

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090519\
 Data File : VU034269.D
 Acq On : 04 Sep 2019 19:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 5:01:13 PM

Quant Time: Sep 05 05:11:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	372989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	594890	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	580406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	319797	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	221771	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
35) Dibromofluoromethane	4.86	113	196096	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
50) Toluene-d8	7.55	98	745154	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
62) 4-Bromofluorobenzene	10.29	95	289066	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	161177	42.967	ug/l	100
3) Chloromethane	1.32	50	204882	40.499	ug/l	100
4) Vinyl Chloride	1.40	62	216091	43.282	ug/l	100
5) Bromomethane	1.61	94	122800	51.242	ug/l	98
6) Chloroethane	1.69	64	133972	43.892	ug/l	98
7) Trichlorofluoromethane	1.87	101	268407	46.397	ug/l	98
8) Diethyl Ether	2.09	74	119047	48.104	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.27	101	170918	46.637	ug/l	98
10) Methyl Iodide	2.40	142	151355	29.114	ug/l	100
11) Tert butyl alcohol	2.81	59	247764	224.806	ug/l	99
12) 1,1-Dichloroethene	2.27	96	177201	47.456	ug/l	96
13) Acrolein	2.18	56	56314	121.462	ug/l	98
14) Allyl chloride	2.58	41	324027m	46.154	ug/l	
15) Acrylonitrile	2.92	53	635406	251.245	ug/l	100
16) Acetone	2.31	43	515447	211.371	ug/l	98
17) Carbon Disulfide	2.46	76	455391	38.534	ug/l	99
18) Methyl Acetate	2.60	43	304092	48.255	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	624499	51.044	ug/l	98
20) Methylene Chloride	2.69	84	215903	46.767	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	188360	46.480	ug/l	99
22) Diisopropyl ether	3.55	45	653389	50.790	ug/l	99
23) Vinyl Acetate	3.50	43	2723313	246.430	ug/l	100
24) 1,1-Dichloroethane	3.43	63	371281	48.884	ug/l	99
25) 2-Butanone	4.24	43	829006	244.348	ug/l	99
26) 2,2-Dichloropropane	4.20	77	273570	44.266	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	220025	48.372	ug/l	97
28) Bromochloromethane	4.52	49	200273	53.521	ug/l	99
29) Tetrahydrofuran	4.61	42	527188	251.967	ug/l	99
30) Chloroform	4.65	83	366456	48.359	ug/l	98
31) Cyclohexane	4.97	56	300885	42.160	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	302110	48.678	ug/l	99
36) 1,1-Dichloropropene	5.11	75	257006	45.674	ug/l	100
37) Ethyl Acetate	4.36	43	300874	47.749	ug/l	98
38) Carbon Tetrachloride	5.11	117	259551	47.787	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	290922	43.866	ug/l	99
40) Benzene	5.37	78	810073	47.583	ug/l	100
41) Methacrylonitrile	4.52	41	165160	51.108	ug/l	99
42) 1,2-Dichloroethane	5.38	62	275532	46.869	ug/l	98
43) Isopropyl Acetate	5.53	43	465717	48.582	ug/l	99
44) Trichloroethene	6.17	130	222458	49.760	ug/l	97
45) 1,2-Dichloropropane	6.41	63	229754	49.026	ug/l	98
46) Dibromomethane	6.54	93	148656	49.236	ug/l	98
47) Bromodichloromethane	6.74	83	291890	49.413	ug/l	100
48) Methyl methacrylate	6.60	41	221856	47.960	ug/l	96
49) 1,4-Dioxane	6.59	88	94762	817.596	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1597827	241.353	ug/l	98
52) Toluene	7.62	92	512474	48.866	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	310762	47.412	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	345393	48.233	ug/l	97
55) 1,1,2-Trichloroethane	8.05	97	217721	49.080	ug/l	99
56) Ethyl methacrylate	8.00	69	324025	44.152	ug/l	99
57) 1,3-Dichloropropane	8.22	76	365009	48.460	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	532026	216.785	ug/l	98
59) 2-Hexanone	8.34	43	1203732	240.856	ug/l	99
60) Dibromochloromethane	8.46	129	237218	49.817	ug/l	99
61) 1,2-Dibromoethane	8.57	107	222735	47.665	ug/l	100
64) Tetrachloroethene	8.21	164	196728	50.471	ug/l	99
65) Chlorobenzene	9.10	112	576248	48.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	209582	48.390	ug/l	98
67) Ethyl Benzene	9.23	91	981390	48.471	ug/l	99
68) m/p-Xylenes	9.36	106	760107	98.732	ug/l	100
69) o-Xylene	9.76	106	369907	50.082	ug/l	99
70) Styrene	9.77	104	656405	51.831	ug/l	99
71) Bromoform	9.94	173	181571	48.251	ug/l #	99
73) Isopropylbenzene	10.15	105	992776	46.217	ug/l	100
74) N-amyl acetate	9.99	43	413224	45.738	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	366836	44.618	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	323791m	44.923	ug/l	
77) Bromobenzene	10.43	156	265170	45.891	ug/l	99
78) n-propylbenzene	10.57	91	1158108	46.295	ug/l	100
79) 2-Chlorotoluene	10.64	91	689587	45.957	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	860635	47.272	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	77089m	36.014	ug/l	
82) 4-Chlorotoluene	10.75	91	797736	46.228	ug/l	99
83) tert-Butylbenzene	11.08	119	818973	45.695	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	864580	47.824	ug/l	99
85) sec-Butylbenzene	11.30	105	986907	45.943	ug/l	100
86) p-Isopropyltoluene	11.46	119	918055	47.254	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	475667	46.498	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	479822	46.379	ug/l	99
89) n-Butylbenzene	11.87	91	802638	46.859	ug/l	100
90) Hexachloroethane	12.12	117	131690	39.206	ug/l	96
91) 1,2-Dichlorobenzene	11.86	146	463993	47.349	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	73775	45.042	ug/l	98

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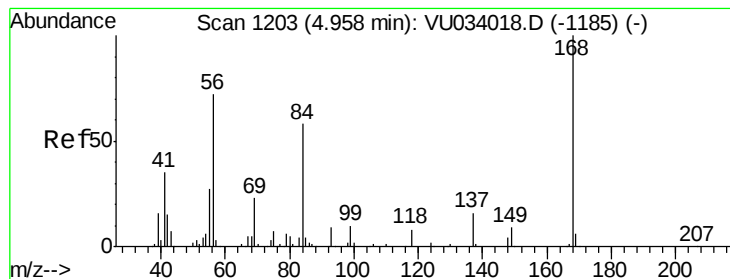
Manual Integrations
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QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	324018	46.565	ug/l	99
94) Hexachlorobutadiene	13.67	225	159434	41.590	ug/l	99
95) Naphthalene	13.72	128	904152	45.464	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	321431	51.205	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 372989

Ion Ratio Lower Upper

168 100

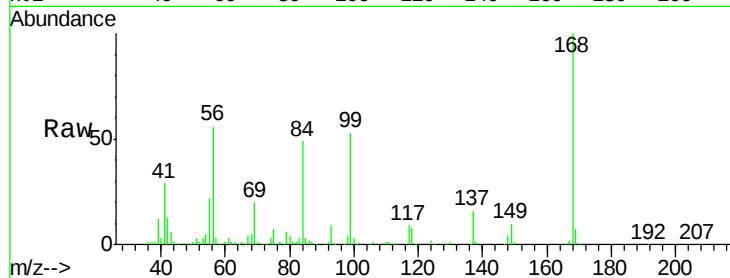
99 52.8 42.3 63.5

Manual Integrations

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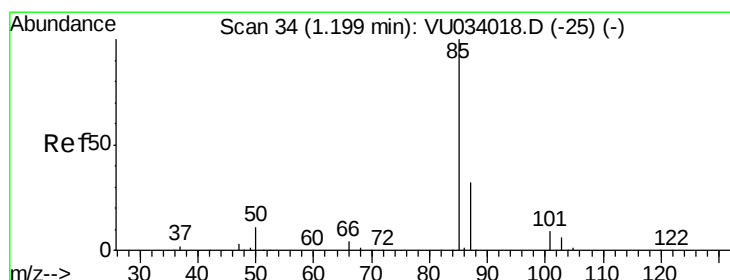
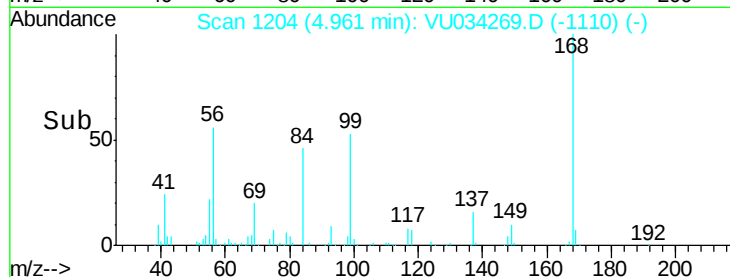
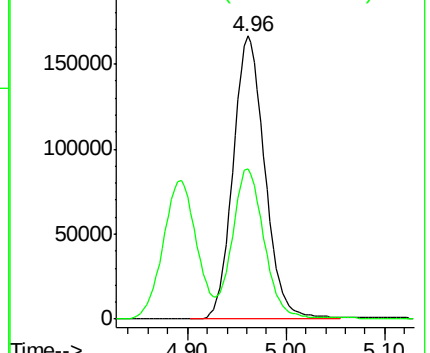
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Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

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



#2

Dichlorodifluoromethane

Concen: 42.967 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034269.D

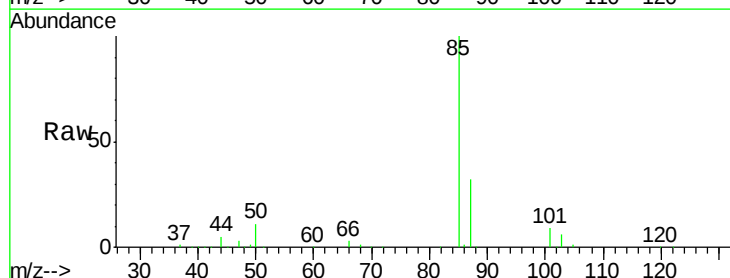
Acq: 04 Sep 2019 19:37

Tgt Ion: 85 Resp: 161177

Ion Ratio Lower Upper

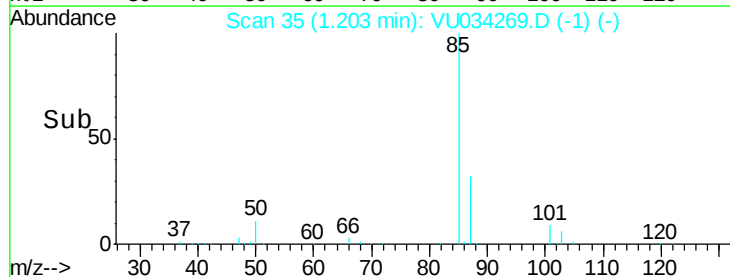
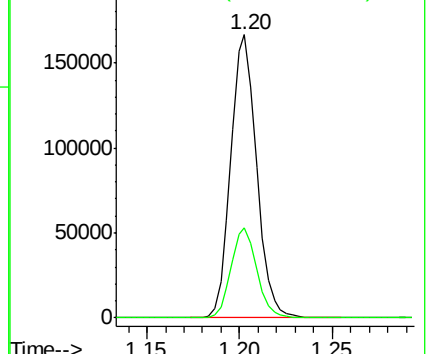
85 100

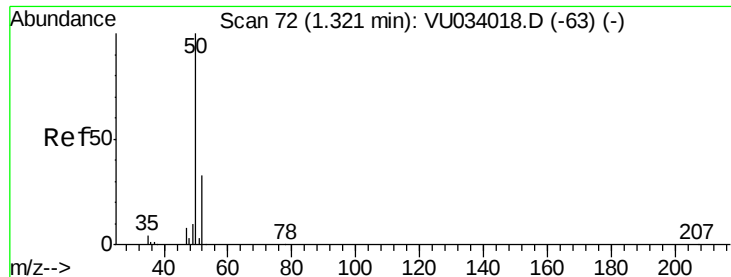
87 32.0 16.1 48.3



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

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





#3

Chloromethane

Concen: 40.499 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 204882

Ion Ratio Lower Upper

50 100

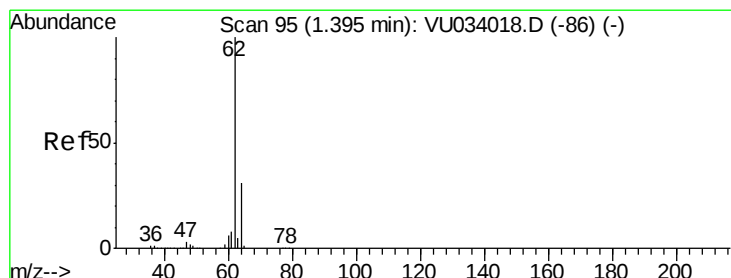
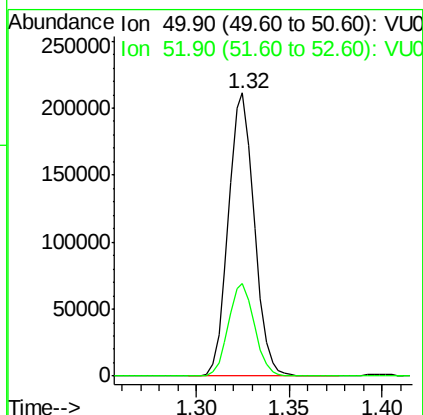
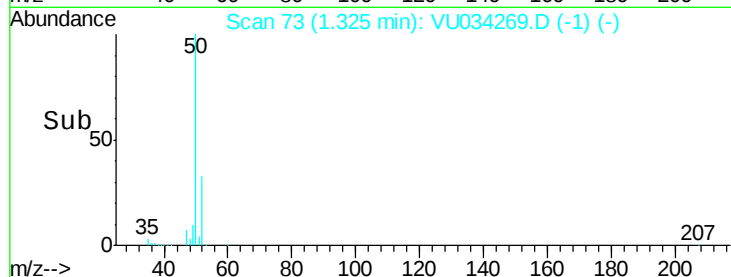
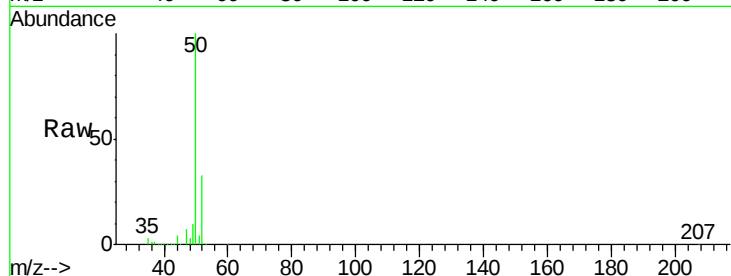
52 32.7 26.2 39.4

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#4

Vinyl Chloride

Concen: 43.282 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034269.D

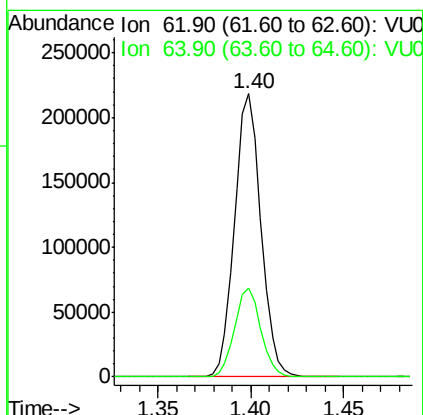
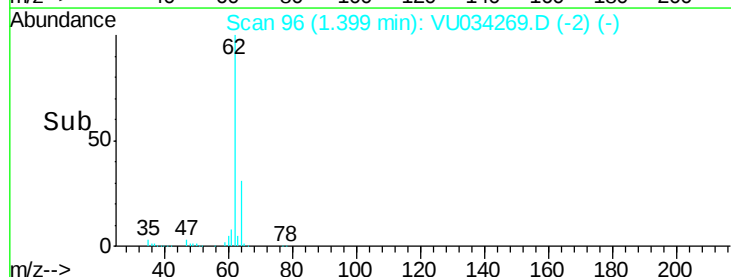
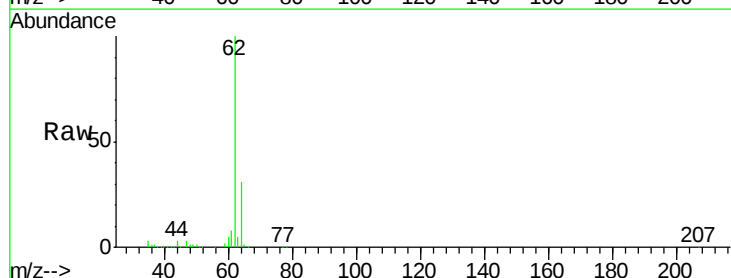
Acq: 04 Sep 2019 19:37

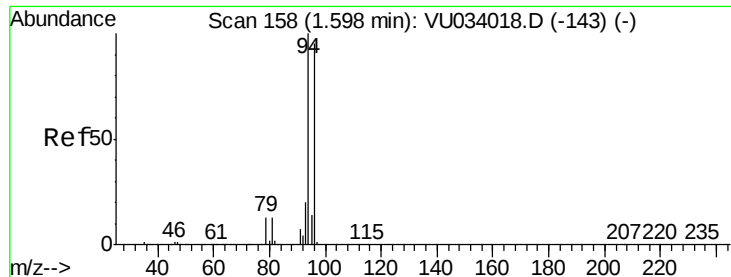
Tgt Ion: 62 Resp: 216091

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6





#5

Bromomethane

Concen: 51.242 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 122800

Ion Ratio Lower Upper

94 100

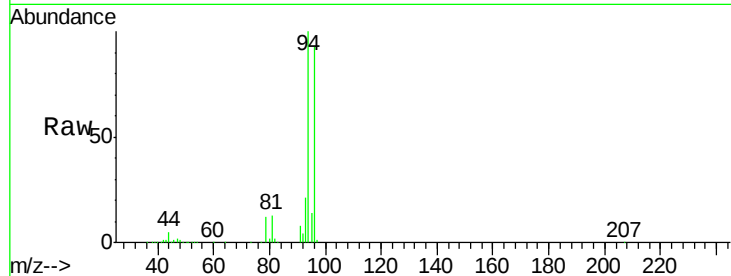
96 93.5 76.3 114.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU034269.D (-65) (-)

Ion 95.90 (95.60 to 96.60): VU034269.D (-65) (-)

1.61

100000

80000

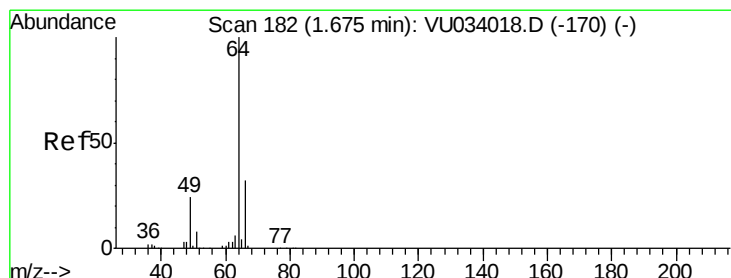
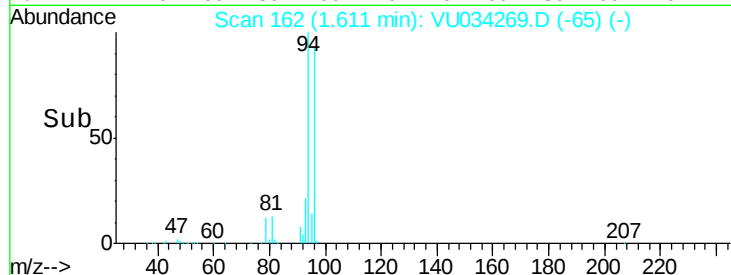
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 43.892 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.01 min

Lab File: VU034269.D

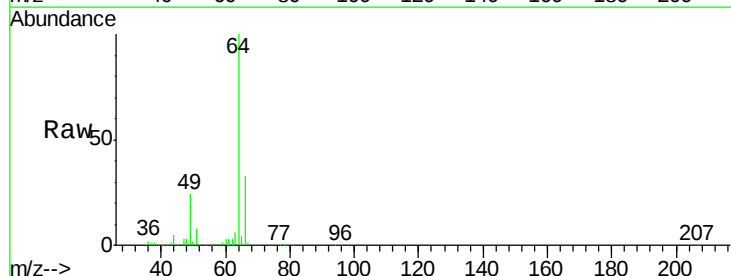
Acq: 04 Sep 2019 19:37

Tgt Ion: 64 Resp: 133972

Ion Ratio Lower Upper

64 100

66 32.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034269.D (-89) (-)

Ion 65.90 (65.60 to 66.60): VU034269.D (-89) (-)

1.69

120000

100000

80000

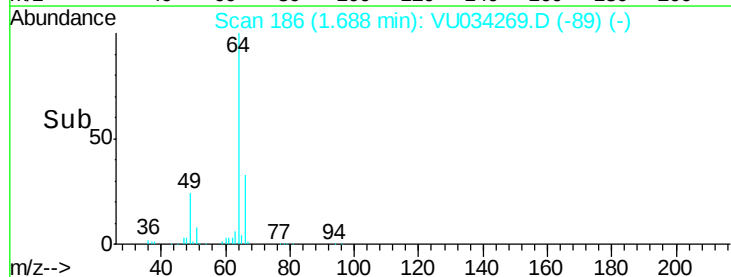
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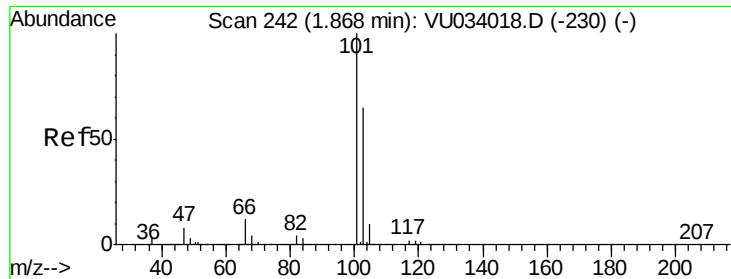
40000

20000

0

Time-->





#7

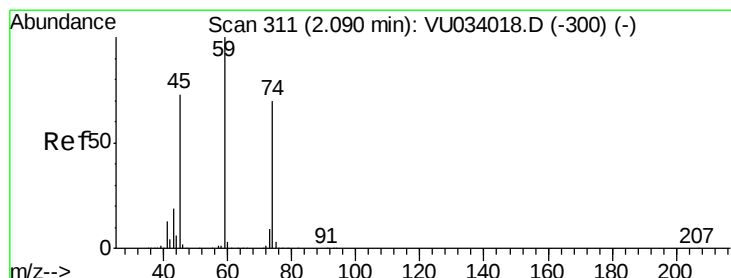
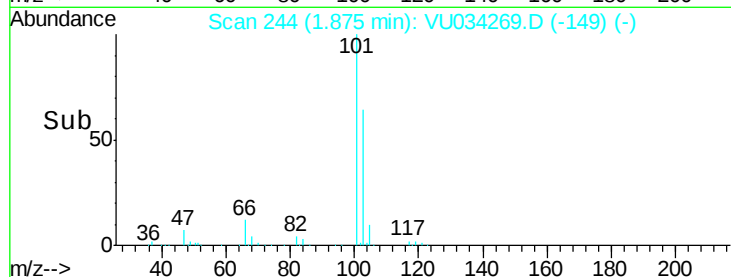
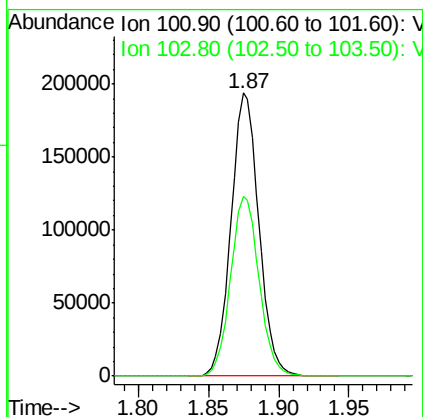
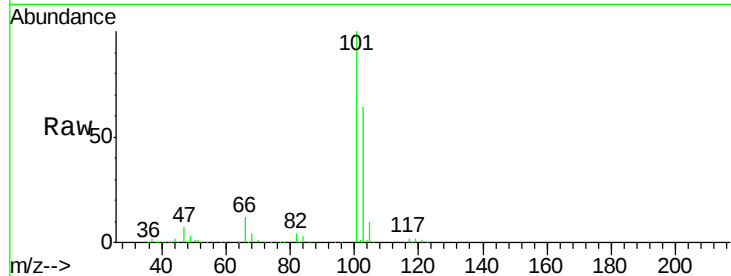
Trichlorofluoromethane
Concen: 46.397 ug/l
RT: 1.87 min Scan# 244
Delta R.T. 0.01 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	268407		
103	63.6	52.1	78.1	

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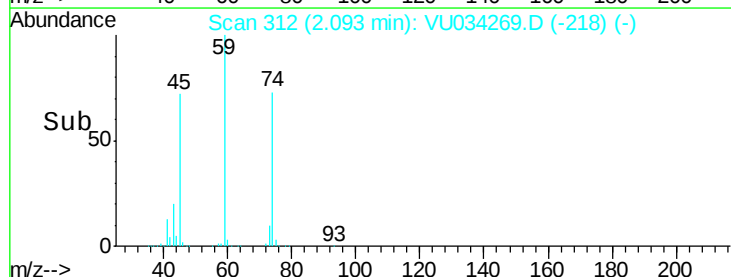
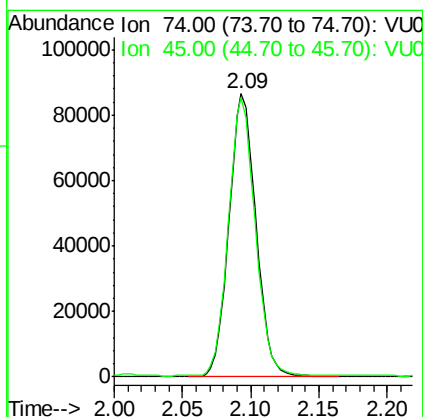
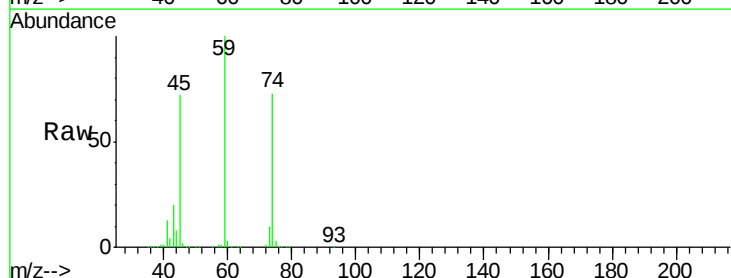
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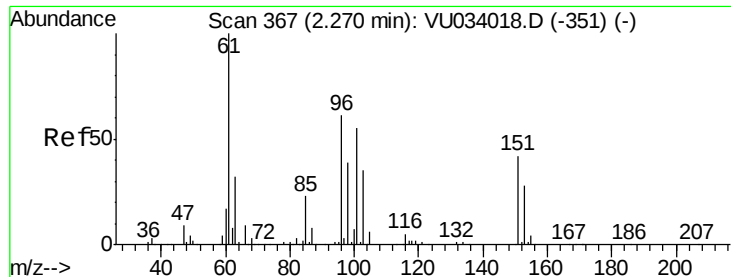


#8

Diethyl Ether
Concen: 48.104 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	119047		
45	97.3	51.8	155.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.637 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 170918

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.2

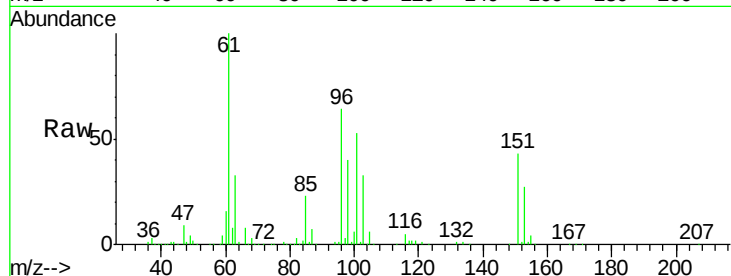
151 79.9 61.4 92.2

Manual Integrations

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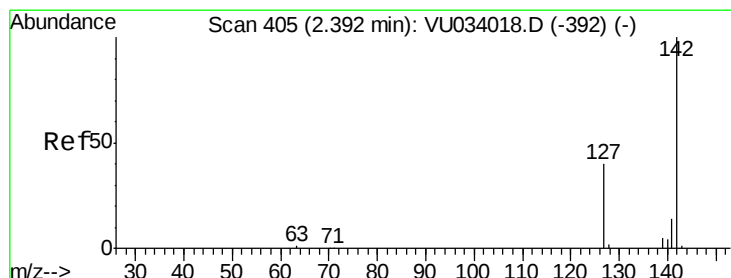
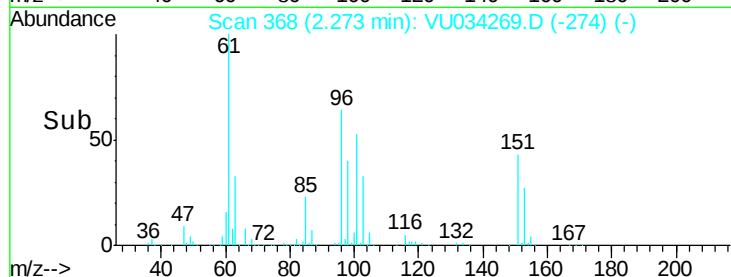
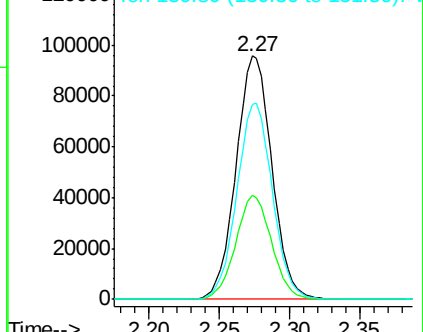
9/5/2019 5:01:13 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 29.114 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

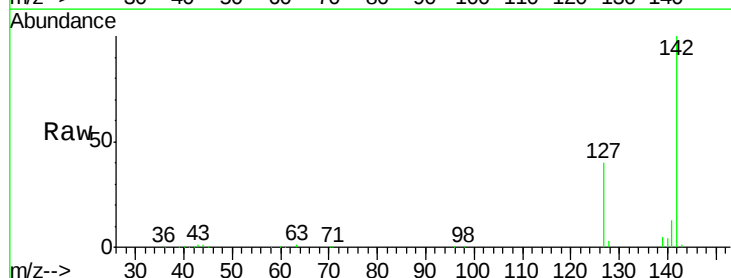
Tgt Ion:142 Resp: 151355

Ion Ratio Lower Upper

142 100

127 40.4 32.6 48.8

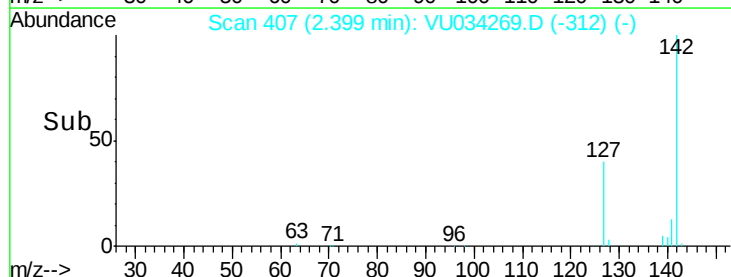
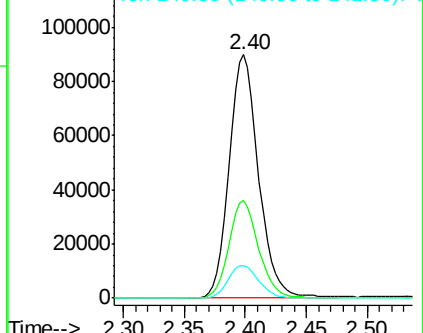
141 14.0 11.3 16.9

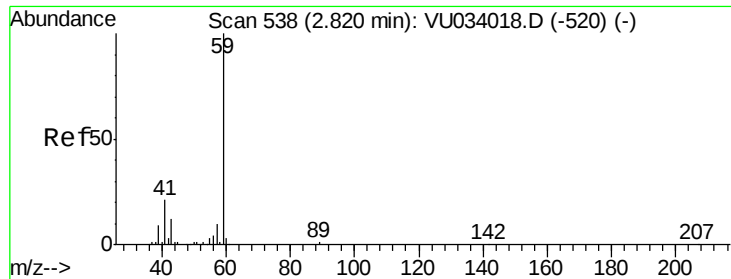


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

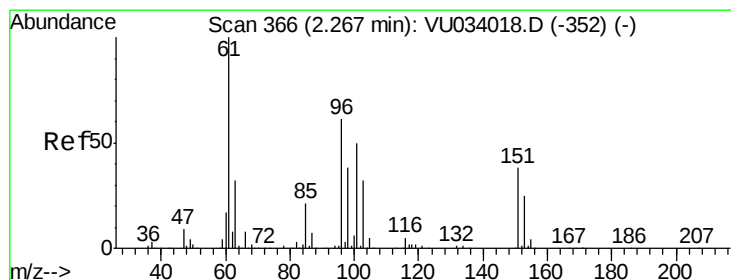
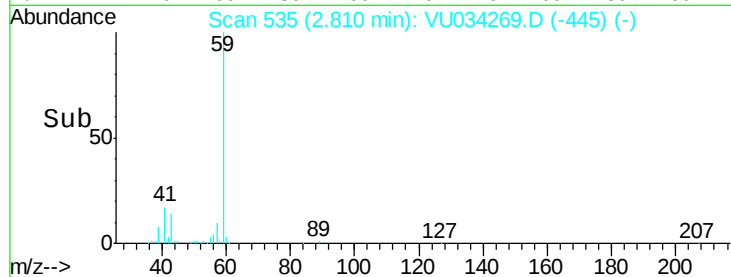
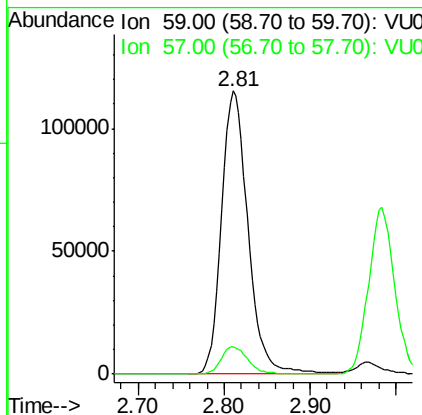
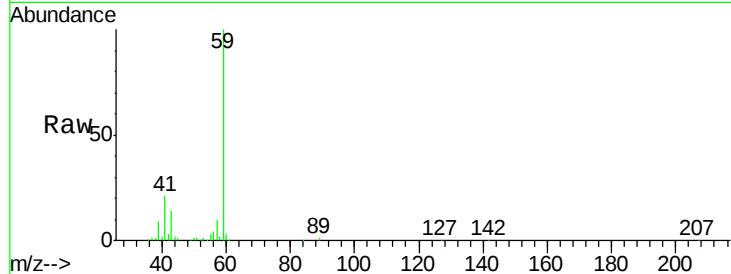
Tert butyl alcohol
 Concen: 224.806 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	247764		
57	9.7	8.0	12.0	

Manual Integrations
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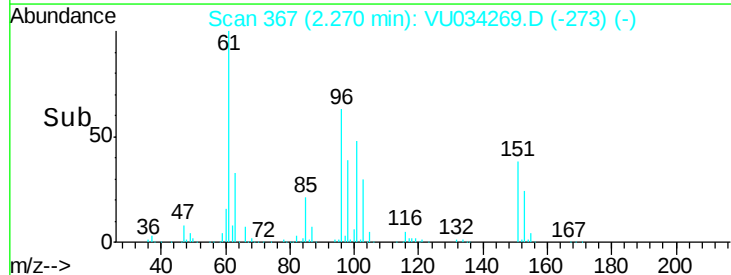
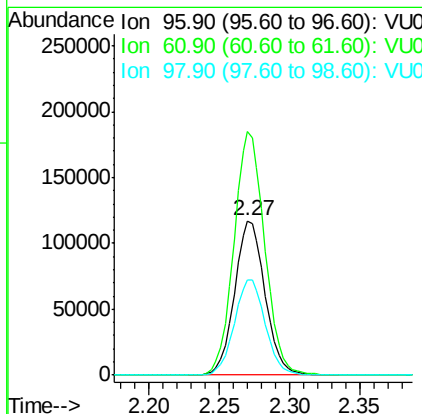
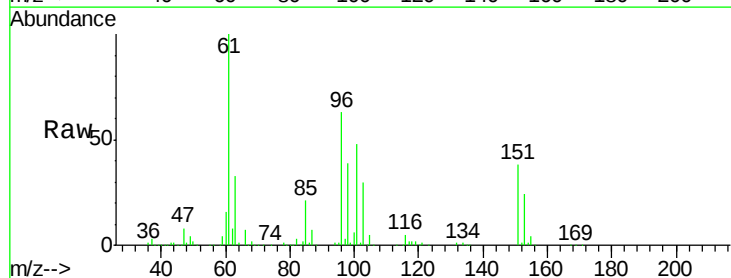
MMDadoda
 9/5/2019 5:01:13 PM

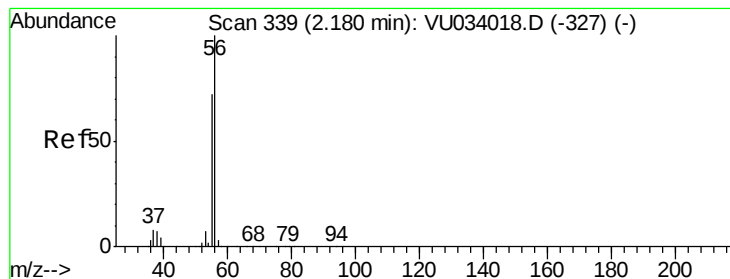


#12

1,1-Dichloroethene
 Concen: 47.456 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	177201		
61	158.1	131.3	196.9	
98	61.8	50.3	75.5	





#13

Acrolein

Concen: 121.462 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 56314

Ion Ratio Lower Upper

56 100

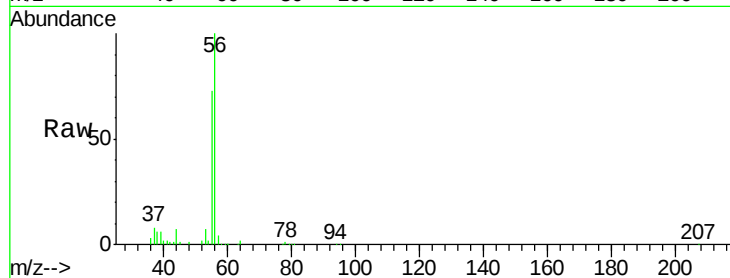
55 73.2 57.1 85.7

Manual Integrations

APPROVED

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9/5/2019 5:01:13 PM

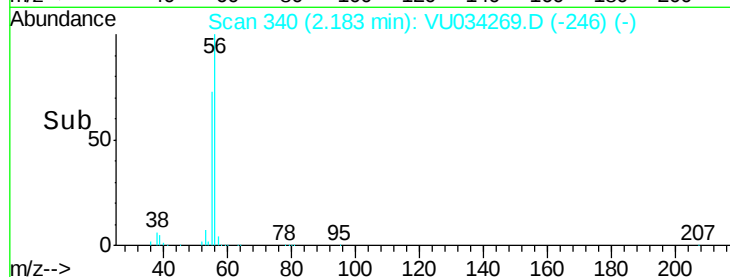


Abundance Ion 56.00 (55.70 to 56.70): VU034018.D (-327) (-)

Ion 55.00 (54.70 to 55.70): VU034018.D (-327) (-)

2.18

Time-->

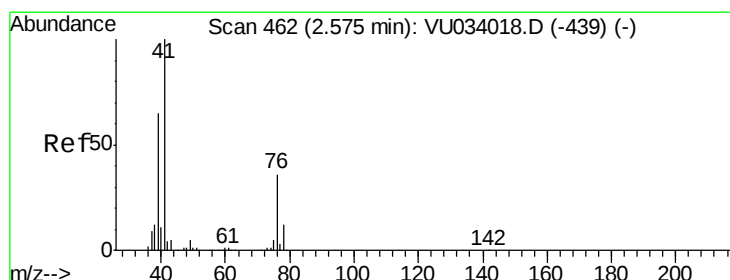


Abundance Ion 56.00 (55.70 to 56.70): VU034269.D (-246) (-)

Ion 55.00 (54.70 to 55.70): VU034269.D (-246) (-)

2.18

Time-->



#14

Allyl chloride

Concen: 46.154 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

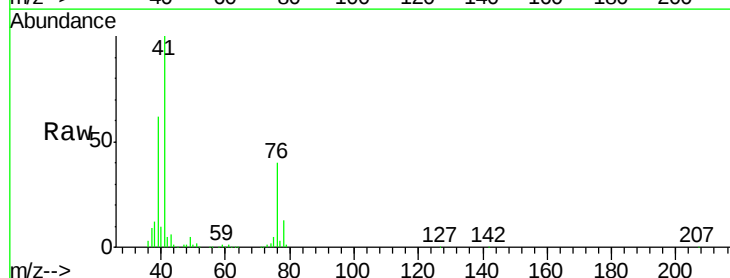
Tgt Ion: 41 Resp: 324027

Ion Ratio Lower Upper

41 100

39 55.7 46.8 70.2

76 34.0 26.6 40.0



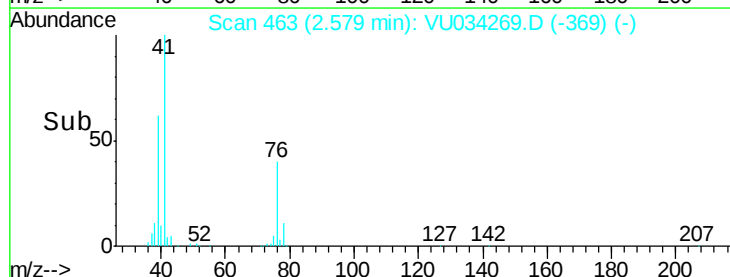
Abundance Ion 41.00 (40.70 to 41.70): VU034018.D (-439) (-)

Ion 39.00 (38.70 to 39.70): VU034018.D (-439) (-)

Ion 75.90 (75.60 to 76.60): VU034018.D (-439) (-)

2.58

Time-->



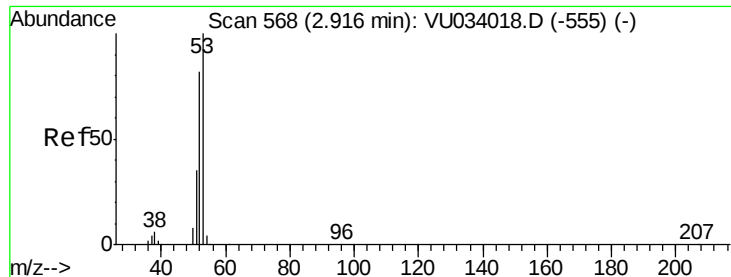
Abundance Ion 41.00 (40.70 to 41.70): VU034269.D (-369) (-)

Ion 39.00 (38.70 to 39.70): VU034269.D (-369) (-)

Ion 75.90 (75.60 to 76.60): VU034269.D (-369) (-)

2.58

Time-->



#15

Acrylonitrile

Concen: 251.245 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

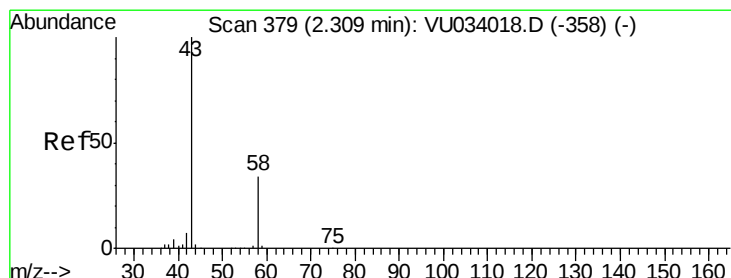
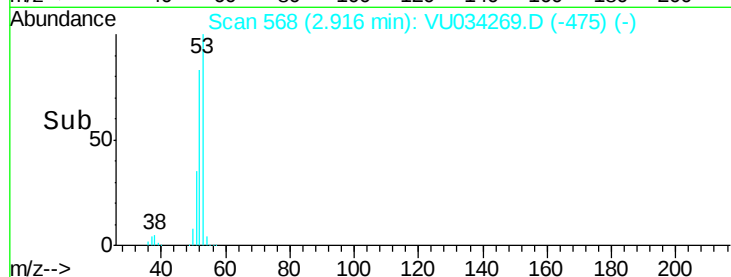
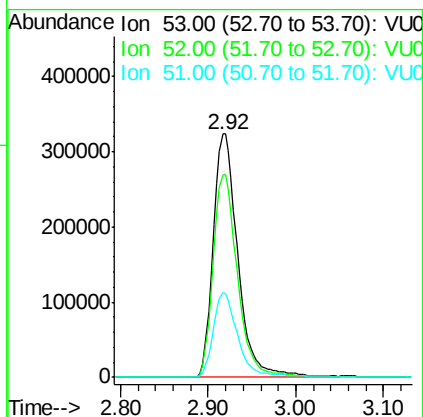
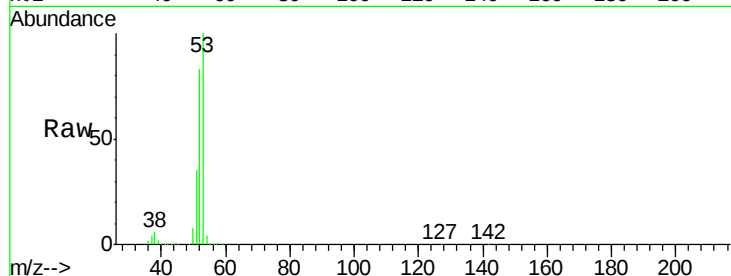
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	635406
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.7	98.5
51	35.0	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 211.371 ug/l

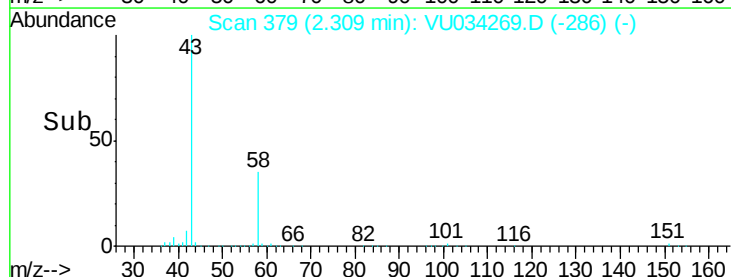
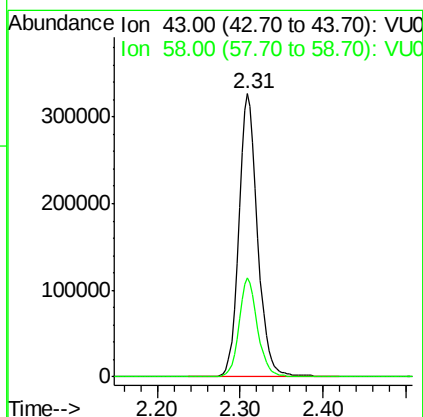
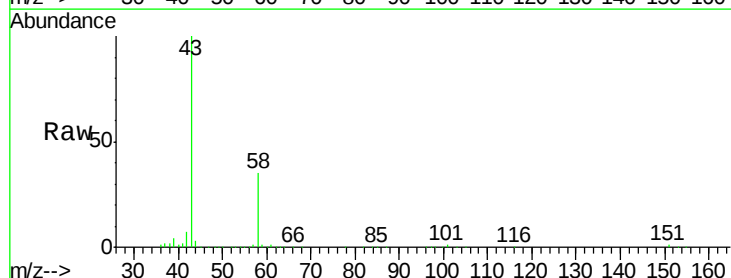
RT: 2.31 min Scan# 379

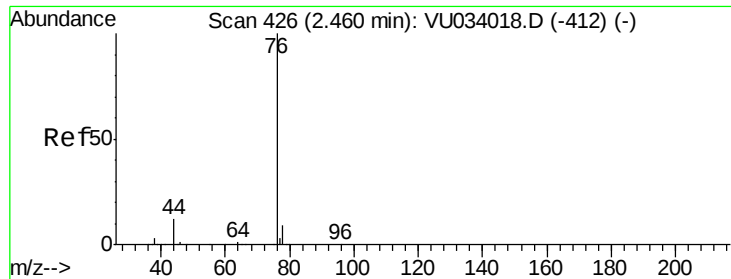
Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Tgt Ion:	43	Resp:	515447
Ion	Ratio	Lower	Upper
43	100		
58	34.8	26.8	40.2





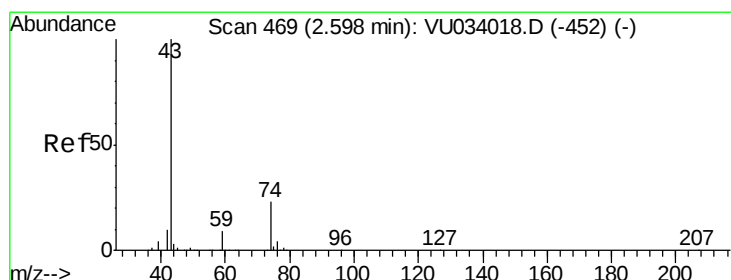
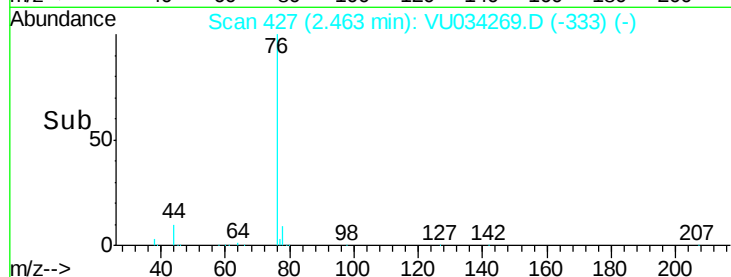
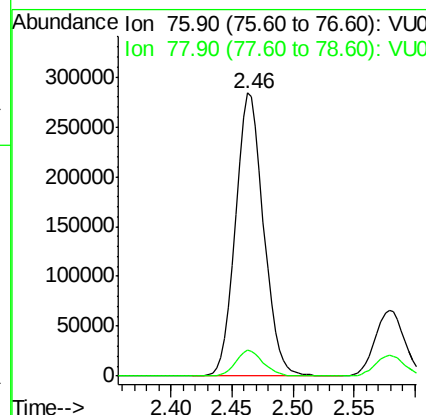
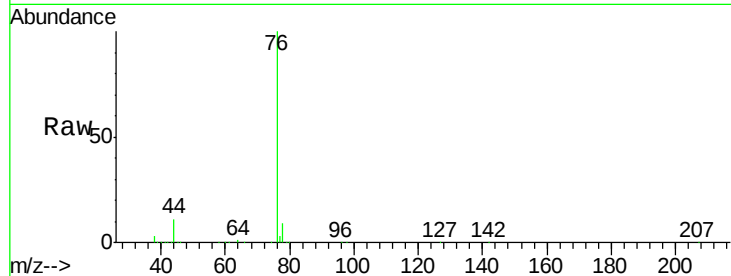
#17
Carbon Disulfide
Concen: 38.534 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

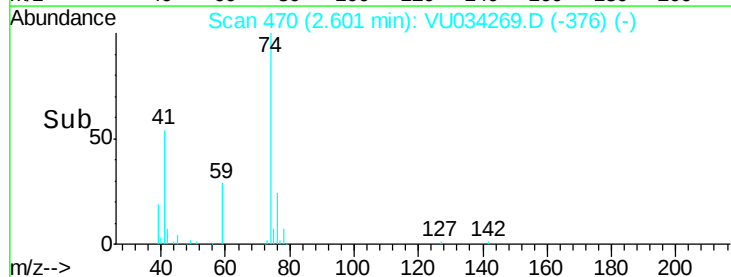
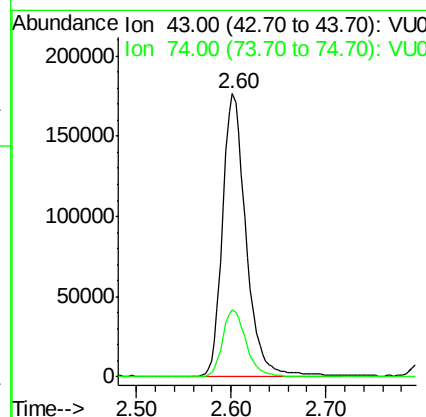
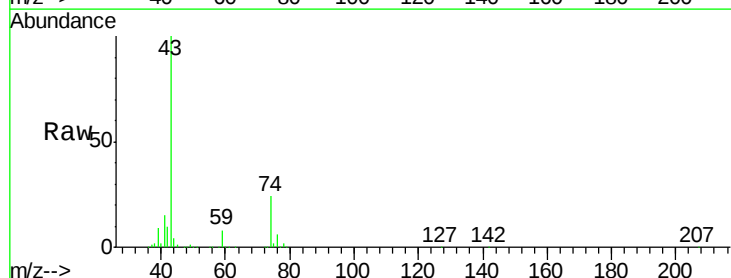
Manual Integrations
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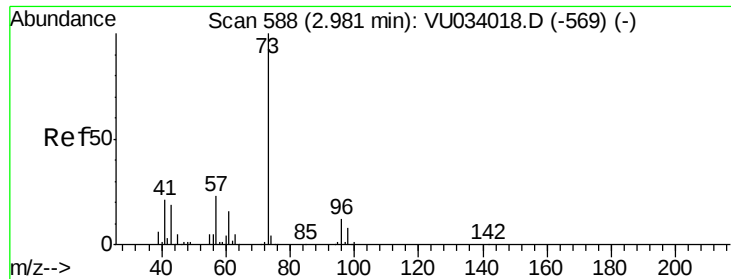
MMDadoda
9/5/2019 5:01:13 PM



#18
Methyl Acetate
Concen: 48.255 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8





#19

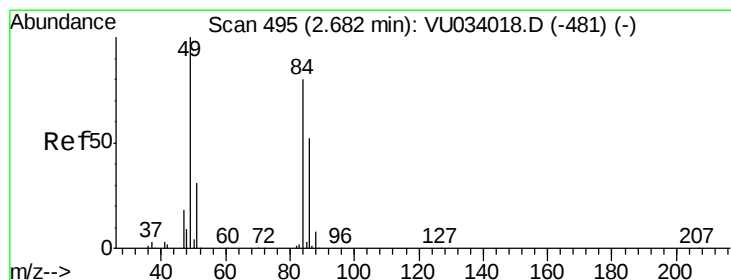
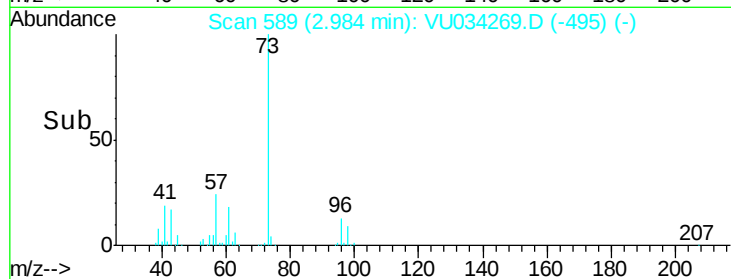
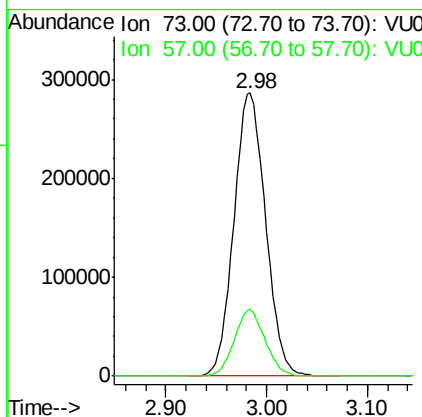
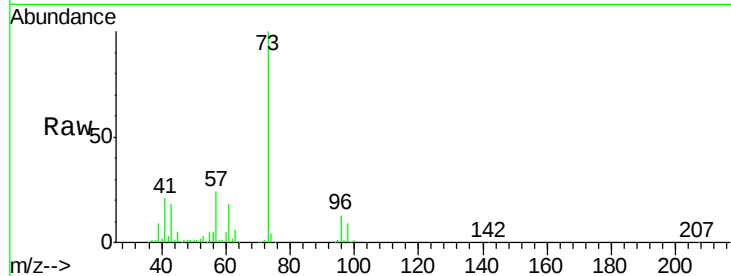
Methyl tert-butyl Ether
 Concen: 51.044 ug/l
 RT: 2.98 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.3	27.5

Manual Integrations
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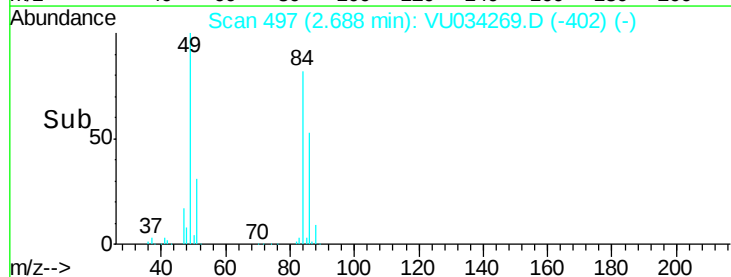
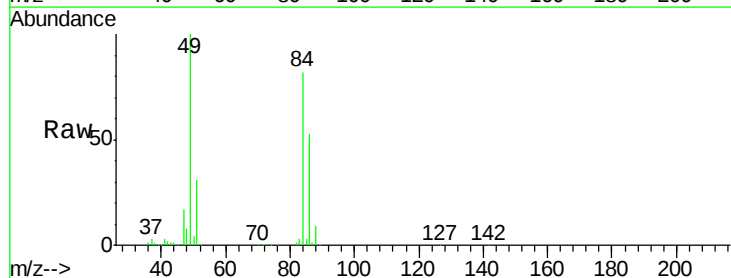
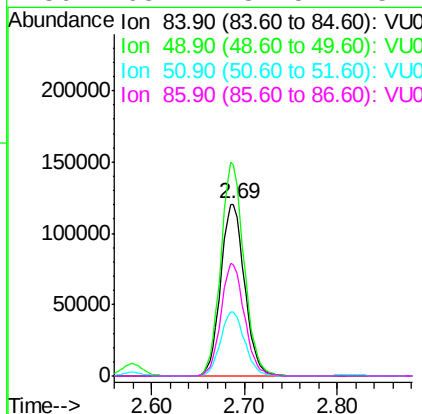
MMDadoda
 9/5/2019 5:01:13 PM

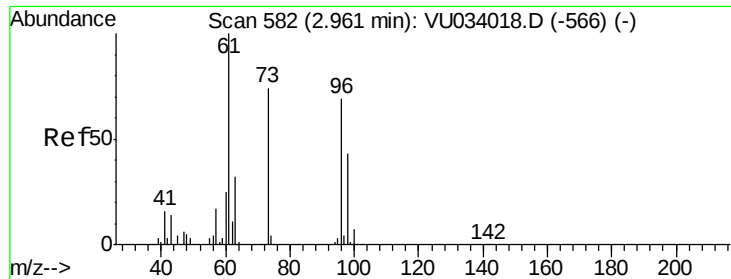


#20

Methylene Chloride
 Concen: 46.767 ug/l
 RT: 2.69 min Scan# 497
 Delta R.T. 0.01 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.5	100.2	150.4
51	37.4	30.8	46.2
86	65.1	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 46.480 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

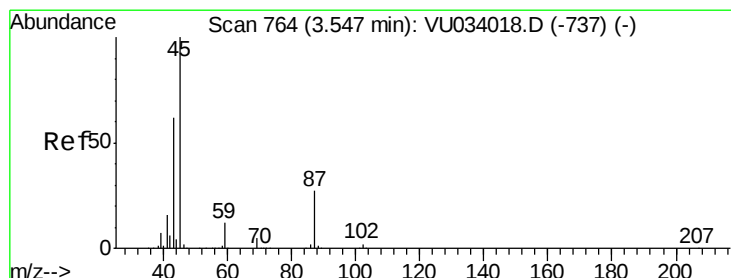
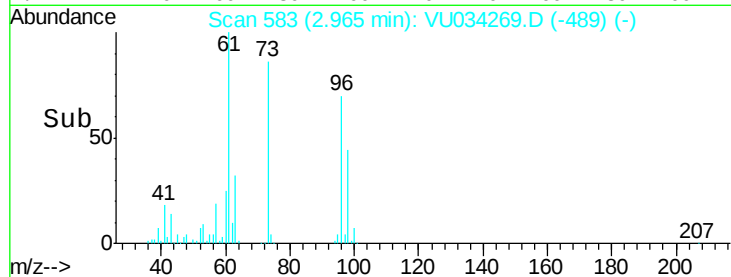
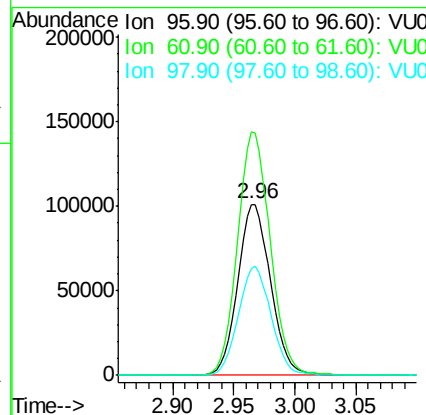
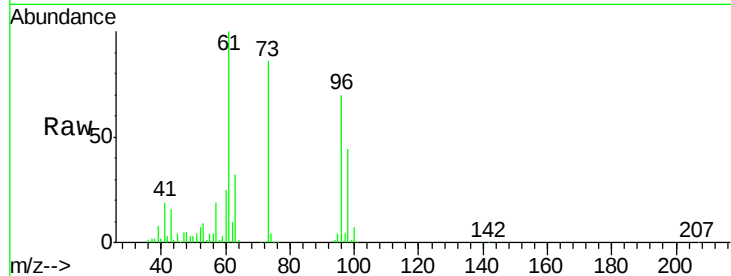
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	188360
Ion	Ratio	Lower	Upper
96	100		
61	142.5	115.5	173.3
98	62.4	50.1	75.1

Manual Integrations
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9/5/2019 5:01:13 PM



#22

Diisopropyl ether

Concen: 50.790 ug/l

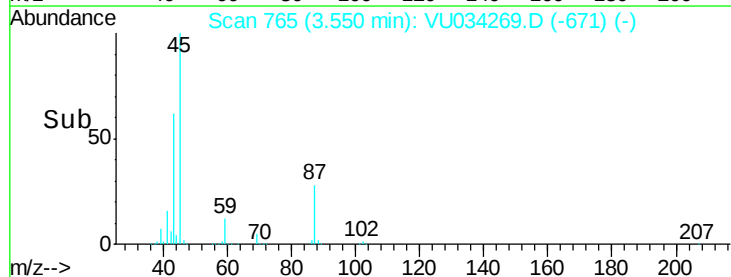
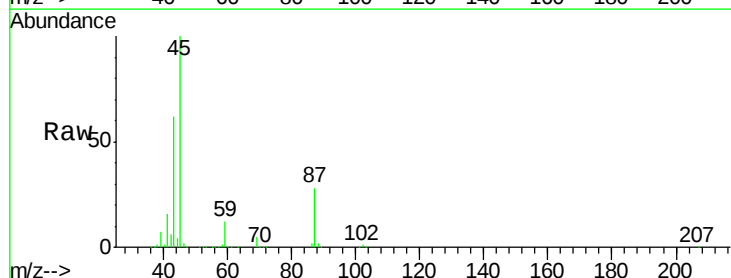
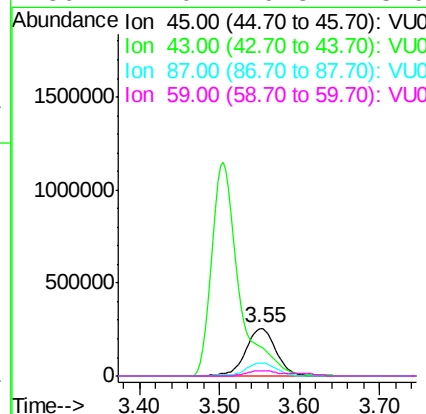
RT: 3.55 min Scan# 765

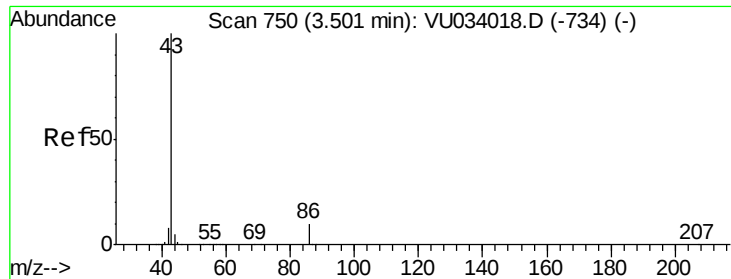
Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Tgt Ion:	45	Resp:	653389
Ion	Ratio	Lower	Upper
45	100		
43	61.6	49.7	74.5
87	27.7	21.8	32.8
59	12.0	9.3	13.9





#23

Vinyl Acetate

Concen: 246.430 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Tot Ion: 43 Resp: 2723313

Ion Ratio Lower Upper

43 100

86 10.5 8.3 12.5

Instrument :

MSVOA_U

ClientSampleId :

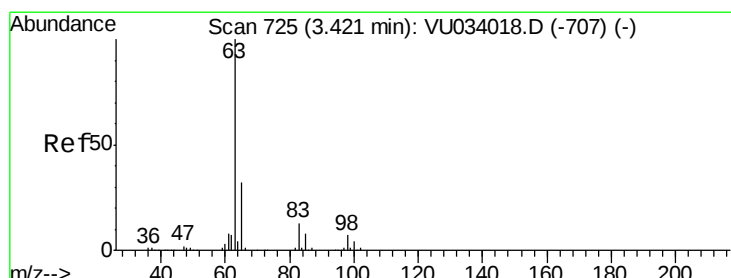
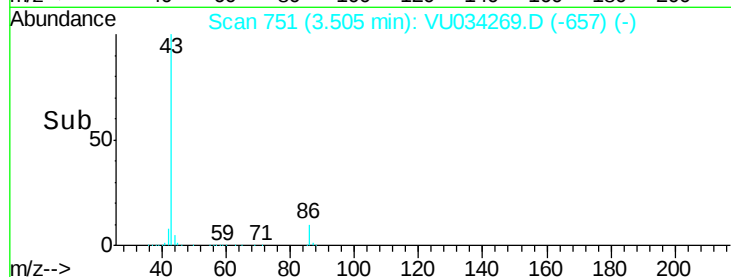
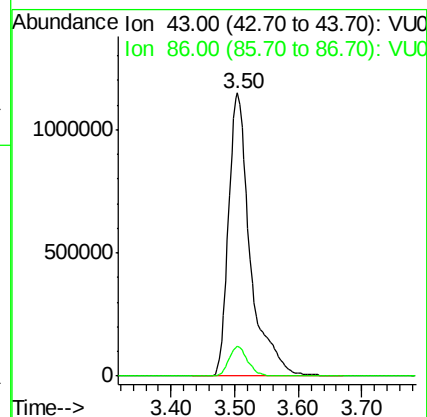
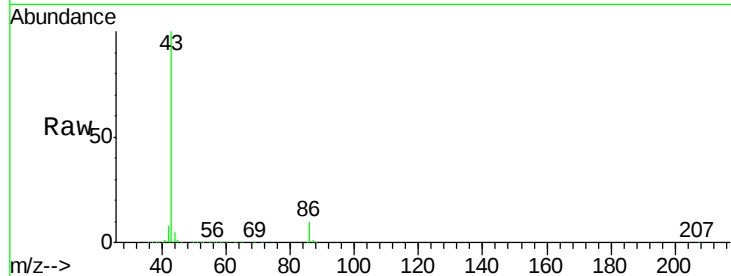
VSTDCCC050EC

Manual Integrations

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9/5/2019 5:01:13 PM



#24

1,1-Dichloroethane

Concen: 48.884 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

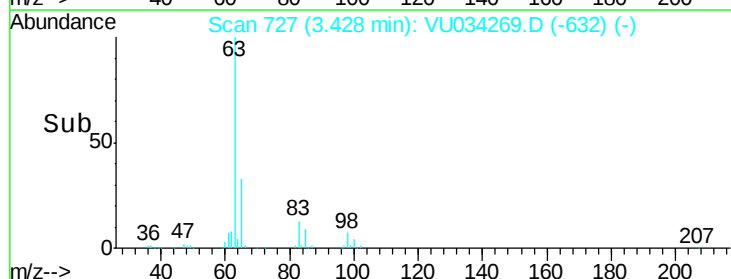
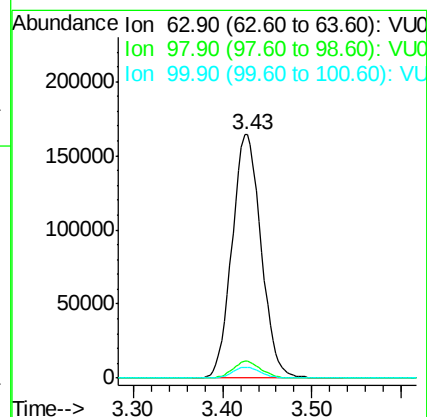
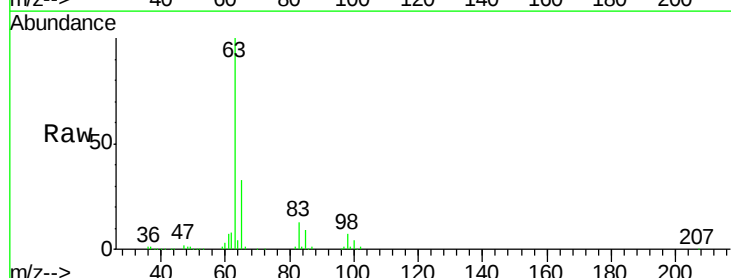
Tgt Ion: 63 Resp: 371281

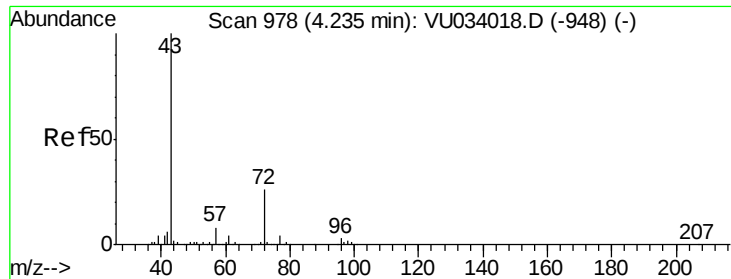
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 244.348 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 829006

Ion Ratio Lower Upper

43 100

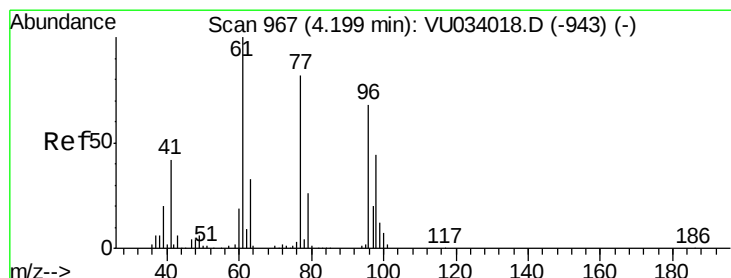
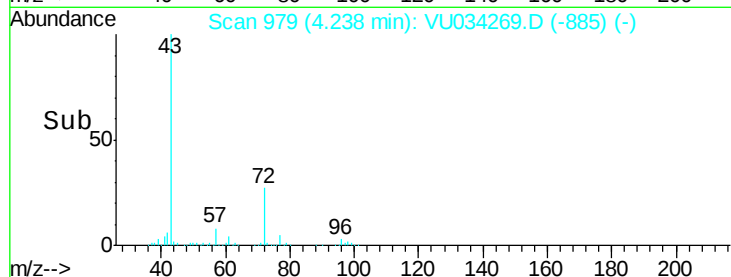
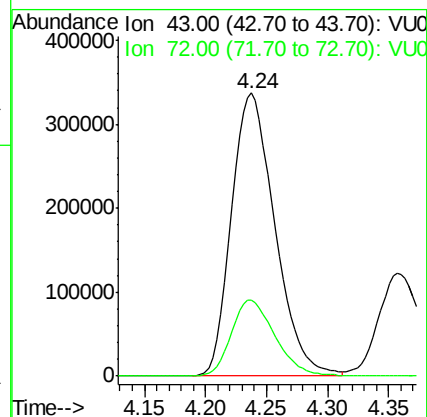
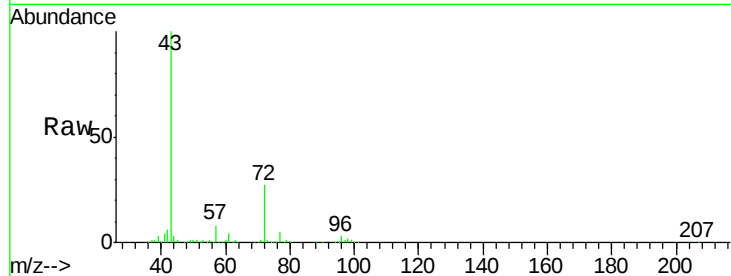
72 27.0 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.266 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034269.D

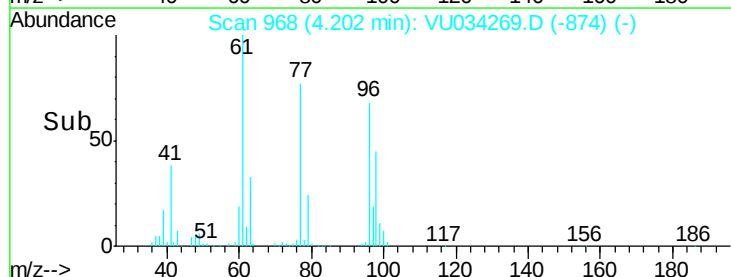
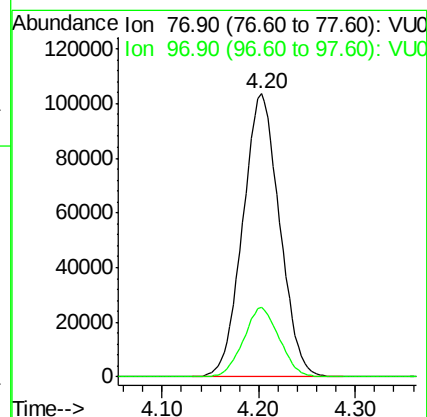
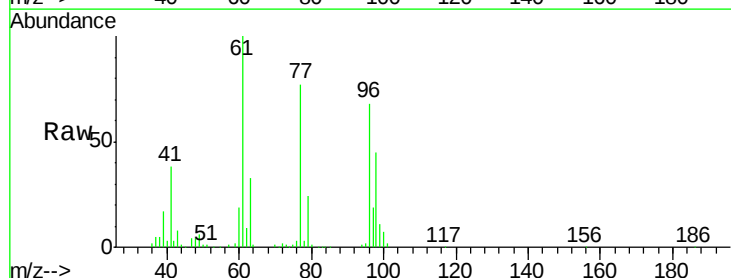
Acq: 04 Sep 2019 19:37

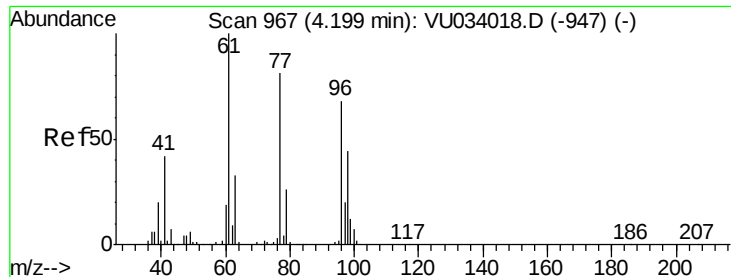
Tgt Ion: 77 Resp: 273570

Ion Ratio Lower Upper

77 100

97 23.9 11.6 34.7





#27

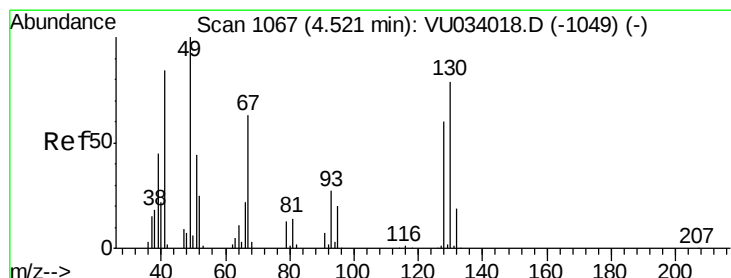
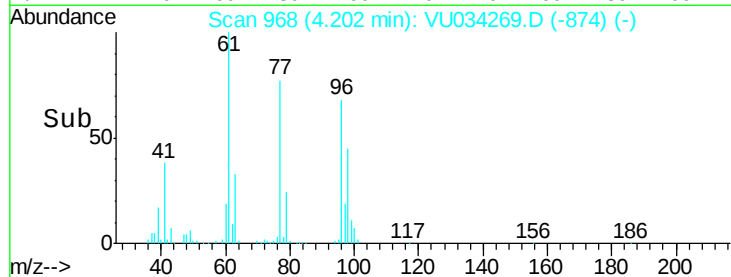
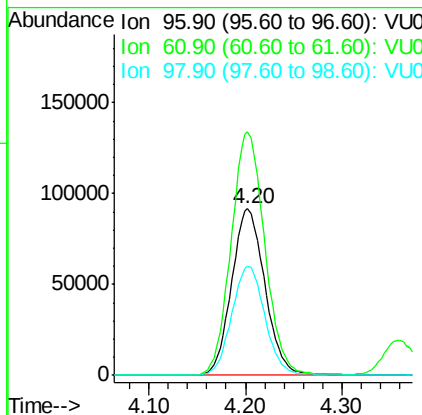
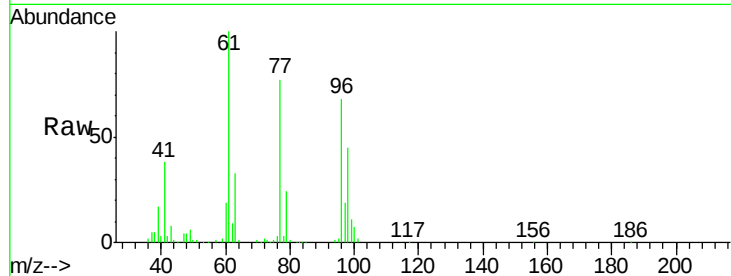
cis-1,2-Dichloroethene
Concen: 48.372 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	220025		
61	147.4		0.0	303.0
98	65.4		0.0	129.2

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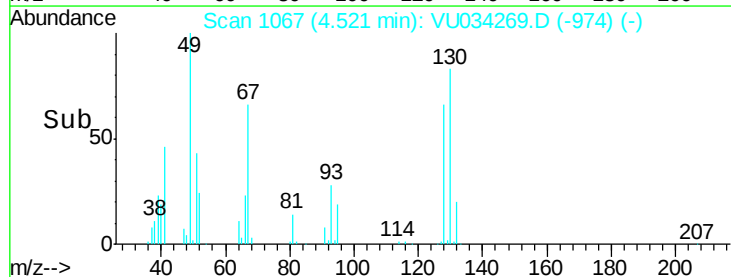
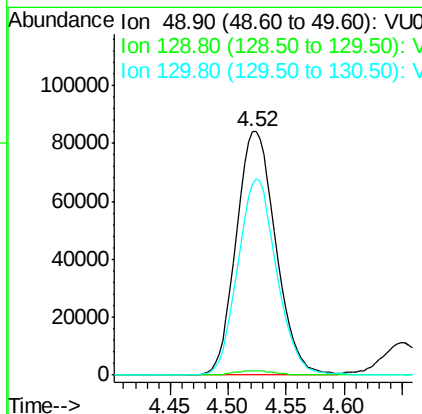
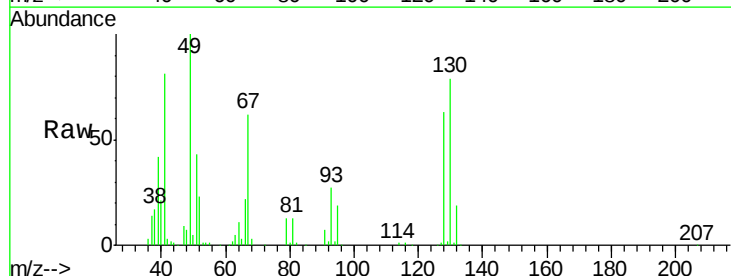
MMDadoda
9/5/2019 5:01:13 PM

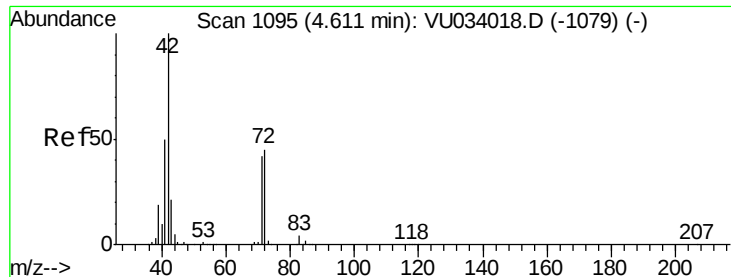


#28

Bromochloromethane
Concen: 53.521 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	200273		
129	1.9		0.0	3.6
130	79.1		62.8	94.2





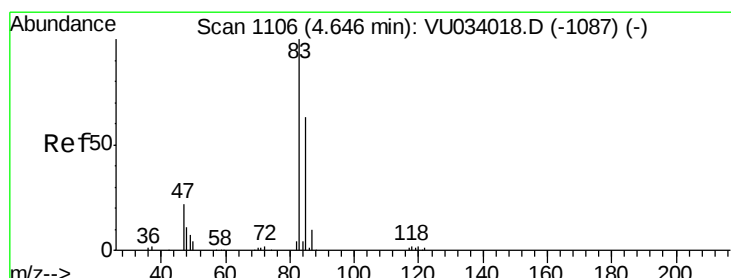
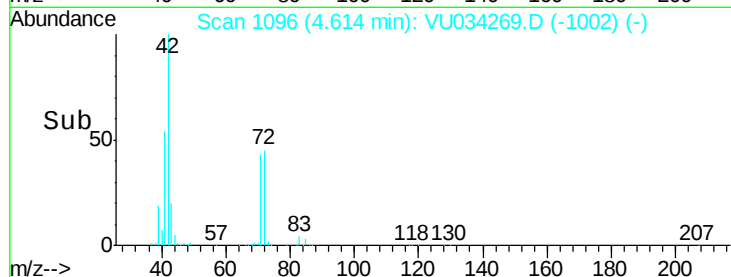
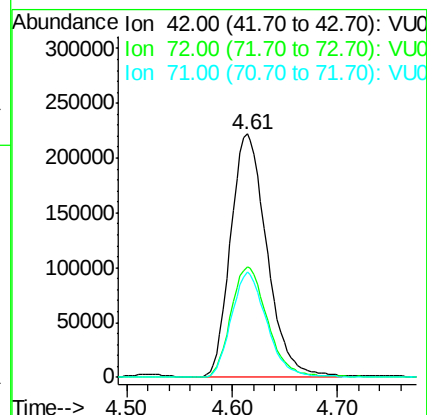
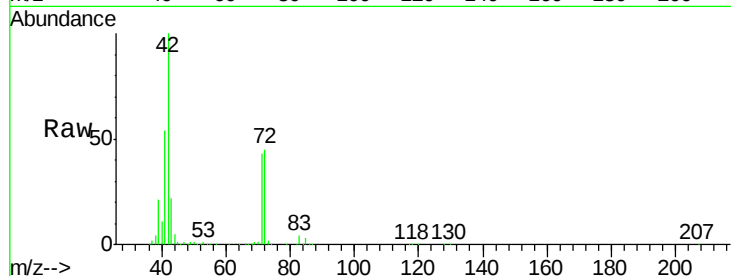
#29
Tetrahydrofuran
Concen: 251.967 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	35.8	53.6
71	42.4	34.0	51.0

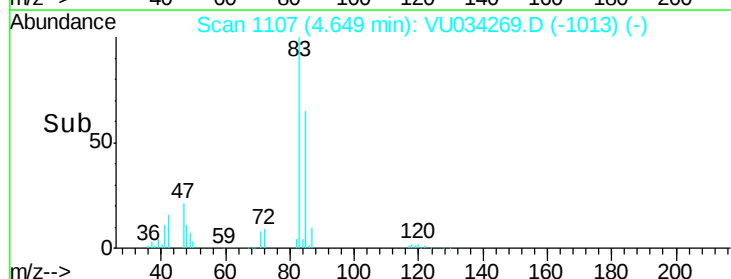
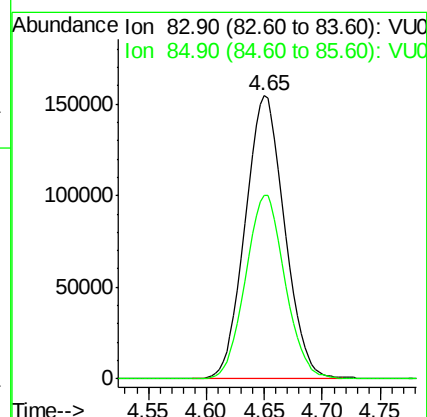
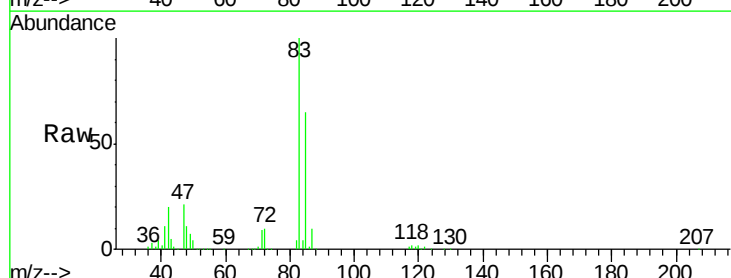
Manual Integrations
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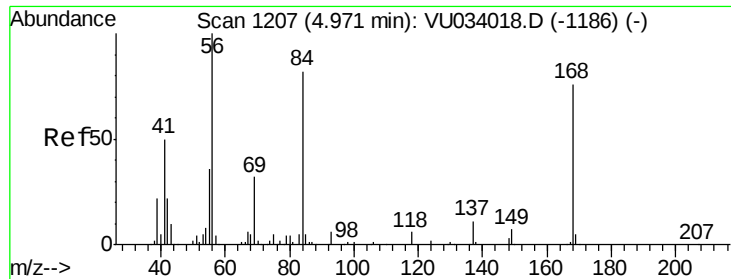
MMDadoda
9/5/2019 5:01:13 PM



#30
Chloroform
Concen: 48.359 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.7	76.1





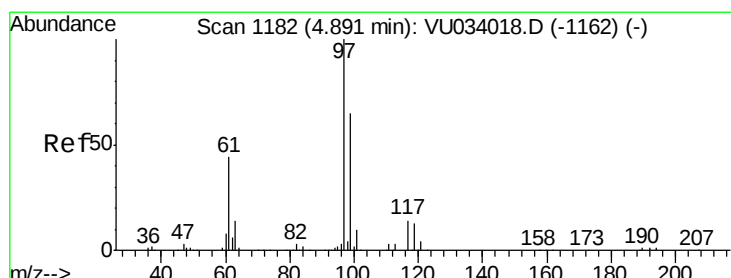
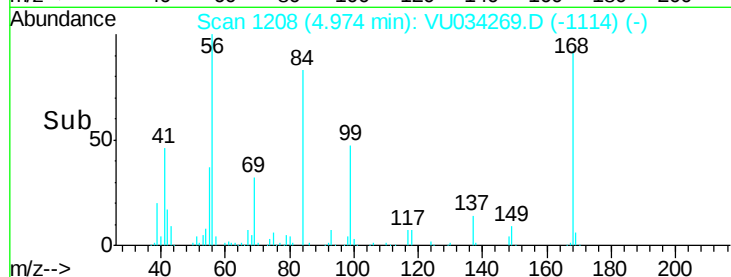
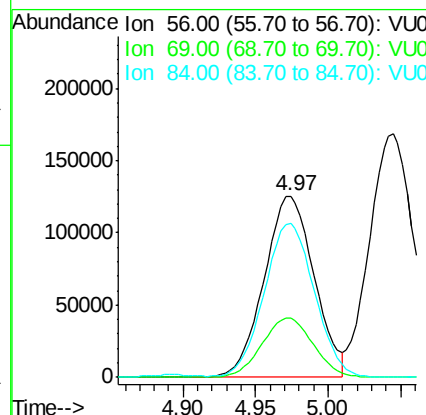
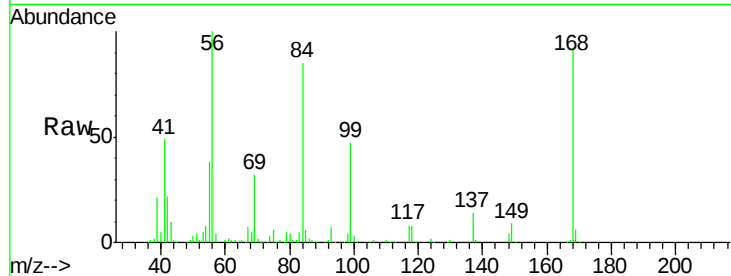
#31
Cyclohexane
Concen: 42.160 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
56	100	300885		
69	32.3		25.4	38.0
84	83.6		65.8	98.8

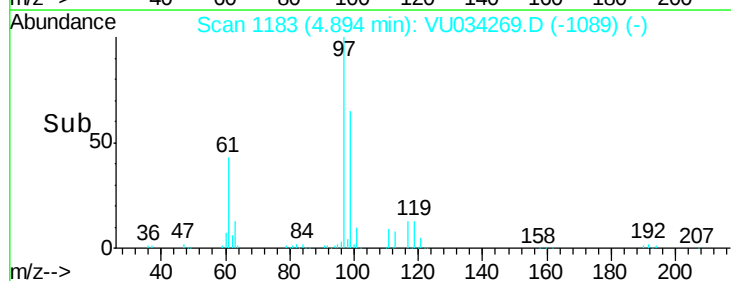
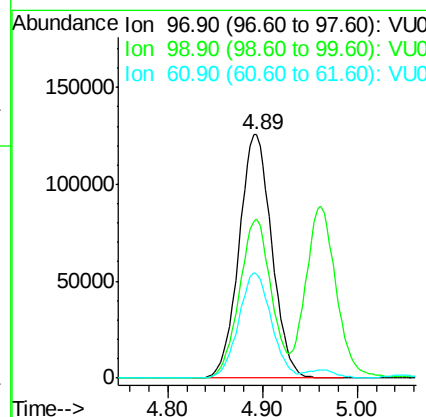
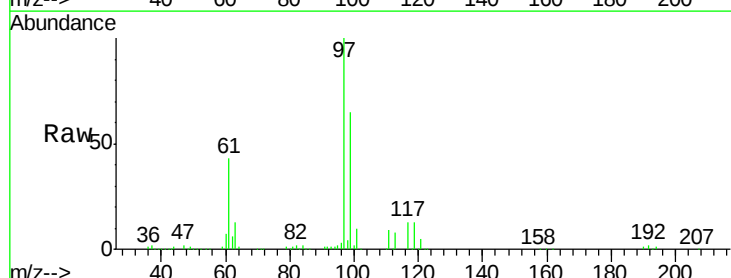
Manual Integrations
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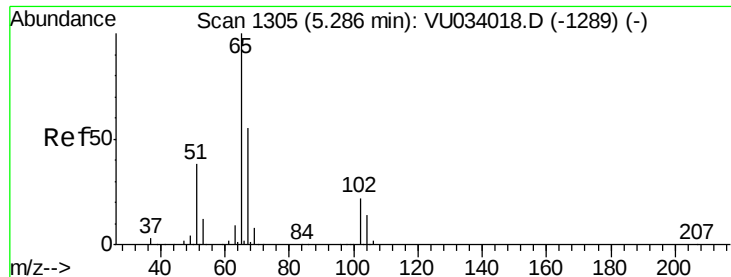
MMDadoda
9/5/2019 5:01:13 PM



#32
1,1,1-Trichloroethane
Concen: 48.678 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	302110		
99	64.2		51.8	77.6
61	43.1		35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 46.403 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 221771

Ion Ratio Lower Upper

65 100

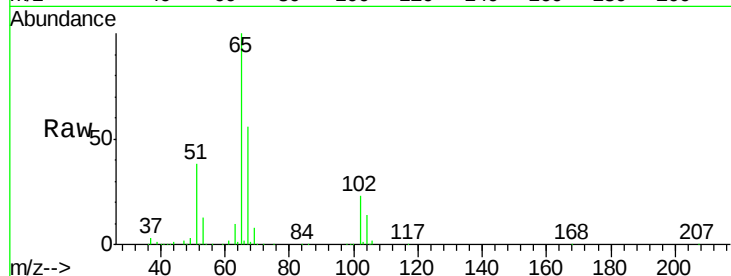
67 55.9 0.0 110.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VU034269.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034269.D (-1212) (-)

5.29

120000

100000

80000

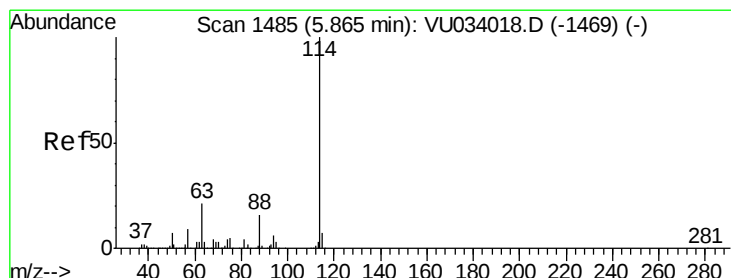
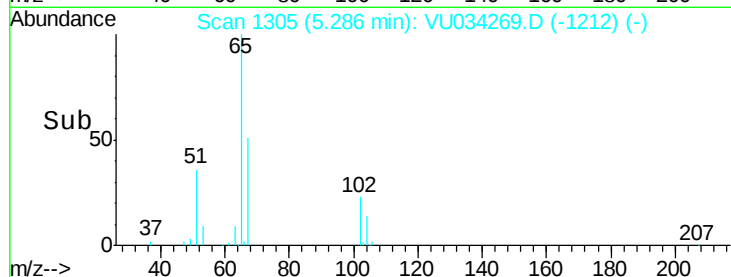
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

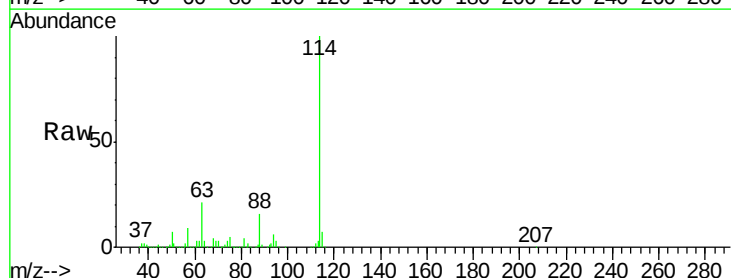
Tgt Ion: 114 Resp: 594890

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.0

88 16.1 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU034269.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU034269.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU034269.D (-1392) (-)

5.86

400000

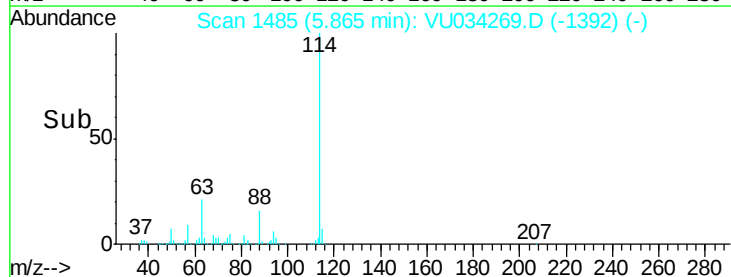
300000

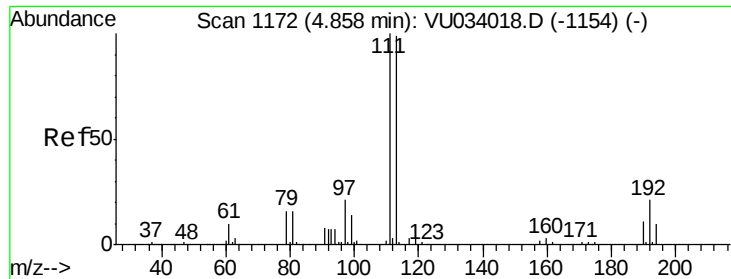
200000

100000

0

Time-->





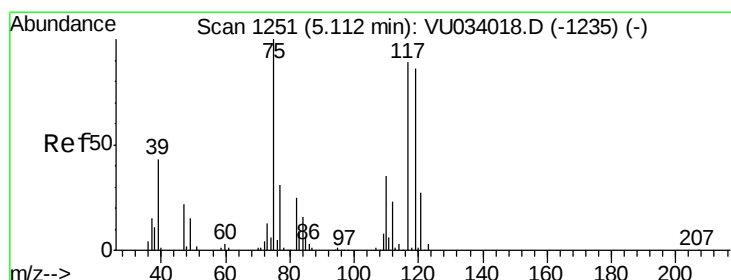
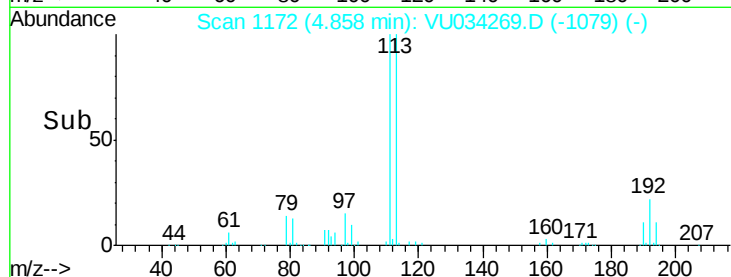
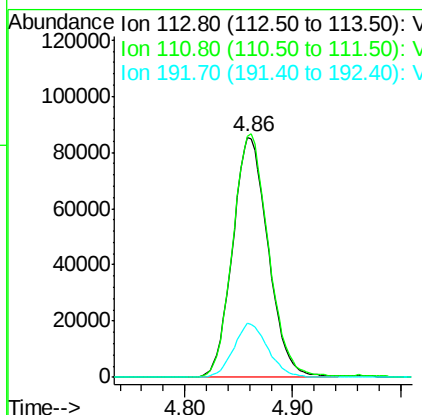
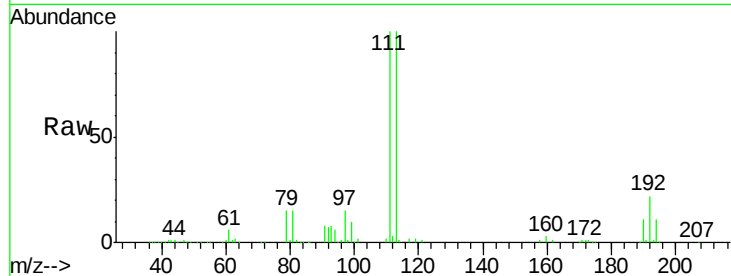
#35
 Dibromofluoromethane
 Concen: 47.526 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	196096		
111	101.9	81.7	122.5	
192	21.8	17.1	25.7	

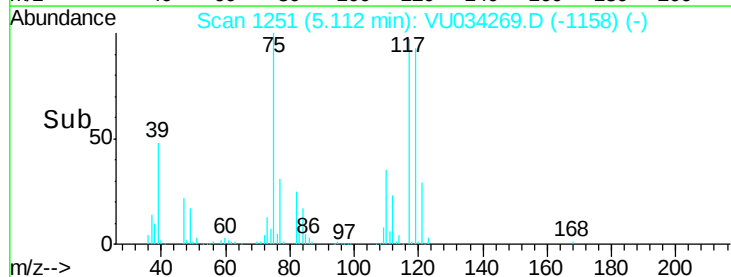
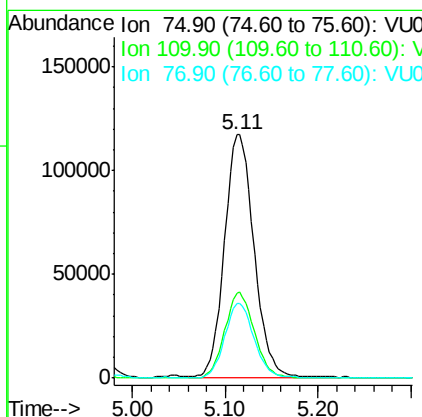
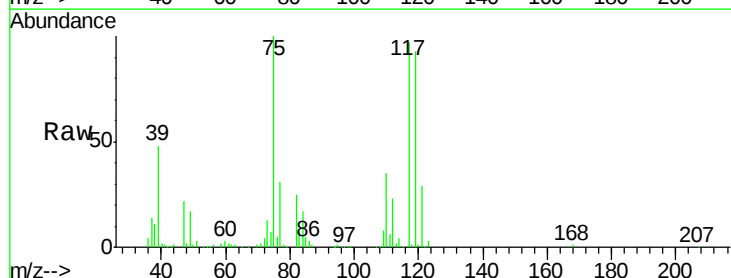
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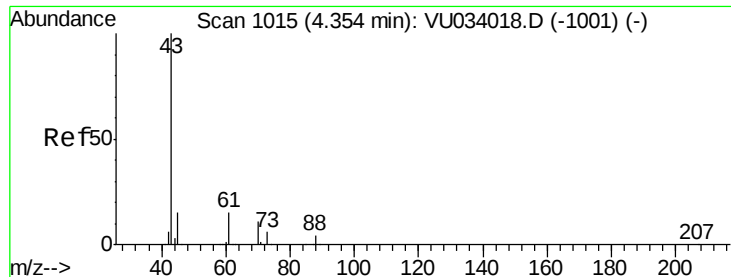
MMDadoda
 9/5/2019 5:01:13 PM



#36
 1,1-Dichloropropene
 Concen: 45.674 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	257006		
110	35.9	17.8	53.5	
77	31.1	25.0	37.4	





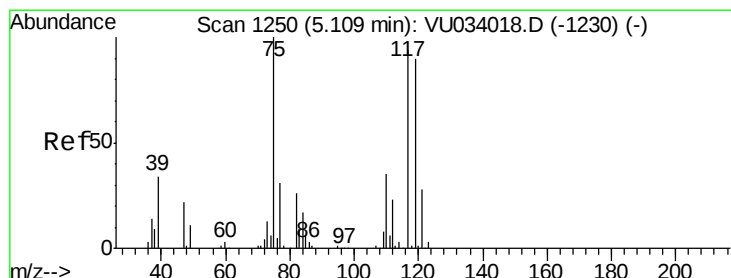
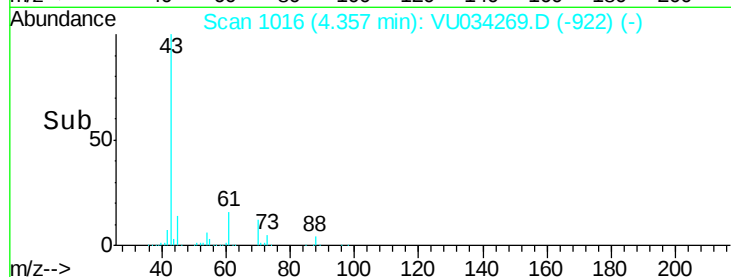
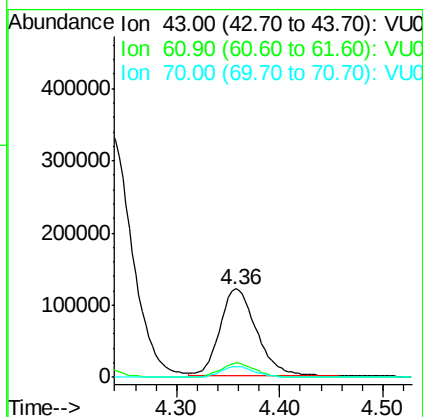
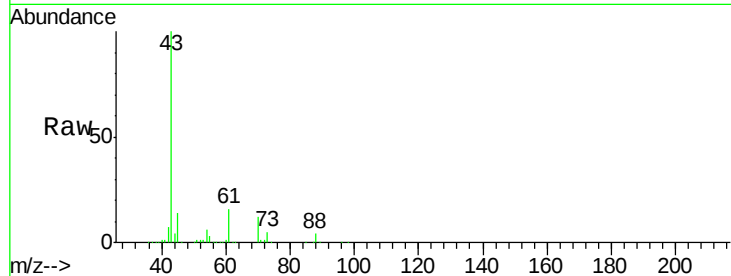
#37
Ethyl Acetate
Concen: 47.749 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.5	17.3
70	11.5	8.6	12.8

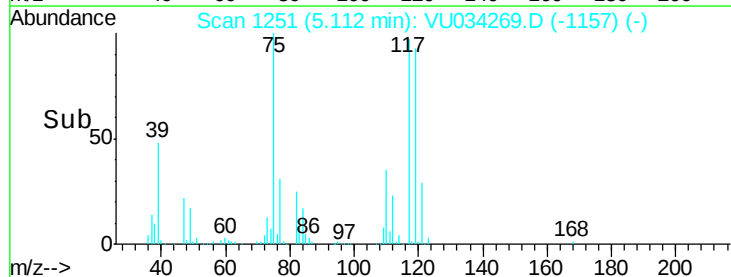
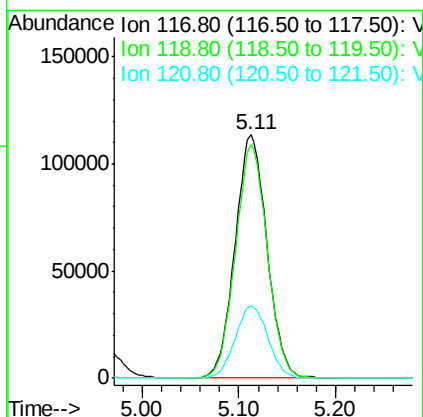
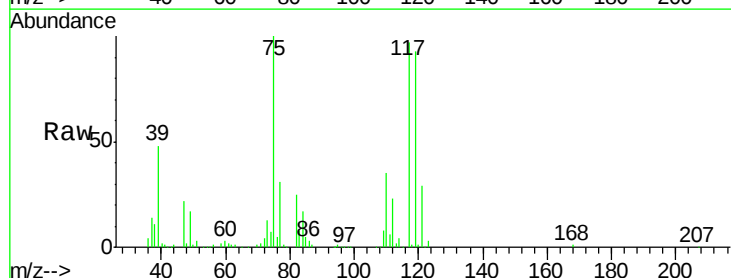
Manual Integrations
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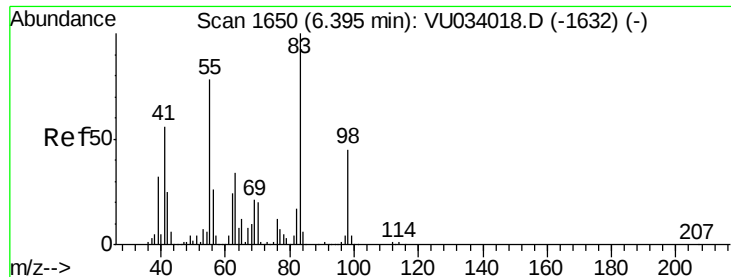
MMDadoda
9/5/2019 5:01:13 PM



#38
Carbon Tetrachloride
Concen: 47.787 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.0	115.4
121	29.6	23.9	35.9





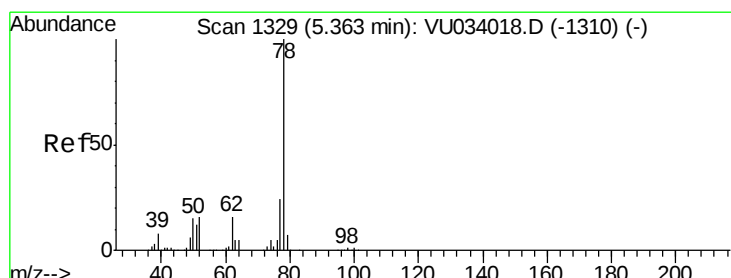
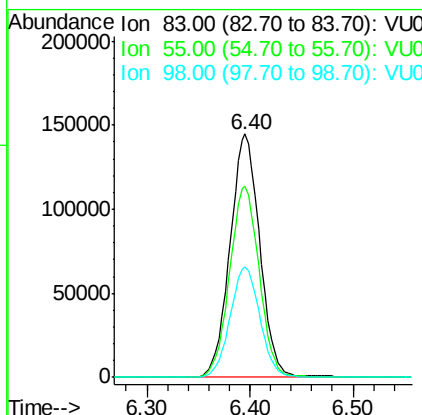
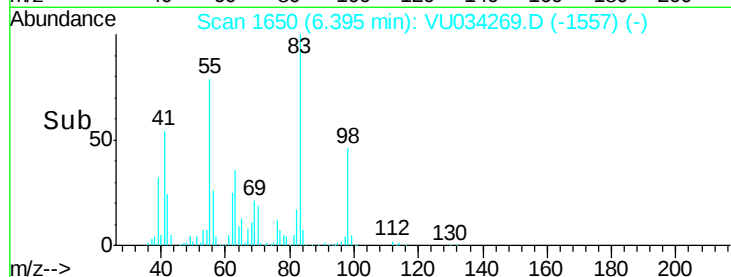
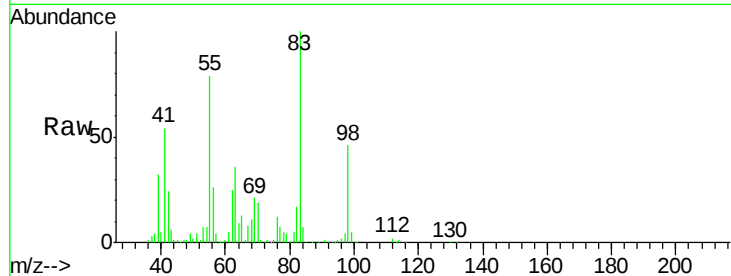
#39
Methvlcvclohexane
Concen: 43.866 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	290922		
55	78.7		62.3	93.5
98	45.6		36.2	54.2

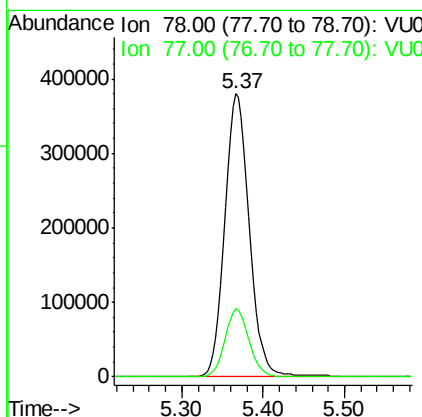
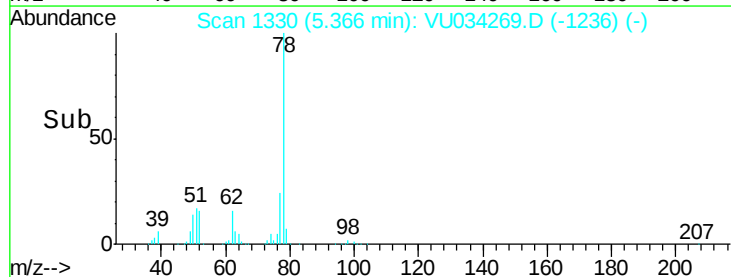
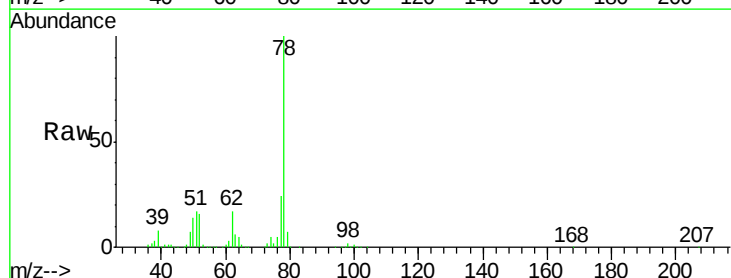
Manual Integrations
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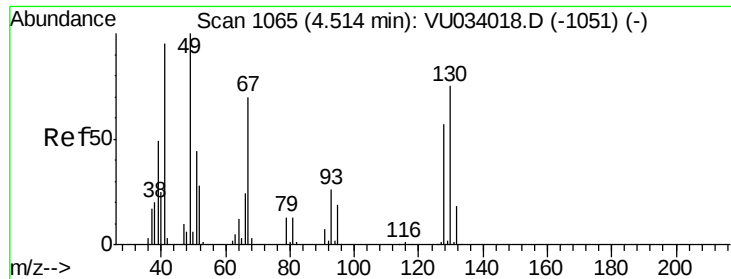
MMDadoda
9/5/2019 5:01:13 PM



#40
Benzene
Concen: 47.583 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	810073		
77	23.9		19.0	28.6





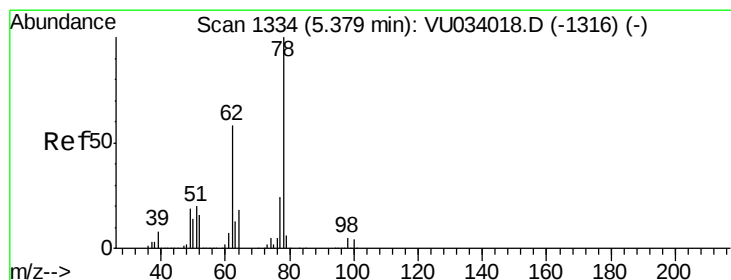
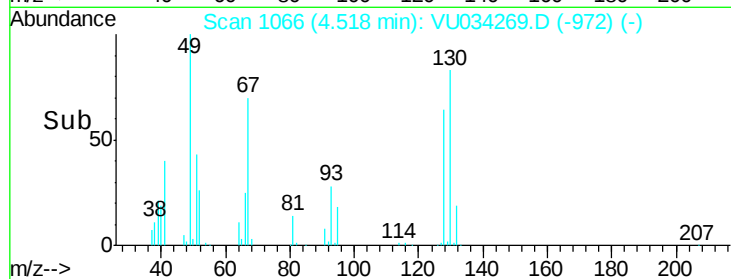
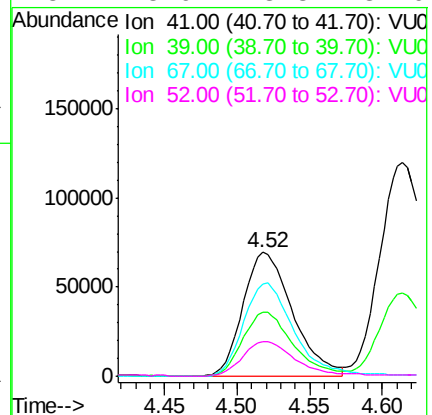
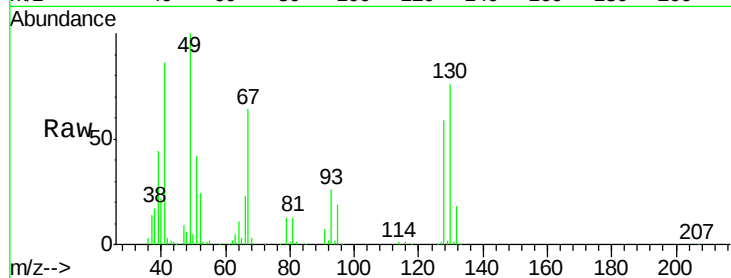
#41
Methacrylonitrile
Concen: 51.108 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.0	42.1	63.1
67	77.6	61.0	91.4
52	28.9	23.3	34.9

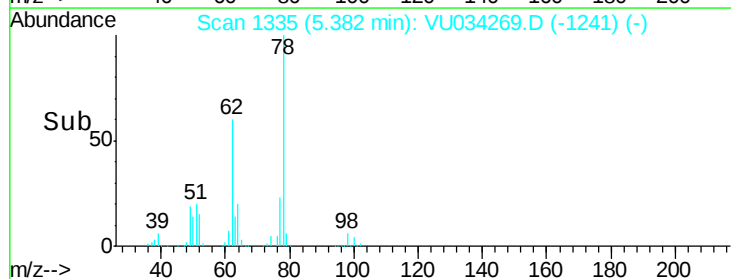
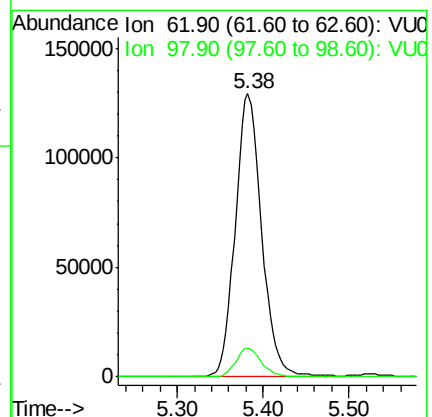
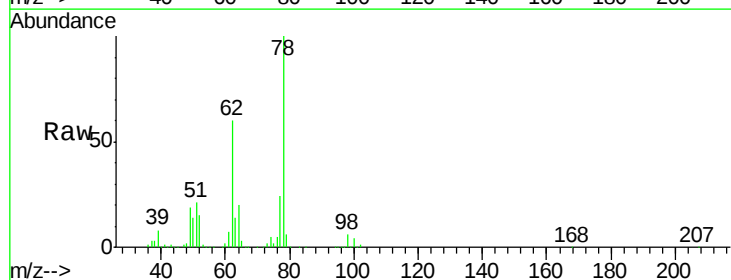
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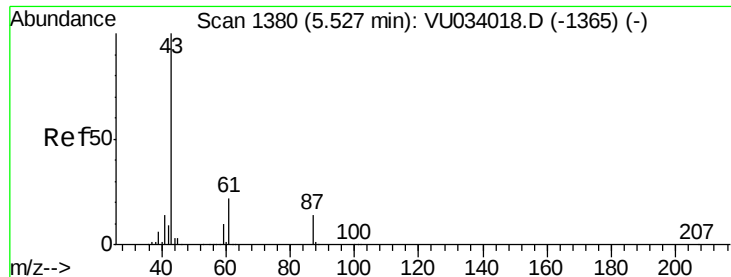
MMDadoda
9/5/2019 5:01:13 PM



#42
1,2-Dichloroethane
Concen: 46.869 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.2





#43

Isopropyl Acetate

Concen: 48.582 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

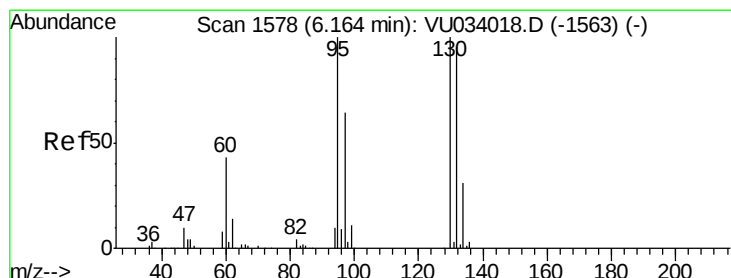
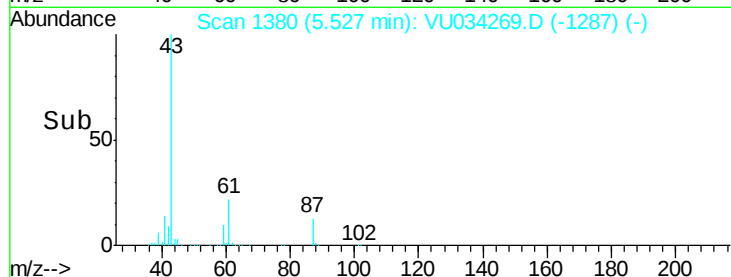
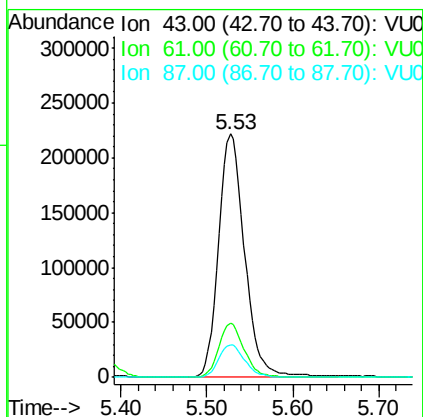
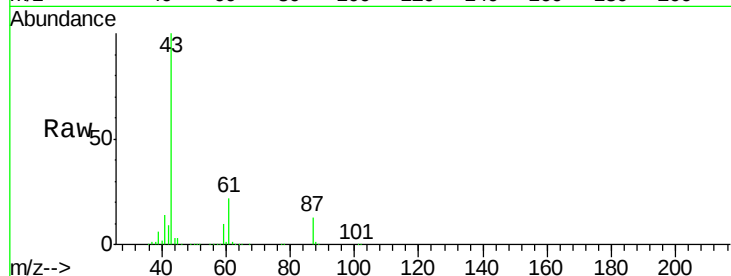
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	465717
Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.2	25.8
87	13.5	10.8	16.2

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#44

Trichloroethene

Concen: 49.760 ug/l

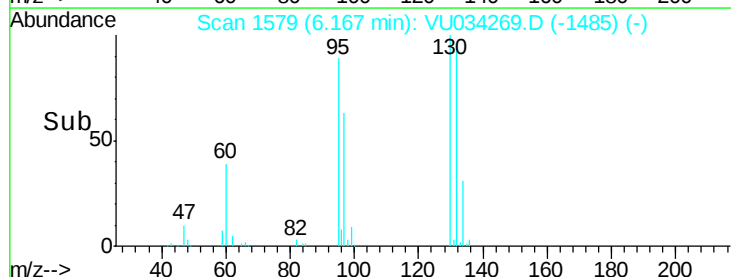
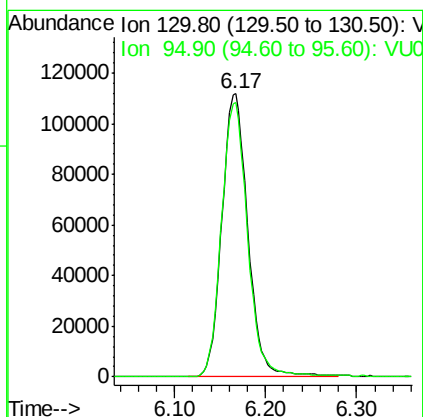
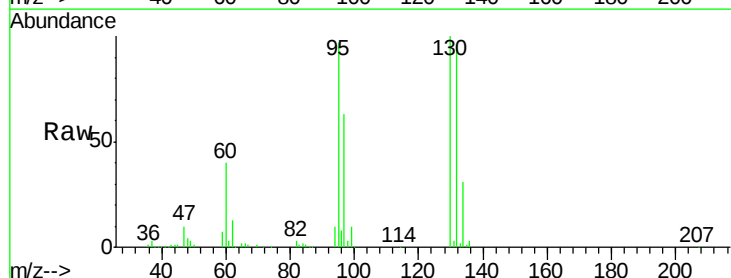
RT: 6.17 min Scan# 1579

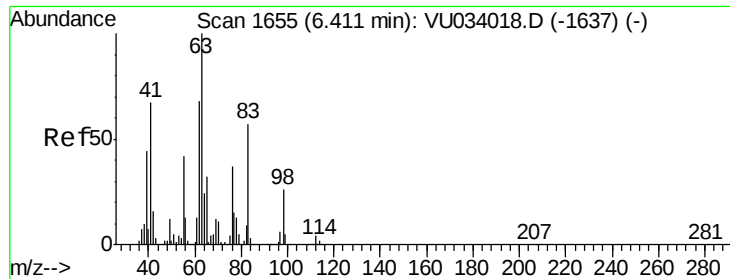
Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Tgt Ion:	130	Resp:	222458
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	199.6





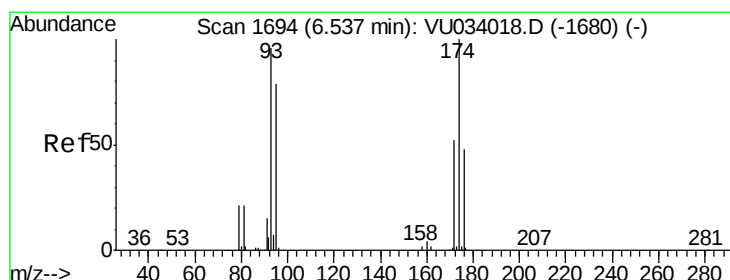
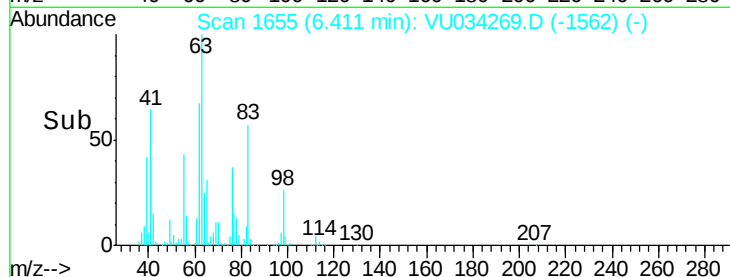
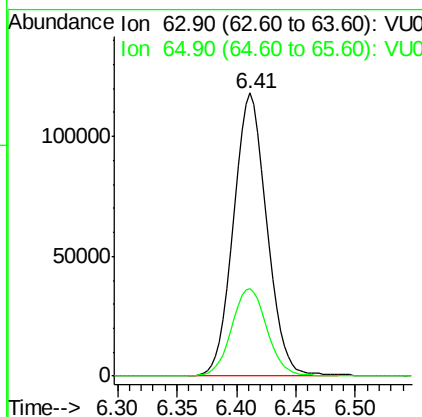
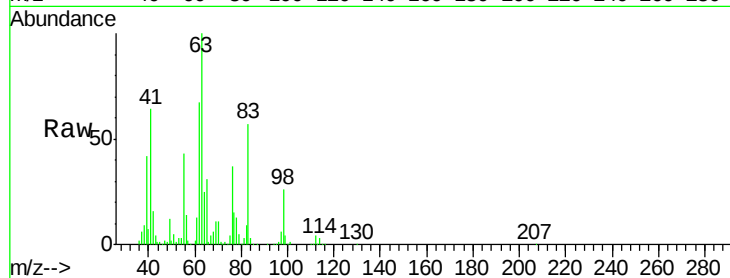
#45
 1,2-Dichloropropane
 Concen: 49.026 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	229754		
65	30.8		25.4	38.2

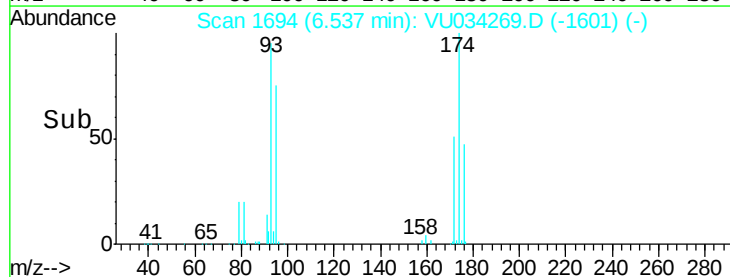
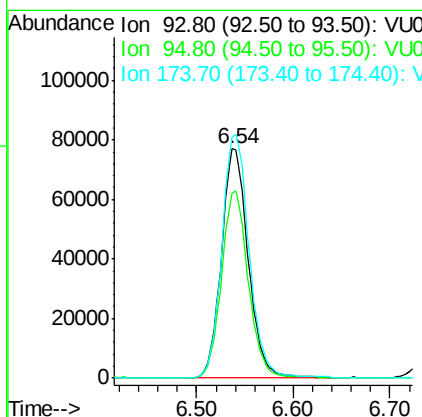
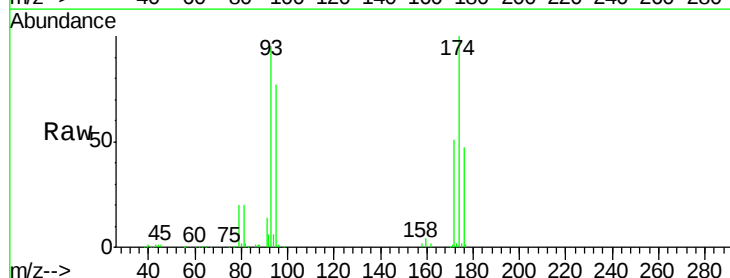
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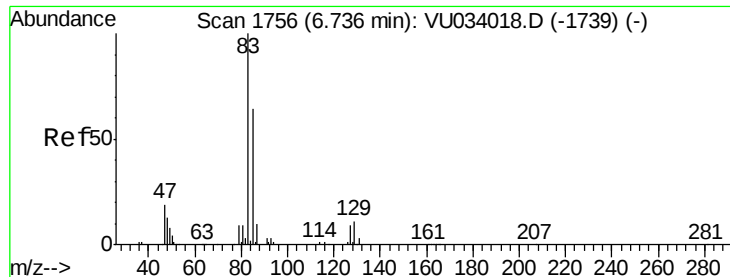
MMDadoda
 9/5/2019 5:01:13 PM



#46
 Dibromomethane
 Concen: 49.236 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	148656		
95	80.6		66.7	100.1
174	107.9		84.9	127.3





#47

Bromodichloromethane

Concen: 49.413 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

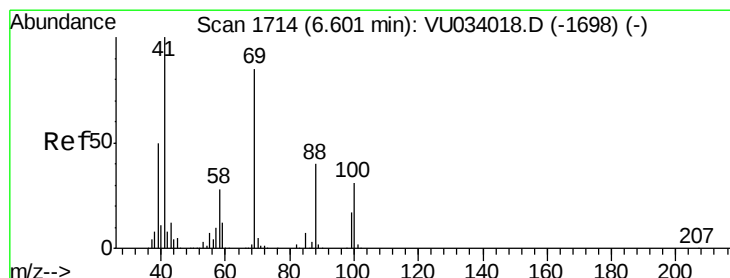
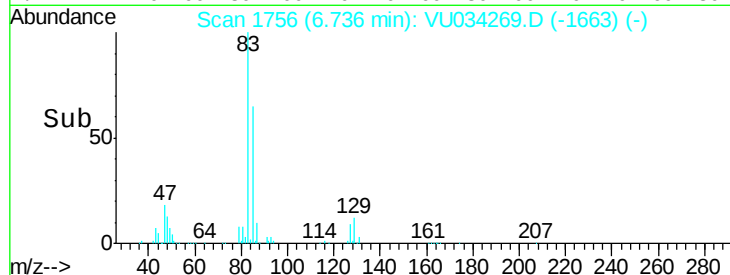
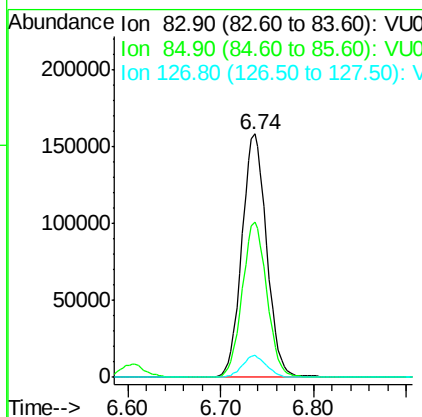
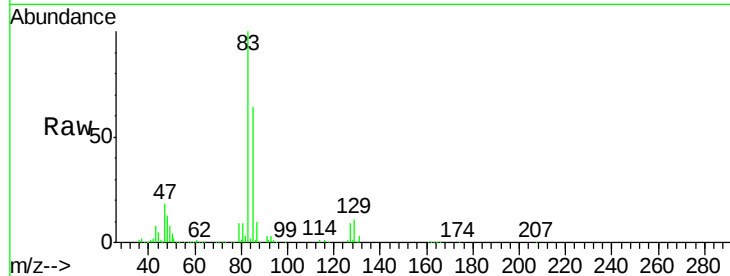
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	291890
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.2	76.8
127	8.9	7.0	10.6

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#48

Methyl methacrylate

Concen: 47.960 ug/l

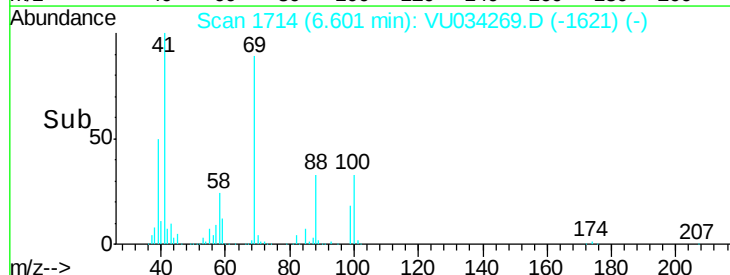
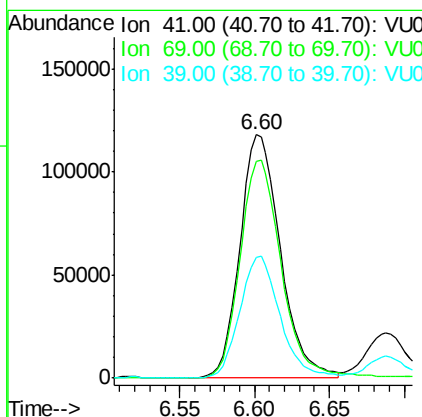
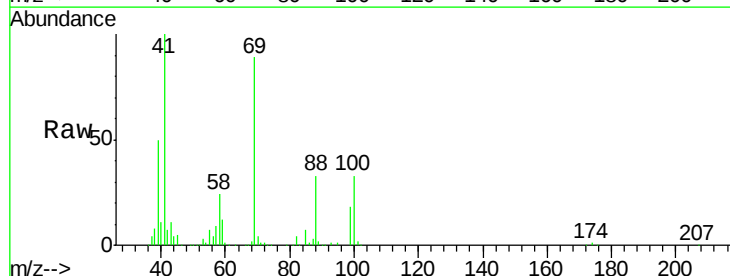
RT: 6.60 min Scan# 1714

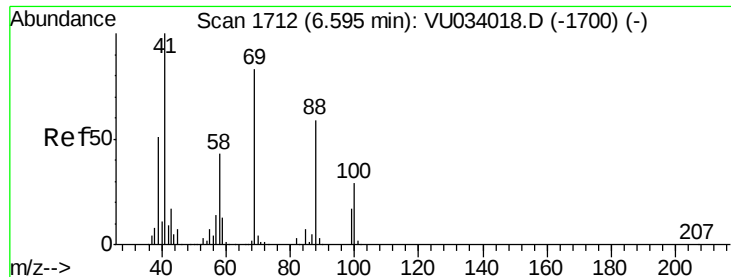
Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Tgt Ion:	41	Resp:	221856
Ion	Ratio	Lower	Upper
41	100		
69	92.2	69.5	104.3
39	49.7	40.3	60.5





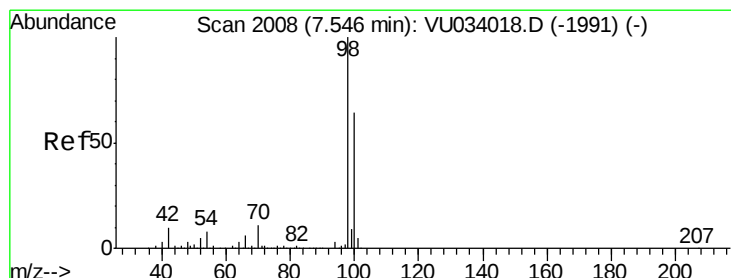
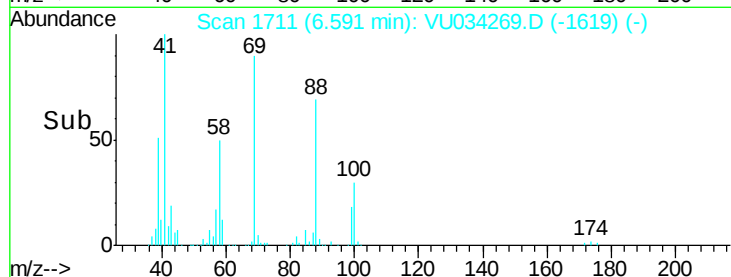
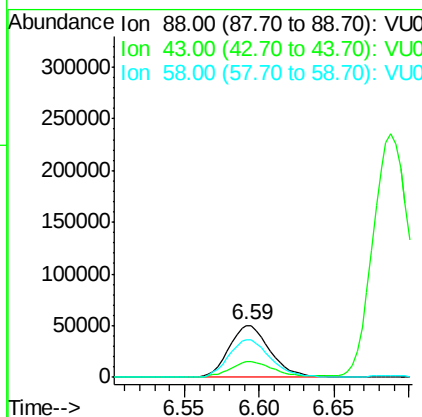
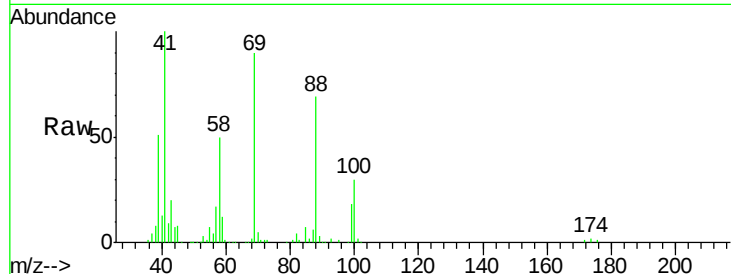
#49
1,4-Dioxane
Concen: 817.596 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	24.8	37.2
58	74.9	59.3	88.9

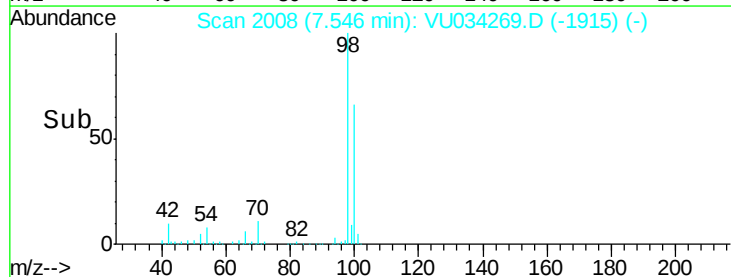
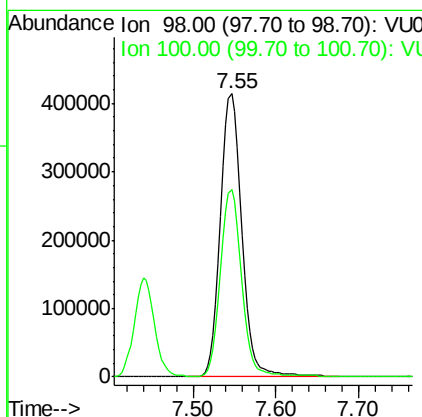
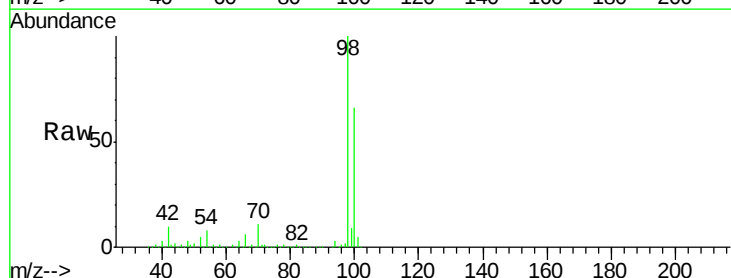
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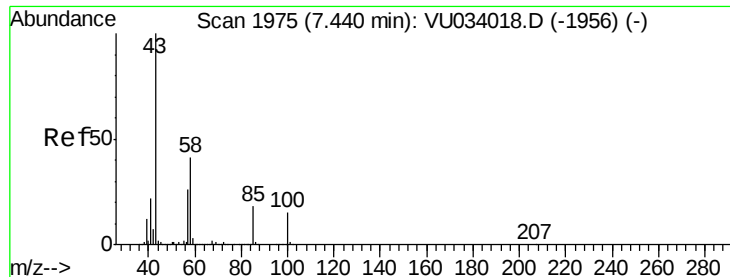
MMDadoda
9/5/2019 5:01:13 PM



#50
Toluene-d8
Concen: 48.231 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 241.353 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1597827

Ion Ratio Lower Upper

43 100

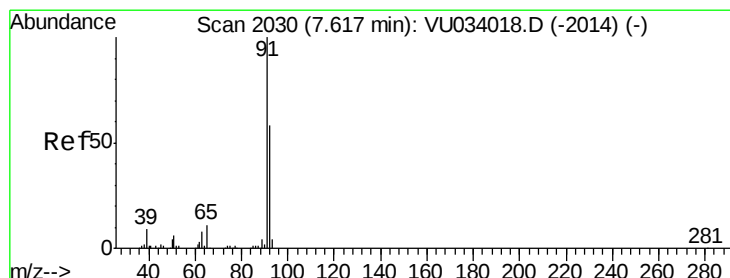
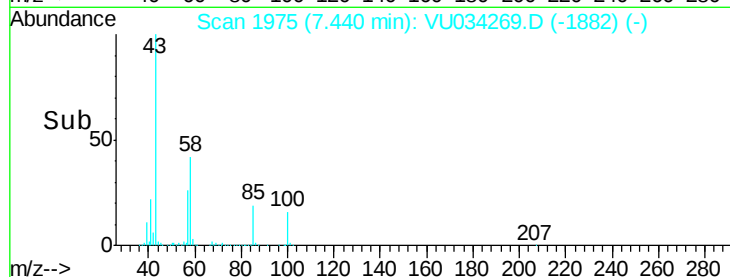
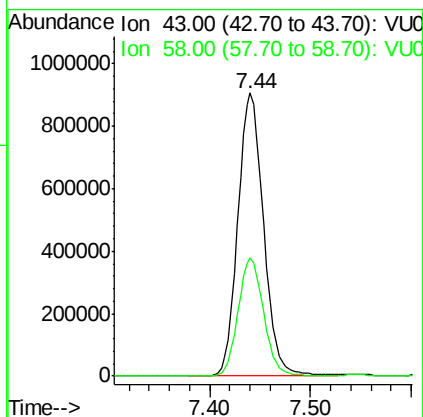
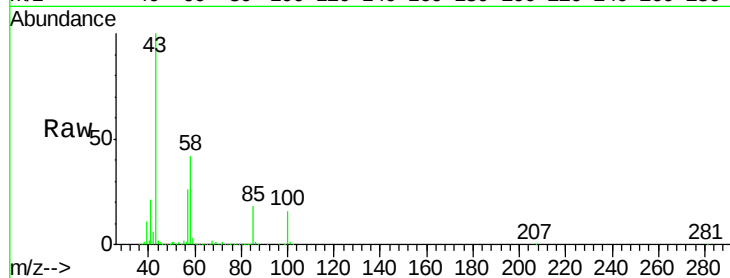
58 41.4 32.2 48.4

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#52

Toluene

Concen: 48.866 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034269.D

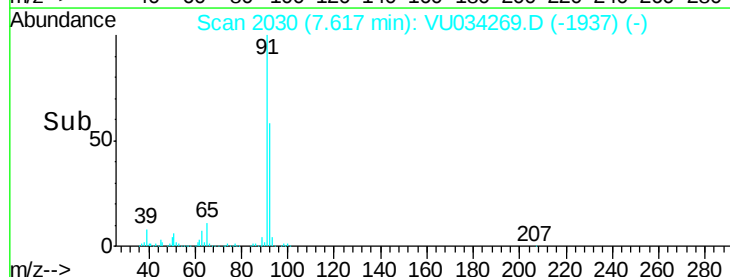
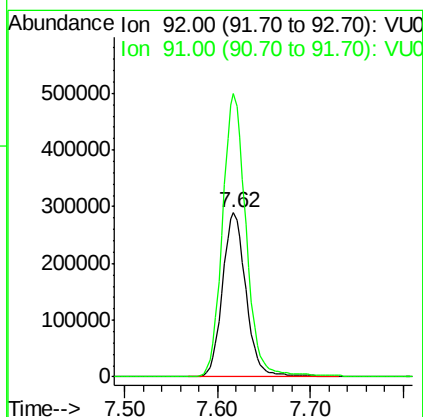
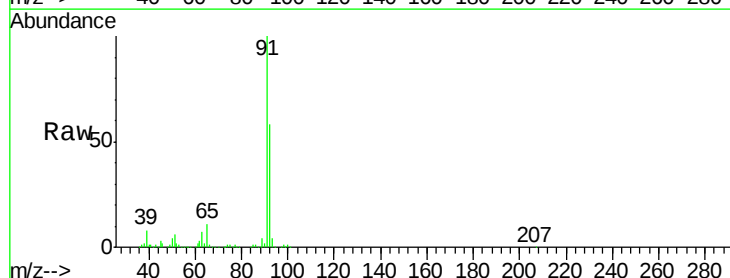
Acq: 04 Sep 2019 19:37

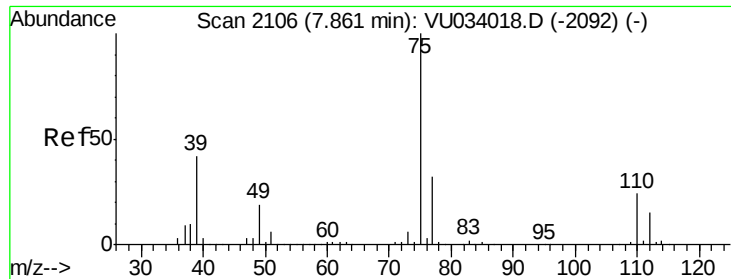
Tgt Ion: 92 Resp: 512474

Ion Ratio Lower Upper

92 100

91 173.4 138.3 207.5





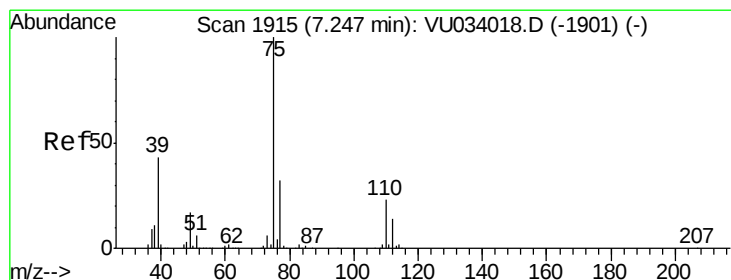
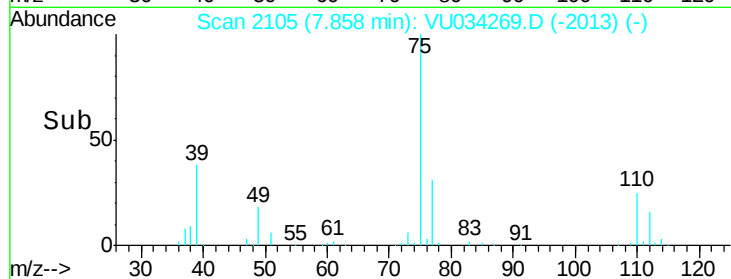
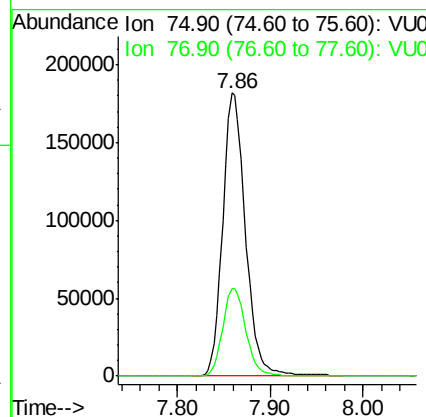
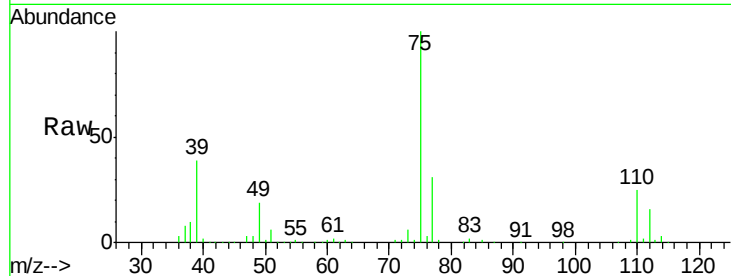
#53
t-1,3-Dichloropropene
Concen: 47.412 ug/l
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 310762
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.0

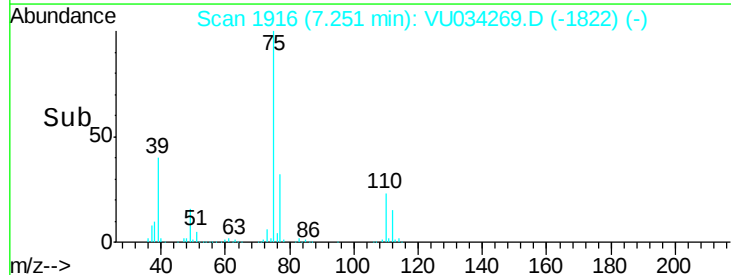
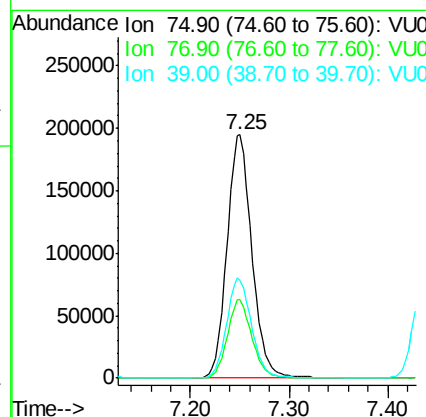
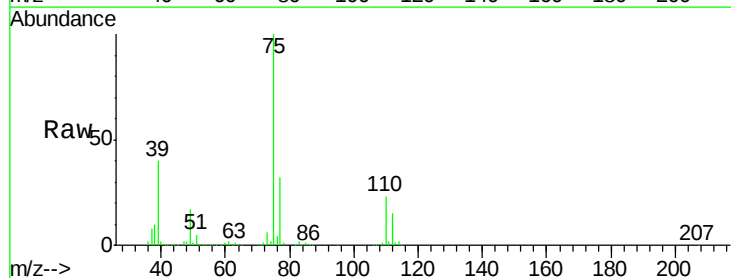
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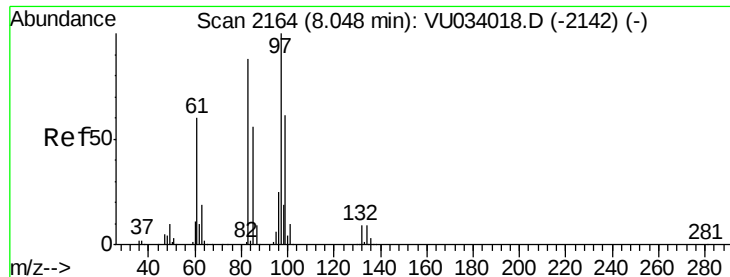
MMDadoda
9/5/2019 5:01:13 PM



#54
cis-1,3-Dichloropropene
Concen: 48.233 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion: 75 Resp: 345393
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8
39 40.2 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 49.080 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

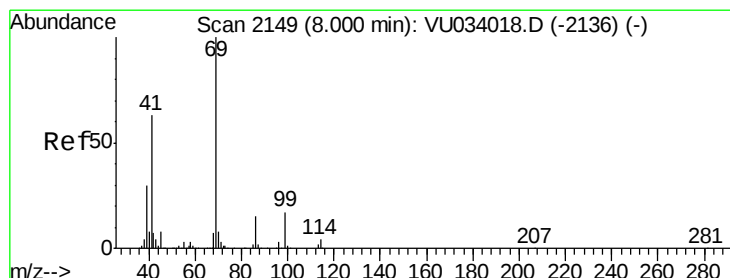
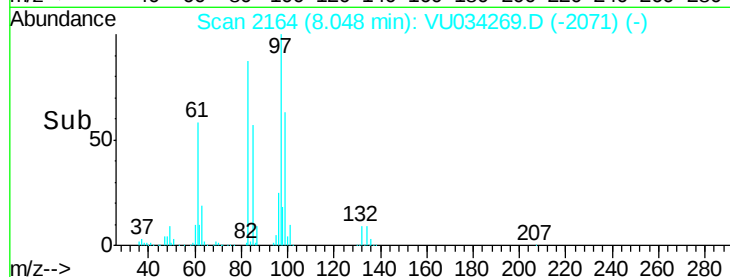
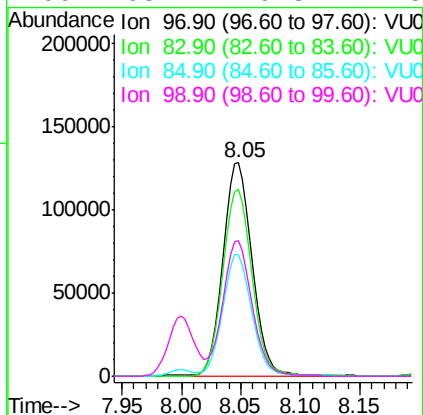
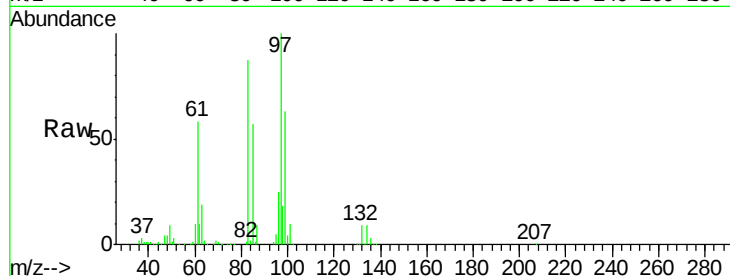
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	217721
Ion Ratio	Lower	Upper	
97	100		
83	87.6	70.1	105.1
85	56.7	45.0	67.4
99	63.4	49.8	74.8

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#56

Ethyl methacrylate

Concen: 44.152 ug/l

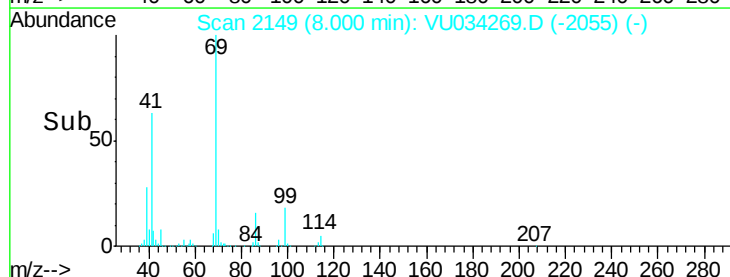
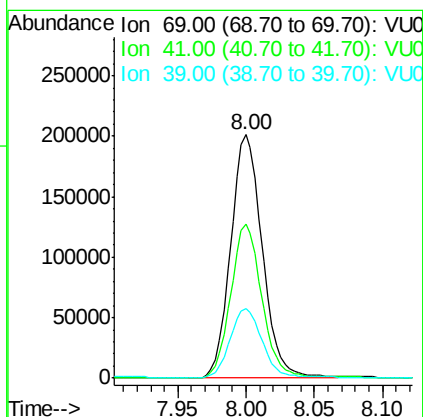
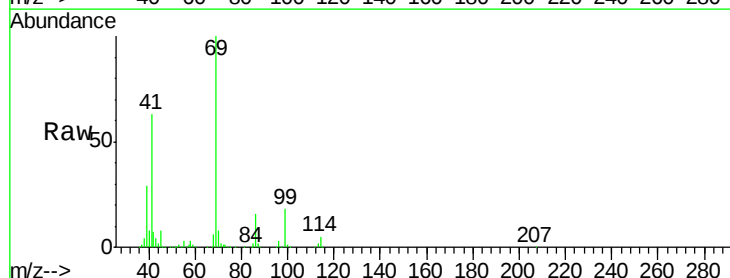
RT: 8.00 min Scan# 2149

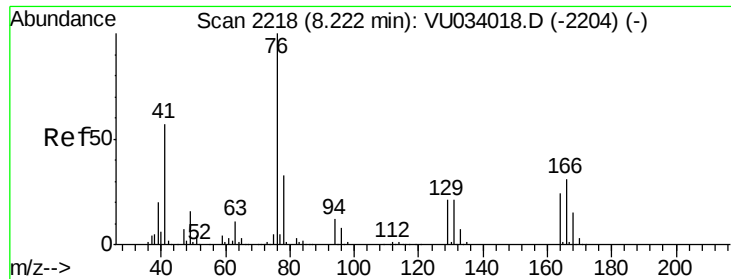
Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Tgt Ion:	69	Resp:	324025
Ion Ratio	Lower	Upper	
69	100		
41	62.5	50.7	76.1
39	29.1	24.2	36.2





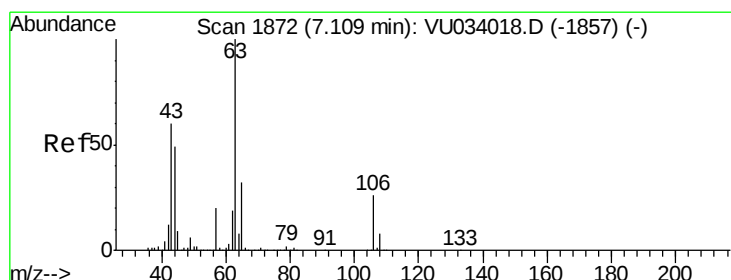
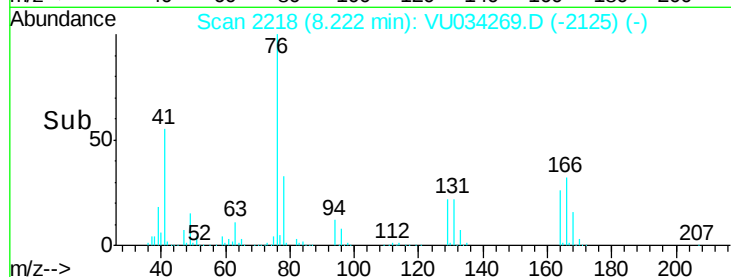
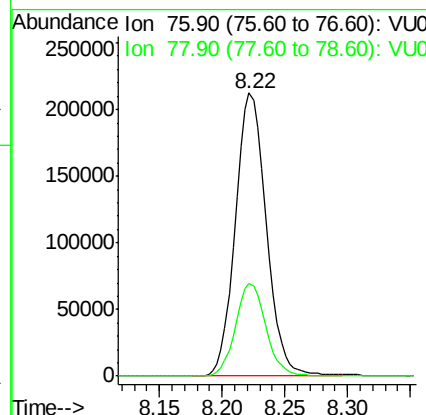
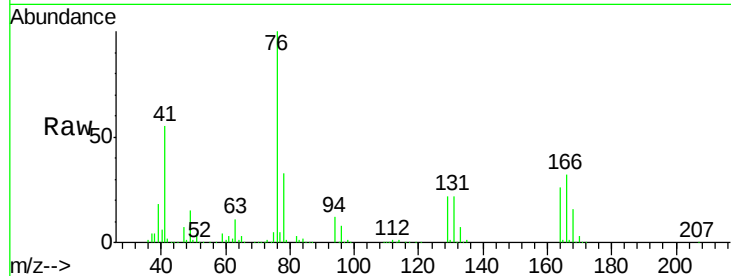
#57
 1,3-Dichloropropane
 Concen: 48.460 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 365009
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4

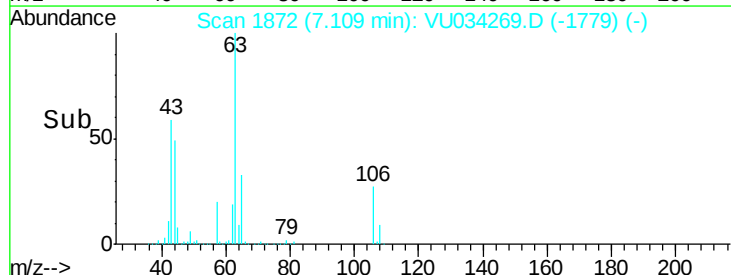
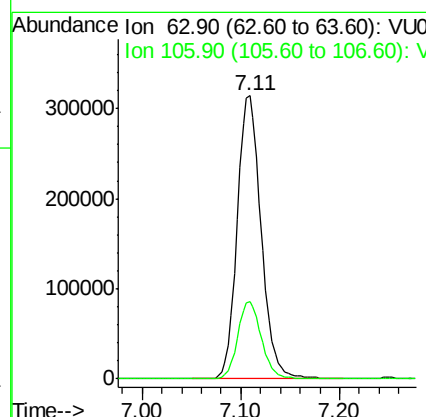
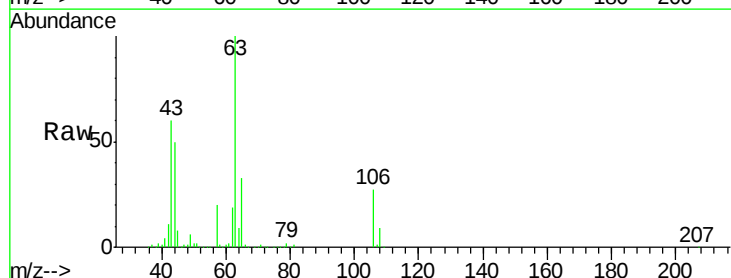
Manual Integrations
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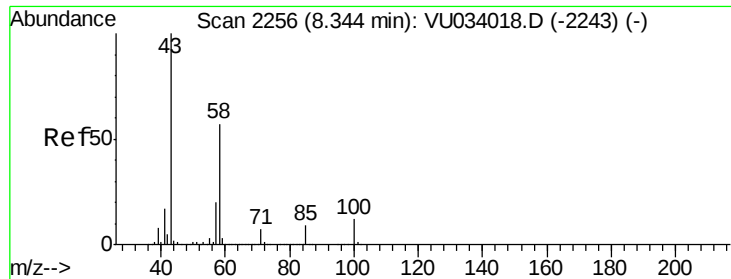
MMDadoda
 9/5/2019 5:01:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 216.785 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Tgt Ion: 63 Resp: 532026
 Ion Ratio Lower Upper
 63 100
 106 26.9 20.7 31.1





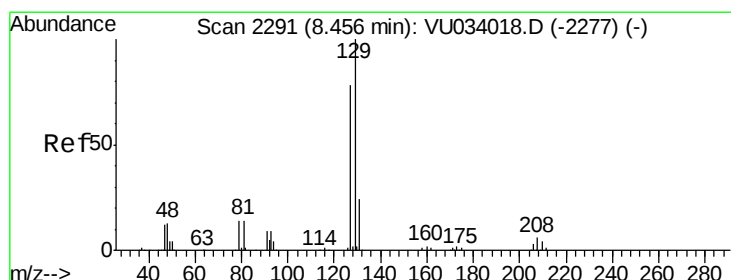
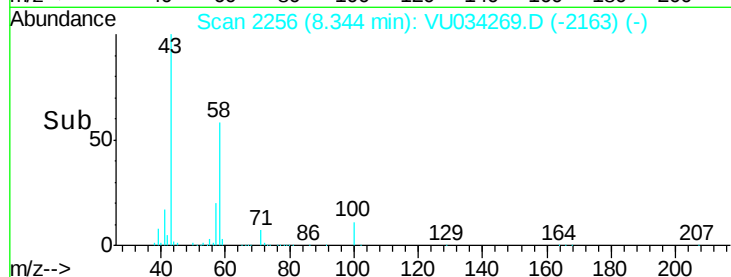
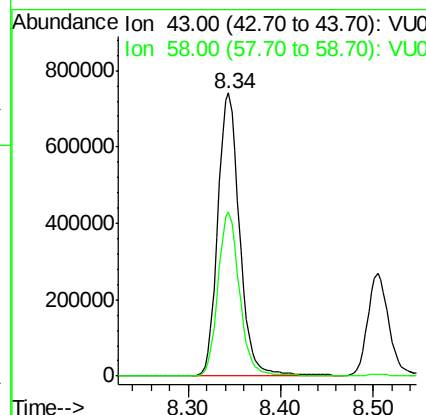
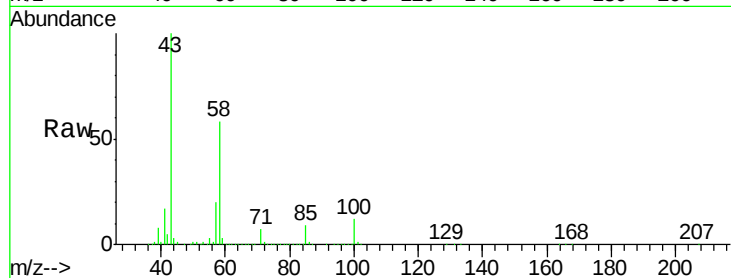
#59
2-Hexanone
Concen: 240.856 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1203732
Ion Ratio Lower Upper
43 100
58 57.9 28.4 85.3

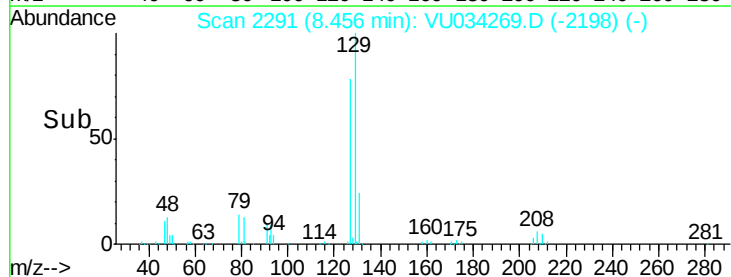
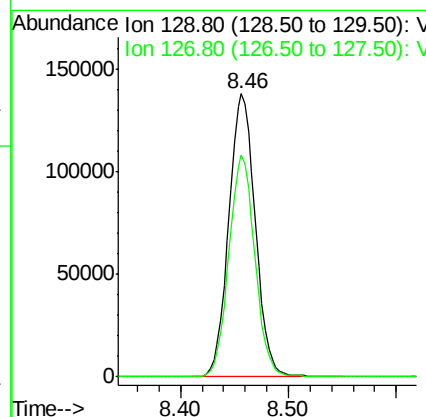
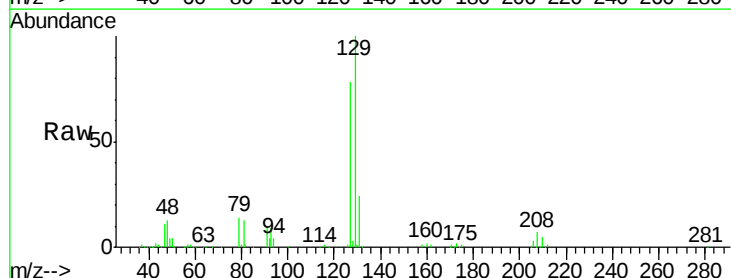
Manual Integrations
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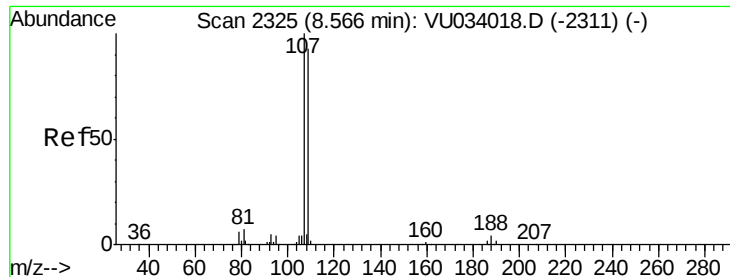
MMDadoda
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#60
Dibromochloromethane
Concen: 49.817 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion: 129 Resp: 237218
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9





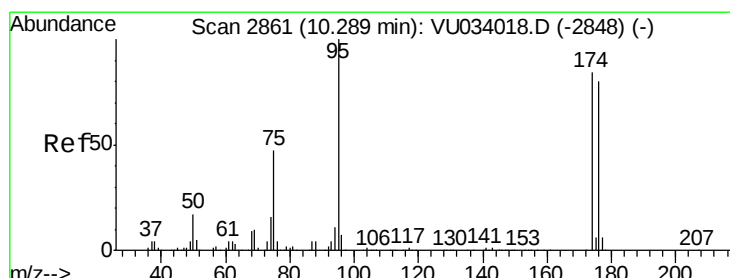
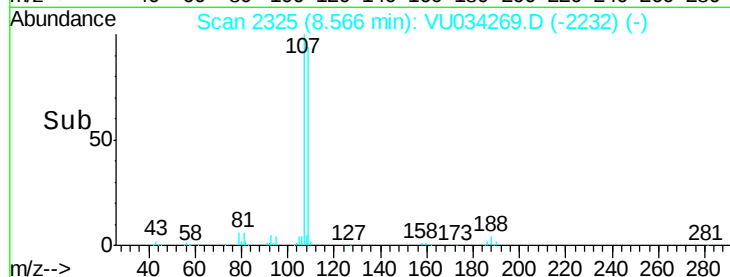
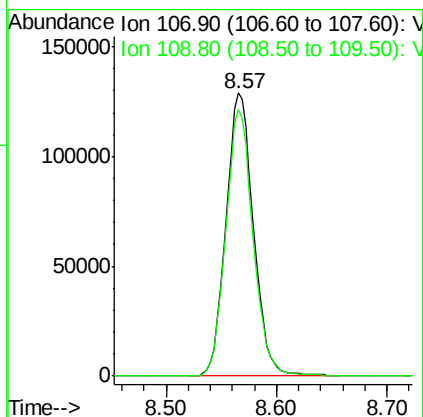
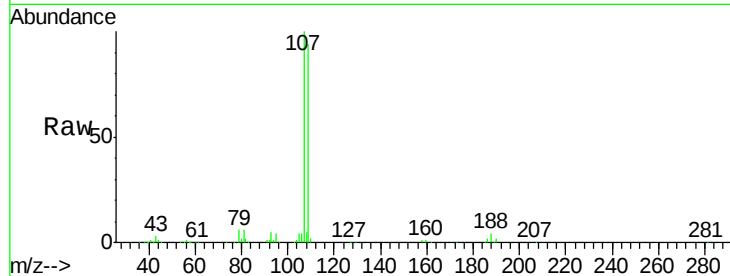
#61
 1,2-Dibromoethane
 Concen: 47.665 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.2	112.8

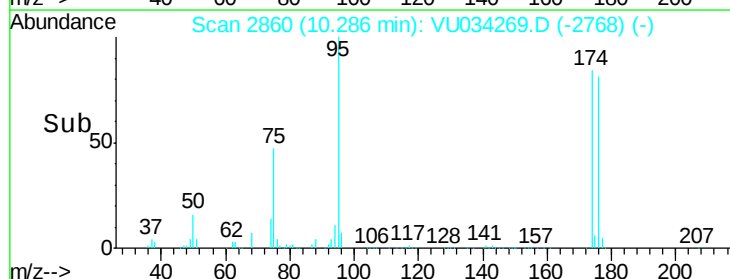
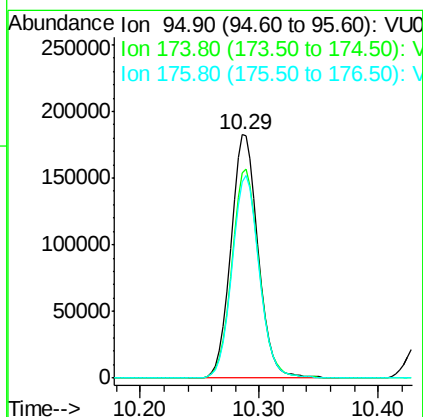
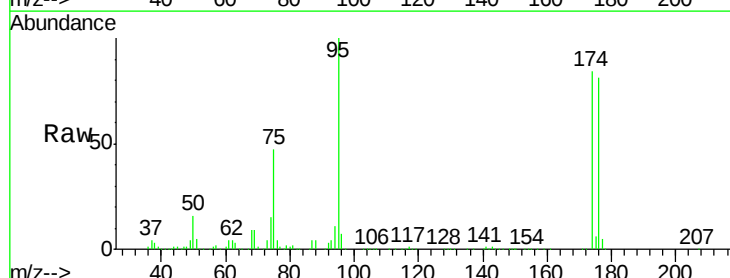
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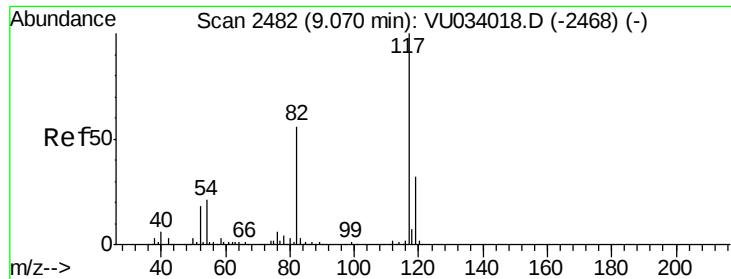
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#62
 4-Bromofluorobenzene
 Concen: 48.099 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	168.8
176	83.4	0.0	161.8





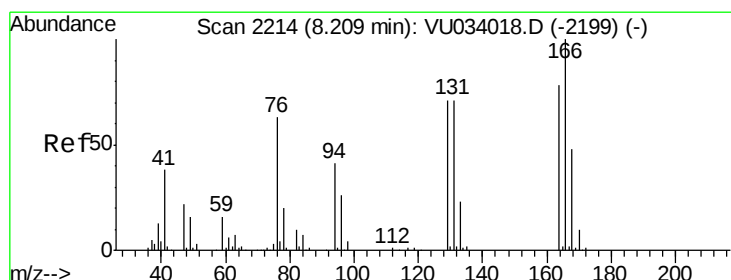
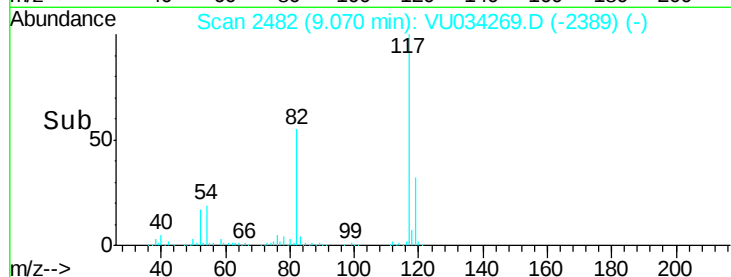
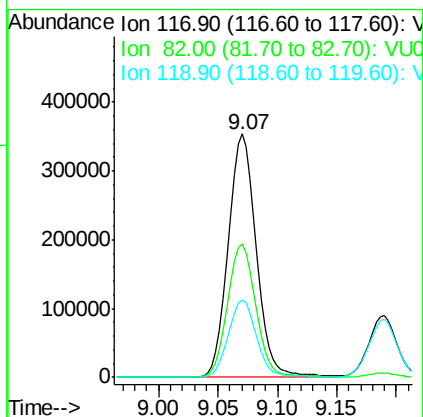
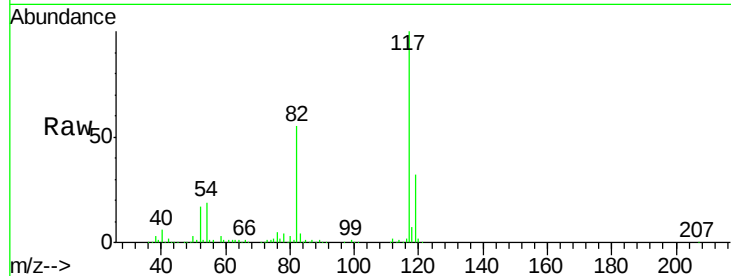
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	580406		
82	54.8		45.1	67.7
119	32.0		25.4	38.0

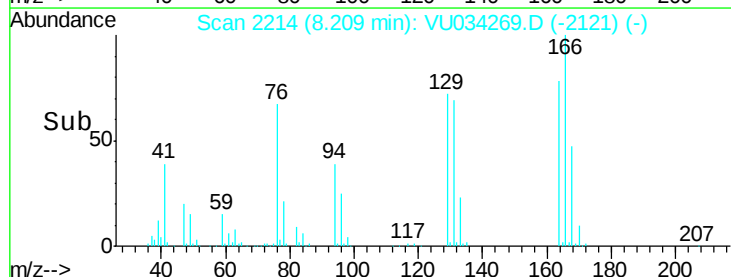
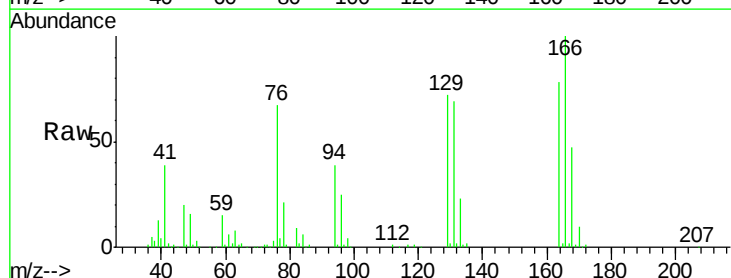
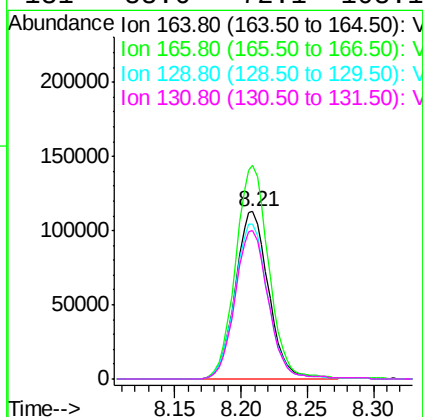
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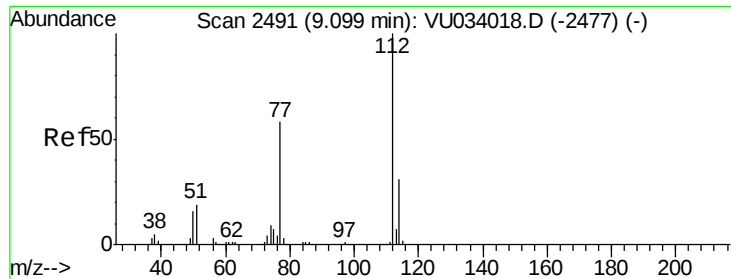
MMDadoda
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#64
Tetrachloroethene
Concen: 50.471 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	196728		
166	127.6		102.2	153.2
129	92.4		72.4	108.6
131	88.6		72.1	108.1





#65

Chlorobenzene

Concen: 48.245 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 576248

Ion Ratio Lower Upper

112 100

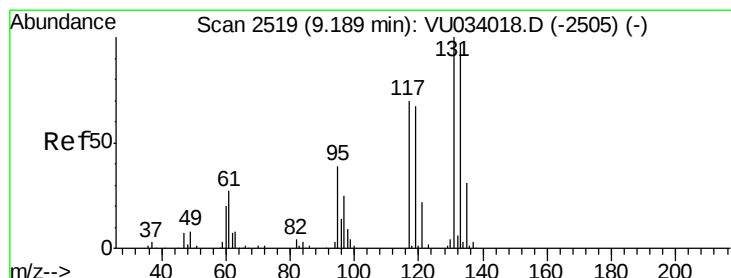
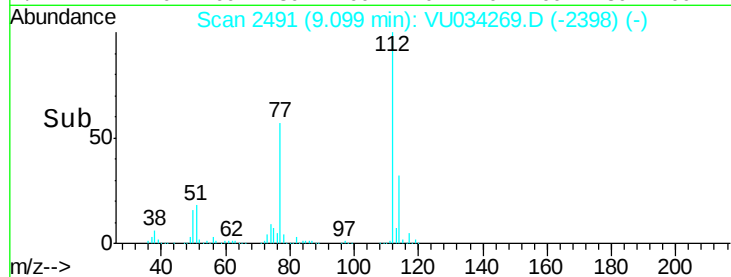
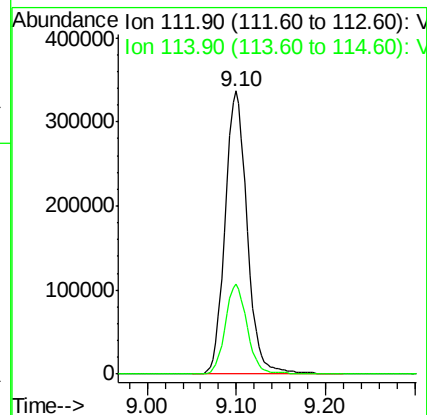
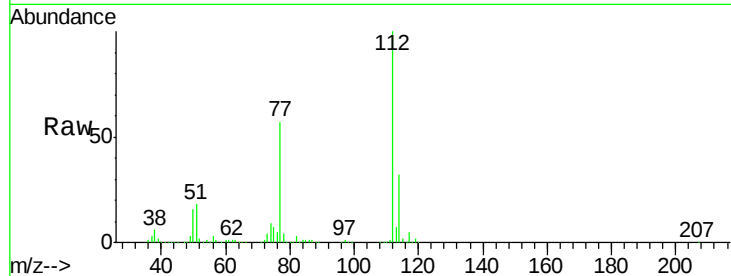
114 31.6 25.0 37.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 48.390 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

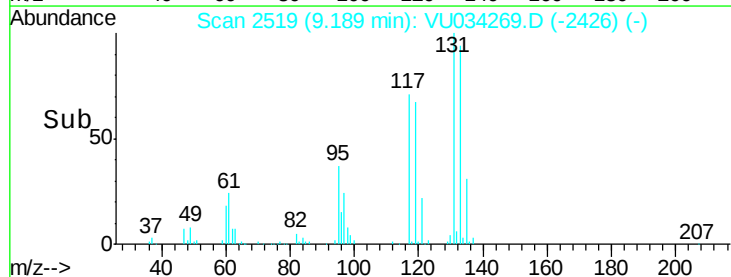
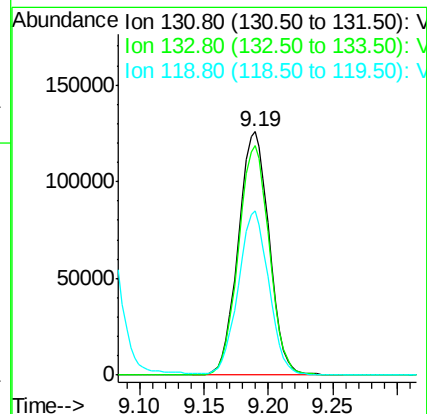
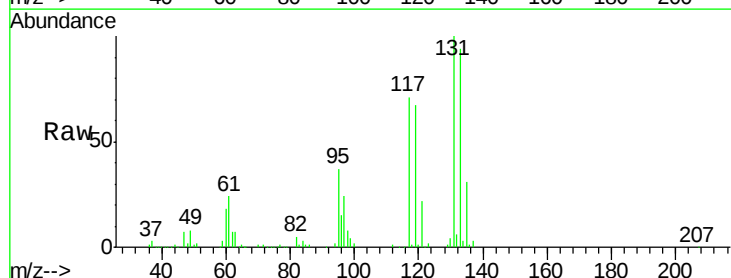
Tgt Ion:131 Resp: 209582

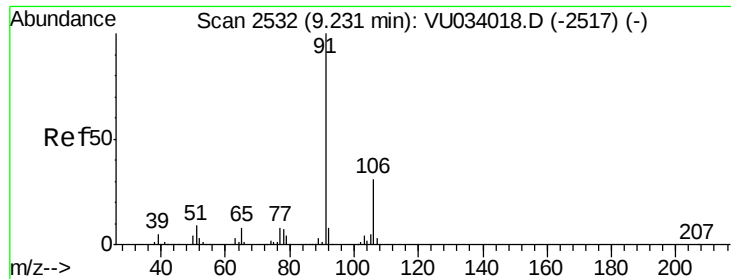
Ion Ratio Lower Upper

131 100

133 94.4 48.4 145.2

119 66.3 33.6 100.6





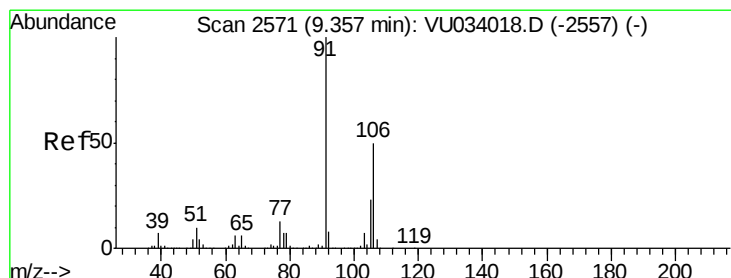
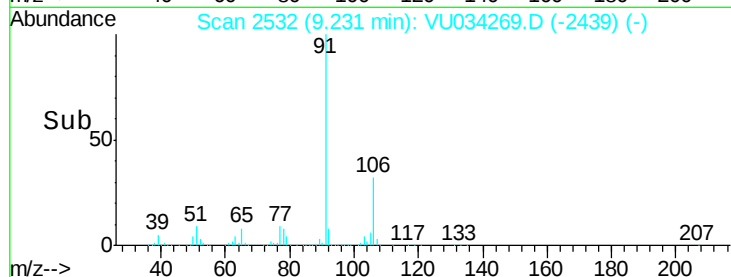
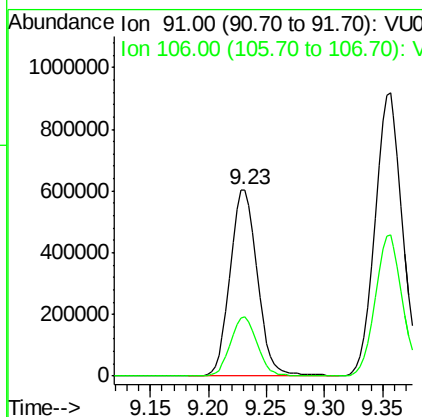
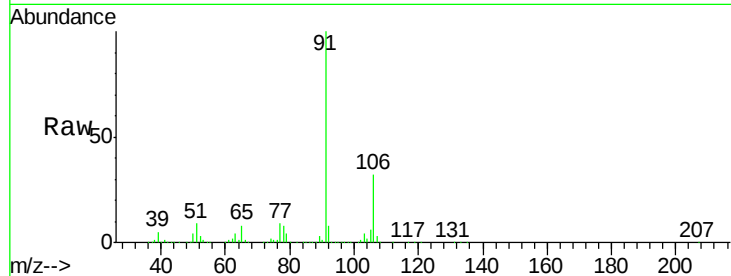
#67
Ethyl Benzene
Concen: 48.471 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.9	24.9	37.3

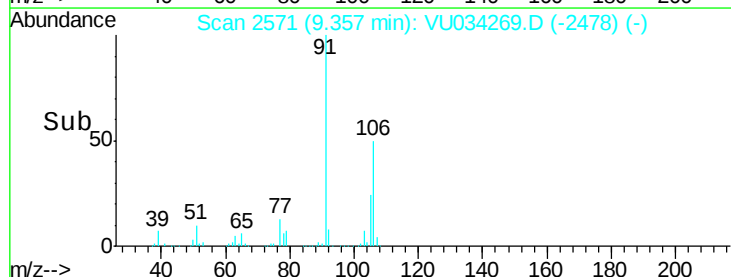
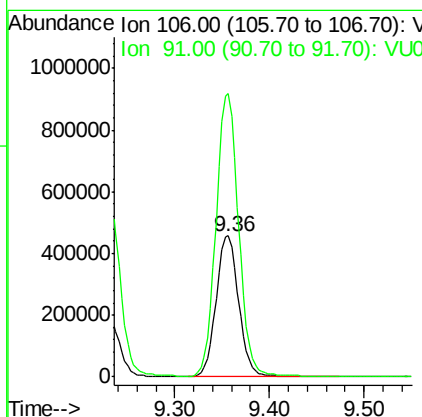
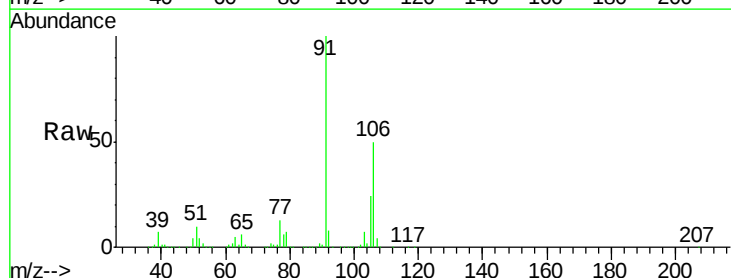
Manual Integrations
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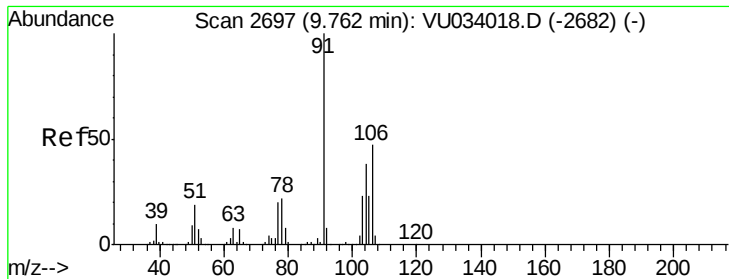
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#68
m/p-Xylenes
Concen: 98.732 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.5	161.6	242.4





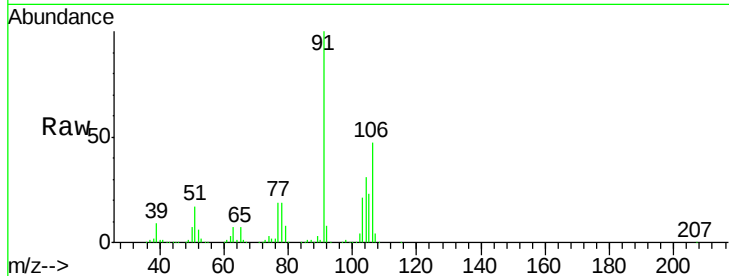
#69
o-Xylene
Concen: 50.082 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

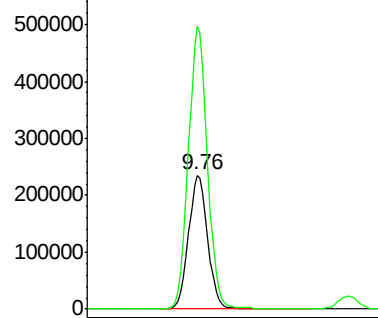
Tot Ion:106 Resp: 369907
Ion Ratio Lower Upper
106 100
91 209.7 106.0 318.0

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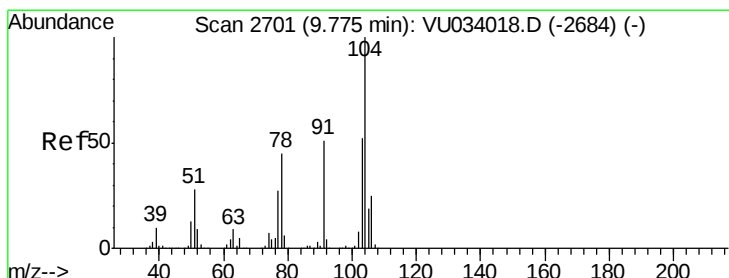
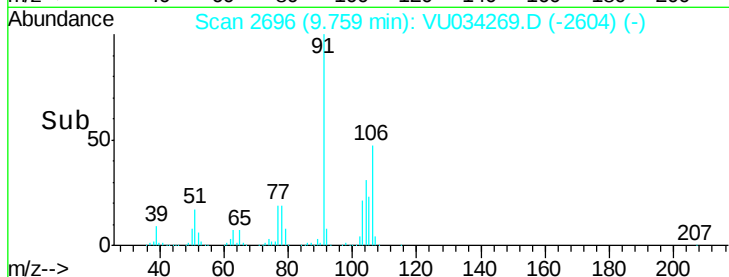
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

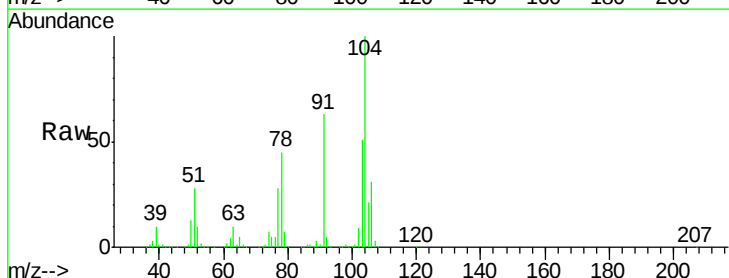


Time-->

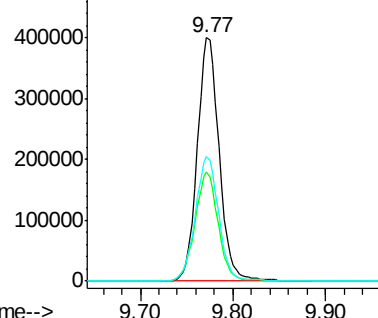


#70
Styrene
Concen: 51.831 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

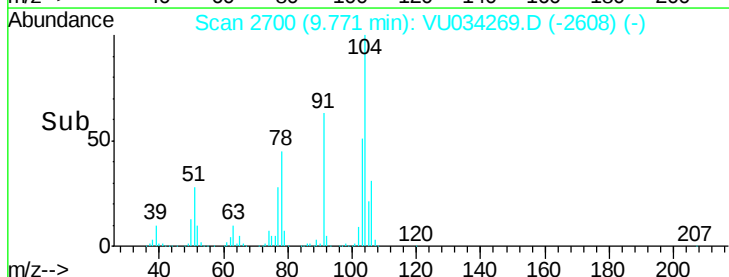
Tgt Ion:104 Resp: 656405
Ion Ratio Lower Upper
104 100
78 47.7 39.0 58.4
103 54.6 44.0 66.0

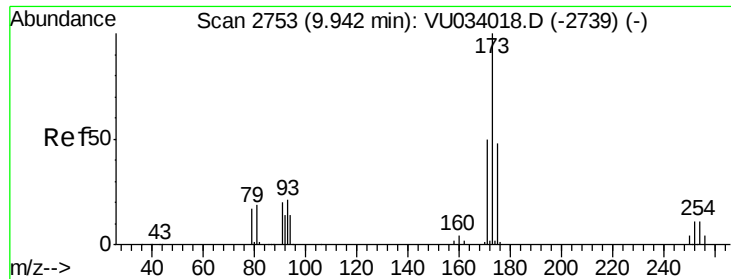


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





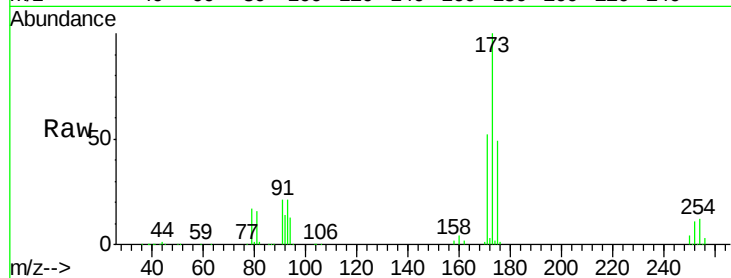
#71
Bromoform
Concen: 48.251 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

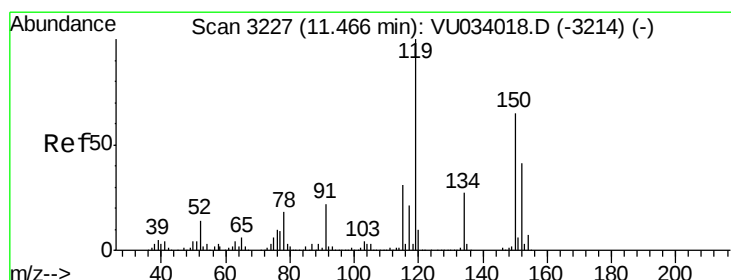
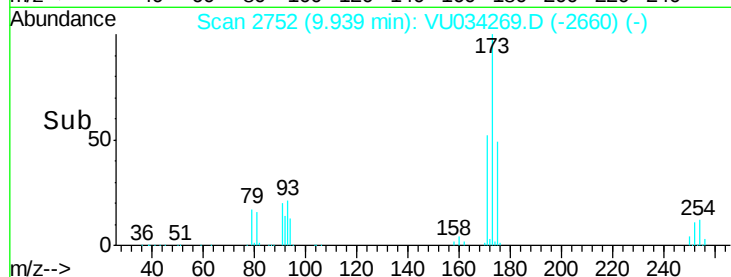
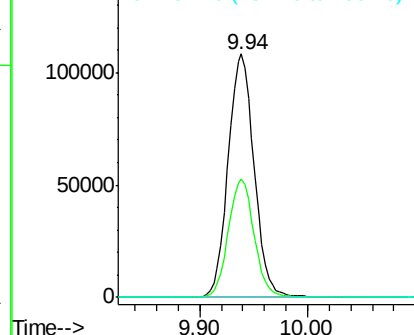
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.6
254	0.1	0.0	0.0#

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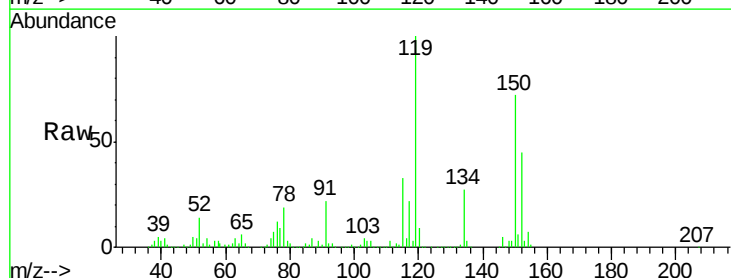


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

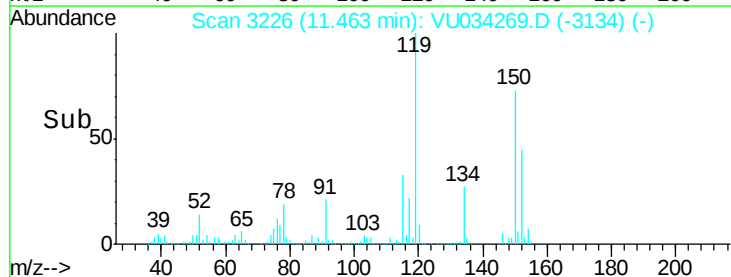
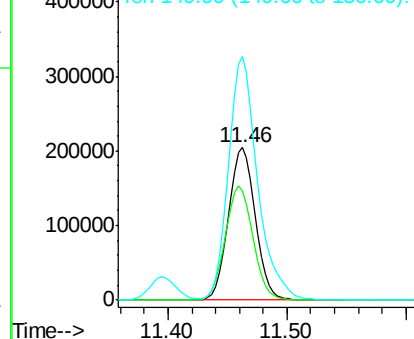


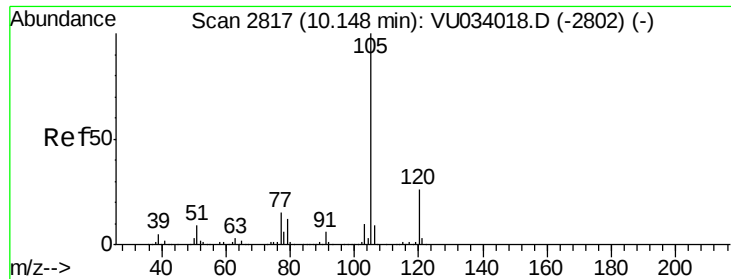
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.1	41.1	123.3
150	172.6	0.0	348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.217 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 992776

Ion Ratio Lower Upper

105 100

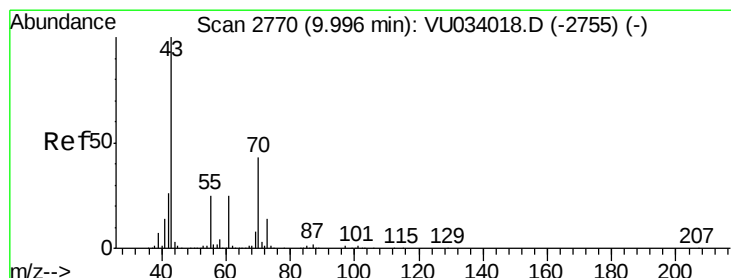
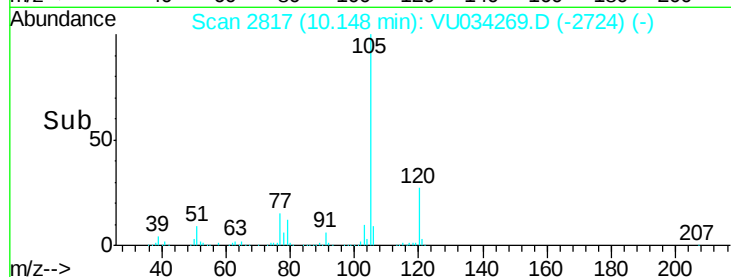
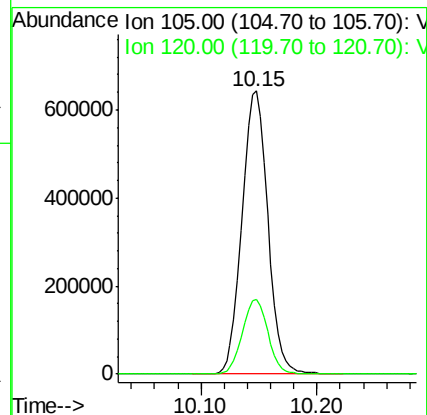
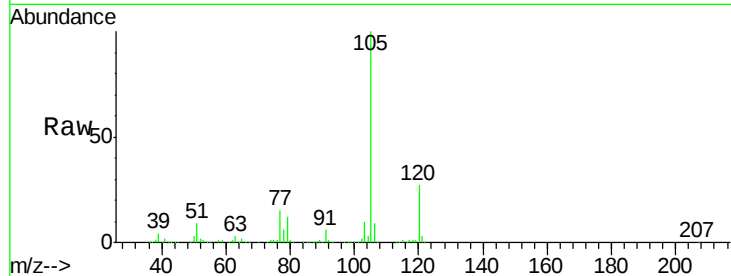
120 26.5 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 45.738 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Tgt Ion: 43 Resp: 413224

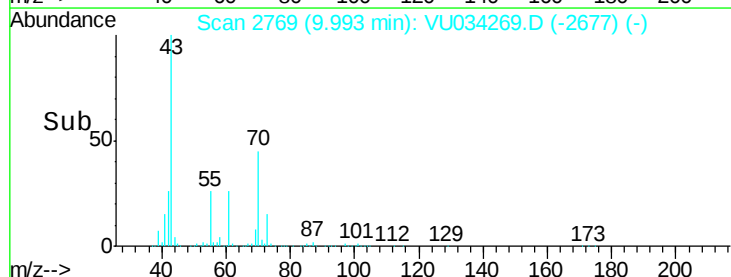
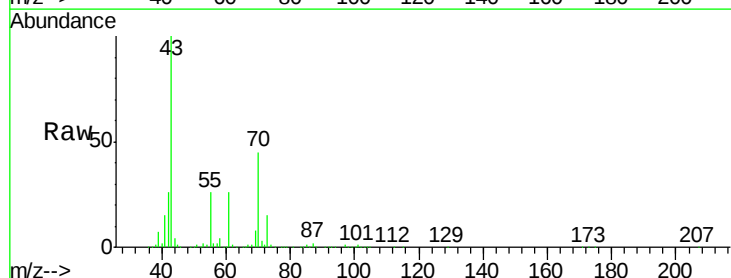
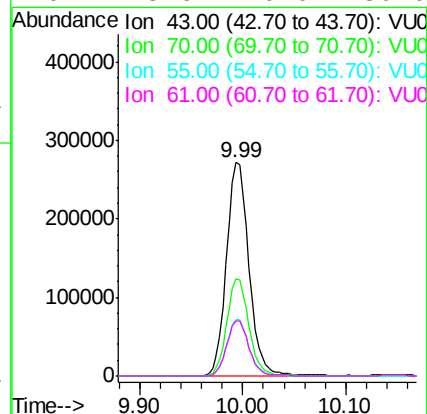
Ion Ratio Lower Upper

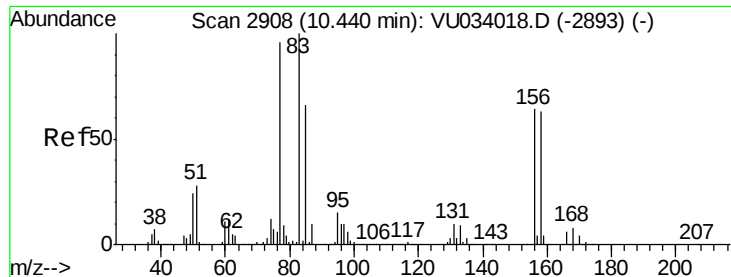
43 100

70 44.9 35.2 52.8

55 26.4 20.5 30.7

61 25.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.618 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 366836

Ion Ratio Lower Upper

83 100

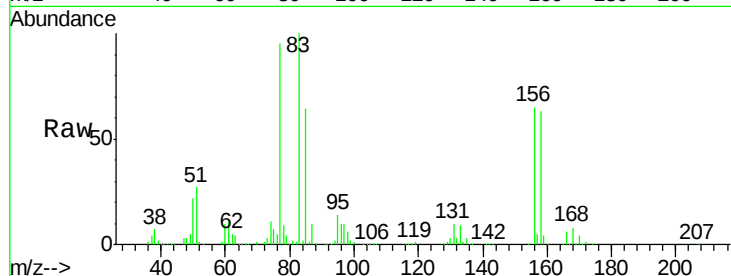
131 9.9 5.0 14.9

85 64.8 32.2 96.6

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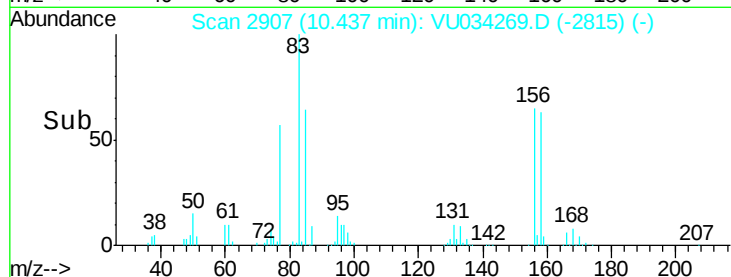


Abundance Ion 82.90 (82.60 to 83.60): VU034269.D (-2815) (-)

Ion 130.80 (130.50 to 131.50): VU034269.D (-2815) (-)

Ion 84.90 (84.60 to 85.60): VU034269.D (-2815) (-)

Time-->



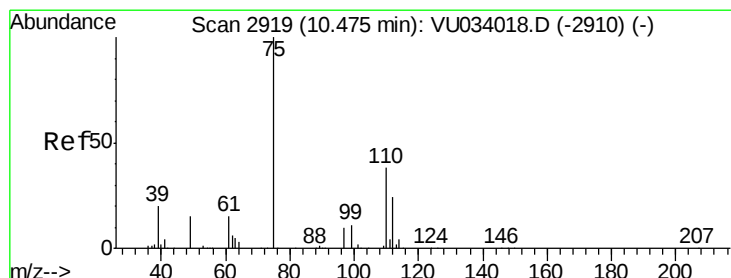
Abundance

Ion 82.90 (82.60 to 83.60): VU034269.D (-2815) (-)

Ion 130.80 (130.50 to 131.50): VU034269.D (-2815) (-)

Ion 84.90 (84.60 to 85.60): VU034269.D (-2815) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 44.923 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034269.D

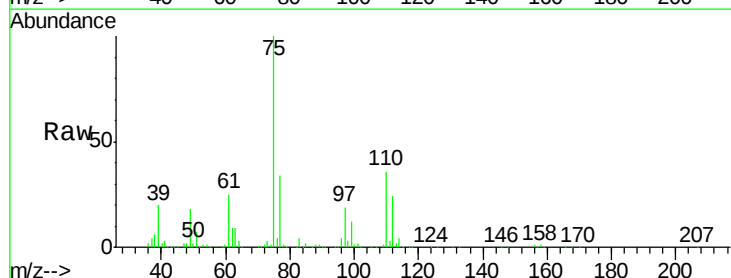
Acq: 04 Sep 2019 19:37

Tgt Ion: 75 Resp: 323791

Ion Ratio Lower Upper

75 100

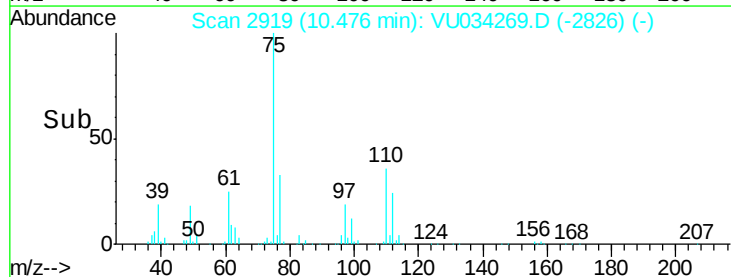
77 38.9 20.1 60.2



Abundance Ion 74.90 (74.60 to 75.60): VU034269.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034269.D (-2826) (-)

Time-->

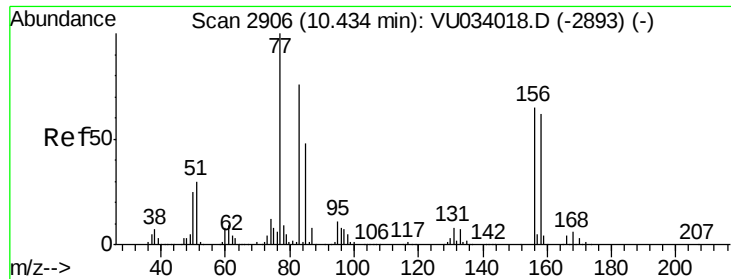


Abundance

Ion 74.90 (74.60 to 75.60): VU034269.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034269.D (-2826) (-)

Time-->



#77

Bromobenzene

Concen: 45.891 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

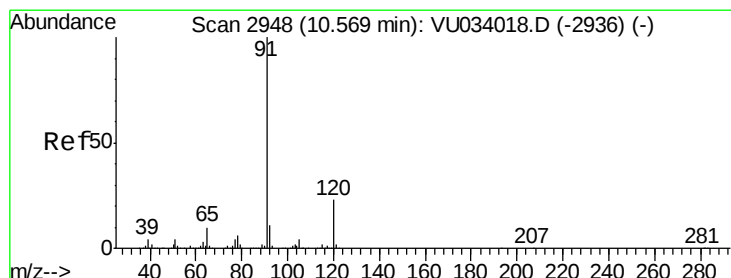
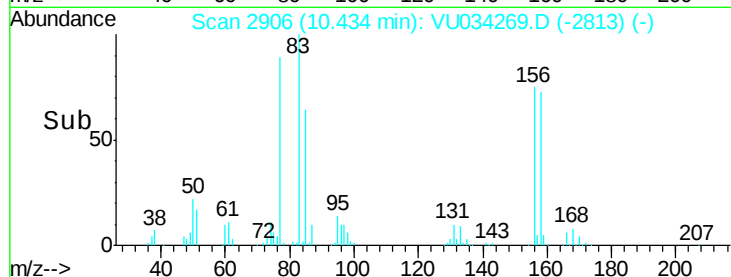
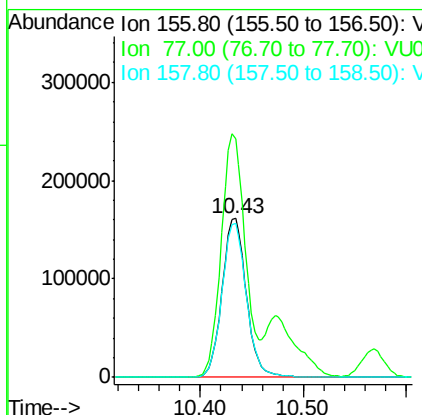
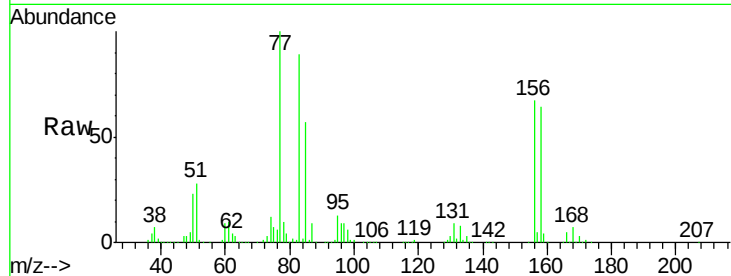
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		265170		
77	153.0	76.8	230.5		
158	97.6	48.4	145.0		

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#78

n-propylbenzene

Concen: 46.295 ug/l

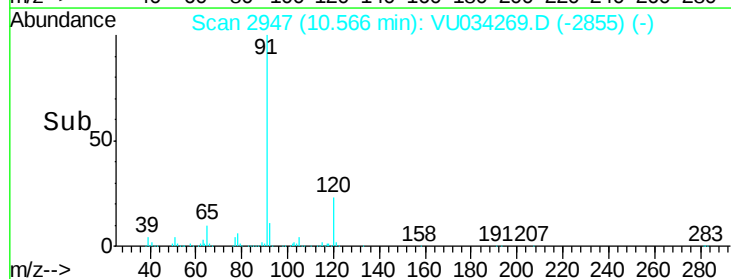
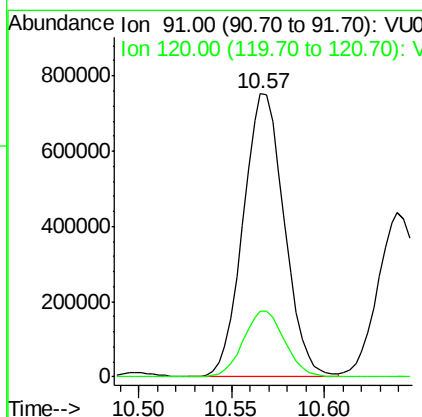
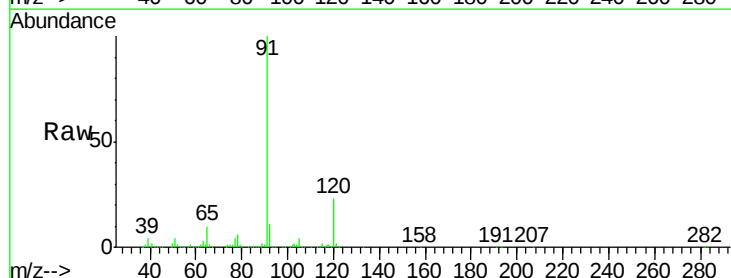
RT: 10.57 min Scan# 2947

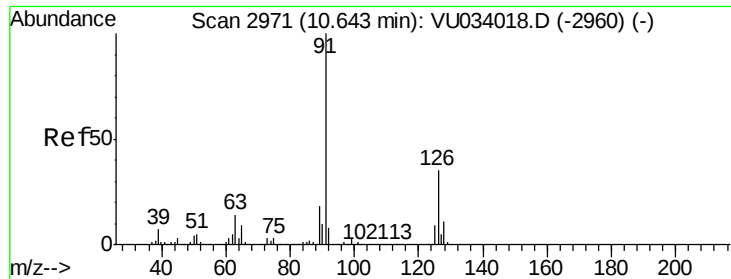
Delta R.T. -0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1158108		
120	23.4	11.7	35.0		





#79

2-Chlorotoluene

Concen: 45.957 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 689587

Ion Ratio Lower Upper

91 100

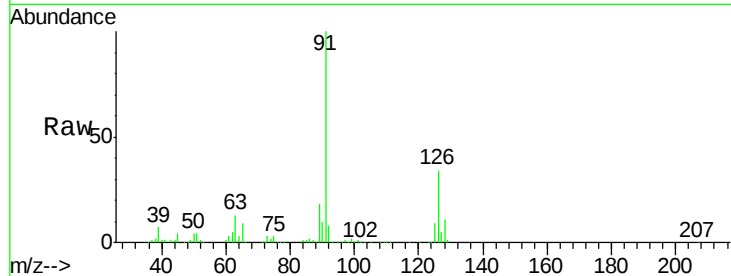
126 34.4 17.1 51.2

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Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU034018.D (-2960) (-)

800000

600000

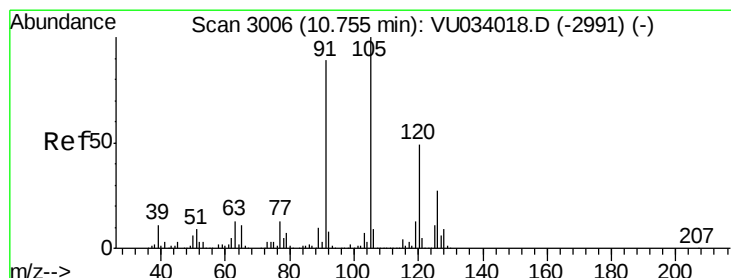
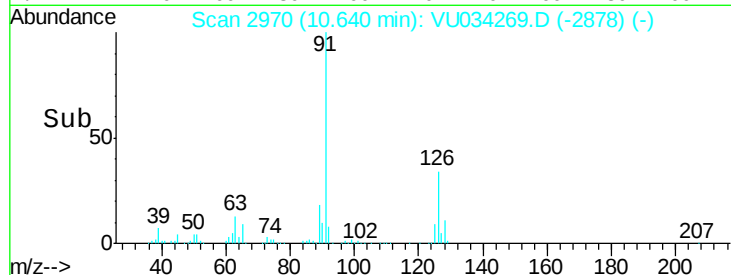
400000

200000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.272 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034269.D

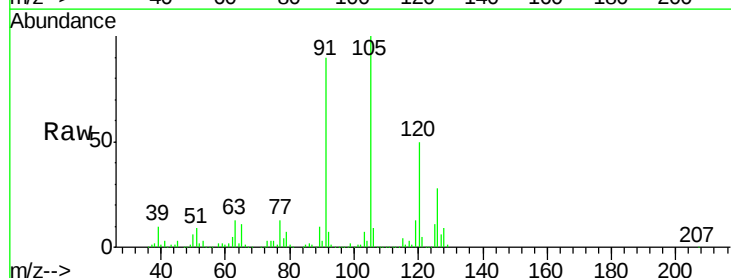
Acq: 04 Sep 2019 19:37

Tgt Ion: 105 Resp: 860635

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU034018.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034018.D (-2991) (-)

600000

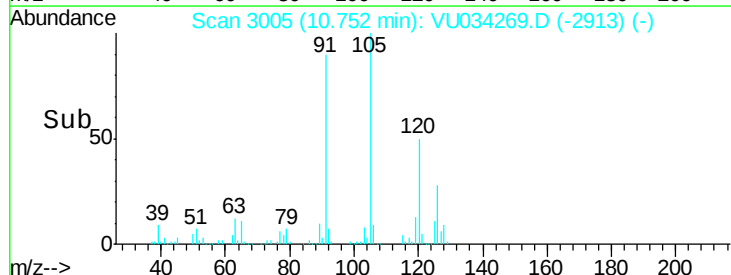
400000

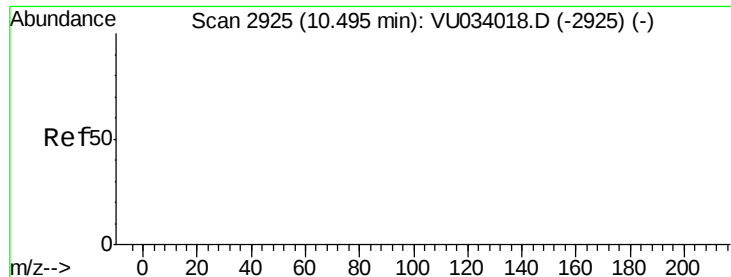
200000

0

10.70 10.80 10.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 36.014 ug/l m

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU034269.D

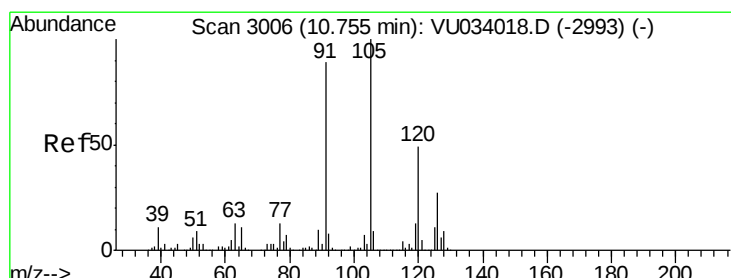
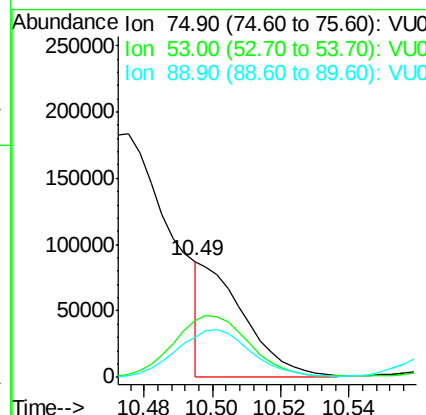
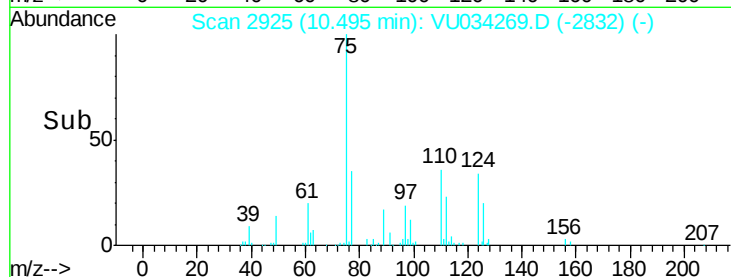
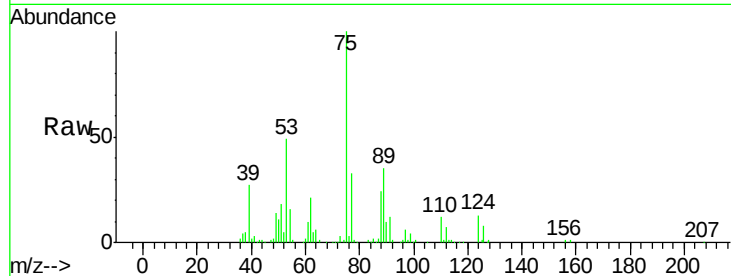
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.228 ug/l

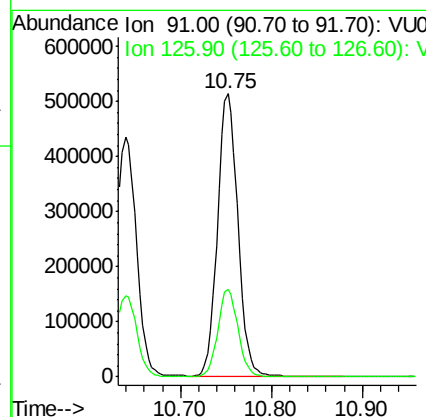
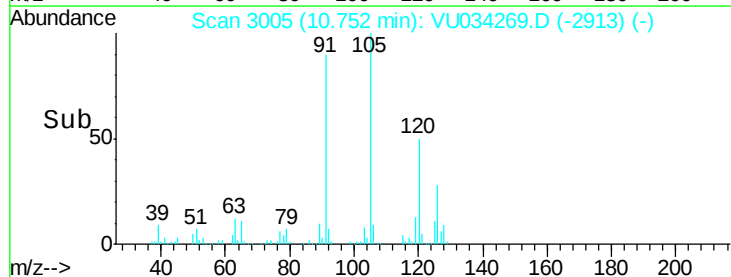
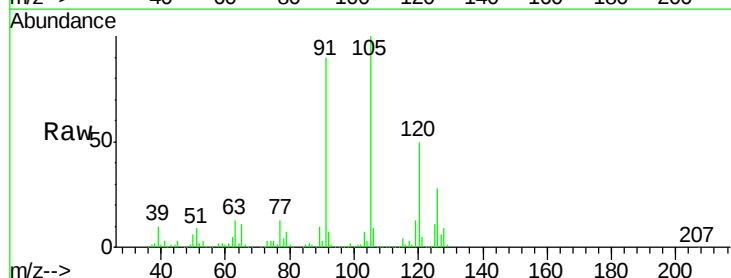
RT: 10.75 min Scan# 3005

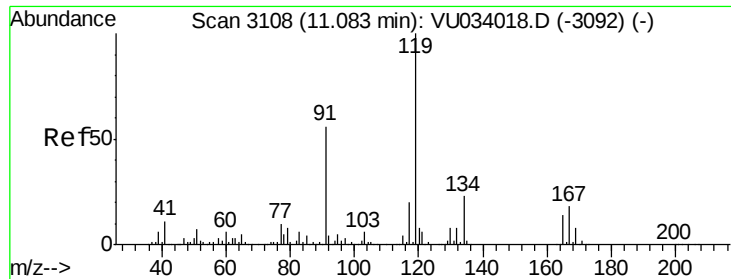
Delta R.T. -0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.0	45.1





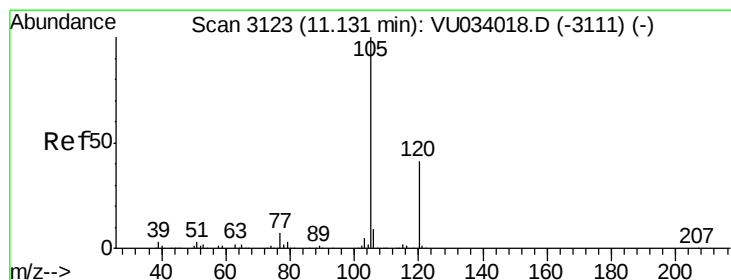
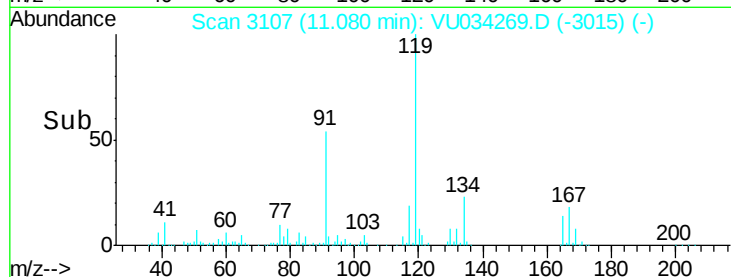
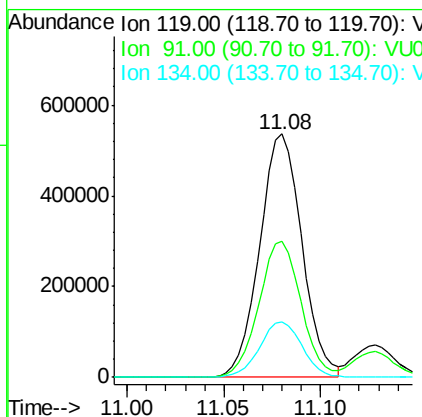
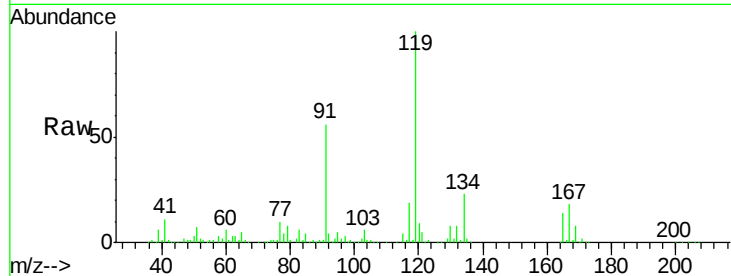
#83
tert-Butylbenzene
Concen: 45.695 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	818973		
91	55.8	27.9	83.6	
134	22.9	11.4	34.2	

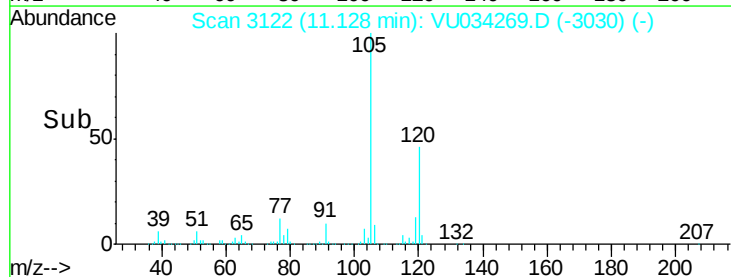
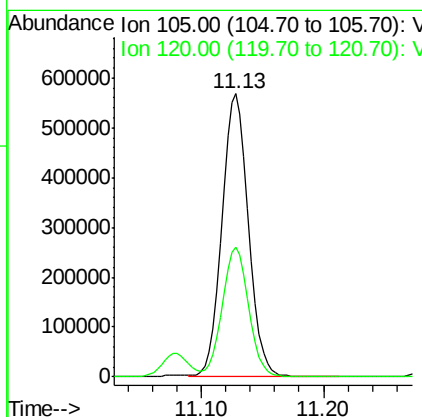
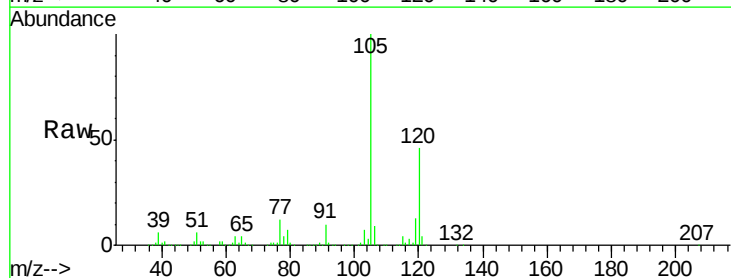
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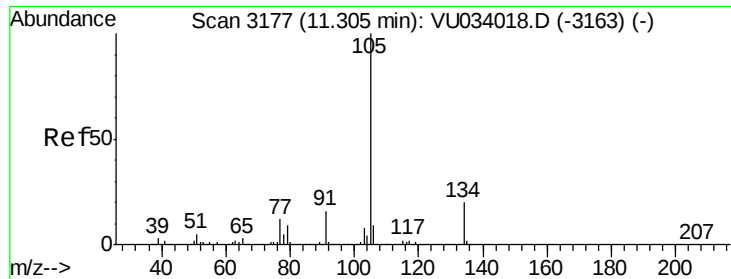
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#84
1,2,4-Trimethylbenzene
Concen: 47.824 ug/l
RT: 11.13 min Scan# 3122
Delta R.T. -0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	864580		
120	45.8	22.6	67.8	





#85

sec-Butylbenzene

Concen: 45.943 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 986907

Ion Ratio Lower Upper

105 100

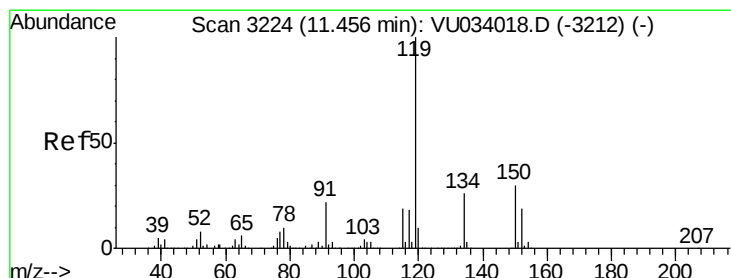
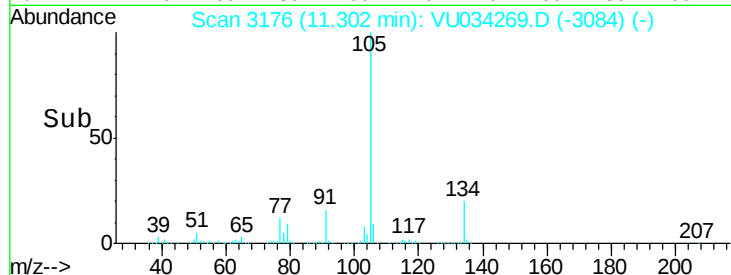
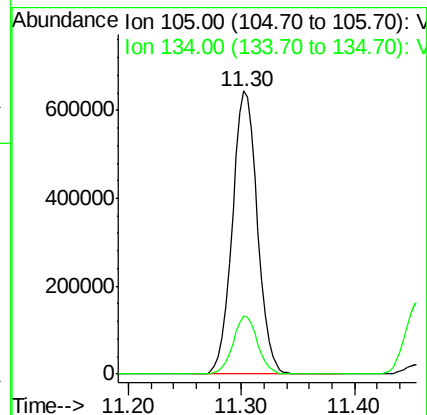
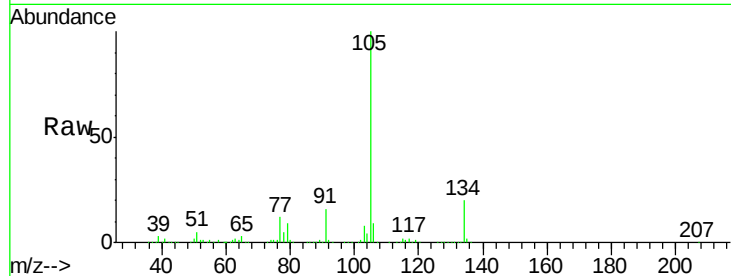
134 20.2 10.0 30.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.254 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034269.D

Acq: 04 Sep 2019 19:37

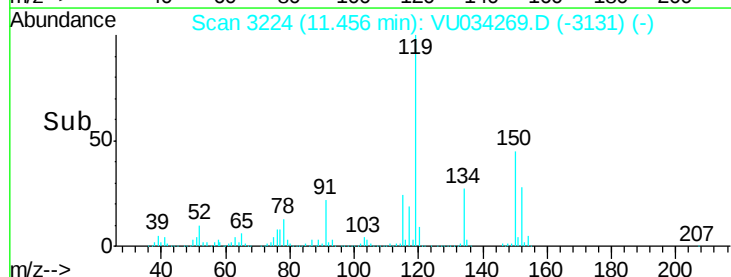
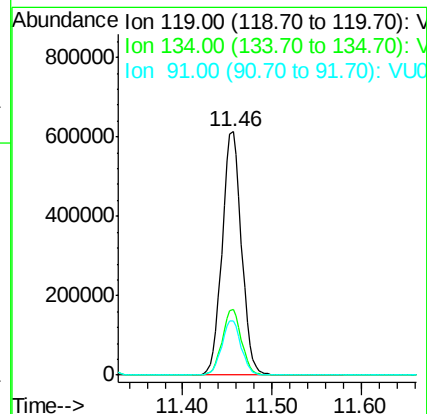
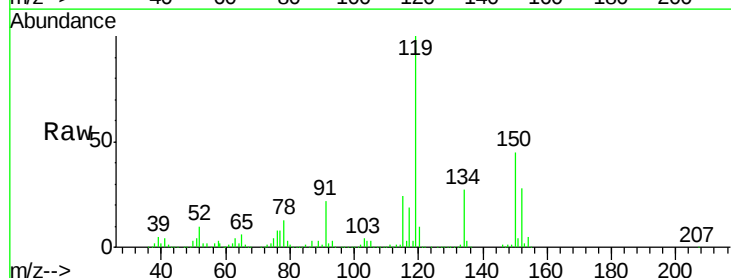
Tgt Ion:119 Resp: 918055

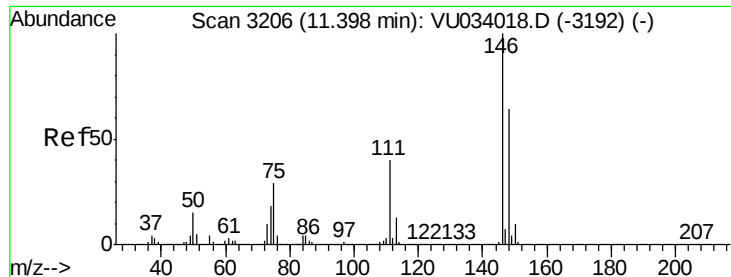
Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.1

91 22.3 11.2 33.6





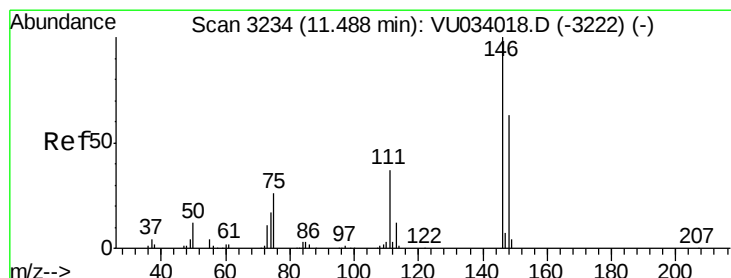
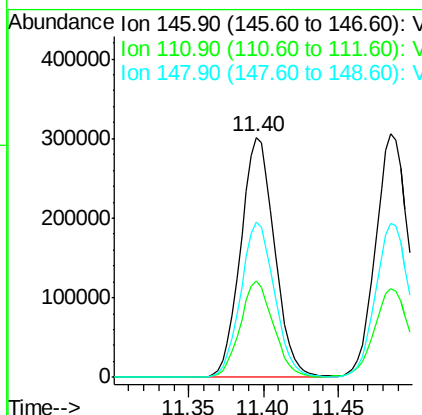
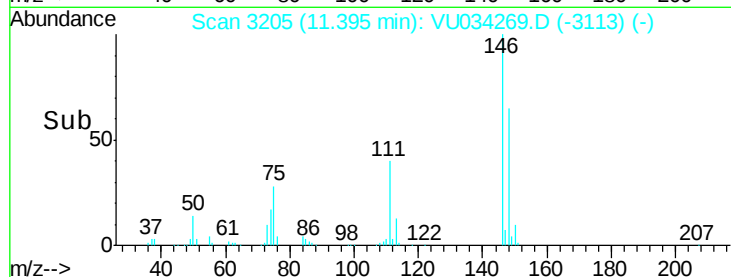
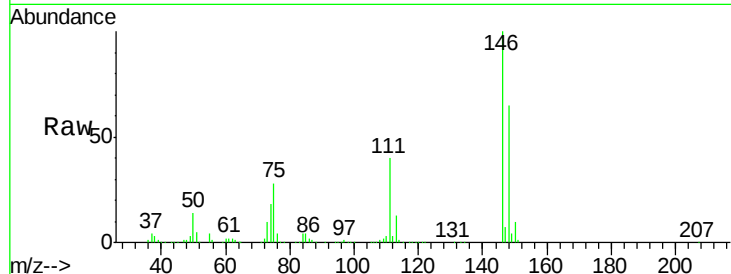
#87
 1,3-Dichlorobenzene
 Concen: 46.498 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.9	59.6
148	64.4	31.9	95.5

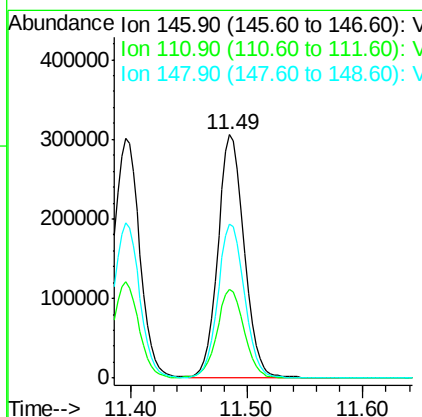
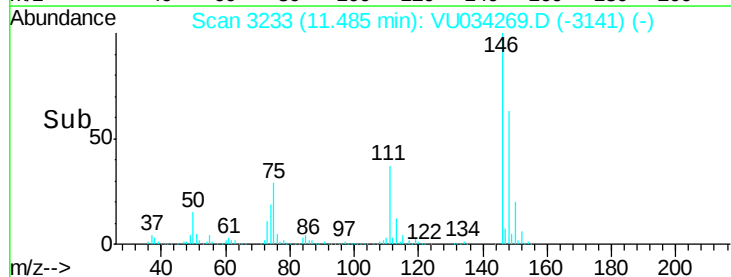
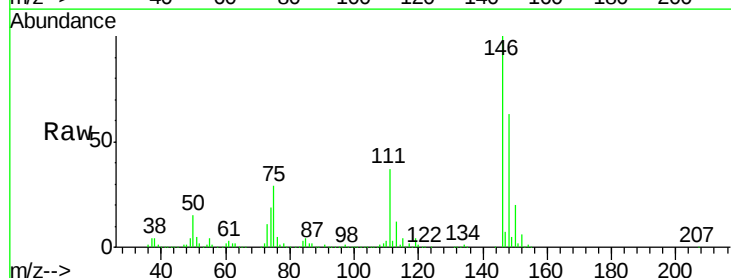
Manual Integrations
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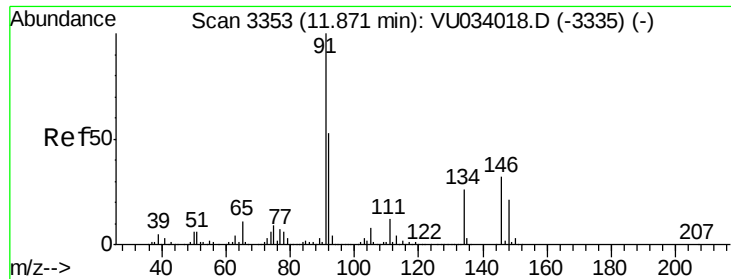
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#88
 1,4-Dichlorobenzene
 Concen: 46.379 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.2	57.6
148	63.6	31.9	95.9





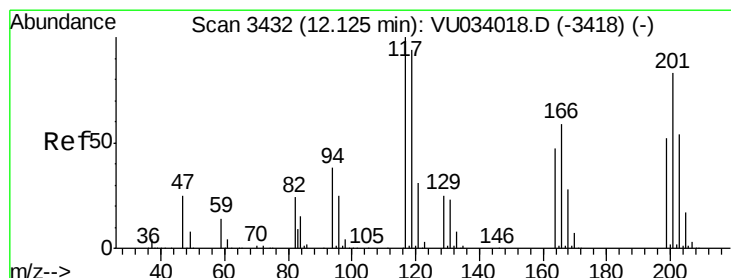
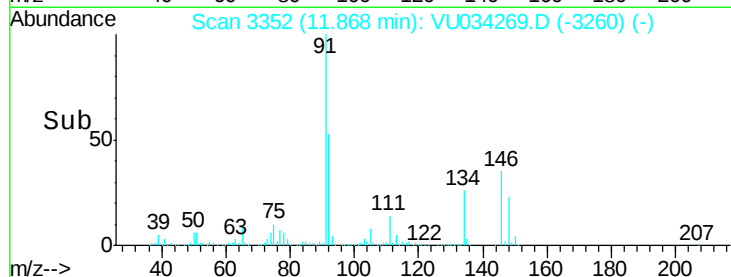
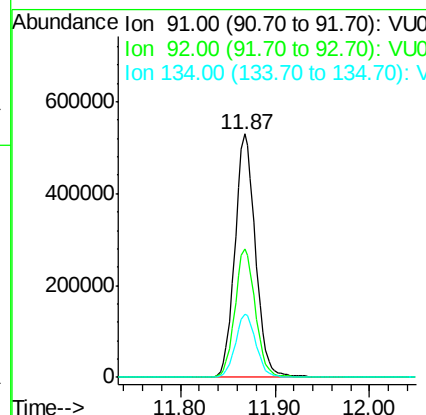
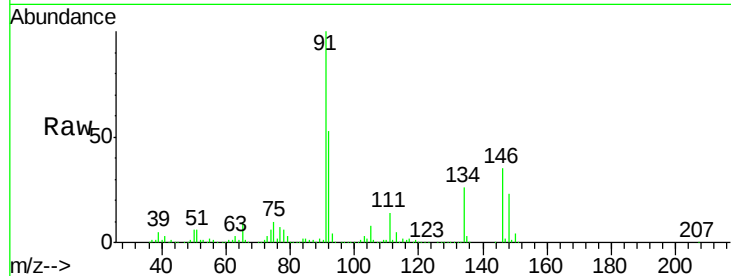
#89
n-Butylbenzene
Concen: 46.859 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	26.0	12.9	38.7

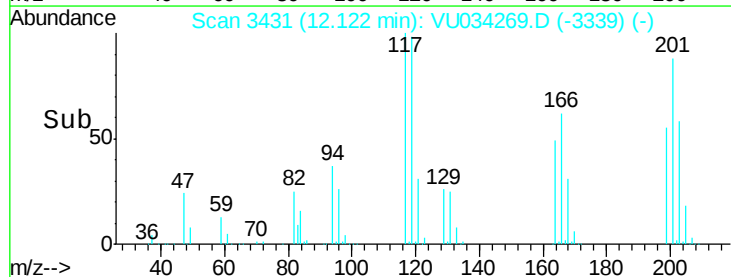
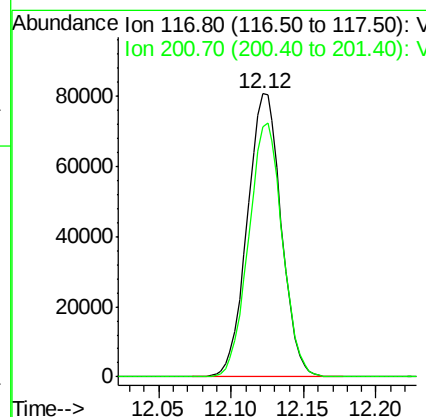
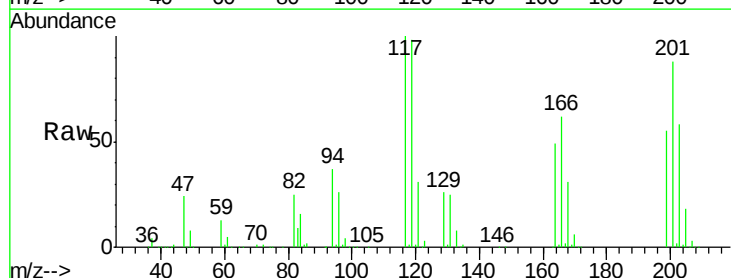
Manual Integrations
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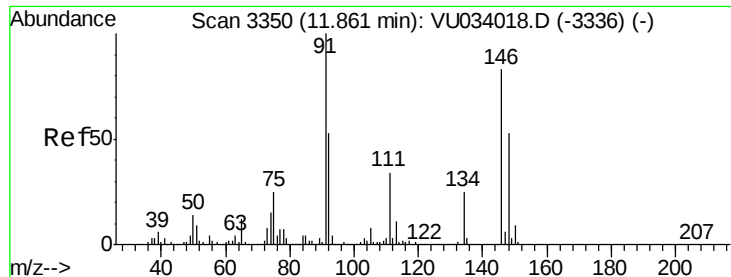
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#90
Hexachloroethane
Concen: 39.206 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.9	42.5	127.6





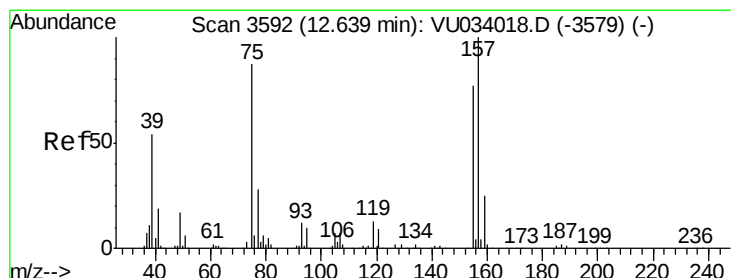
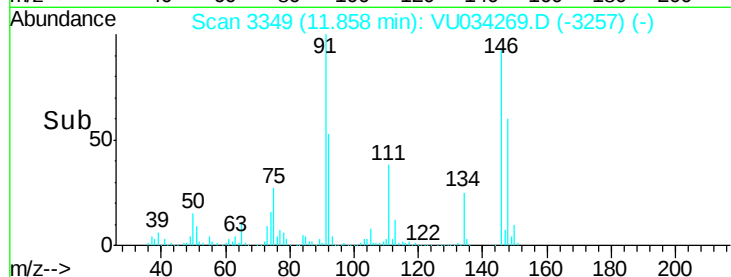
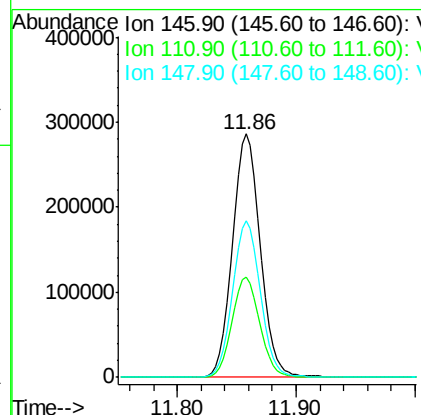
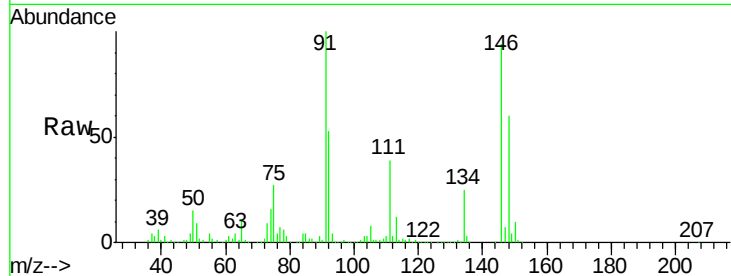
#91
 1,2-Dichlorobenzene
 Concen: 47.349 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.2
148	64.2	32.3	96.8

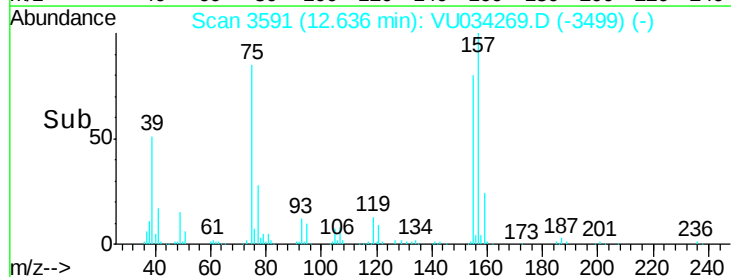
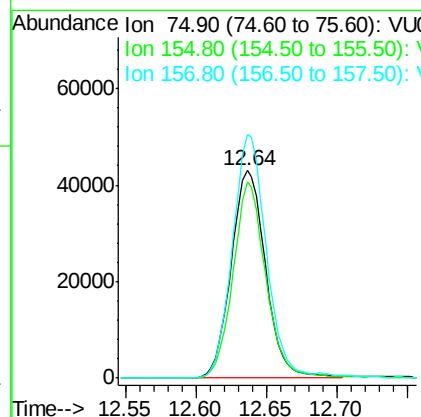
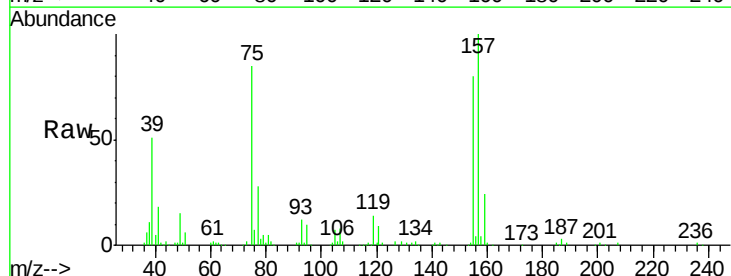
Manual Integrations
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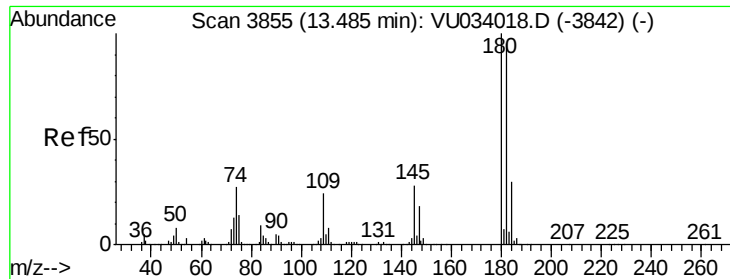
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.042 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	43.5	130.7
157	114.3	56.9	170.6





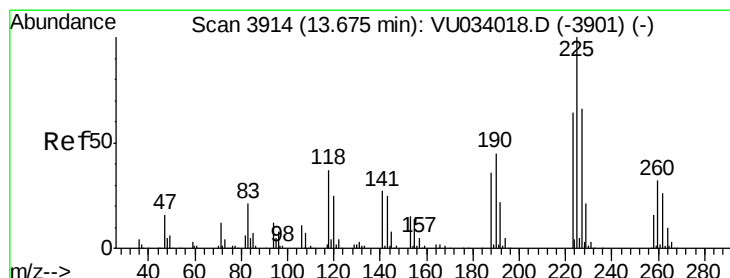
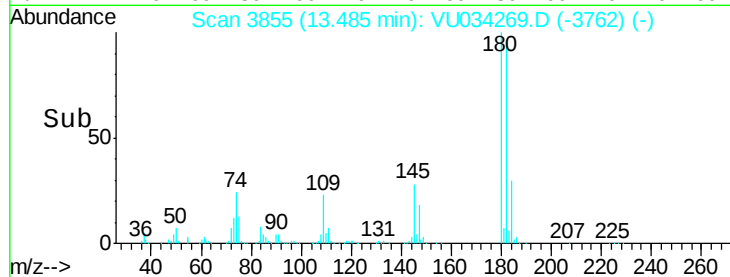
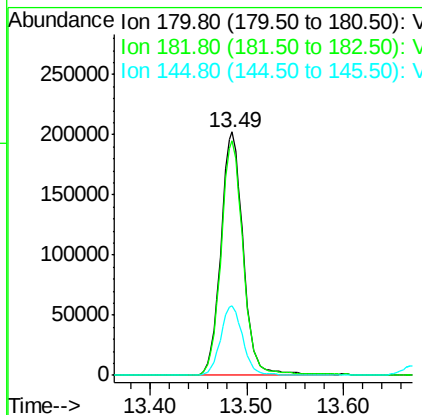
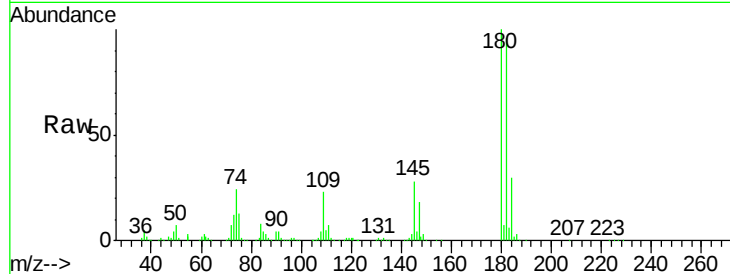
#93
 1,2,4-Trichlorobenzene
 Concen: 46.565 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.4	142.2	
145	28.7	14.1	42.3	

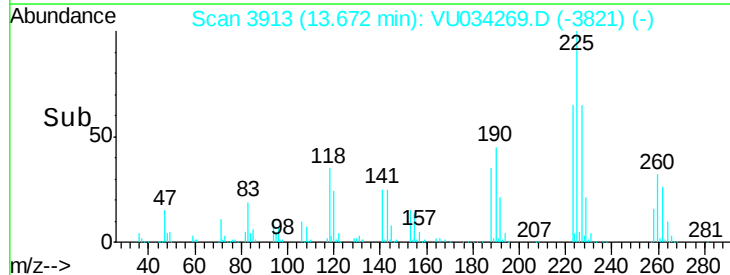
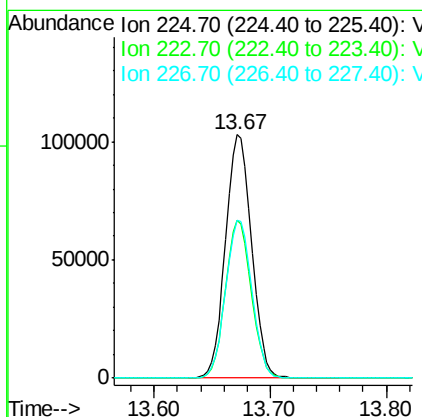
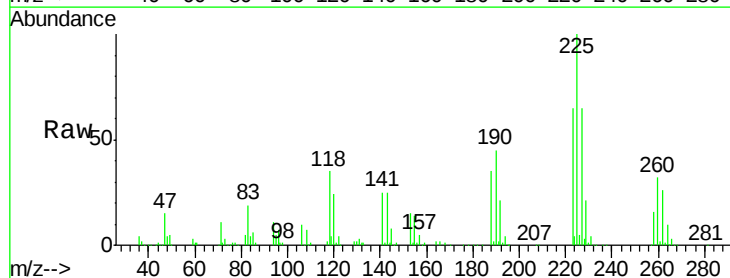
Manual Integrations
 APPROVED

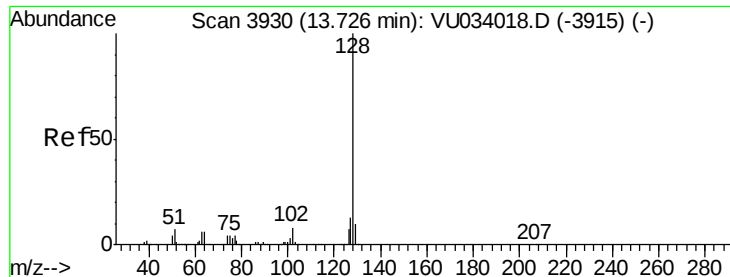
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 9/5/2019 5:01:13 PM



#94
 Hexachlorobutadiene
 Concen: 41.590 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034269.D
 Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.1	31.8	95.3	
227	64.8	32.6	97.8	





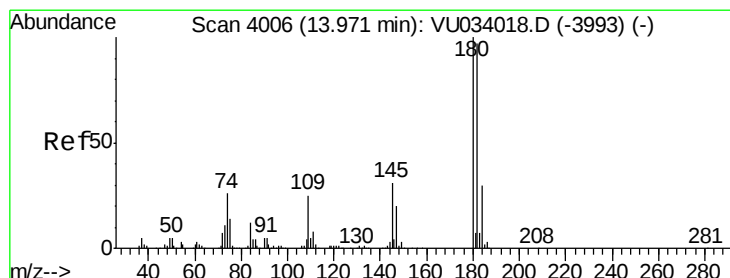
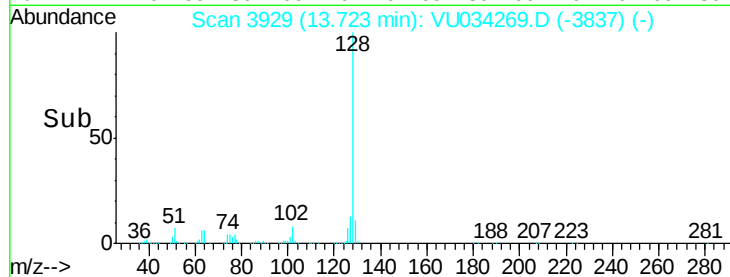
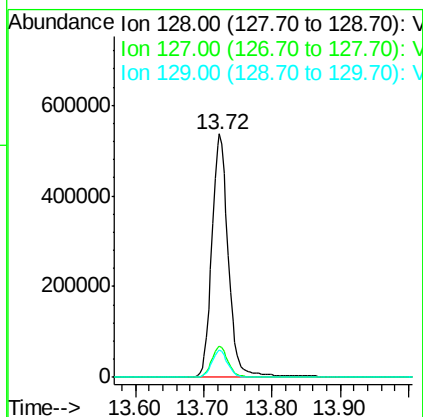
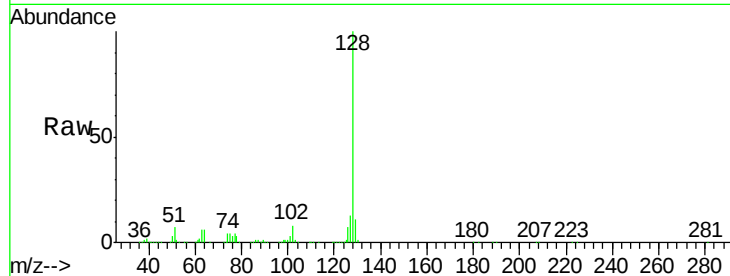
#95
Naphthalene
Concen: 45.464 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.5	8.4	12.6

Manual Integrations
APPROVED

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9/5/2019 5:01:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.205 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. -0.00 min
Lab File: VU034269.D
Acq: 04 Sep 2019 19:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.2	144.6
145	30.7	15.5	46.5

