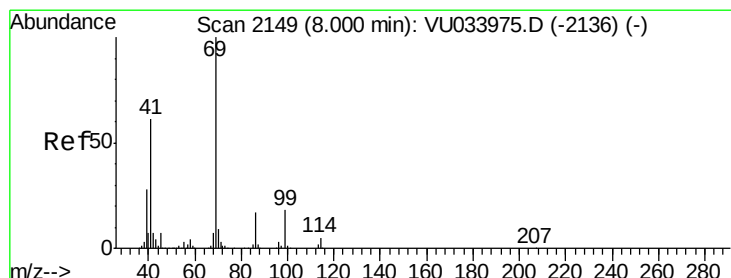
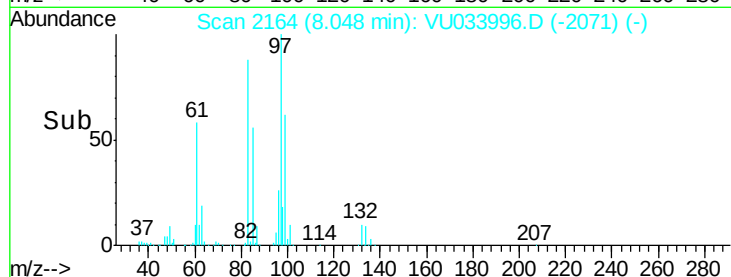
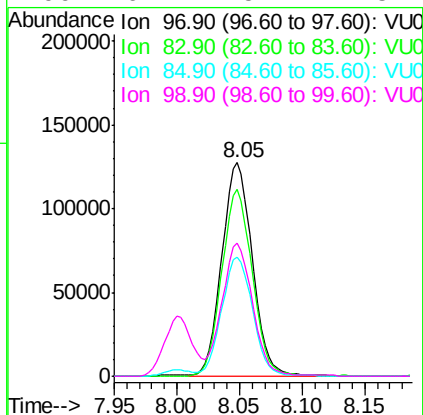
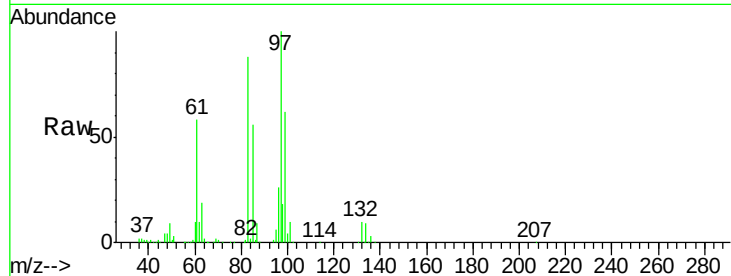
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		213426		
83	87.6	69.8	104.6		
85	56.0	45.2	67.8		
99	62.1	52.2	78.4		

Manual Integrations
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MMDadoda
8/28/2019 9:58:17 AM



#56

Ethyl methacrylate

Concen: 45.968 ug/l

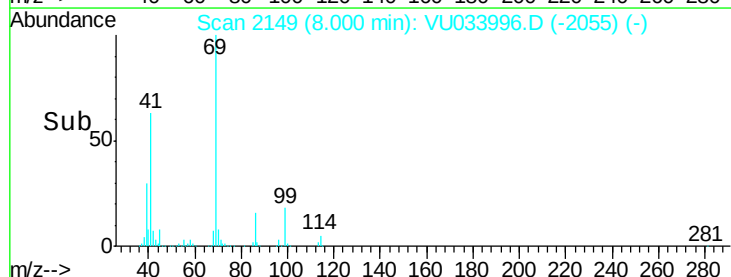
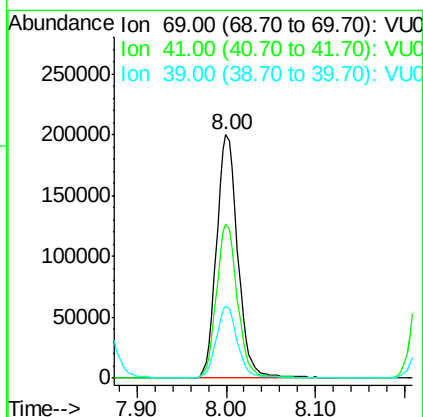
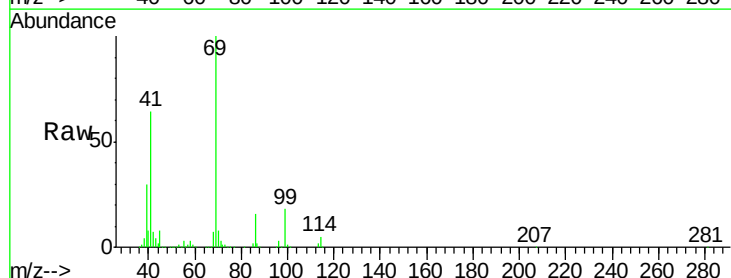
RT: 8.00 min Scan# 2149

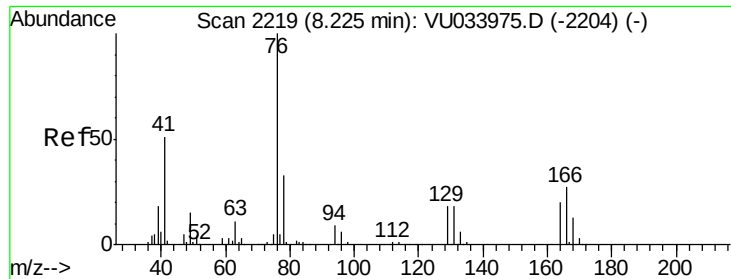
Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		331086		
41	62.4	48.6	72.8		
39	28.9	22.4	33.6		





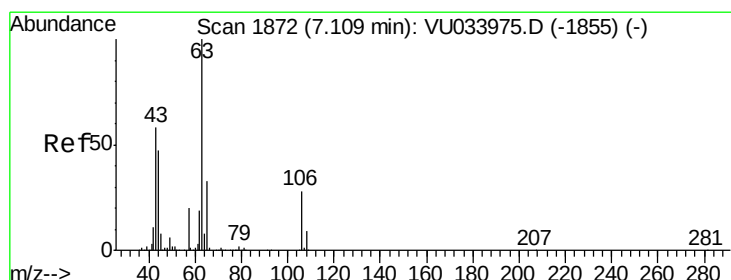
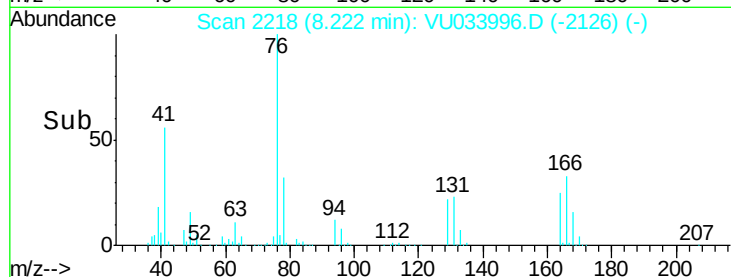
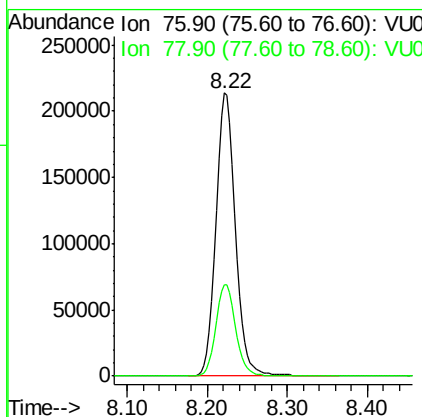
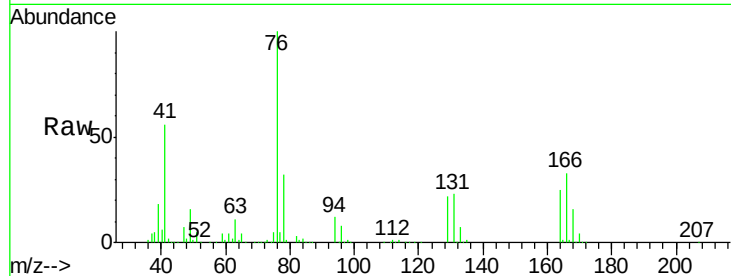
#57
 1,3-Dichloropropane
 Concen: 48.538 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 363079
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.7 38.5

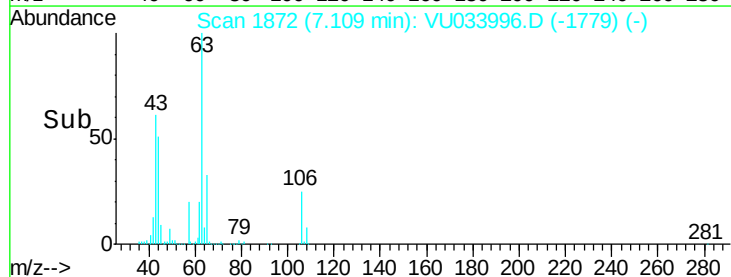
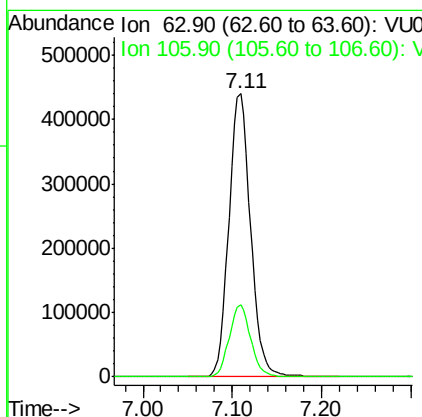
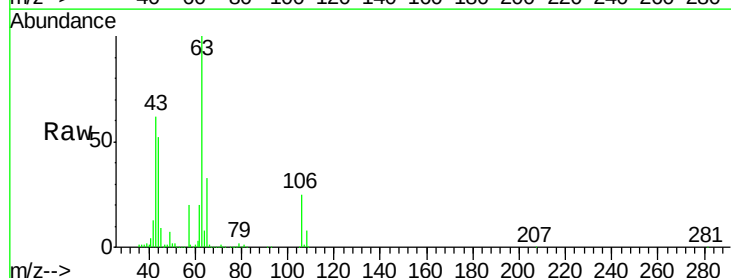
Manual Integrations
 APPROVED

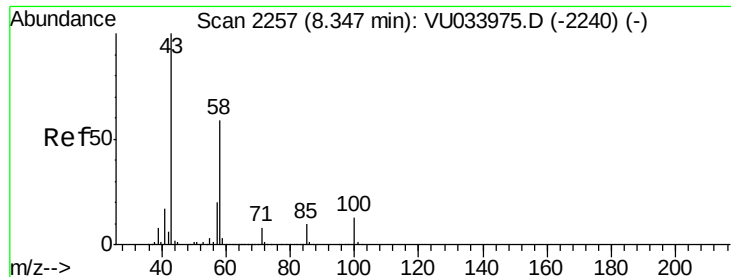
MMDadoda
 8/28/2019 9:58:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 274.715 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Tgt Ion: 63 Resp: 743848
 Ion Ratio Lower Upper
 63 100
 106 25.0 22.4 33.6





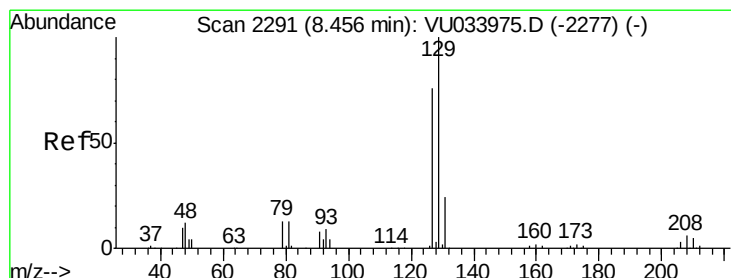
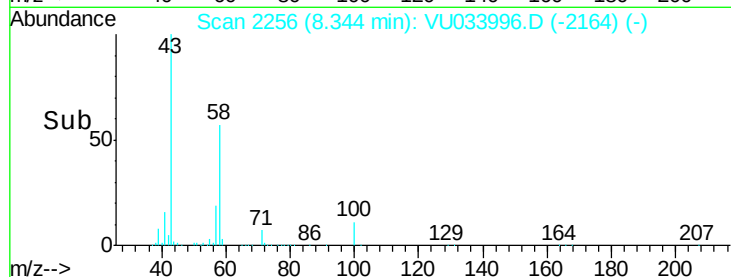
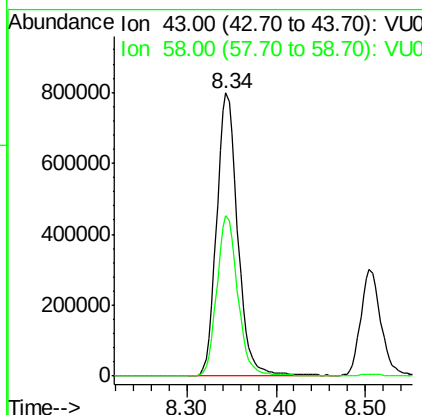
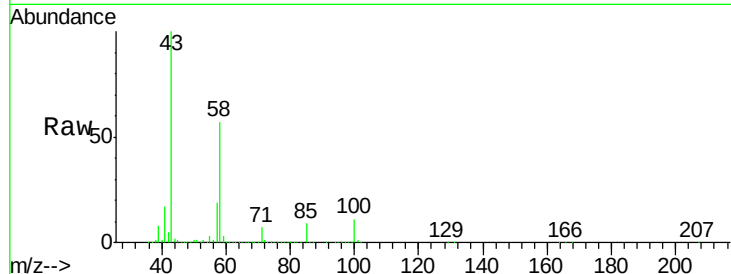
#59
2-Hexanone
Concen: 277.113 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1308646
Ion Ratio Lower Upper
43 100
58 56.5 29.5 88.6

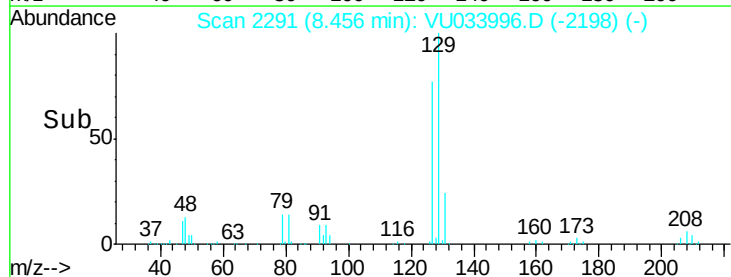
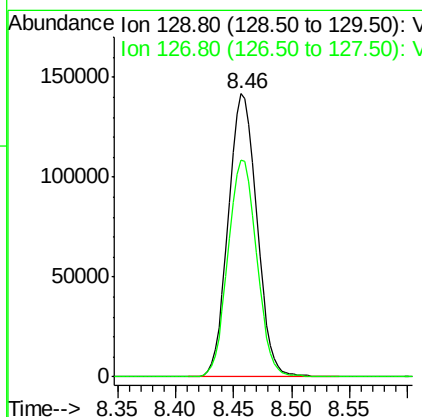
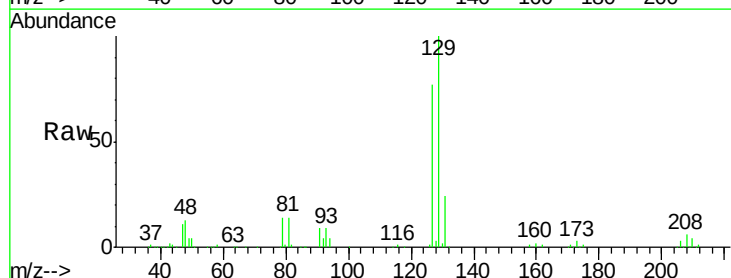
Manual Integrations
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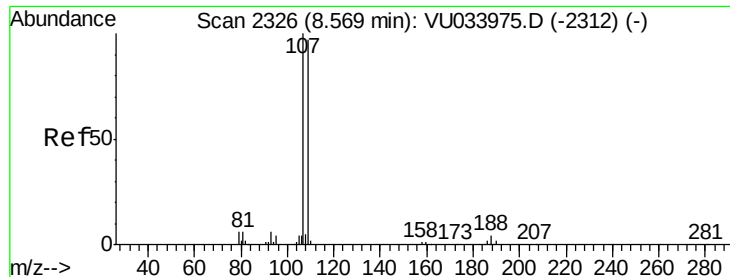
MMDadoda
8/28/2019 9:58:17 AM



#60
Dibromochloromethane
Concen: 46.944 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Tgt Ion: 129 Resp: 242312
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.4





#61

1,2-Dibromoethane

Concen: 48.420 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 234719

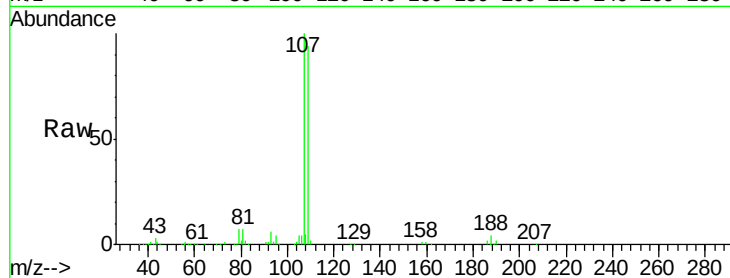
Ion Ratio Lower Upper

107 100

109 94.0 75.7 113.5

Manual Integrations
APPROVED

MMDadoda
8/28/2019 9:58:17 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

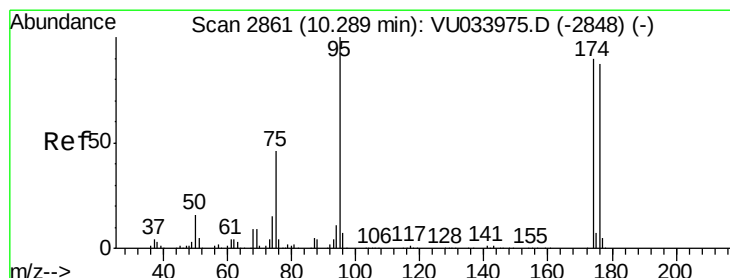
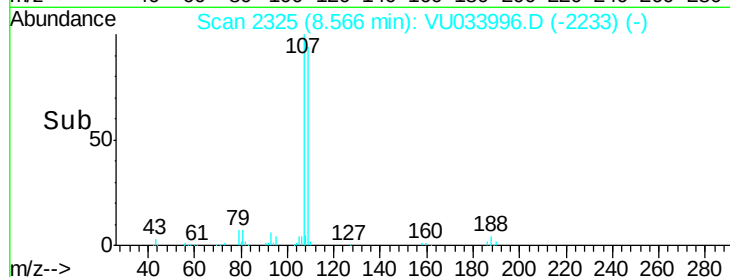
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 41.468 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

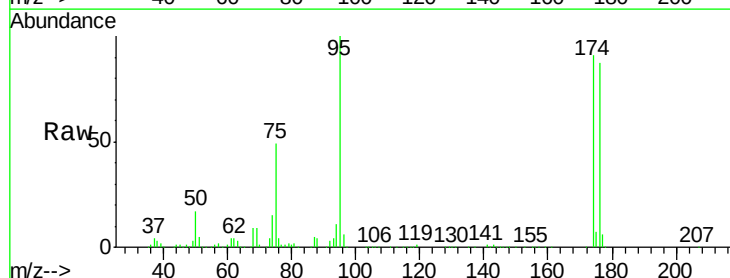
Tgt Ion: 95 Resp: 249504

Ion Ratio Lower Upper

95 100

174 90.6 0.0 183.8

176 87.4 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

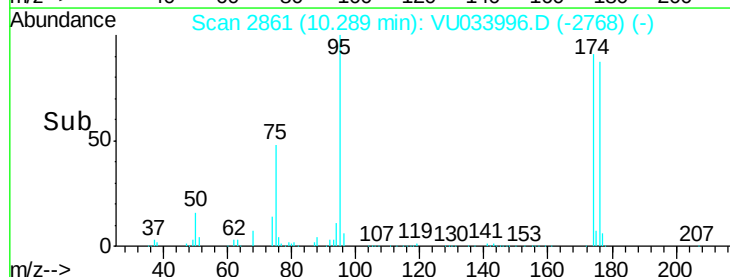
150000

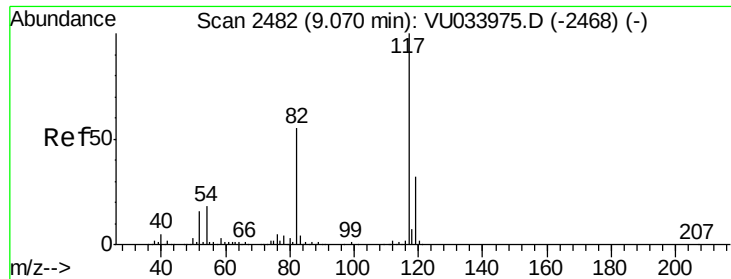
100000

50000

0

Time-->





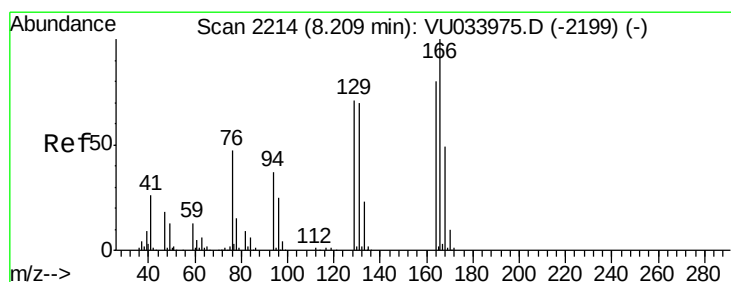
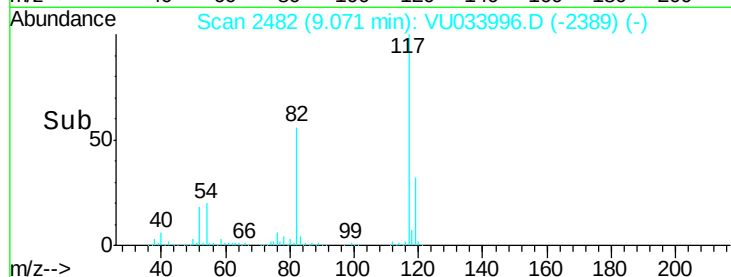
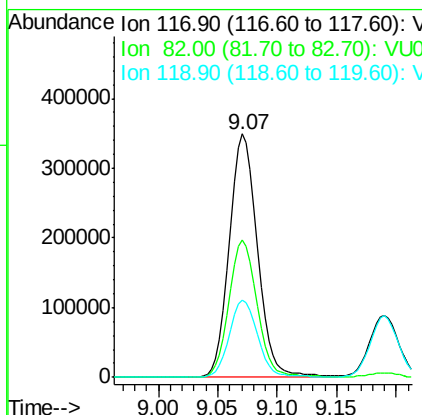
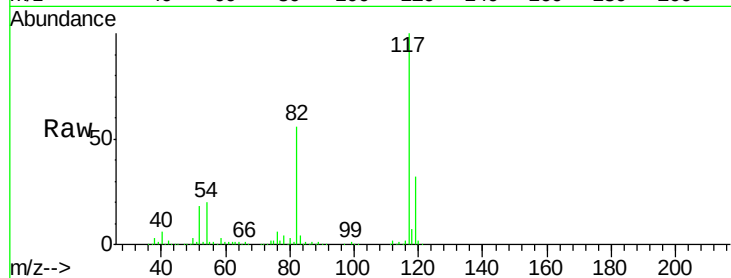
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	576608		
82	56.3		43.8	65.8
119	31.9		25.7	38.5

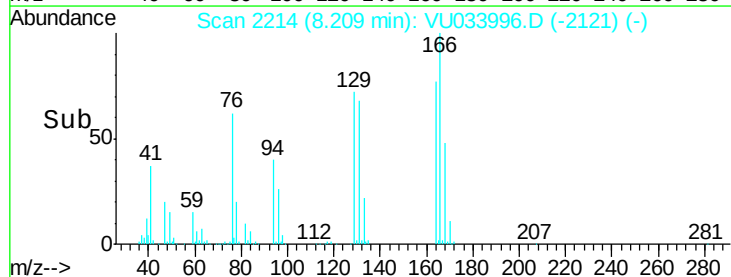
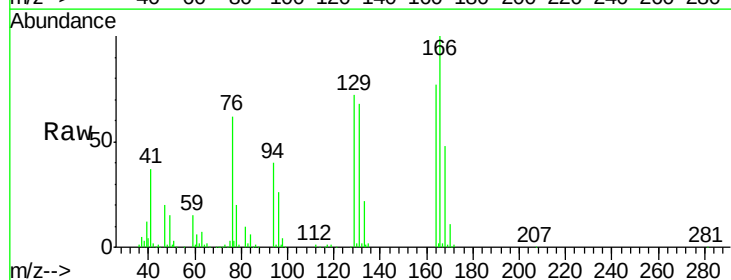
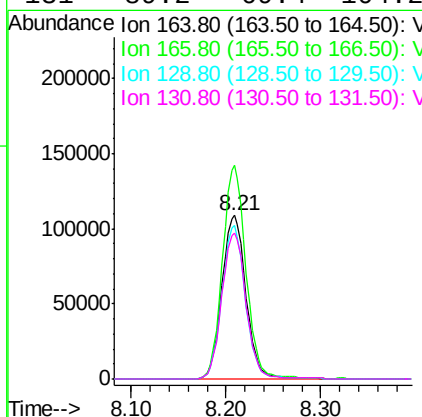
Manual Integrations
APPROVED

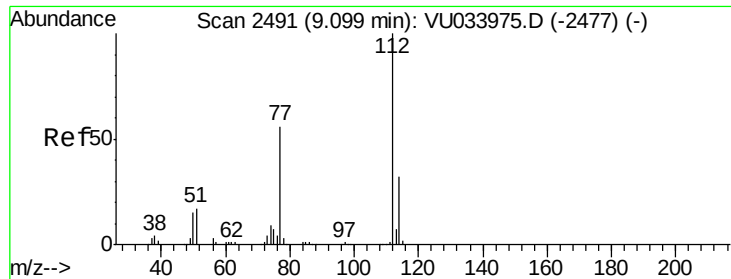
MMDadoda
8/28/2019 9:58:17 AM



#64
Tetrachloroethene
Concen: 41.487 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	192337		
166	130.7		99.5	149.3
129	93.9		70.9	106.3
131	89.2		69.4	104.2





#65

Chlorobenzene

Concen: 48.909 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 580710

Ion Ratio Lower Upper

112 100

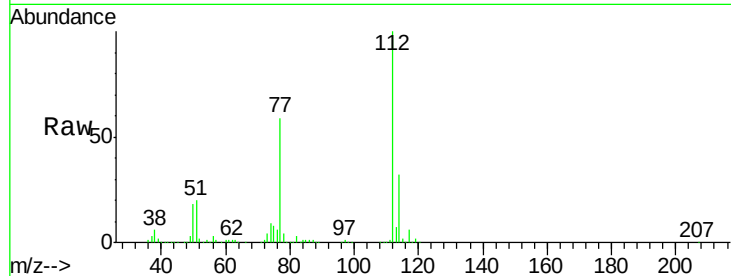
114 32.1 25.8 38.8

Manual Integrations

APPROVED

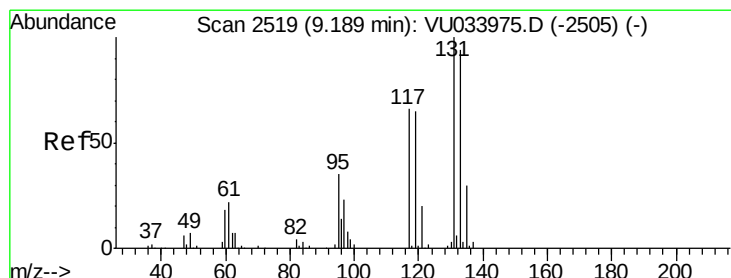
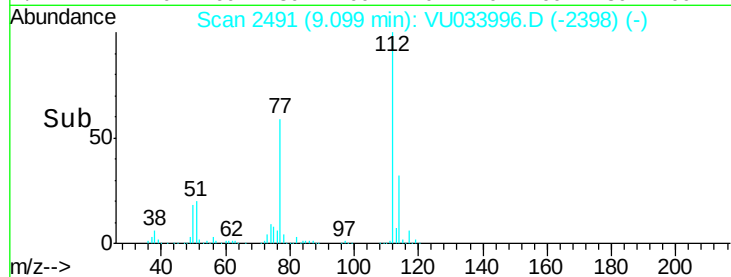
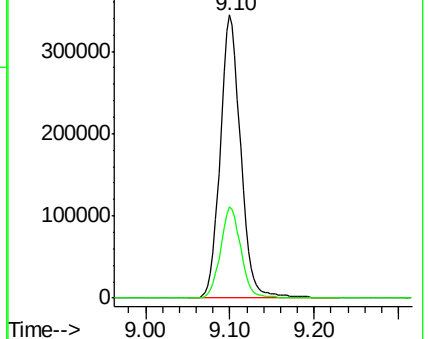
MMDadoda

8/28/2019 9:58:17 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.679 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

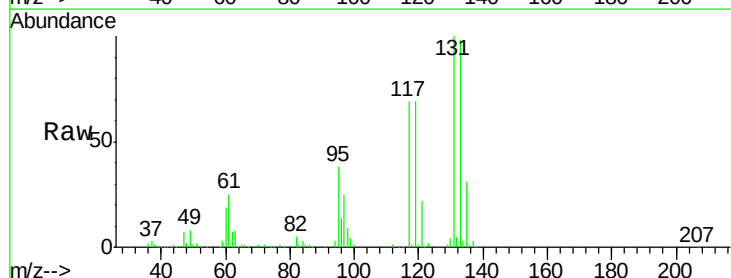
Tgt Ion:131 Resp: 215494

Ion Ratio Lower Upper

131 100

133 97.5 47.6 142.9

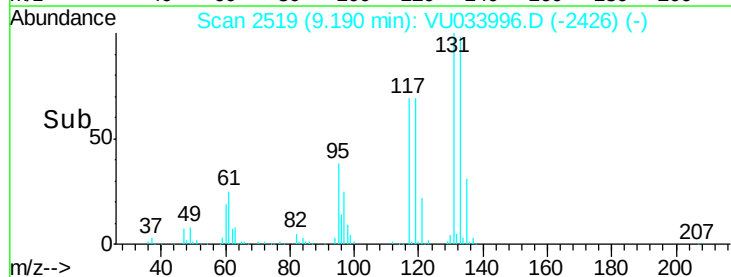
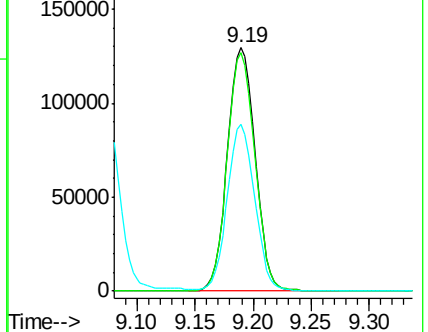
119 67.3 33.0 98.9

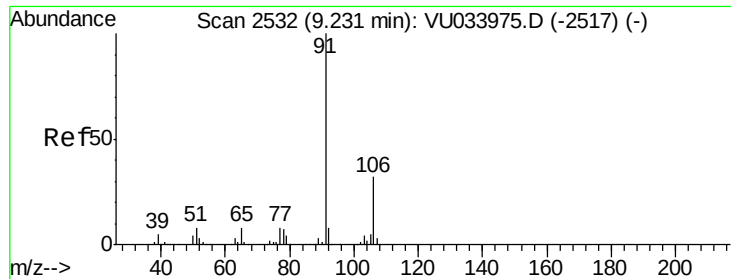


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 54.907 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1086991

Ion Ratio Lower Upper

91 100

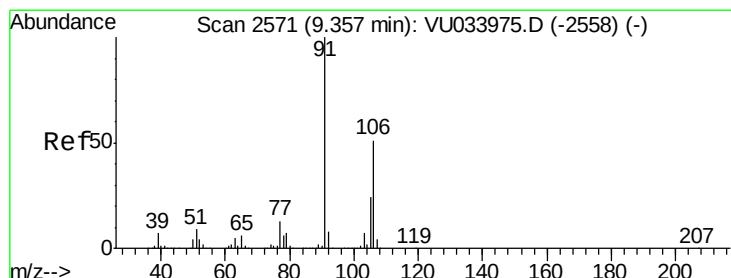
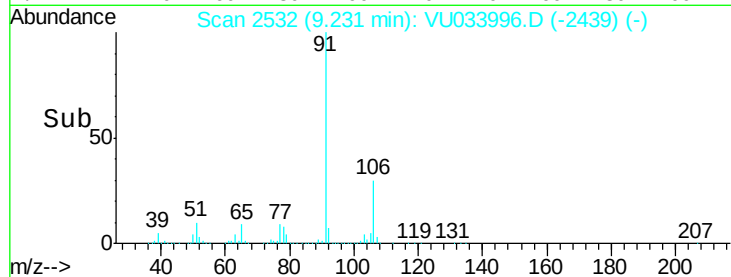
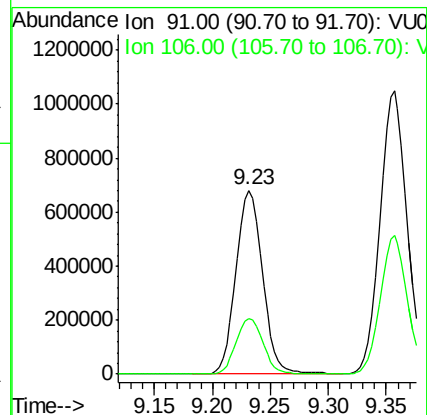
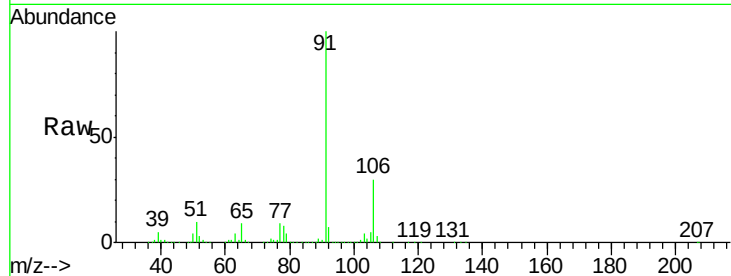
106 30.4 25.4 38.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 110.894 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033996.D

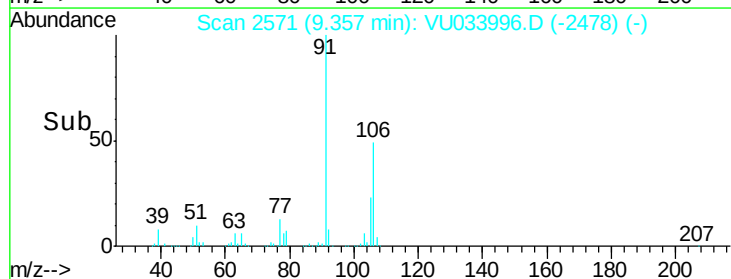
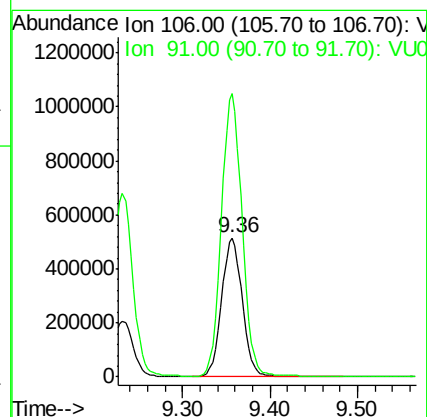
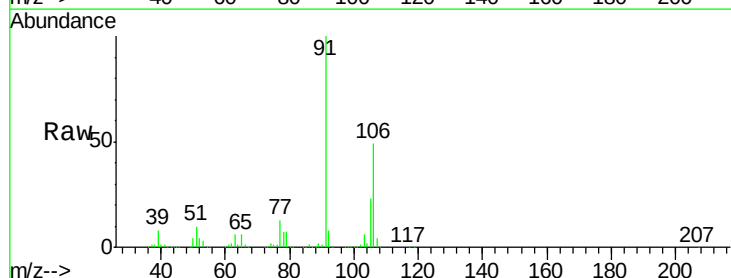
Acq: 28 Aug 2019 01:28

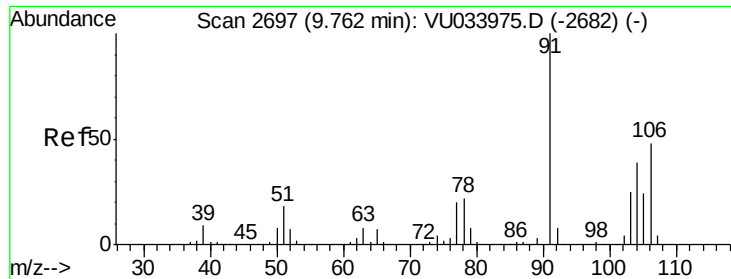
Tgt Ion: 106 Resp: 846667

Ion Ratio Lower Upper

106 100

91 203.9 158.4 237.6





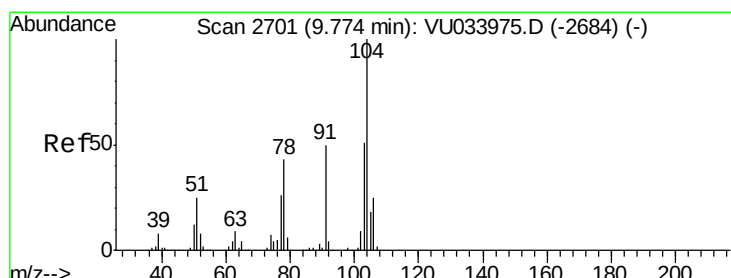
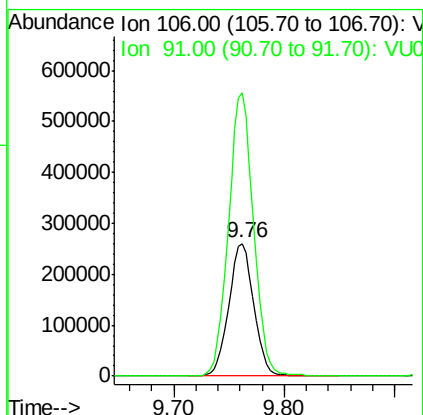
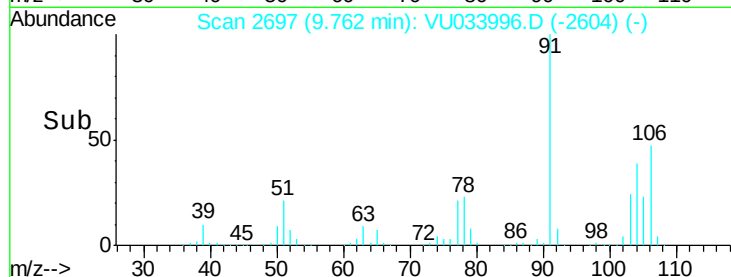
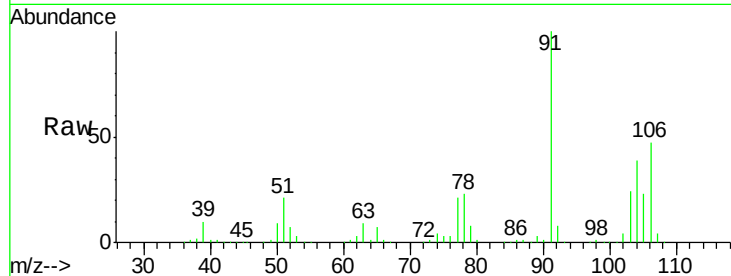
#69
o-Xylene
Concen: 55.986 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 408662
Ion Ratio Lower Upper
106 100
91 213.9 104.5 313.3

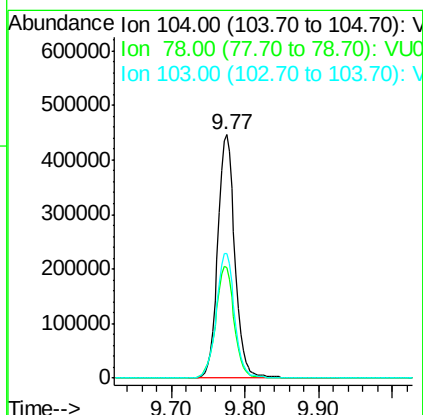
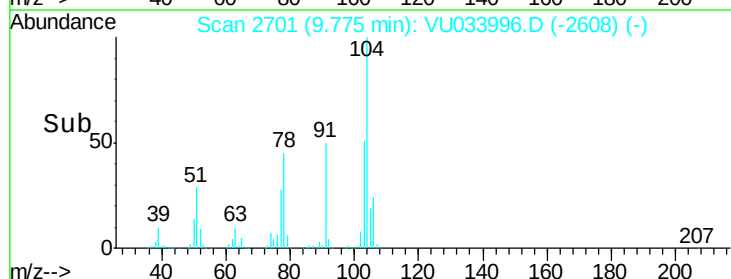
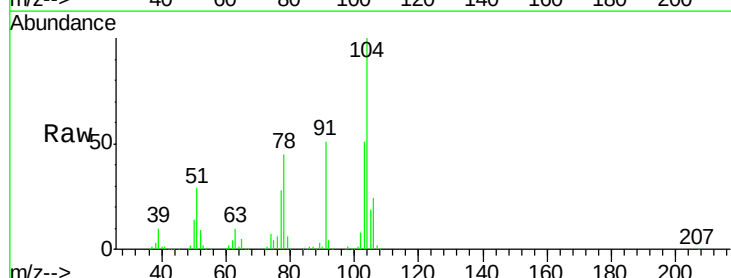
Manual Integrations
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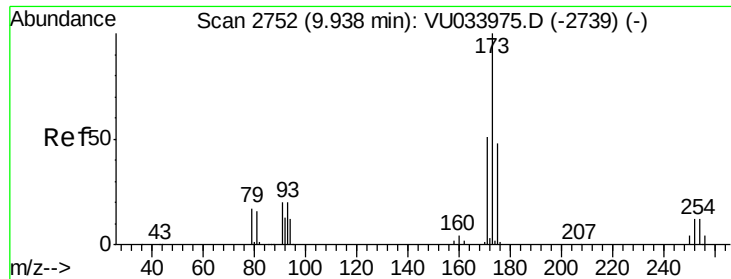
MMDadoda
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#70
Styrene
Concen: 57.360 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Tgt Ion:104 Resp: 716593
Ion Ratio Lower Upper
104 100
78 49.6 37.5 56.3
103 54.9 43.9 65.9





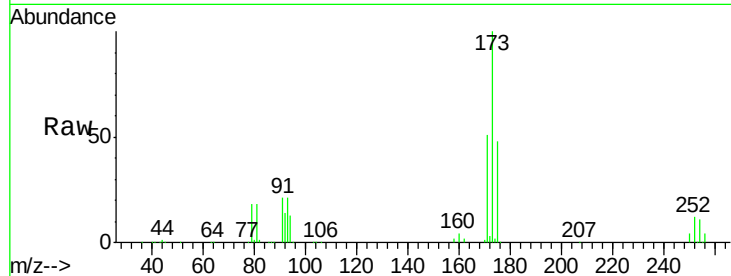
#71
Bromoform
Concen: 47.784 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	47.5	24.3	72.9		
254	0.1	0.1	0.1		

Manual Integrations
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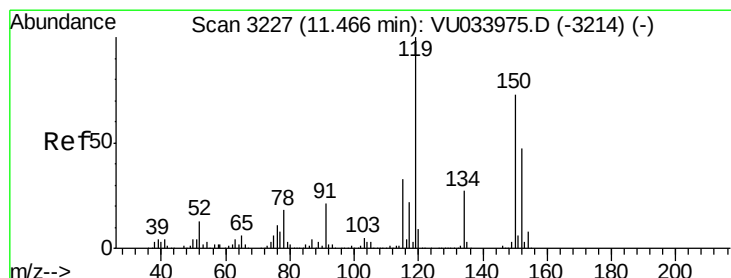
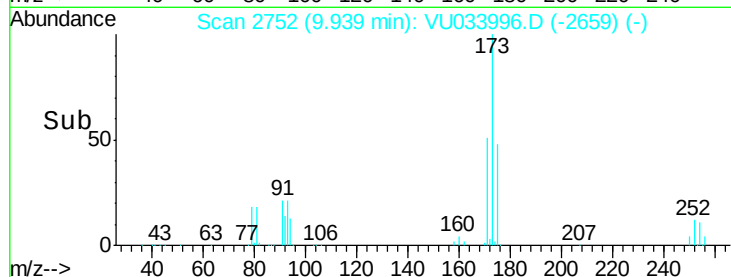
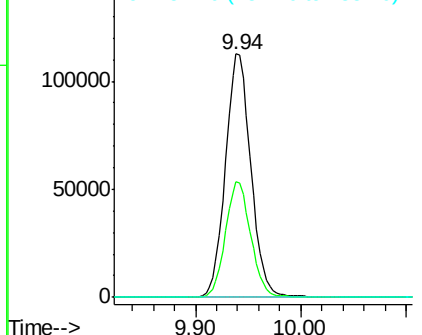


Abundance

Ion 172.70 (172.40 to 173.40): V

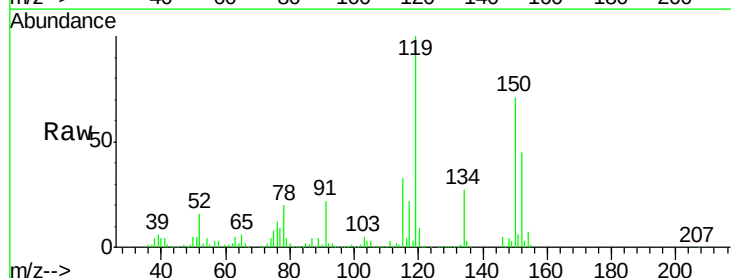
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	80.0	38.6	115.7		
150	171.6	0.0	343.8		

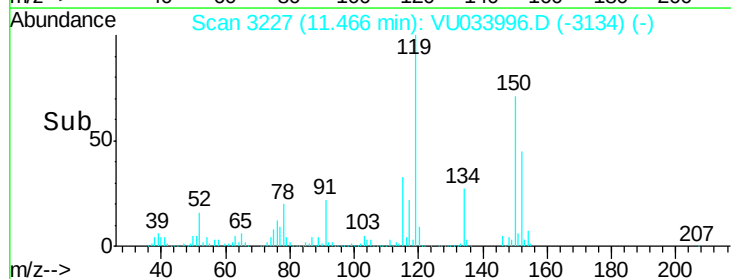
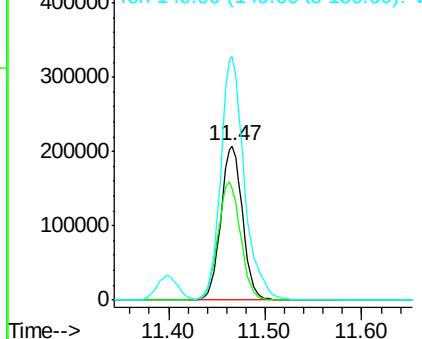


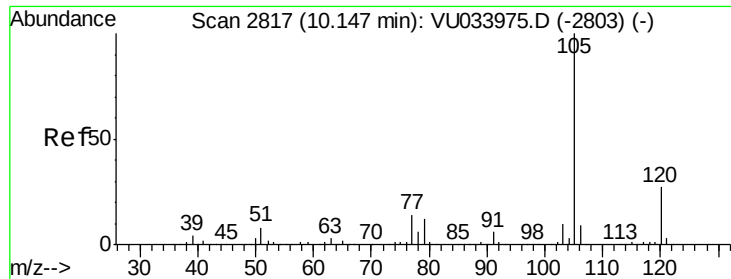
Abundance

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: 53.342 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1099360

Ion Ratio Lower Upper

105 100

120 26.0

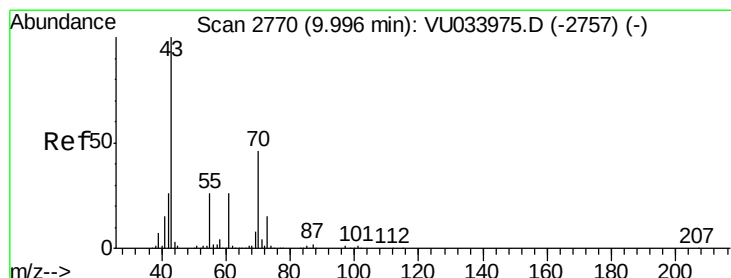
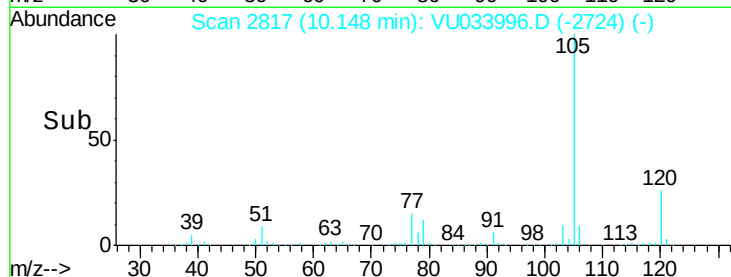
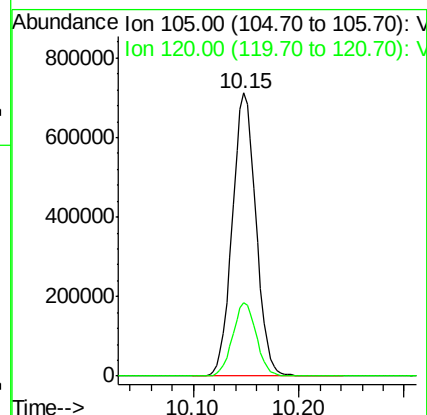
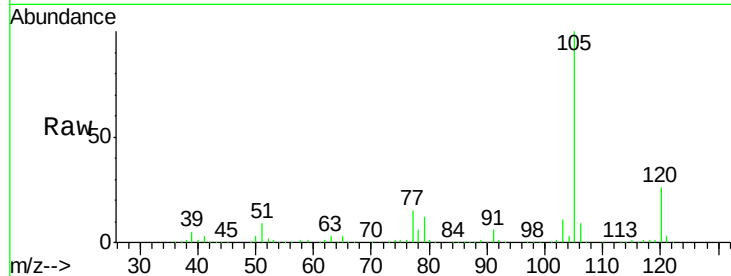
13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 66.282 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Tgt Ion: 43 Resp: 512776

Ion Ratio Lower Upper

43 100

70 42.6

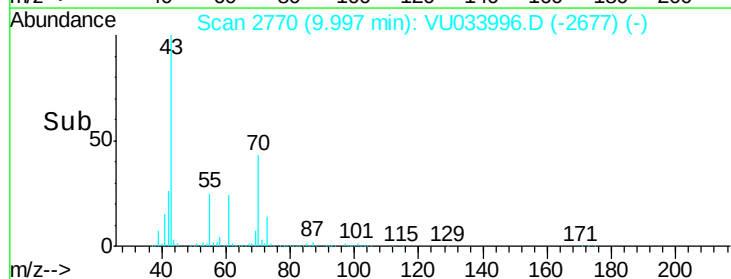
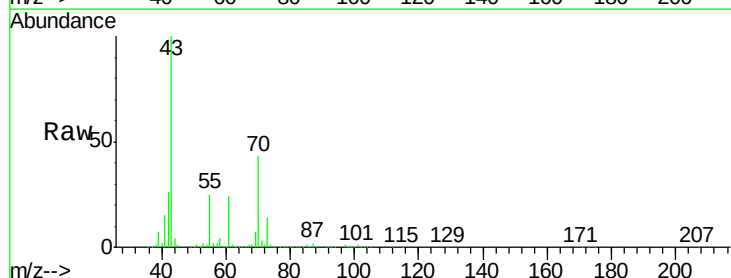
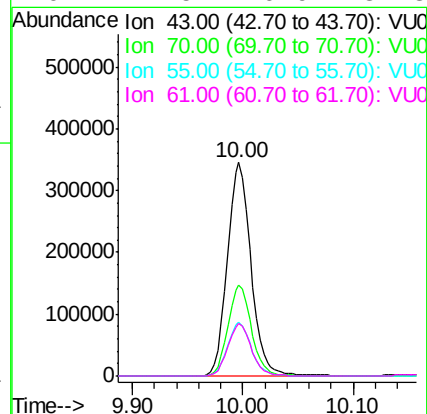
55 25.3

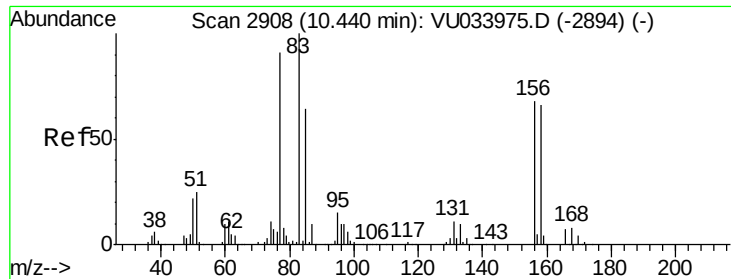
61 24.5

37.4 56.0

21.0 31.4

20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 43.523 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

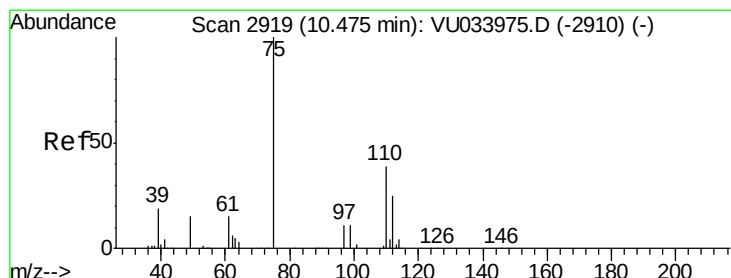
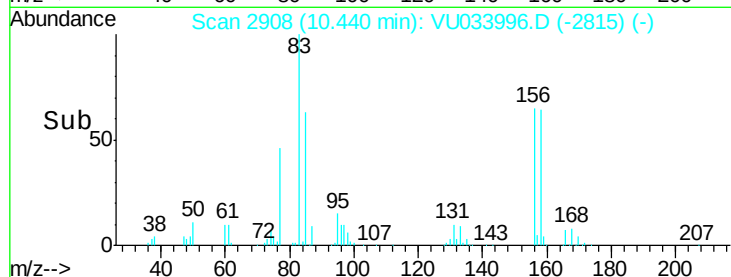
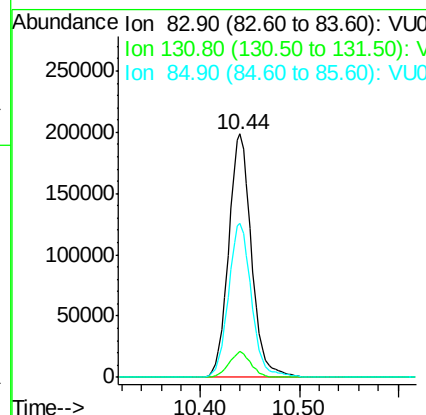
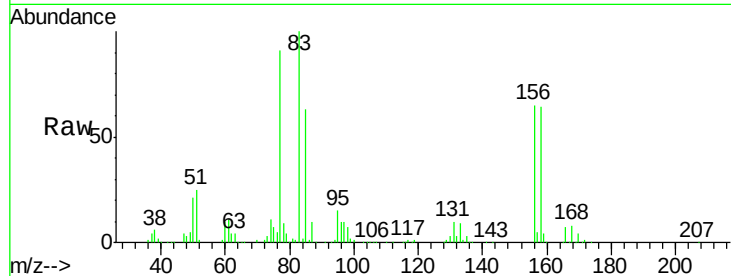
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	323070
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.3	16.1
85	64.2	32.0	96.0

Manual Integrations
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8/28/2019 9:58:17 AM



#76

1,2,3-Trichloropropane

Concen: 42.625 ug/l m

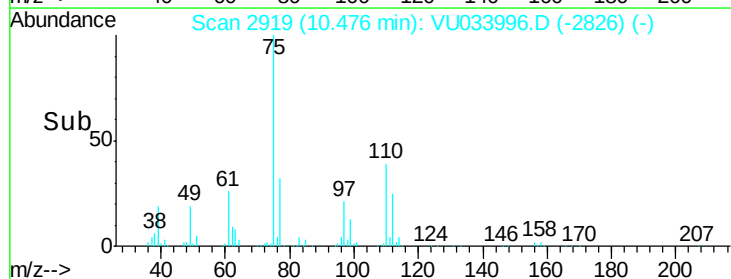
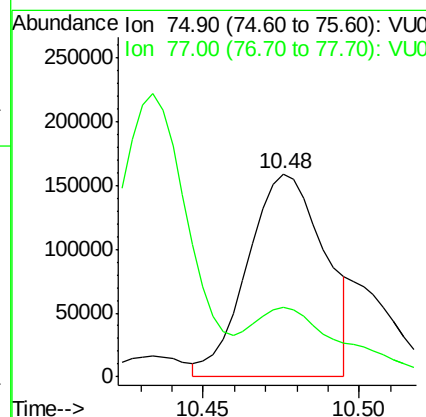
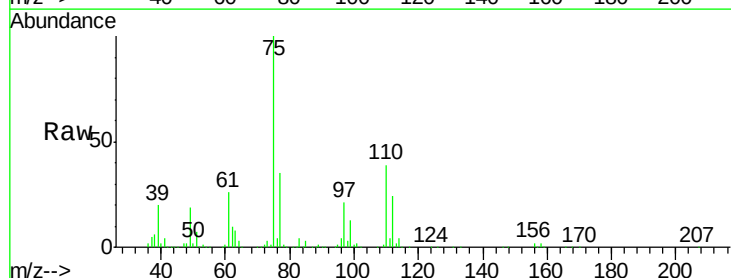
RT: 10.48 min Scan# 2919

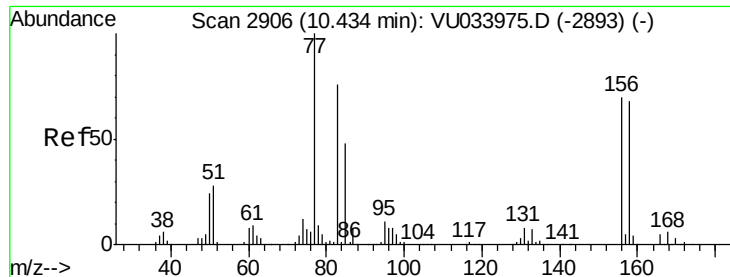
Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Tgt Ion:	75	Resp:	271966
Ion	Ratio	Lower	Upper
75	100		
77	41.7	21.0	63.0





#77

Bromobenzene

Concen: 42.438 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

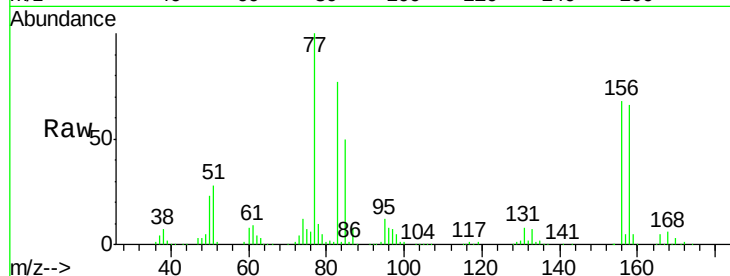
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	247160
Ion Ratio	Lower	Upper	
156	100		
77	144.0	70.3	211.1
158	96.6	48.3	144.8

Manual Integrations
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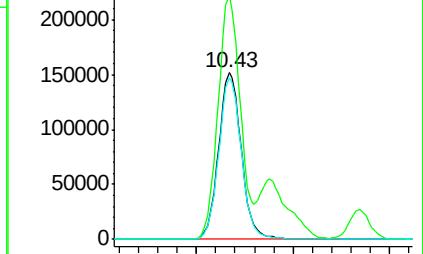
MMDadoda
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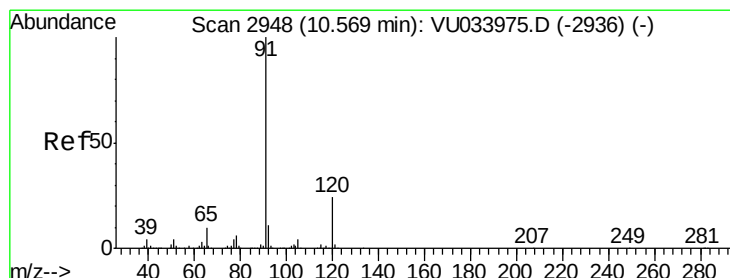
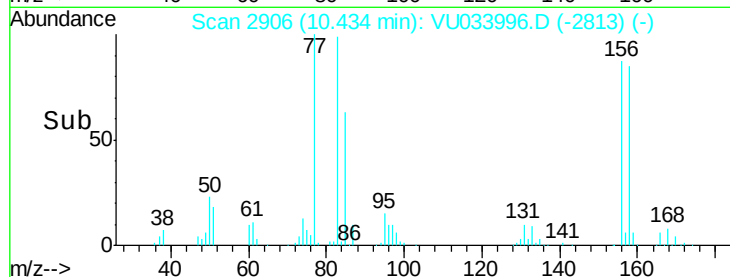
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 45.035 ug/l

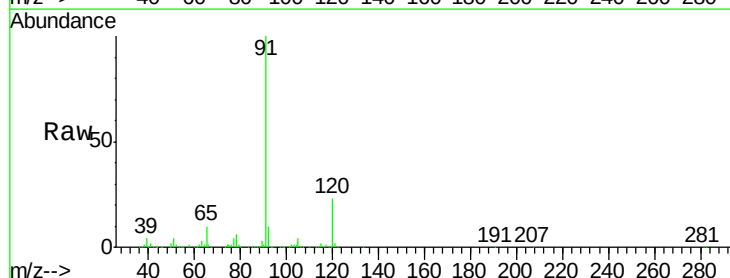
RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU033996.D

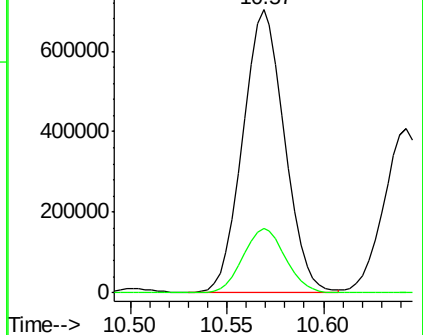
Acq: 28 Aug 2019 01:28

Tgt Ion:	91	Resp:	1052574
Ion Ratio	Lower	Upper	
91	100		
120	23.3	12.0	36.0

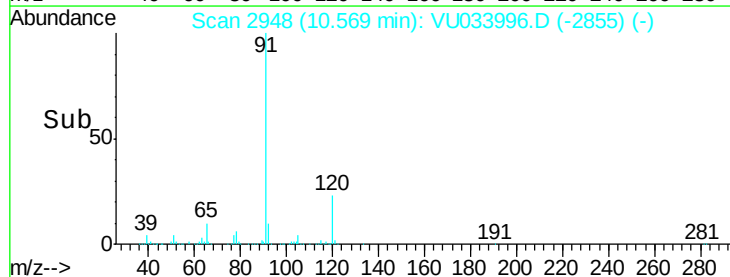


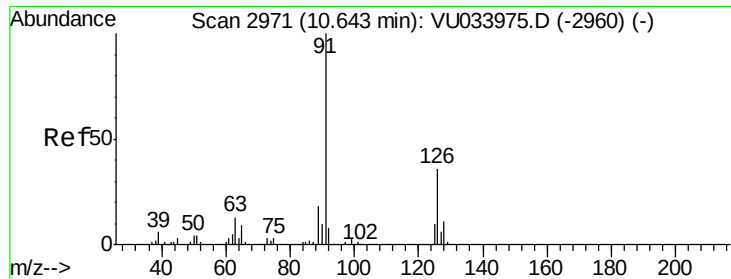
Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 44.793 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 631721

Ion Ratio Lower Upper

91 100

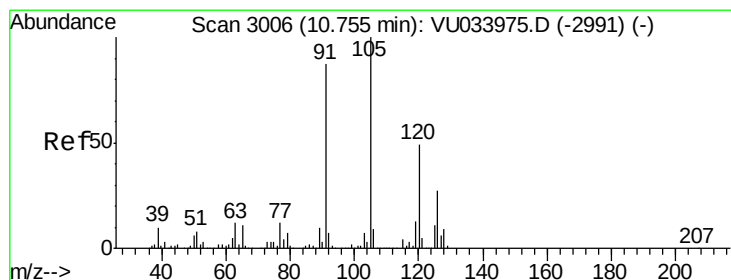
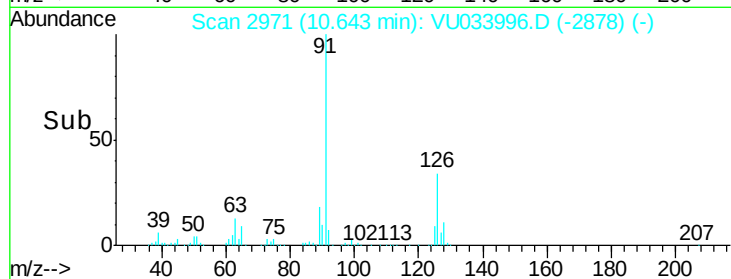
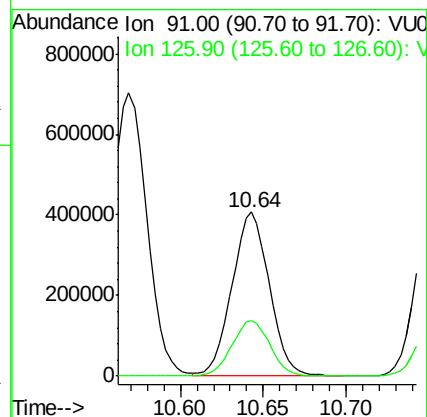
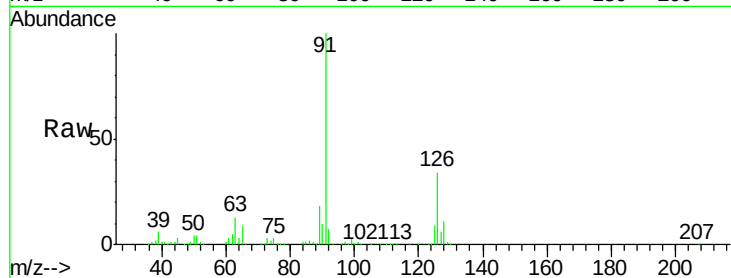
126 34.7 17.8 53.5

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#80

1,3,5-Trimethylbenzene

Concen: 46.723 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033996.D

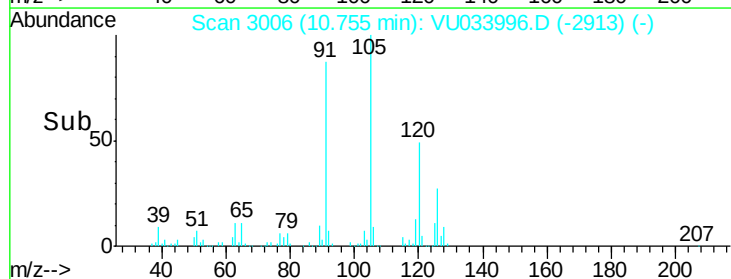
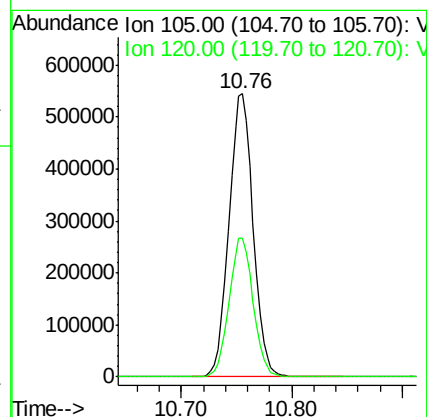
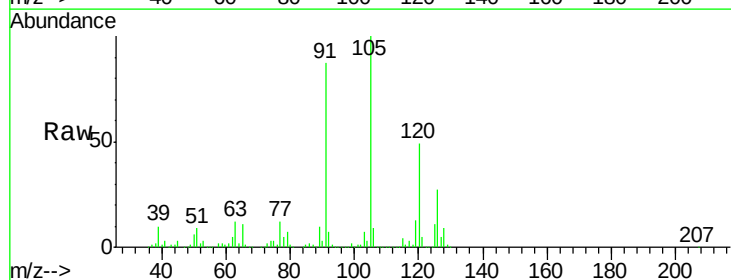
Acq: 28 Aug 2019 01:28

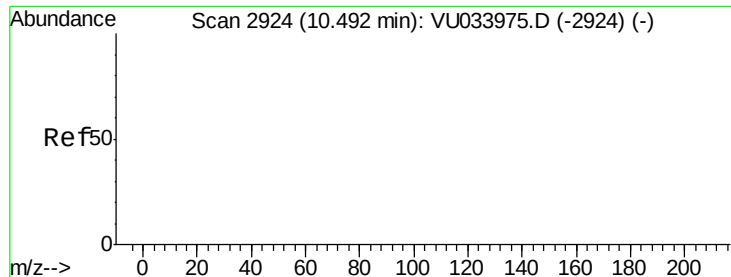
Tgt Ion: 105 Resp: 824717

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.6





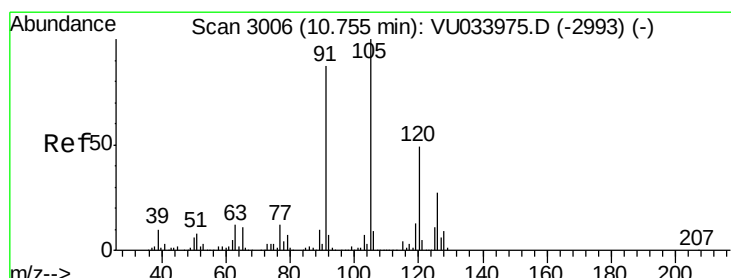
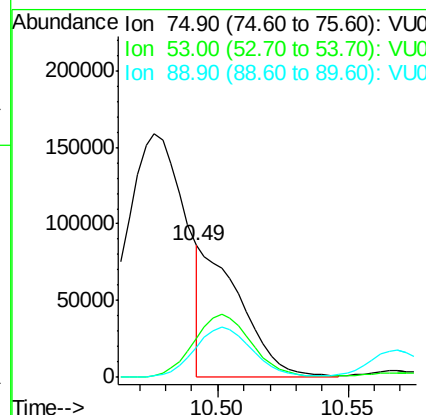
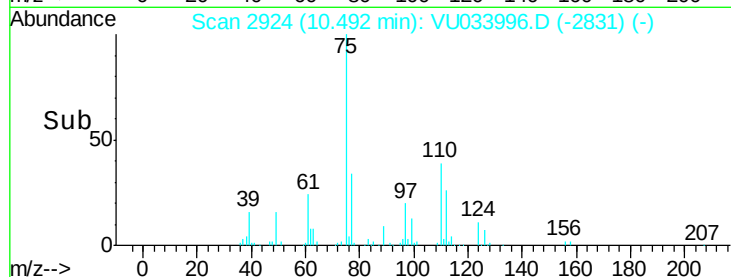
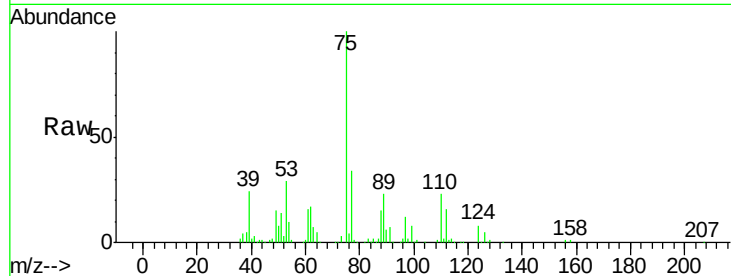
#81
trans-1,4-Dichloro-2-butene
Concen: 41.637 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

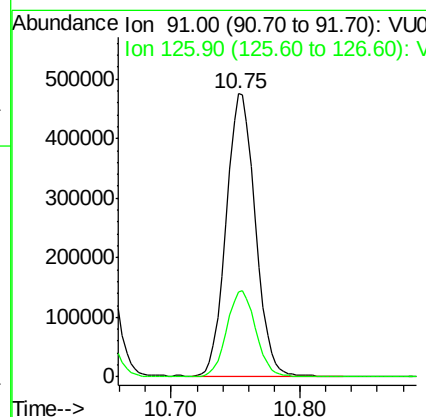
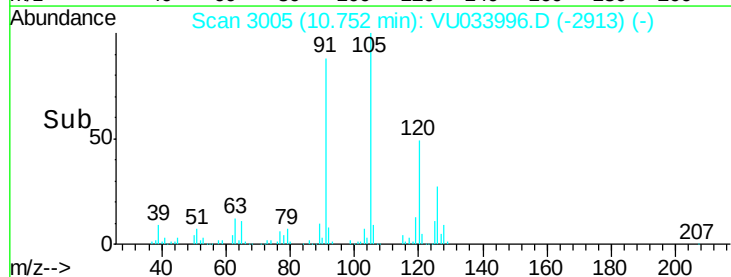
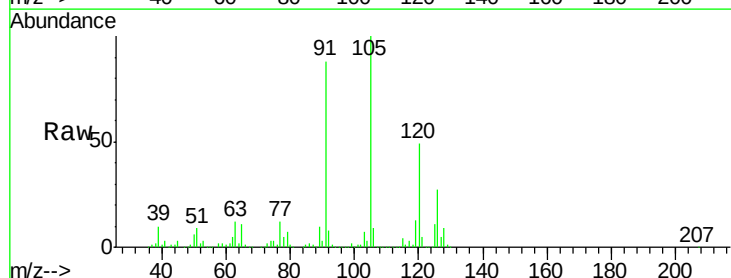
Manual Integrations
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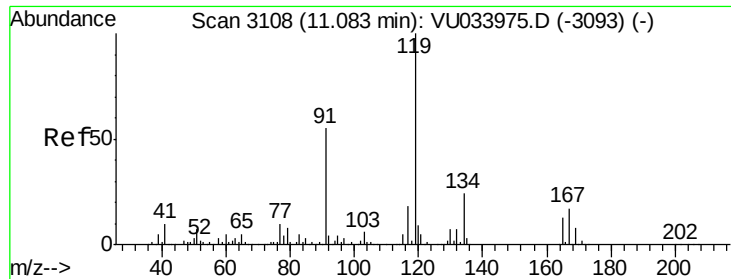
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#82
4-Chlorotoluene
Concen: 45.404 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU033996.D
Acq: 28 Aug 2019 01:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.4	46.4





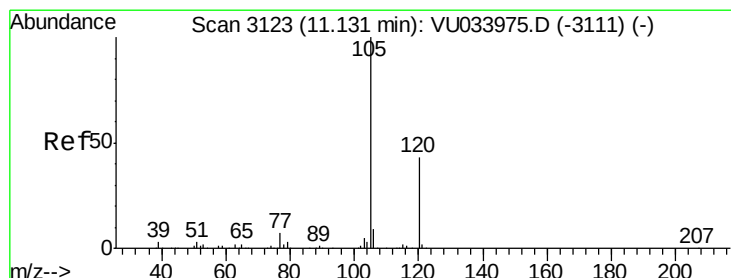
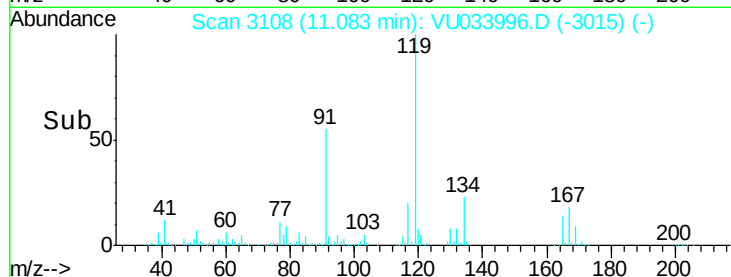
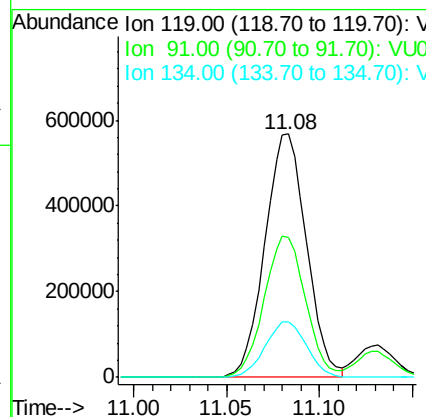
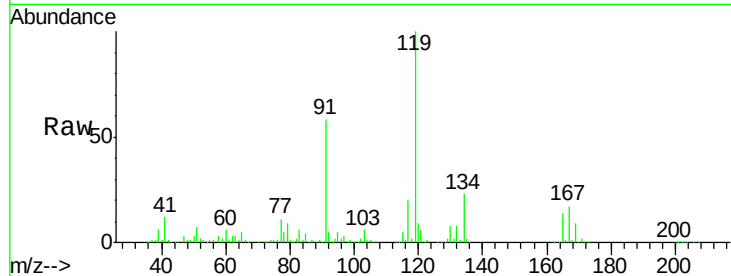
#83
 tert-Butylbenzene
 Concen: 51.579 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.2	27.6	82.8
134	22.9	11.6	34.7

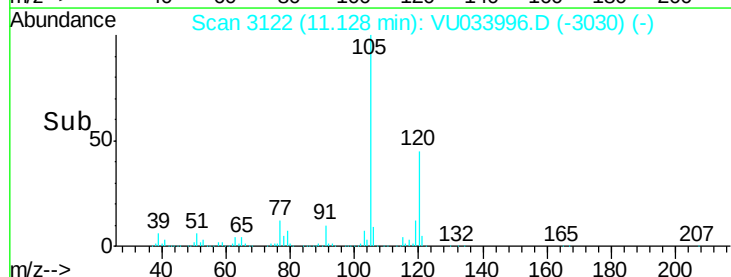
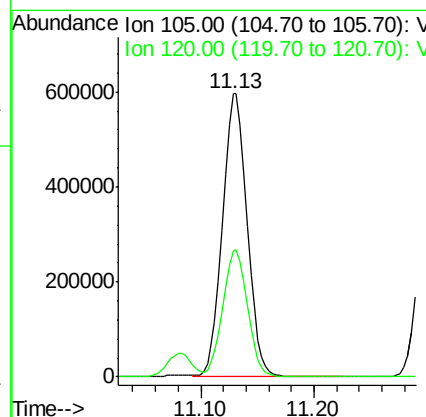
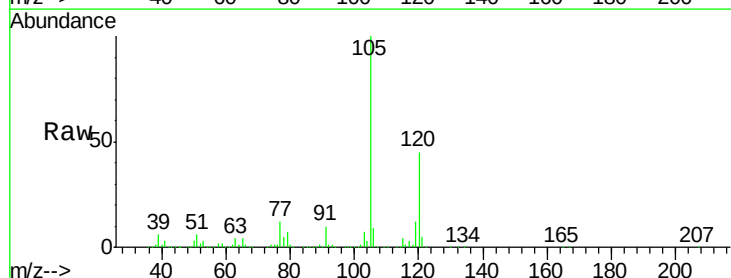
Manual Integrations
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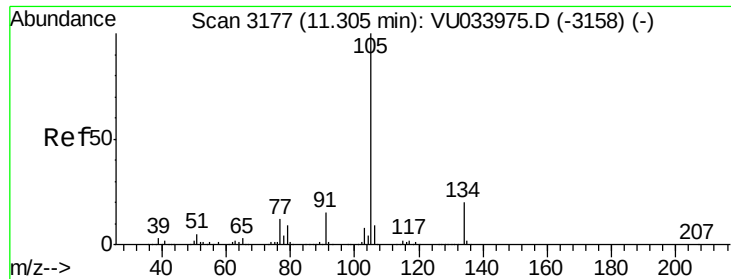
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.007 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	23.3	69.9





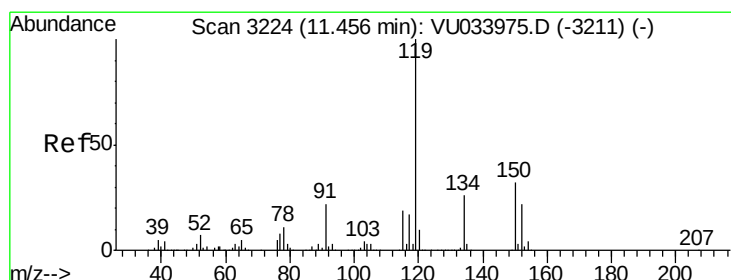
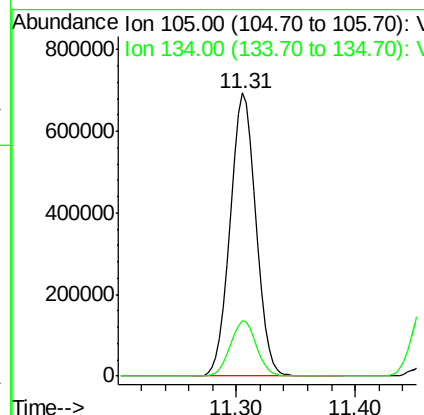
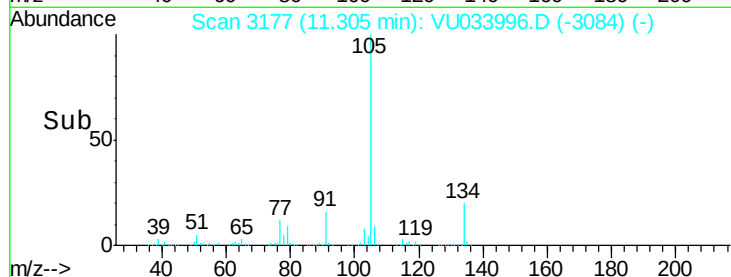
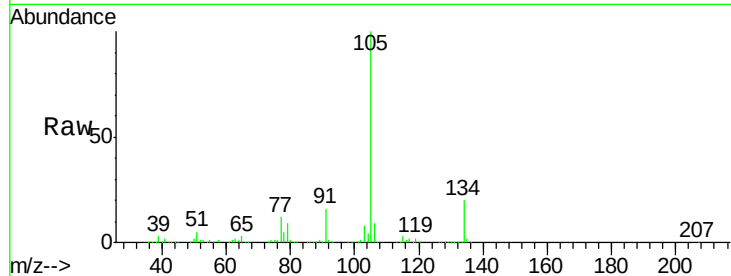
#85
 sec-Butylbenzene
 Concen: 50.661 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1035999
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.2 30.6

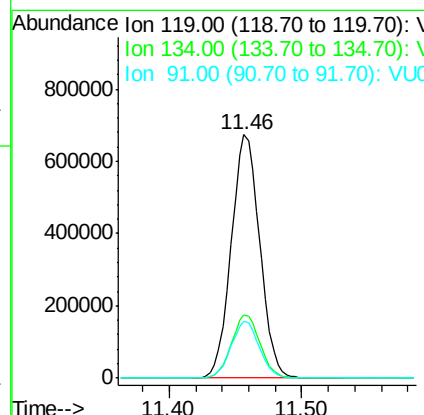
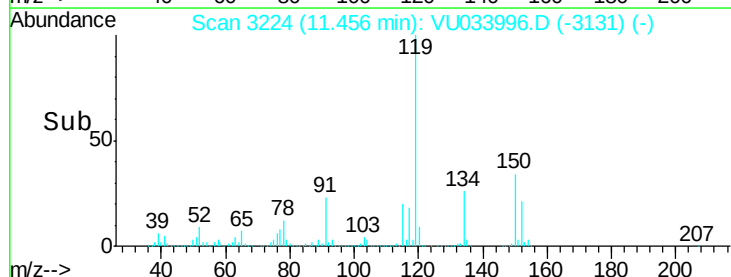
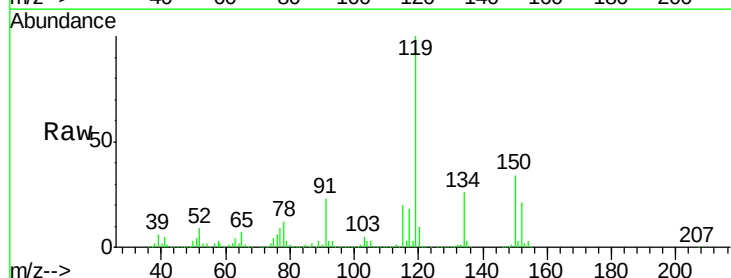
Manual Integrations
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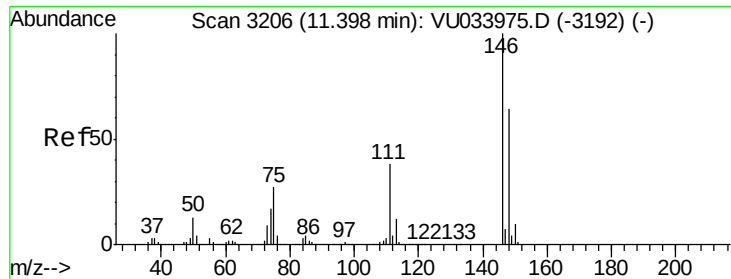
MMDadoda
 8/28/2019 9:58:17 AM



#86
 p-Isopropyltoluene
 Concen: 52.436 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Tgt Ion:119 Resp: 1003682
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 38.9
 91 23.1 10.9 32.9





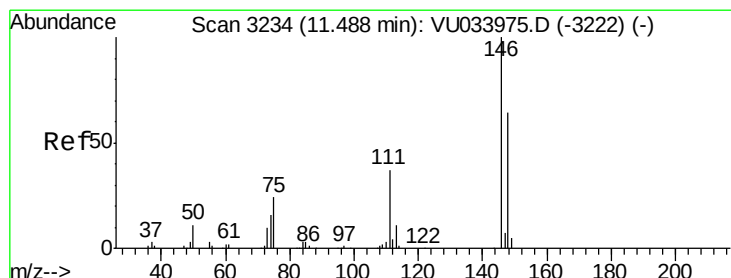
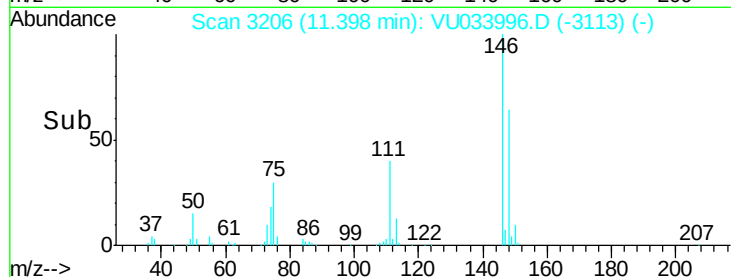
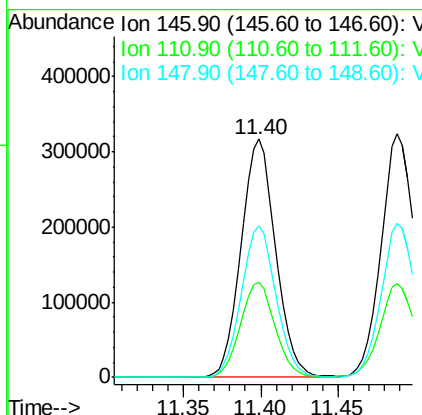
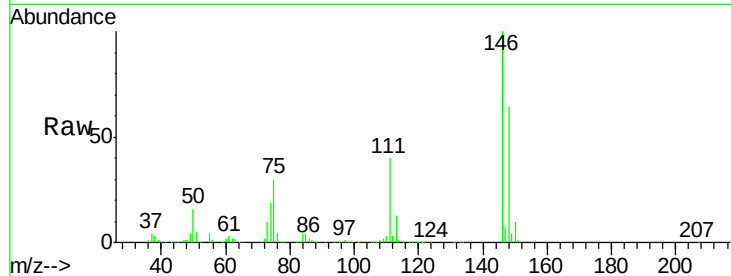
#87
 1,3-Dichlorobenzene
 Concen: 47.704 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.8	56.4
148	63.8	31.9	95.7

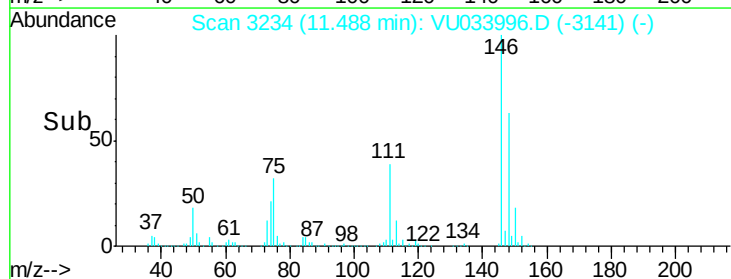
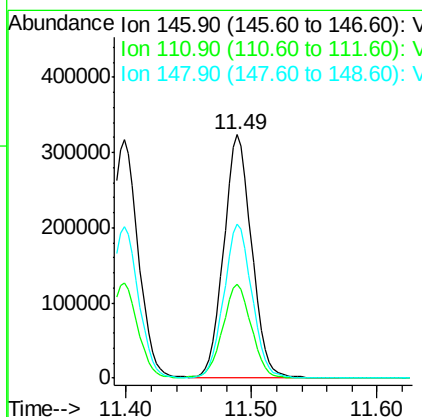
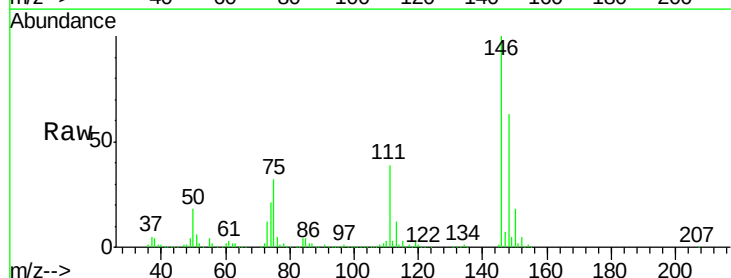
Manual Integrations
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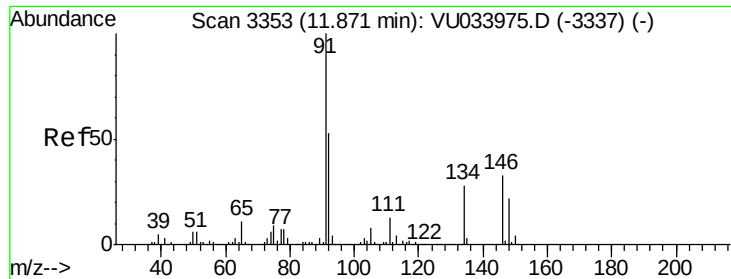
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#88
 1,4-Dichlorobenzene
 Concen: 47.944 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.8	56.4
148	63.8	31.9	95.7





#89

n-Butylbenzene

Concen: 55.647 ug/l

RT: 11.87 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

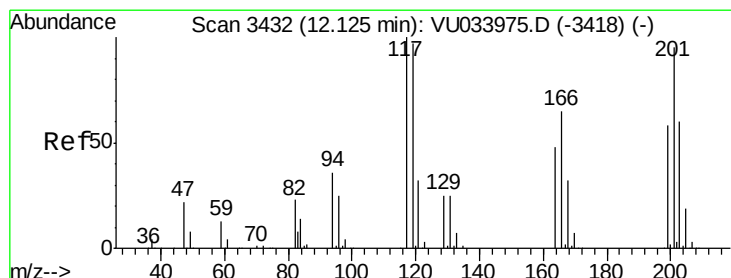
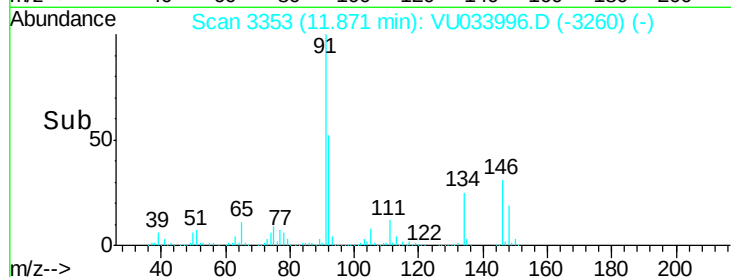
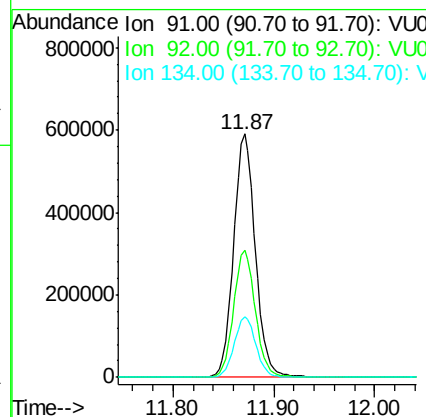
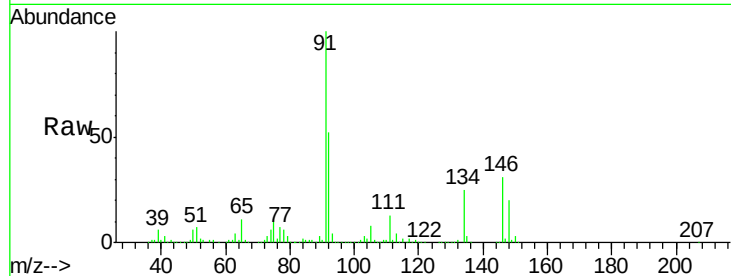
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	890198
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.7	80.0
134	25.0	13.6	40.8

Manual Integrations
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#90

Hexachloroethane

Concen: 53.510 ug/l

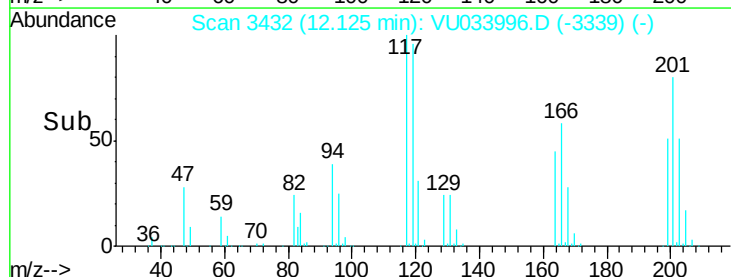
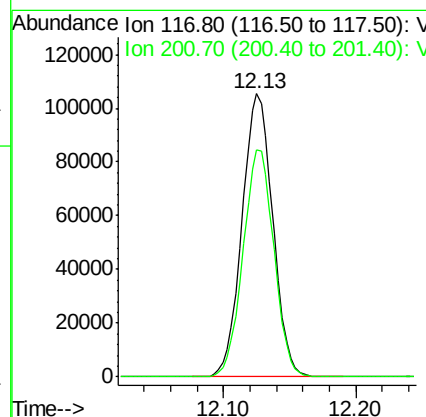
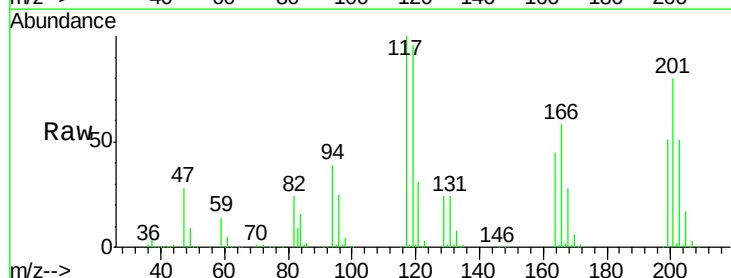
RT: 12.13 min Scan# 3432

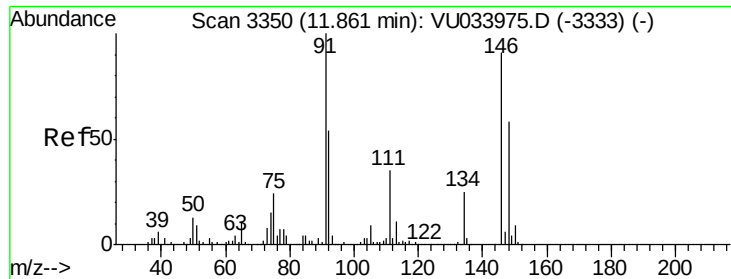
Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Tgt Ion:	117	Resp:	169408
Ion	Ratio	Lower	Upper
117	100		
201	80.5	47.5	142.5





#91

1,2-Dichlorobenzene

Concen: 48.632 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

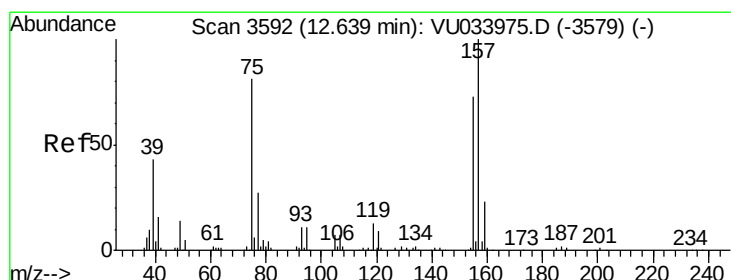
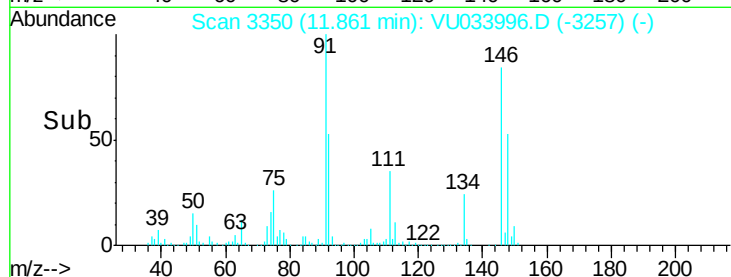
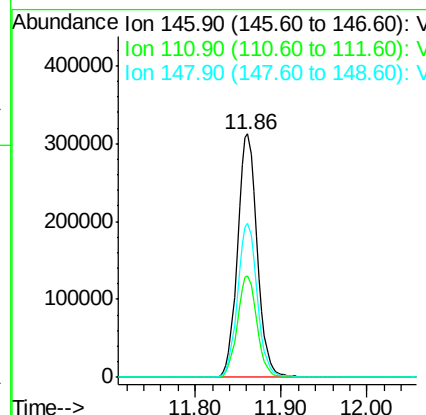
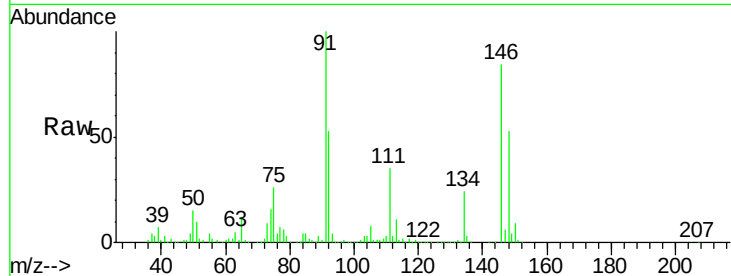
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	494592
Ion Ratio	Lower	Upper	
146	100		
111	41.6	19.8	59.3
148	63.3	32.0	96.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 58.532 ug/l

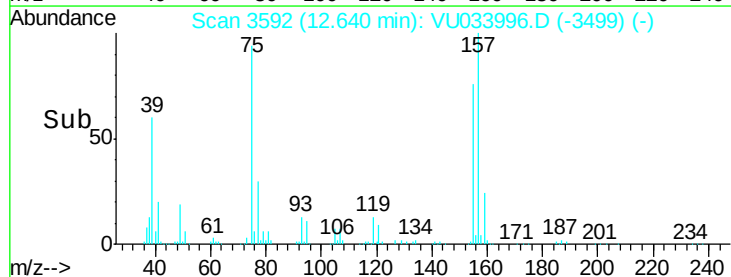
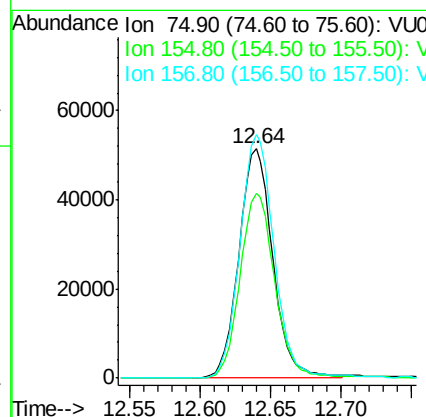
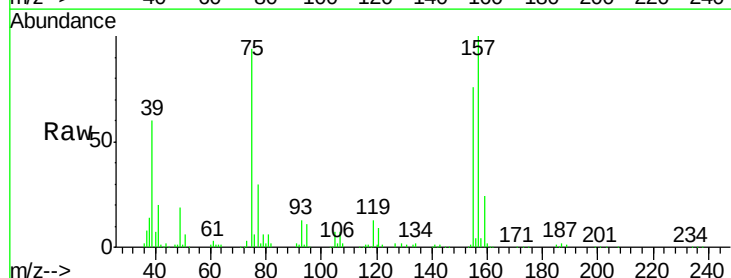
RT: 12.64 min Scan# 3592

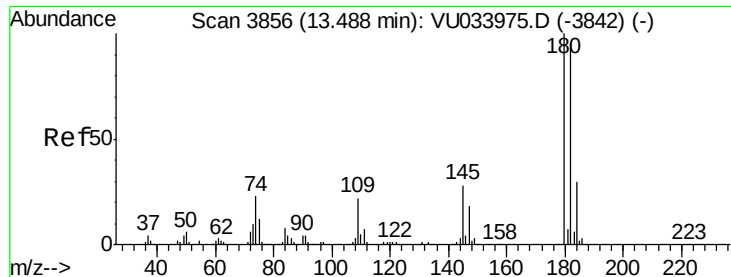
Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Tgt Ion:	75	Resp:	87029
Ion Ratio	Lower	Upper	
75	100		
155	82.0	46.9	140.6
157	107.2	61.2	183.6





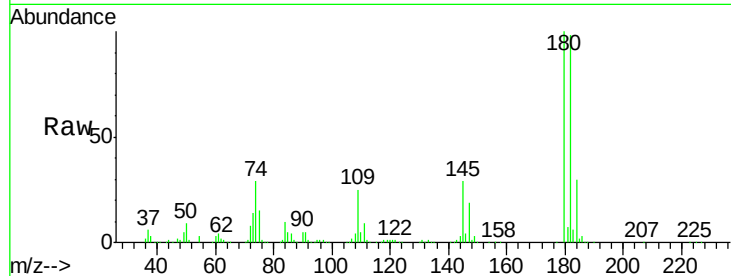
#93
 1,2,4-Trichlorobenzene
 Concen: 44.772 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

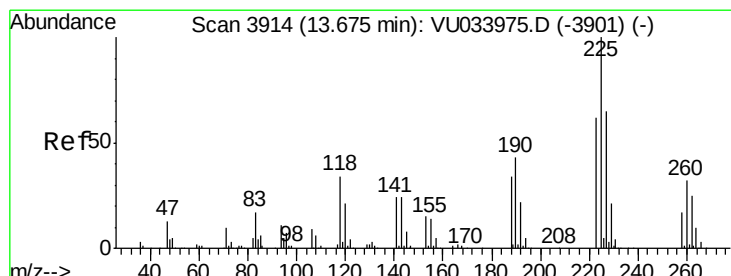
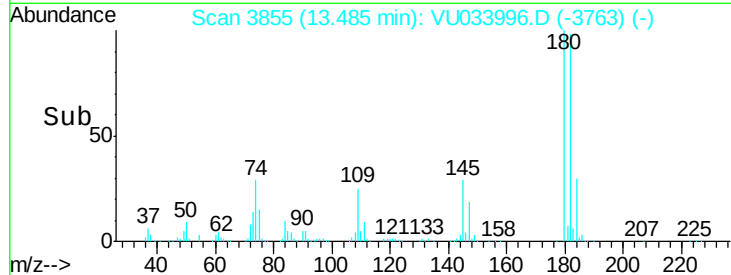
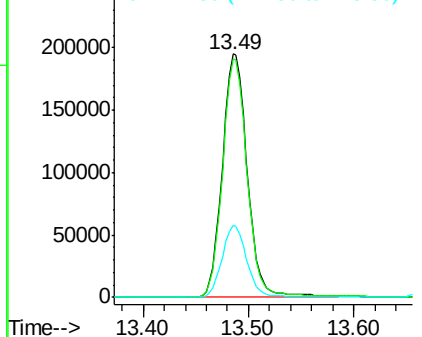
Tot Ion	Ratio	Resp	Lower	Upper
180	100	318900		
182	96.7	47.4	142.2	
145	29.3	14.4	43.2	

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:58:17 AM

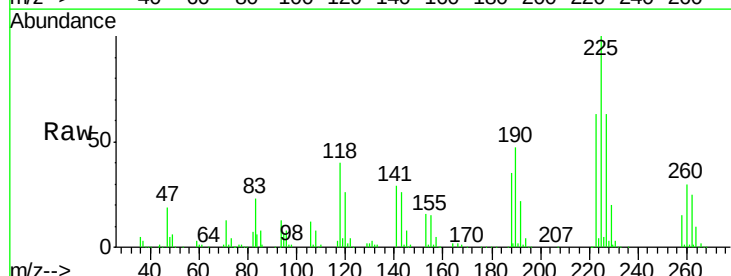


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

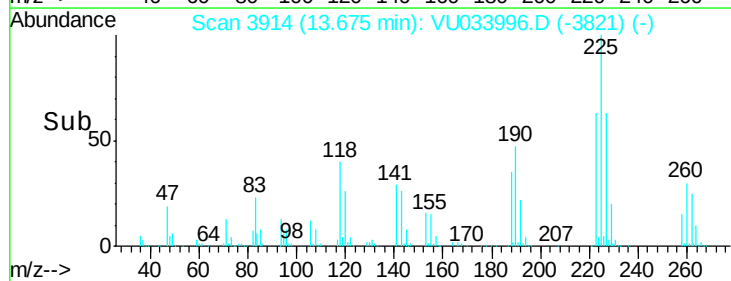
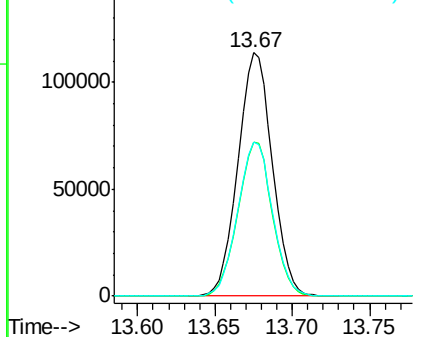


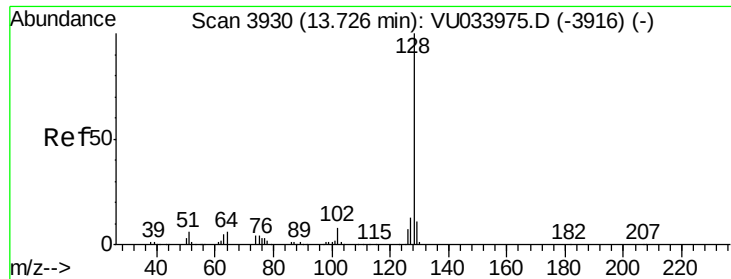
#94
 Hexachlorobutadiene
 Concen: 42.223 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU033996.D
 Acq: 28 Aug 2019 01:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	176044		
223	63.3	31.7	95.1	
227	64.0	33.0	99.0	



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





#95

Naphthalene

Concen: 48.301 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Instrument :

MSVOA_U

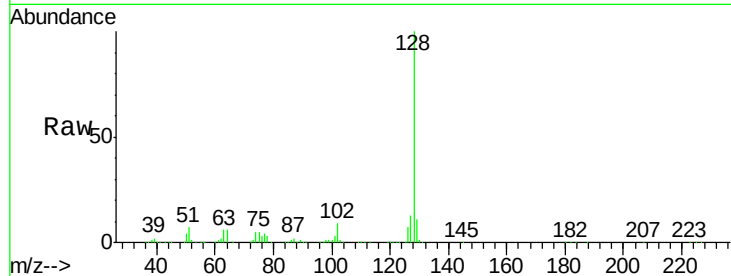
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	953311
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.7	8.5	12.7

Manual Integrations
APPROVED

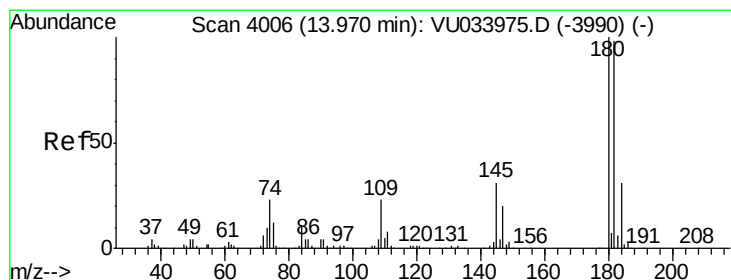
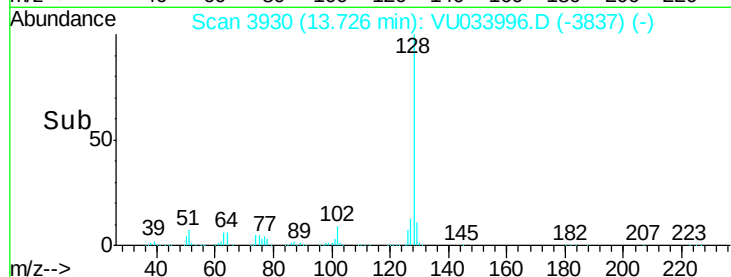
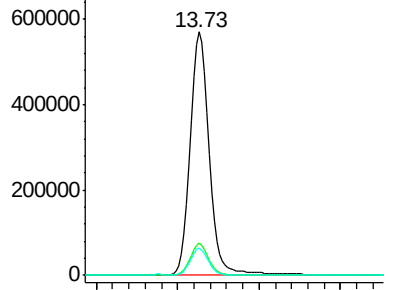
MMDadoda
8/28/2019 9:58:17 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.757 ug/l

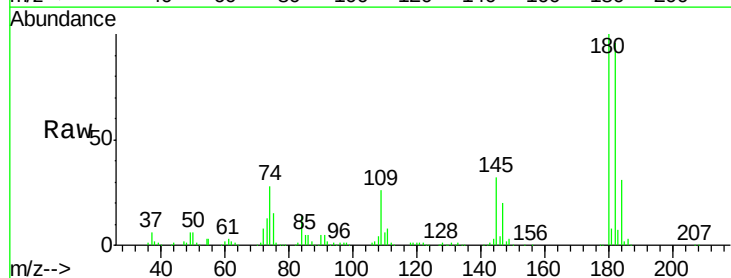
RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU033996.D

Acq: 28 Aug 2019 01:28

Tgt Ion:	180	Resp:	323353
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.4	145.3
145	31.3	15.1	45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

