

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033978.D
 Acq On : 27 Aug 2019 17:06
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082819

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:58:01 AM

Quant Time: Aug 28 04:14:43 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	356775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	528241	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	509425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	273508	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	199686	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	4.86	113	178239	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	7.55	98	688020	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	10.29	95	262134	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	177972	49.595	ug/l	97
3) Chloromethane	1.32	50	214474	55.092	ug/l	99
4) Vinyl Chloride	1.40	62	177331	49.499	ug/l	99
5) Bromomethane	1.60	94	115648	53.113	ug/l	98
6) Chloroethane	1.68	64	100548	47.139	ug/l	99
7) Trichlorofluoromethane	1.87	101	231796	49.174	ug/l	99
8) Diethyl Ether	2.09	74	89278	49.931	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	148674	49.386	ug/l	99
10) Methyl Iodide	2.39	142	222369	49.324	ug/l	99
11) Tert butyl alcohol	2.82	59	240489	234.250	ug/l #	85
12) 1,1-Dichloroethene	2.27	96	153528	48.860	ug/l	98
13) Acrolein	2.18	56	82386	252.692	ug/l	99
14) Allyl chloride	2.58	41	279228m	50.189	ug/l	
15) Acrylonitrile	2.92	53	536747	258.624	ug/l	99
16) Acetone	2.31	43	426150	224.617	ug/l	99
17) Carbon Disulfide	2.46	76	505918	49.031	ug/l	100
18) Methyl Acetate	2.60	43	237992	50.930	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	547781	51.895	ug/l	100
20) Methylene Chloride	2.68	84	189924	47.184	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	176779	49.344	ug/l	98
22) Diisopropyl ether	3.55	45	522156	51.081	ug/l	96
23) Vinyl Acetate	3.50	43	2305572	265.488	ug/l	100
24) 1,1-Dichloroethane	3.42	63	317229	49.567	ug/l	99
25) 2-Butanone	4.23	43	703183	258.562	ug/l	99
26) 2,2-Dichloropropane	4.20	77	261024	48.235	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	204163	50.908	ug/l	97
28) Bromochloromethane	4.52	49	136927	46.501	ug/l	99
29) Tetrahydrofuran	4.61	42	443020	260.442	ug/l	99
30) Chloroform	4.65	83	312867	47.741	ug/l	98
31) Cyclohexane	4.97	56	287029	49.113	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	275366	49.911	ug/l	99
36) 1,1-Dichloropropene	5.11	75	237263	49.040	ug/l	99
37) Ethyl Acetate	4.36	43	252907	52.116	ug/l	99
38) Carbon Tetrachloride	5.11	117	247678	50.232	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	292317	51.060	ug/l	98
40) Benzene	5.37	78	725436	50.430	ug/l	99
41) Methacrylonitrile	4.52	41	136595	54.321	ug/l	99
42) 1,2-Dichloroethane	5.38	62	239733	49.283	ug/l	100
43) Isopropyl Acetate	5.53	43	393332	52.863	ug/l	100
44) Trichloroethene	6.16	130	204603	49.884	ug/l	100
45) 1,2-Dichloropropane	6.41	63	193869	50.375	ug/l	97
46) Dibromomethane	6.54	93	131119	50.097	ug/l	99
47) Bromodichloromethane	6.74	83	252597	50.671	ug/l	99
48) Methyl methacrylate	6.60	41	194371	54.943	ug/l	98
49) 1,4-Dioxane	6.59	88	103810	1069.228	ug/l #	96
51) 4-Methyl-2-Pentanone	7.44	43	1340860	261.368	ug/l	99
52) Toluene	7.62	92	471597	51.992	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	287447	52.143	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	310383	52.085	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	193060	50.372	ug/l	99
56) Ethyl methacrylate	8.00	69	300041	49.675	ug/l	99
57) 1,3-Dichloropropane	8.22	76	320928	51.380	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	540977	241.361	ug/l	99
59) 2-Hexanone	8.34	43	1040252	263.806	ug/l	99
60) Dibromochloromethane	8.46	129	218108	50.605	ug/l	100
61) 1,2-Dibromoethane	8.57	107	207355	51.227	ug/l	99
64) Tetrachloroethene	8.21	164	197562	48.233	ug/l	97
65) Chlorobenzene	9.10	112	528903	50.421	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	194253	49.668	ug/l	100
67) Ethyl Benzene	9.23	91	906262	51.815	ug/l	100
68) m/p-Xylenes	9.36	106	709665	105.208	ug/l	100
69) o-Xylene	9.76	106	342794	53.156	ug/l	100
70) Styrene	9.77	104	597319	54.118	ug/l	100
71) Bromoform	9.94	173	178802	51.645	ug/l #	99
73) Isopropylbenzene	10.15	105	932000	52.946	ug/l	99
74) N-amyl acetate	10.00	43	367716	55.650	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	314832	49.658	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	275776m	50.605	ug/l	
77) Bromobenzene	10.43	156	250366	50.332	ug/l	98
78) n-propylbenzene	10.57	91	1064080	53.304	ug/l	99
79) 2-Chlorotoluene	10.64	91	628301	52.160	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	804326	53.351	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	98819m	51.937	ug/l	
82) 4-Chlorotoluene	10.75	91	725170	52.005	ug/l	100
83) tert-Butylbenzene	11.08	119	779957	53.296	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	799686	54.030	ug/l	99
85) sec-Butylbenzene	11.31	105	932830	53.407	ug/l	100
86) p-Isopropyltoluene	11.46	119	875454	53.550	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	444277	50.347	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	437771	49.154	ug/l	99
89) n-Butylbenzene	11.87	91	749581	54.860	ug/l	100
90) Hexachloroethane	12.13	117	140225	51.858	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	437226	50.335	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	69897	55.039	ug/l	99

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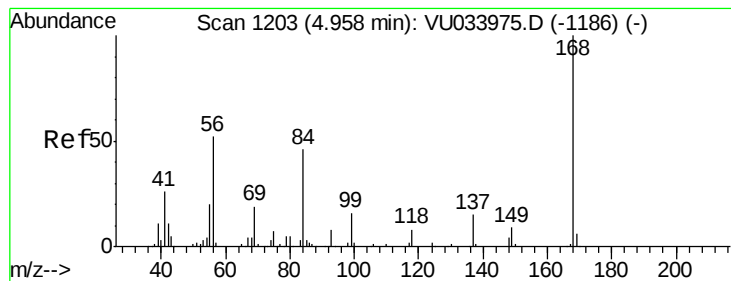
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	310606	50.812	ug/l	100
94) Hexachlorobutadiene	13.68	225	180815	50.775	ug/l	97
95) Naphthalene	13.73	128	905274	53.469	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	310472	55.935	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082819

Tot Ion:168 Resp: 356775

Ion Ratio Lower Upper

168 100

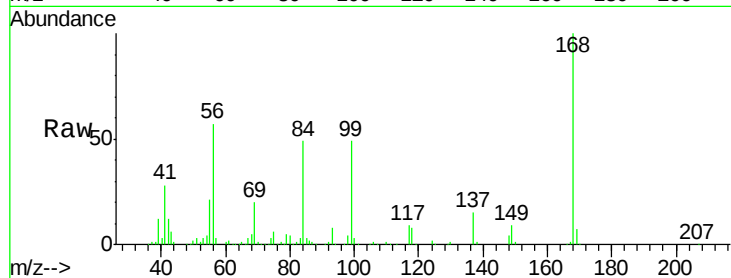
99 48.9 39.4 59.2

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Abundance Ion 167.90 (167.60 to 168.60): VU033975.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033975.D (-1186) (-)

4.96

150000

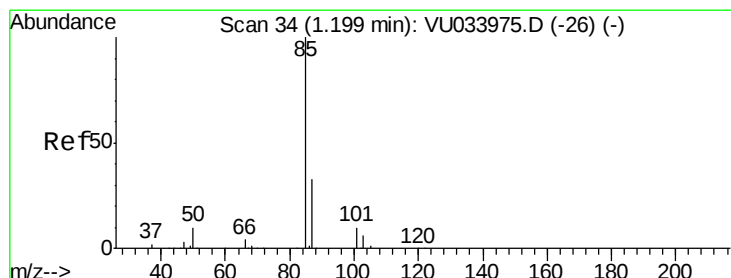
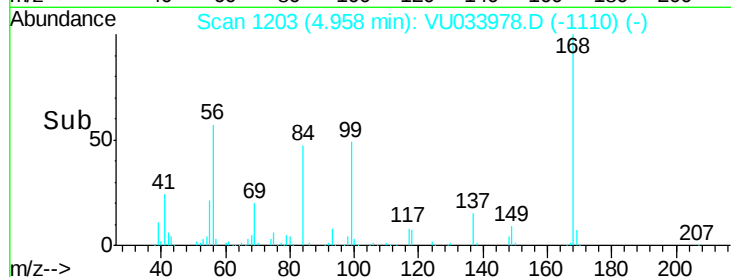
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50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.595 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033978.D

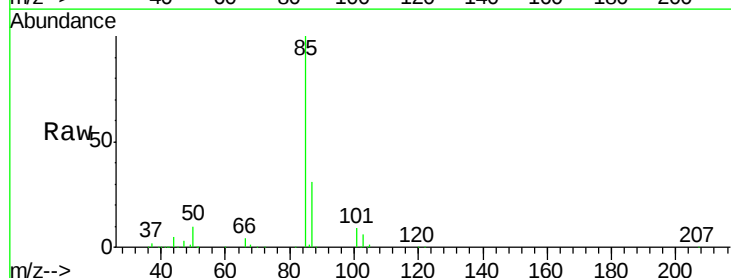
Acq: 27 Aug 2019 17:06

Tgt Ion: 85 Resp: 177972

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VU033975.D (-26) (-)

Ion 86.90 (86.60 to 87.60): VU033975.D (-26) (-)

1.20

200000

150000

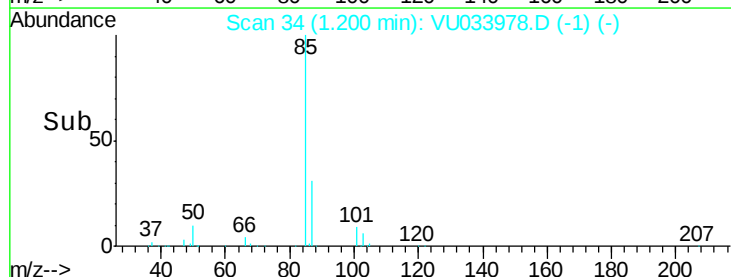
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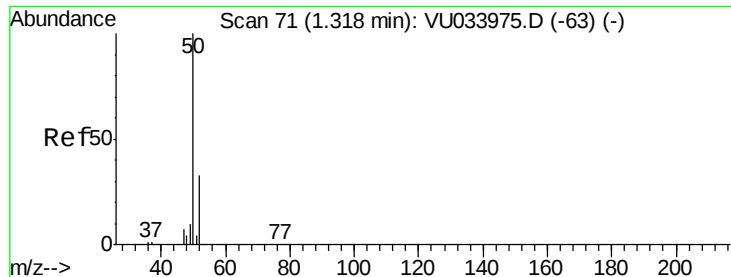
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 55.092 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082819

Tot Ion: 50 Resp: 214474

Ion Ratio Lower Upper

50 100

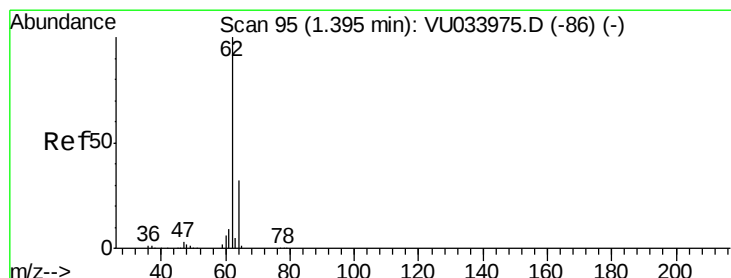
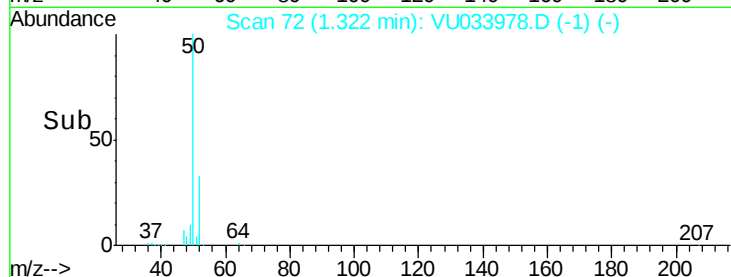
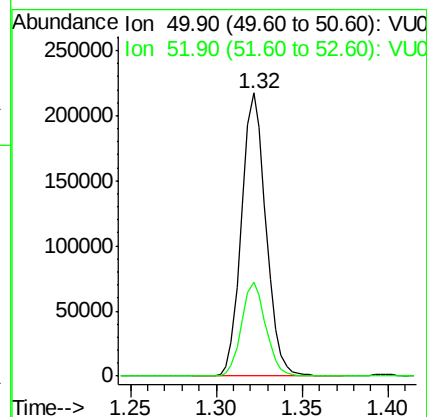
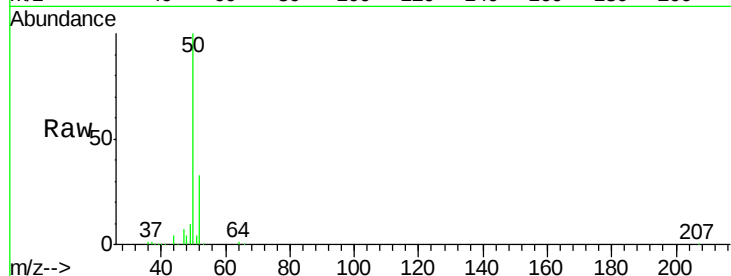
52 33.3 26.2 39.2

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#4

Vinyl Chloride

Concen: 49.499 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033978.D

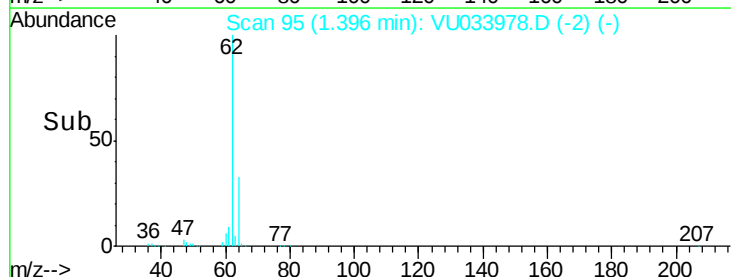
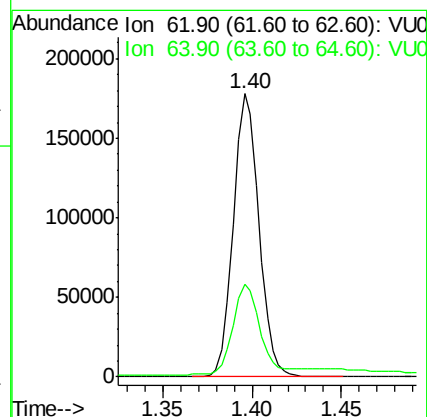
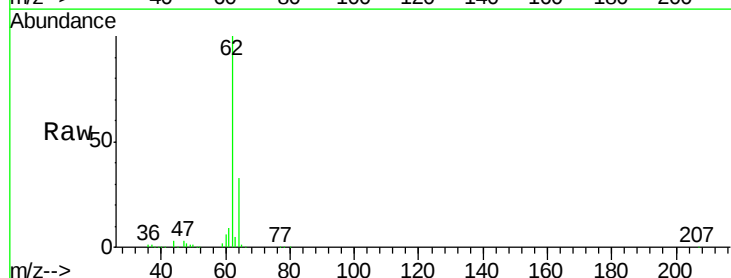
Acq: 27 Aug 2019 17:06

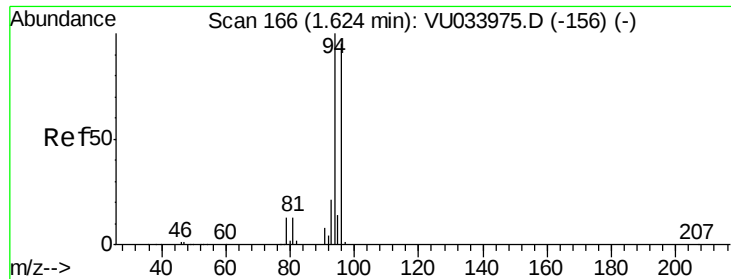
Tgt Ion: 62 Resp: 177331

Ion Ratio Lower Upper

62 100

64 31.9 25.9 38.9





#5

Bromomethane

Concen: 53.113 ug/l

RT: 1.60 min Scan# 158

Delta R.T. -0.03 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082819

Tot Ion: 94 Resp: 115648

Ion Ratio Lower Upper

94 100

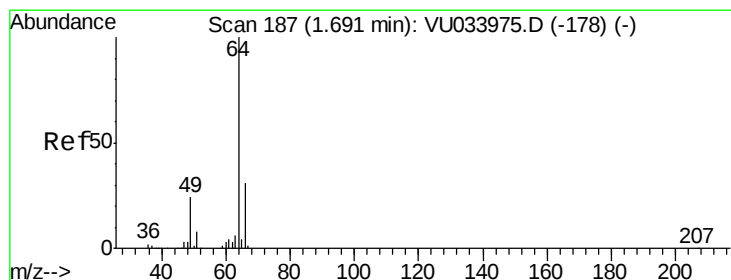
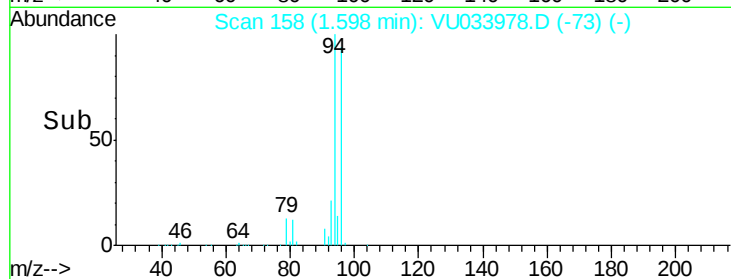
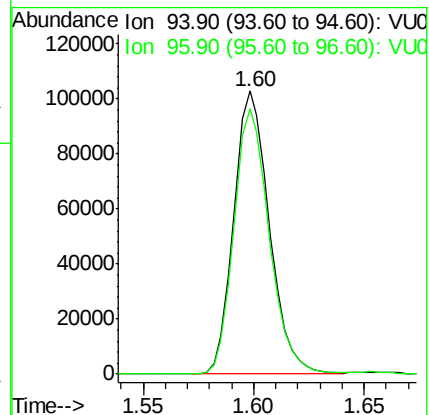
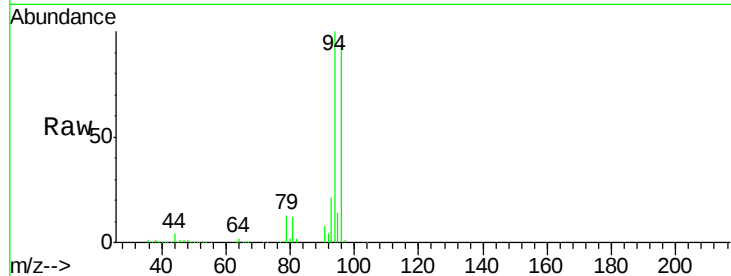
96 93.8 76.3 114.5

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#6

Chloroethane

Concen: 47.139 ug/l

RT: 1.68 min Scan# 182

Delta R.T. -0.02 min

Lab File: VU033978.D

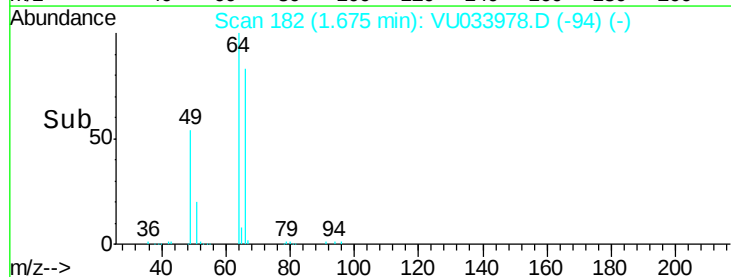
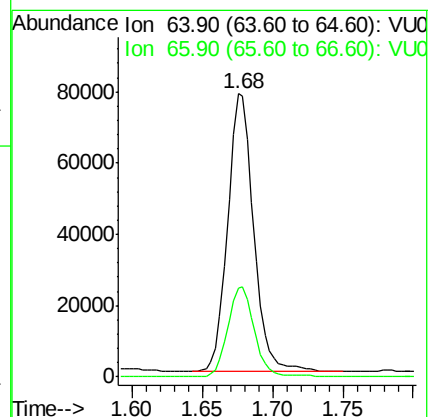
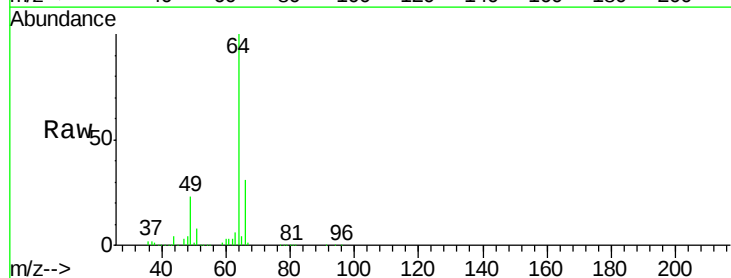
Acq: 27 Aug 2019 17:06

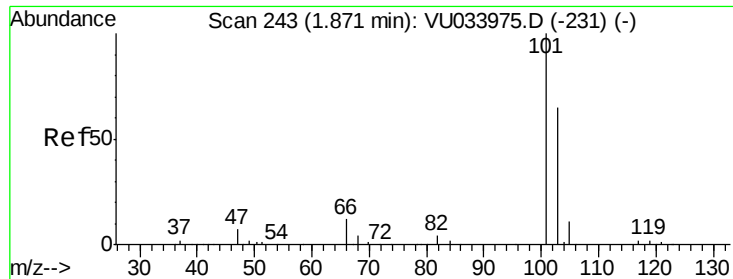
Tgt Ion: 64 Resp: 100548

Ion Ratio Lower Upper

64 100

66 31.8 24.9 37.3





#7

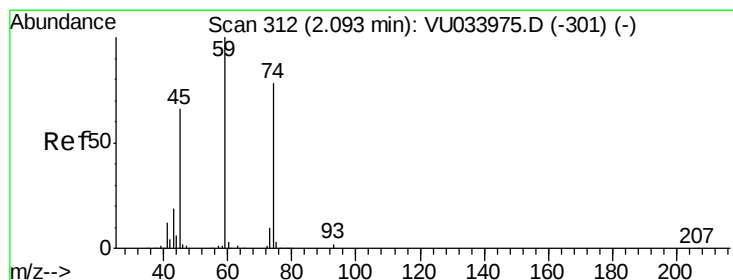
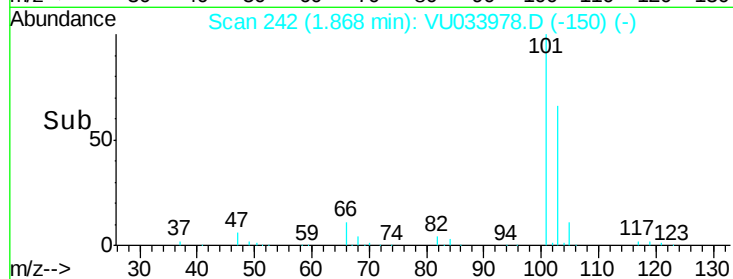
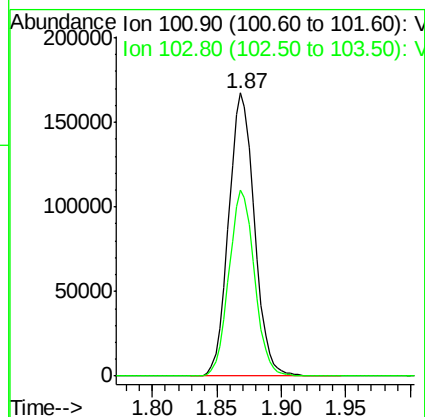
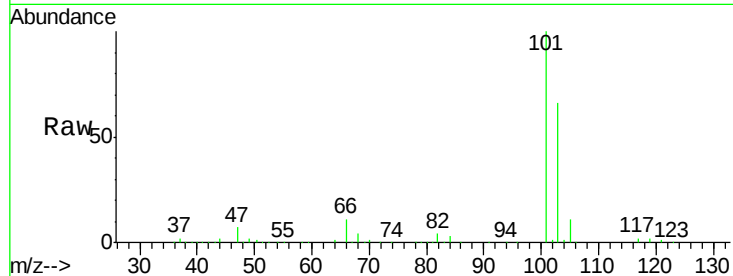
Trichlorofluoromethane
Concen: 49.174 ug/l
RT: 1.87 min Scan# 242
Delta R.T. -0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion:101 Resp: 231796
Ion Ratio Lower Upper
101 100
103 65.6 52.0 78.0

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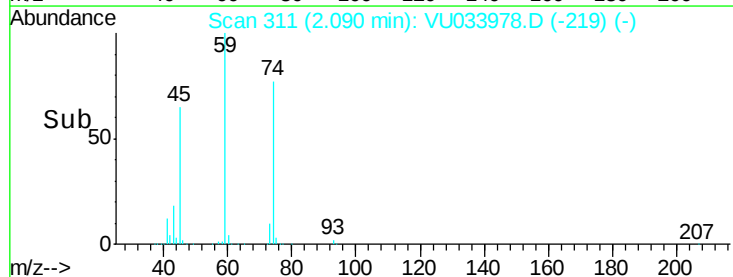
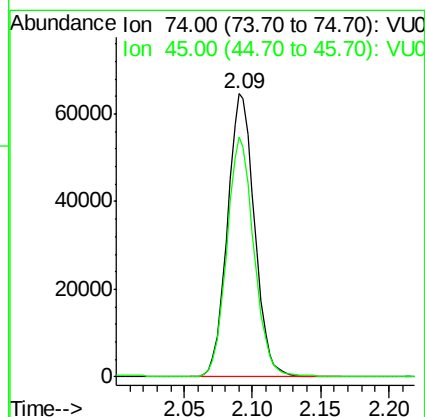
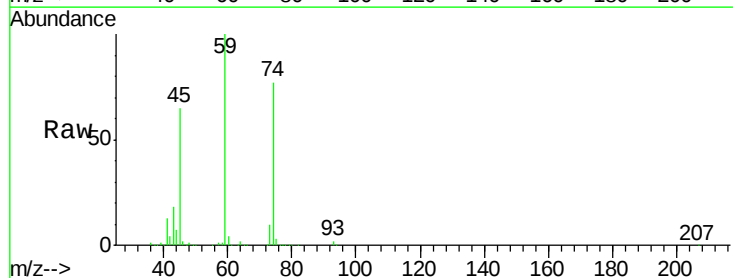
MMDadoda
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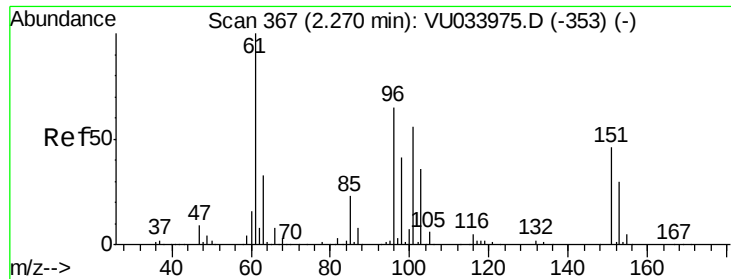


#8

Diethyl Ether
Concen: 49.931 ug/l
RT: 2.09 min Scan# 311
Delta R.T. -0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion: 74 Resp: 89278
Ion Ratio Lower Upper
74 100
45 84.7 42.8 128.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.386 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

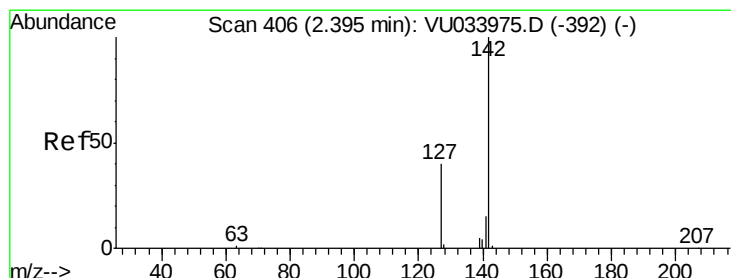
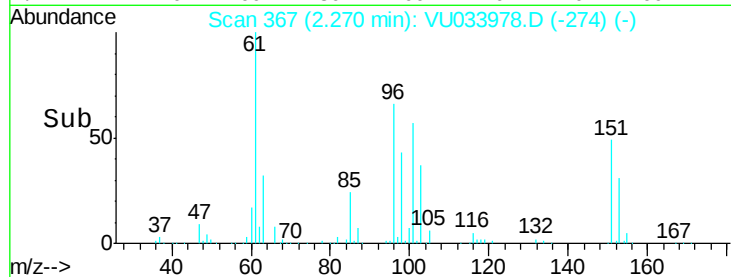
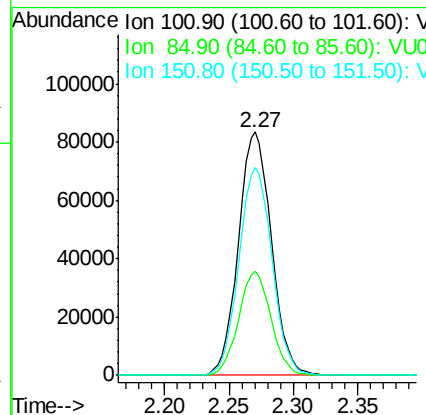
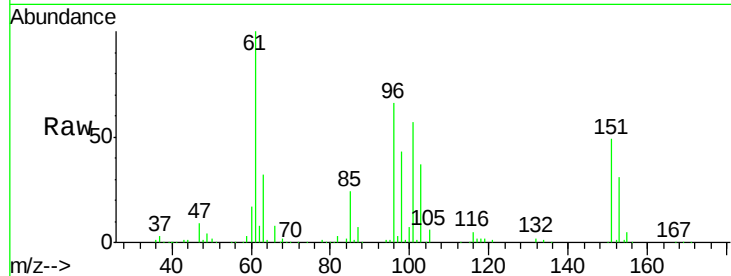
ClientSampleId :

ICVVU082819

Tot Ion:	101	Resp:	148674
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.4	50.0
151	85.9	67.6	101.4

Manual Integrations
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8/28/2019 9:58:01 AM



#10

Methyl Iodide

Concen: 49.324 ug/l

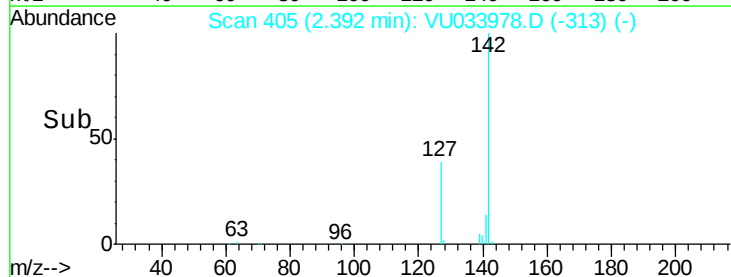
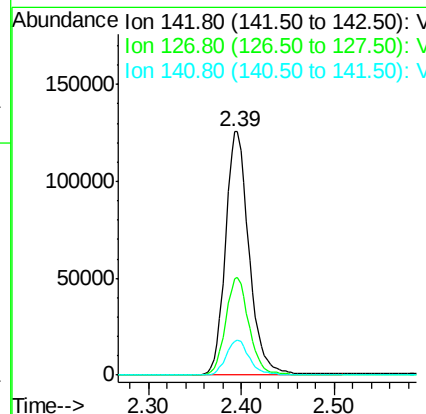
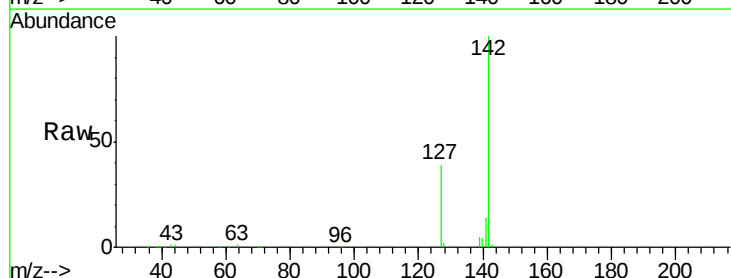
RT: 2.39 min Scan# 405

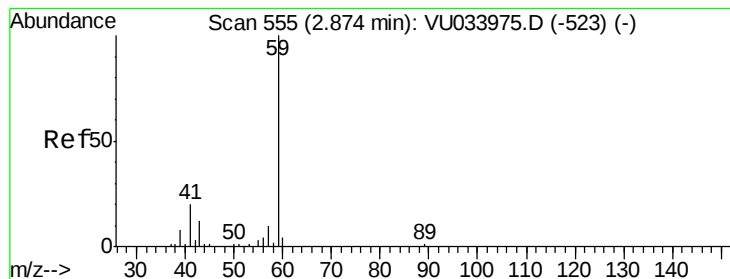
Delta R.T. -0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Tgt Ion:	142	Resp:	222369
Ion Ratio	Lower	Upper	
142	100		
127	39.7	32.2	48.2
141	14.3	11.8	17.8





#11

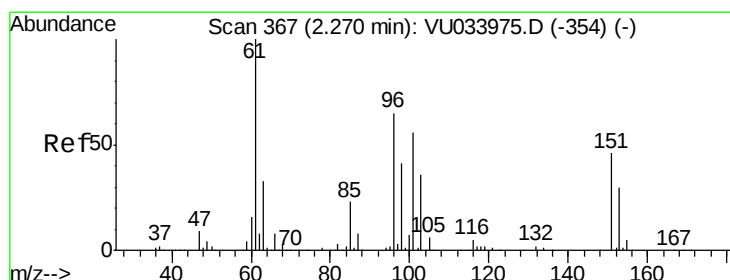
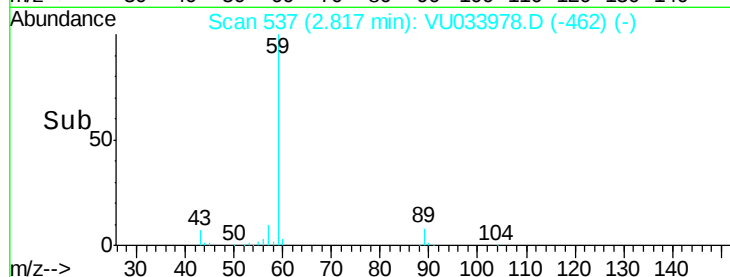
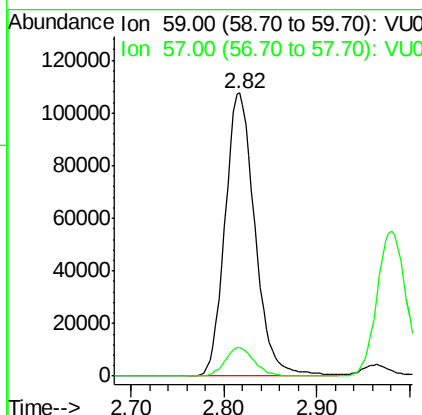
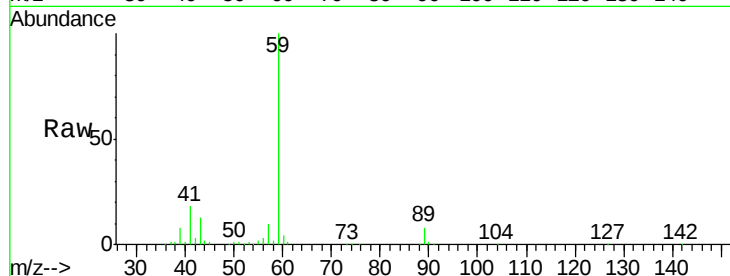
Tert butyl alcohol
Concen: 234.250 ug/l
RT: 2.82 min Scan# 537
Delta R.T. -0.06 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion	Ratio	Resp	Lower	Upper
59	100	240489		
57	9.9		3.9	5.9#

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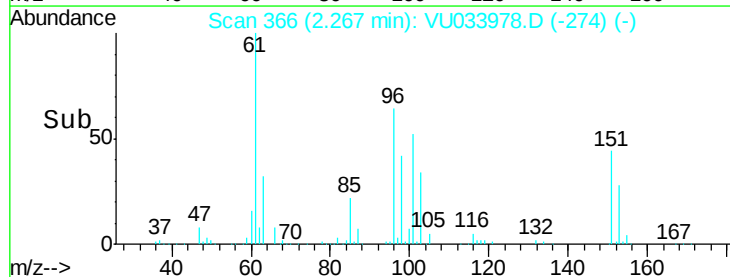
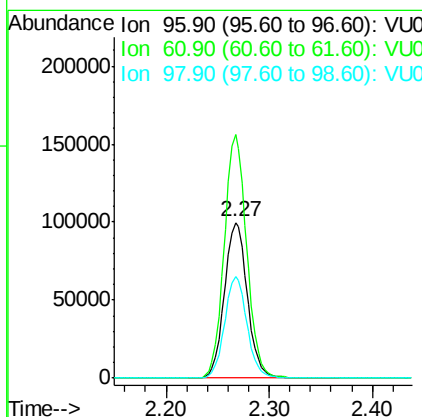
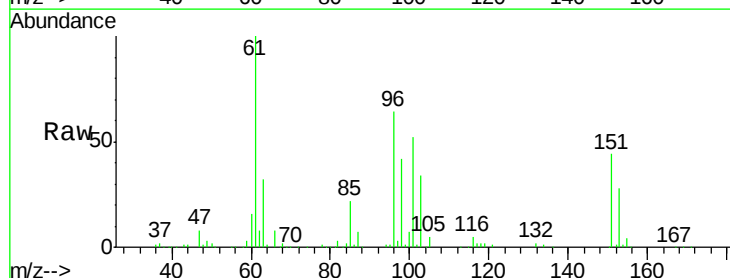
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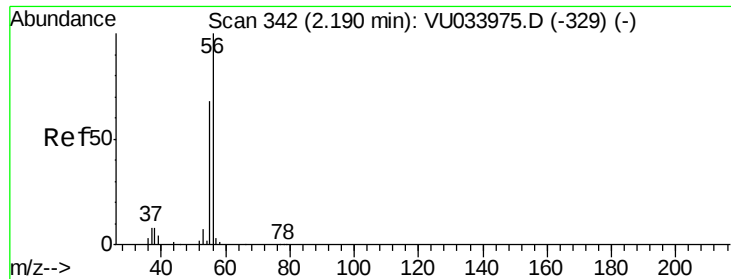


#12

1,1-Dichloroethene
Concen: 48.860 ug/l
RT: 2.27 min Scan# 366
Delta R.T. -0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	153528		
61	156.6		123.3	184.9
98	65.6		50.5	75.7





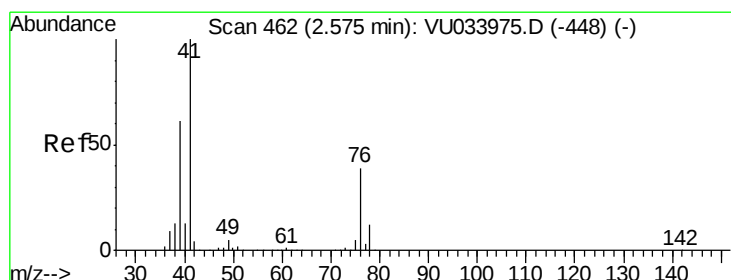
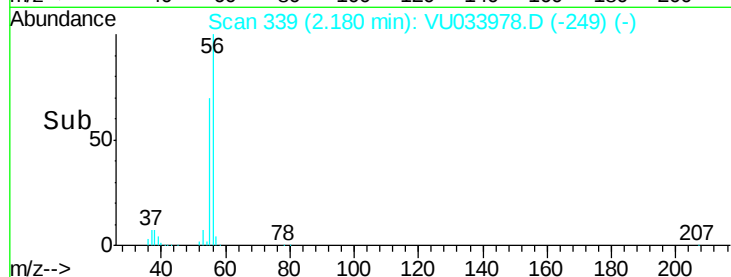
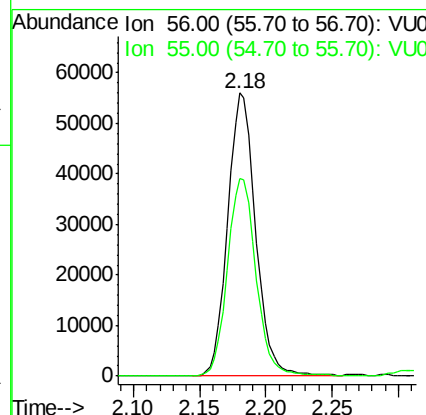
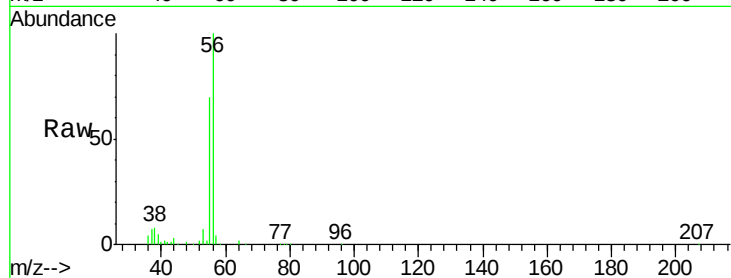
#13
Acrolein
Concen: 252.692 ug/l
RT: 2.18 min Scan# 339
Delta R.T. -0.01 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.4	58.0	87.0

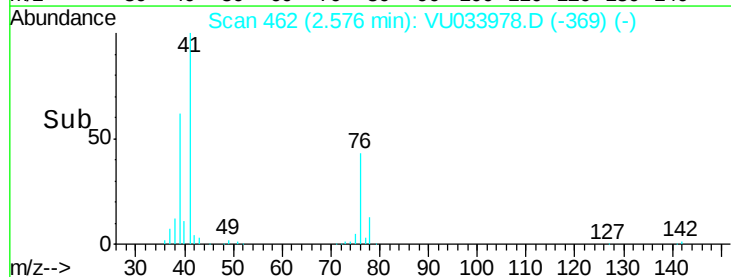
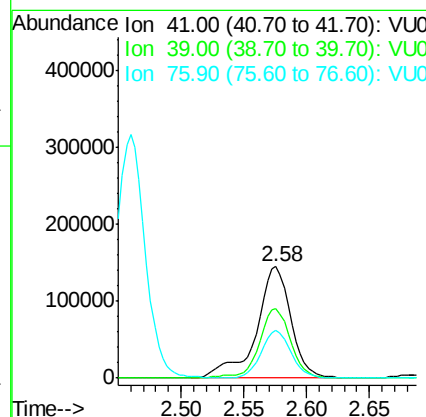
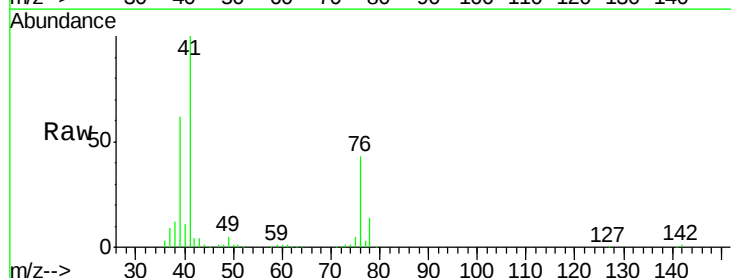
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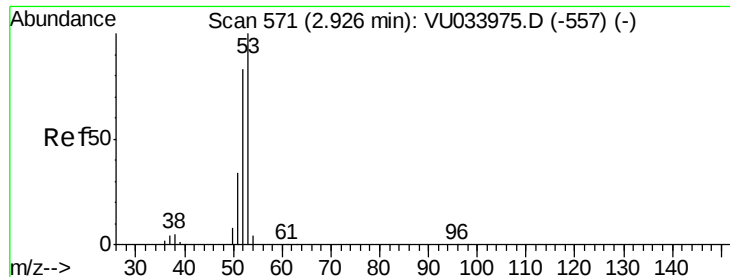
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#14
Allyl chloride
Concen: 50.189 ug/l m
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.5	45.9	68.9
76	36.3	29.4	44.2





#15

Acrylonitrile

Concen: 258.624 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.01 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

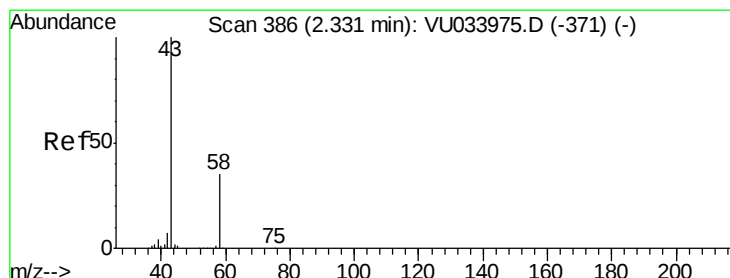
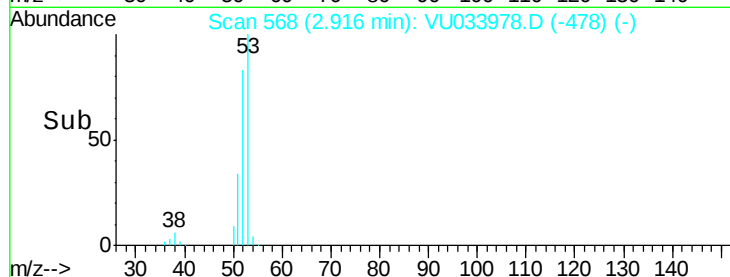
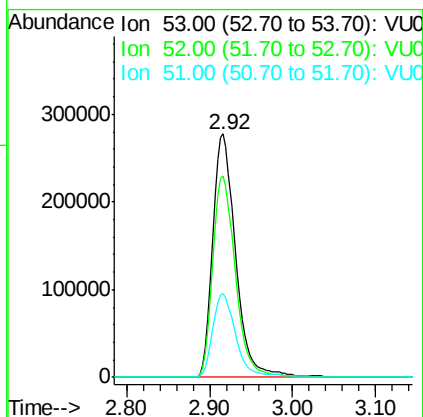
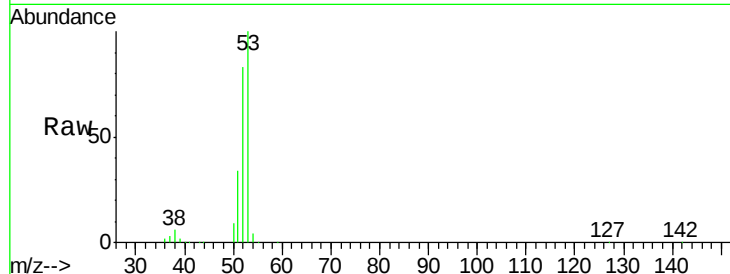
ClientSampleId :

ICVVU082819

Tot Ion:	53	Resp:	536747
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.7	100.1
51	34.9	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 224.617 ug/l

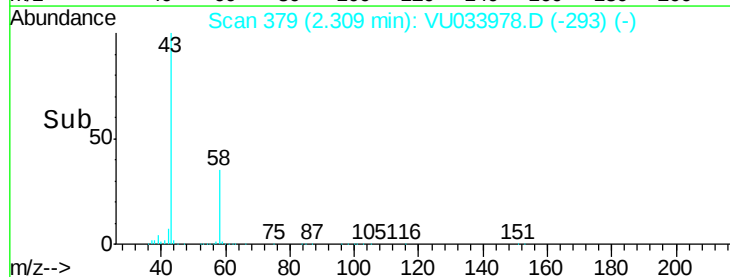
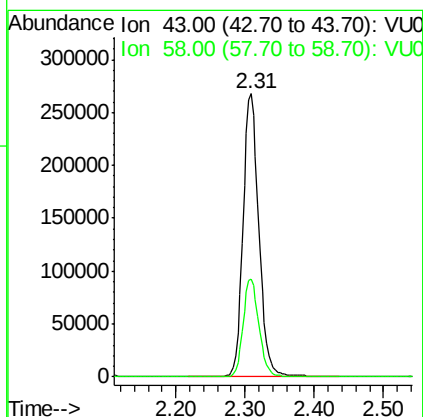
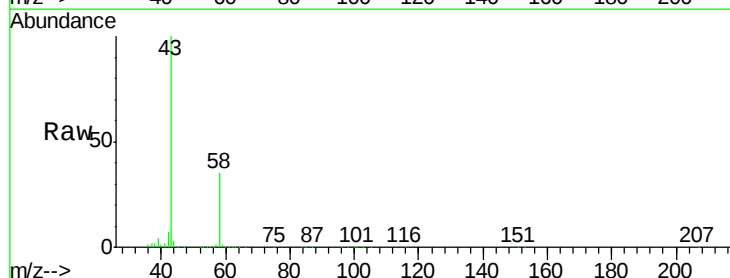
RT: 2.31 min Scan# 379

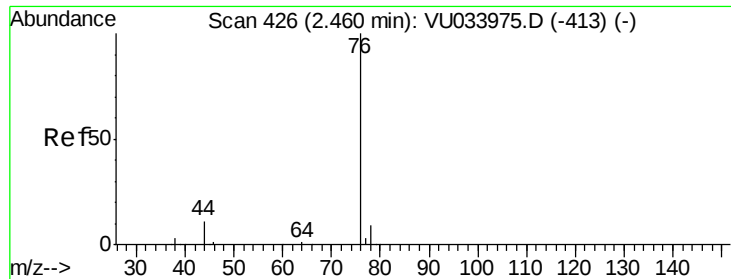
Delta R.T. -0.02 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Tgt Ion:	43	Resp:	426150
Ion Ratio	Lower	Upper	
43	100		
58	34.6	28.0	42.0





#17

Carbon Disulfide

Concen: 49.031 ug/l

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082819

Tot Ion: 76 Resp: 505918

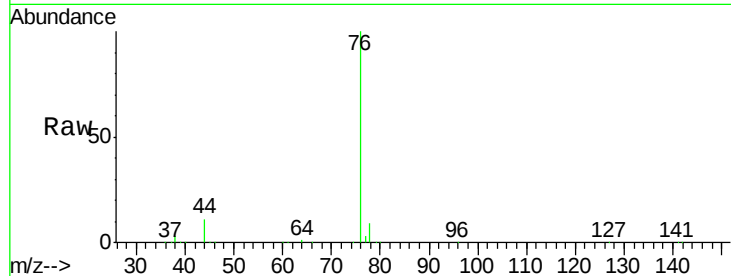
Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

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Abundance Ion 75.90 (75.60 to 76.60): VU033975.D (-413) (-)

Ion 77.90 (77.60 to 78.60): VU033975.D (-413) (-)

2.46

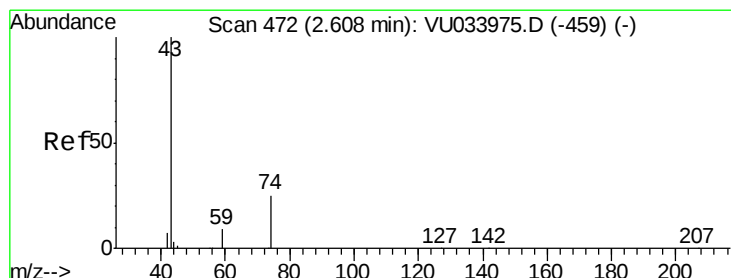
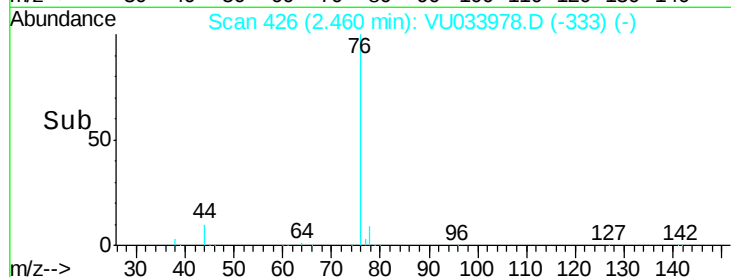
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 50.930 ug/l

RT: 2.60 min Scan# 469

Delta R.T. -0.01 min

Lab File: VU033978.D

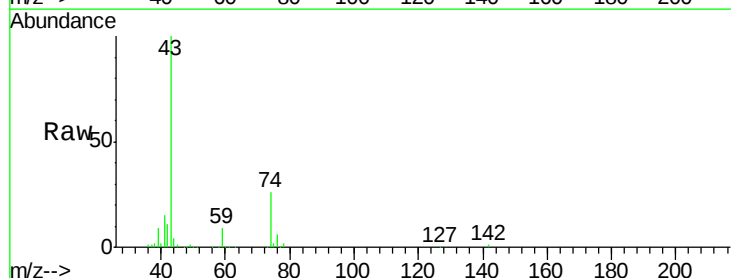
Acq: 27 Aug 2019 17:06

Tgt Ion: 43 Resp: 237992

Ion Ratio Lower Upper

43 100

74 25.2 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VU033975.D (-459) (-)

Ion 74.00 (73.70 to 74.70): VU033975.D (-459) (-)

2.60

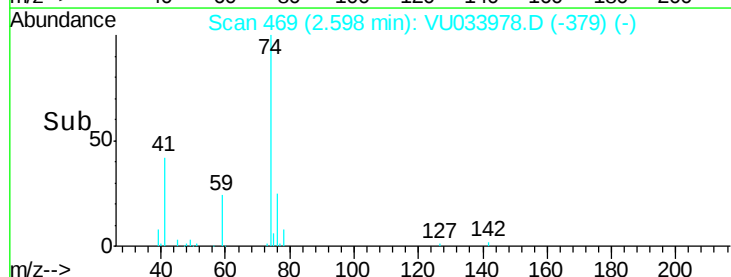
150000

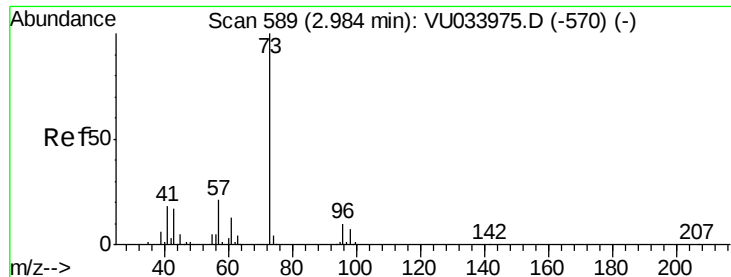
100000

50000

0

Time-->





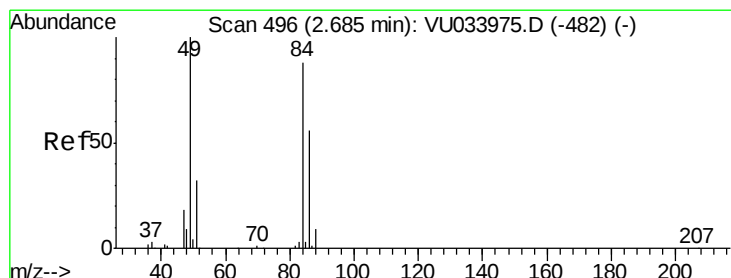
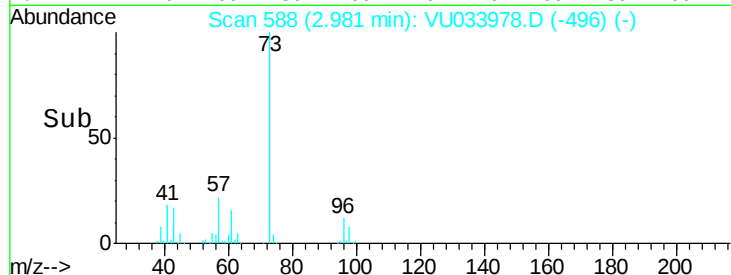
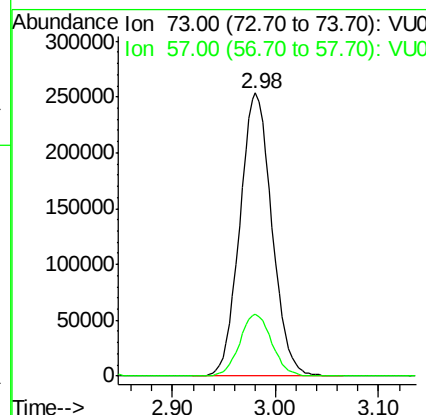
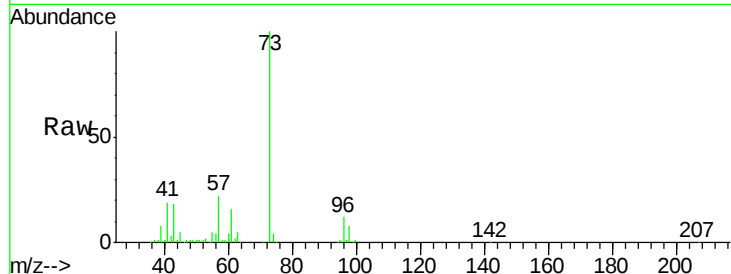
#19
Methvl tert-butvl Ether
Concen: 51.895 ug/l
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion: 73 Resp: 547781
Ion Ratio Lower Upper
73 100
57 21.8 17.5 26.3

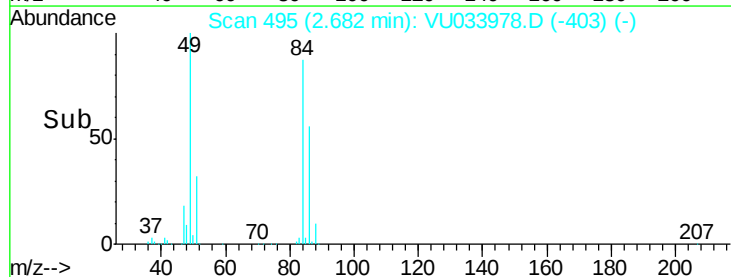
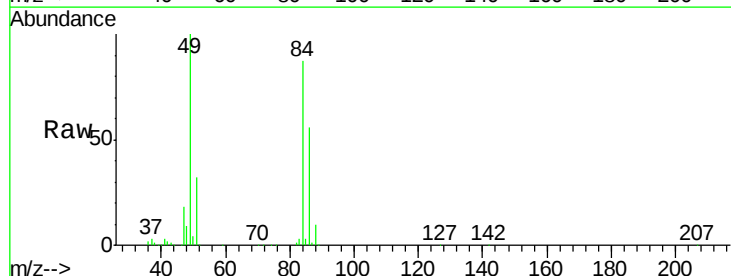
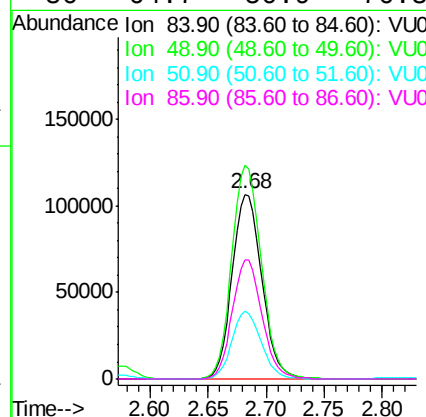
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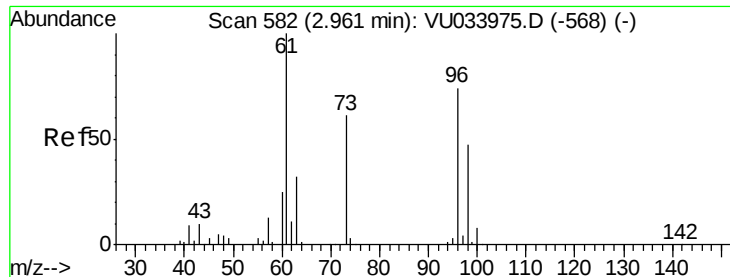
MMDadoda
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#20
Methylene Chloride
Concen: 47.184 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion: 84 Resp: 189924
Ion Ratio Lower Upper
84 100
49 115.6 91.3 136.9
51 36.8 28.9 43.3
86 64.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 49.344 ug/l

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082819

Tot Ion: 96 Resp: 176779

Ion Ratio Lower Upper

96 100

61 138.6 108.2 162.2

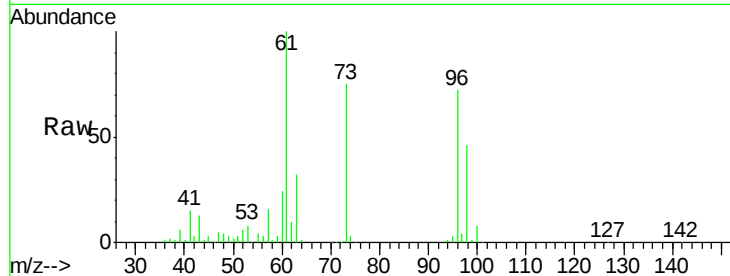
98 64.0 50.3 75.5

Manual Integrations

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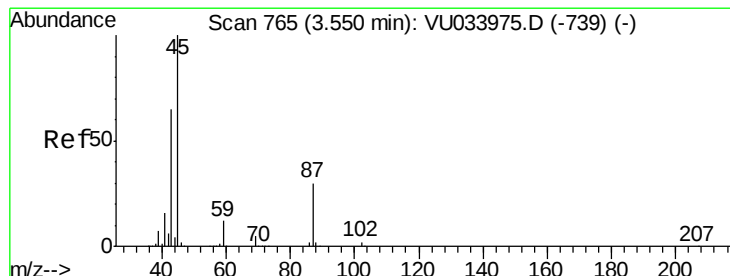
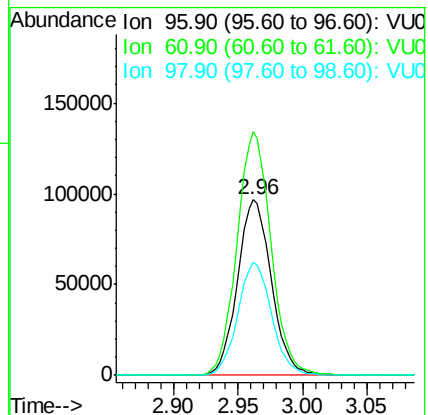
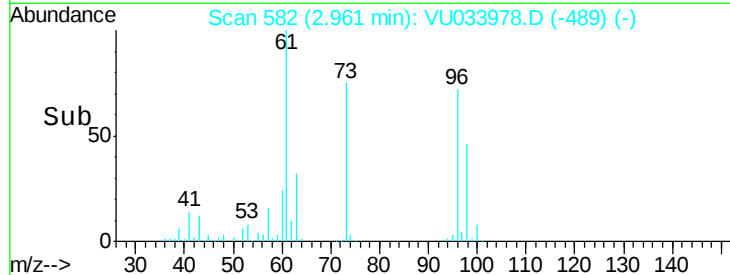


Abundance Ion 95.90 (95.60 to 96.60): VU033978.D (-489) (-)

Ion 60.90 (60.60 to 61.60): VU033978.D (-489) (-)

Ion 97.90 (97.60 to 98.60): VU033978.D (-489) (-)

Time-->



#22

Diisopropyl ether

Concen: 51.081 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Tgt Ion: 45 Resp: 522156

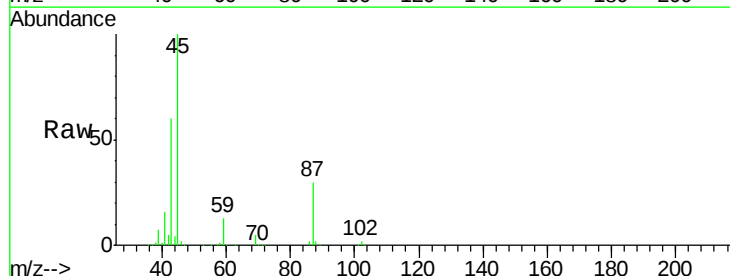
Ion Ratio Lower Upper

45 100

43 59.7 51.6 77.4

87 30.2 24.4 36.6

59 12.7 9.8 14.6



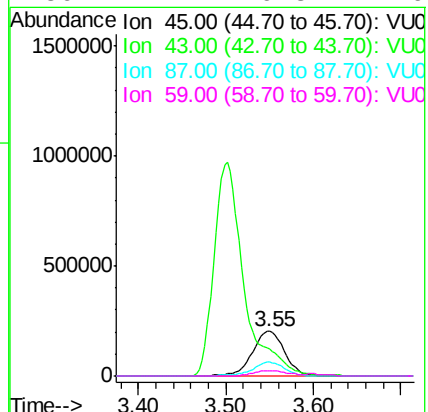
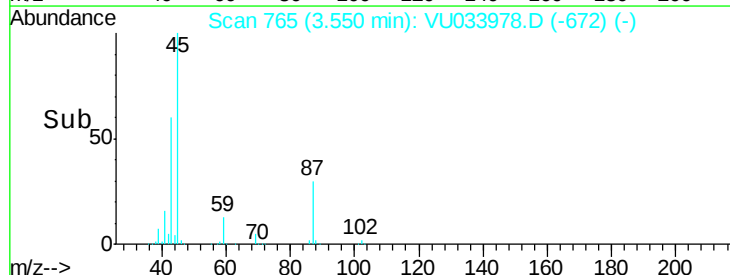
Abundance Ion 45.00 (44.70 to 45.70): VU033978.D (-672) (-)

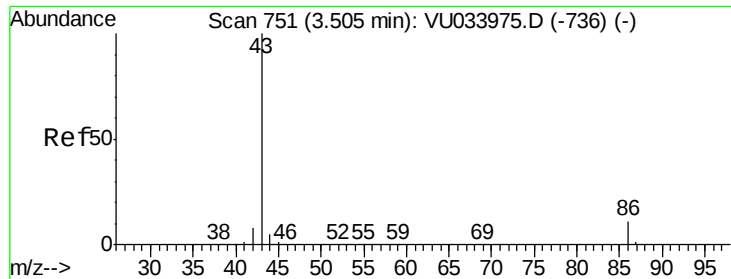
Ion 43.00 (42.70 to 43.70): VU033978.D (-672) (-)

Ion 87.00 (86.70 to 87.70): VU033978.D (-672) (-)

Ion 59.00 (58.70 to 59.70): VU033978.D (-672) (-)

Time-->





#23

Vinyl Acetate

Concen: 265.488 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082819

Tot Ion: 43 Resp: 2305572

Ion Ratio Lower Upper

43 100

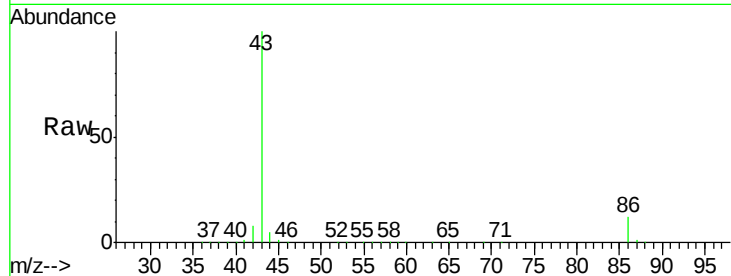
86 11.6 9.1 13.7

Manual Integrations

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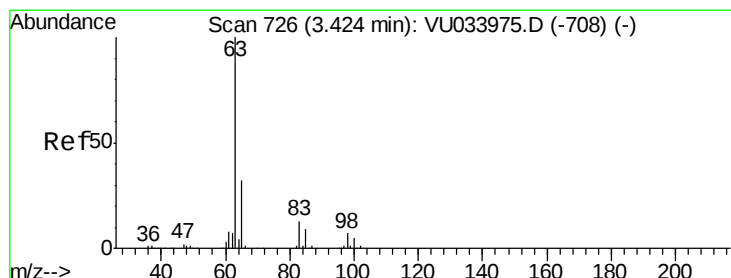
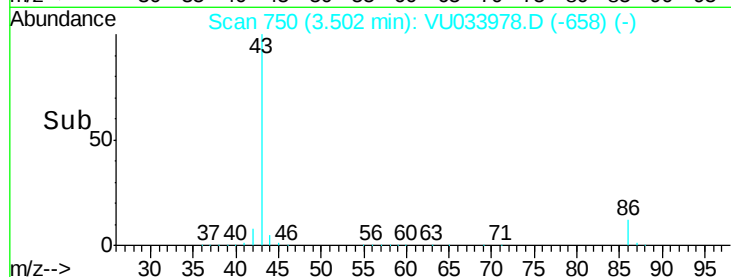
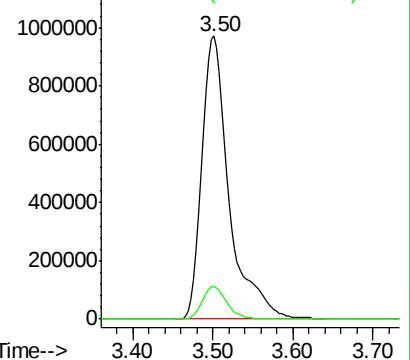
MMDadoda

8/28/2019 9:58:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 49.567 ug/l

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

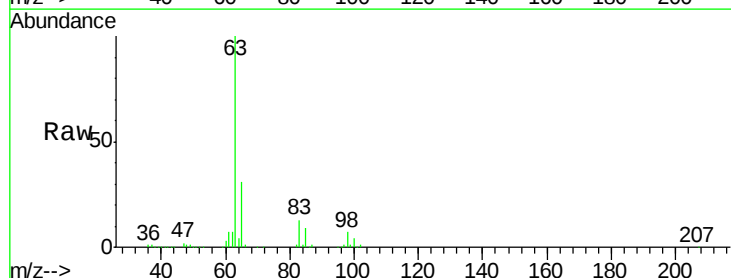
Tgt Ion: 63 Resp: 317229

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

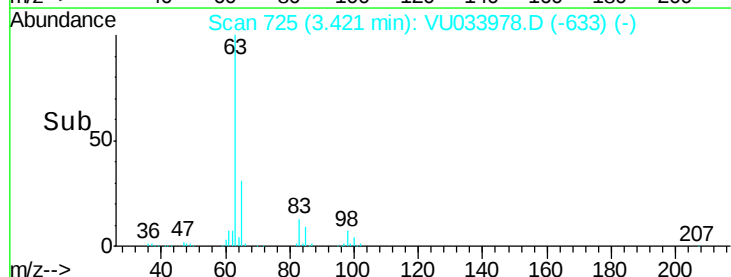
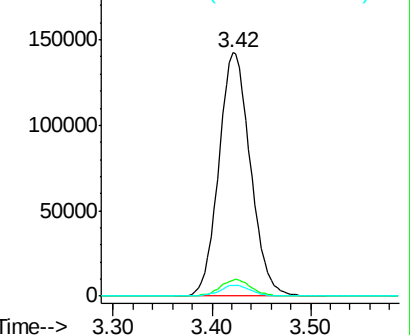
100 4.2 2.3 6.8

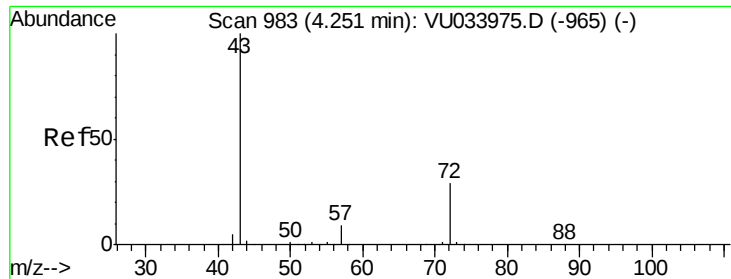


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





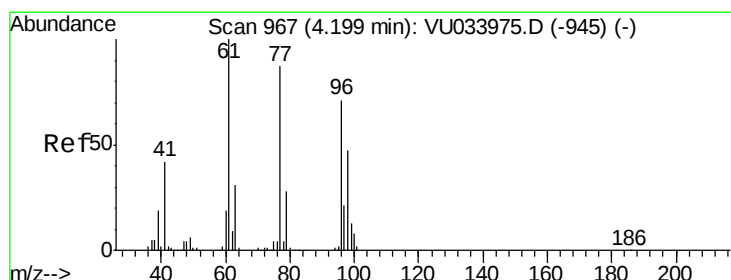
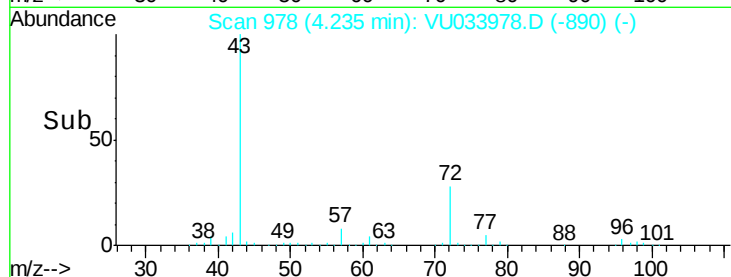
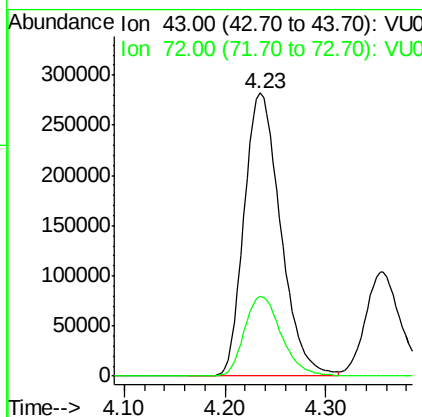
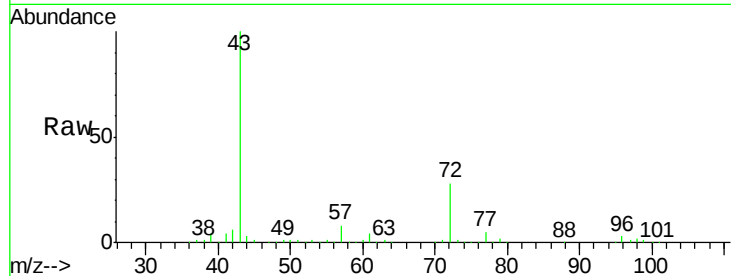
#25
2-Butanone
Concen: 258.562 ug/l
RT: 4.23 min Scan# 978
Delta R.T. -0.02 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion	Ratio	Lower	Upper
43	100		
72	28.2	22.9	34.3

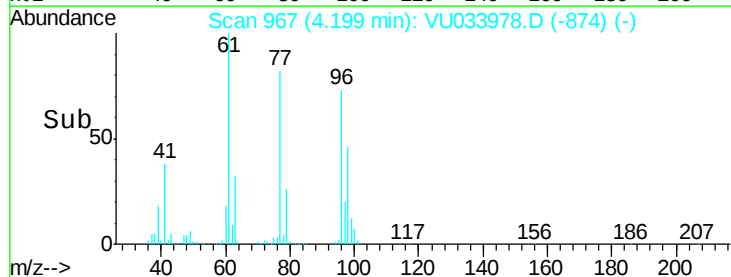
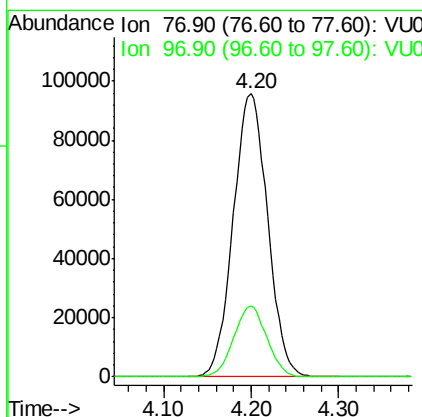
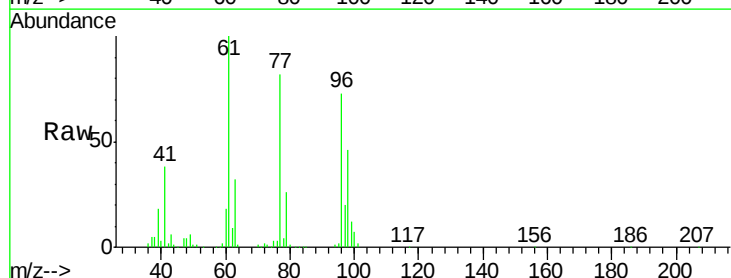
Manual Integrations
APPROVED

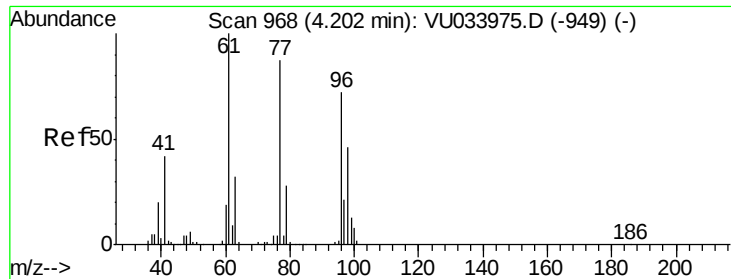
MMDadoda
8/28/2019 9:58:01 AM



#26
2,2-Dichloropropane
Concen: 48.235 ug/l
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.0	36.0





#27

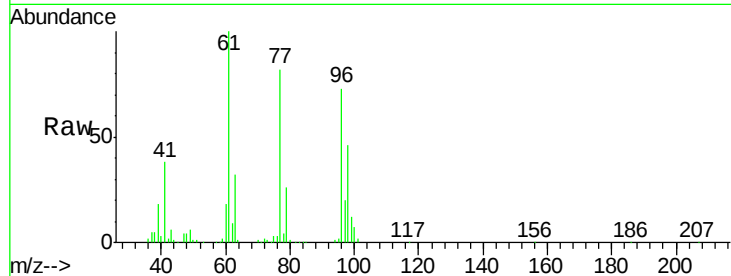
cis-1,2-Dichloroethene
Concen: 50.908 ug/l
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.5	0.0	287.2	
98	63.9	0.0	131.8	

Manual Integrations
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MMDadoda
8/28/2019 9:58:01 AM



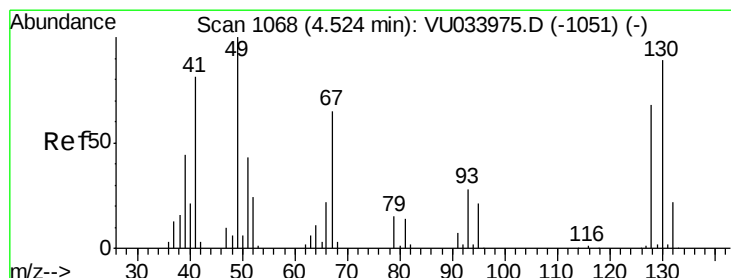
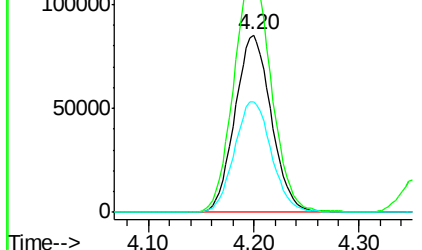
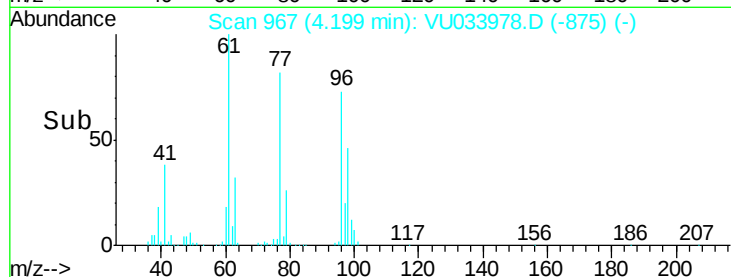
Abundance

Ion 95.90 (95.60 to 96.60): VU033978.D (-949) (-)

Ion 60.90 (60.60 to 61.60): VU033978.D (-949) (-)

Ion 97.90 (97.60 to 98.60): VU033978.D (-949) (-)

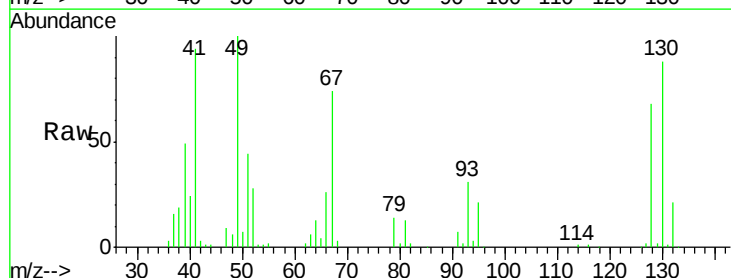
Time-->



#28

Bromochloromethane
Concen: 46.501 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.6	
130	89.9	71.0	106.6	



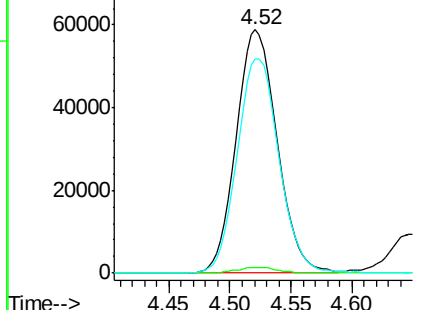
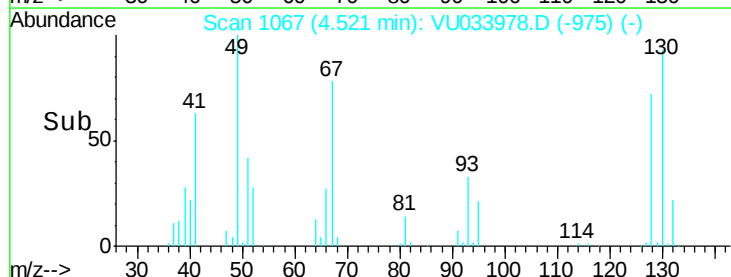
Abundance

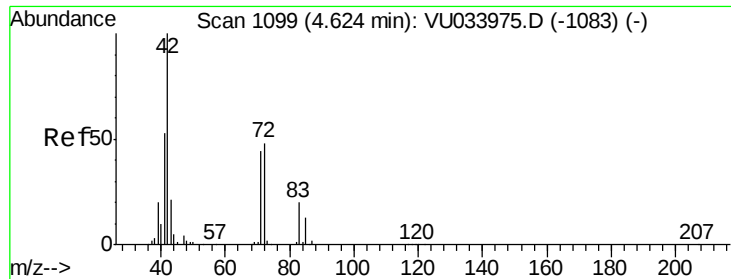
Ion 48.90 (48.60 to 49.60): VU033978.D (-975) (-)

Ion 128.80 (128.50 to 129.50): VU033978.D (-975) (-)

Ion 129.80 (129.50 to 130.50): VU033978.D (-975) (-)

Time-->





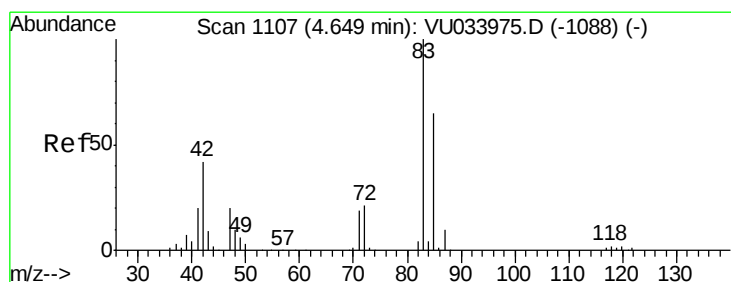
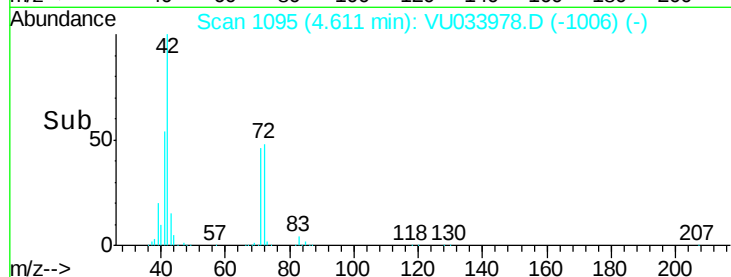
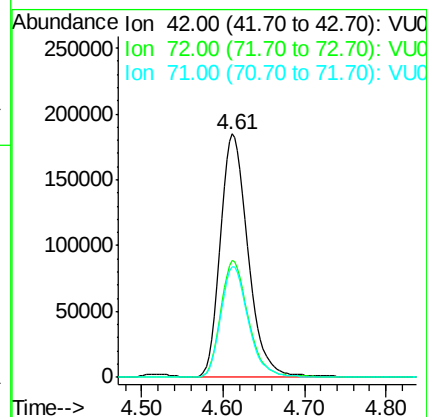
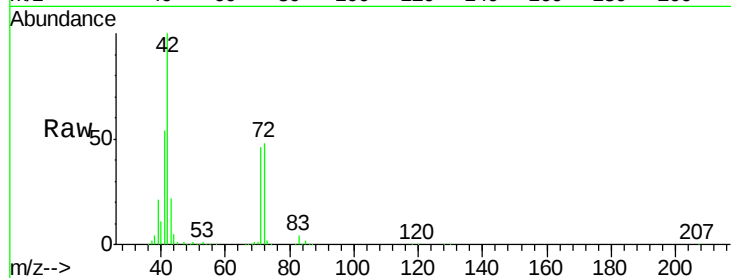
#29
Tetrahydrofuran
Concen: 260.442 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	38.9	58.3
71	45.6	35.7	53.5

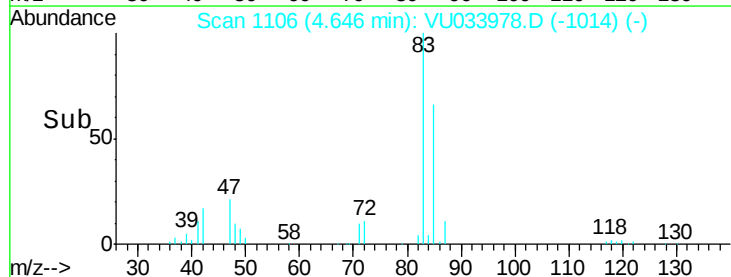
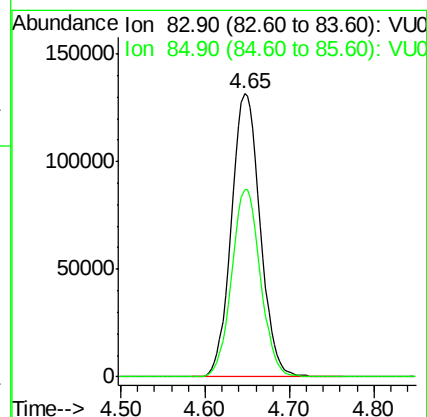
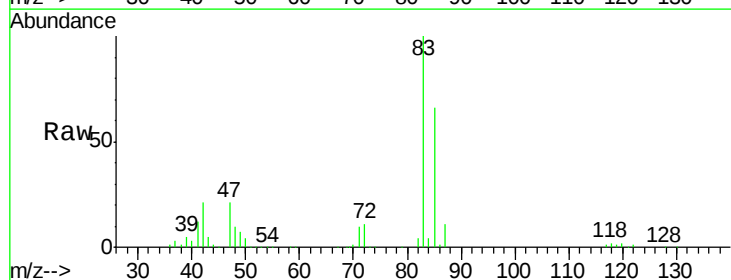
Manual Integrations
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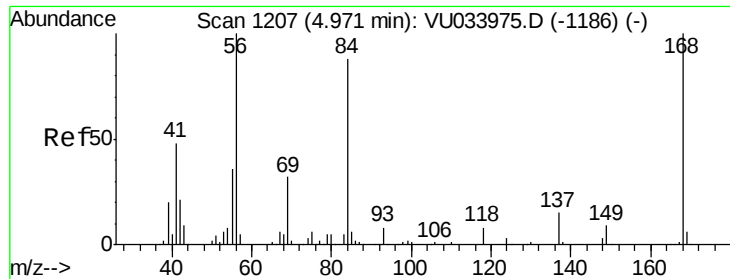
MMDadoda
8/28/2019 9:58:01 AM



#30
Chloroform
Concen: 47.741 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.1	78.1





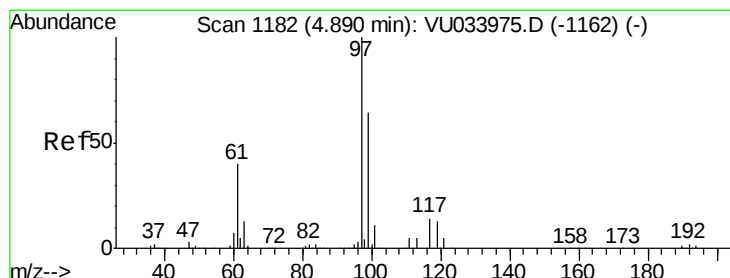
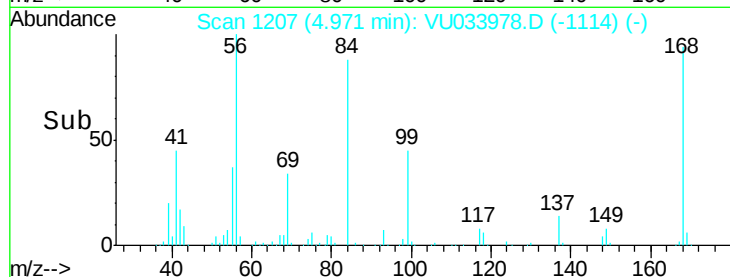
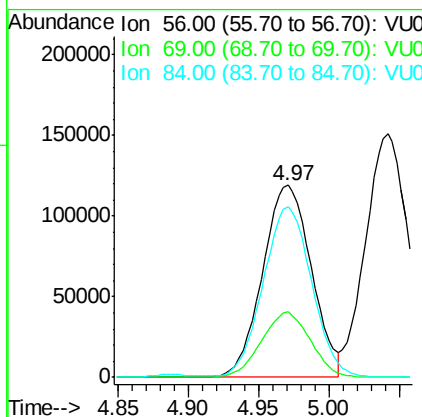
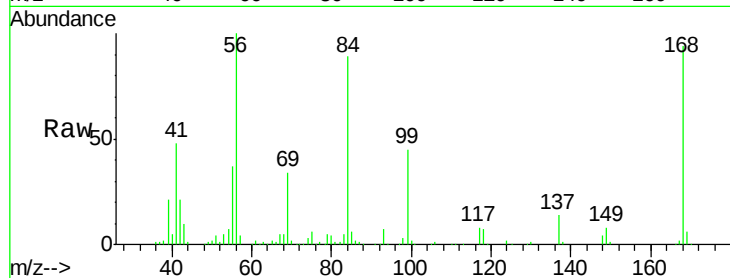
#31
Cyclohexane
Concen: 49.113 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.9	38.9
84	88.0	70.4	105.6

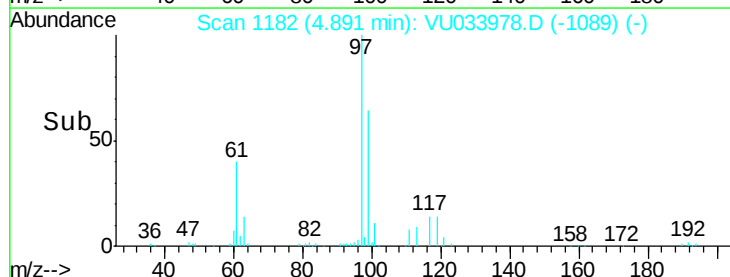
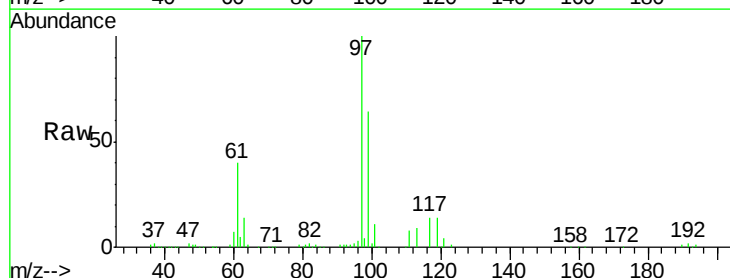
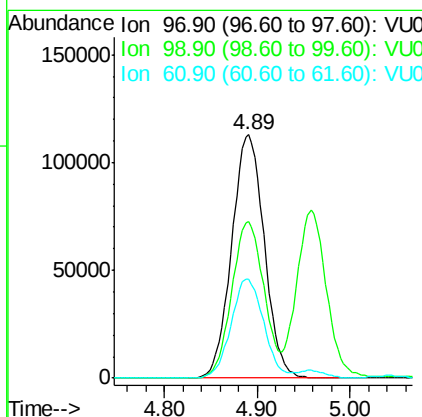
Manual Integrations
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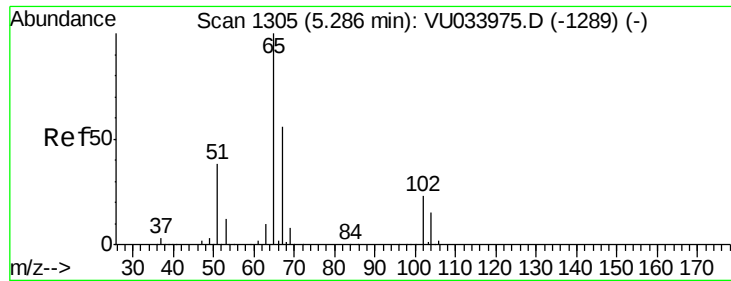
MMDadoda
8/28/2019 9:58:01 AM



#32
1,1,1-Trichloroethane
Concen: 49.911 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	40.7	32.7	49.1





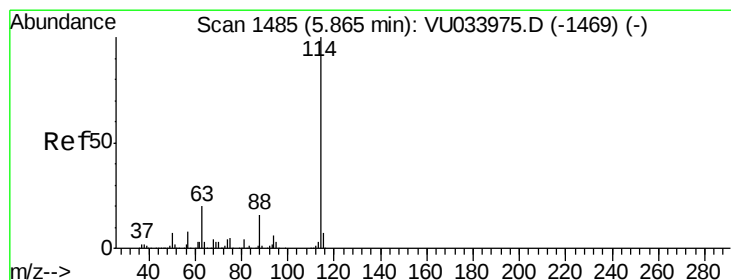
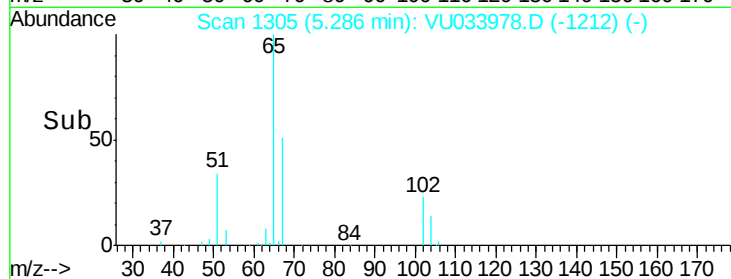
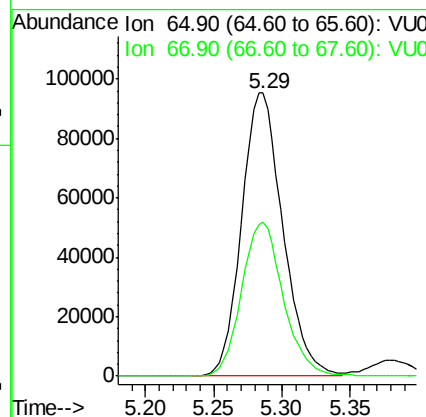
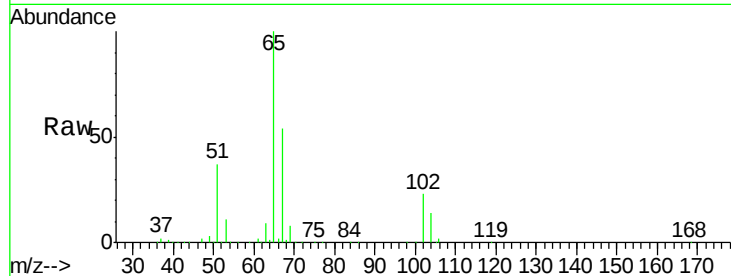
#33
 1,2-Dichloroethane-d4
 Concen: 50.380 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082819

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199686		
67	55.1	0.0	111.0	

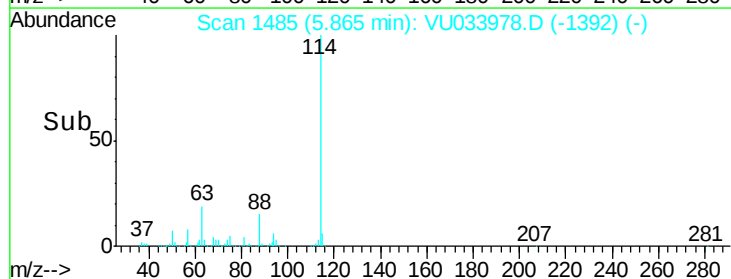
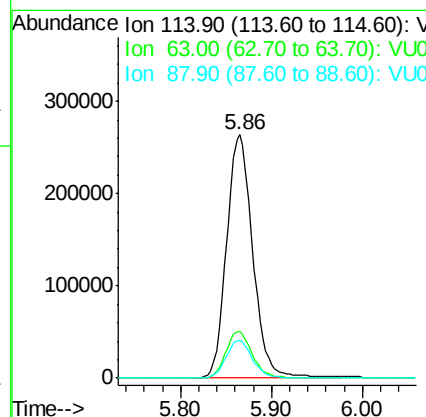
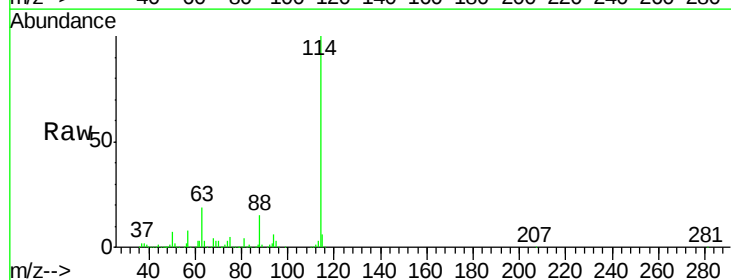
Manual Integrations
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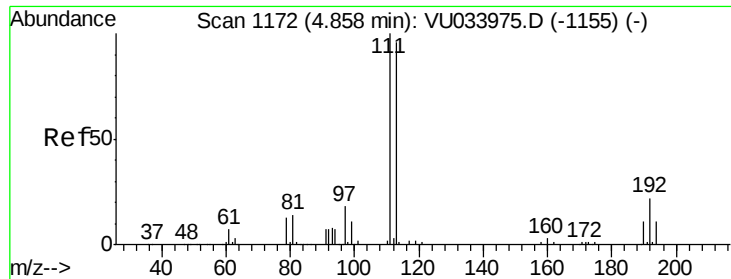
MMDadoda
 8/28/2019 9:58:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	528241		
63	19.2	0.0	39.0	
88	15.4	0.0	31.2	





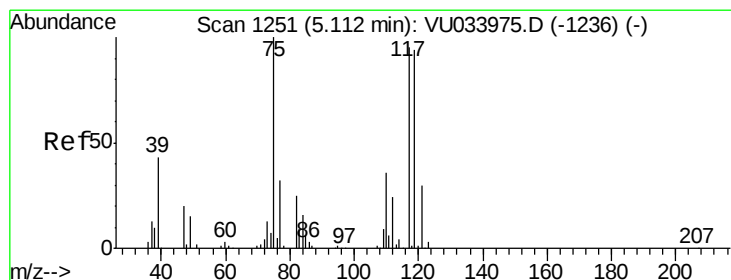
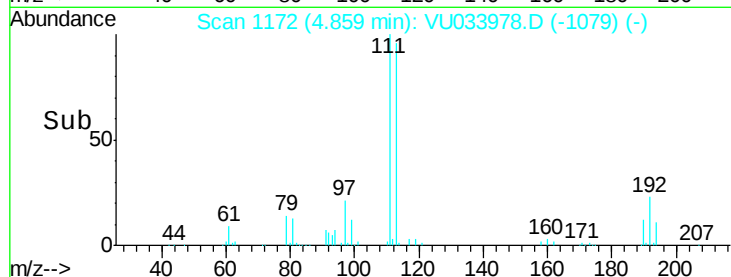
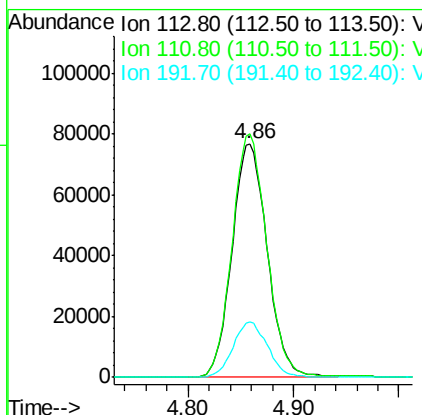
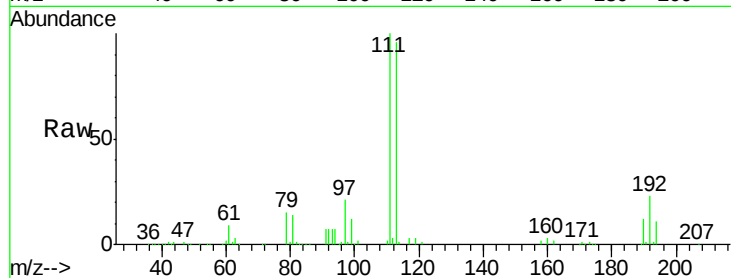
#35
Dibromofluoromethane
Concen: 50.197 ug/l
RT: 4.86 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion	Ratio	Resp	Lower	Upper
113	100	178239		
111	102.4	81.7	122.5	
192	23.3	18.6	27.8	

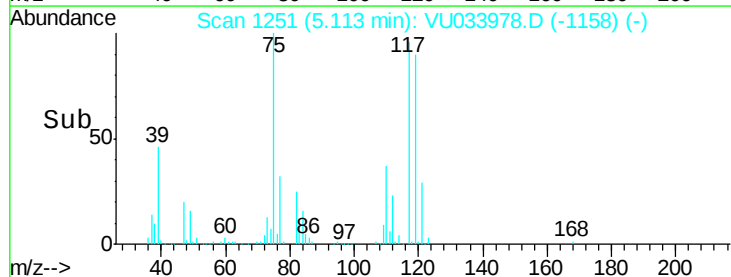
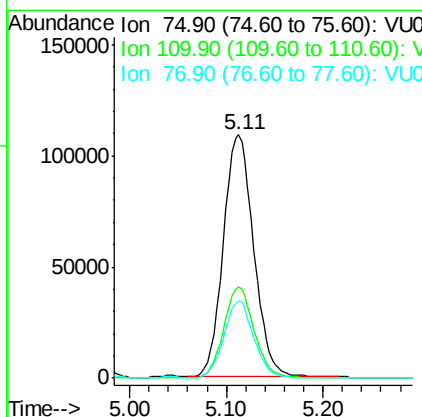
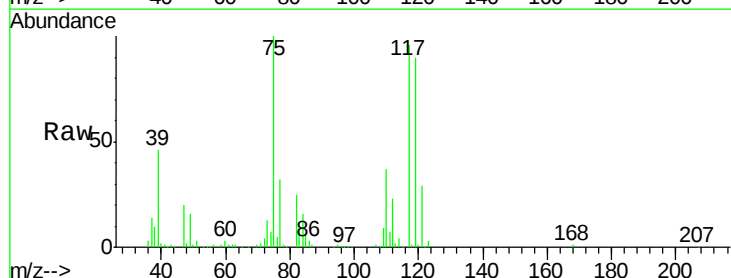
Manual Integrations
APPROVED

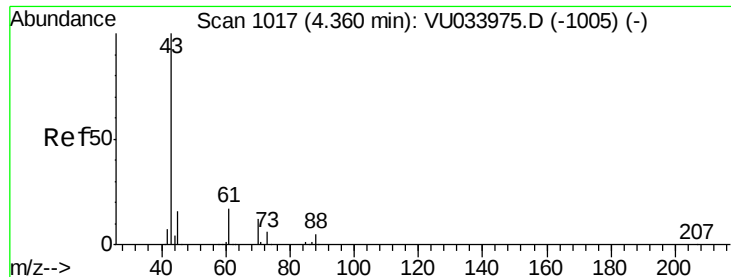
MMDadoda
8/28/2019 9:58:01 AM



#36
1,1-Dichloropropene
Concen: 49.040 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	237263		
110	37.8	18.2	54.6	
77	31.0	24.8	37.2	





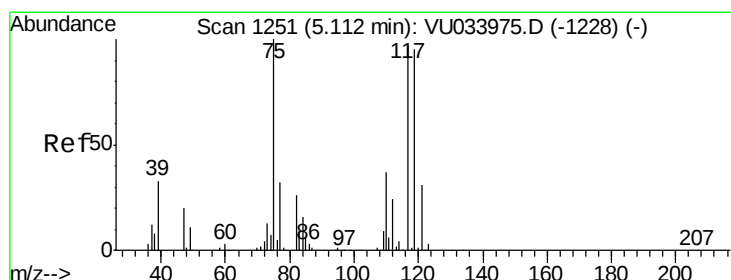
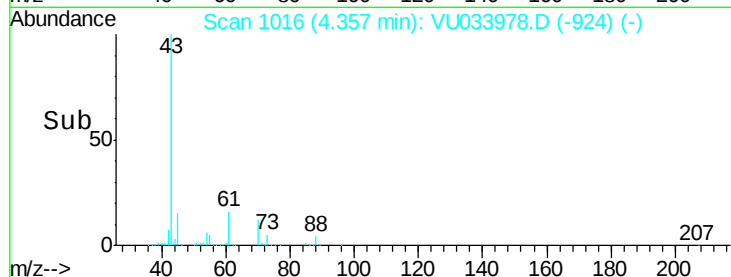
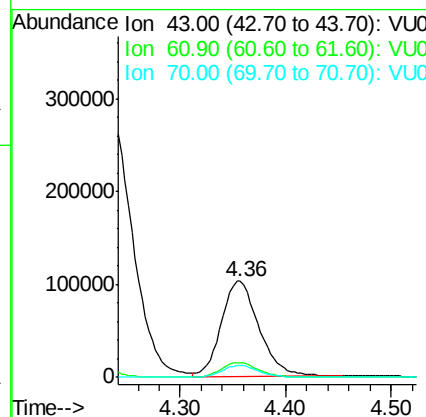
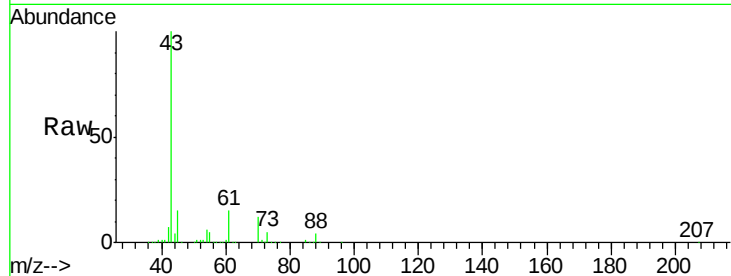
#37
Ethyl Acetate
Concen: 52.116 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.0	18.0
70	12.4	9.2	13.8

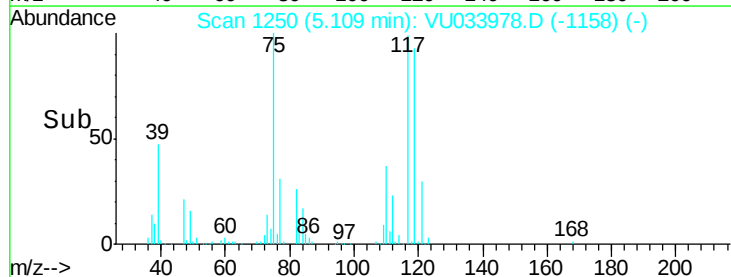
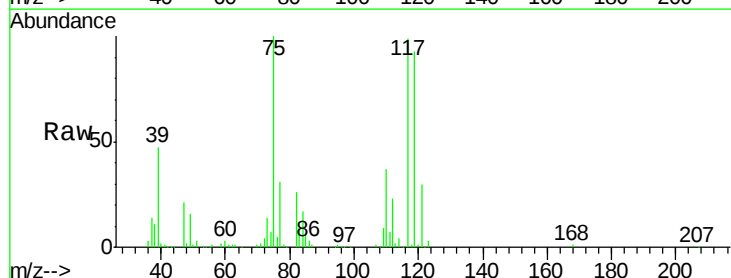
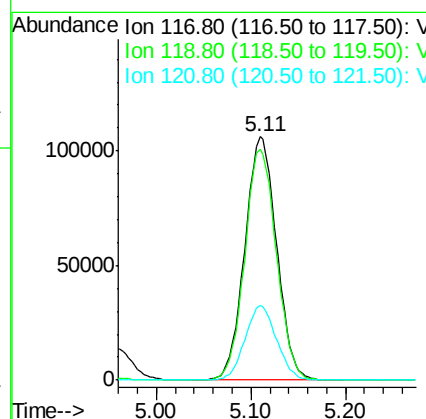
Manual Integrations
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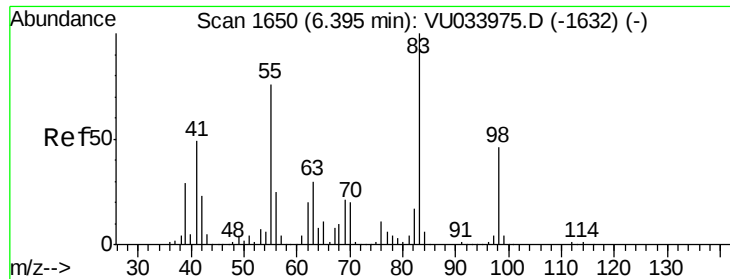
MMDadoda
8/28/2019 9:58:01 AM



#38
Carbon Tetrachloride
Concen: 50.232 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	78.4	117.6
121	30.4	25.4	38.2





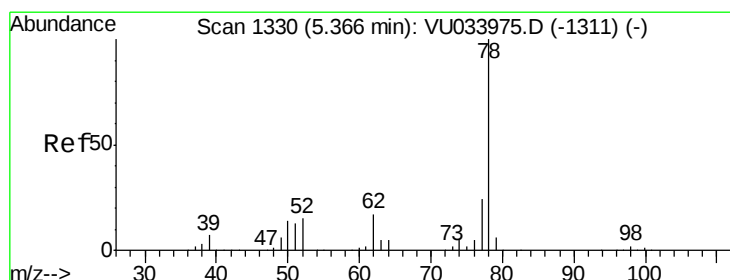
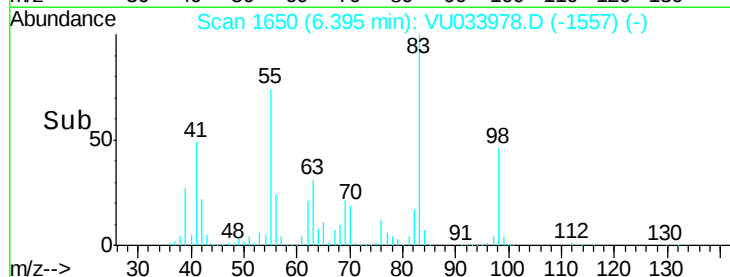
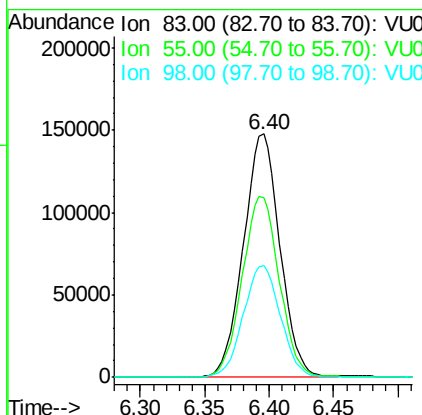
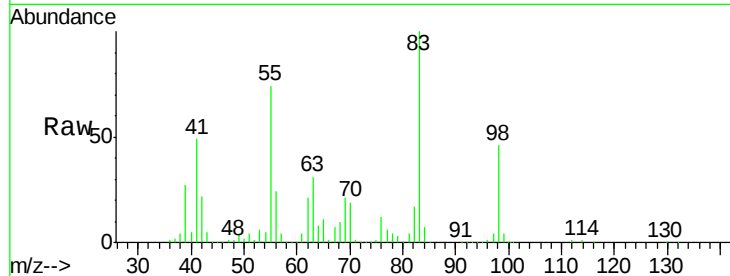
#39
Methvlcvclohexane
Concen: 51.060 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	60.8	91.2
98	45.7	36.5	54.7

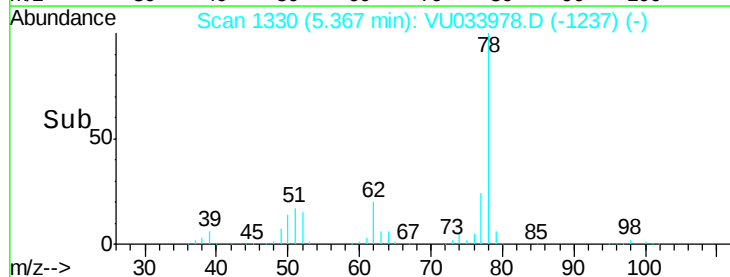
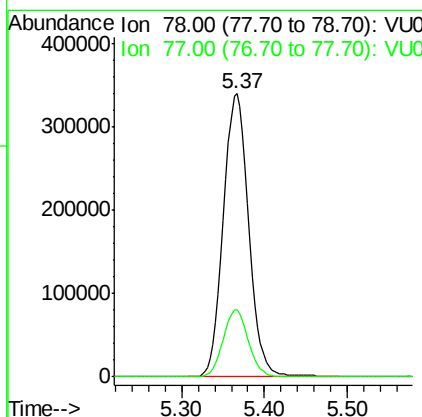
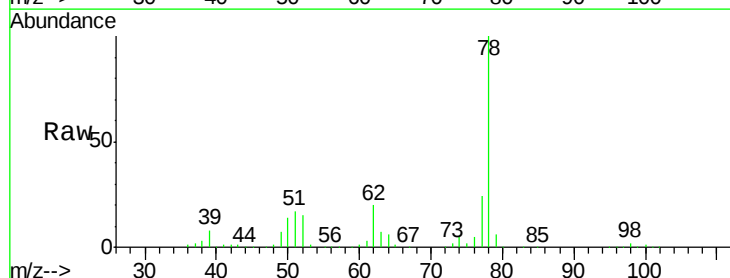
Manual Integrations
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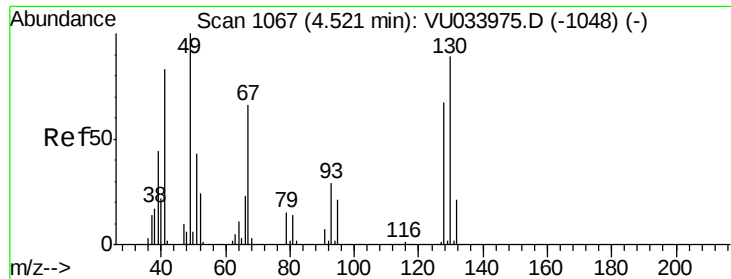
MMDadoda
8/28/2019 9:58:01 AM



#40
Benzene
Concen: 50.430 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





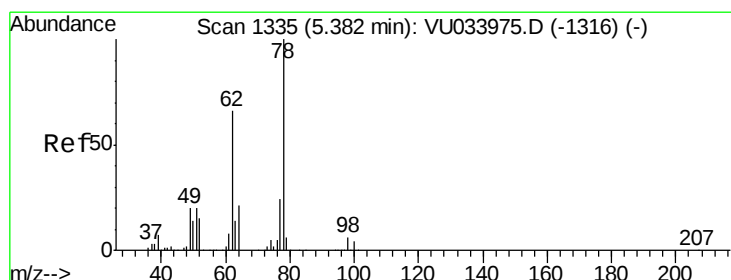
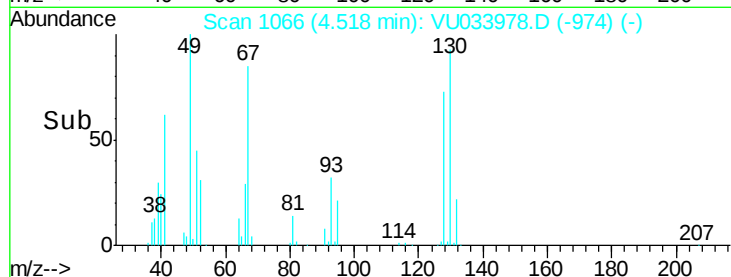
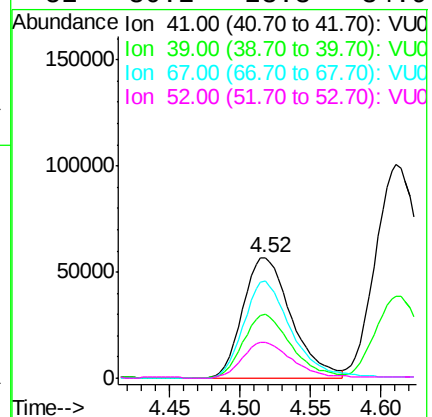
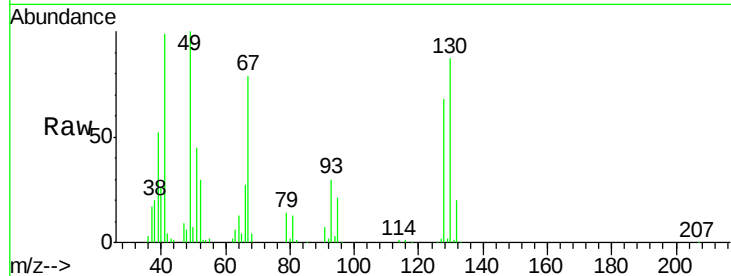
#41
Methacrylonitrile
Concen: 54.321 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	41.5	62.3	
67	81.0	65.0	97.6	
52	30.2	23.3	34.9	

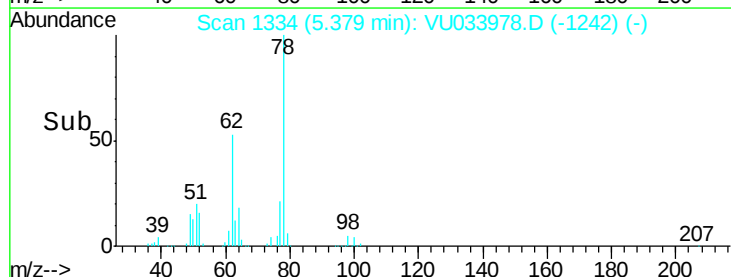
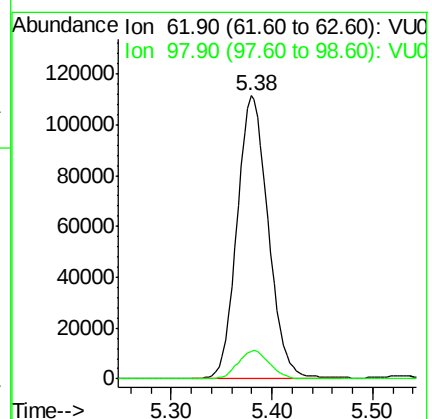
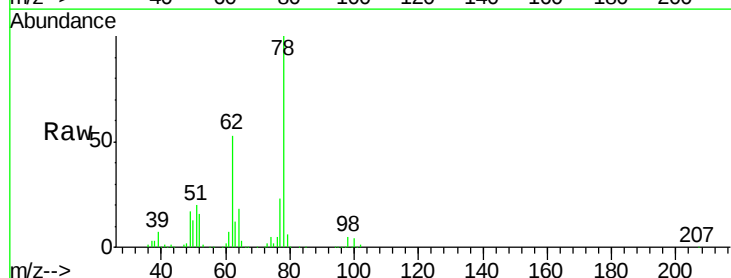
Manual Integrations
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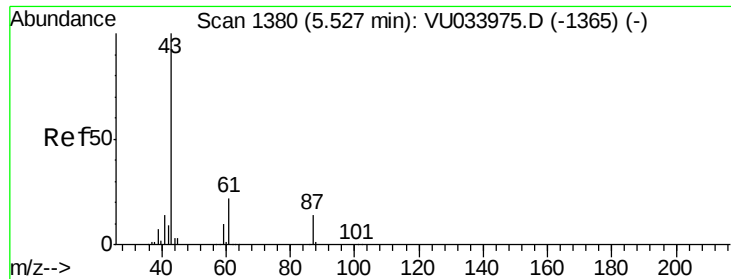
MMDadoda
8/28/2019 9:58:01 AM



#42
1,2-Dichloroethane
Concen: 49.283 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.0	





#43

Isopropyl Acetate

Concen: 52.863 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

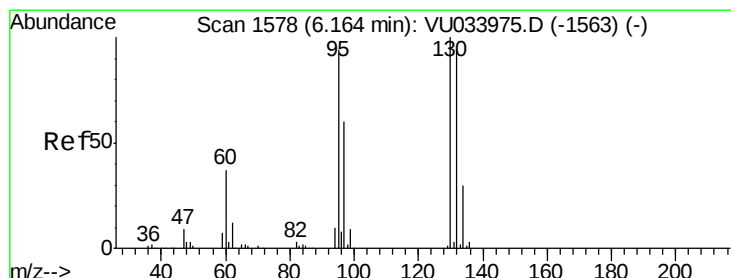
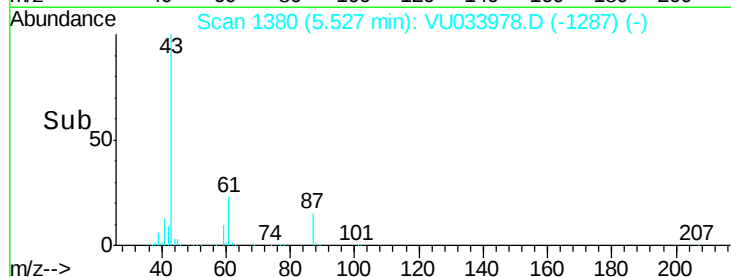
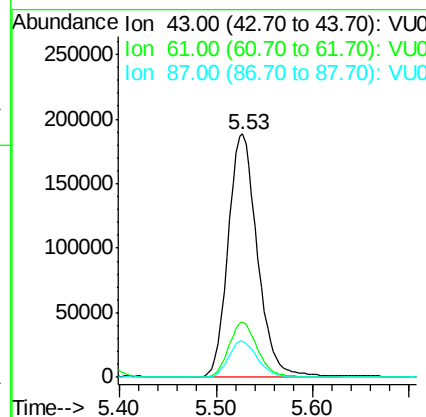
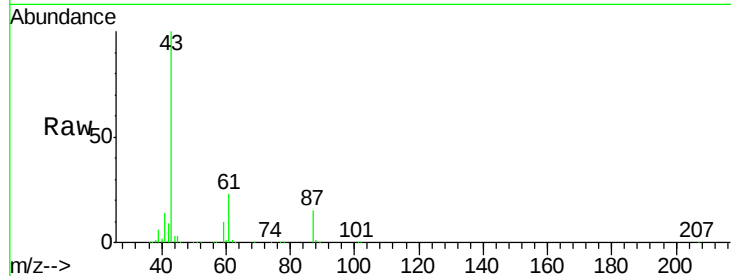
ClientSampleId :

ICVVU082819

Tot Ion:	43	Resp:	393332
Ion	Ratio	Lower	Upper
43	100		
61	22.4	17.8	26.8
87	14.9	11.9	17.9

Manual Integrations
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8/28/2019 9:58:01 AM



#44

Trichloroethene

Concen: 49.884 ug/l

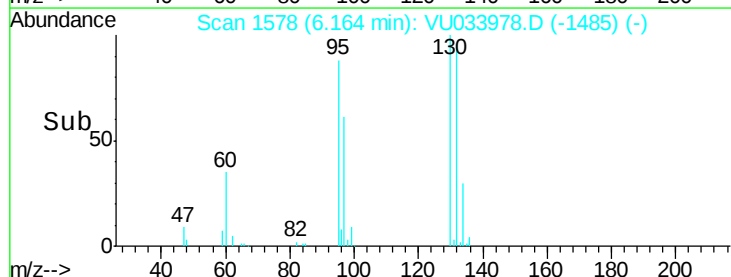
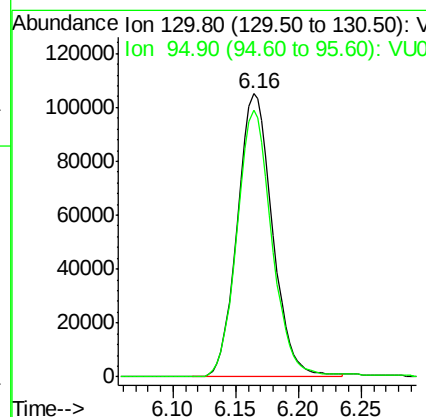
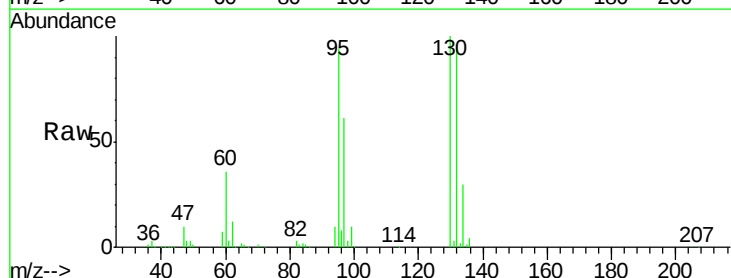
RT: 6.16 min Scan# 1578

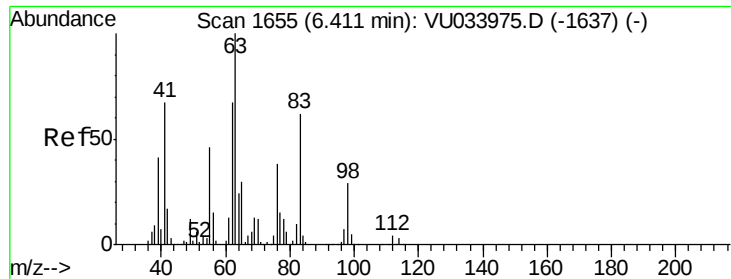
Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Tgt Ion:	130	Resp:	204603
Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	187.6





#45

1,2-Dichloropropane

Concen: 50.375 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082819

Tot Ion: 63 Resp: 193869

Ion Ratio Lower Upper

63 100

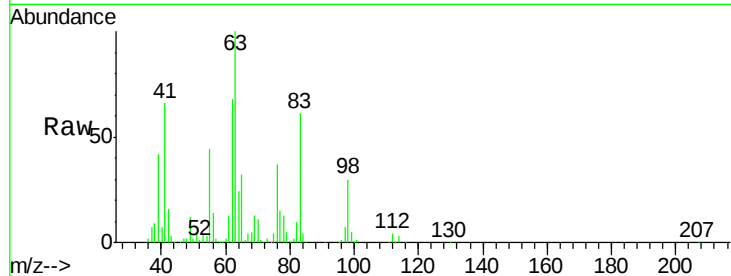
65 31.9 24.3 36.5

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Abundance Ion 62.90 (62.60 to 63.60): VU033978.D (-1637) (-)

Ion 64.90 (64.60 to 65.60): VU033978.D (-1637) (-)

6.41

100000

80000

60000

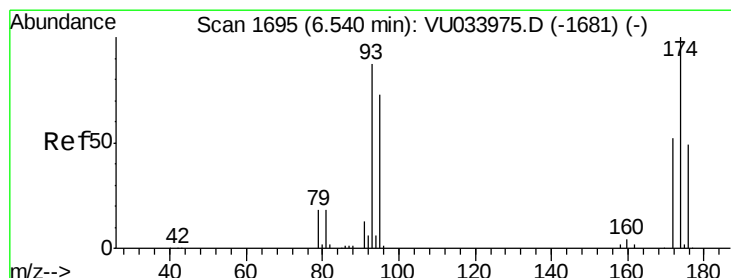
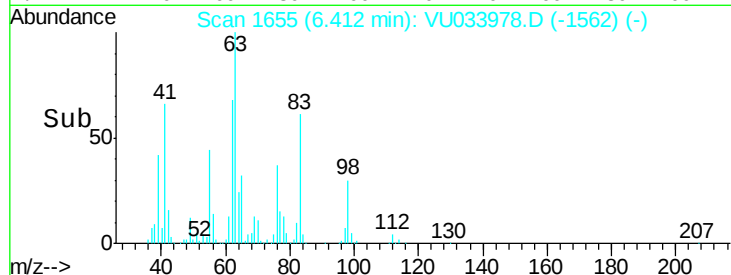
40000

20000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 50.097 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

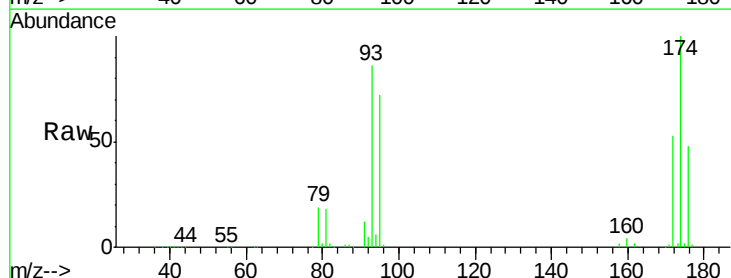
Tgt Ion: 93 Resp: 131119

Ion Ratio Lower Upper

93 100

95 83.9 66.2 99.4

174 115.4 92.2 138.2



Abundance Ion 92.80 (92.50 to 93.50): VU033978.D (-1681) (-)

Ion 94.80 (94.50 to 95.50): VU033978.D (-1681) (-)

Ion 173.70 (173.40 to 174.40): VU033978.D (-1681) (-)

6.54

100000

80000

60000

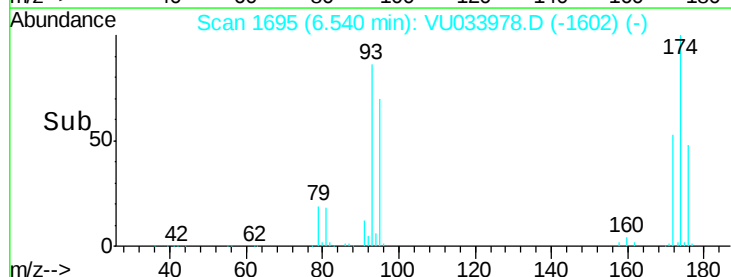
40000

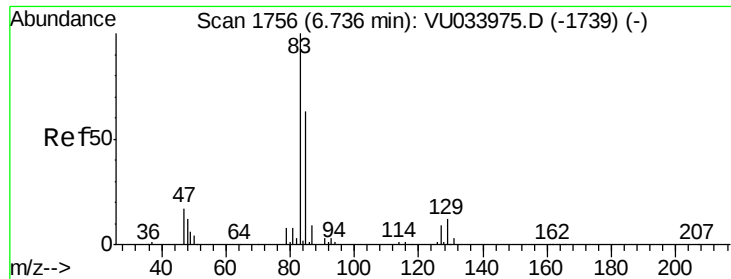
20000

0

6.50 6.60

Time-->





#47

Bromodichloromethane

Concen: 50.671 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

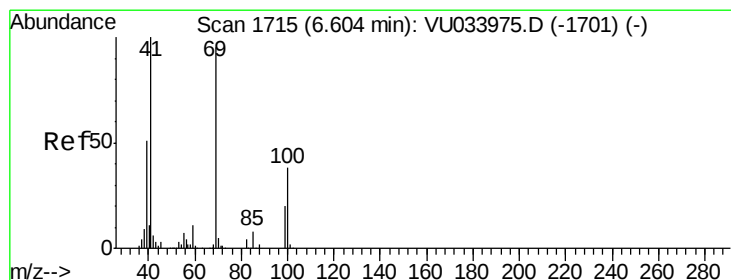
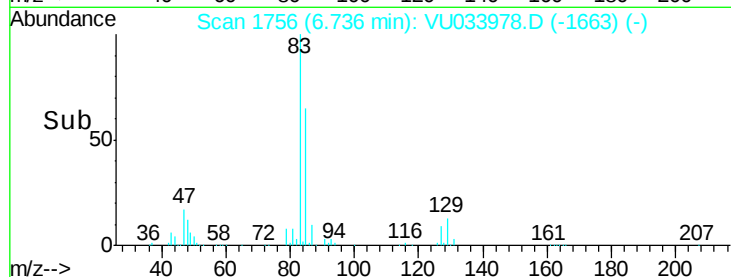
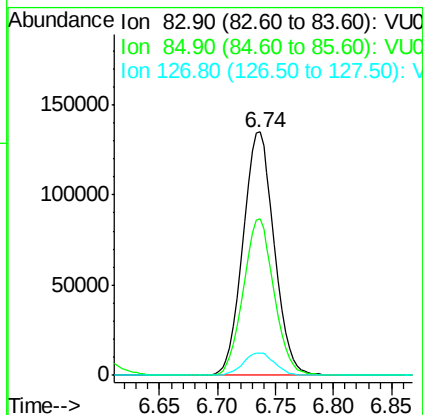
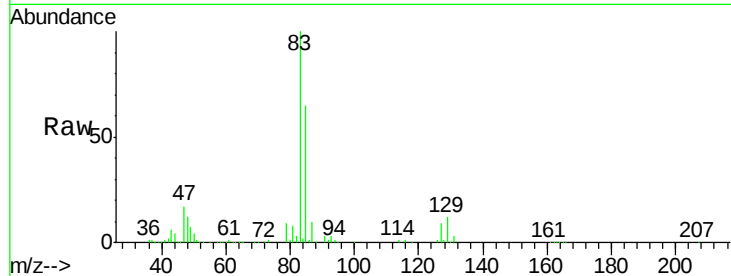
ClientSampleId :

ICVVU082819

Tot Ion:	83	Resp:	252597
Ion Ratio	Lower	Upper	
83	100		
85	64.4	50.6	76.0
127	9.3	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.943 ug/l

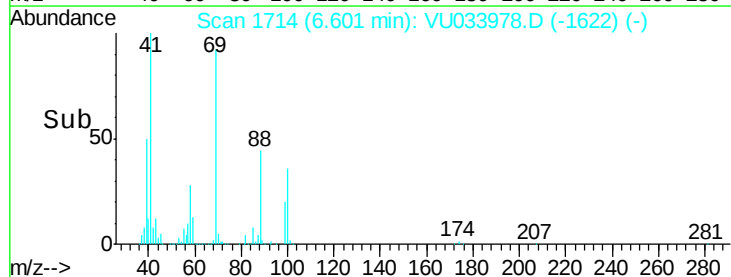
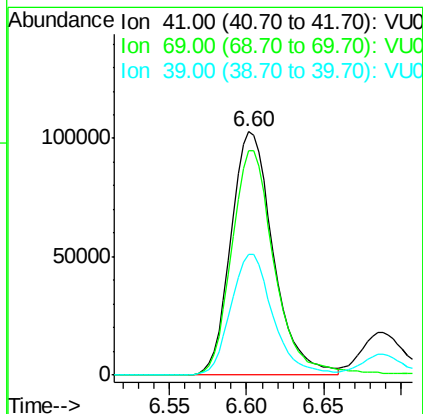
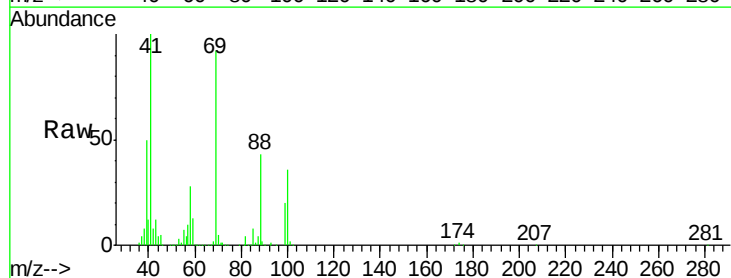
RT: 6.60 min Scan# 1714

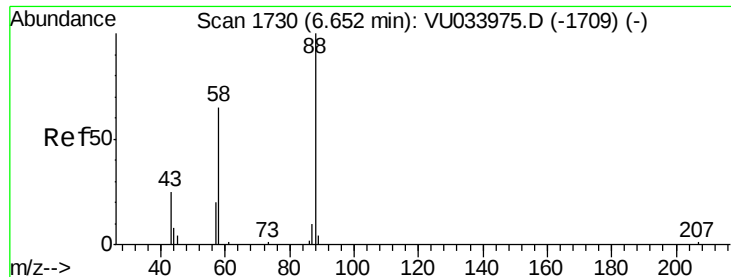
Delta R.T. -0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Tgt Ion:	41	Resp:	194371
Ion Ratio	Lower	Upper	
41	100		
69	94.7	76.3	114.5
39	49.1	41.1	61.7





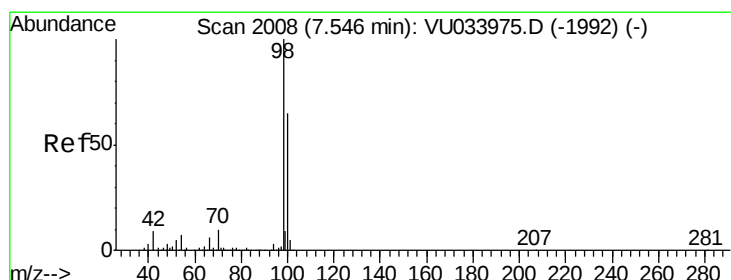
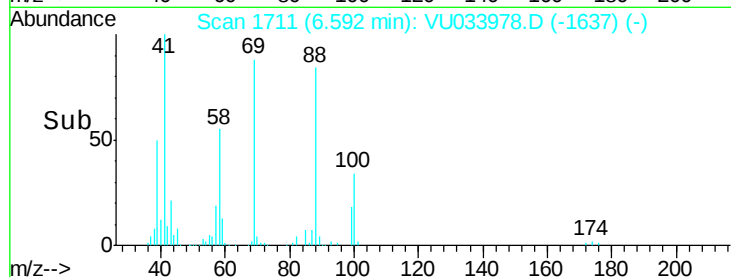
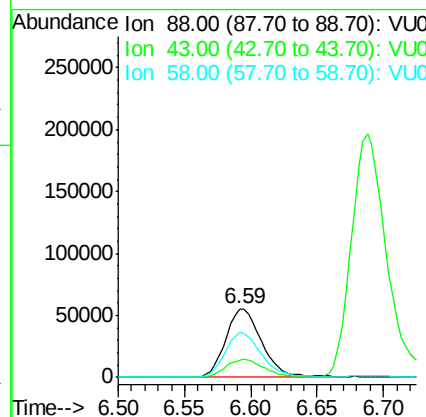
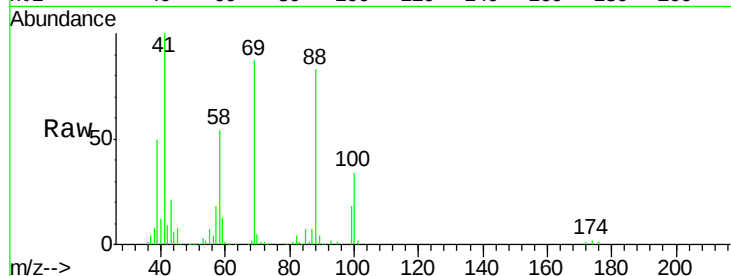
#49
1,4-Dioxane
Concen: 1069.228 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.06 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	28.2	0.0	0.0	#
58	67.4	56.6		85.0

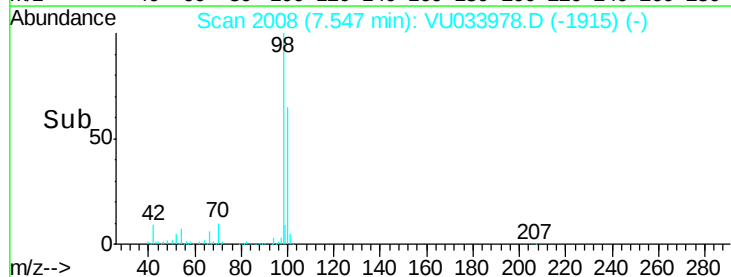
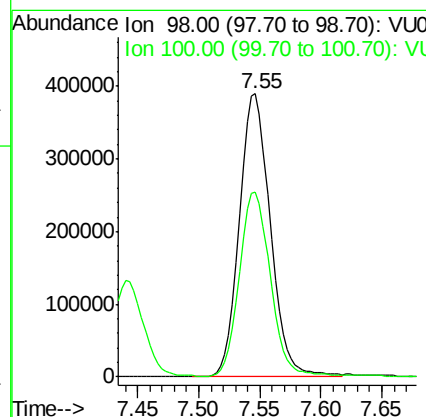
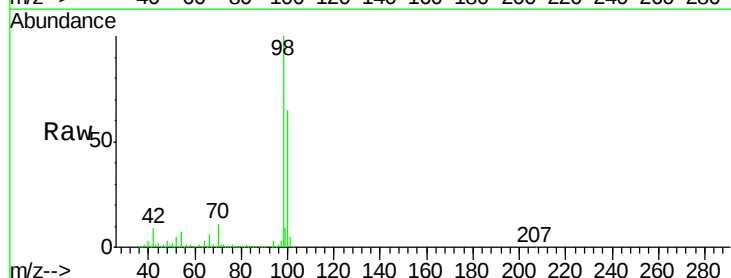
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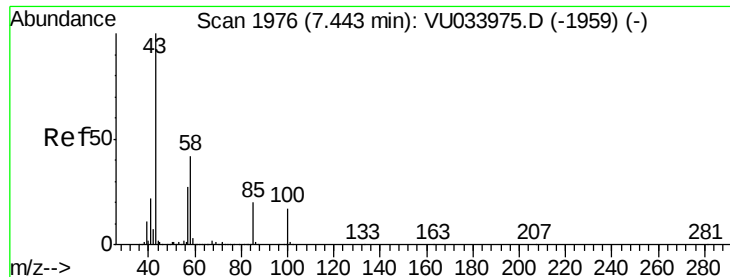
MMDadoda
8/28/2019 9:58:01 AM



#50
Toluene-d8
Concen: 52.533 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.9	51.5		77.3





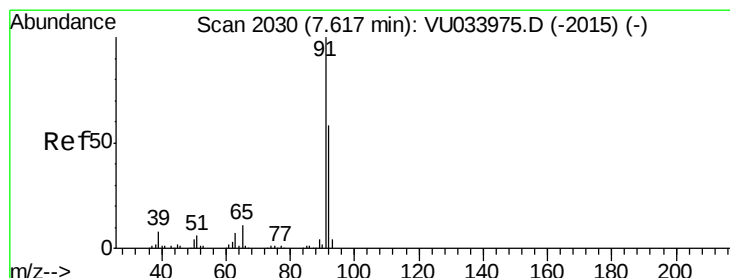
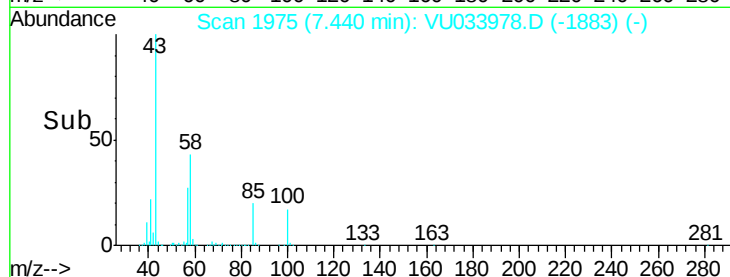
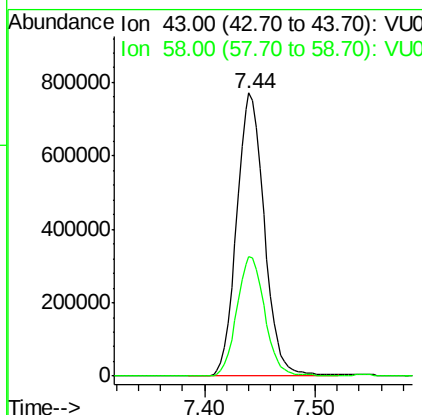
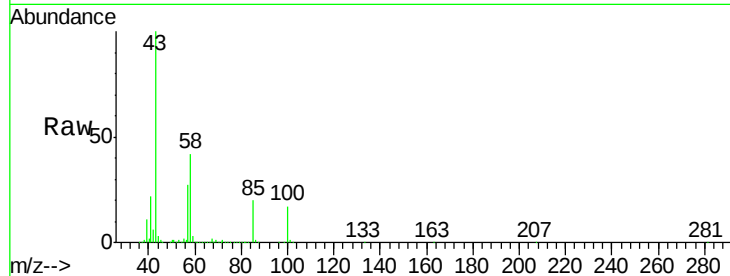
#51
 4-Methyl-2-Pentanone
 Concen: 261.368 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082819

Tot Ion: 43 Resp: 1340860
 Ion Ratio Lower Upper
 43 100
 58 42.7 33.6 50.4

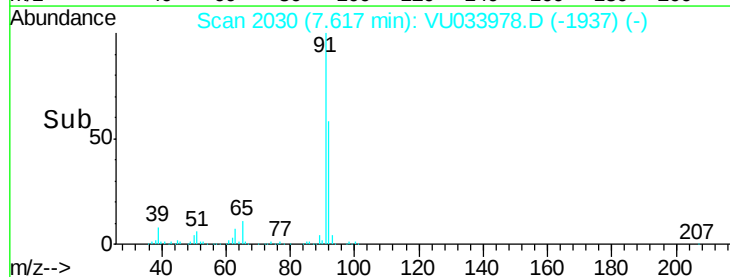
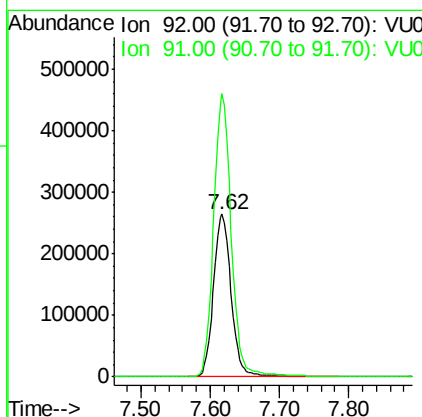
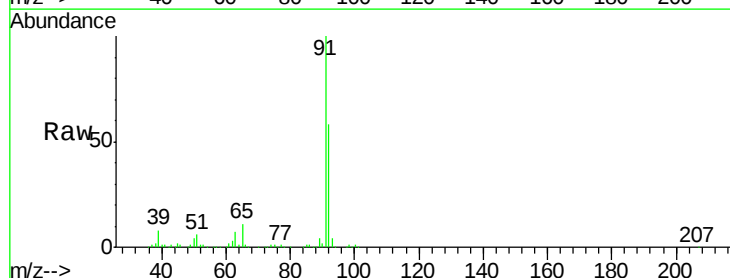
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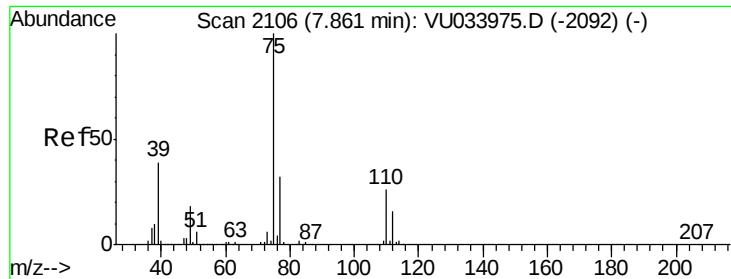
MMDadoda
 8/28/2019 9:58:01 AM



#52
 Toluene
 Concen: 51.992 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Tgt Ion: 92 Resp: 471597
 Ion Ratio Lower Upper
 92 100
 91 172.6 138.8 208.2





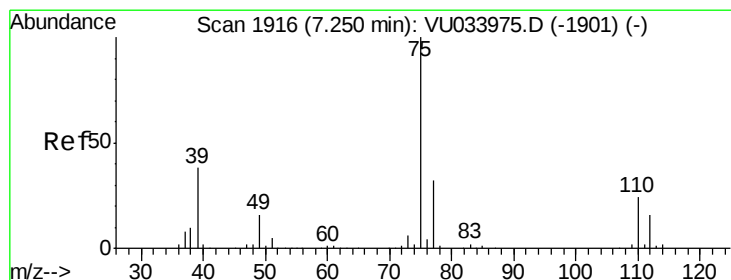
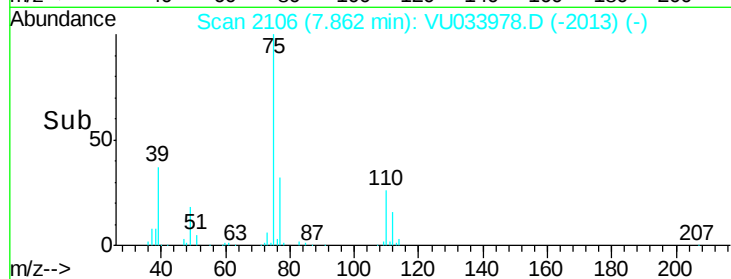
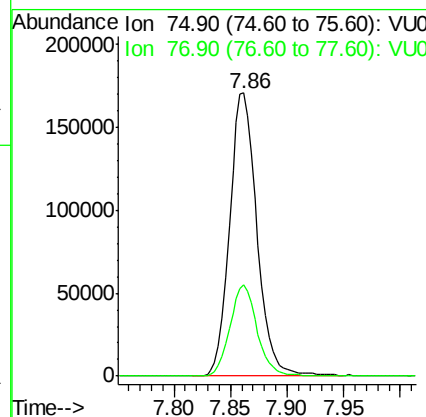
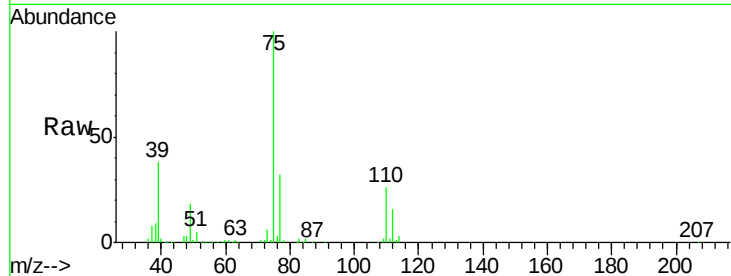
#53
 t-1,3-Dichloropropene
 Concen: 52.143 ug/l
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082819

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.2

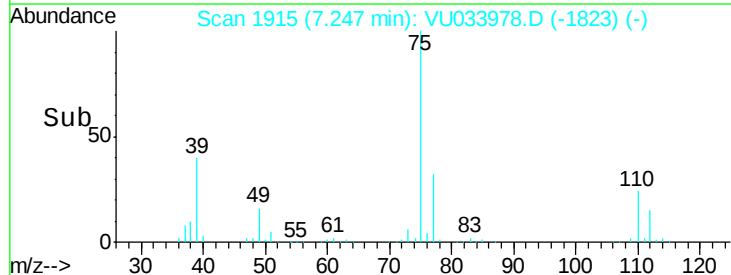
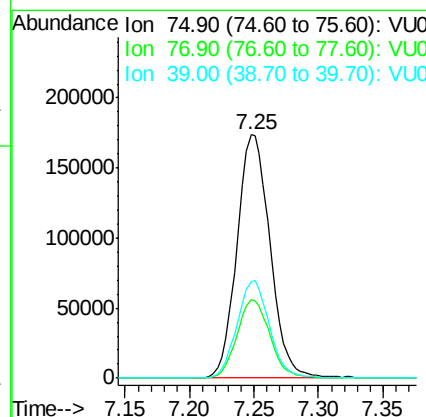
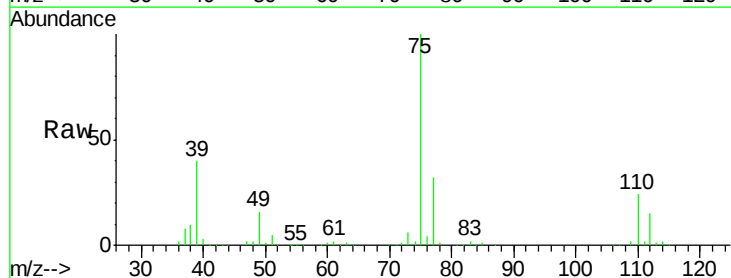
Manual Integrations
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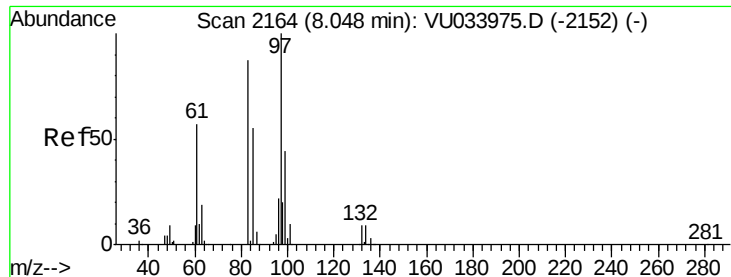
MMDadoda
 8/28/2019 9:58:01 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.085 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4
39	39.7	30.7	46.1





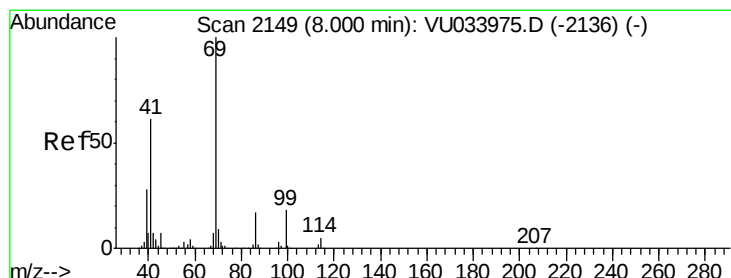
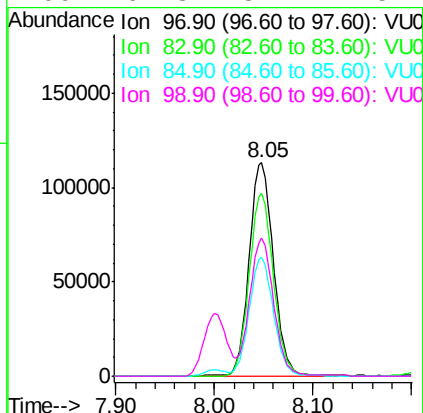
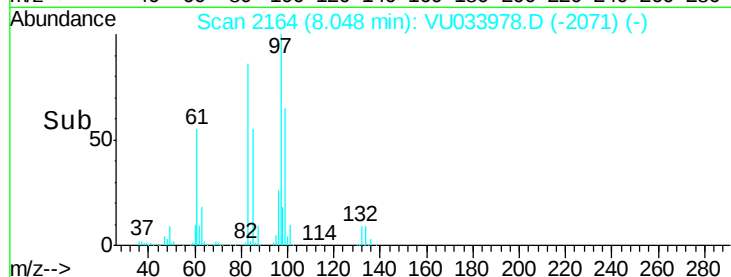
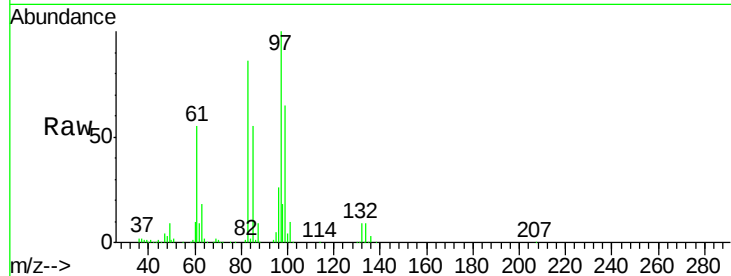
#55
 1,1,2-Trichloroethane
 Concen: 50.372 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082819

Tot Ion	97	Resp	193060
Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.8	104.6
85	55.4	45.2	67.8
99	64.3	52.2	78.4

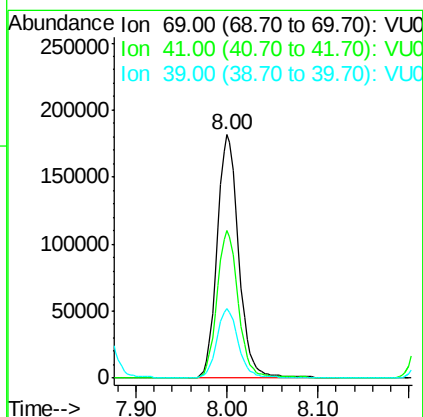
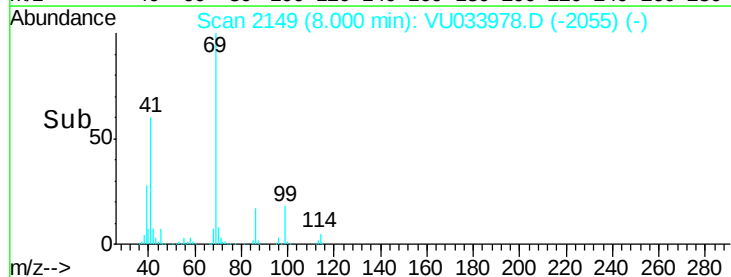
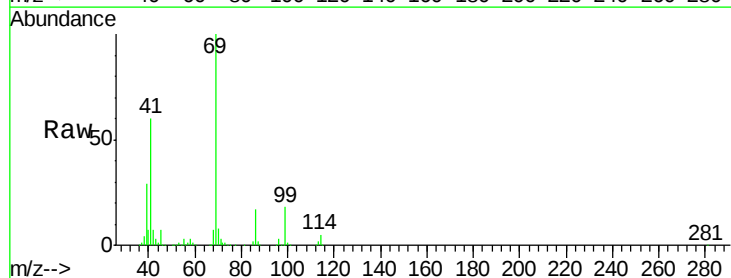
Manual Integrations
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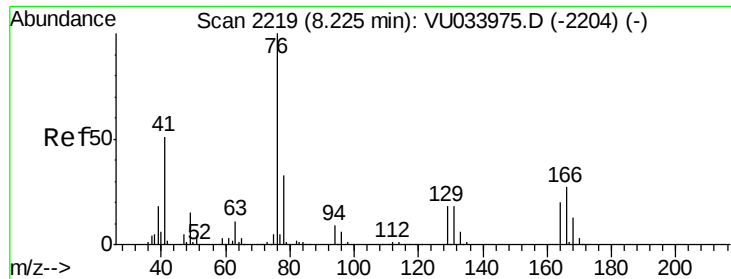
MMDadoda
 8/28/2019 9:58:01 AM



#56
 Ethyl methacrylate
 Concen: 49.675 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Tgt Ion	69	Resp	300041
Ion	Ratio	Lower	Upper
69	100		
41	59.8	48.6	72.8
39	28.1	22.4	33.6





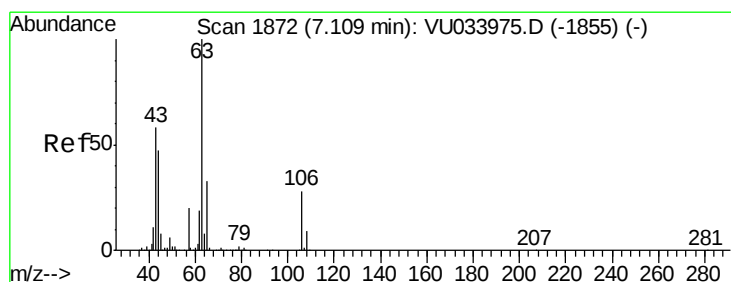
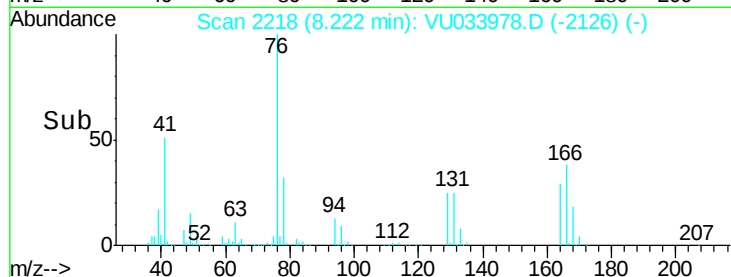
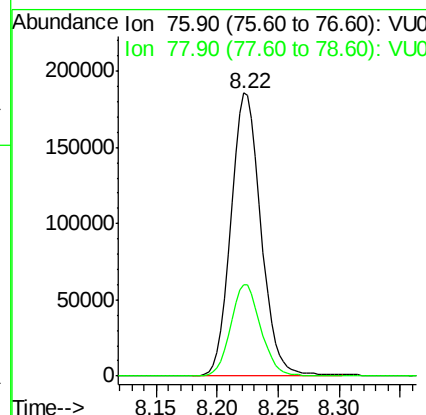
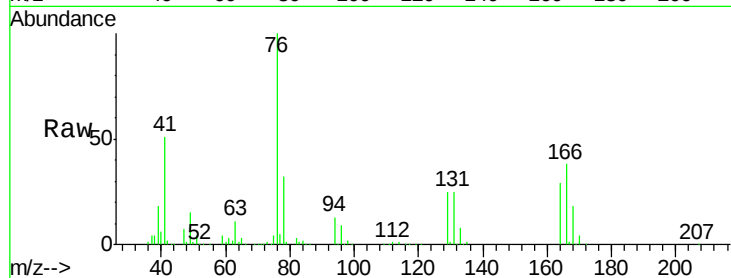
#57
 1,3-Dichloropropane
 Concen: 51.380 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082819

Tot Ion: 76 Resp: 320928
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5

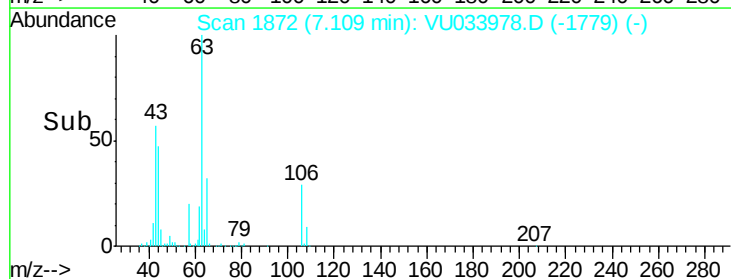
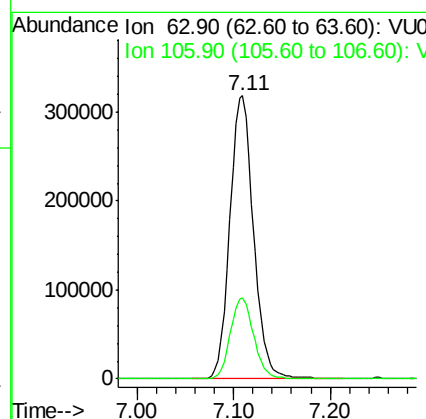
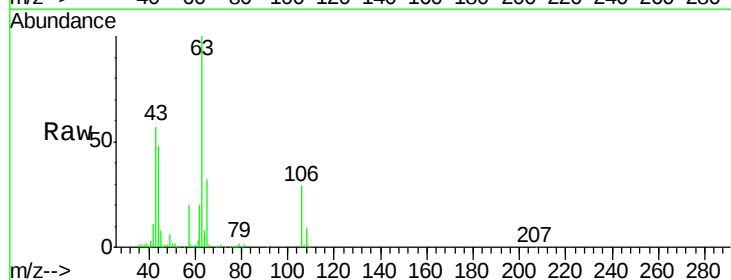
Manual Integrations
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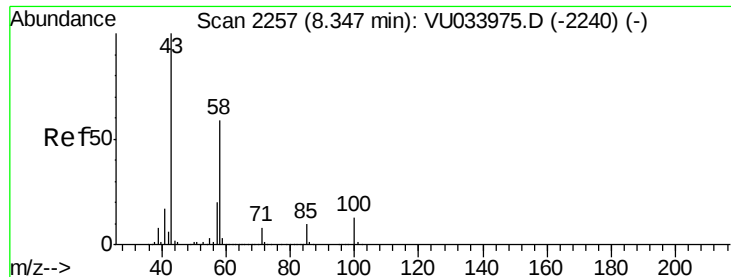
MMDadoda
 8/28/2019 9:58:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.361 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Tgt Ion: 63 Resp: 540977
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.4 33.6





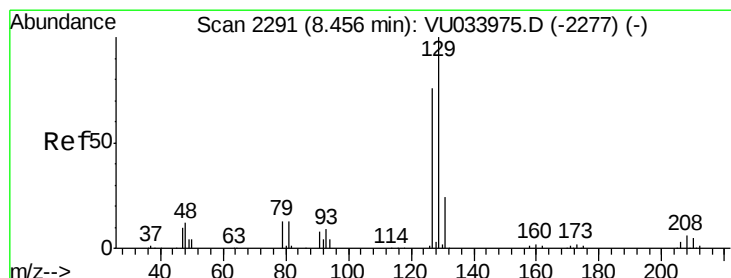
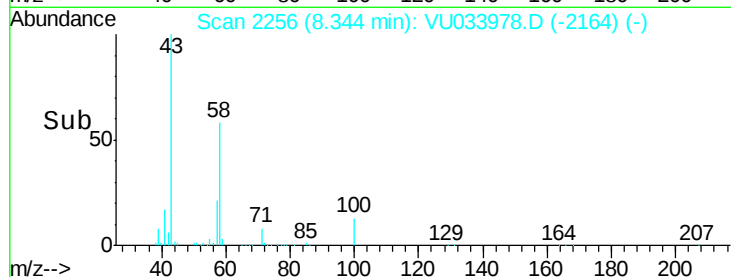
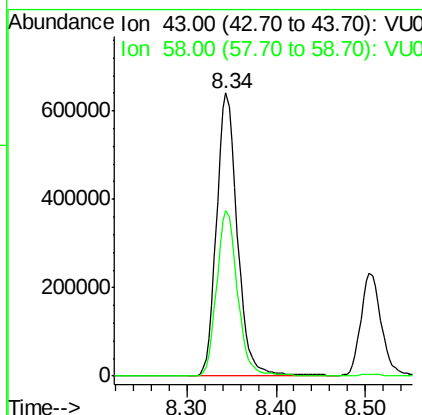
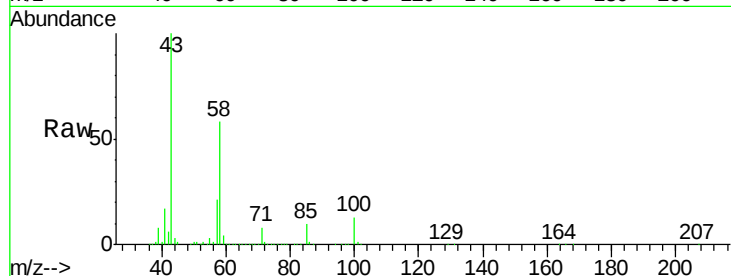
#59
2-Hexanone
Concen: 263.806 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion: 43 Resp: 1040252
Ion Ratio Lower Upper
43 100
58 58.7 29.5 88.6

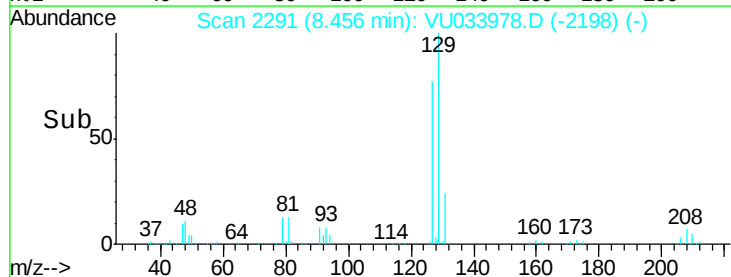
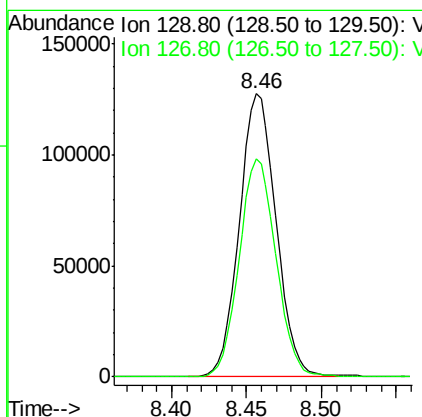
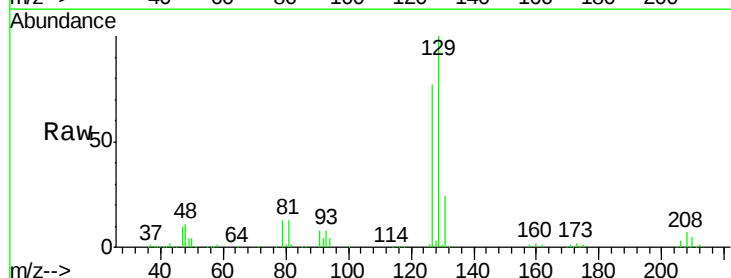
Manual Integrations
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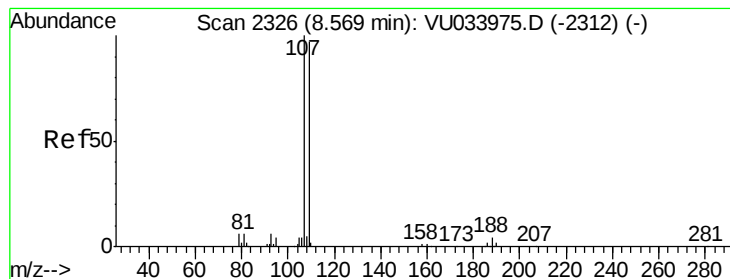
MMDadoda
8/28/2019 9:58:01 AM



#60
Dibromochloromethane
Concen: 50.605 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion: 129 Resp: 218108
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.4





#61

1,2-Dibromoethane

Concen: 51.227 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082819

Tot Ion: 107 Resp: 207355

Ion Ratio Lower Upper

107 100

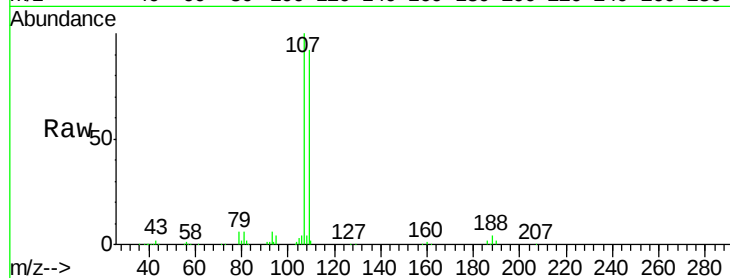
109 93.8 75.7 113.5

Manual Integrations

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8/28/2019 9:58:01 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

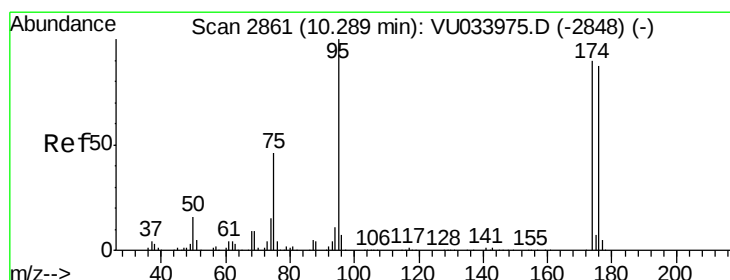
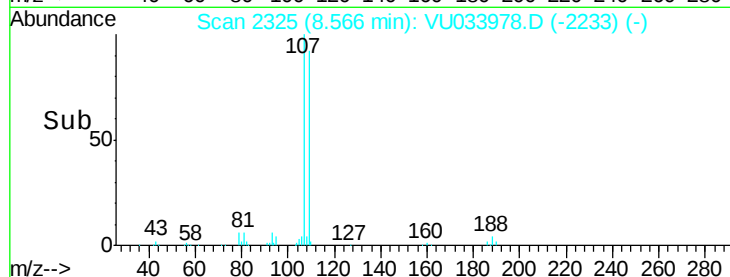
8.57

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.177 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

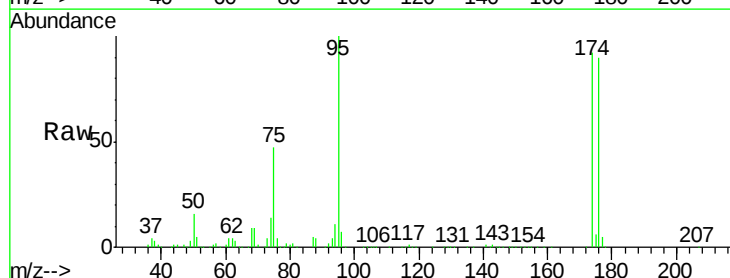
Tgt Ion: 95 Resp: 262134

Ion Ratio Lower Upper

95 100

174 91.1 0.0 183.8

176 88.9 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

10.29

200000

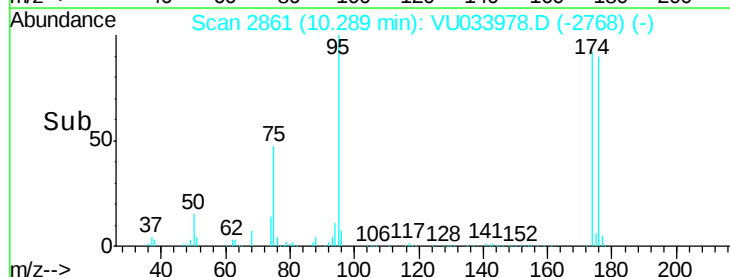
150000

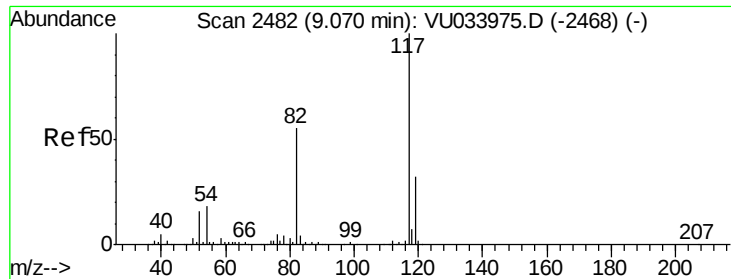
100000

50000

0

Time-->





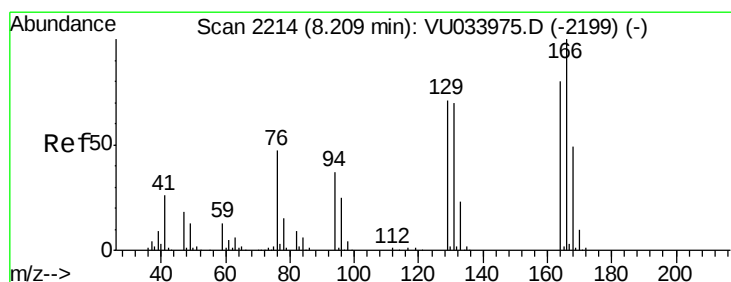
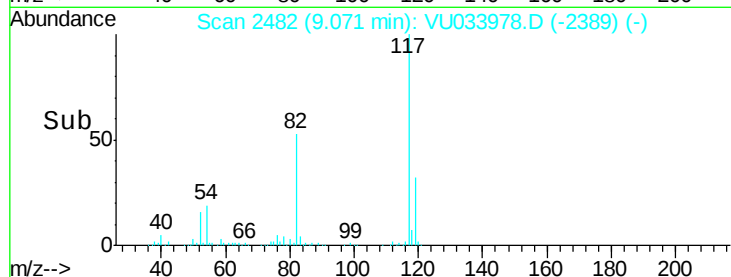
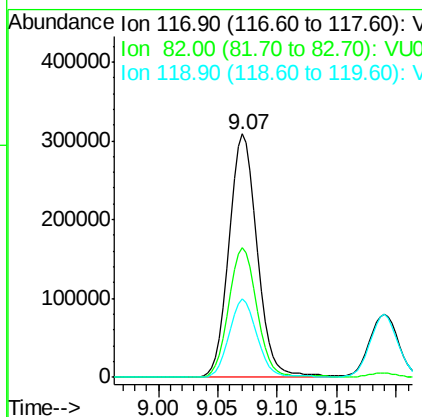
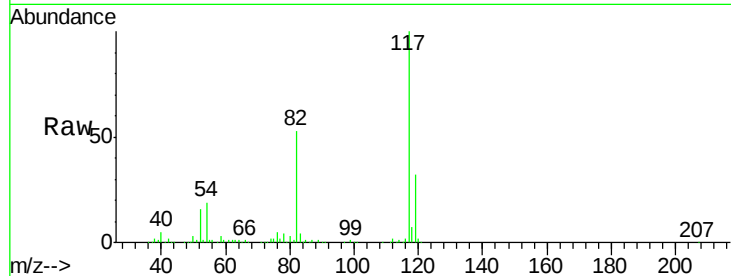
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion	Ratio	Resp	Lower	Upper
117	100	509425		
82	53.2		43.8	65.8
119	32.1		25.7	38.5

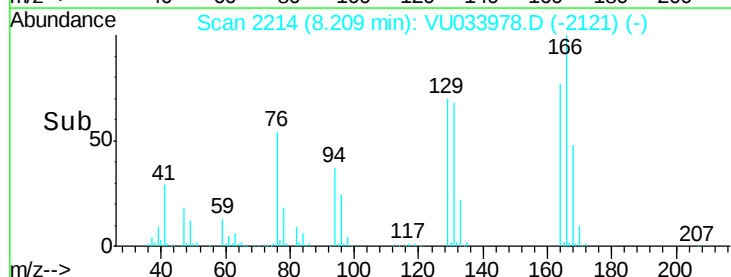
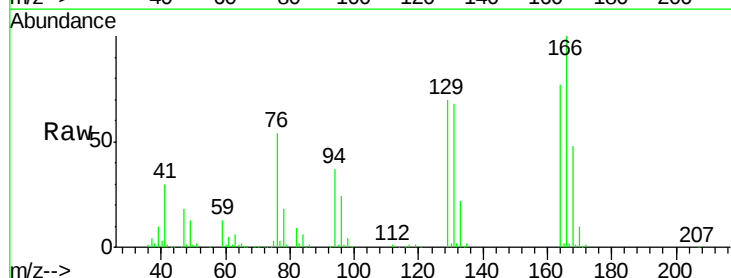
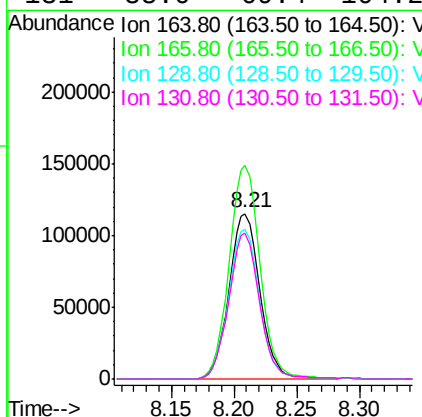
Manual Integrations
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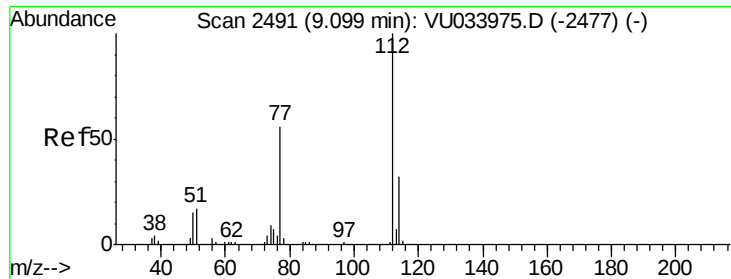
MMDadoda
8/28/2019 9:58:01 AM



#64
Tetrachloroethene
Concen: 48.233 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	197562		
166	129.1		99.5	149.3
129	90.4		70.9	106.3
131	88.0		69.4	104.2





#65

Chlorobenzene

Concen: 50.421 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082819

Tot Ion:112 Resp: 528903

Ion Ratio Lower Upper

112 100

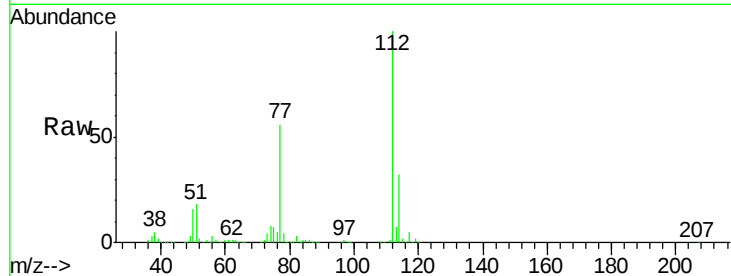
114 32.2 25.8 38.8

Manual Integrations

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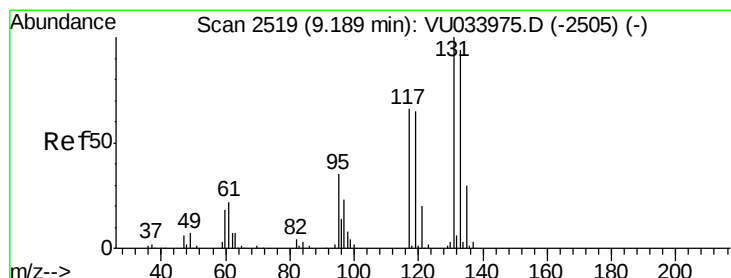
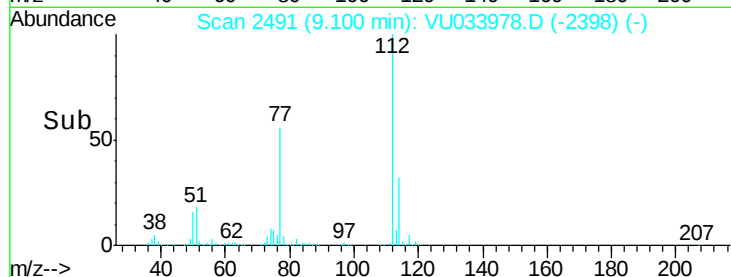
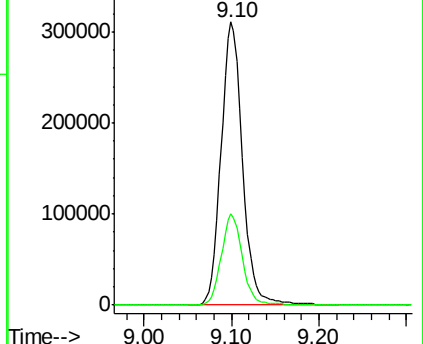
MMDadoda

8/28/2019 9:58:01 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: 49.668 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

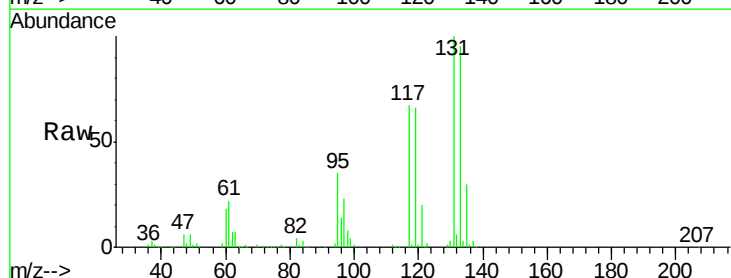
Tgt Ion:131 Resp: 194253

Ion Ratio Lower Upper

131 100

133 95.4 47.6 142.9

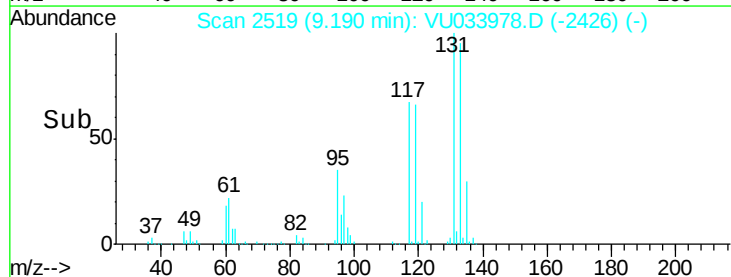
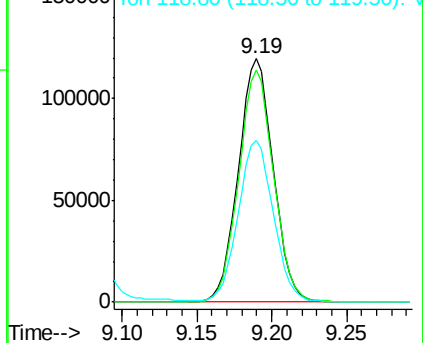
119 66.7 33.0 98.9

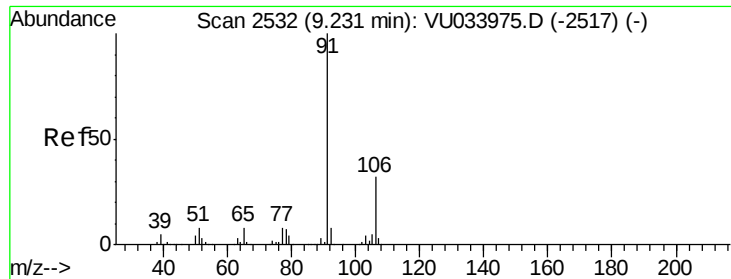


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





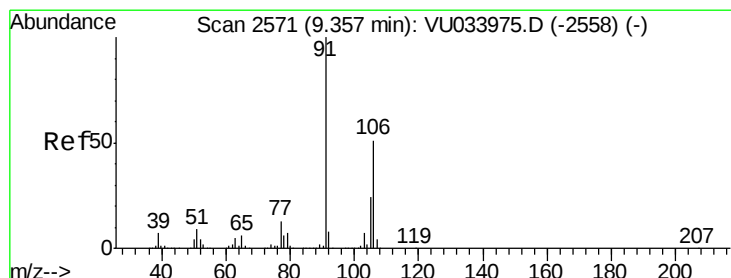
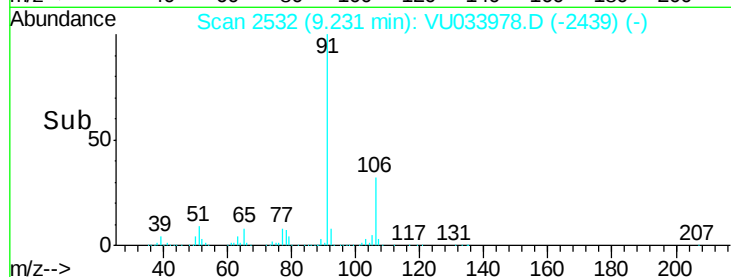
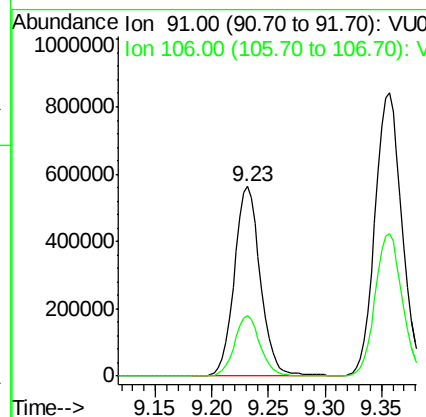
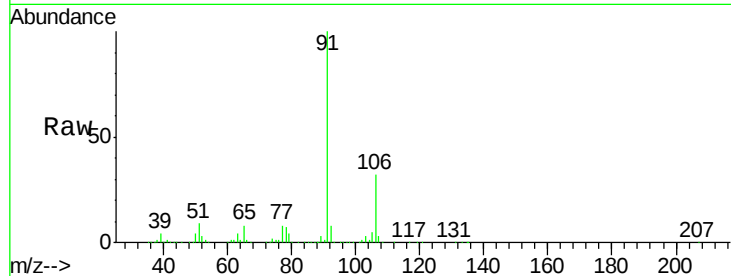
#67
Ethyl Benzene
Concen: 51.815 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.4	38.0

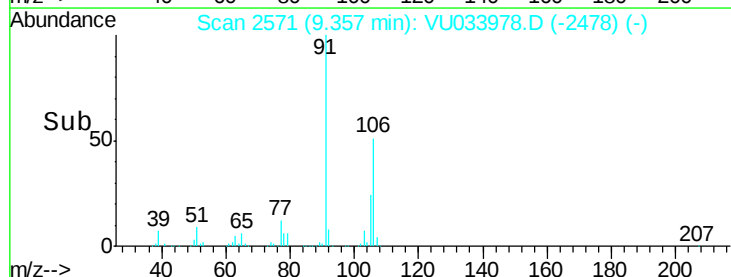
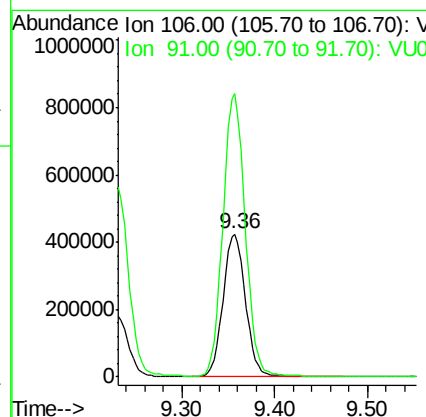
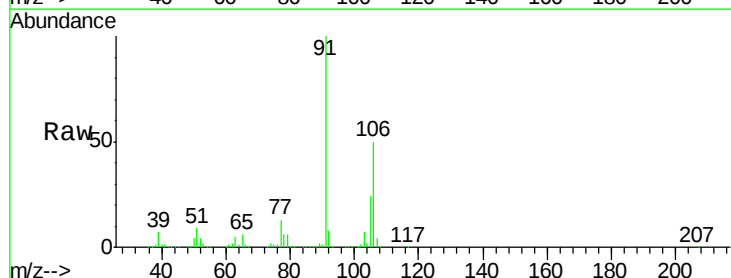
Manual Integrations
APPROVED

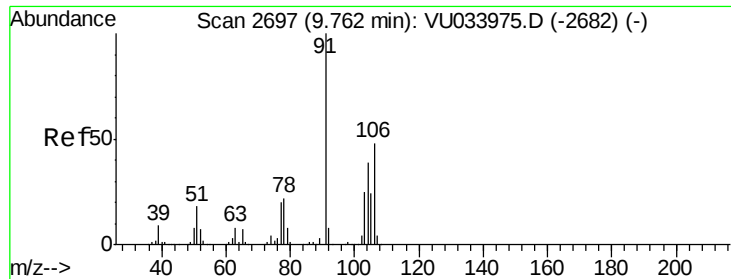
MMDadoda
8/28/2019 9:58:01 AM



#68
m/p-Xylenes
Concen: 105.208 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.1	158.4	237.6





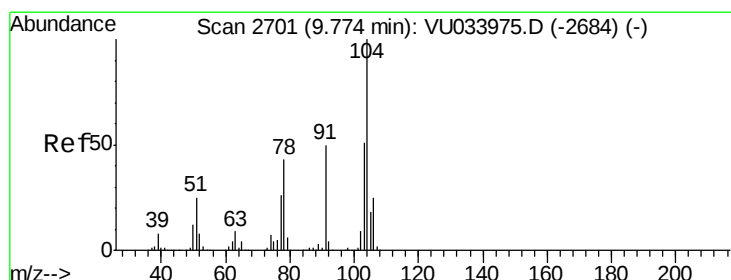
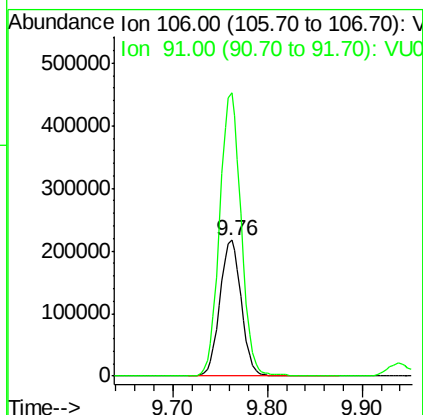
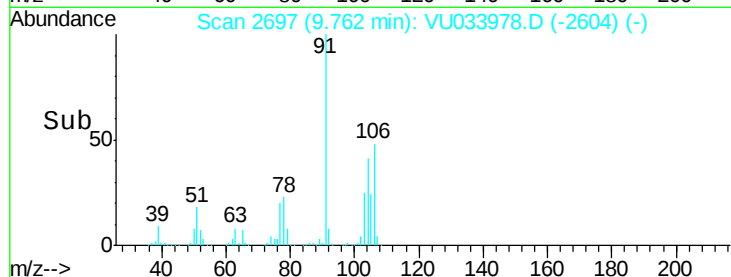
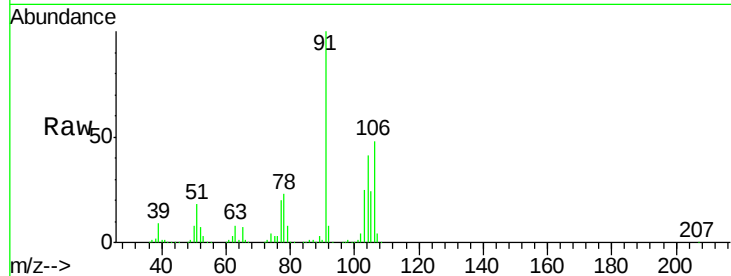
#69
o-Xylene
Concen: 53.156 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampled :
ICVVU082819

Tot Ion	Ratio	Resp	Lower	Upper
106	100	342794		
91	208.2	104.5	313.3	

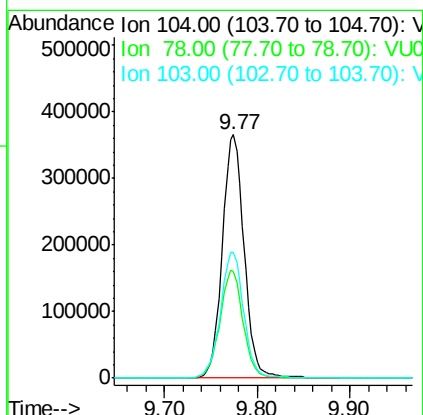
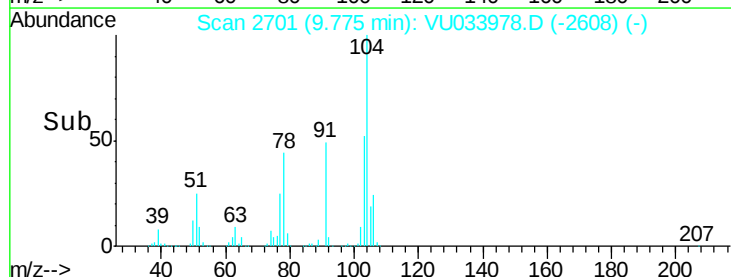
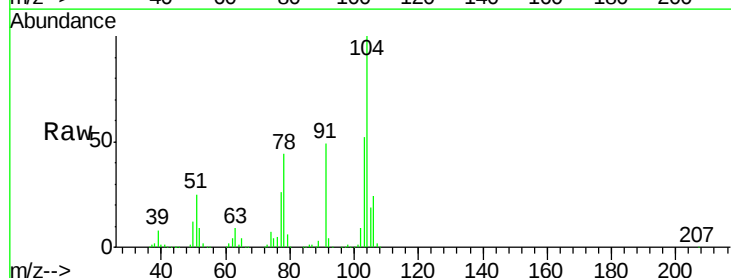
Manual Integrations
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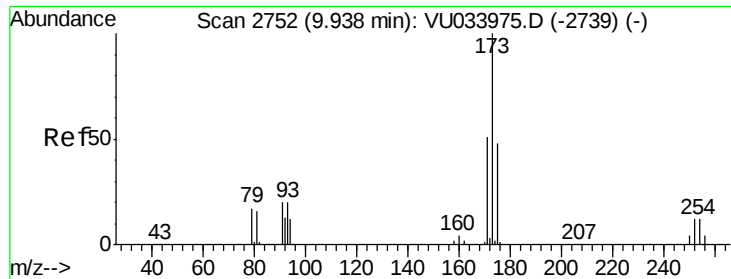
MMDadoda
8/28/2019 9:58:01 AM



#70
Styrene
Concen: 54.118 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	597319		
78	47.2	37.5	56.3	
103	55.1	43.9	65.9	





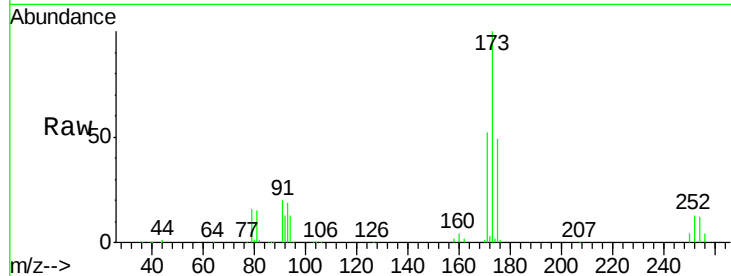
#71
Bromoform
Concen: 51.645 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

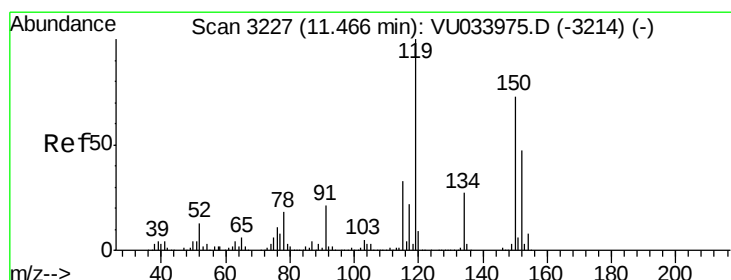
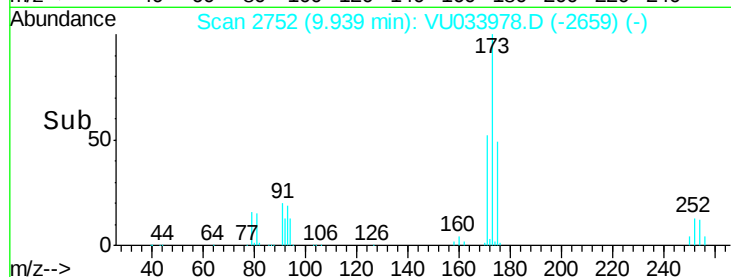
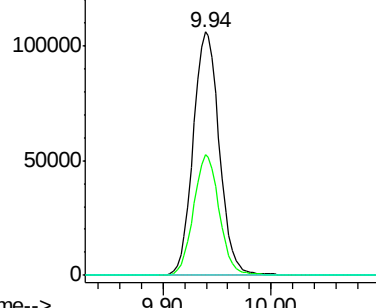
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.9
254	0.0	0.1	0.1#

Manual Integrations
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8/28/2019 9:58:01 AM

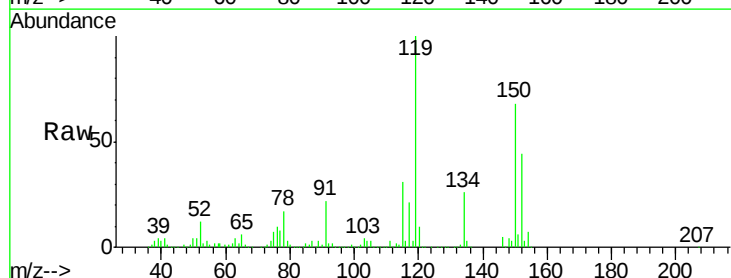


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

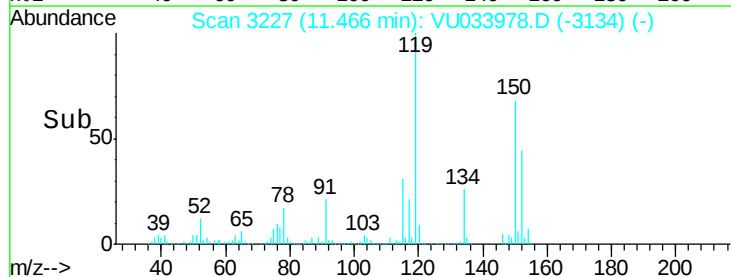
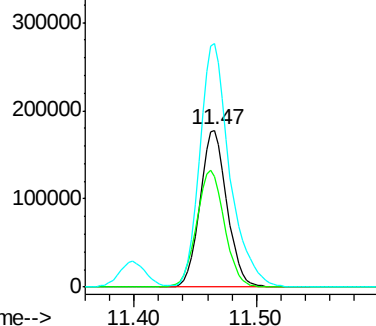


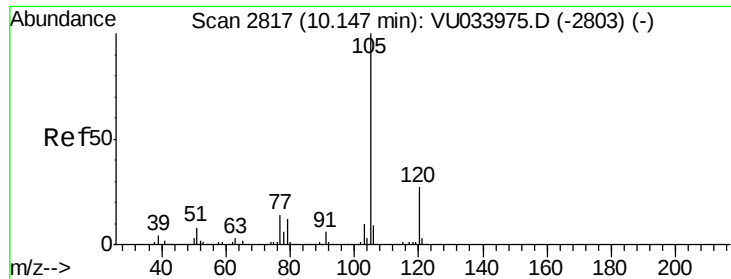
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.8	38.6	115.7
150	172.3	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





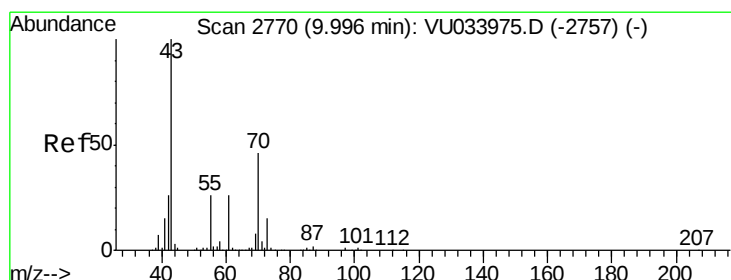
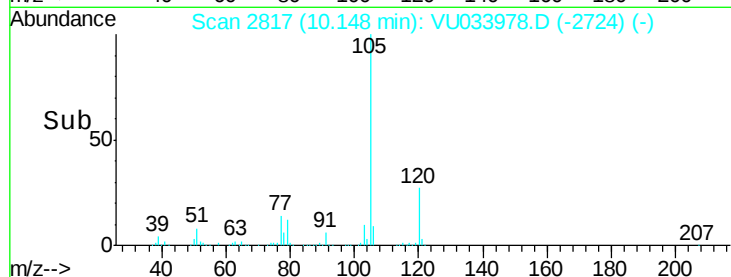
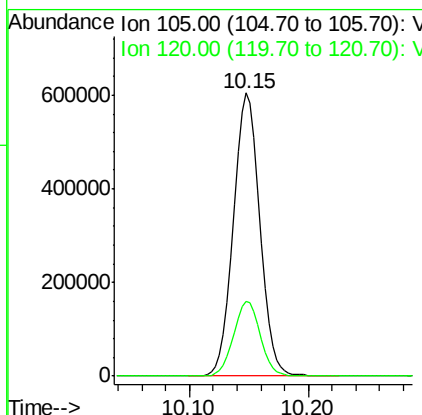
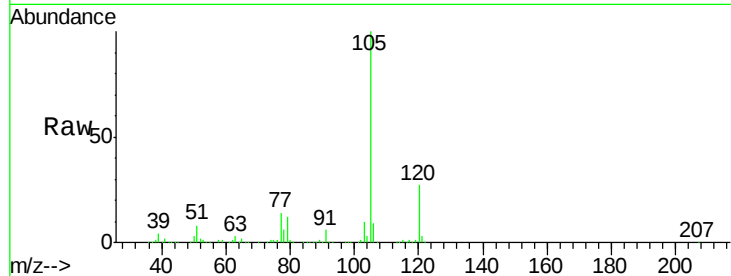
#73
Isopropylbenzene
Concen: 52.946 ug/l
RT: 10.15 min Scan# 2817
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion	Ratio	Resp	Lower	Upper
105	100	932000		
120	26.7	13.5	40.5	

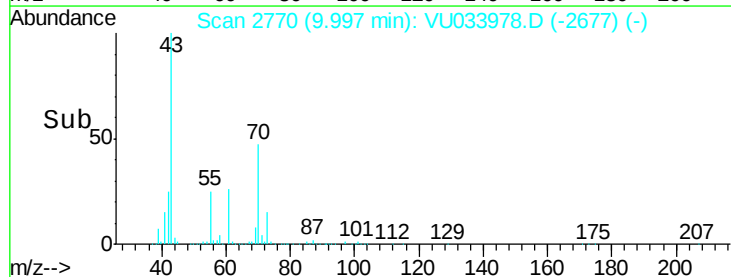
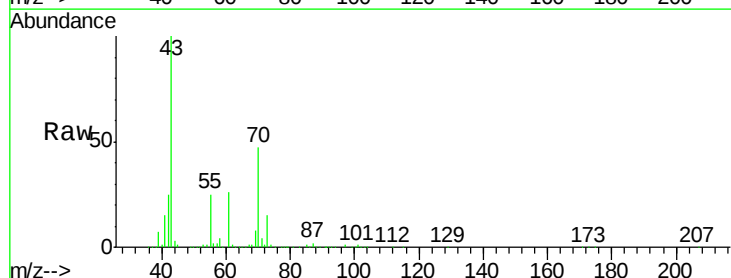
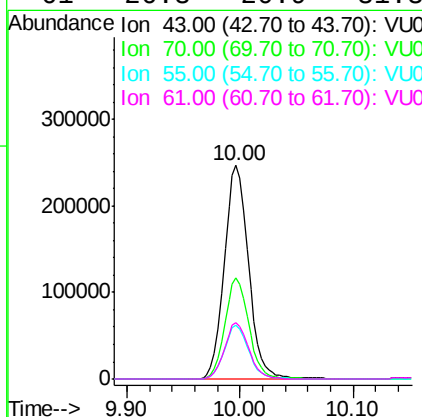
Manual Integrations
APPROVED

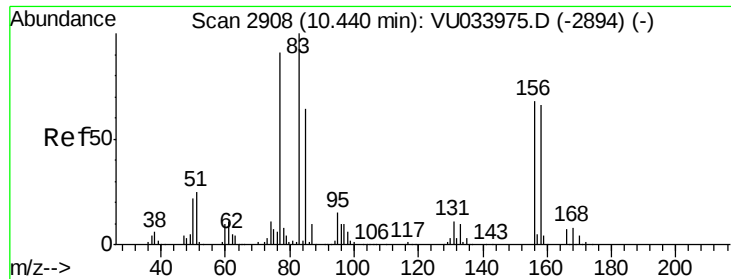
MMDadoda
8/28/2019 9:58:01 AM



#74
N-ethyl acetate
Concen: 55.650 ug/l
RT: 10.00 min Scan# 2770
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	367716		
70	47.0	37.4	56.0	
55	25.7	21.0	31.4	
61	26.3	20.9	31.3	





#75

1,1,2,2-Tetrachloroethane

Concen: 49.658 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082819

Tot Ion: 83 Resp: 314832

Ion Ratio Lower Upper

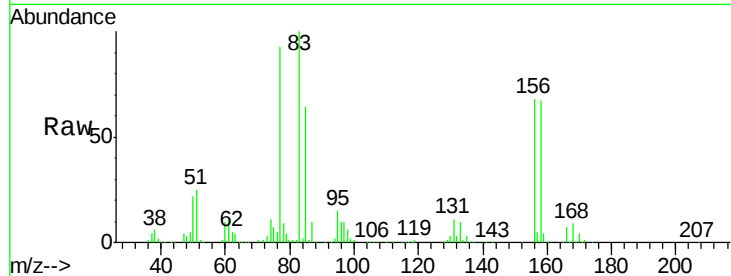
83 100

131 10.3 5.3 16.1

85 64.5 32.0 96.0

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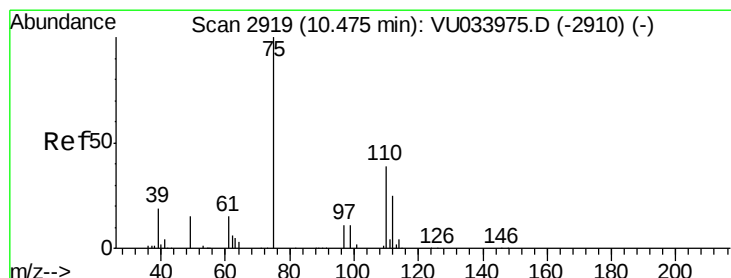
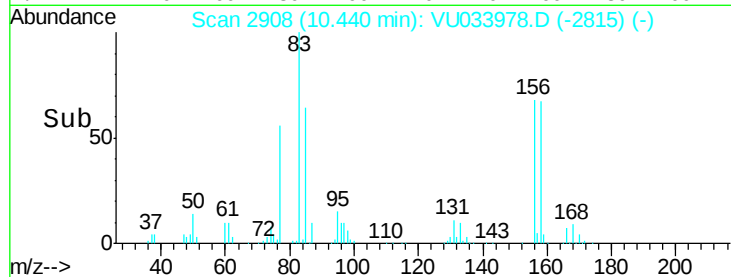
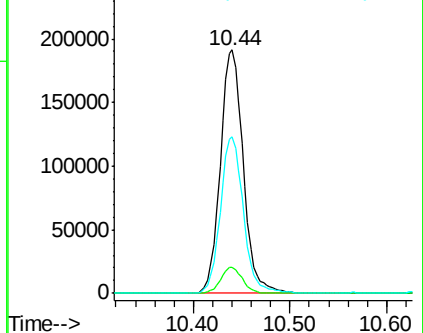
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Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 50.605 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033978.D

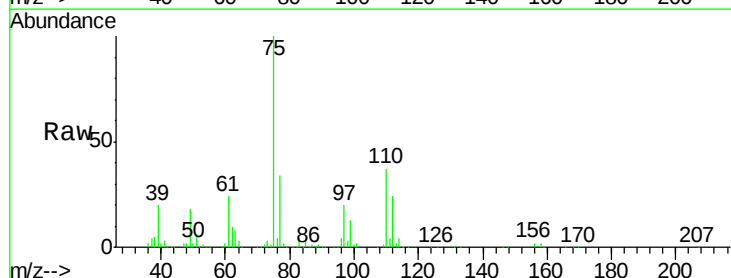
Acq: 27 Aug 2019 17:06

Tgt Ion: 75 Resp: 275776

Ion Ratio Lower Upper

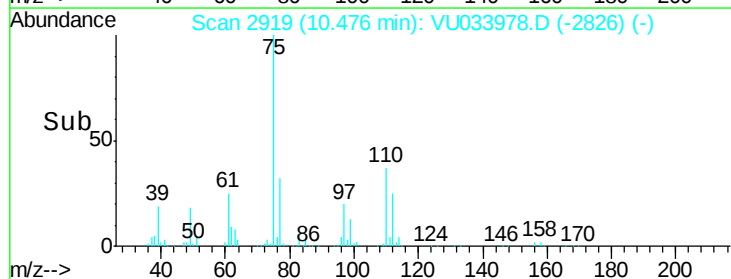
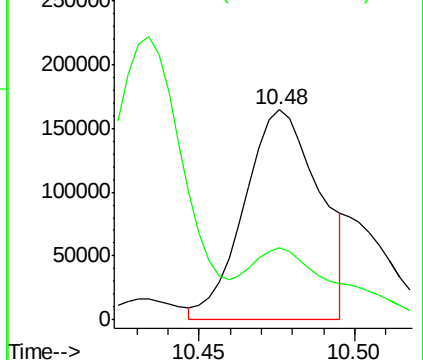
75 100

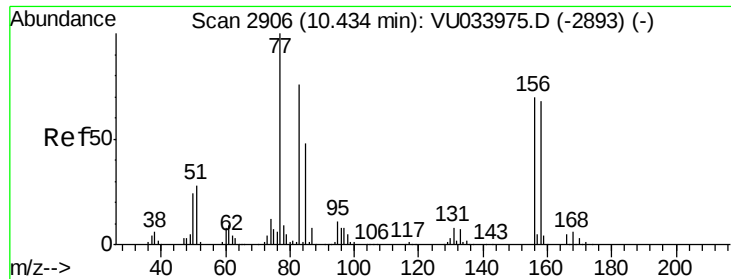
77 42.5 21.0 63.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 50.332 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

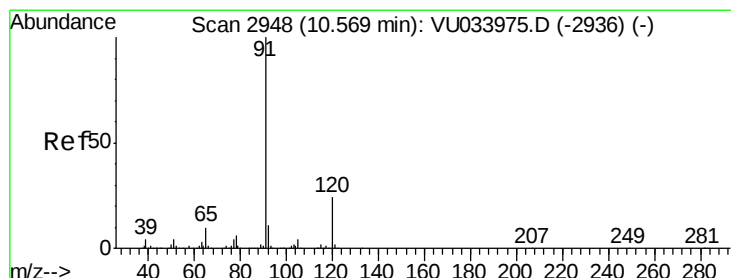
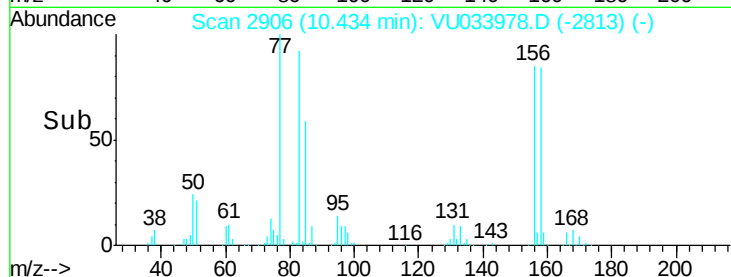
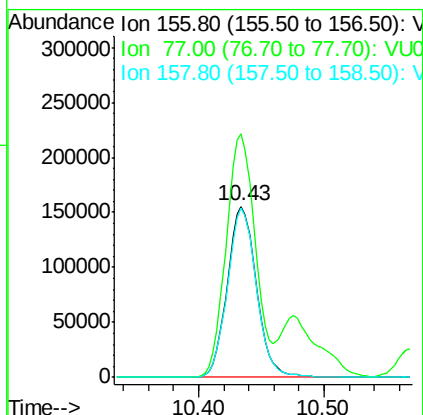
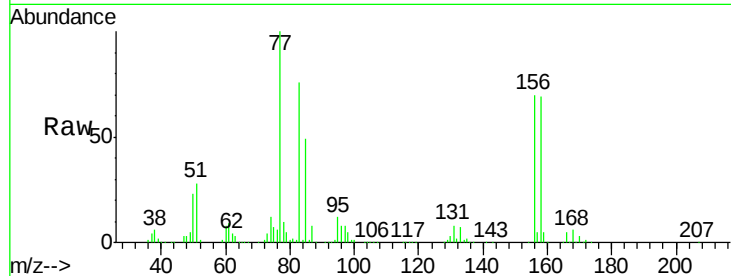
ClientSampleId :

ICVVU082819

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	143.3		70.3	211.1	
158	98.4		48.3	144.8	

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#78

n-propylbenzene

Concen: 53.304 ug/l

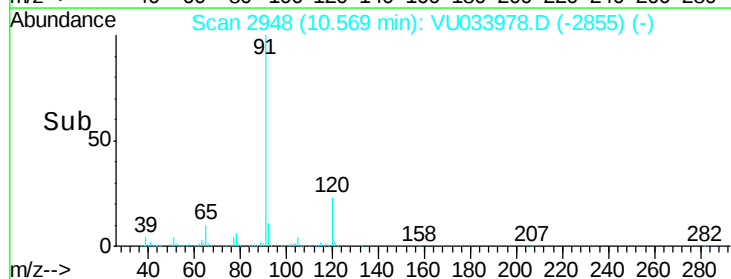
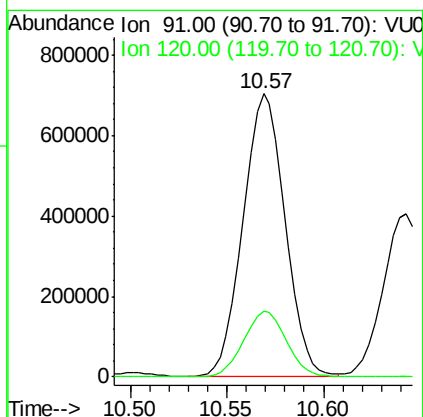
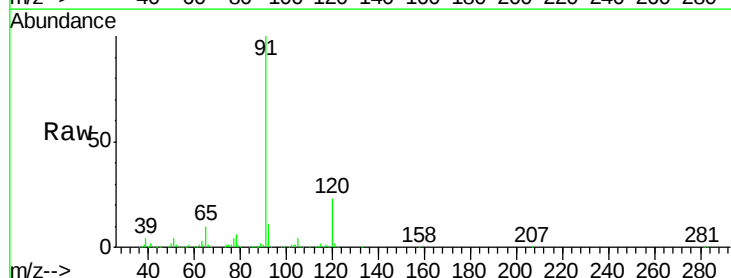
RT: 10.57 min Scan# 2948

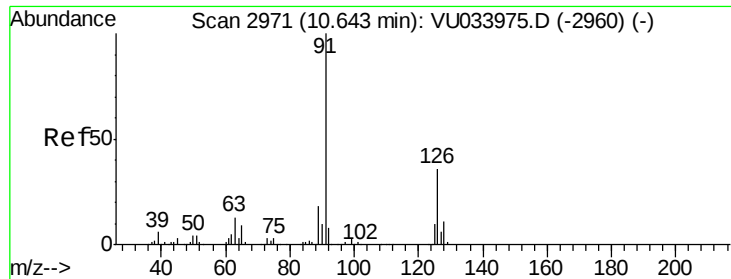
Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.5		12.0	36.0	





#79

2-Chlorotoluene

Concen: 52.160 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082819

Tot Ion: 91 Resp: 628301

Ion Ratio Lower Upper

91 100

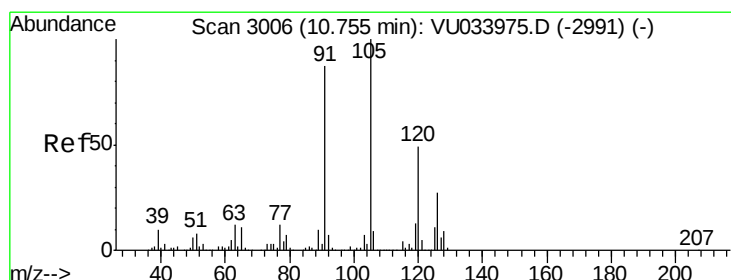
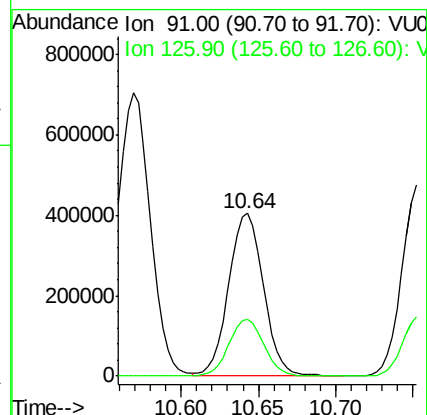
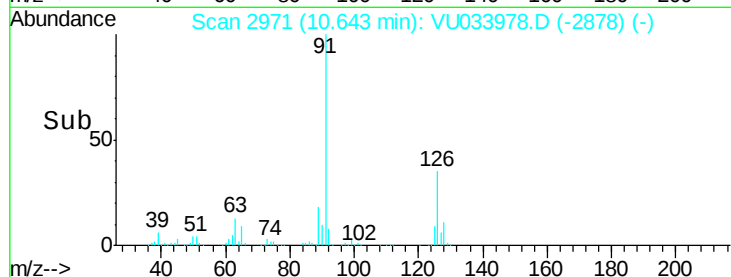
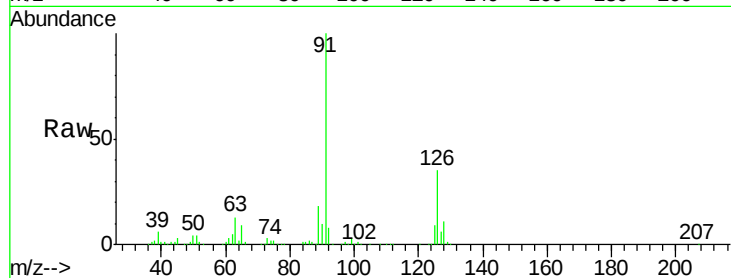
126 35.3 17.8 53.5

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#80

1,3,5-Trimethylbenzene

Concen: 53.351 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU033978.D

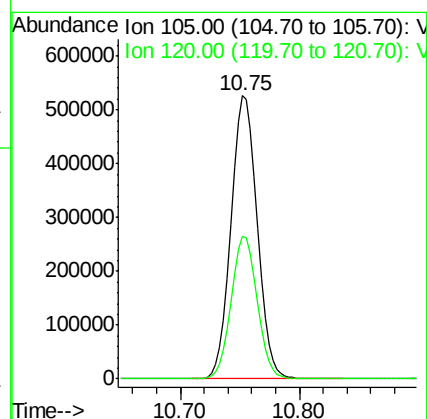
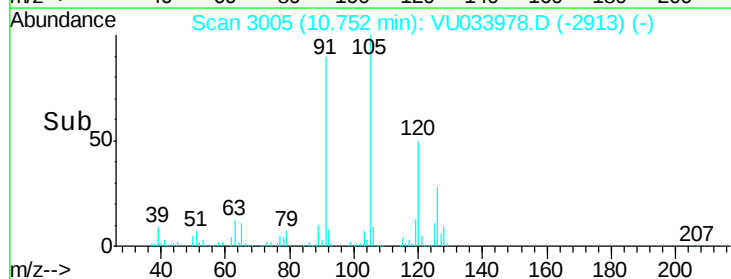
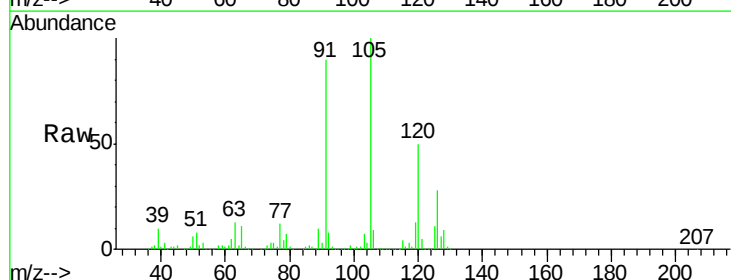
Acq: 27 Aug 2019 17:06

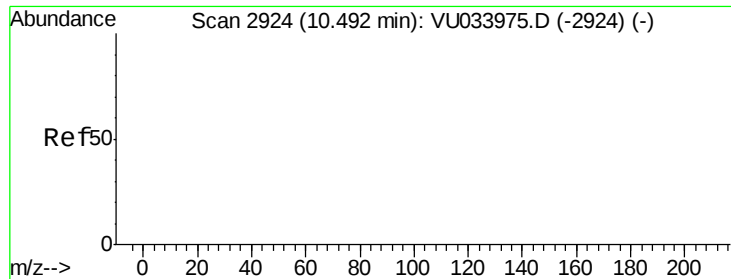
Tgt Ion: 105 Resp: 804326

Ion Ratio Lower Upper

105 100

120 49.9 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.937 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

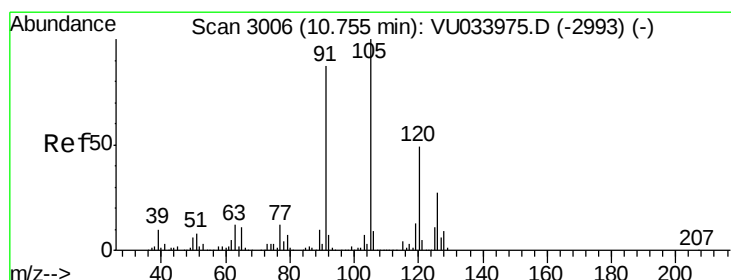
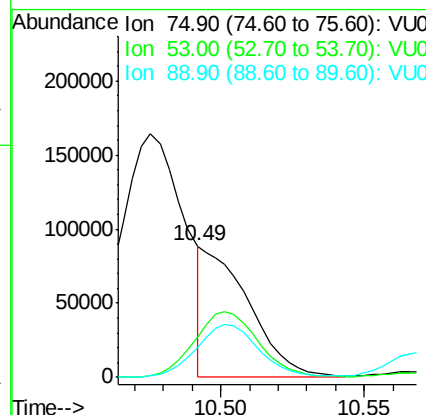
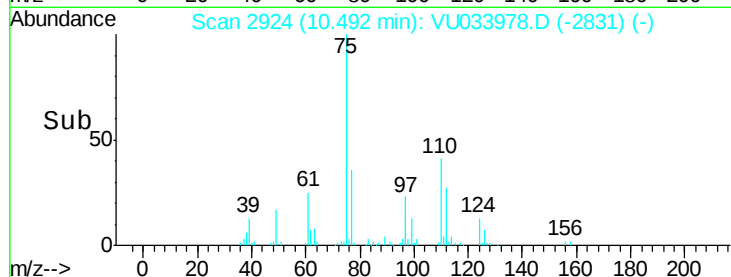
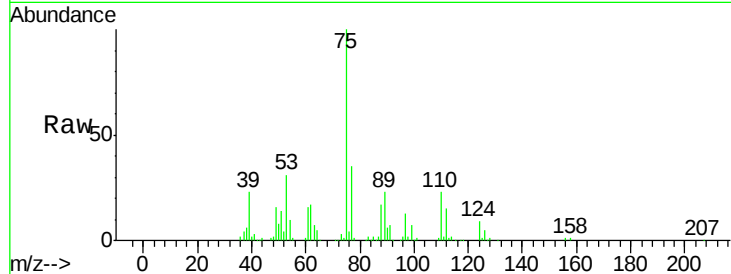
Instrument :
MSVOA_U

ClientSampleId :
ICVVU082819

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

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#82

4-Chlorotoluene

Concen: 52.005 ug/l

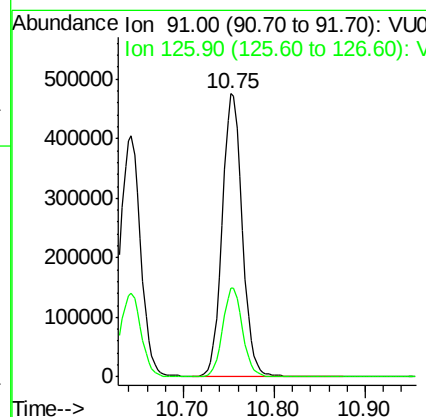
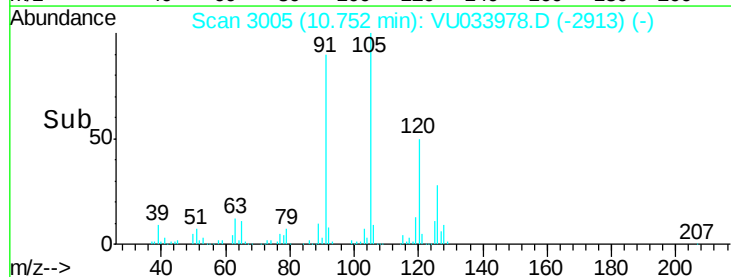
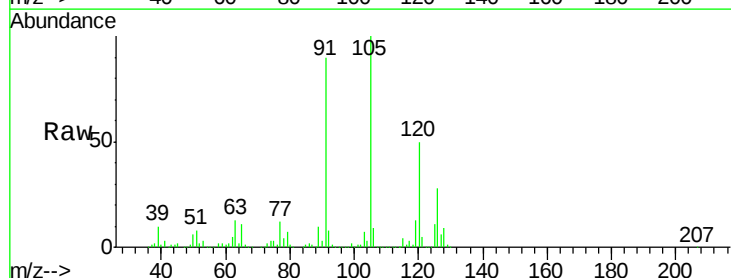
RT: 10.75 min Scan# 3005

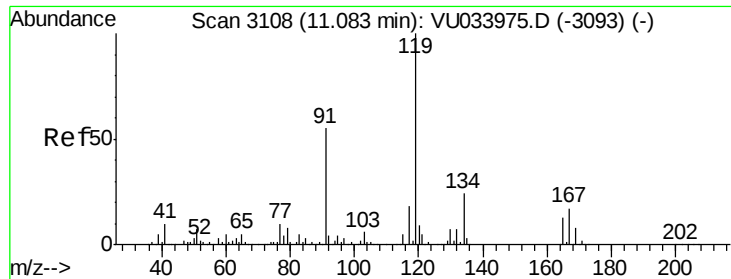
Delta R.T. -0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.4	46.4





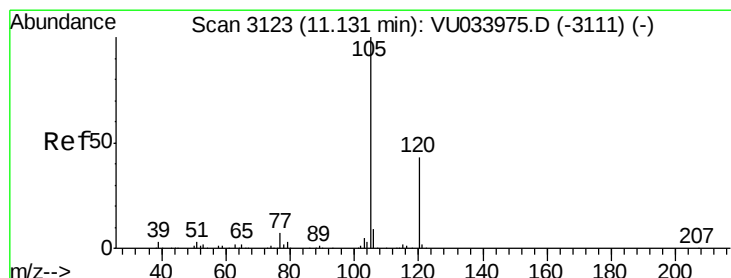
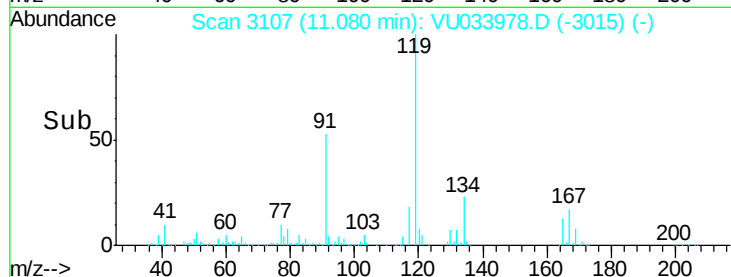
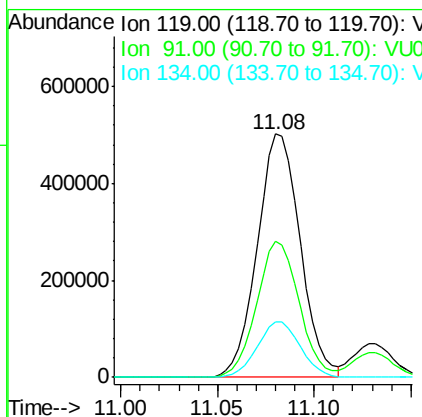
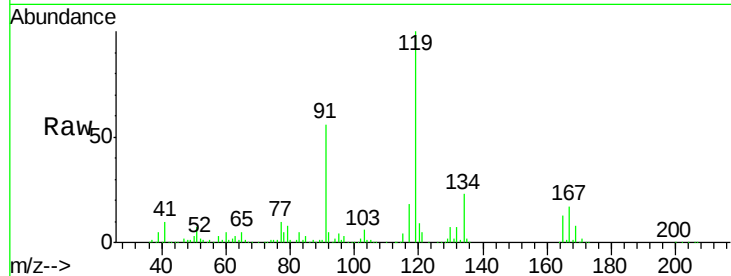
#83
 tert-Butylbenzene
 Concen: 53.296 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082819

Tot Ion	Ratio	Resp	Lower	Upper
119	100	779957		
91	54.9		27.6	82.8
134	22.8		11.6	34.7

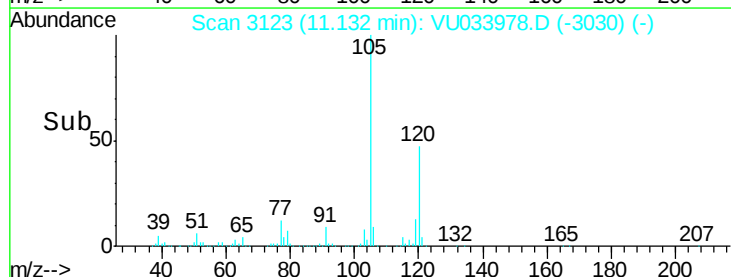
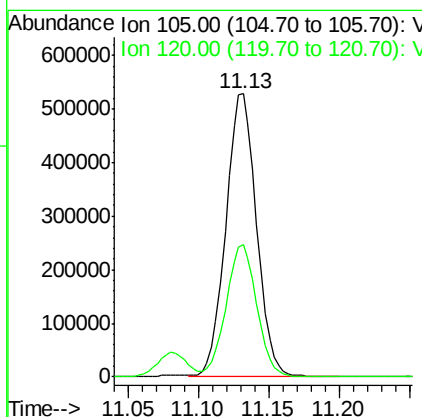
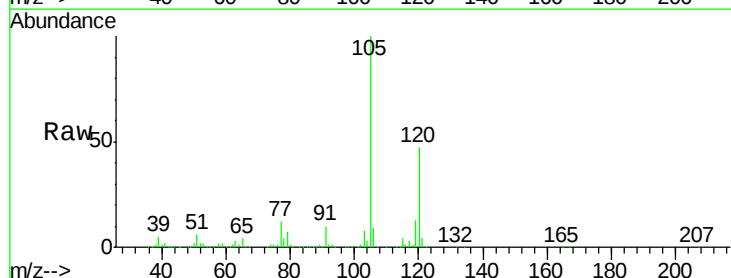
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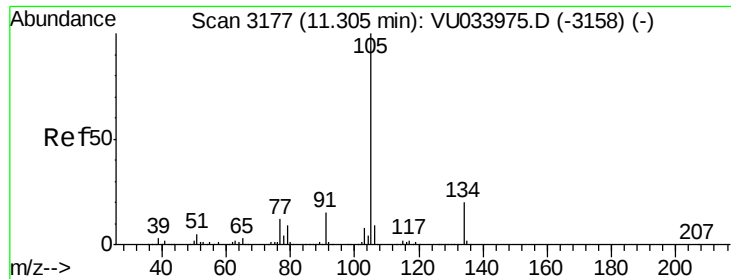
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.030 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	799686		
120	46.9		23.3	69.9





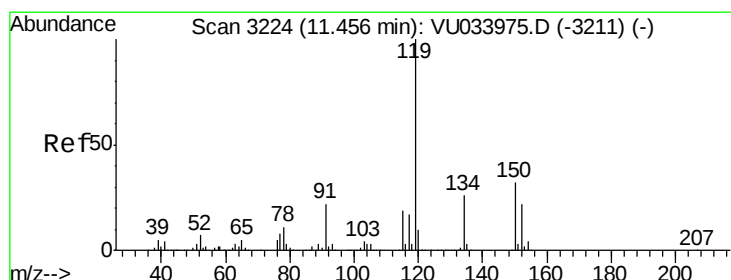
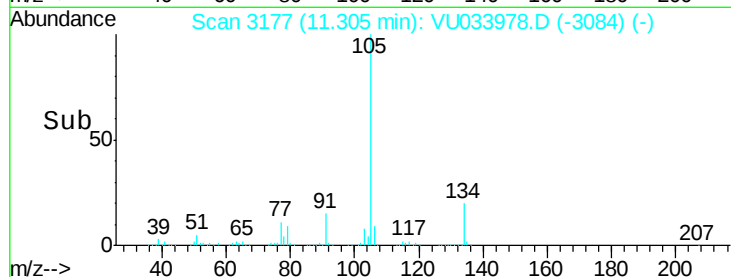
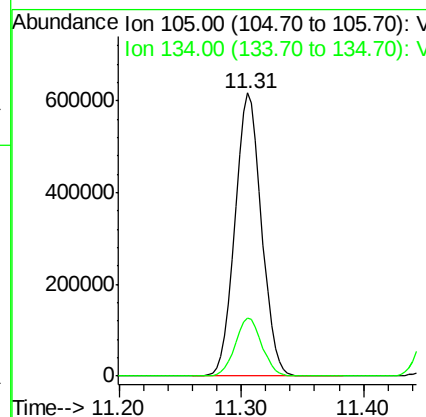
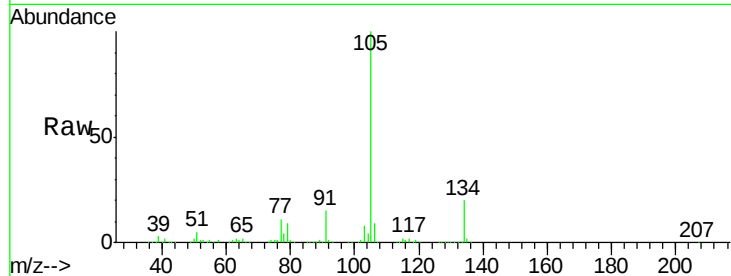
#85
 sec-Butylbenzene
 Concen: 53.407 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082819

Tot Ion	Ratio	Resp	Lower	Upper
105	100	932830		
134	20.5	10.2	30.6	

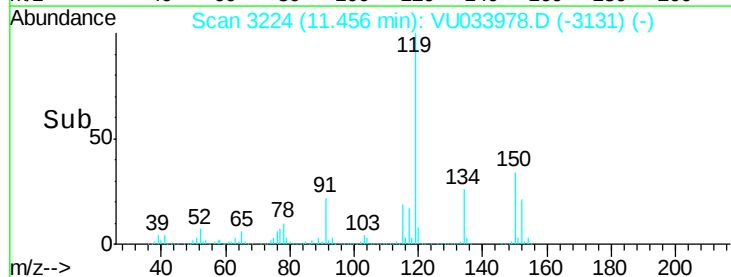
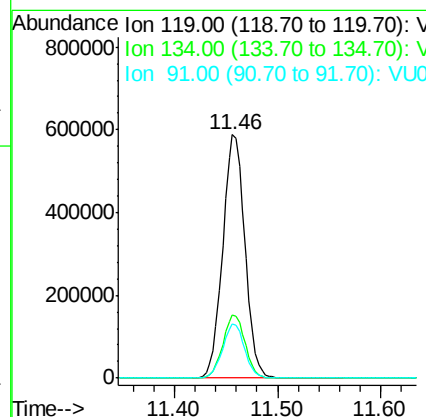
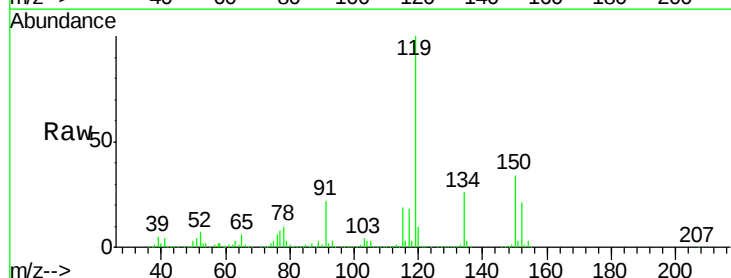
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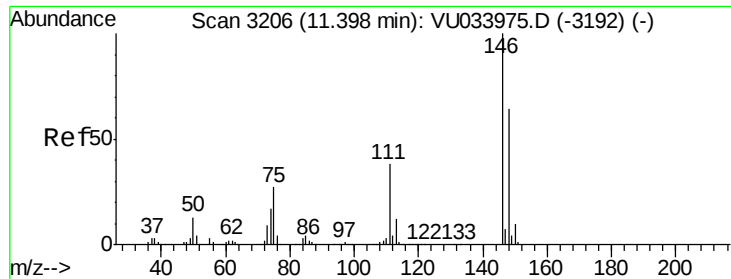
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#86
 p-Isopropyltoluene
 Concen: 53.550 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	875454		
134	26.0	13.0	38.9	
91	22.0	10.9	32.9	





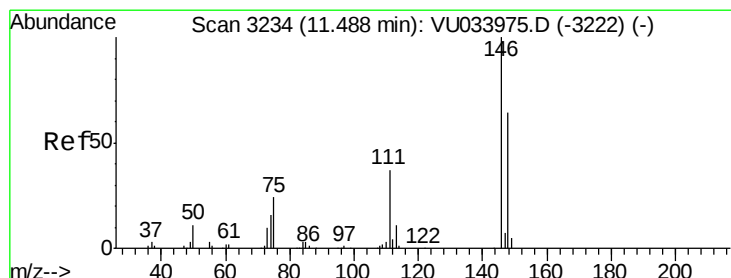
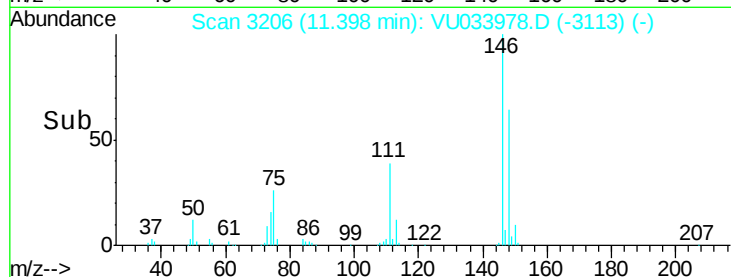
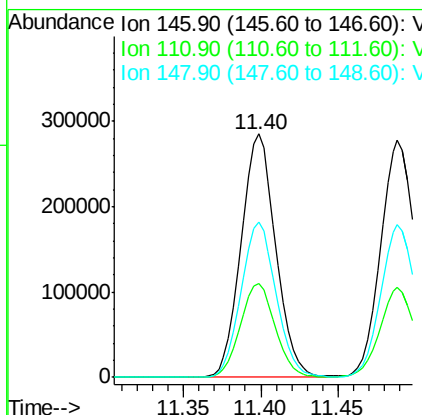
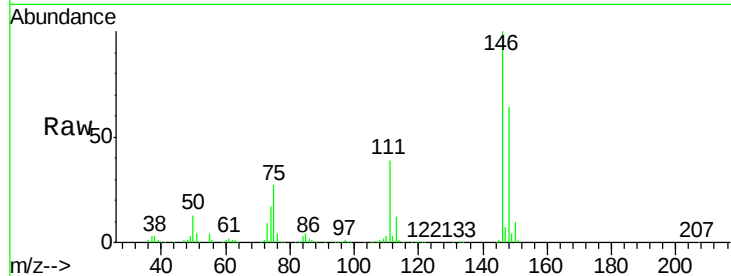
#87
 1,3-Dichlorobenzene
 Concen: 50.347 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082819

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.8	56.4
148	64.4	31.9	95.7

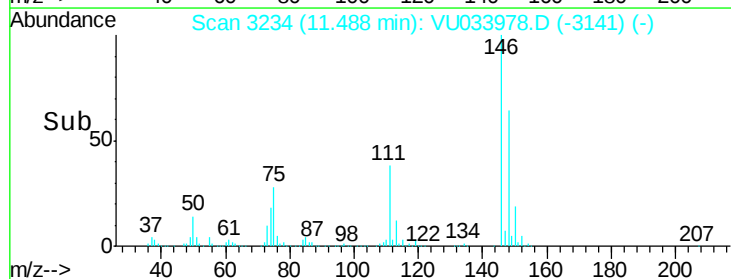
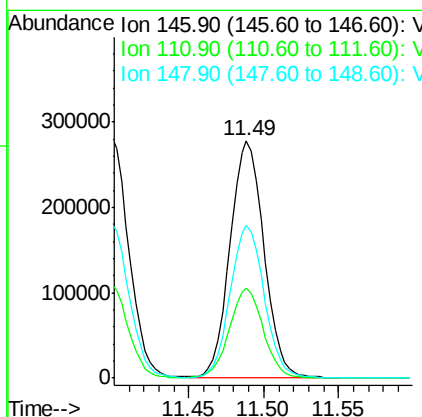
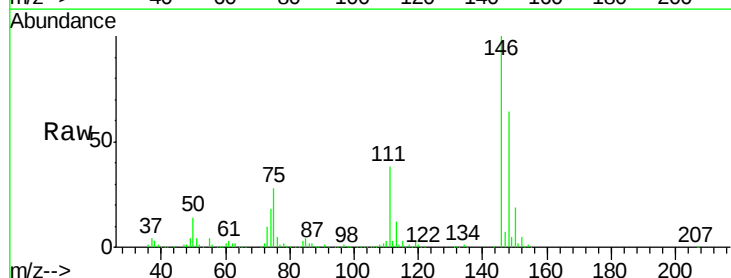
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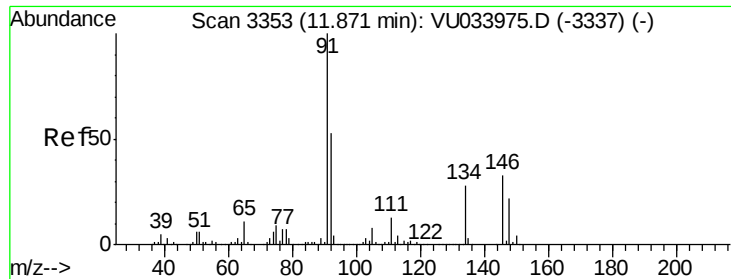
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#88
 1,4-Dichlorobenzene
 Concen: 49.154 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	64.8	31.9	95.7





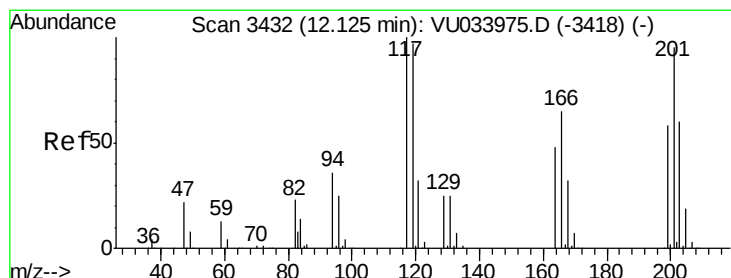
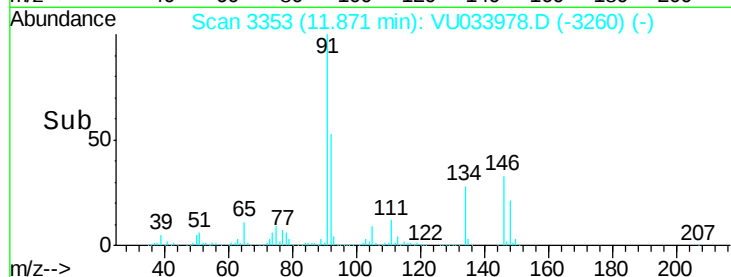
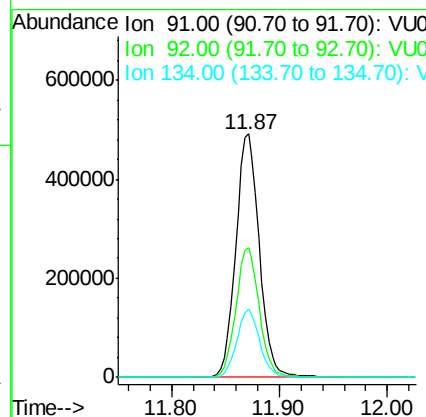
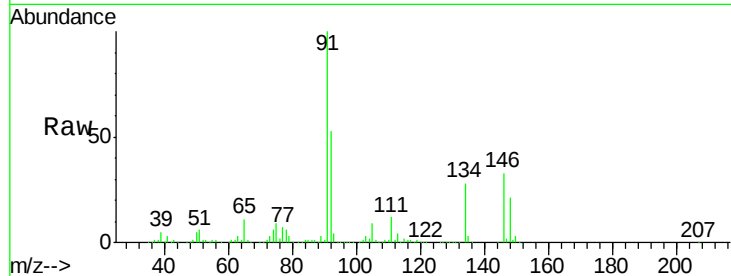
#89
n-Butylbenzene
Concen: 54.860 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.0
134	27.4	13.6	40.8

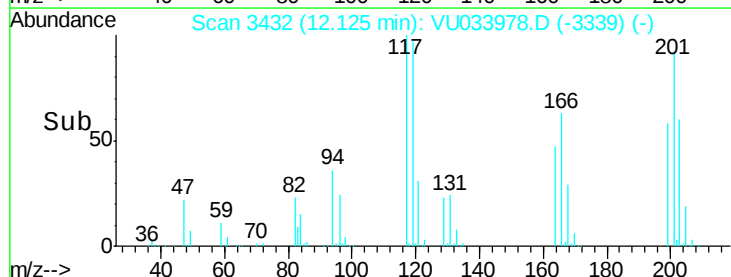
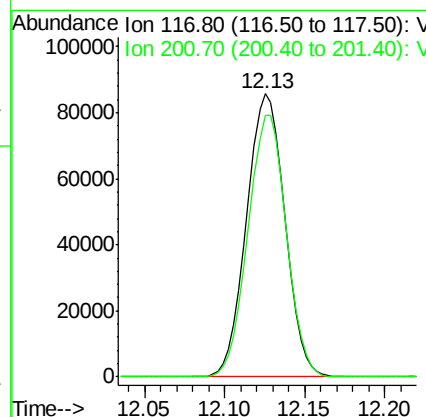
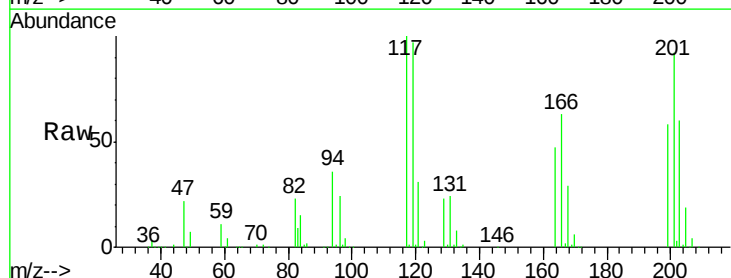
Manual Integrations
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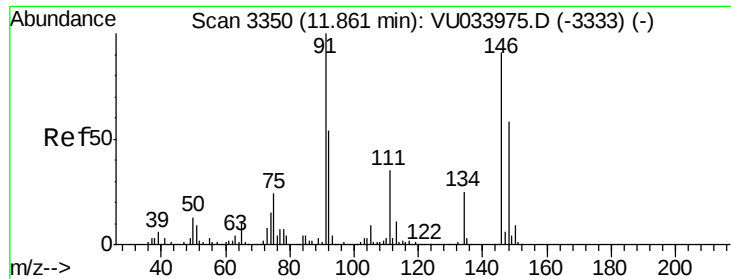
MMDadoda
8/28/2019 9:58:01 AM



#90
Hexachloroethane
Concen: 51.858 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.5	47.5	142.5





#91

1,2-Dichlorobenzene

Concen: 50.335 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Instrument :

MSVOA_U

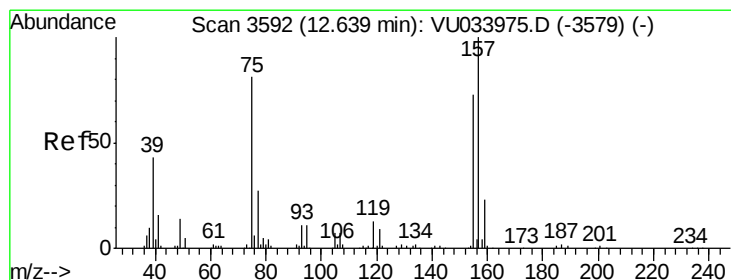
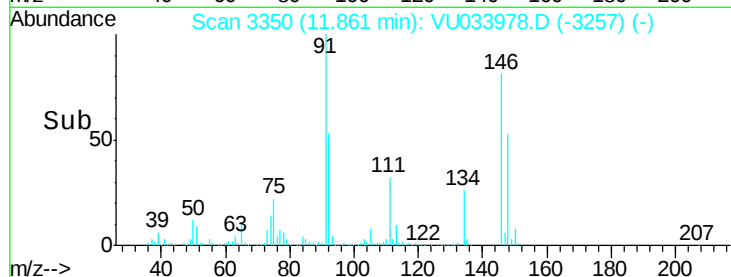
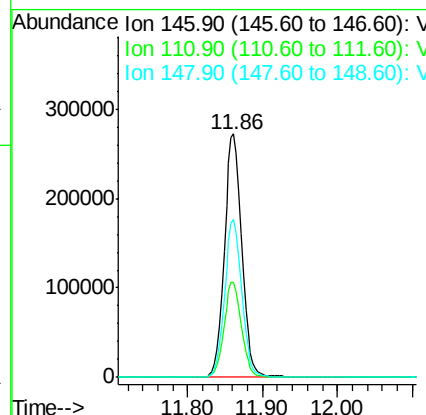
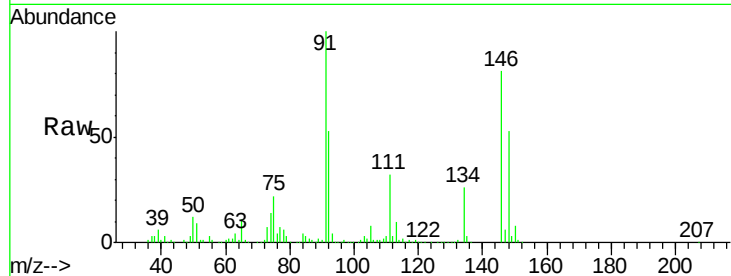
ClientSampleId :

ICVVU082819

Tot Ion:	146	Resp:	437226
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.8	59.3
148	63.9	32.0	96.2

Manual Integrations
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8/28/2019 9:58:01 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.039 ug/l

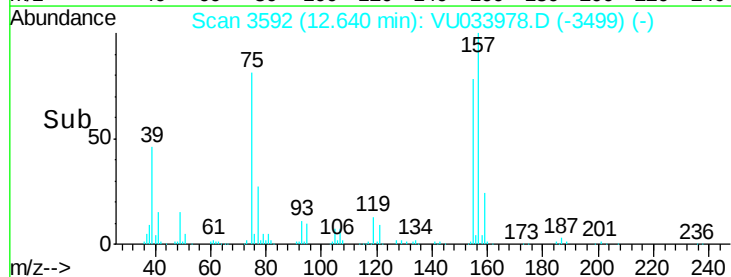
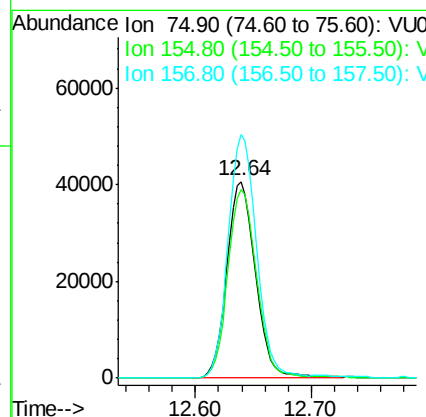
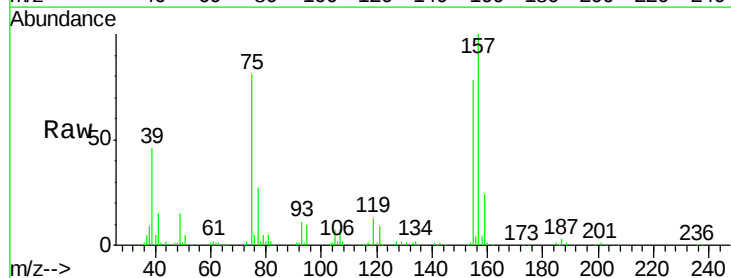
RT: 12.64 min Scan# 3592

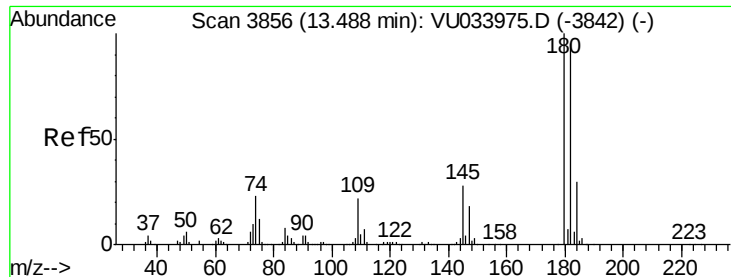
Delta R.T. 0.00 min

Lab File: VU033978.D

Acq: 27 Aug 2019 17:06

Tgt Ion:	75	Resp:	69897
Ion Ratio	Lower	Upper	
75	100		
155	95.8	46.9	140.6
157	122.0	61.2	183.6





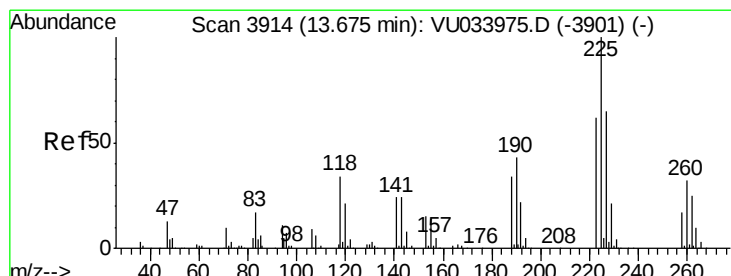
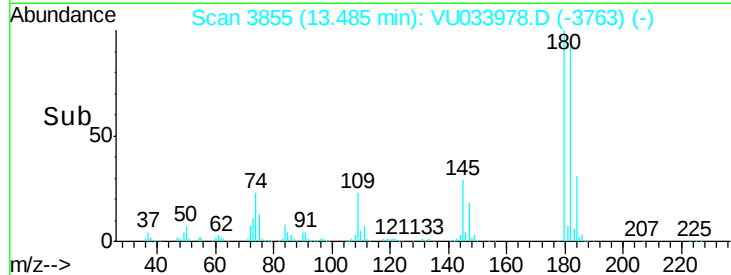
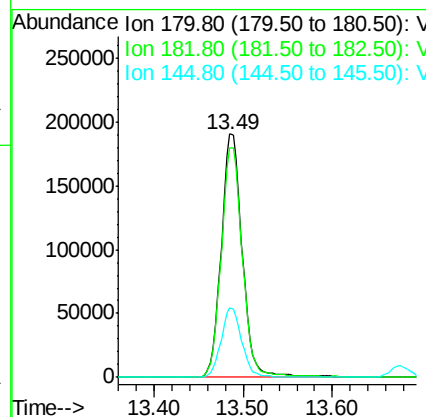
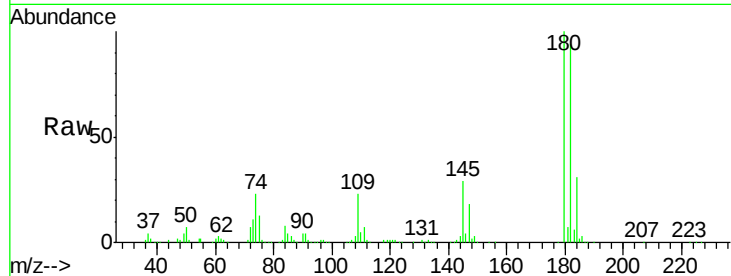
#93
 1,2,4-Trichlorobenzene
 Concen: 50.812 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082819

Tot Ion	Ratio	Resp	Lower	Upper
180	100	310606		
182	94.9	47.4	142.2	
145	28.0	14.4	43.2	

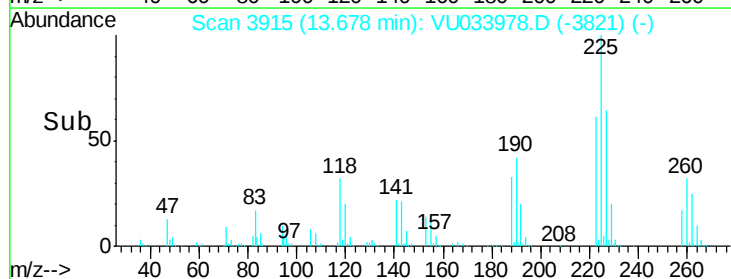
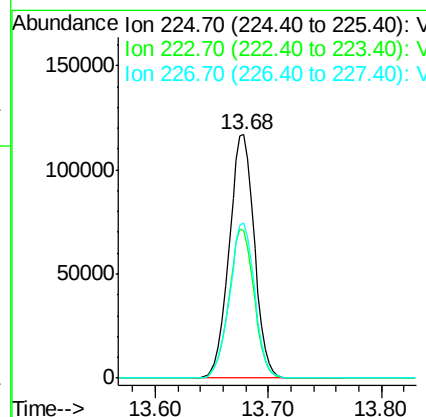
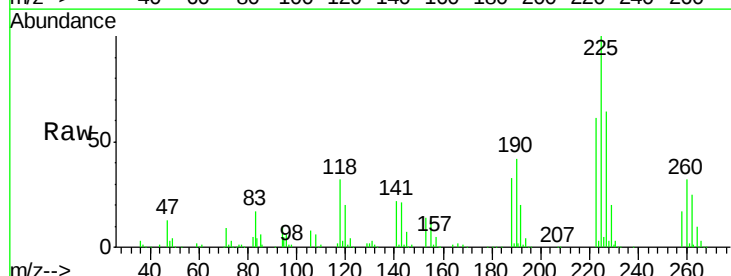
Manual Integrations
 APPROVED

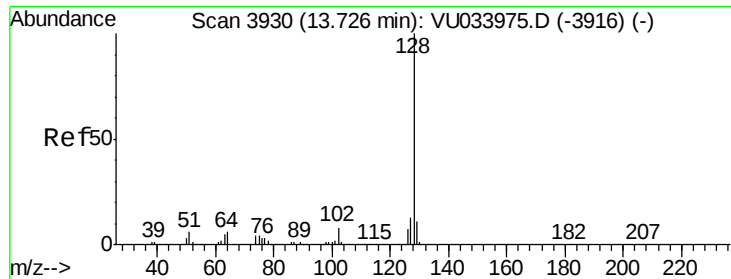
MMDadoda
 8/28/2019 9:58:01 AM



#94
 Hexachlorobutadiene
 Concen: 50.775 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU033978.D
 Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	180815		
223	61.0	31.7	95.1	
227	63.4	33.0	99.0	





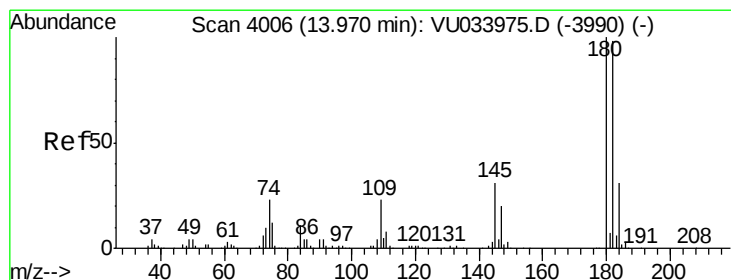
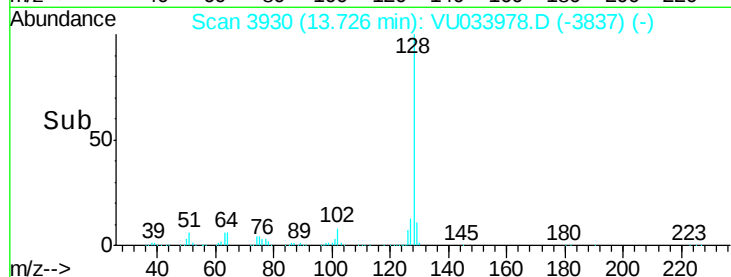
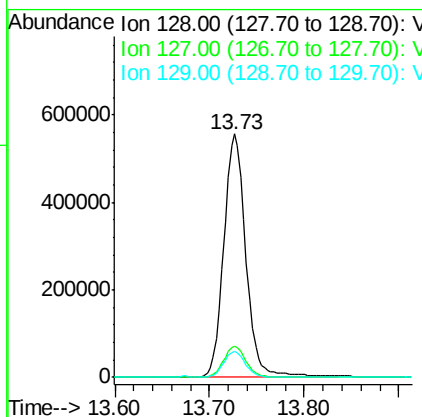
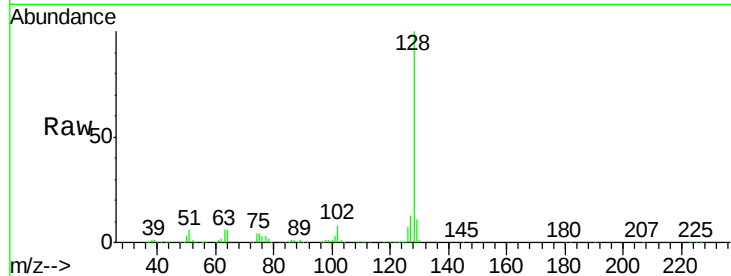
#95
Naphthalene
Concen: 53.469 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082819

Tot Ion	Ratio	Resp	Lower	Upper
128	100	905274		
127	12.9		10.2	15.4
129	10.3		8.5	12.7

Manual Integrations
APPROVED

MMDadoda
8/28/2019 9:58:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.935 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU033978.D
Acq: 27 Aug 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	310472		
182	96.9		48.4	145.3
145	29.5		15.1	45.3

