

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057611.D
 Acq On : 31 Aug 2019 13:10
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:51:47 AM

Quant Time: Aug 31 15:56:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:32:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	161740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	268801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	227360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	81998	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	18202	4.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.96%	
35) Dibromofluoromethane	7.57	113	11973	5.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.26%	
50) Toluene-d8	10.08	98	41702	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	
62) 4-Bromofluorobenzene	12.40	95	17030	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	10755	4.158	ug/l	97
3) Chloromethane	2.05	50	13507	4.530	ug/l	98
4) Vinyl Chloride	2.18	62	10712	4.587	ug/l	96
5) Bromomethane	2.51	94	7154	4.803	ug/l	92
6) Chloroethane	2.65	64	6160	4.722	ug/l	99
7) Trichlorofluoromethane	2.99	101	14975	4.568	ug/l	98
8) Diethyl Ether	3.39	74	5258	4.847	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	8343	5.020	ug/l	97
10) Methyl Iodide	3.92	142	8478	3.754	ug/l	92
11) Tert butyl alcohol	4.82	59	7923	19.818	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	7100	4.713	ug/l	81
13) Acrolein	3.59	56	4183	28.144	ug/l #	80
14) Allyl chloride	4.29	41	21716	4.620	ug/l	96
15) Acrylonitrile	4.97	53	24864	21.623	ug/l #	87
16) Acetone	3.81	43	24200	23.634	ug/l	93
17) Carbon Disulfide	4.01	76	20011	4.109	ug/l	98
18) Methyl Acetate	4.31	43	20026	5.696	ug/l	96
19) Methyl tert-butyl Ether	5.03	73	33506	4.299	ug/l	95
20) Methylene Chloride	4.53	84	11369	4.485	ug/l #	89
21) trans-1,2-Dichloroethene	5.01	96	9653	4.310	ug/l	95
22) Diisopropyl ether	5.94	45	43483m	4.503	ug/l	
23) Vinyl Acetate	5.88	43	146731	19.761	ug/l	99
24) 1,1-Dichloroethane	5.83	63	20453	4.217	ug/l	95
25) 2-Butanone	6.84	43	36198	21.215	ug/l	99
26) 2,2-Dichloropropane	6.80	77	15430	3.980	ug/l #	70
27) cis-1,2-Dichloroethene	6.81	96	12125	4.533	ug/l	94
28) Bromochloromethane	7.18	49	12355	4.784	ug/l	97
29) Tetrahydrofuran	7.21	42	23532	21.983	ug/l	95
30) Chloroform	7.36	83	21987	4.469	ug/l	99
31) Cyclohexane	7.64	56	24992	5.206	ug/l #	68
32) 1,1,1-Trichloroethane	7.56	97	16643	4.124	ug/l	97
36) 1,1-Dichloropropene	7.77	75	15526	4.357	ug/l	98
37) Ethyl Acetate	6.92	43	12861	3.789	ug/l #	89
38) Carbon Tetrachloride	7.75	117	13138	4.118	ug/l	92

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	18343	4.357	ug/l	94
40) Benzene	8.02	78	46720	4.504	ug/l	98
41) Methacrylonitrile	7.16	41	6300	5.443	ug/l #	84
42) 1,2-Dichloroethane	8.11	62	18111	4.298	ug/l	99
43) Isopropyl Acetate	8.16	43	24068	3.941	ug/l	98
44) Trichloroethene	8.82	130	11020	4.683	ug/l	83
45) 1,2-Dichloropropane	9.11	63	13994	4.843	ug/l #	87
46) Dibromomethane	9.20	93	8054	4.502	ug/l	90
47) Bromodichloromethane	9.39	83	13819	3.802	ug/l	99
48) Methyl methacrylate	9.19	41	13093	4.199	ug/l	96
49) 1,4-Dioxane	9.20	88	3060	83.804	ug/l	92
51) 4-Methyl-2-Pentanone	9.98	43	69939	19.980	ug/l	99
52) Toluene	10.15	92	25871	4.220	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	13152	6.251	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	15275	5.113	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	9671	4.157	ug/l	94
56) Ethyl methacrylate	10.43	69	15596	4.017	ug/l	97
57) 1,3-Dichloropropane	10.71	76	17935	4.202	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	22379	19.704	ug/l	99
59) 2-Hexanone	10.75	43	50443	19.623	ug/l	96
60) Dibromochloromethane	10.90	129	7495	6.276	ug/l	88
61) 1,2-Dibromoethane	11.00	107	9413	4.019	ug/l	94
64) Tetrachloroethene	10.63	164	8919	4.530	ug/l	91
65) Chlorobenzene	11.43	112	25100	4.406	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	8280	4.167	ug/l	95
67) Ethyl Benzene	11.51	91	46637	4.213	ug/l	94
68) m/p-Xylenes	11.62	106	32586	8.356	ug/l	91
69) o-Xylene	11.95	106	15685	4.150	ug/l	98
70) Styrene	11.96	104	23338	5.837	ug/l	96
71) Bromoform	12.13	173	4014	8.599	ug/l #	62
73) Isopropylbenzene	12.25	105	42133	5.089	ug/l	98
74) N-amyl acetate	12.07	43	18492	4.733	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	12367	5.068	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	10920m	5.063	ug/l	
77) Bromobenzene	12.53	156	8355	4.742	ug/l	92
78) n-propylbenzene	12.59	91	45591	4.948	ug/l	98
79) 2-Chlorotoluene	12.68	91	27720	4.824	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	31167	4.576	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.30	75	2411	3.620	ug/l	84
82) 4-Chlorotoluene	12.77	91	28049	4.932	ug/l	99
83) tert-Butylbenzene	12.99	119	28471	4.927	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	30091	4.567	ug/l	97
85) sec-Butylbenzene	13.17	105	38033	4.893	ug/l	100
86) p-Isopropyltoluene	13.29	119	30006	4.668	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	12632	4.400	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	12226	4.409	ug/l	89
89) n-Butylbenzene	13.62	91	28573	4.743	ug/l	97
90) Hexachloroethane	13.88	117	4863	4.357	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	10793	3.940	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1430	3.806	ug/l	81

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ALS Vial : 2 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :
VSTDICC005

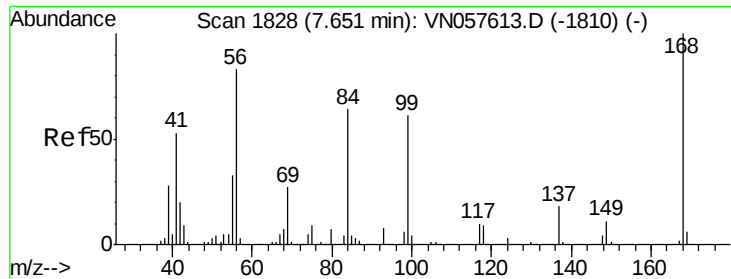
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Aug 31 15:32:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2715	10.201	ug/l	86
94) Hexachlorobutadiene	15.01	225	4743	5.046	ug/l	97
95) Naphthalene	15.13	128	8490	8.984	ug/l	95
96) 1,2,3-Trichlorobenzene	15.30	180	2759	9.723	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 161740

Ion Ratio Lower Upper

168 100

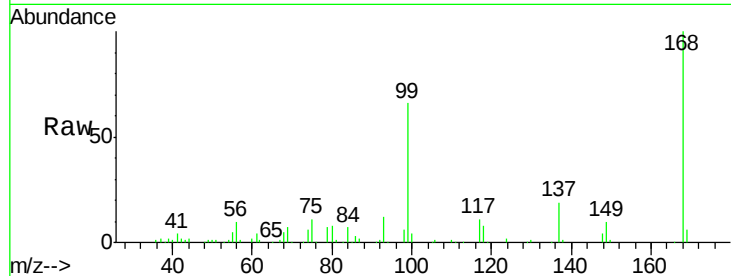
99 65.1 54.2 81.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

60000

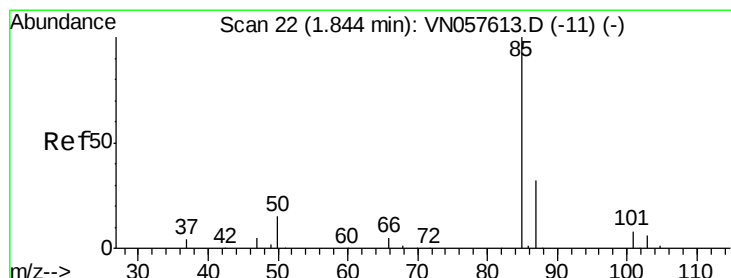
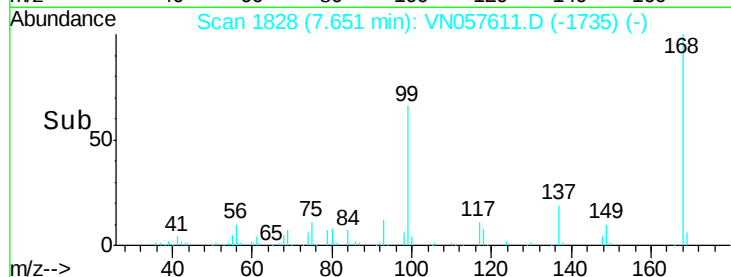
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 4.158 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN057611.D

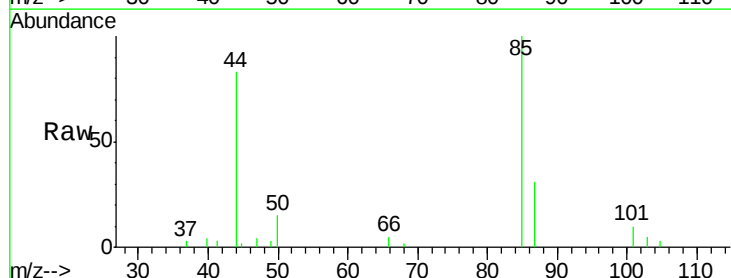
Acq: 31 Aug 2019 13:10

Tgt Ion: 85 Resp: 10755

Ion Ratio Lower Upper

85 100

87 30.7 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

8000

6000

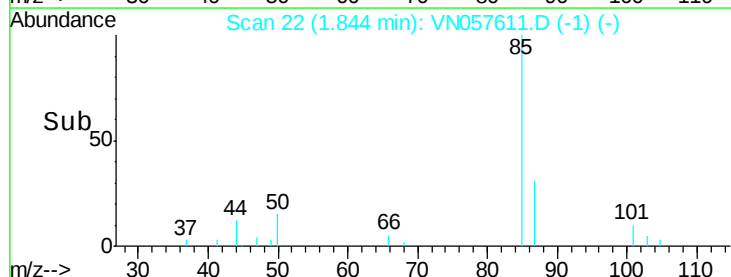
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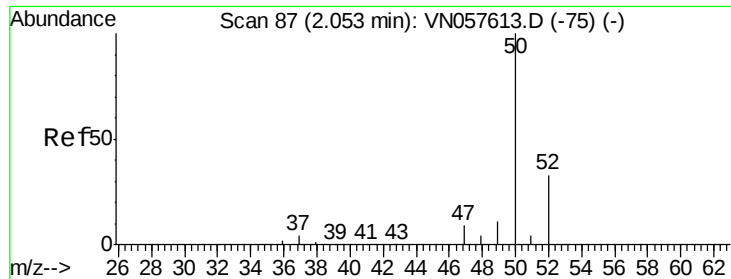
2000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 4.530 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Tot Ion: 50 Resp: 13507

Ion Ratio Lower Upper

50 100

52 32.0 26.7 40.1

Instrument :

MSVOA_N

ClientSampled :

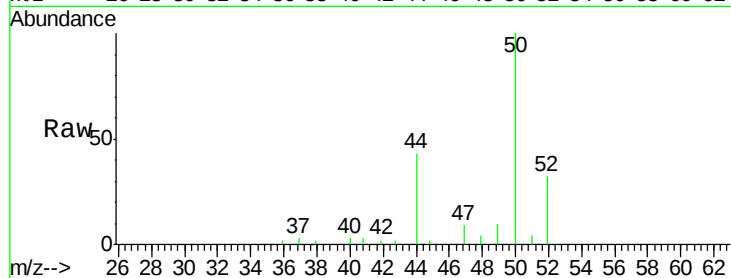
VSTDIC005

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

10000

8000

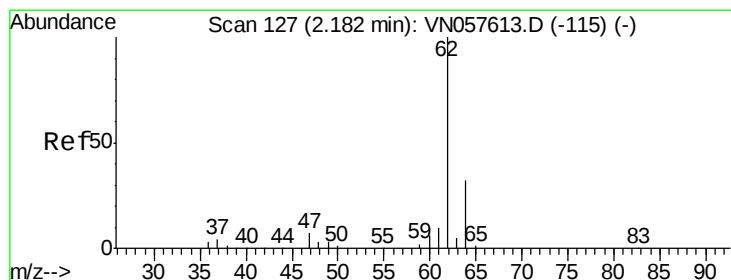
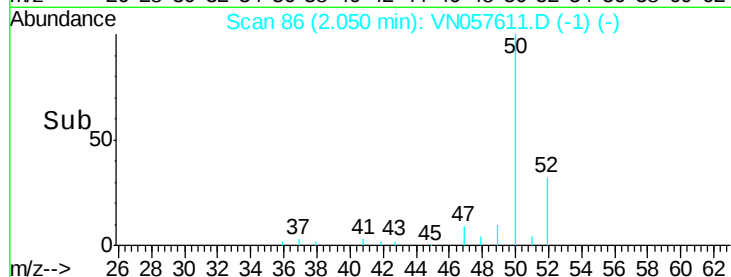
6000

4000

2000

0

Time-->



#4

Vinyl Chloride

Concen: 4.587 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057611.D

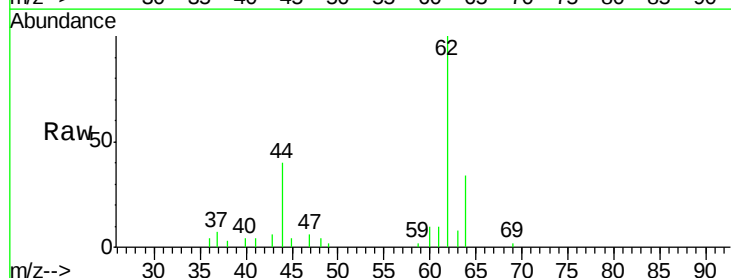
Acq: 31 Aug 2019 13:10

Tgt Ion: 62 Resp: 10712

Ion Ratio Lower Upper

62 100

64 33.7 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

8000

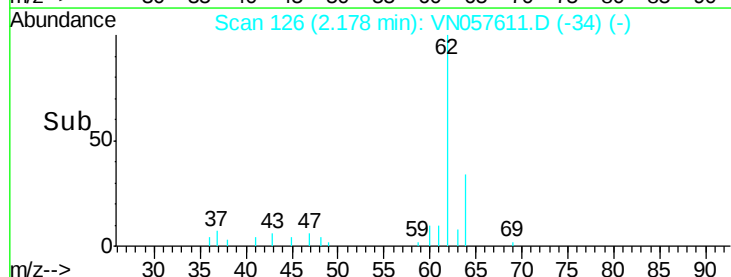
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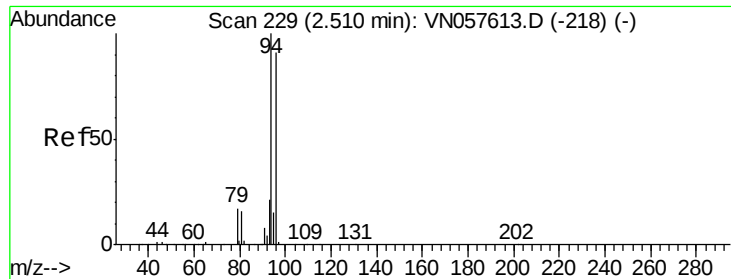
4000

2000

0

Time-->





#5

Bromomethane

Concen: 4.803 ug/l

RT: 2.51 min Scan# 229

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 94 Resp: 7154

Ion Ratio Lower Upper

94 100

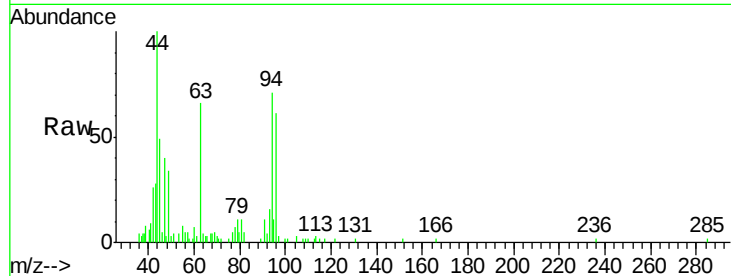
96 83.5 72.9 109.3

Manual Integrations

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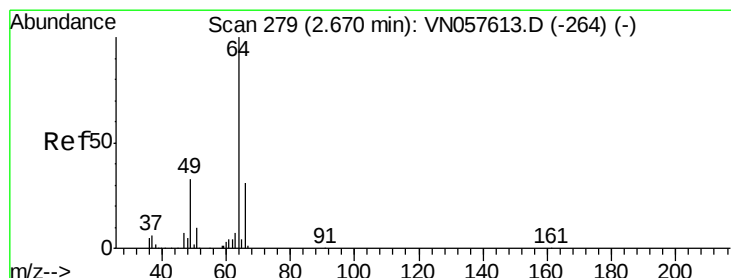
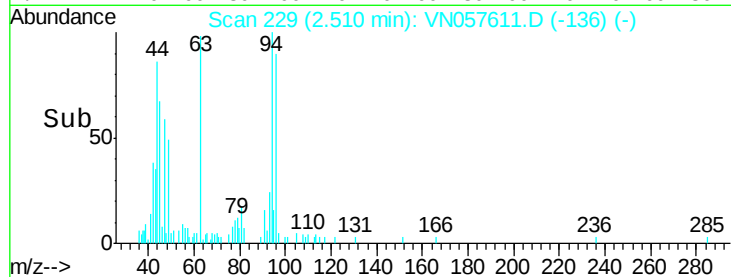
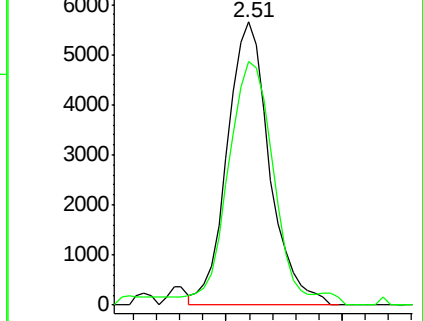
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 4.722 ug/l

RT: 2.65 min Scan# 273

Delta R.T. -0.02 min

Lab File: VN057611.D

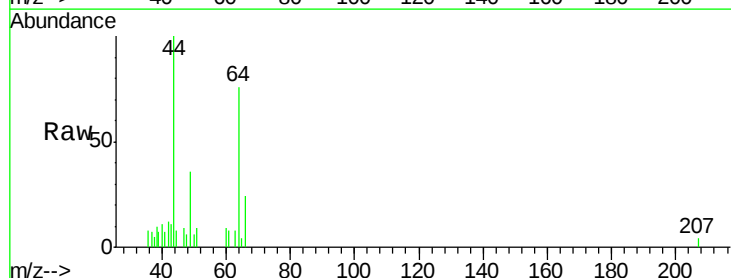
Acq: 31 Aug 2019 13:10

Tgt Ion: 64 Resp: 6160

Ion Ratio Lower Upper

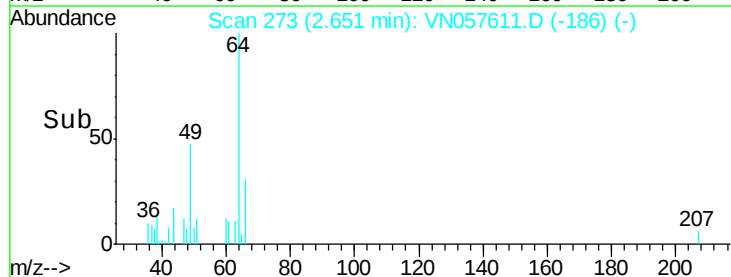
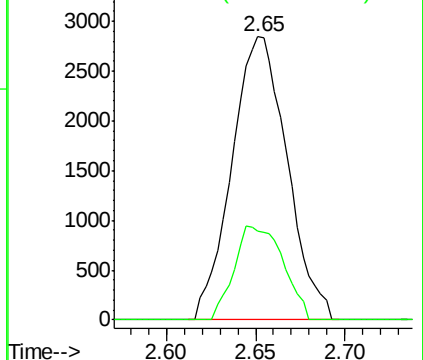
64 100

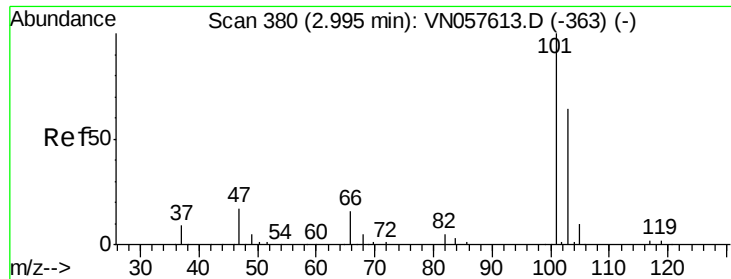
66 31.3 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

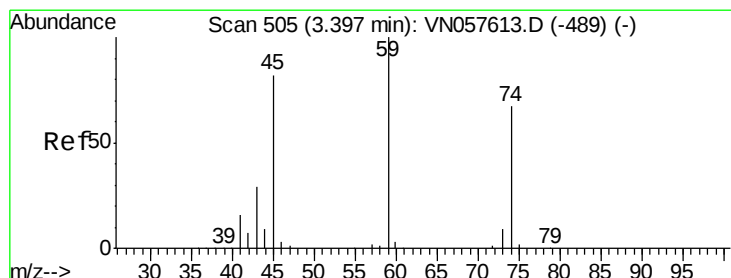
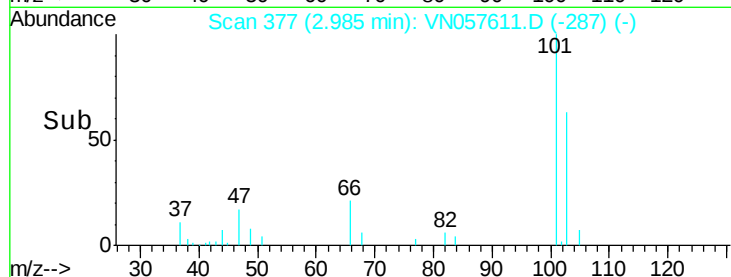
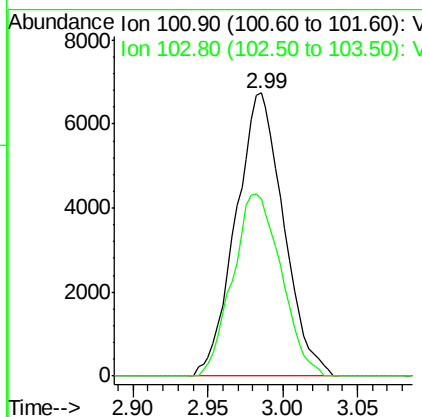
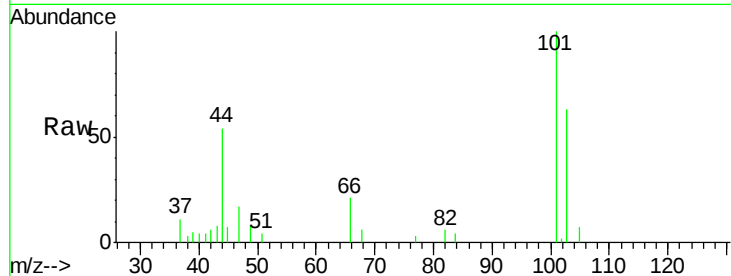
Trichlorofluoromethane
Concen: 4.568 ug/l
RT: 2.99 min Scan# 377
Delta R.T. -0.01 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.3	76.9

Manual Integrations
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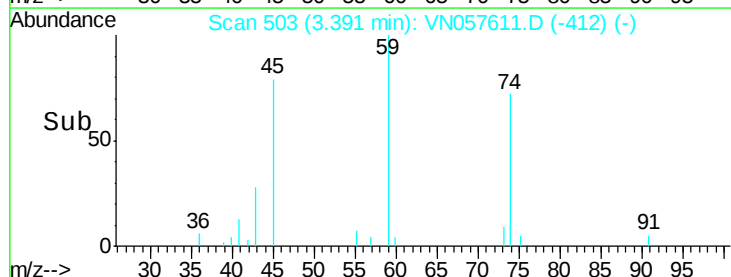
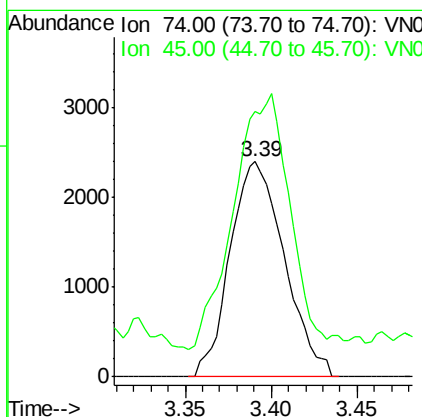
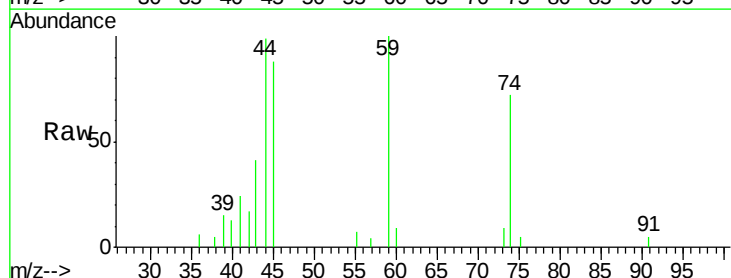
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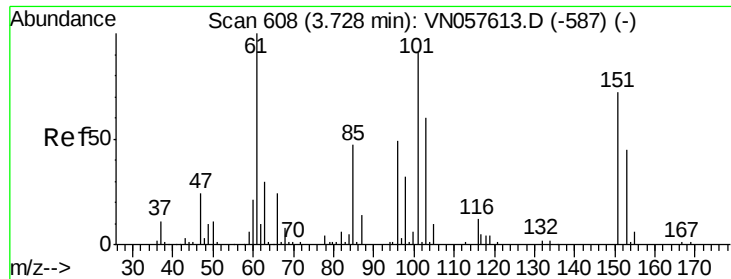


#8

Diethyl Ether
Concen: 4.847 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.01 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.2	61.9	185.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.020 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.01 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

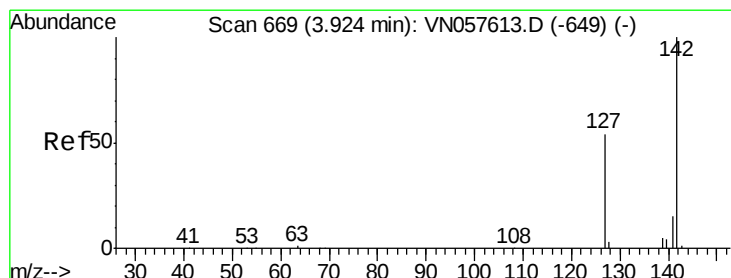
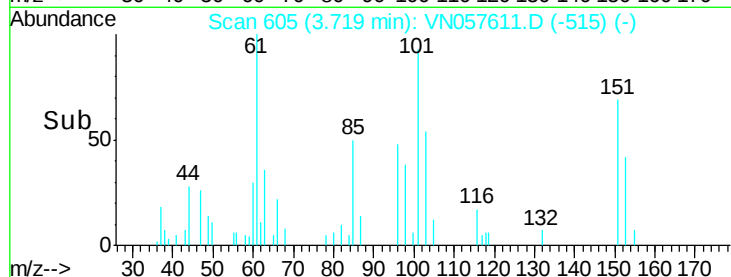
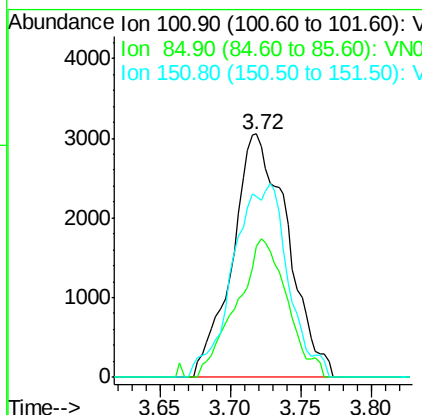
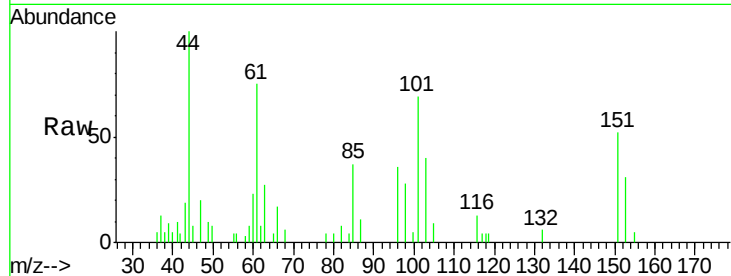
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	8343
Ion Ratio	Lower	Upper	
101	100		
85	52.0	42.1	63.1
151	79.3	60.2	90.4

Manual Integrations
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#10

Methyl Iodide

Concen: 3.754 ug/l

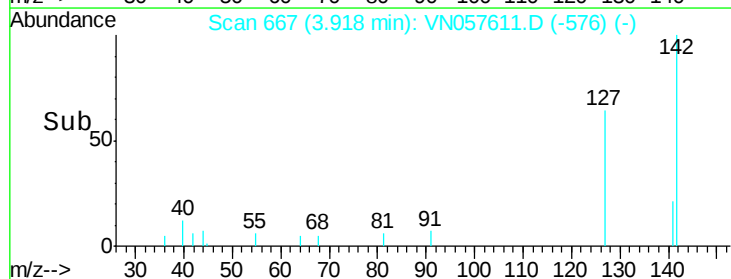
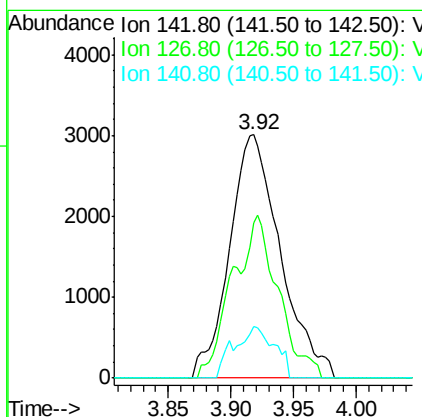
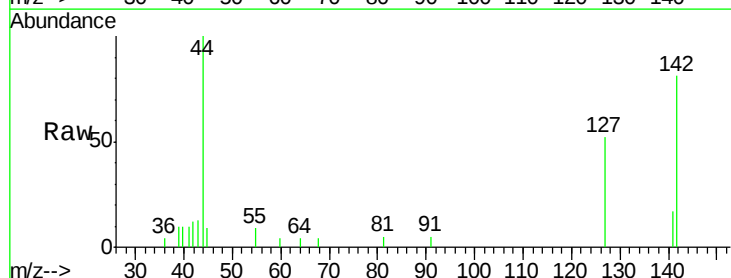
RT: 3.92 min Scan# 667

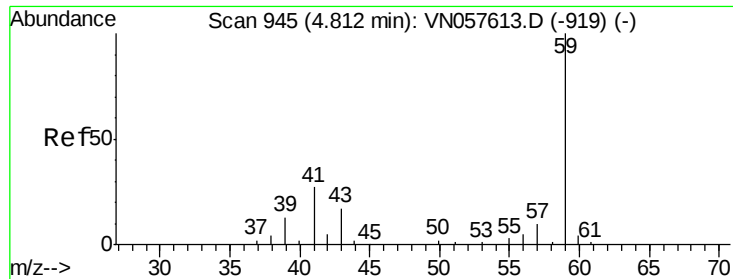
Delta R.T. -0.01 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Tgt Ion:	142	Resp:	8478
Ion Ratio	Lower	Upper	
142	100		
127	60.3	43.0	64.6
141	12.7	11.4	17.2





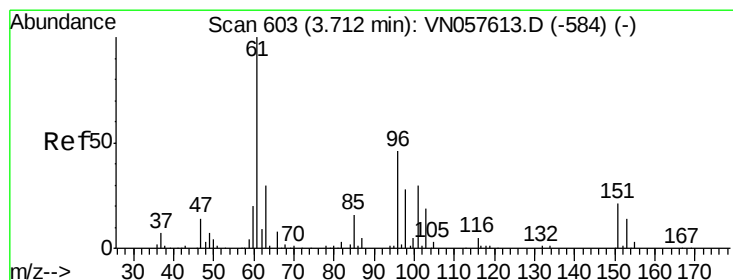
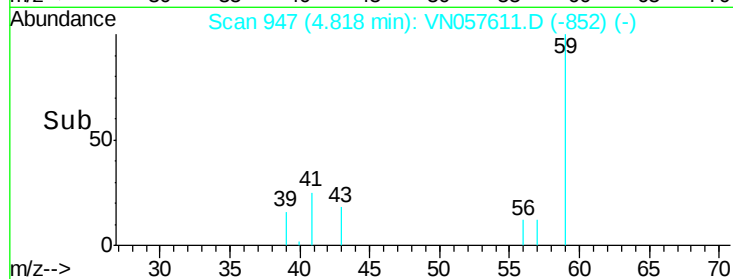
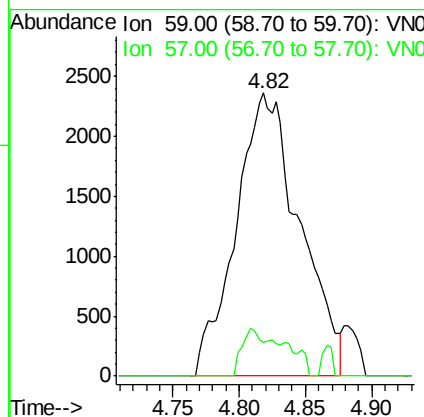
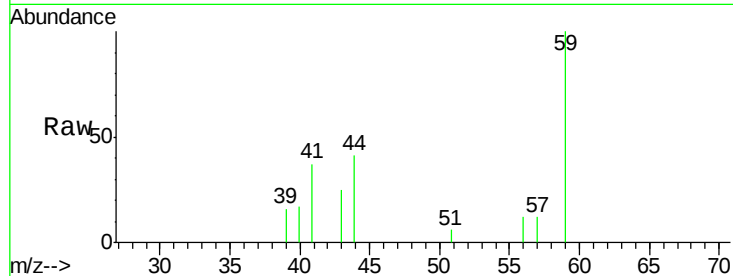
#11
Tert butyl alcohol
Concen: 19.818 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 7923
Ion Ratio Lower Upper
59 100
57 11.2 5.0 7.6#

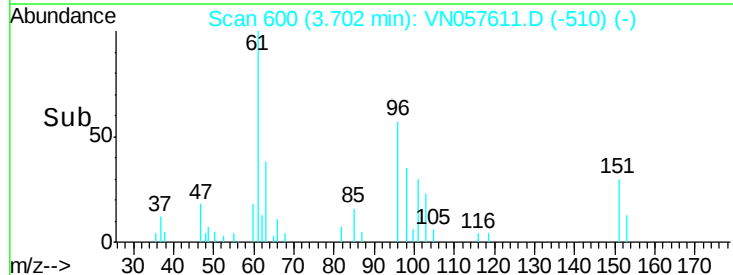
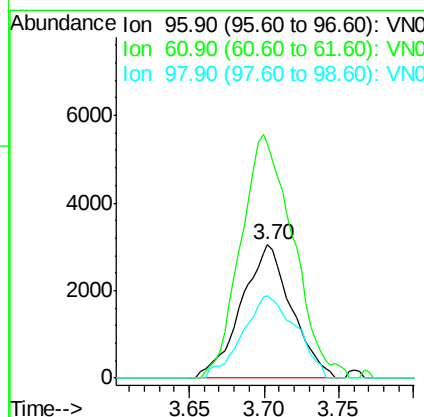
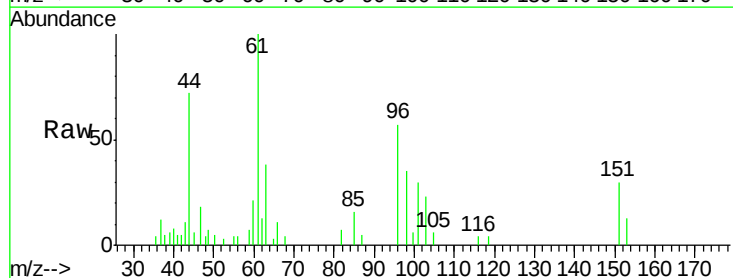
Manual Integrations
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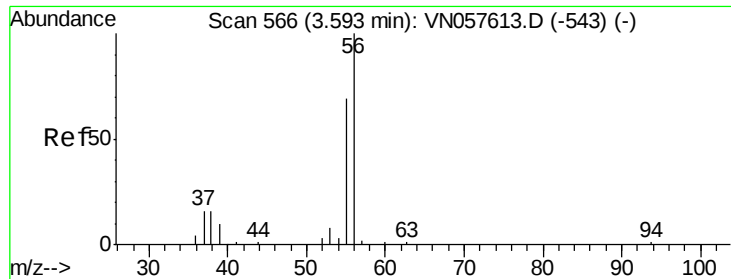
MMDadoda
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#12
1,1-Dichloroethene
Concen: 4.713 ug/l
RT: 3.70 min Scan# 600
Delta R.T. -0.01 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion: 96 Resp: 7100
Ion Ratio Lower Upper
96 100
61 176.4 172.1 258.1
98 61.6 48.3 72.5





#13

Acrolein

Concen: 28.144 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4183

Ion Ratio Lower Upper

56 100

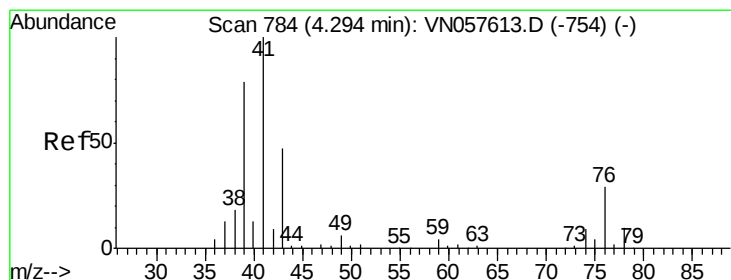
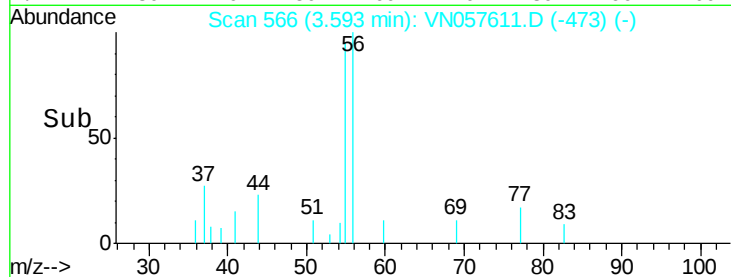
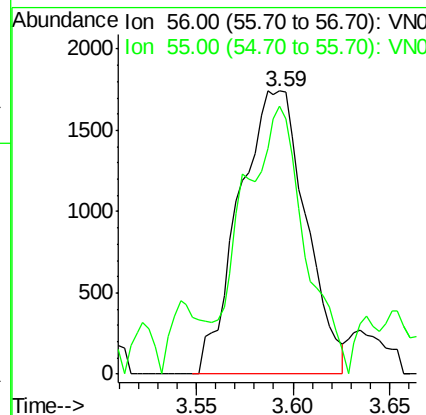
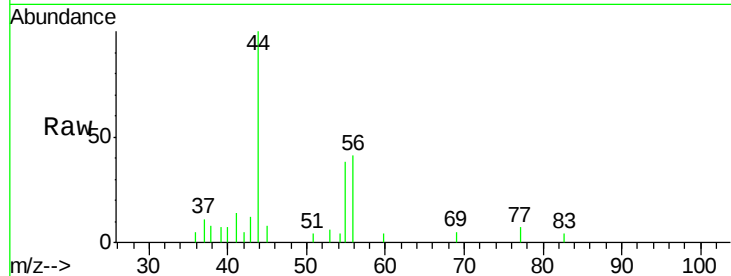
55 87.2 56.5 84.7#

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#14

Allyl chloride

Concen: 4.620 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.01 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

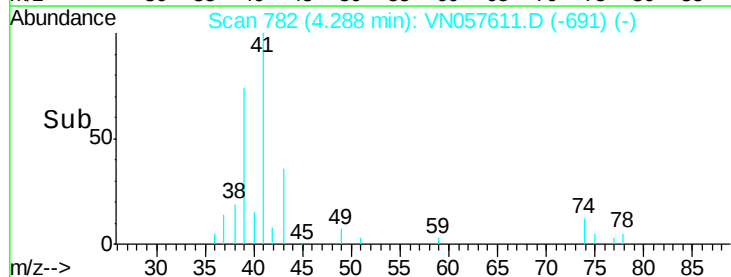
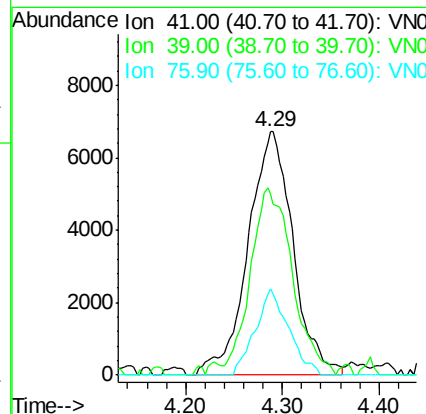
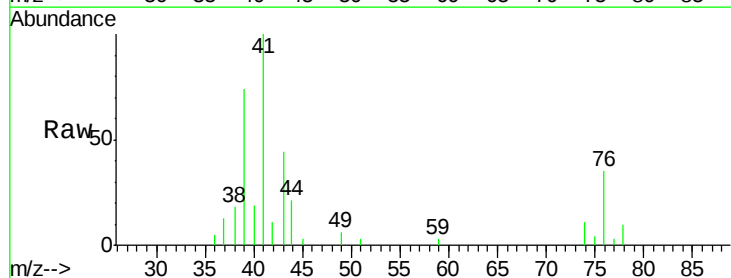
Tgt Ion: 41 Resp: 21716

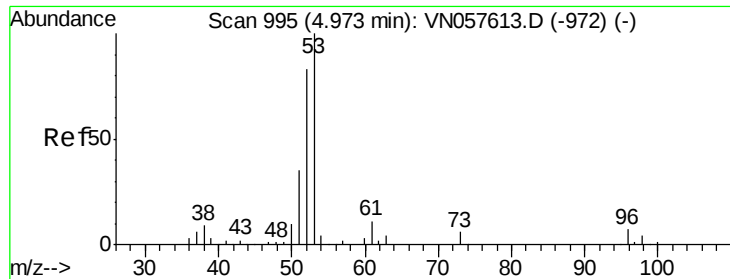
Ion Ratio Lower Upper

41 100

39 71.9 60.9 91.3

76 26.3 21.1 31.7





#15

Acrylonitrile

Concen: 21.623 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

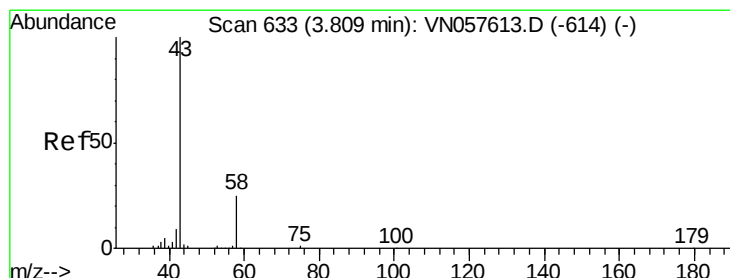
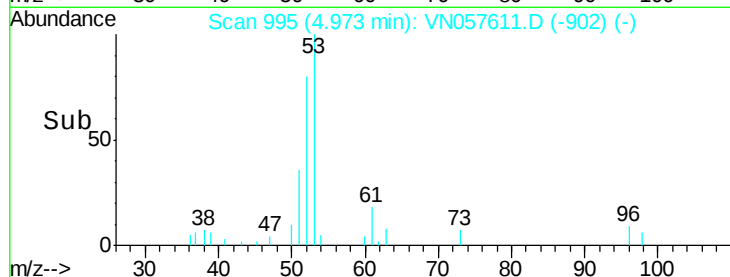
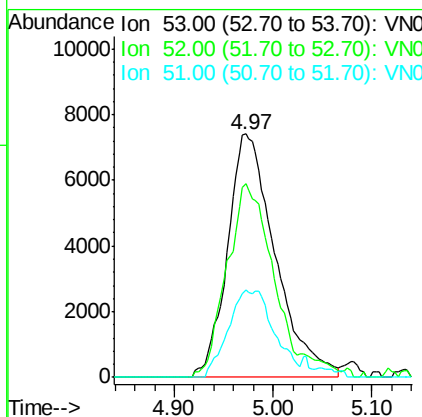
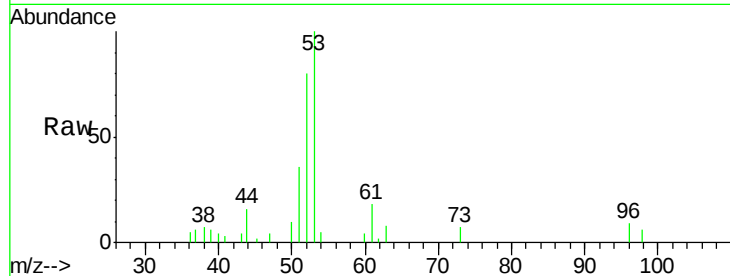
ClientSampled :

VSTDIC005

Tot Ion:	53	Resp:	24864
Ion	Ratio	Lower	Upper
53	100		
52	79.6	67.1	100.7
51	18.5	30.2	45.4#

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#16

Acetone

Concen: 23.634 ug/l

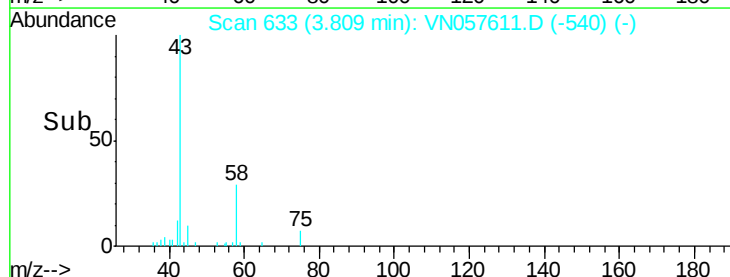
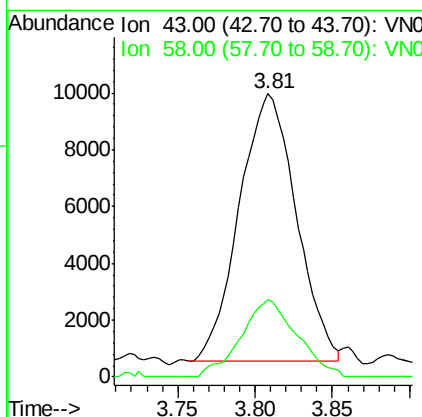
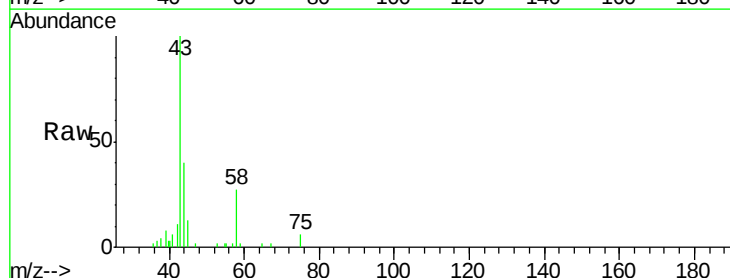
RT: 3.81 min Scan# 633

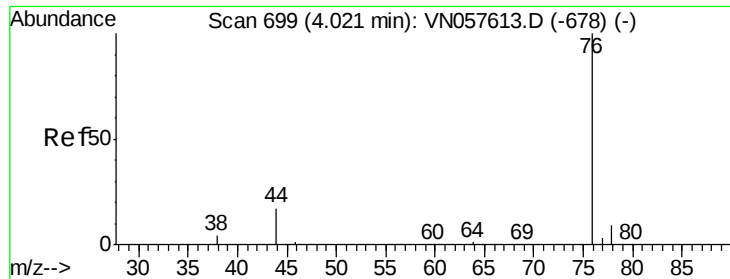
Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Tgt Ion:	43	Resp:	24200
Ion	Ratio	Lower	Upper
43	100		
58	28.7	20.0	30.0





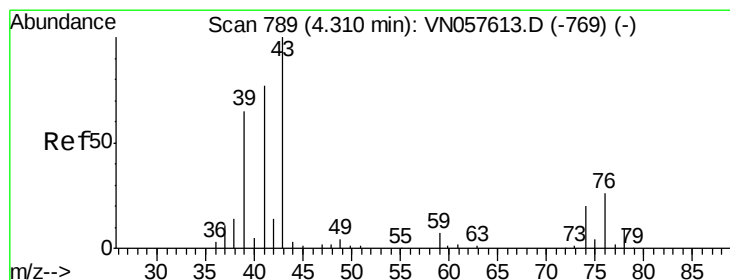
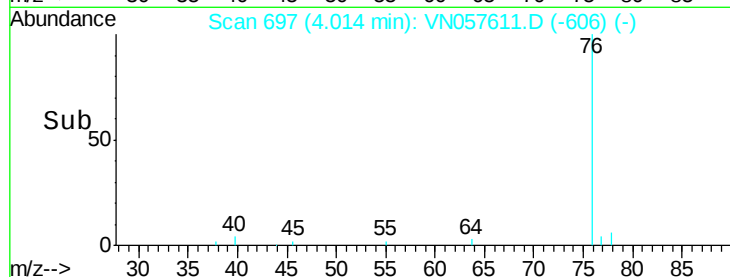
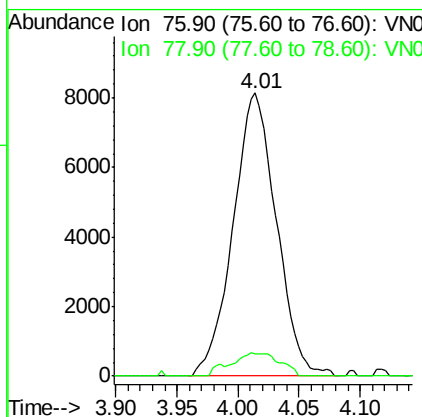
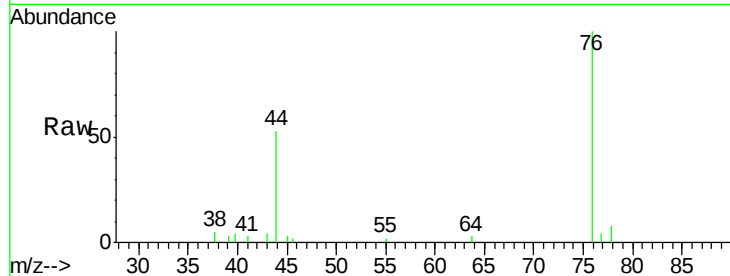
#17
Carbon Disulfide
Concen: 4.109 ug/l
RT: 4.01 min Scan# 697
Delta R.T. -0.01 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	6.9	10.3

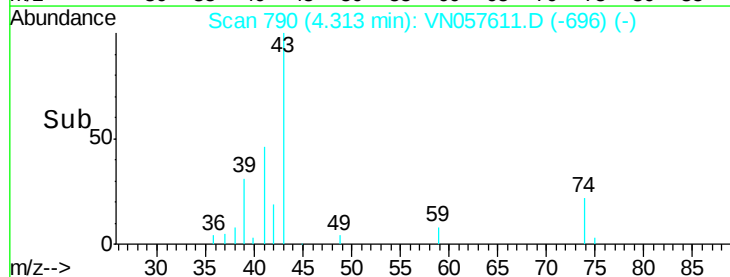
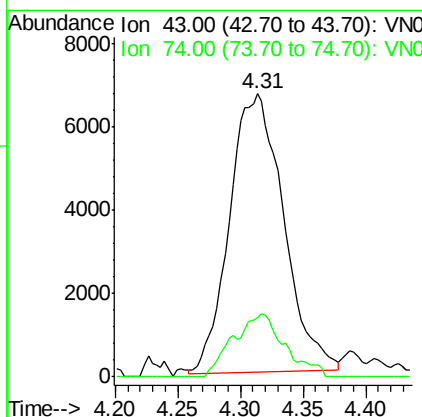
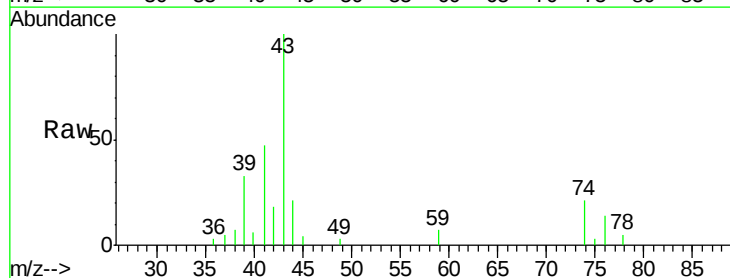
Manual Integrations
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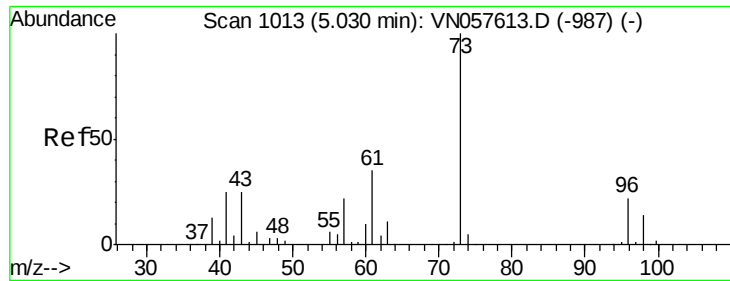
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#18
Methyl Acetate
Concen: 5.696 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	15.7	23.5





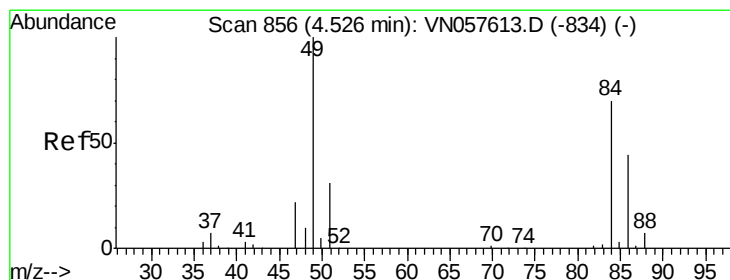
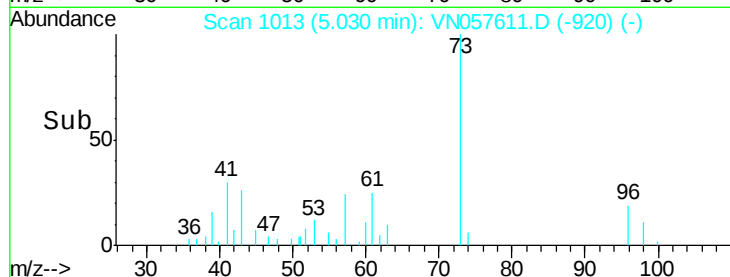
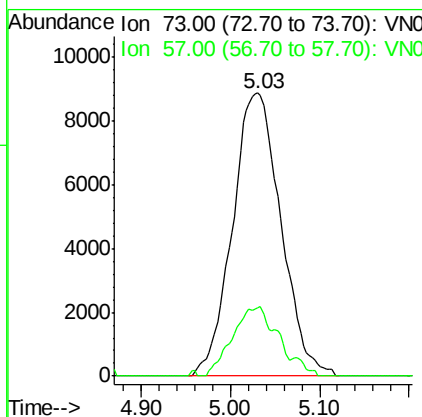
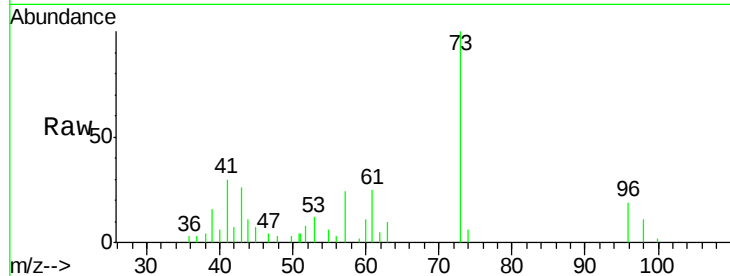
#19
Methvl tert-butvl Ether
Concen: 4.299 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 33506
Ion Ratio Lower Upper
73 100
57 24.1 17.3 25.9

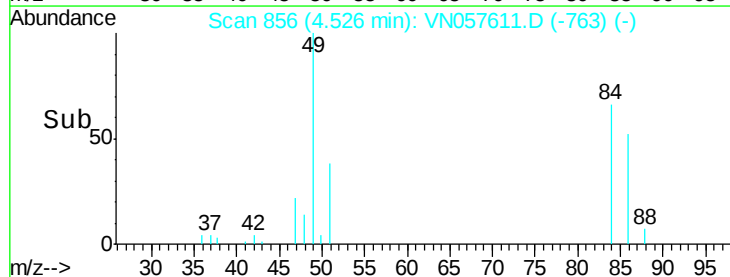
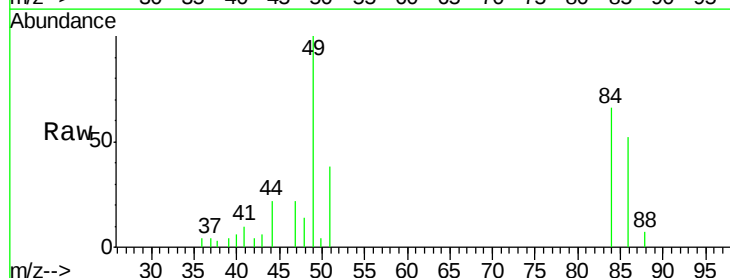
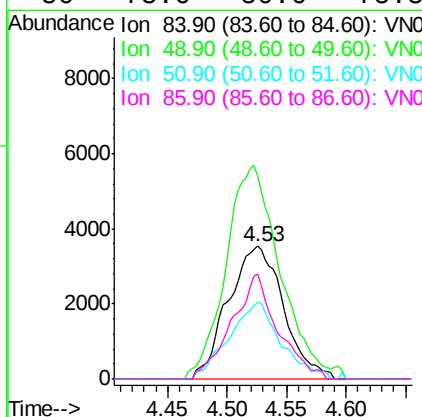
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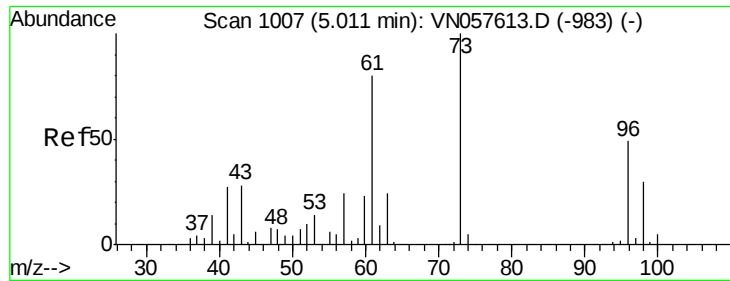
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#20
Methylene Chloride
Concen: 4.485 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion: 84 Resp: 11369
Ion Ratio Lower Upper
84 100
49 146.6 113.8 170.6
51 57.5 35.0 52.6#
86 78.6 50.6 75.8#





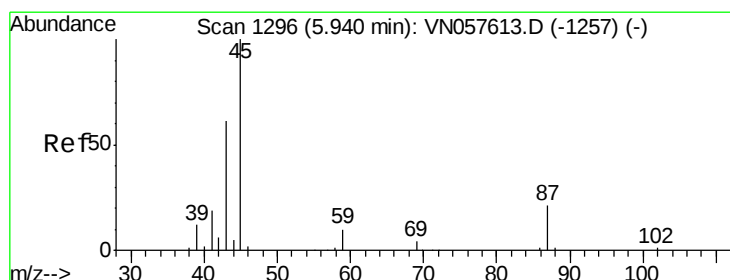
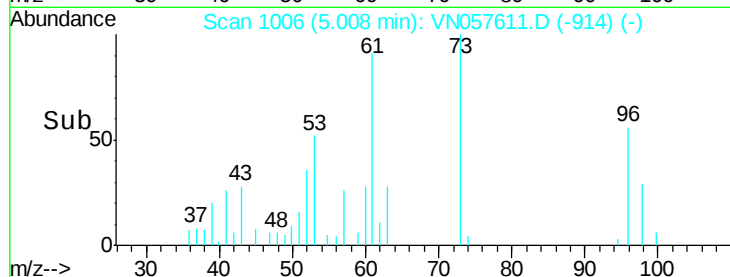
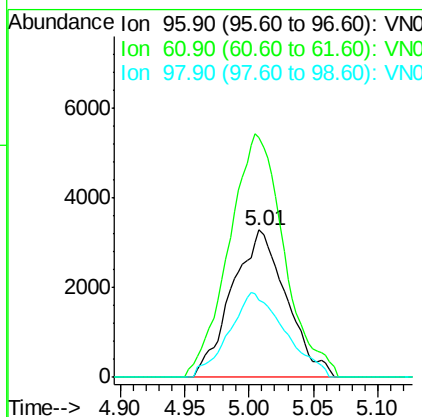
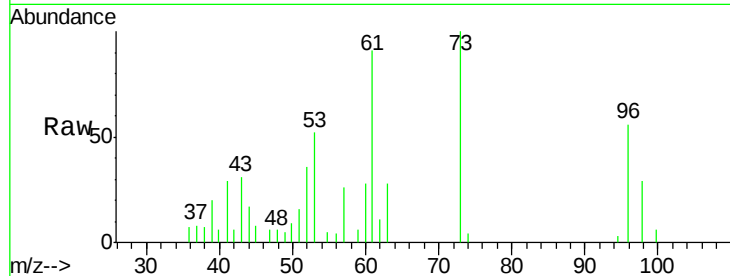
#21
trans-1,2-Dichloroethene
Concen: 4.310 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.9	131.6	197.4
98	52.1	49.9	74.9

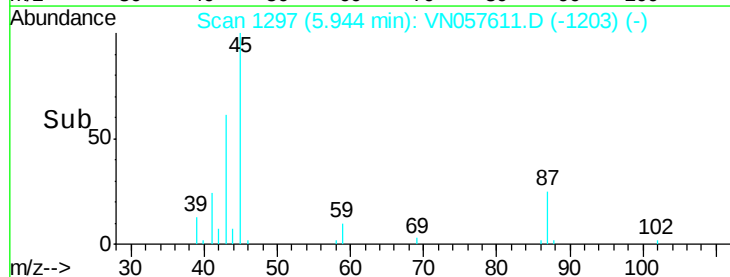
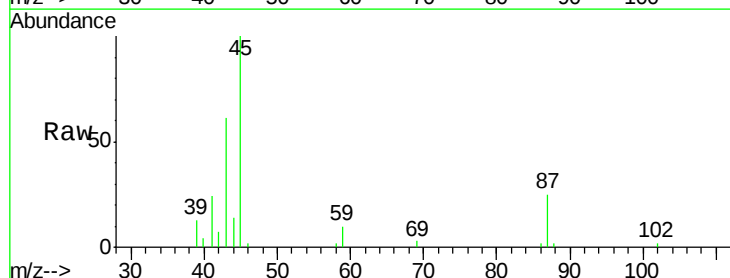
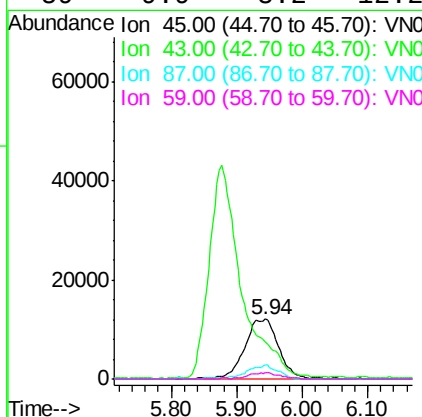
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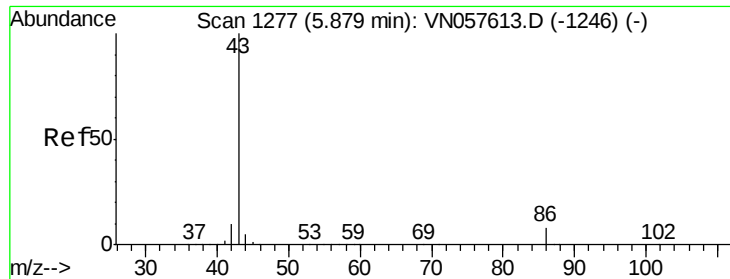
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#22
Diisopropyl ether
Concen: 4.503 ug/l m
RT: 5.94 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.2	49.1	73.7
87	24.6	17.0	25.6
59	9.9	8.2	12.2





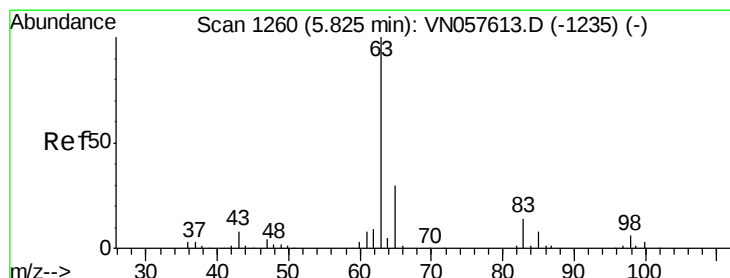
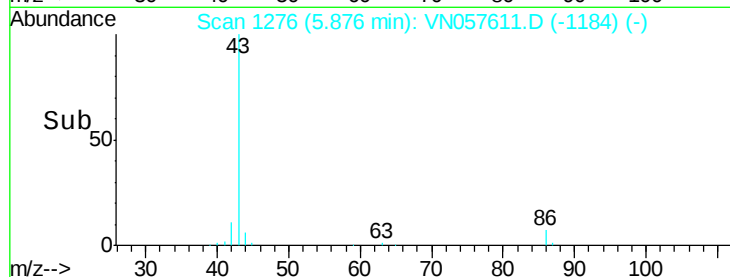
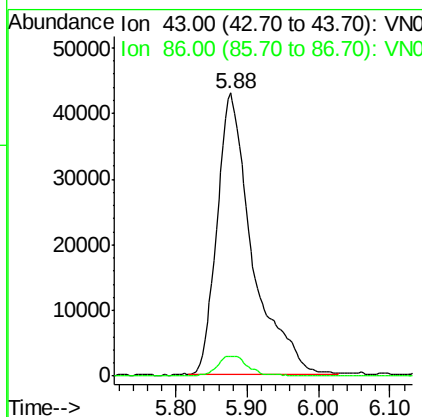
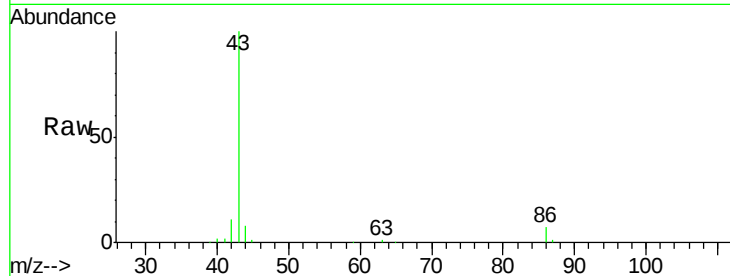
#23
 Vinyl Acetate
 Concen: 19.761 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	146731
Ion Ratio	100	Lower	Upper
43	100		
86	7.1	6.1	9.1

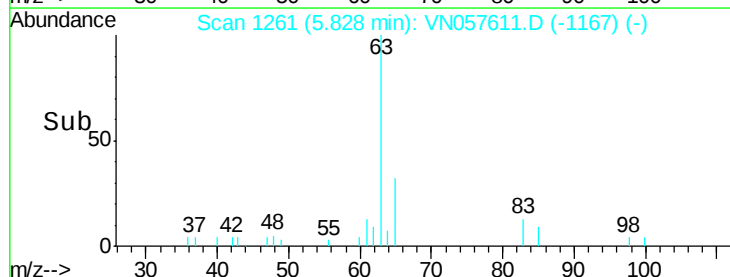
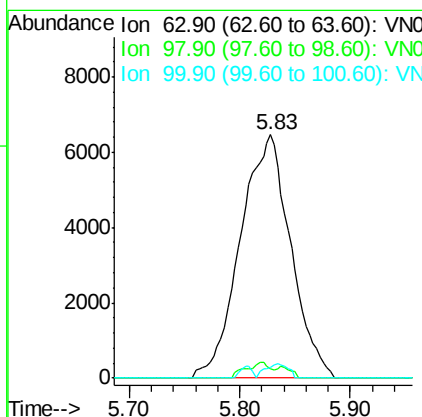
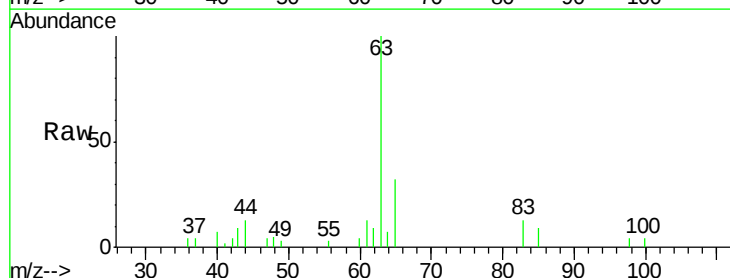
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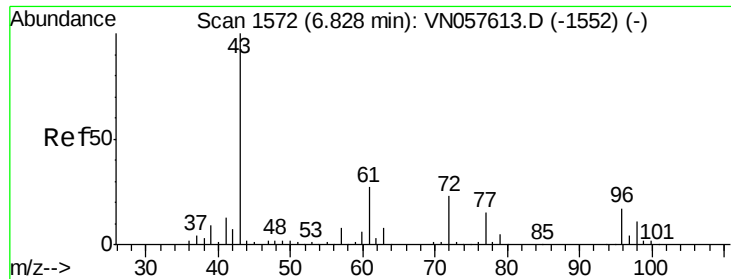
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 9/3/2019 11:51:47 AM



#24
 1,1-Dichloroethane
 Concen: 4.217 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Tgt Ion	63	Resp	20453
Ion Ratio	100	Lower	Upper
63	100		
98	3.9	2.8	8.4
100	4.4	1.5	4.5





#25

2-Butanone

Concen: 21.215 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 36198

Ion Ratio Lower Upper

43 100

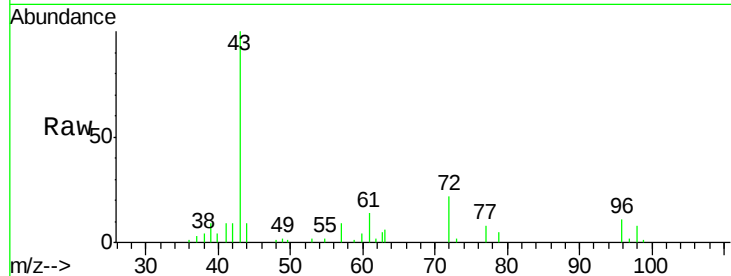
72 22.5 18.2 27.4

Manual Integrations

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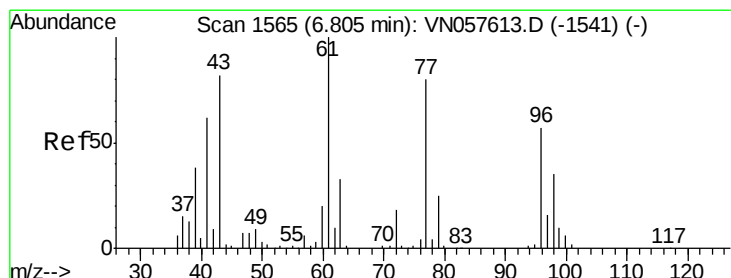
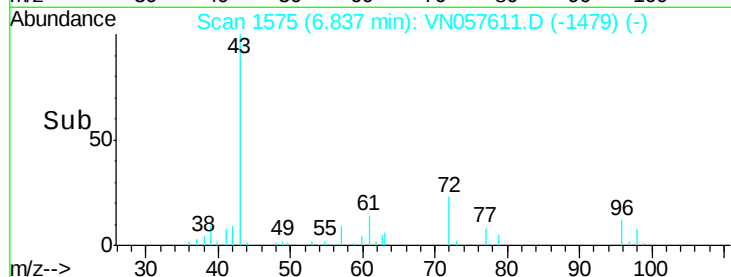
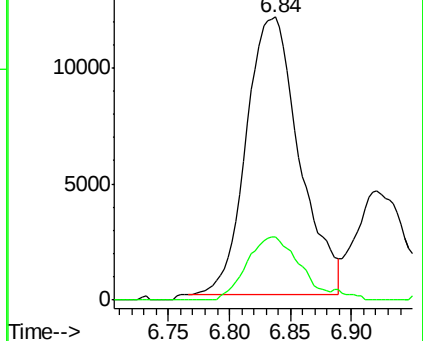
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 3.980 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057611.D

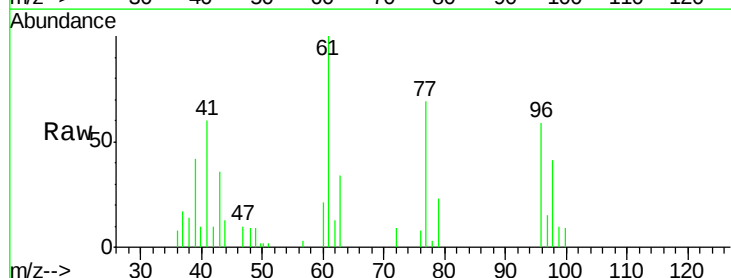
Acq: 31 Aug 2019 13:10

Tgt Ion: 77 Resp: 15430

Ion Ratio Lower Upper

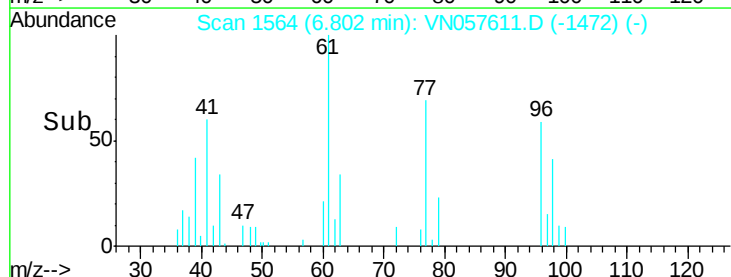
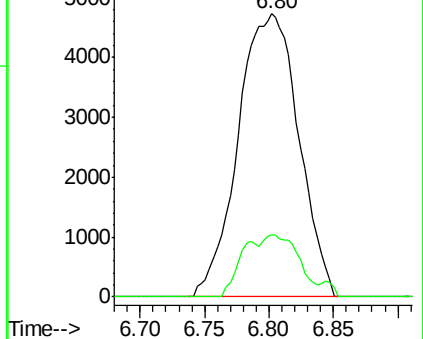
77 100

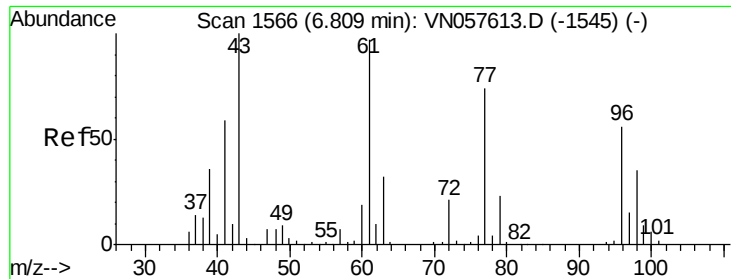
97 7.2 10.6 31.8#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 4.533 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

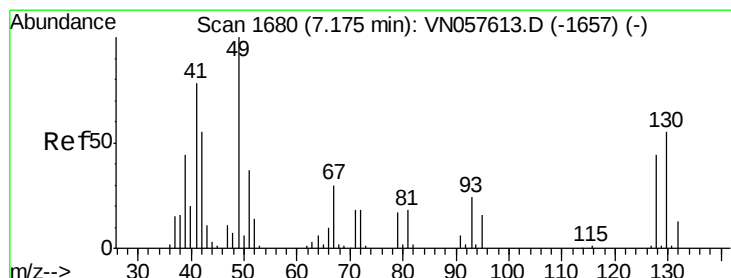
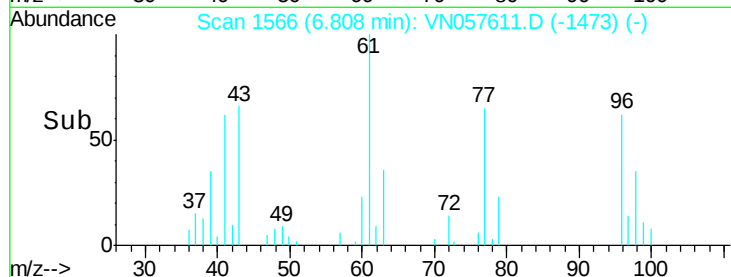
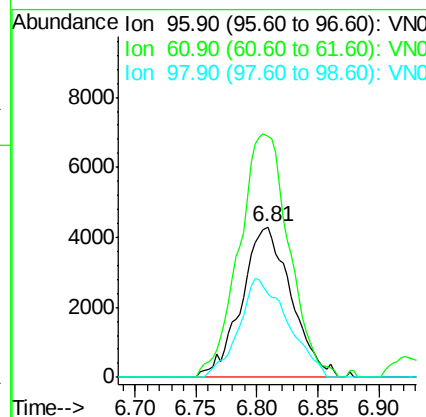
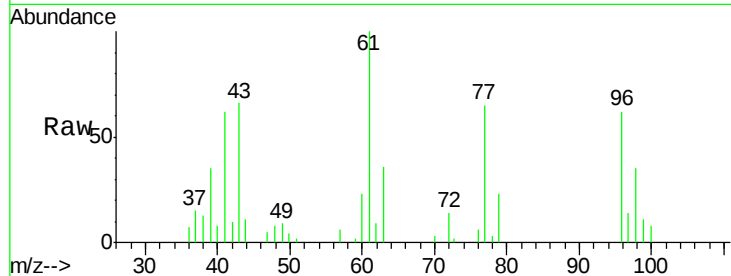
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	12125
Ion	Ratio	Lower	Upper
96	100		
61	162.7	0.0	344.6
98	64.7	0.0	124.8

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#28

Bromochloromethane

Concen: 4.784 ug/l

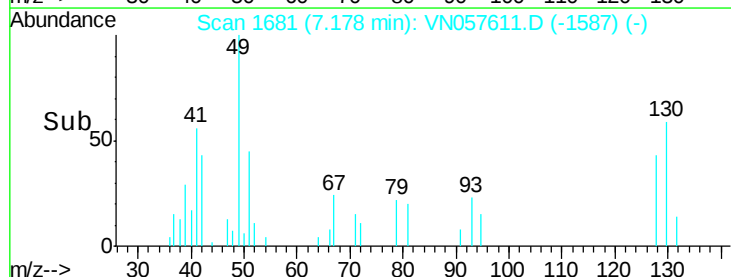
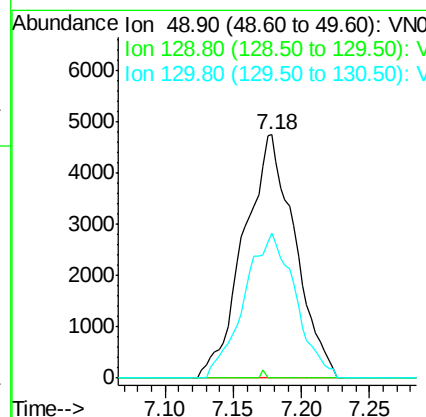
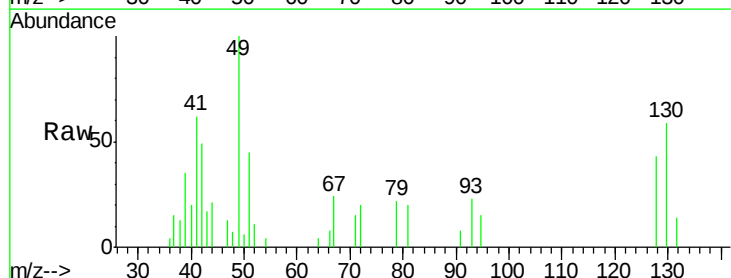
RT: 7.18 min Scan# 1681

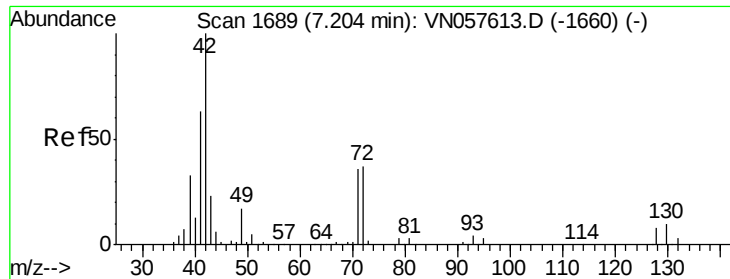
Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Tgt Ion:	49	Resp:	12355
Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	1.8
130	59.4	45.8	68.8





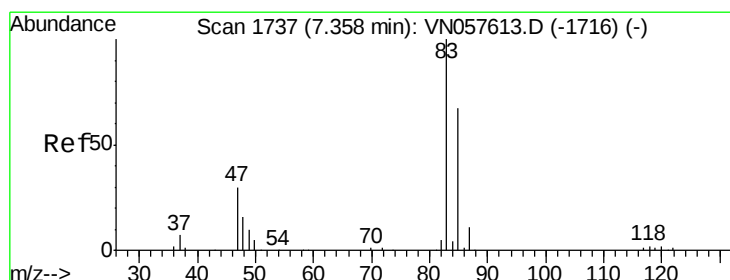
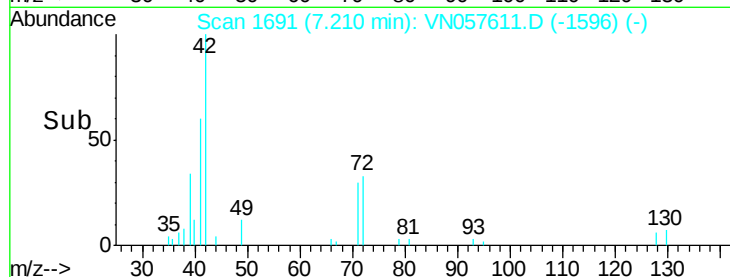
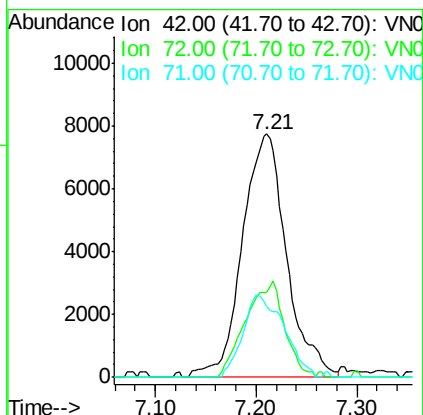
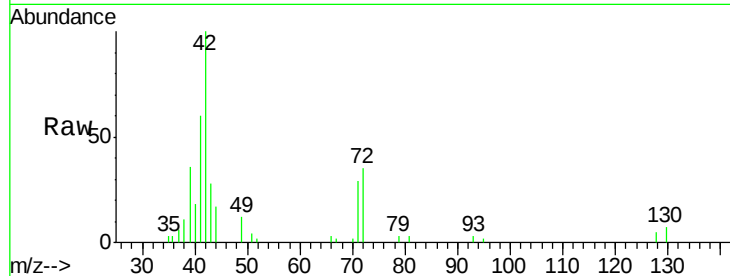
#29
Tetrahydrofuran
Concen: 21.983 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:	42	Resp:	23532
Ion	Ratio	Lower	Upper
42	100		
72	34.8	29.6	44.4
71	31.3	27.9	41.9

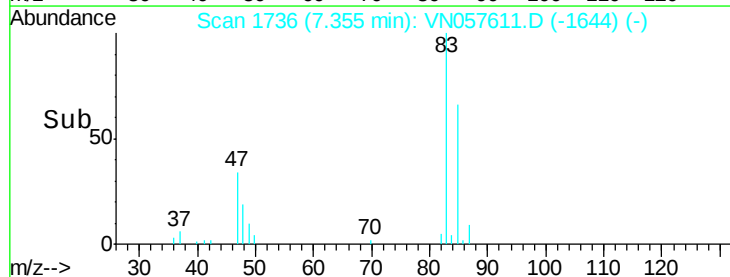
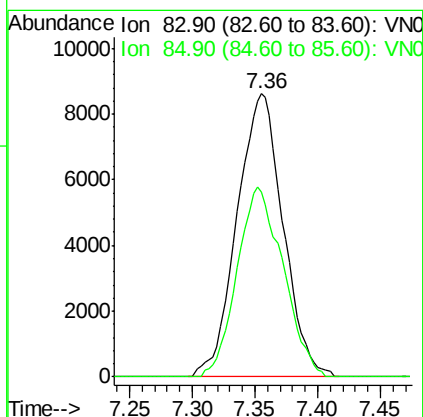
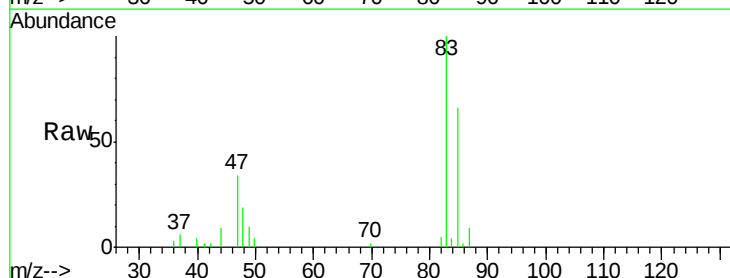
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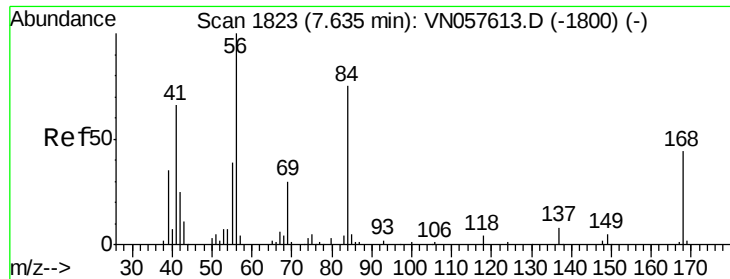
MMDadoda
9/3/2019 11:51:47 AM



#30
Chloroform
Concen: 4.469 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion:	83	Resp:	21987
Ion	Ratio	Lower	Upper
83	100		
85	65.5	53.2	79.8





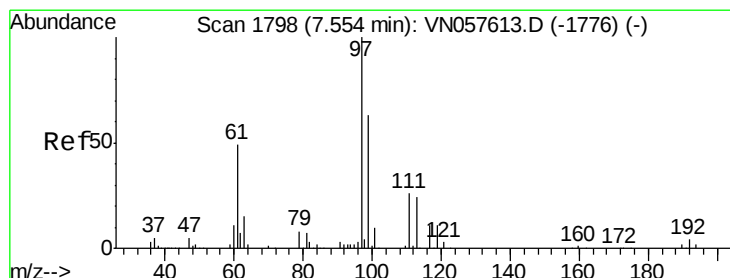
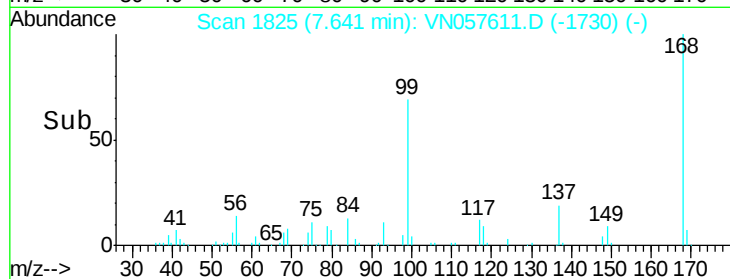
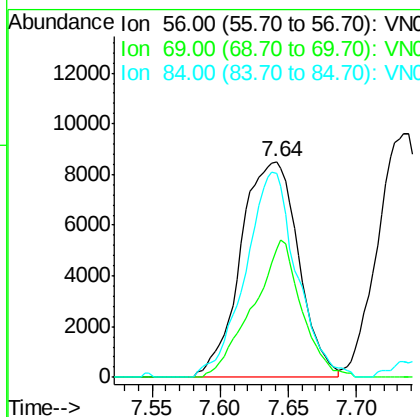
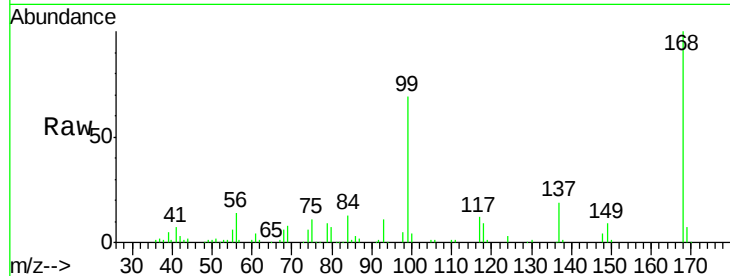
#31
Cyclohexane
Concen: 5.206 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	59.4	24.4	36.6#
84	94.4	59.9	89.9#

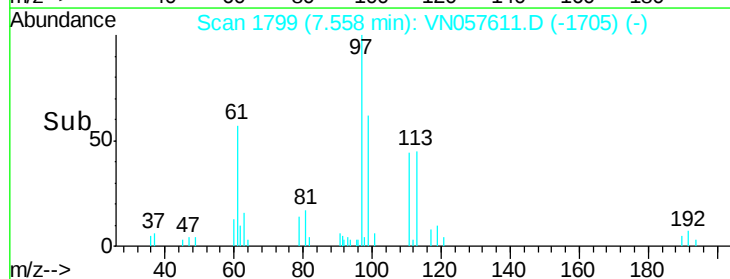
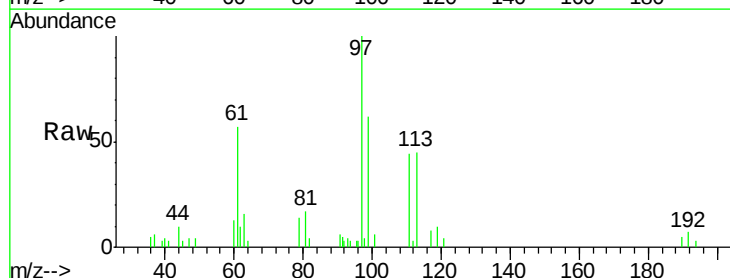
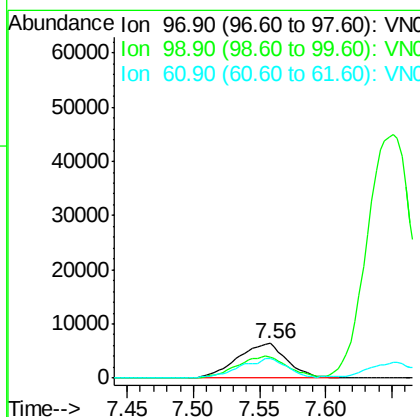
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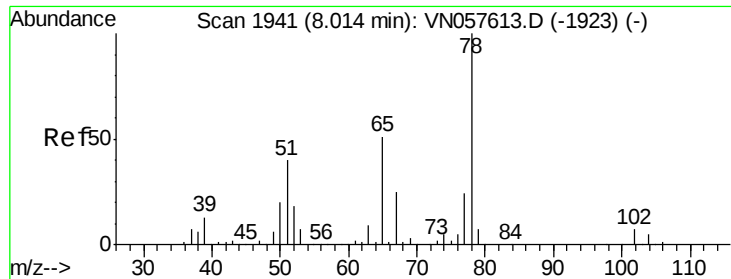
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#32
1,1,1-Trichloroethane
Concen: 4.124 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.6	75.8
61	54.0	41.1	61.7





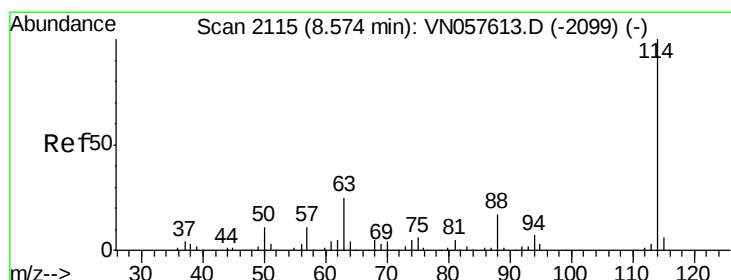
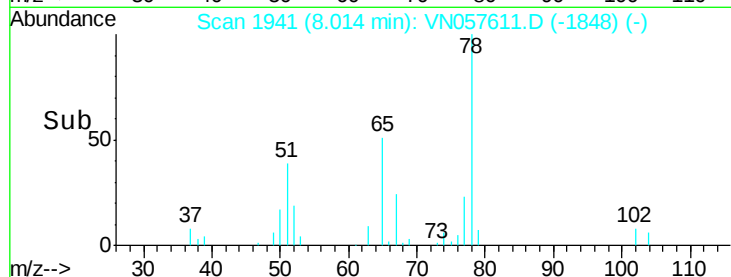
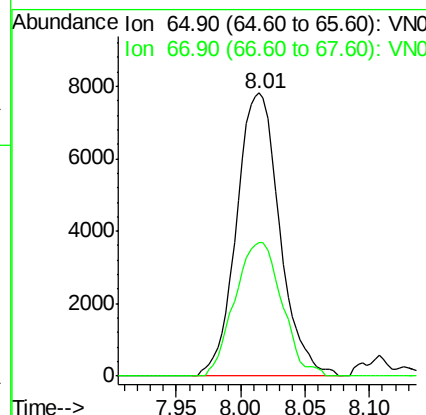
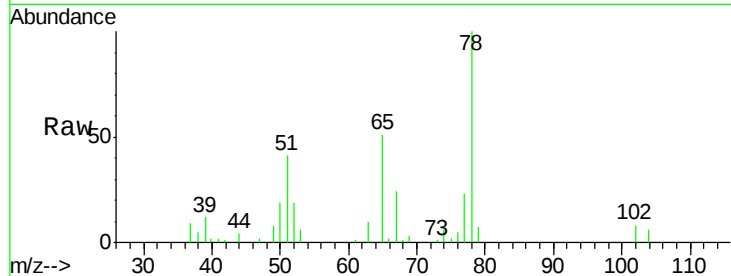
#33
 1,2-Dichloroethane-d4
 Concen: 4.977 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.2

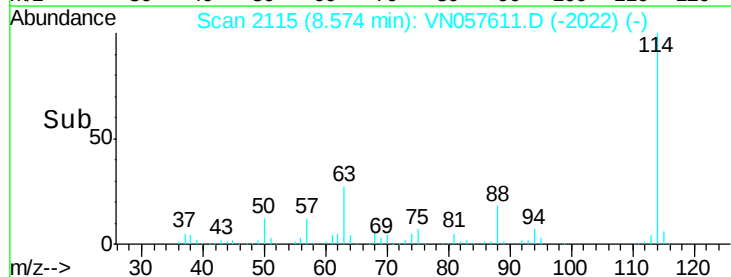
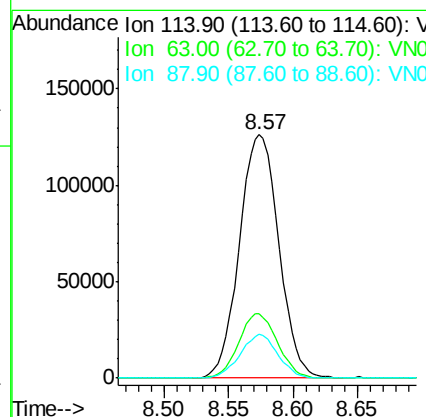
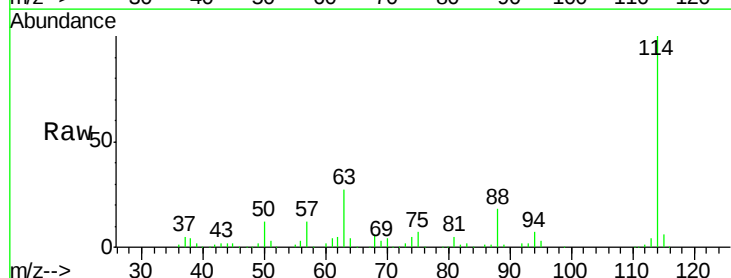
Manual Integrations
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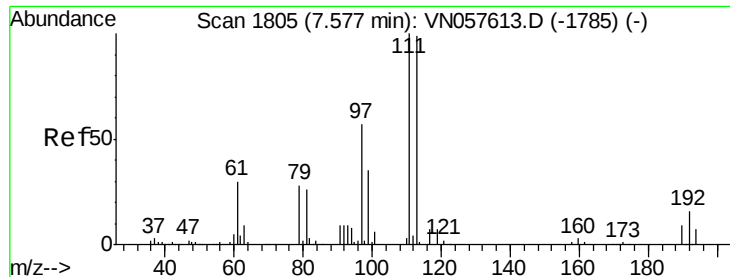
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.6	0.0	49.0
88	18.0	0.0	33.0





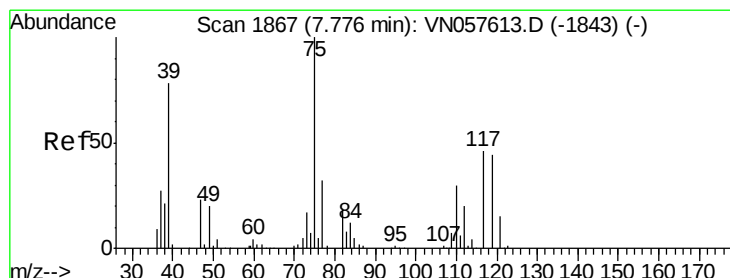
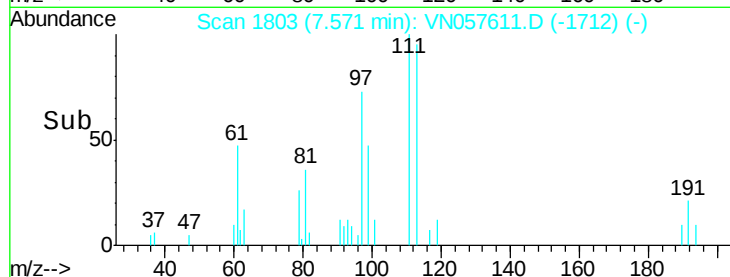
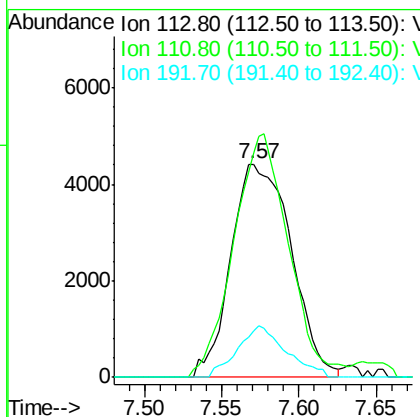
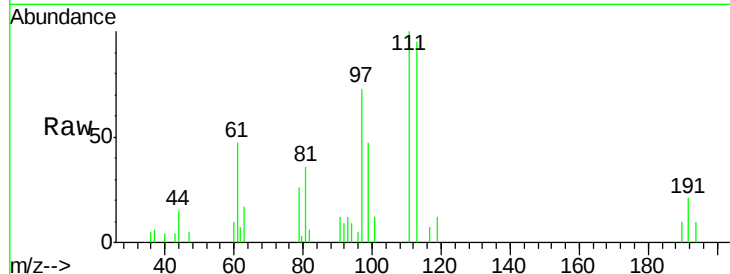
#35
 Dibromofluoromethane
 Concen: 5.126 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	11973		
111	104.0	81.3	121.9	
192	19.6	13.5	20.3	

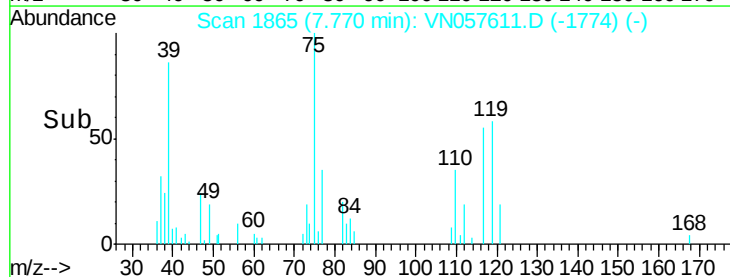
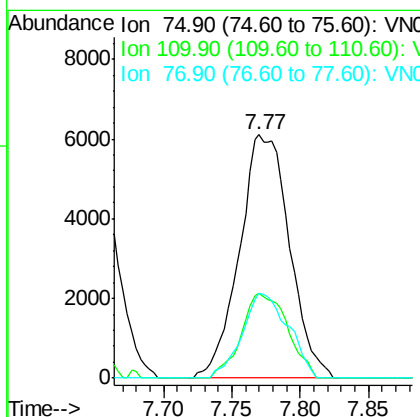
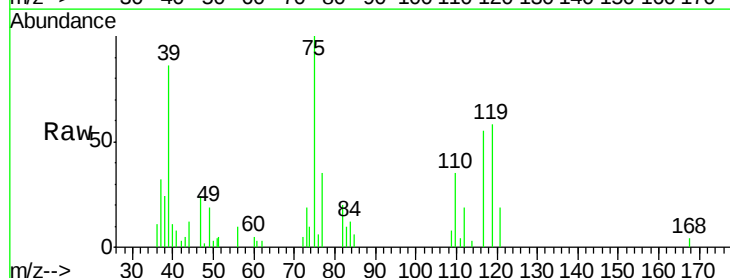
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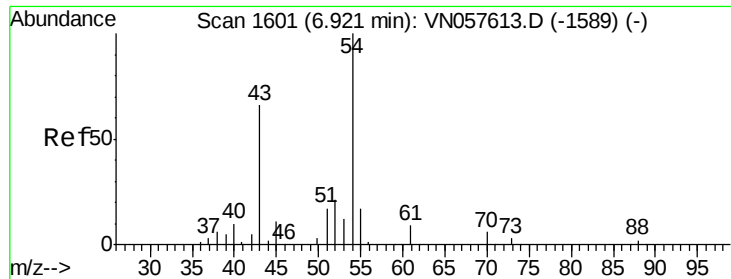
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#36
 1,1-Dichloropropene
 Concen: 4.357 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15526		
110	32.2	15.6	46.8	
77	32.2	24.9	37.3	





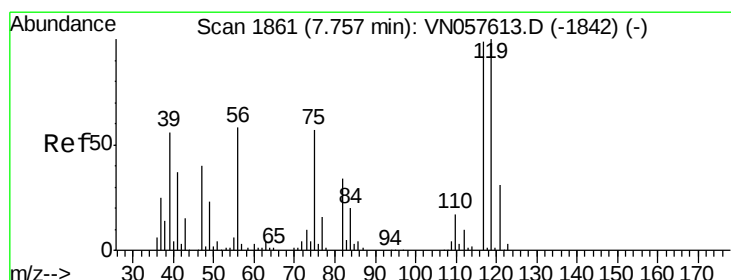
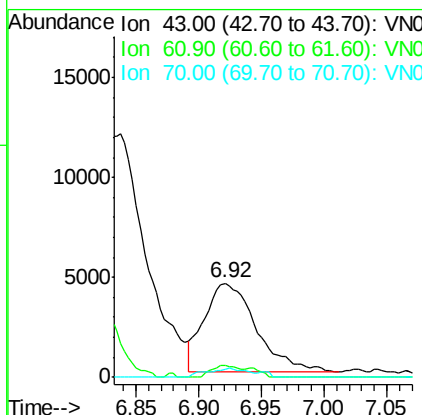
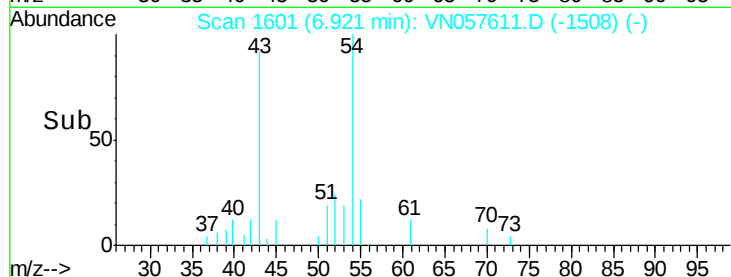
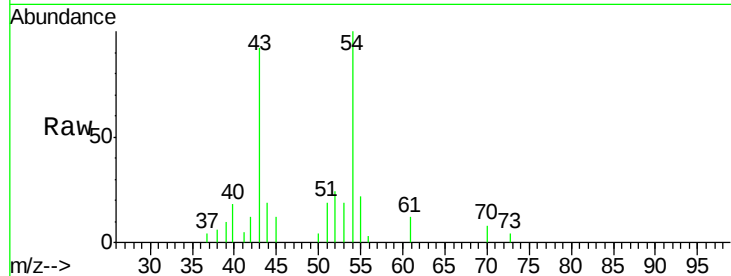
#37
Ethyl Acetate
Concen: 3.789 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	6.9	10.1	15.1#
70	6.1	6.8	10.2#

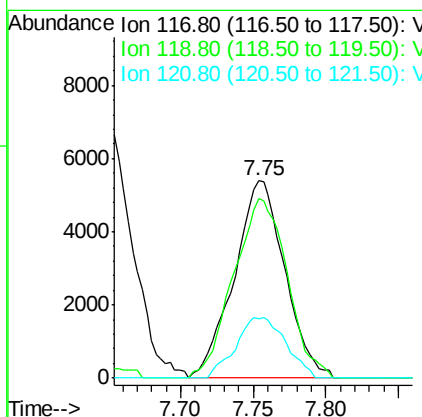
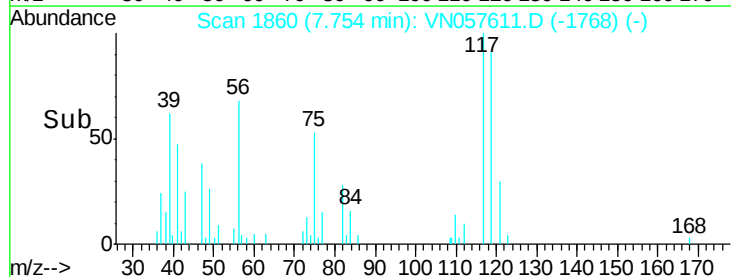
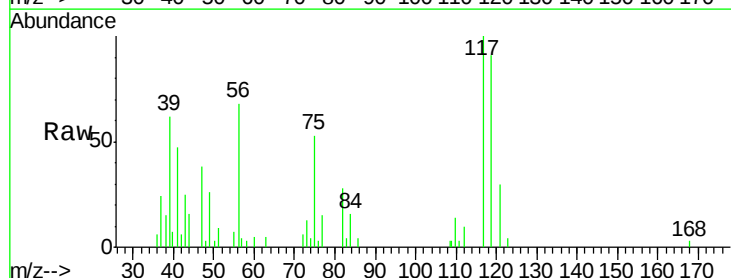
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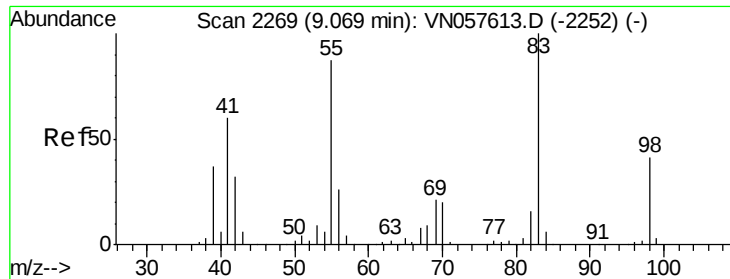
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#38
Carbon Tetrachloride
Concen: 4.118 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.0	80.6	120.8
121	30.3	25.1	37.7





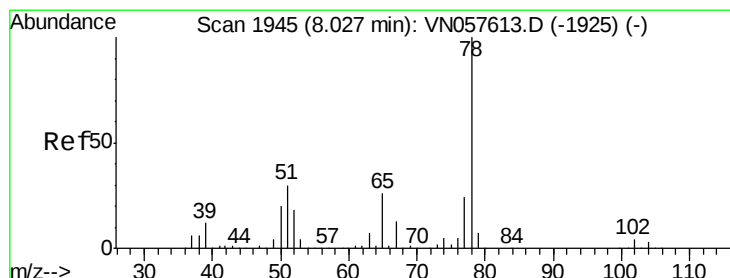
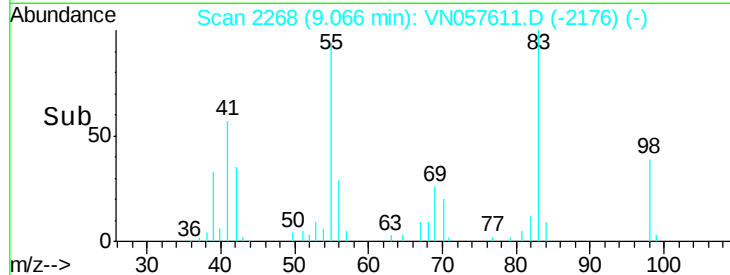
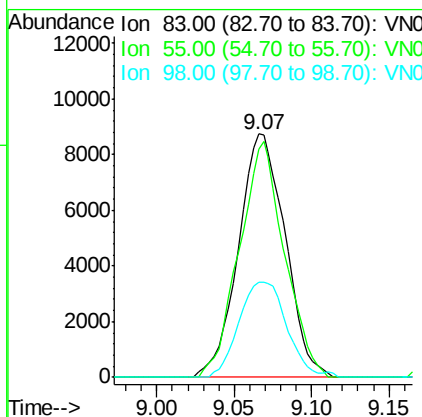
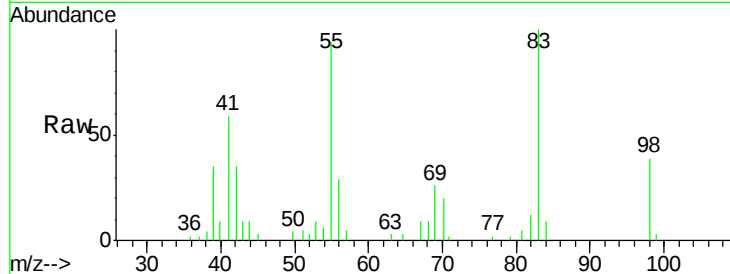
#39
Methvlcvclohexane
Concen: 4.357 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.9	69.8	104.8
98	39.2	32.7	49.1

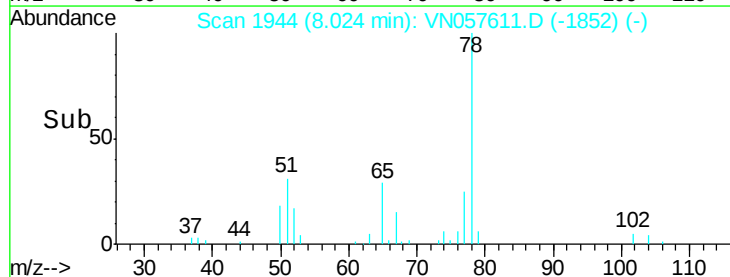
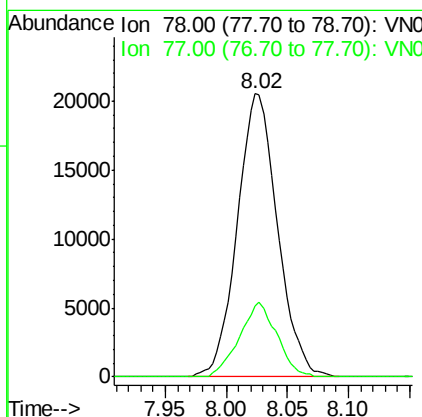
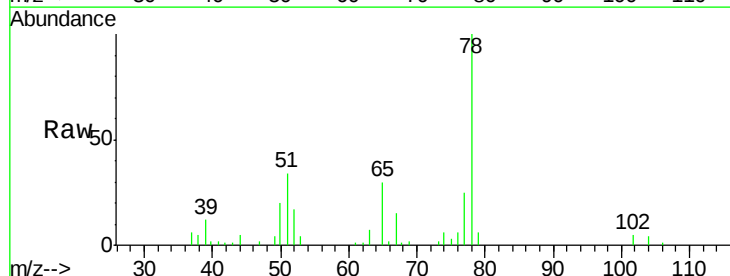
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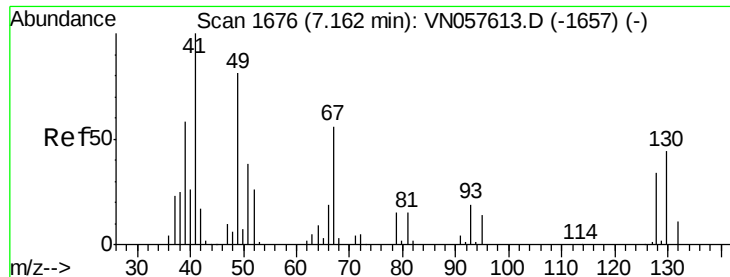
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#40
Benzene
Concen: 4.504 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.1	28.7





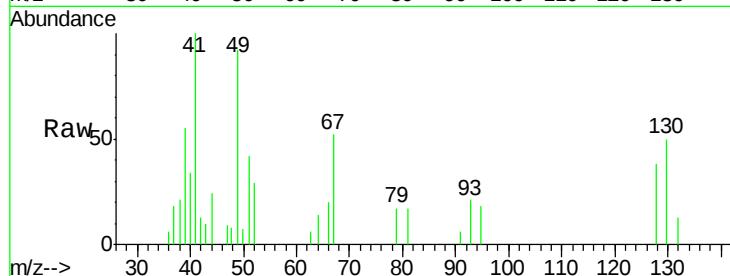
#41
Methacrylonitrile
Concen: 5.443 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleID :
VSTDIC005

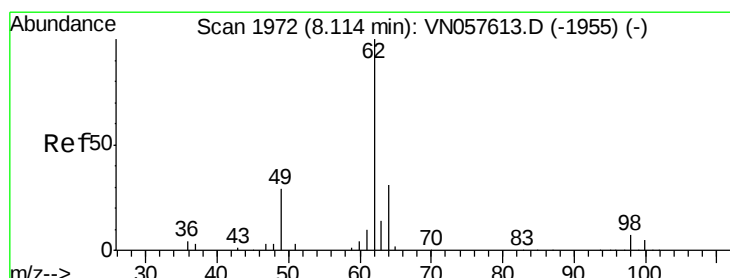
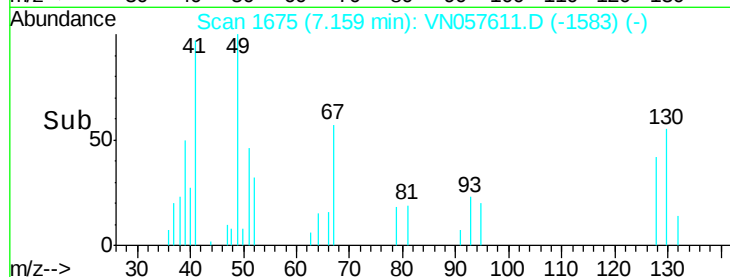
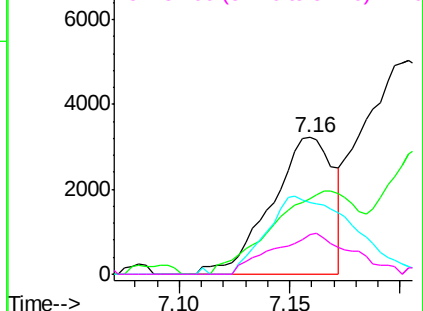
Tot Ion	Ratio	Lower	Upper
41	100		
39	84.1	50.6	75.8#
67	80.5	56.9	85.3
52	37.9	27.4	41.2

Manual Integrations
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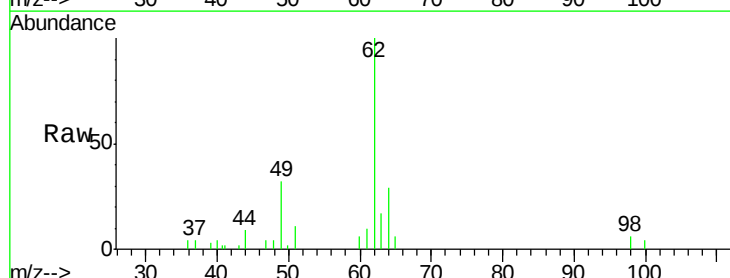


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

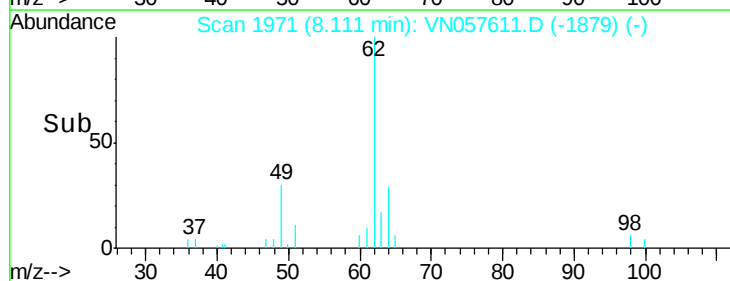
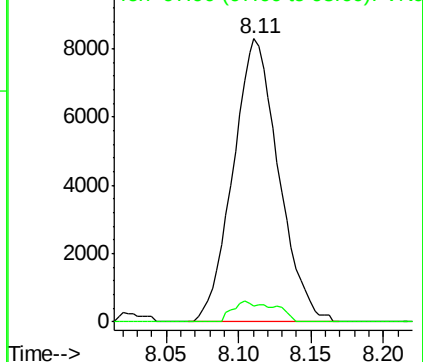


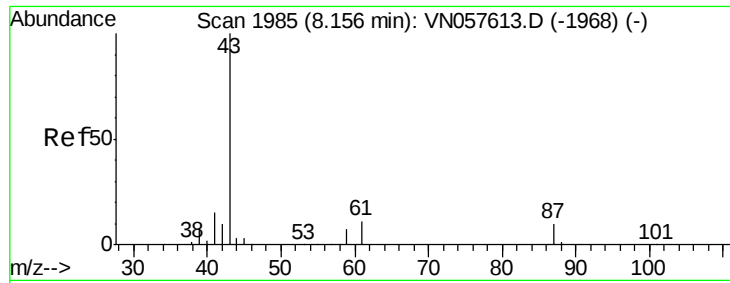
#42
1,2-Dichloroethane
Concen: 4.298 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	14.0



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 3.941 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

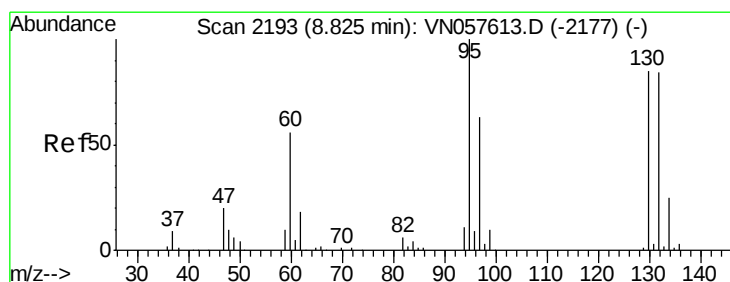
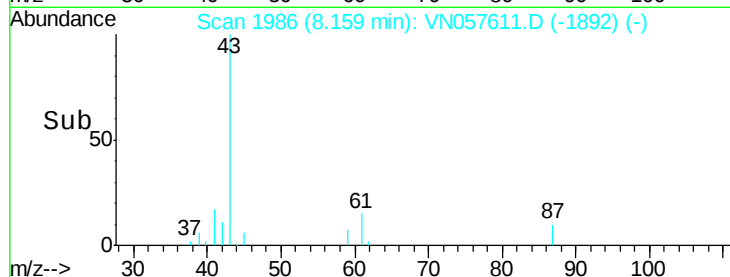
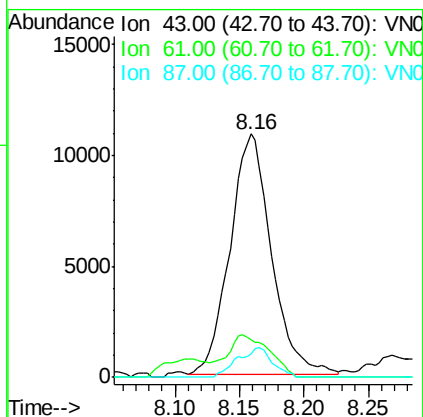
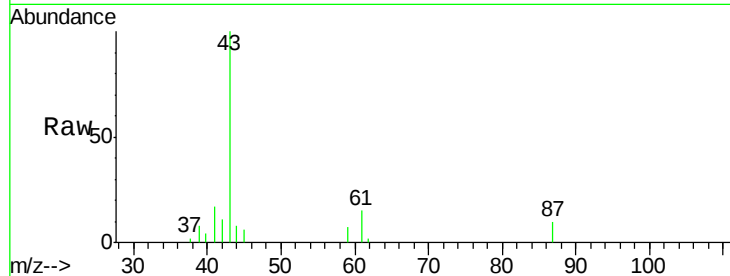
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	24068
Ion	Ratio	Lower	Upper
43	100		
61	17.8	13.1	19.7
87	10.5	8.1	12.1

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#44

Trichloroethene

Concen: 4.683 ug/l

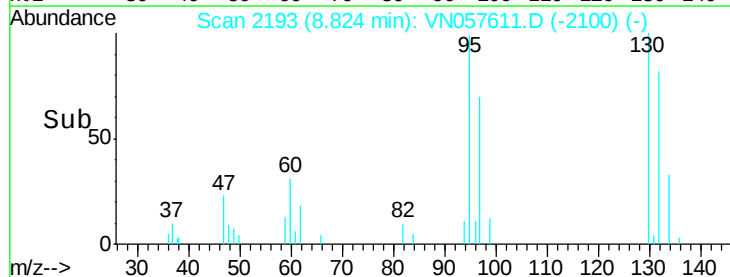
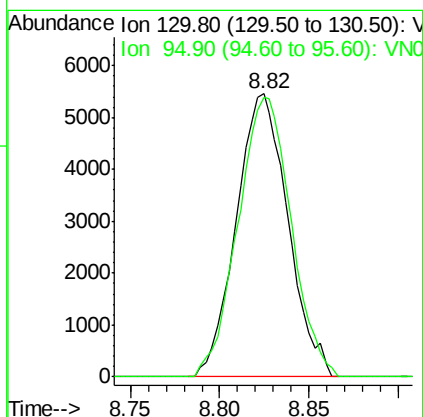
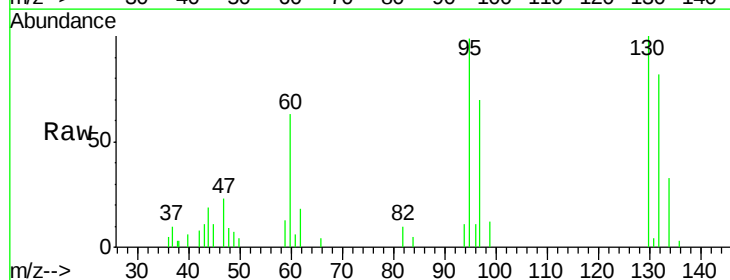
RT: 8.82 min Scan# 2193

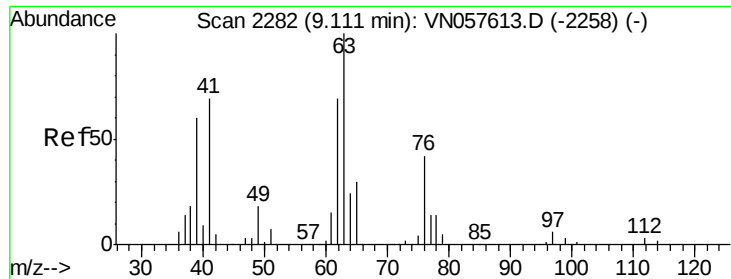
Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Tgt Ion:	130	Resp:	11020
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	234.4





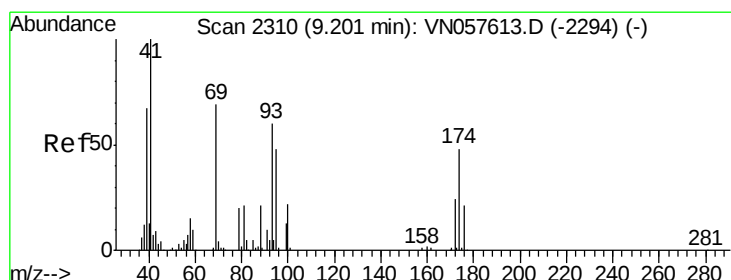
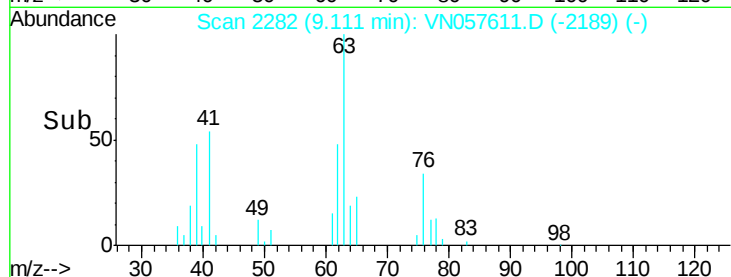
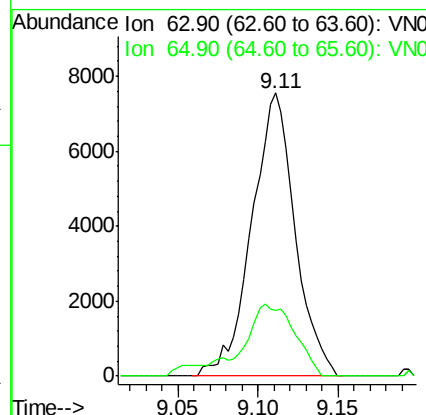
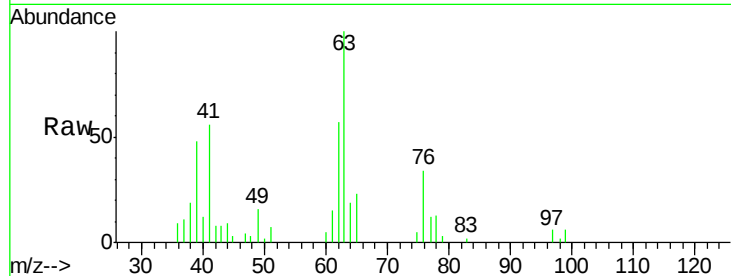
#45
 1,2-Dichloropropane
 Concen: 4.843 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 13994
 Ion Ratio Lower Upper
 63 100
 65 23.4 24.4 36.6#

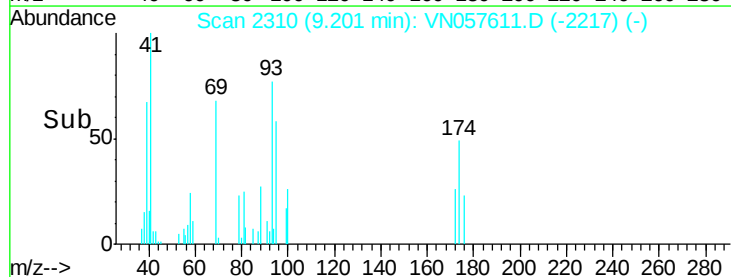
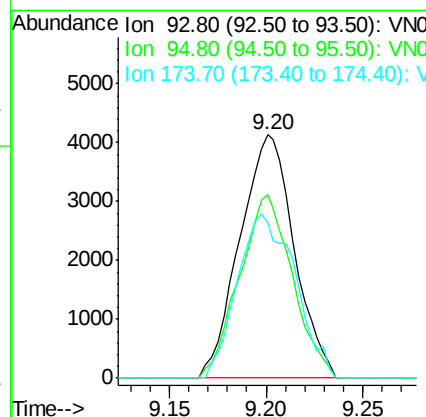
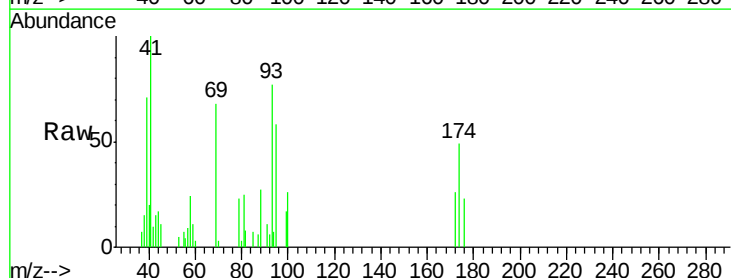
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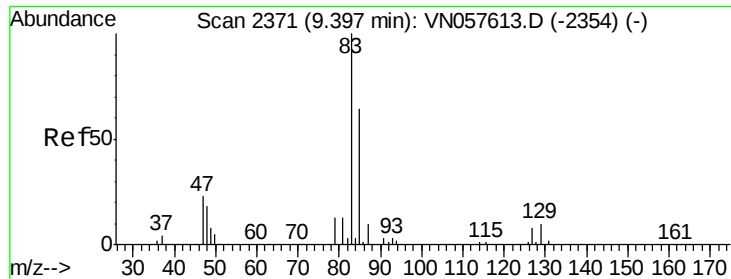
MMDadoda
 9/3/2019 11:51:47 AM



#46
 Dibromomethane
 Concen: 4.502 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Tgt Ion: 93 Resp: 8054
 Ion Ratio Lower Upper
 93 100
 95 73.7 65.8 98.6
 174 71.8 64.2 96.2





#47

Bromodichloromethane

Concen: 3.802 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

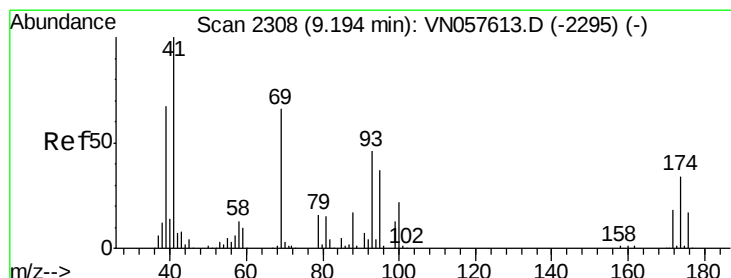
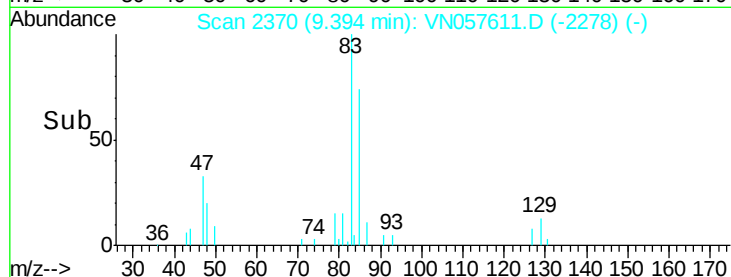
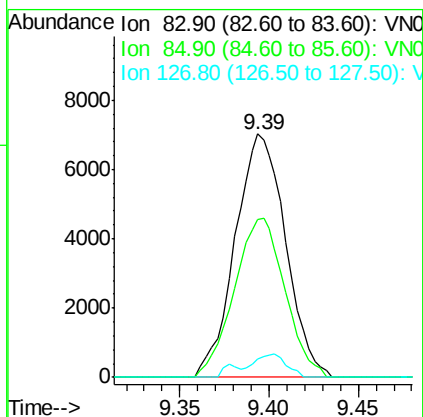
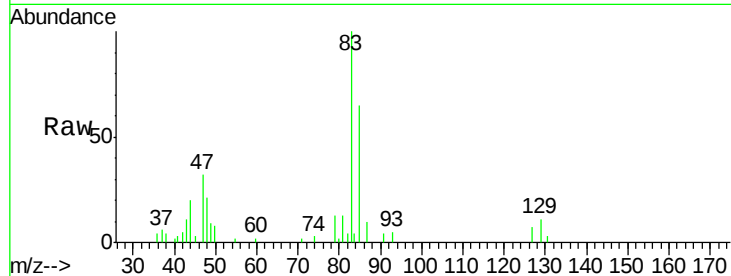
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	13819
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.0
127	7.5	6.1	9.1

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 4.199 ug/l

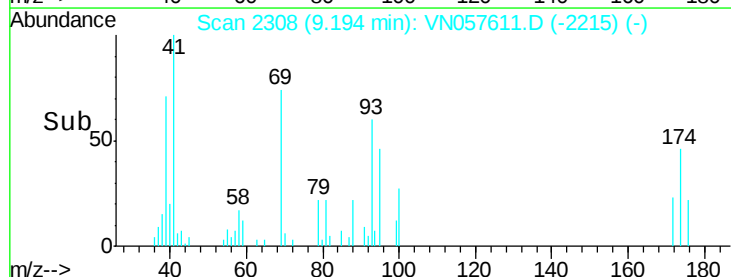
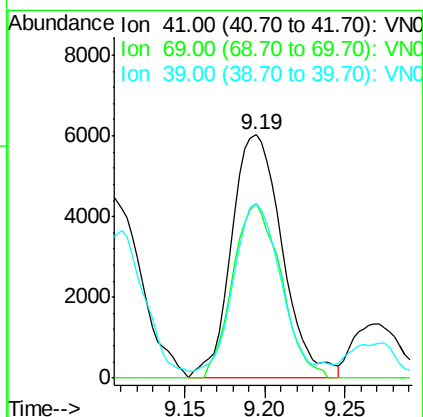
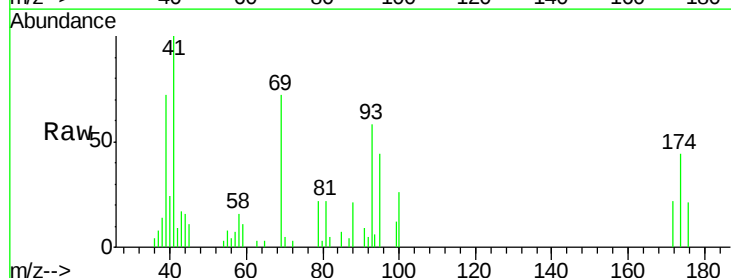
RT: 9.19 min Scan# 2308

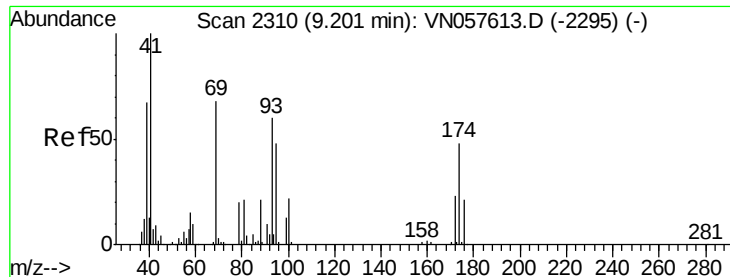
Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Tgt Ion:	41	Resp:	13093
Ion	Ratio	Lower	Upper
41	100		
69	67.9	55.1	82.7
39	63.0	55.4	83.2





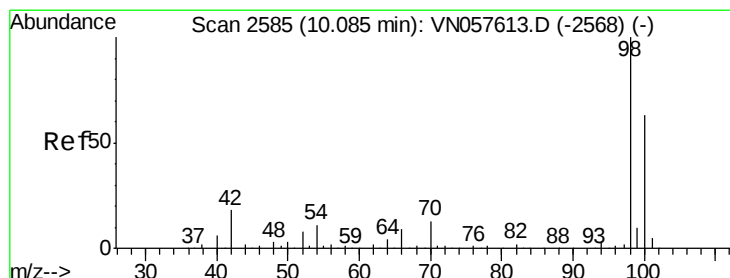
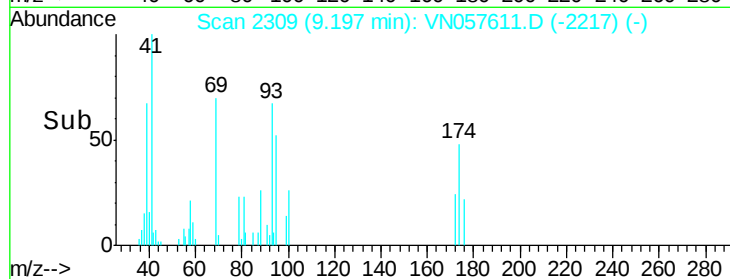
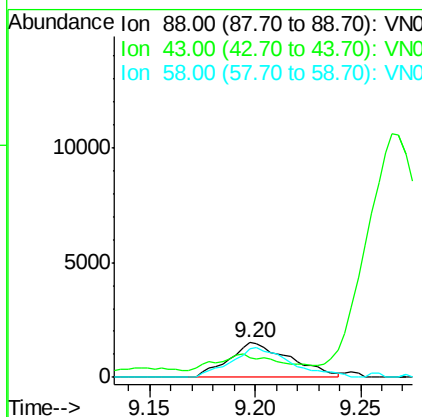
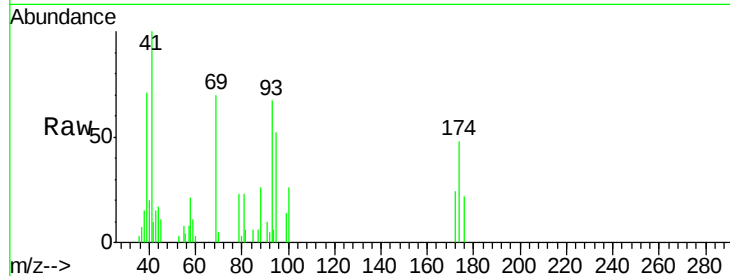
#49
1,4-Dioxane
Concen: 83.804 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.9	35.0	52.4
58	84.1	61.6	92.4

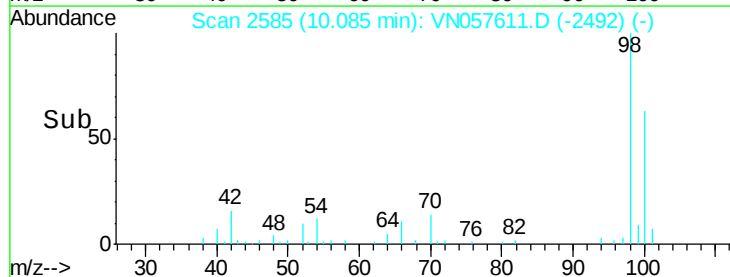
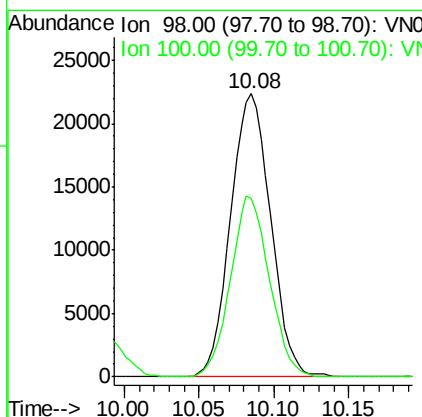
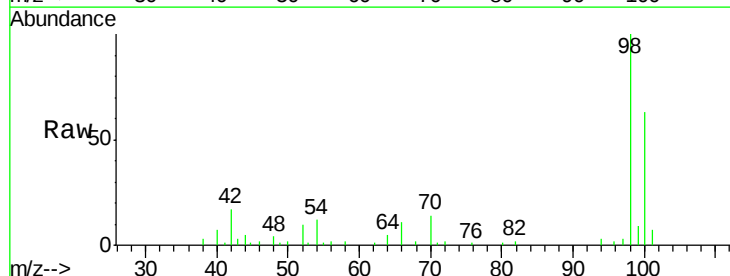
Manual Integrations
APPROVED

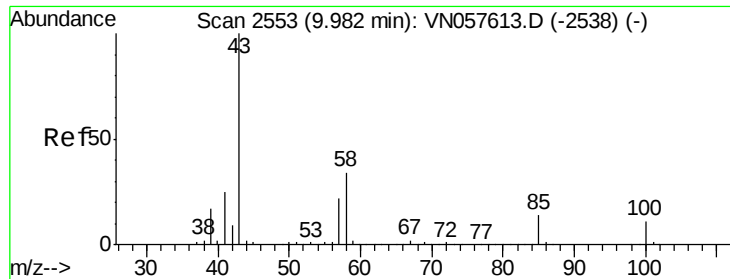
MMDadoda
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#50
Toluene-d8
Concen: 4.543 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.8	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 19.980 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 69939

Ion Ratio Lower Upper

43 100

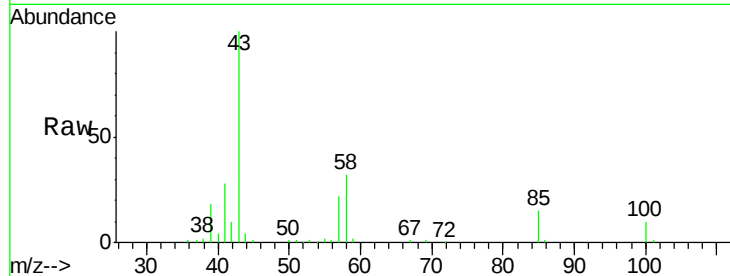
58 33.9 26.9 40.3

Manual Integrations

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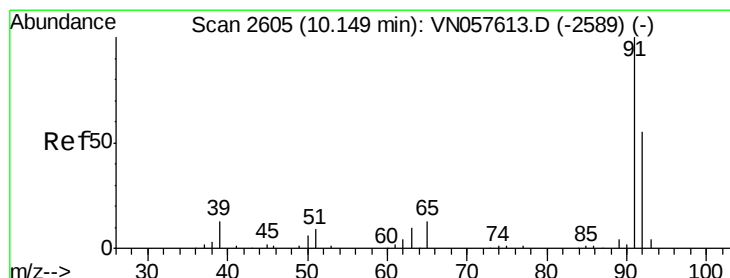
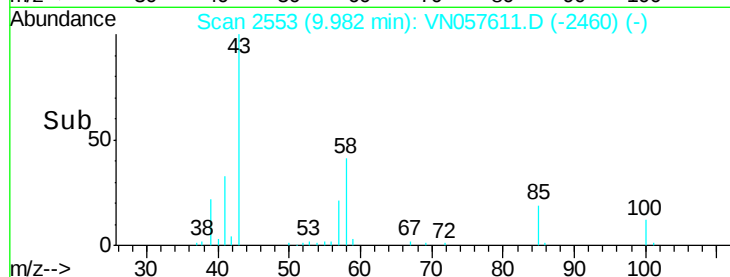
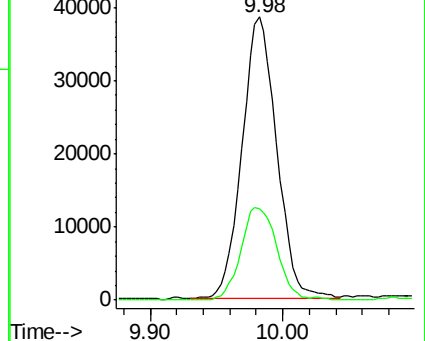
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 4.220 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057611.D

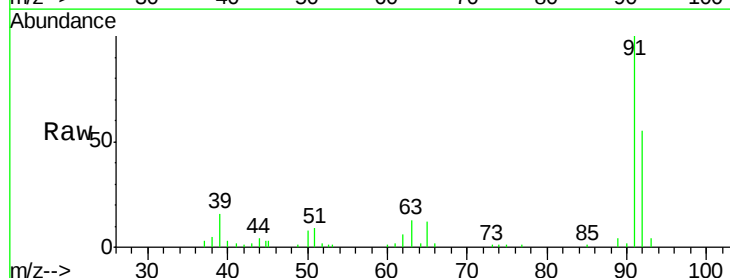
Acq: 31 Aug 2019 13:10

Tgt Ion: 92 Resp: 25871

Ion Ratio Lower Upper

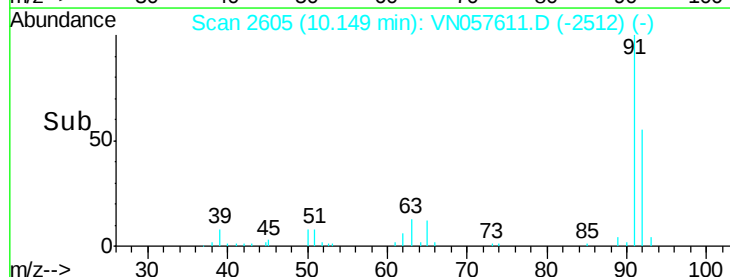
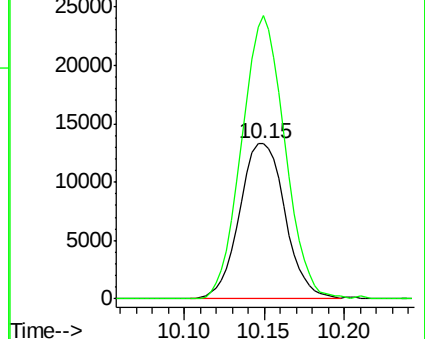
92 100

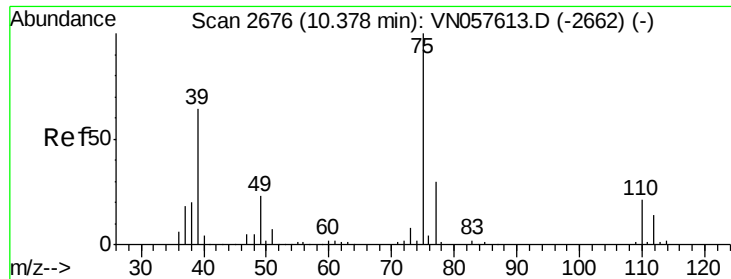
91 172.3 143.8 215.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





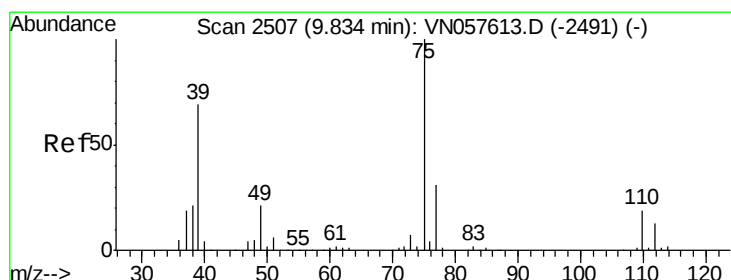
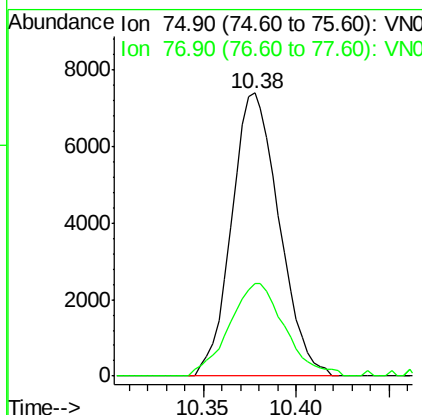
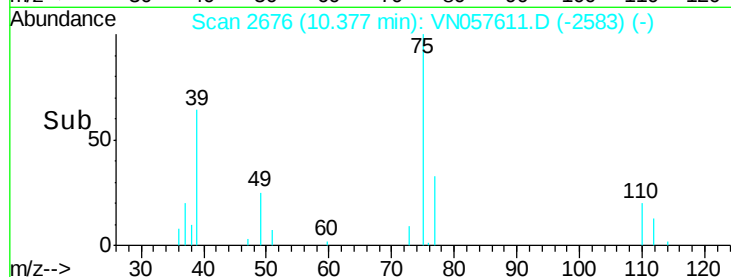
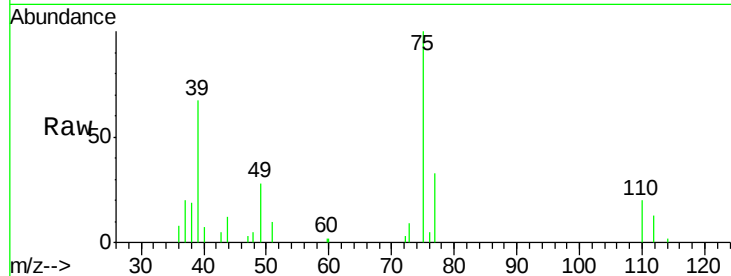
#53
t-1,3-Dichloropropene
Concen: 6.251 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 13152
Ion Ratio Lower Upper
75 100
77 32.6 24.1 36.1

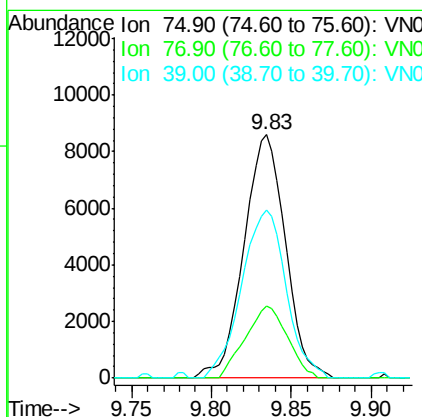
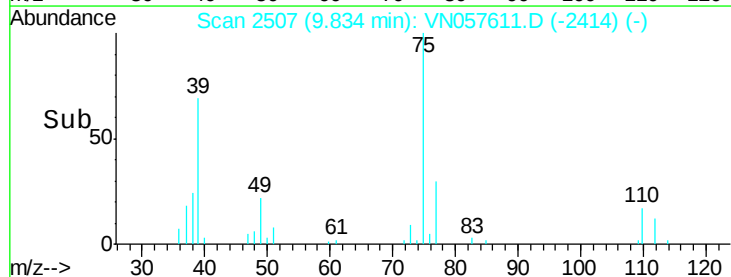
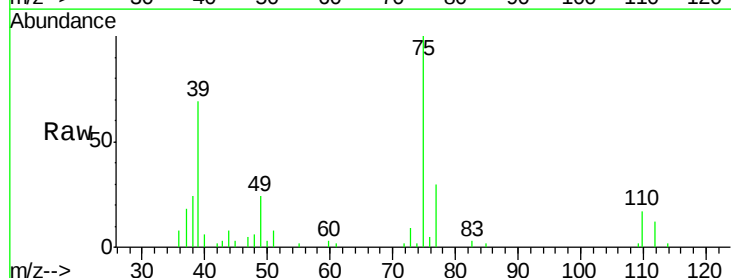
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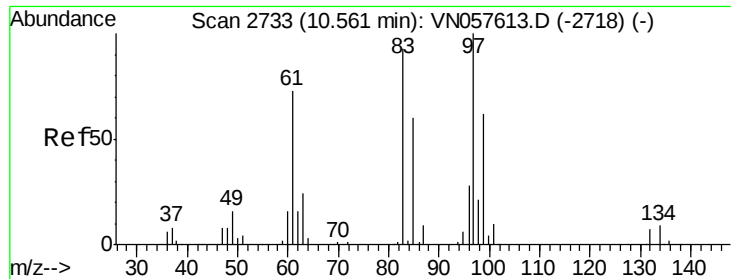
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#54
cis-1,3-Dichloropropene
Concen: 5.113 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion: 75 Resp: 15275
Ion Ratio Lower Upper
75 100
77 29.6 24.8 37.2
39 65.9 55.0 82.4





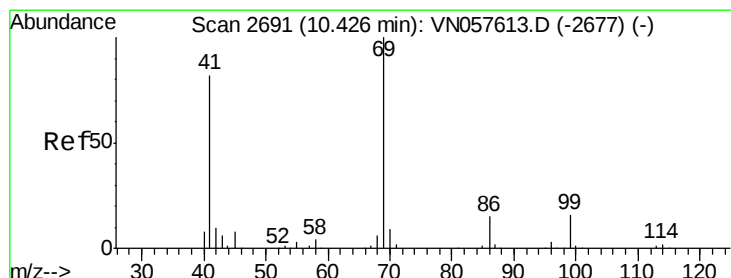
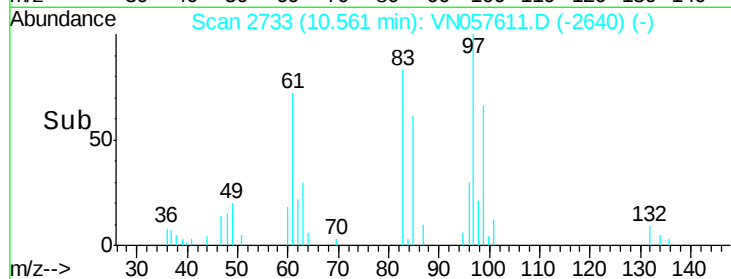
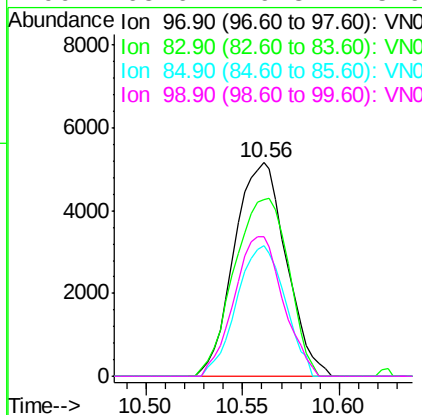
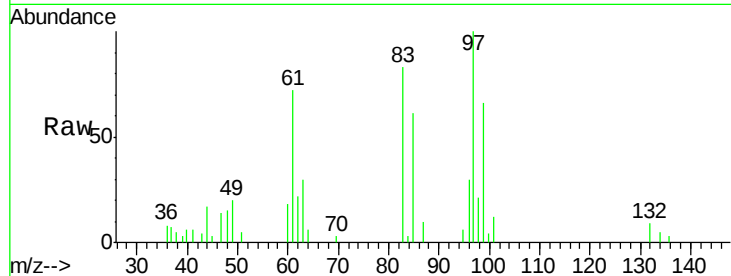
#55
 1,1,2-Trichloroethane
 Concen: 4.157 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	9671
Ion	Ratio	Lower	Upper
97	100		
83	82.9	74.2	111.2
85	61.0	47.8	71.8
99	65.6	49.3	73.9

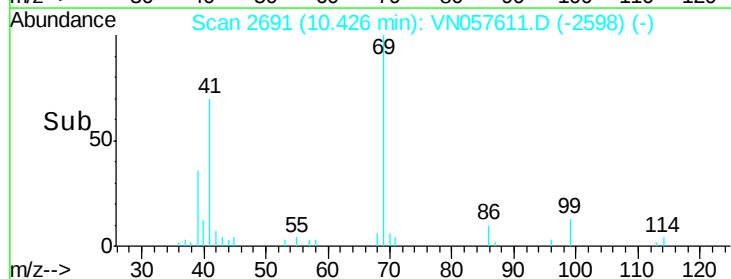
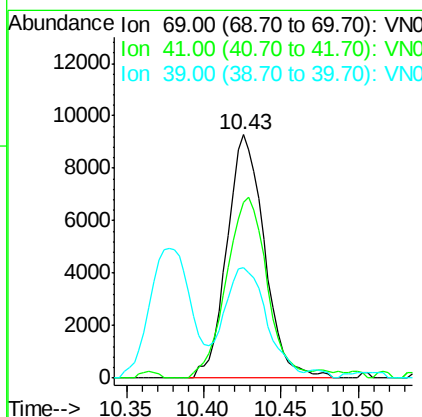
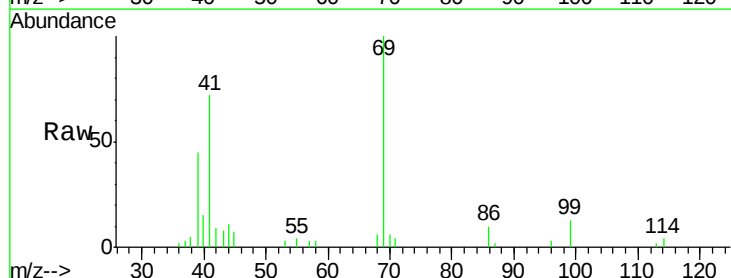
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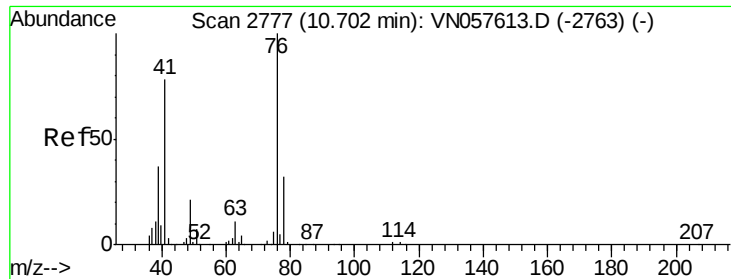
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 9/3/2019 11:51:47 AM



#56
 Ethyl methacrylate
 Concen: 4.017 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Tgt Ion:	69	Resp:	15596
Ion	Ratio	Lower	Upper
69	100		
41	80.7	65.8	98.6
39	51.8	43.8	65.8





#57

1,3-Dichloropropane

Concen: 4.202 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tot Ion: 76 Resp: 17935

Ion Ratio Lower Upper

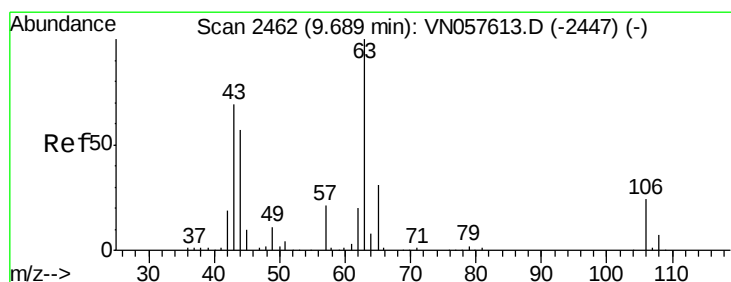
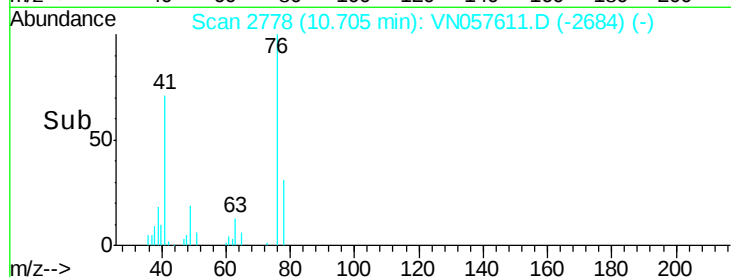
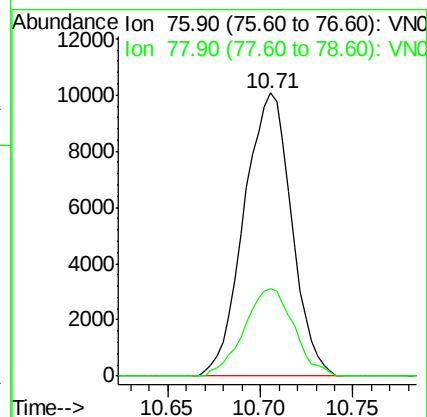
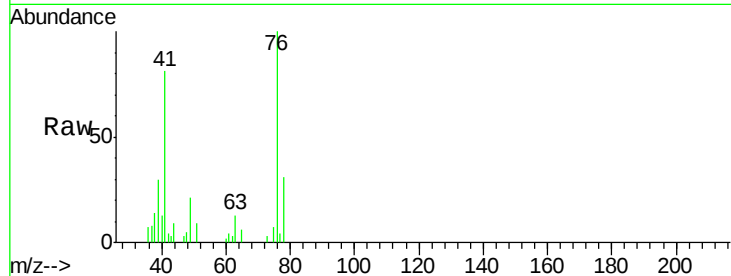
76 100

78 32.4 25.4 38.2

Manual Integrations
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MMDadoda

9/3/2019 11:51:47 AM



#58

2-Chloroethyl Vinyl ether

Concen: 19.704 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057611.D

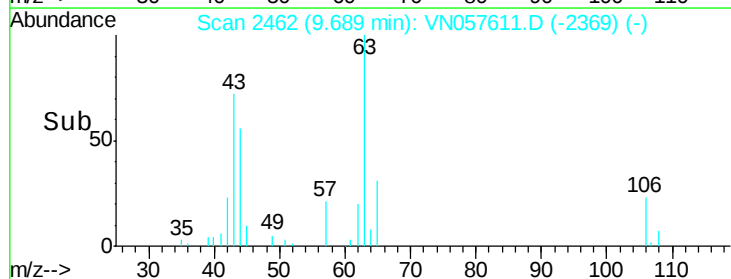
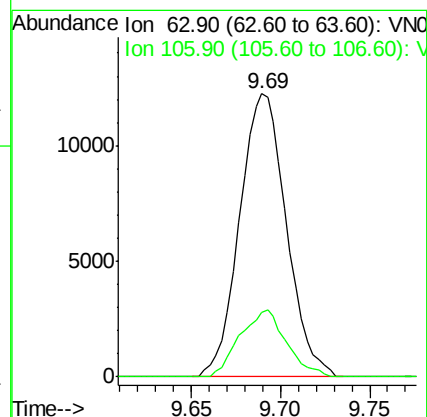
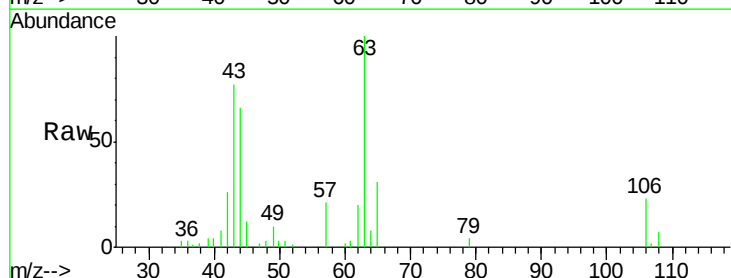
Acq: 31 Aug 2019 13:10

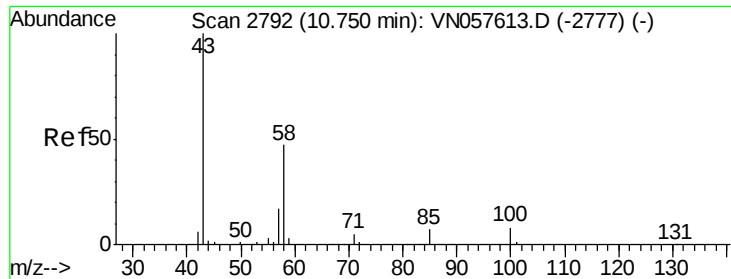
Tgt Ion: 63 Resp: 22379

Ion Ratio Lower Upper

63 100

106 23.5 18.3 27.5





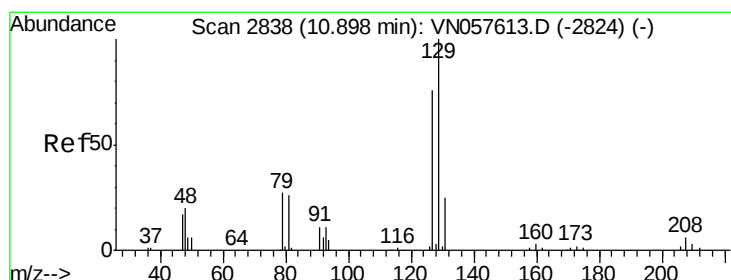
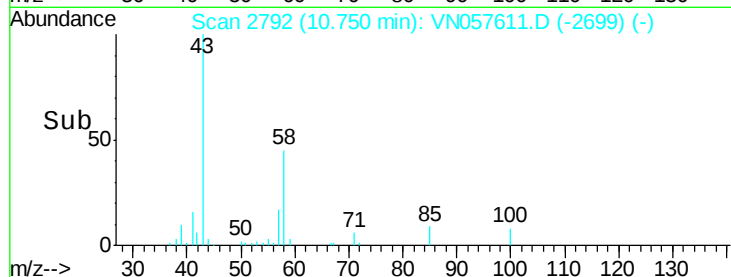
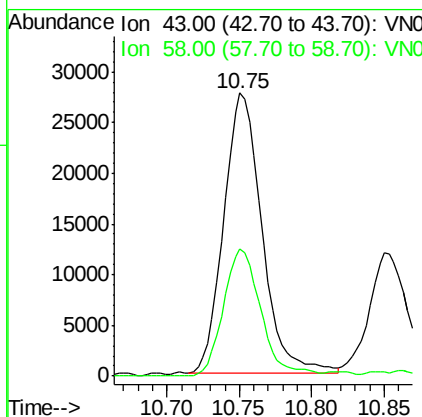
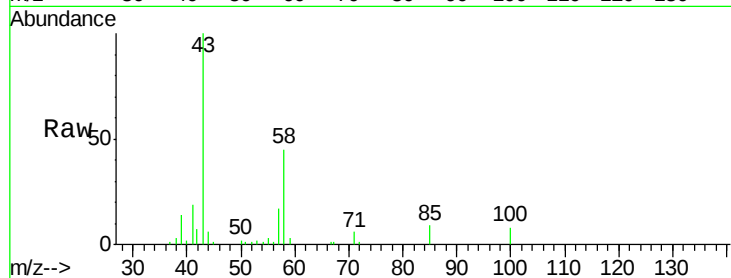
#59
2-Hexanone
Concen: 19.623 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 50443
Ion Ratio Lower Upper
43 100
58 44.5 23.5 70.5

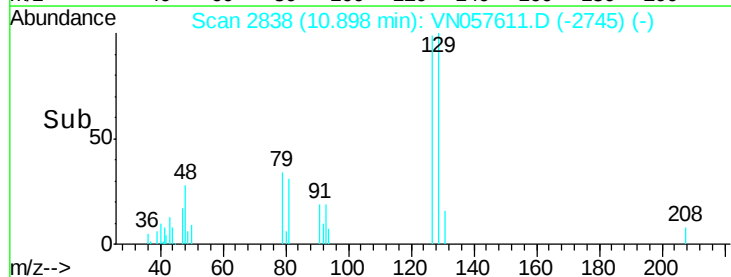
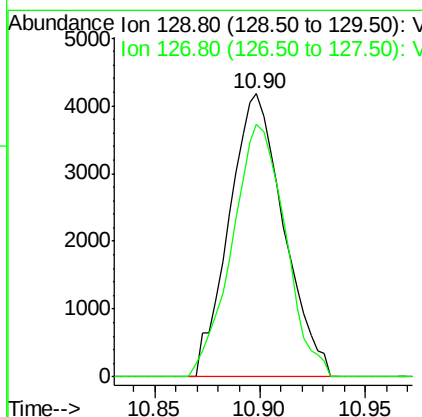
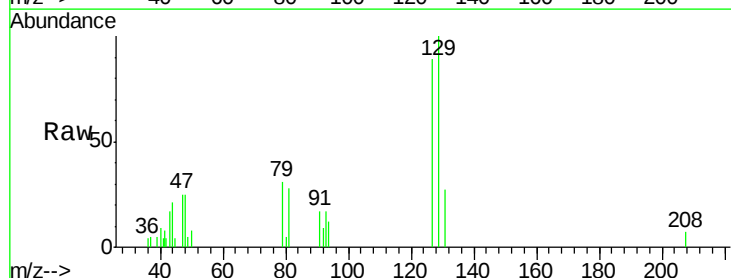
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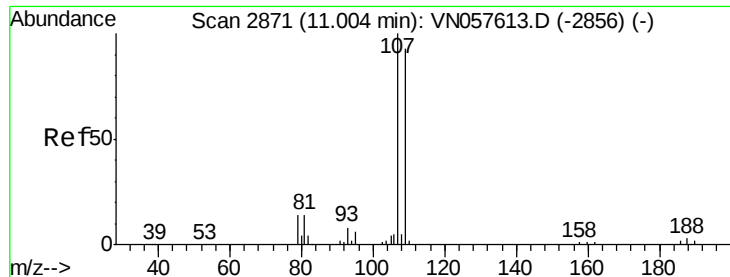
MMDadoda
9/3/2019 11:51:47 AM



#60
Dibromochloromethane
Concen: 6.276 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion: 129 Resp: 7495
Ion Ratio Lower Upper
129 100
127 87.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 4.019 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 9413

Ion Ratio Lower Upper

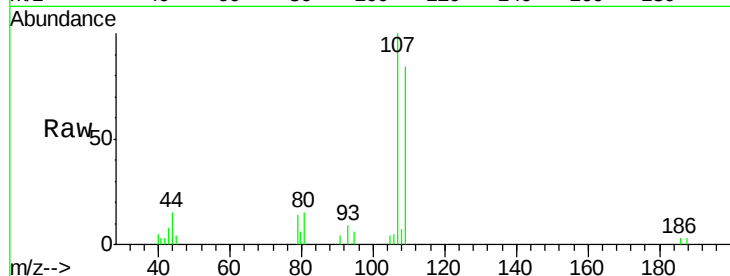
107 100

109 87.7 75.0 112.4

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

6000

5000

4000

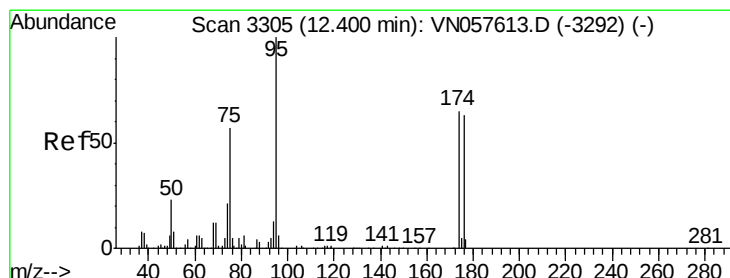
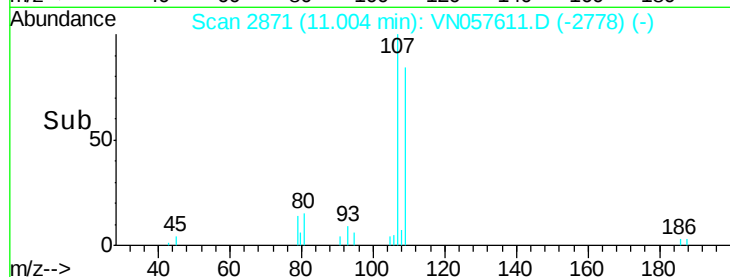
3000

2000

1000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 4.962 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

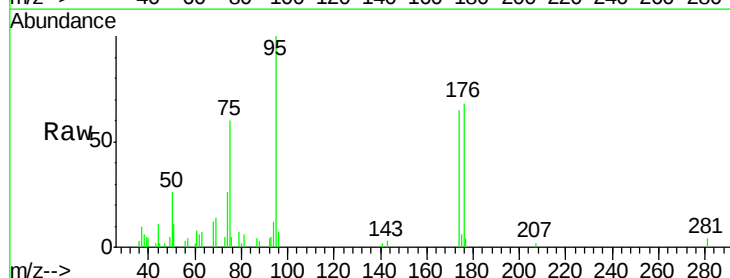
Tgt Ion: 95 Resp: 17030

Ion Ratio Lower Upper

95 100

174 68.3 0.0 134.8

176 71.1 0.0 131.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

12000

10000

8000

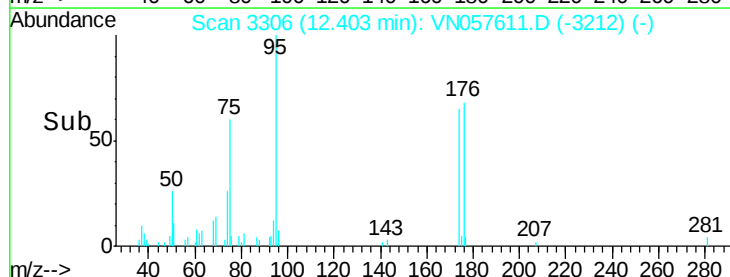
6000

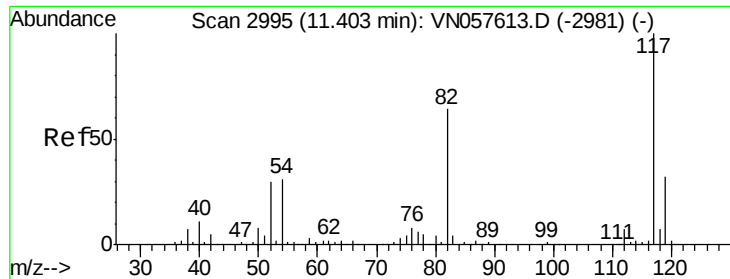
4000

2000

0

Time-->





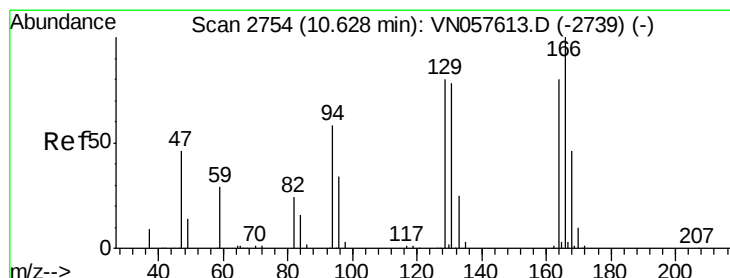
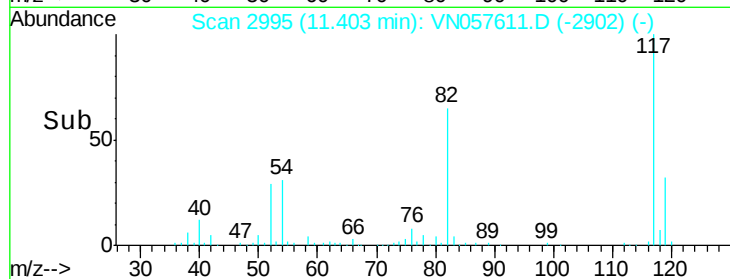
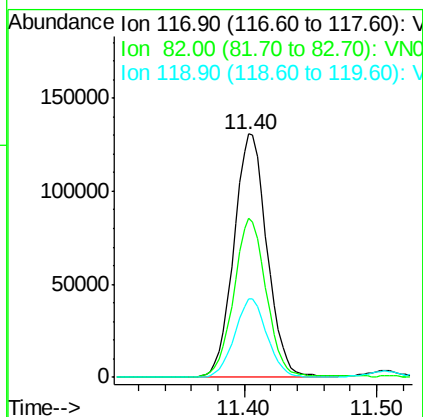
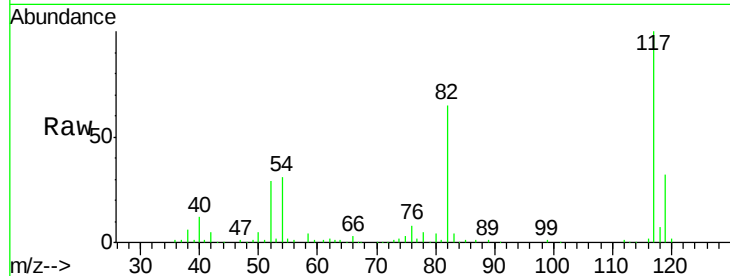
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.4	51.6	77.4
119	32.1	25.8	38.6

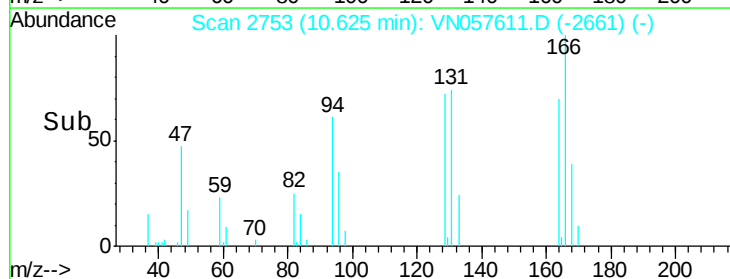
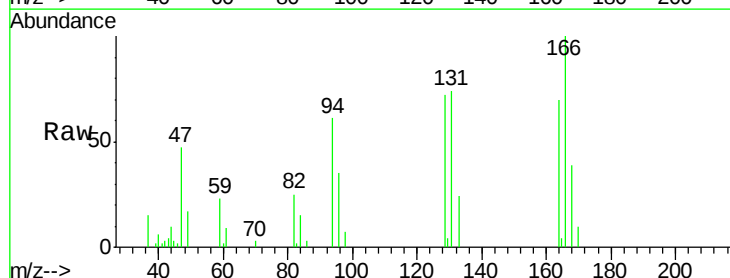
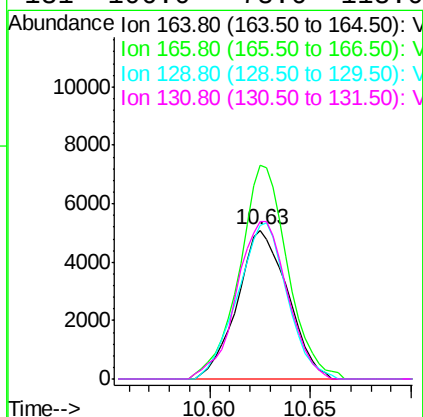
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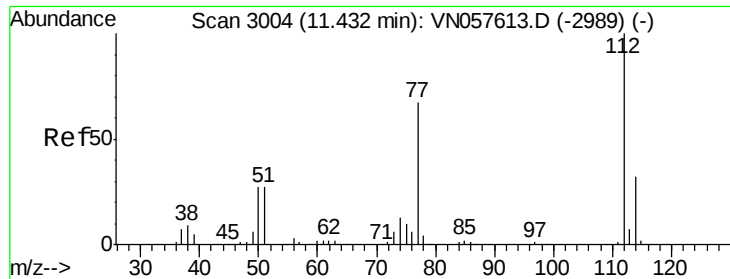
MMDadoda
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#64
Tetrachloroethene
Concen: 4.530 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	143.4	100.6	151.0
129	103.5	80.4	120.6
131	106.0	78.6	118.0





#65

Chlorobenzene

Concen: 4.406 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 25100

Ion Ratio Lower Upper

112 100

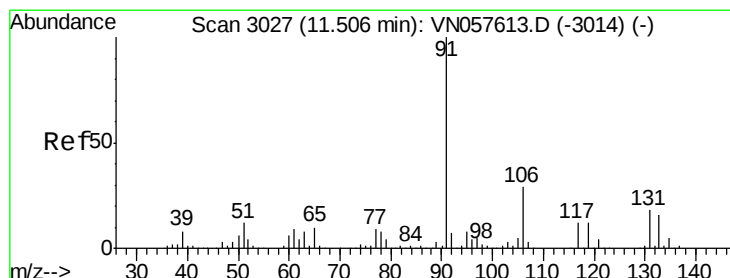
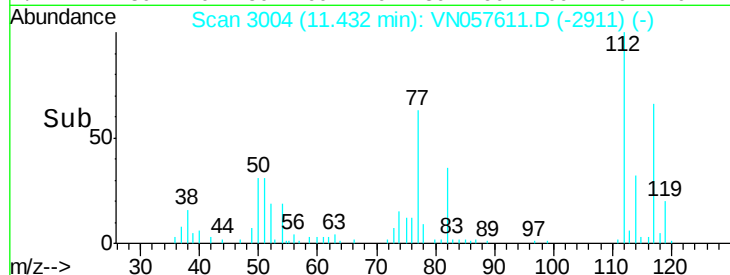
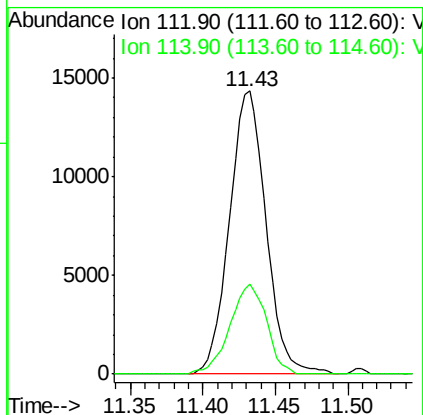
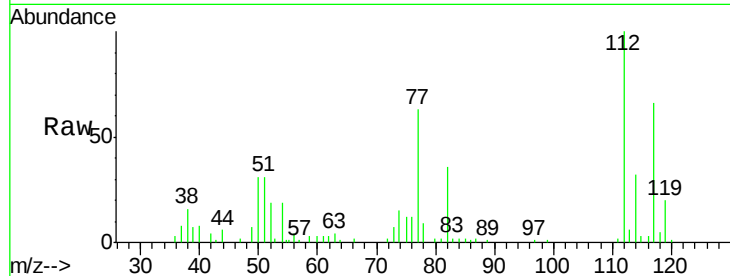
114 31.8 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 4.167 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

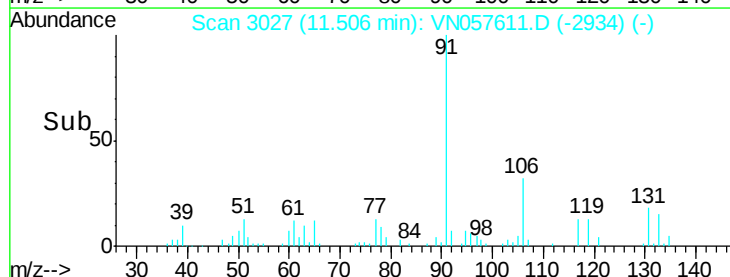
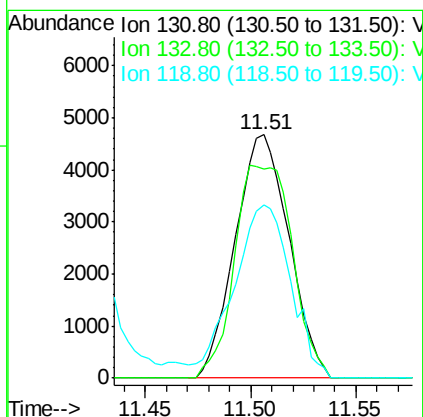
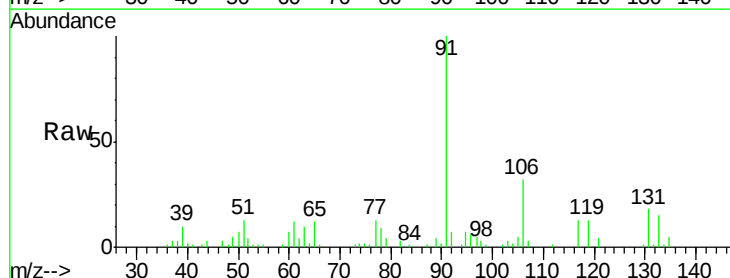
Tgt Ion:131 Resp: 8280

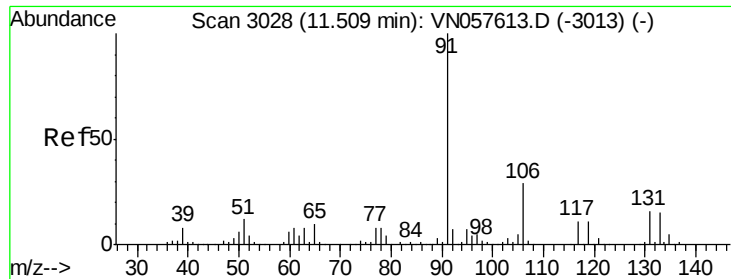
Ion Ratio Lower Upper

131 100

133 93.9 47.8 143.4

119 75.6 33.9 101.6





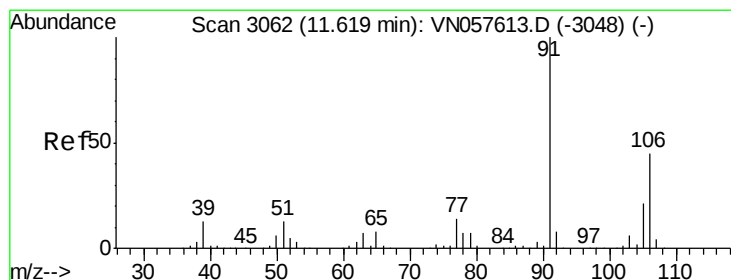
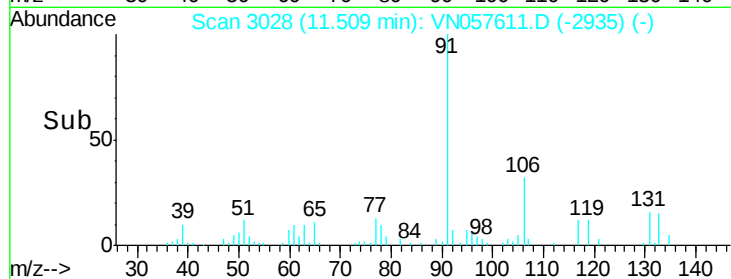
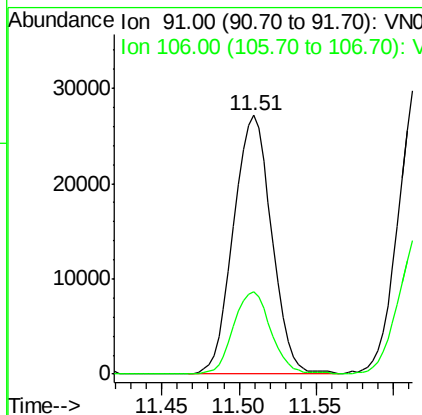
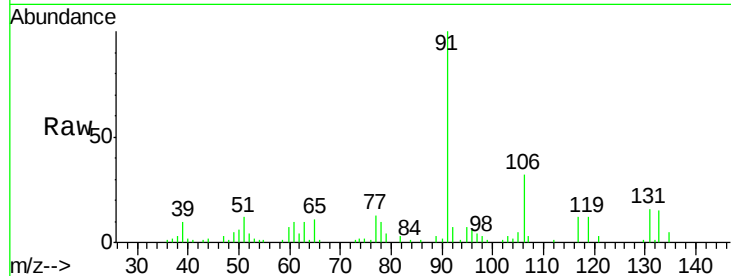
#67
Ethyl Benzene
Concen: 4.213 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 46637
Ion Ratio Lower Upper
91 100
106 31.9 22.9 34.3

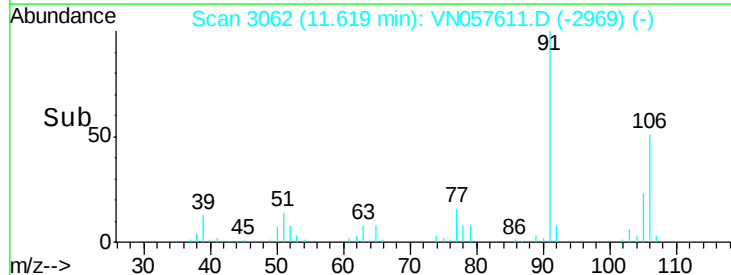
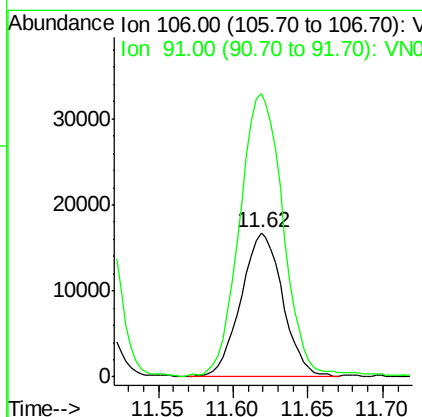
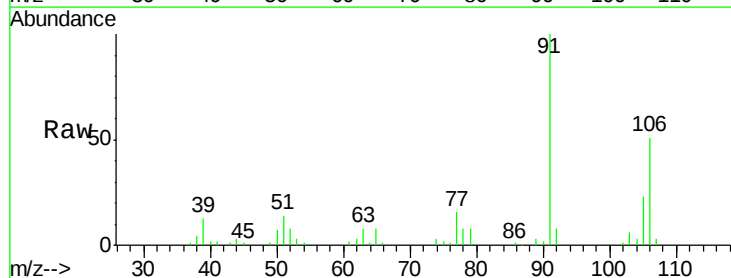
Manual Integrations
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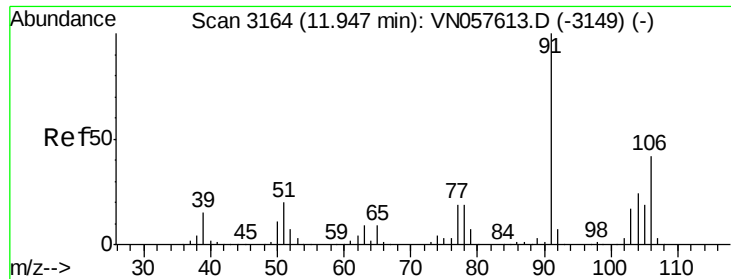
MMDadoda
9/3/2019 11:51:47 AM



#68
m/p-Xylenes
Concen: 8.356 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion: 106 Resp: 32586
Ion Ratio Lower Upper
106 100
91 205.8 176.2 264.2





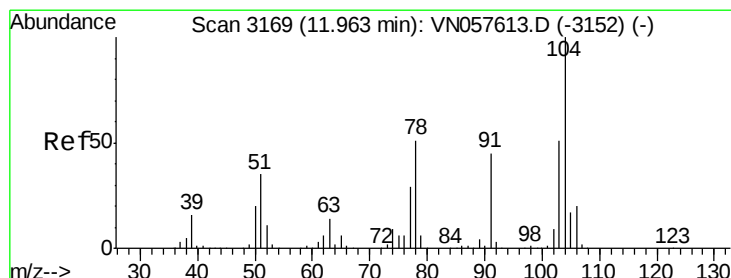
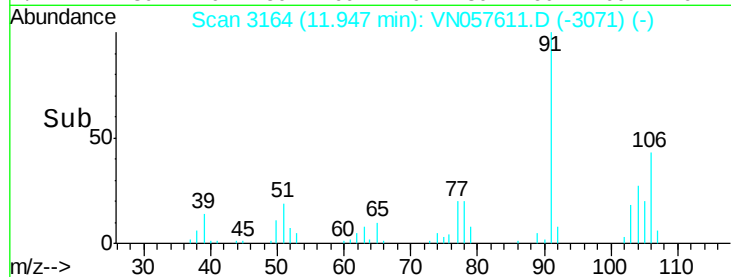
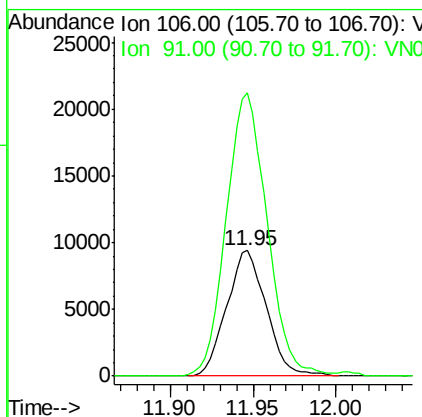
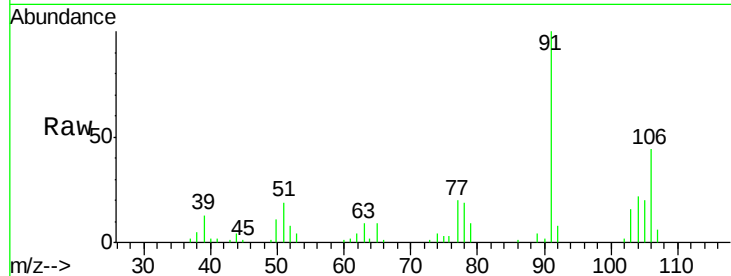
#69
o-Xylene
Concen: 4.150 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 15685
Ion Ratio Lower Upper
106 100
91 231.7 117.3 351.8

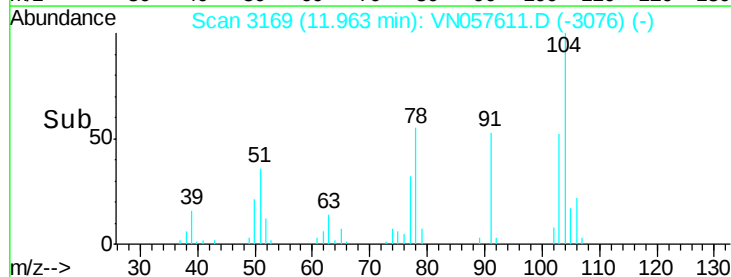
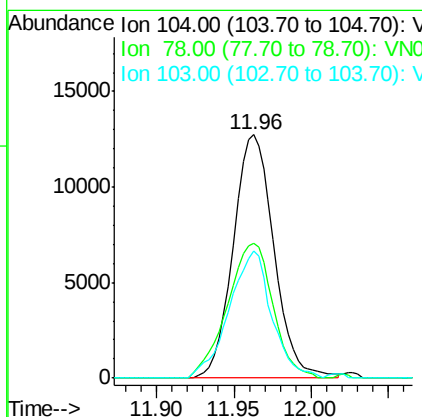
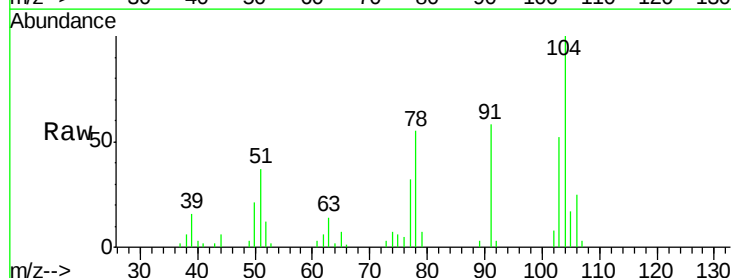
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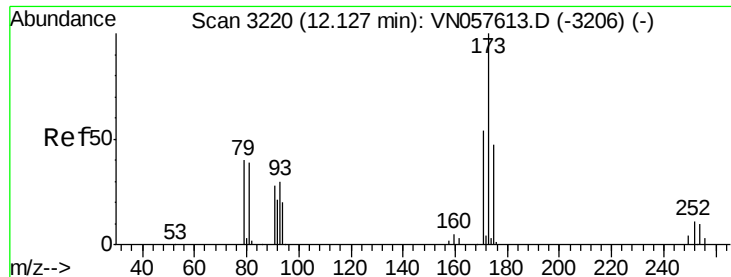
MMDadoda
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#70
Styrene
Concen: 5.837 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion:104 Resp: 23338
Ion Ratio Lower Upper
104 100
78 62.0 46.6 70.0
103 54.5 44.7 67.1





#71

Bromoform

Concen: 8.599 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

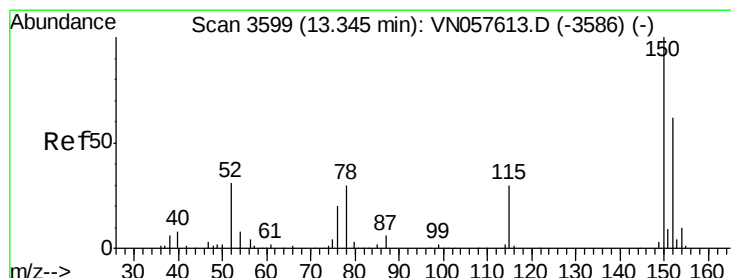
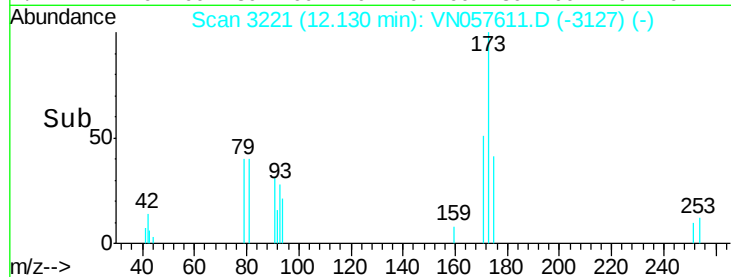
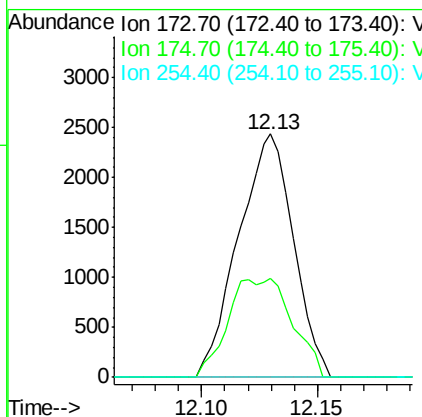
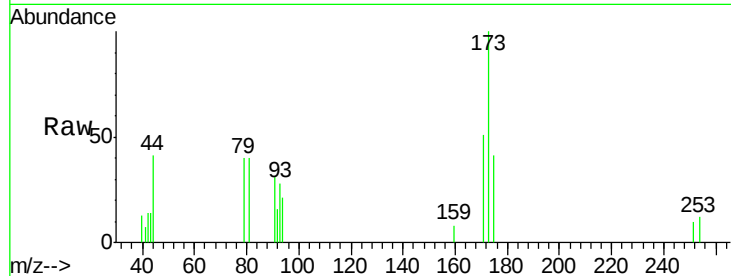
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	22.9	24.4	73.4#
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

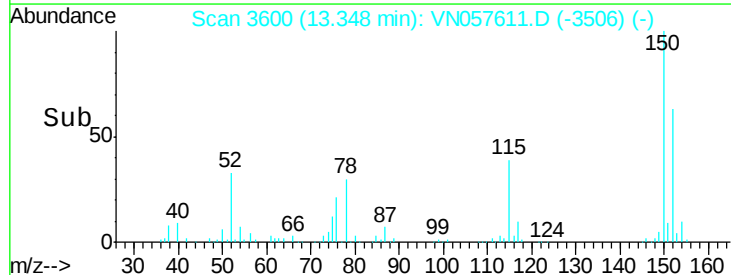
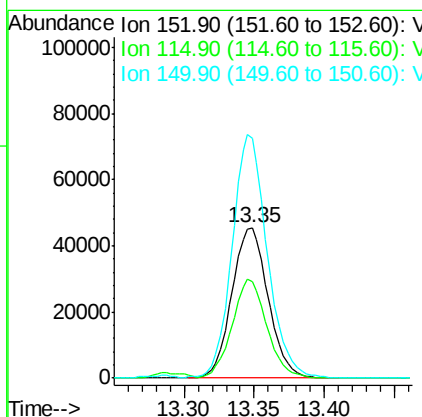
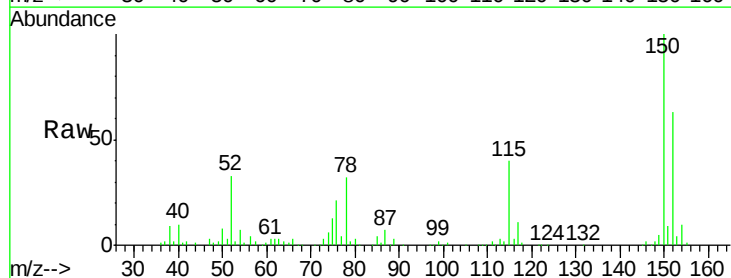
RT: 13.35 min Scan# 3600

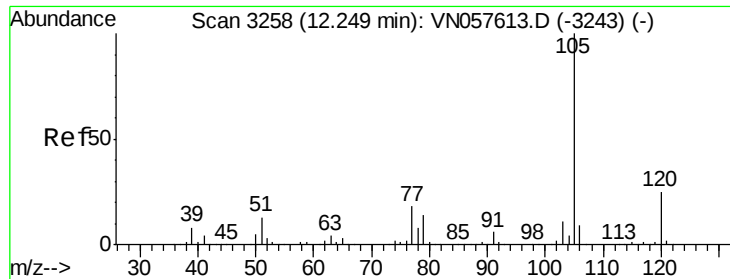
Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	33.2	99.6
150	156.4	0.0	365.2





#73

Isopropylbenzene

Concen: 5.089 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 42133

Ion Ratio Lower Upper

105 100

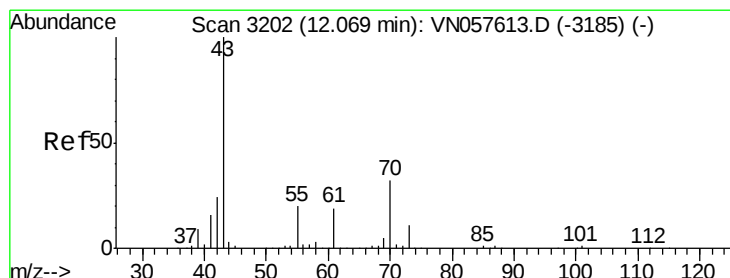
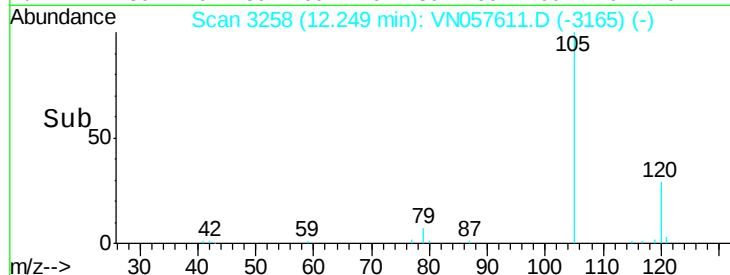
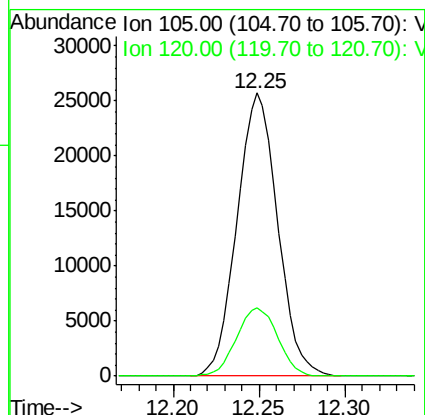
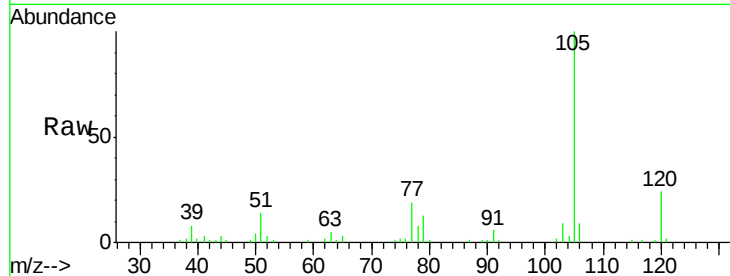
120 24.4 12.7 38.1

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#74

N-ethyl acetate

Concen: 4.733 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Tgt Ion: 43 Resp: 18492

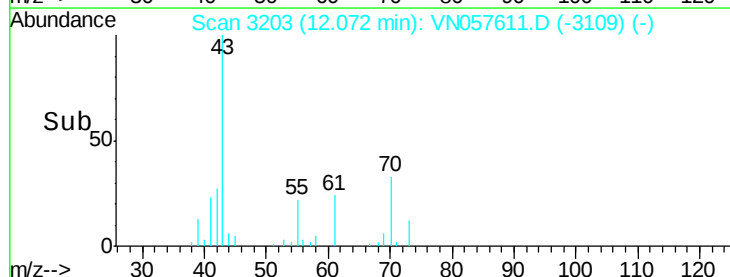
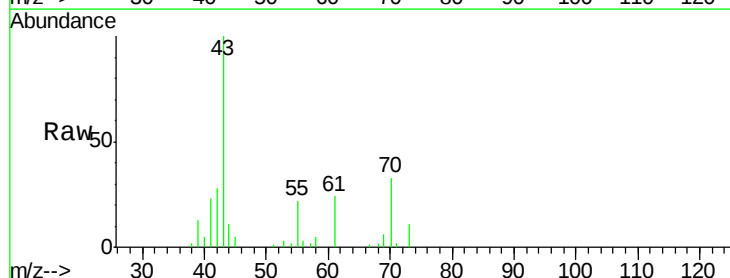
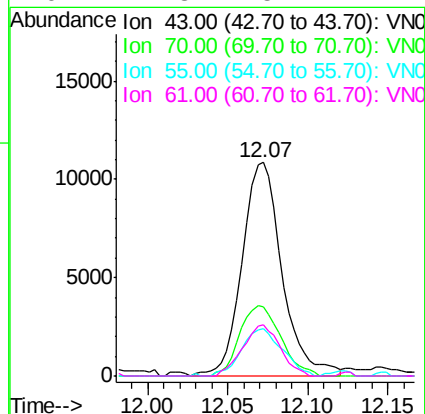
Ion Ratio Lower Upper

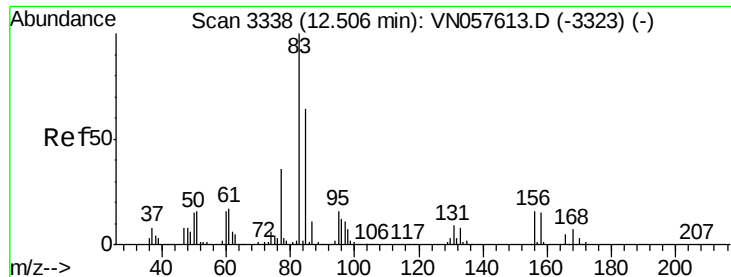
43 100

70 33.8 26.9 40.3

55 22.4 16.8 25.2

61 22.3 15.1 22.7





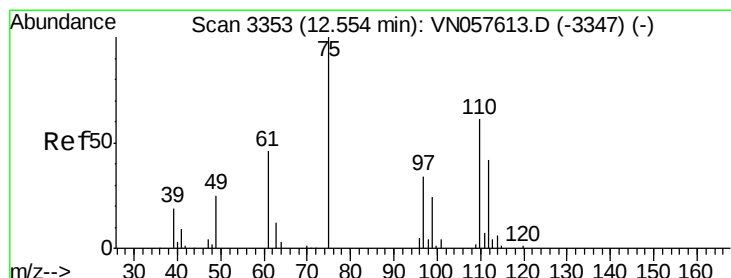
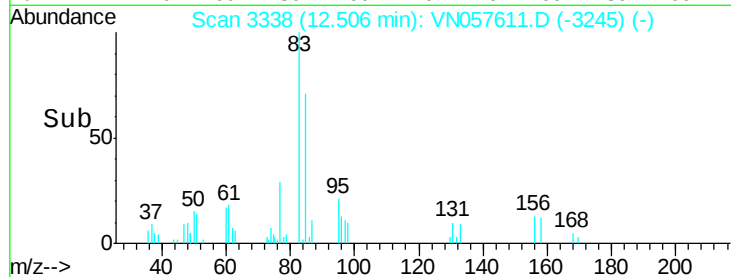
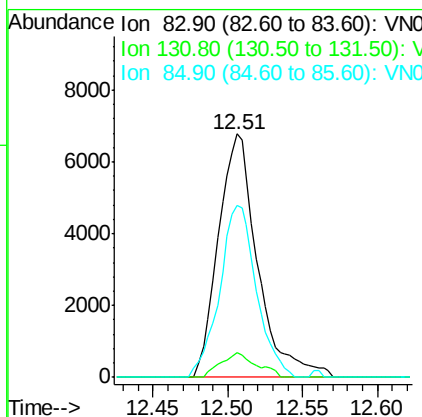
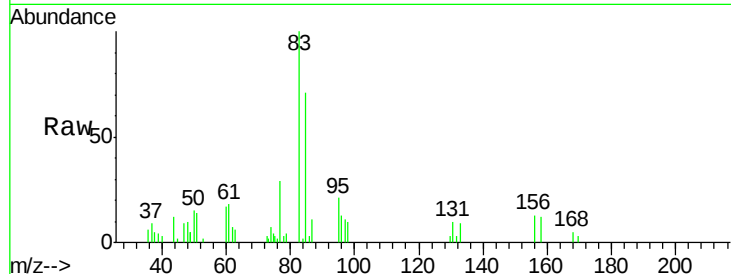
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.068 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.1	4.5	13.7	
85	66.3	31.3	93.8	

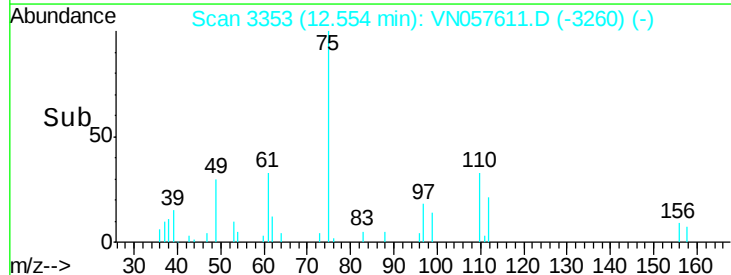
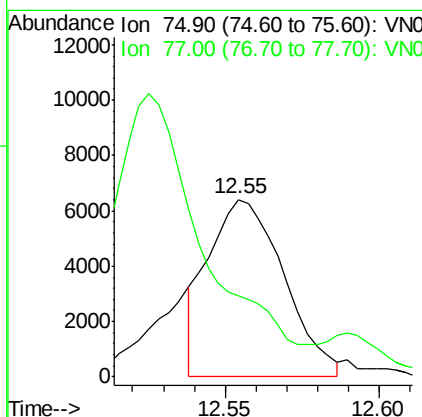
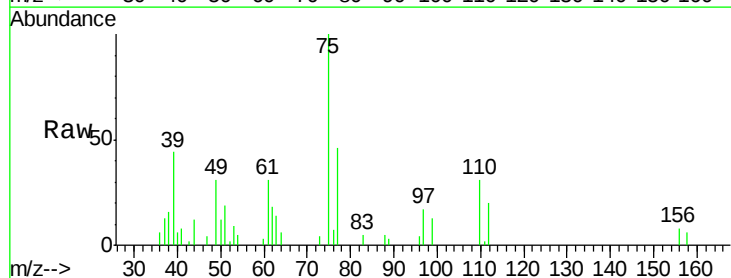
Manual Integrations
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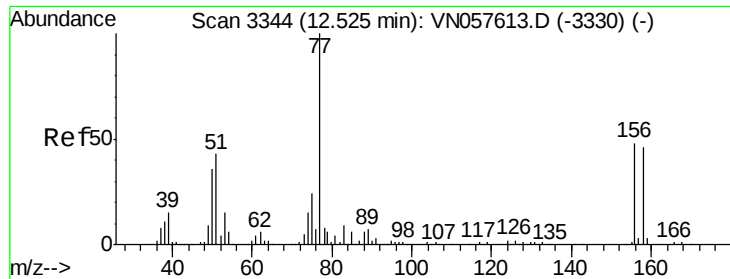
MMDadoda
 9/3/2019 11:51:47 AM



#76
 1,2,3-Trichloropropane
 Concen: 5.063 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 4.742 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

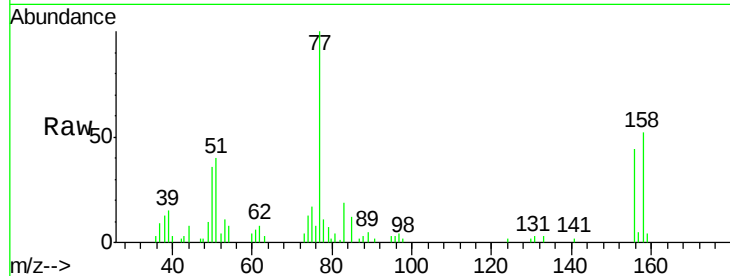
ClientSampled :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	260.5	123.5	370.5
158	104.7	47.8	143.3

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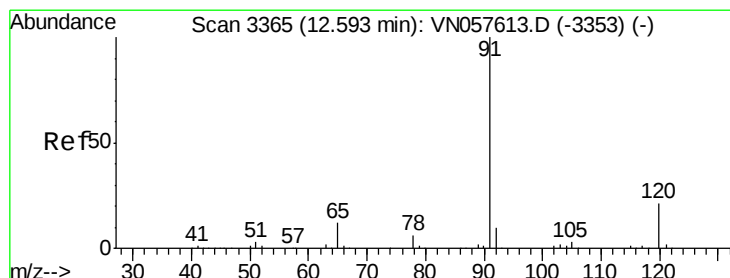
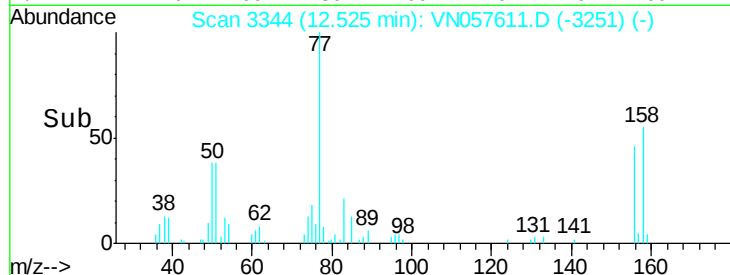
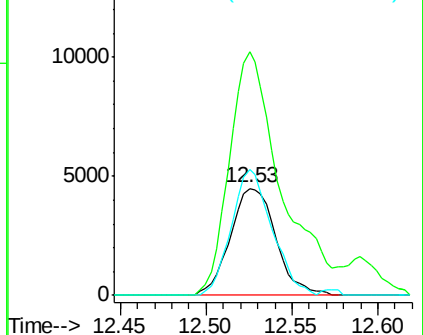
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.948 ug/l

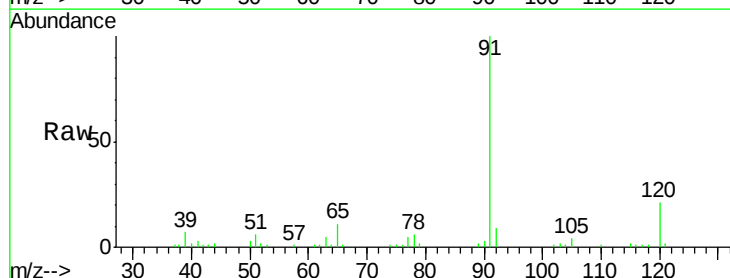
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057611.D

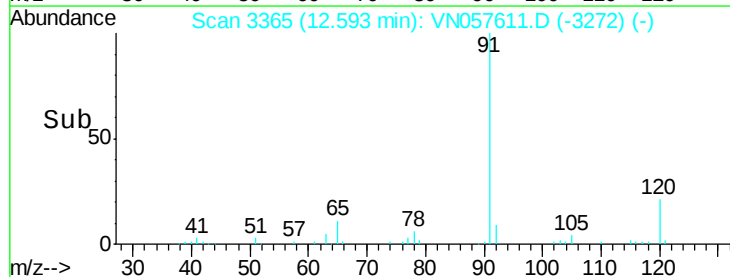
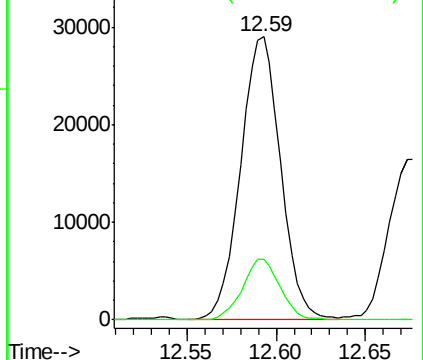
Acq: 31 Aug 2019 13:10

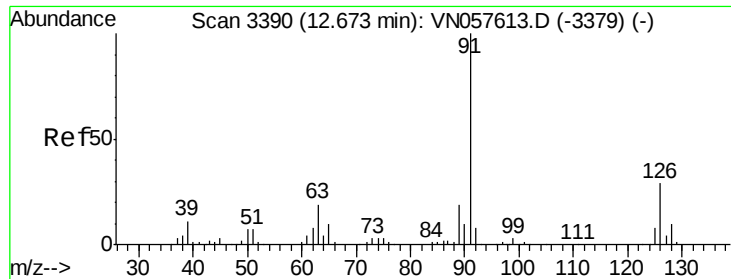
Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.0	10.4	31.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.824 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 27720

Ion Ratio Lower Upper

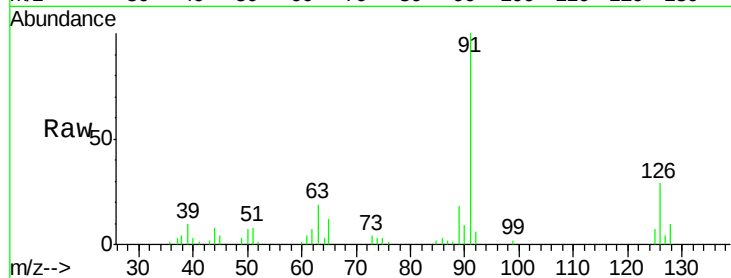
91 100

126 28.4 14.9 44.5

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Abundance Ion 91.00 (90.70 to 91.70): VN057611.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN057611.D (-3390) (-)

30000

25000

20000

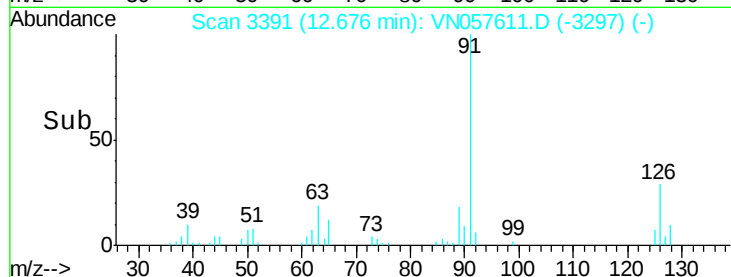
15000

10000

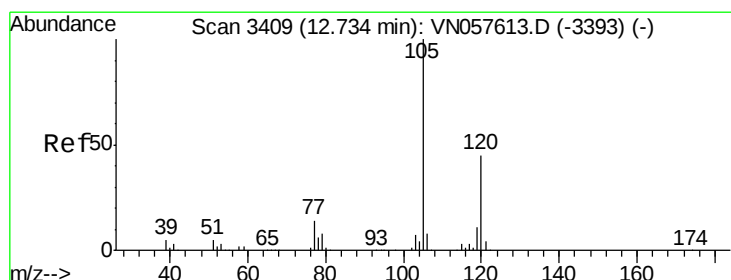
5000

0

Time-->



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.576 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057611.D

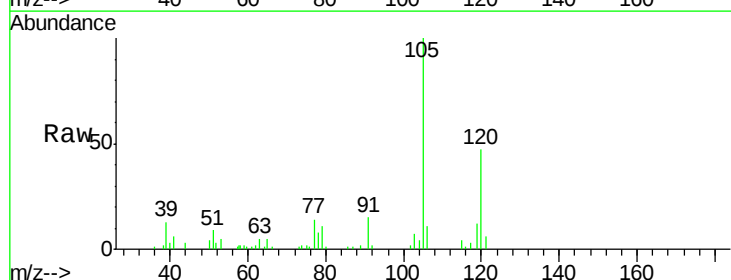
Acq: 31 Aug 2019 13:10

Tgt Ion: 105 Resp: 31167

Ion Ratio Lower Upper

105 100

120 49.3 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): VN057611.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN057611.D (-3409) (-)

20000

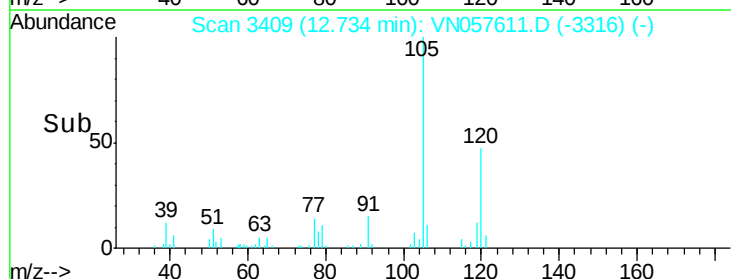
15000

10000

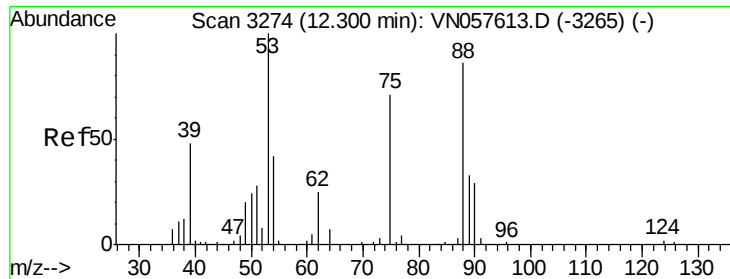
5000

0

Time-->



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 3.620 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

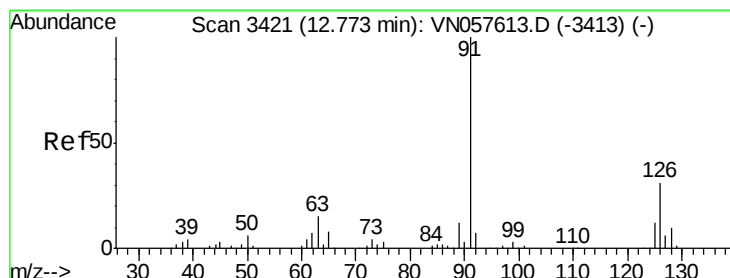
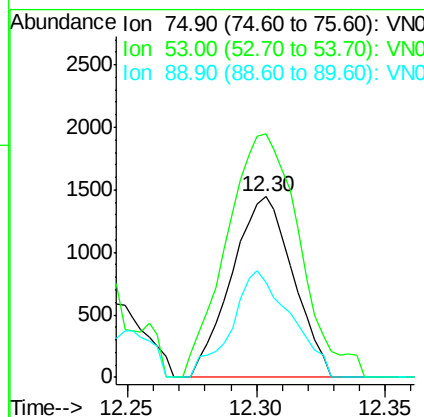
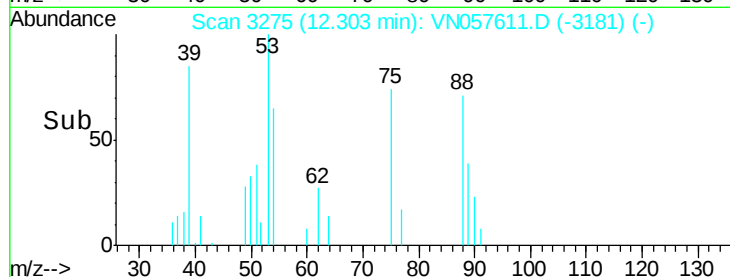
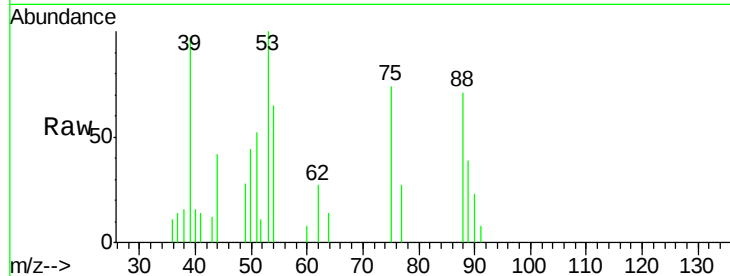
ClientSampled :

VSTDIC005

Tot Ion:	75	Resp:	2411
Ion	Ratio	Lower	Upper
75	100		
53	159.4	111.0	166.6
89	56.9	38.3	57.5

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#82

4-Chlorotoluene

Concen: 4.932 ug/l

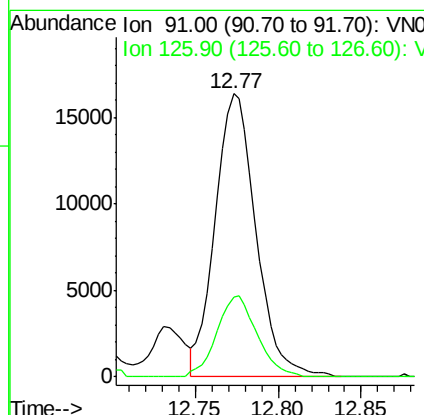
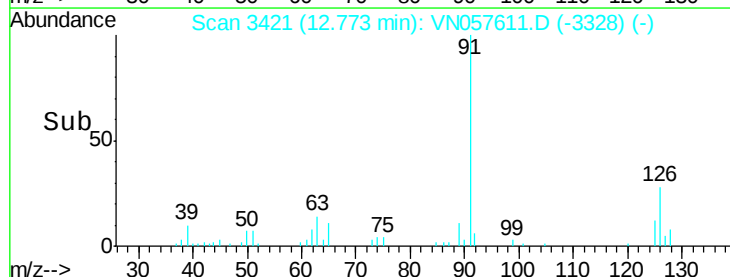
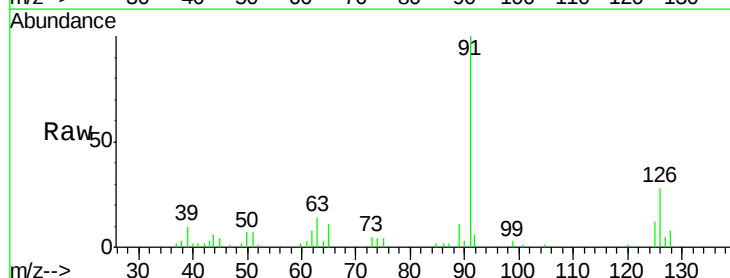
RT: 12.77 min Scan# 3421

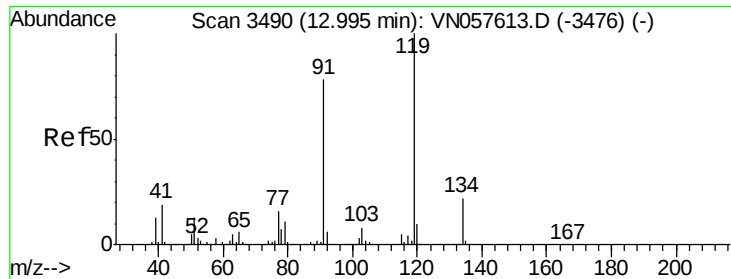
Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Tgt Ion:	91	Resp:	28049
Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.4	43.2





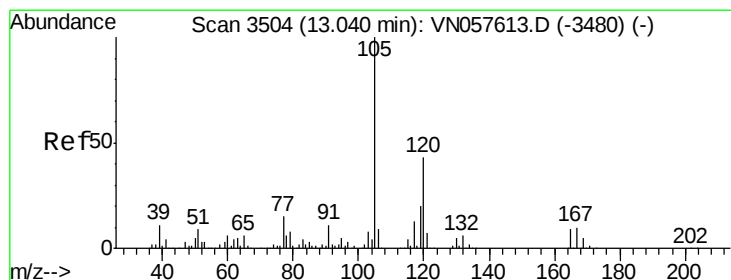
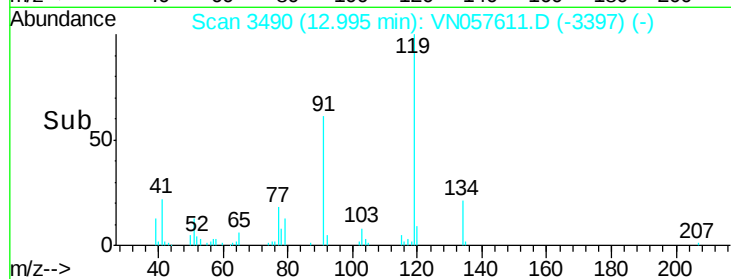
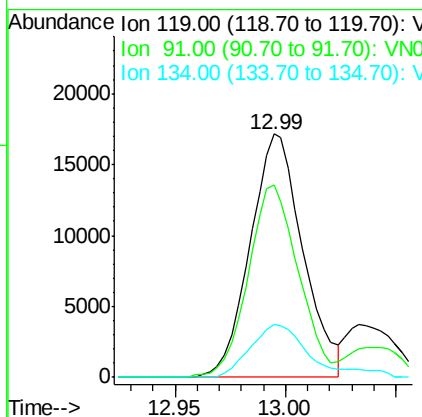
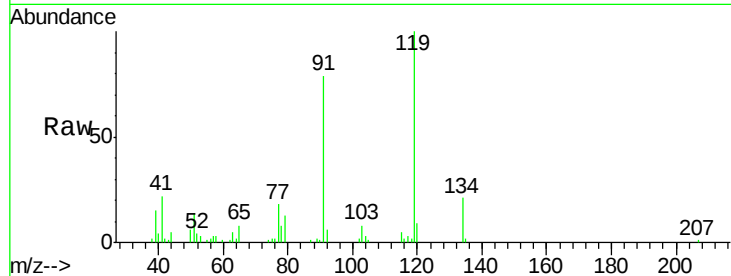
#83
tert-Butylbenzene
Concen: 4.927 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	75.1	38.3	114.9
134	24.7	11.3	33.8

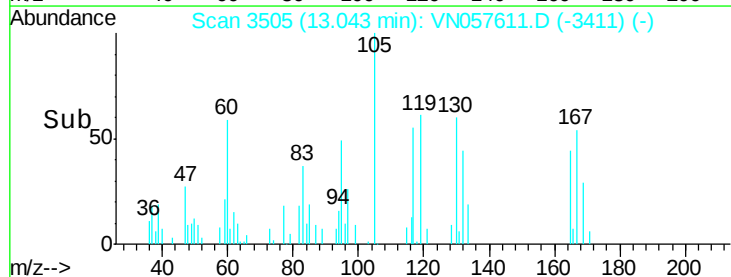
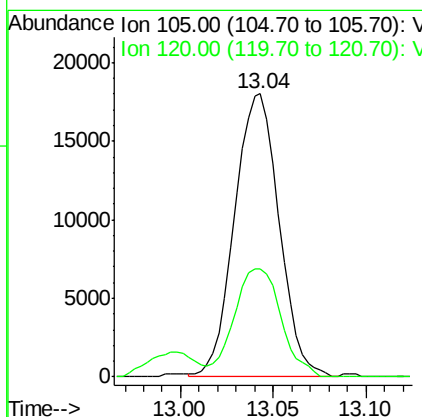
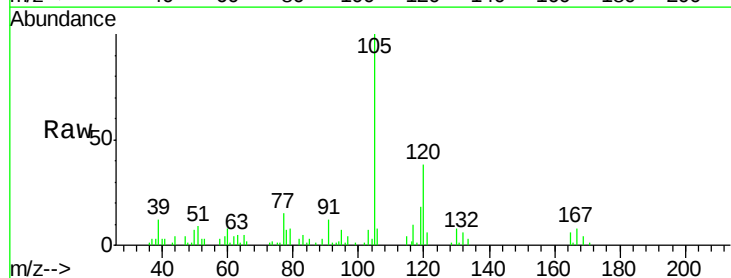
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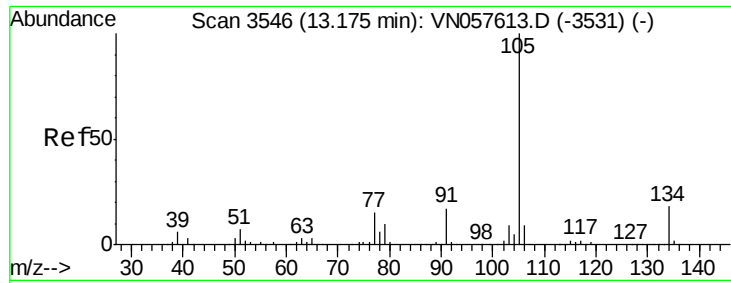
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#84
1,2,4-Trimethylbenzene
Concen: 4.567 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.1	20.8	62.5





#85

sec-Butylbenzene

Concen: 4.893 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 38033

Ion Ratio Lower Upper

105 100

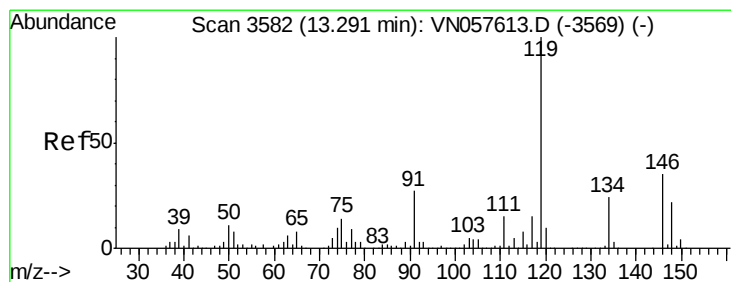
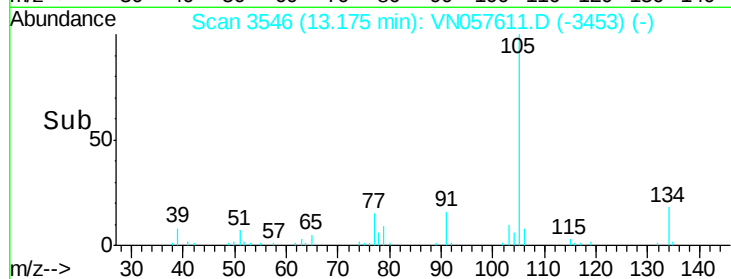
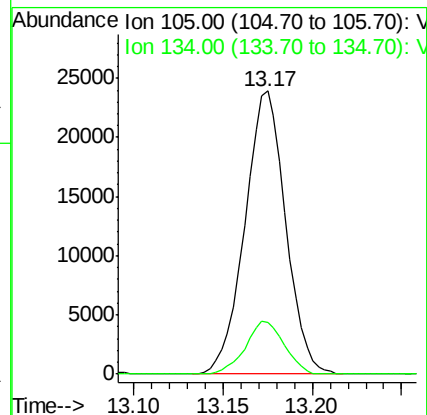
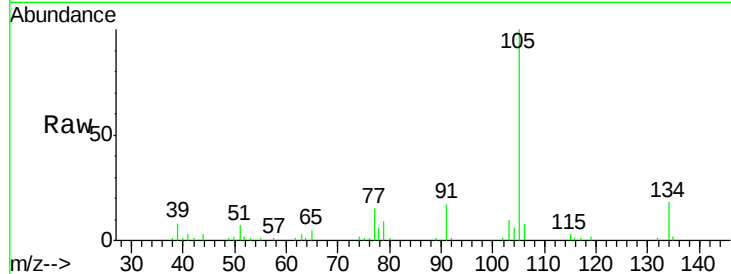
134 17.8 8.9 26.8

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#86

p-Isopropyltoluene

Concen: 4.668 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

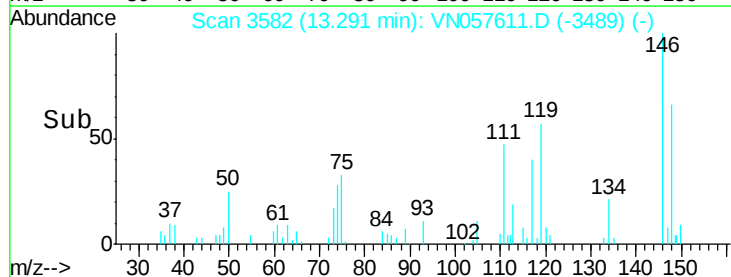
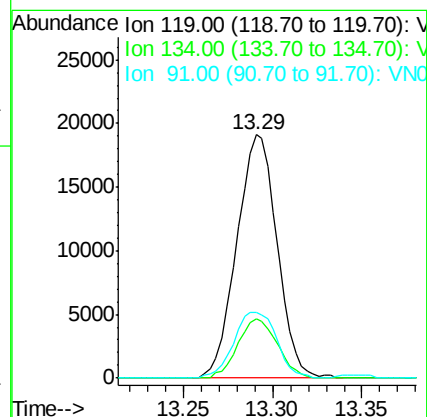
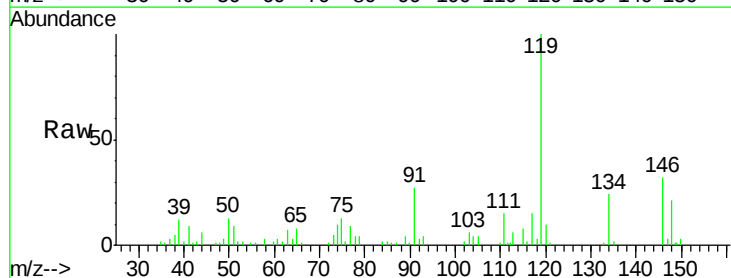
Tgt Ion:119 Resp: 30006

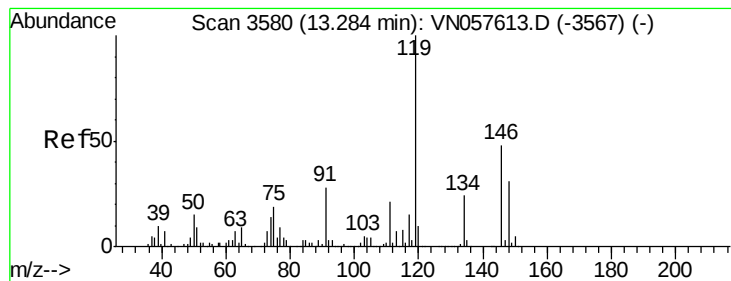
Ion Ratio Lower Upper

119 100

134 23.7 11.9 35.5

91 28.9 13.7 41.0





#87

1,3-Dichlorobenzene

Concen: 4.400 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

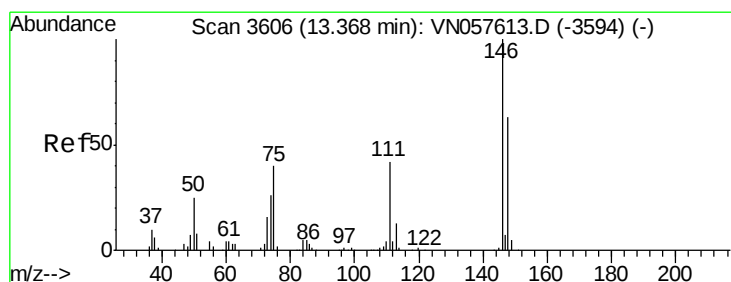
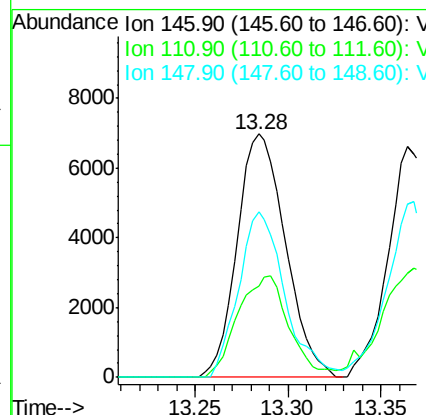
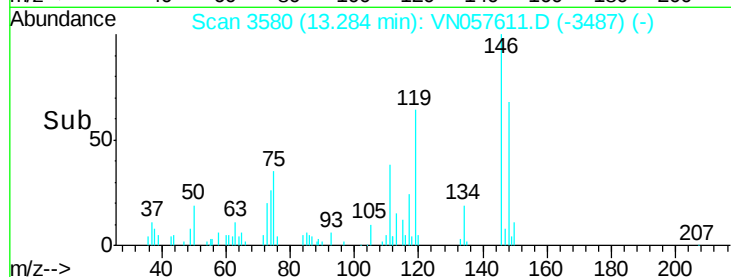
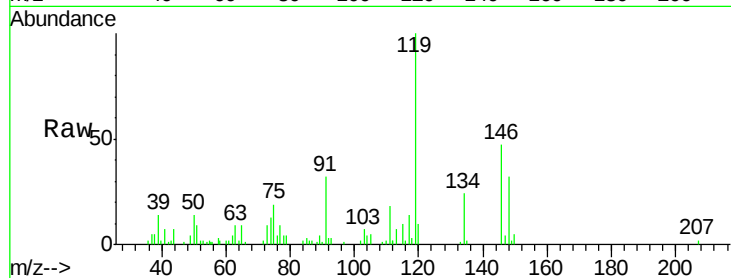
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	12632
Ion Ratio	Lower	Upper	
146	100		
111	44.1	21.8	65.3
148	65.3	31.4	94.2

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#88

1,4-Dichlorobenzene

Concen: 4.409 ug/l

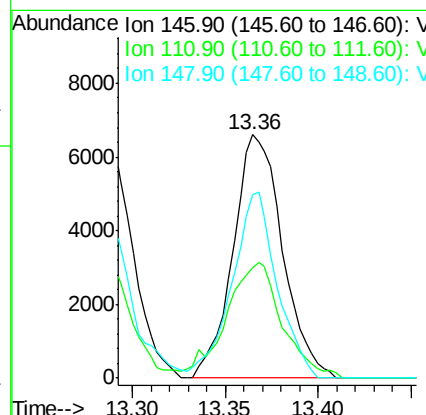
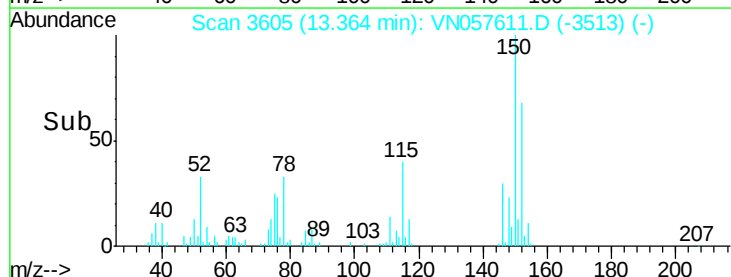
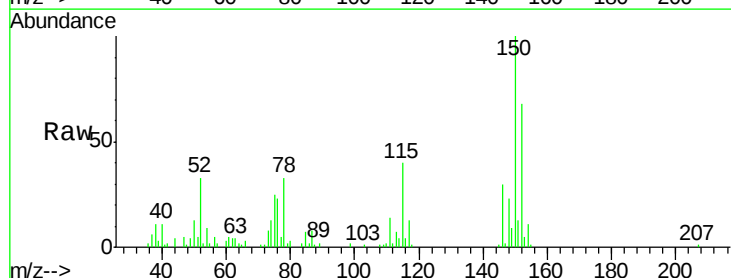
RT: 13.36 min Scan# 3605

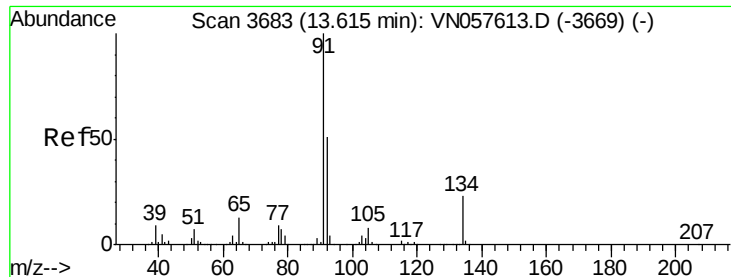
Delta R.T. -0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Tgt Ion:	146	Resp:	12226
Ion Ratio	Lower	Upper	
146	100		
111	53.8	21.6	65.0
148	69.7	32.2	96.6





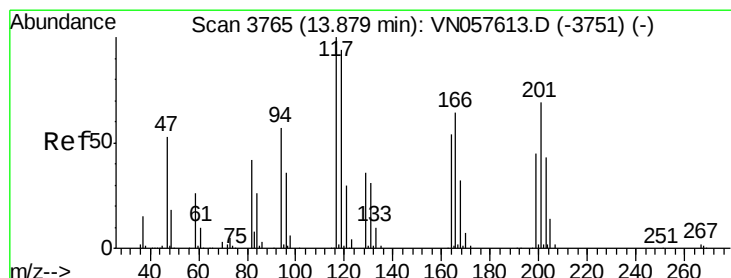
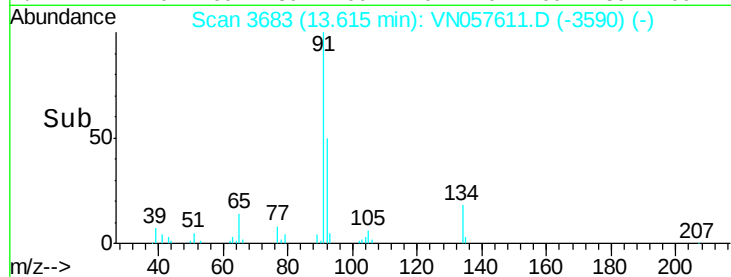
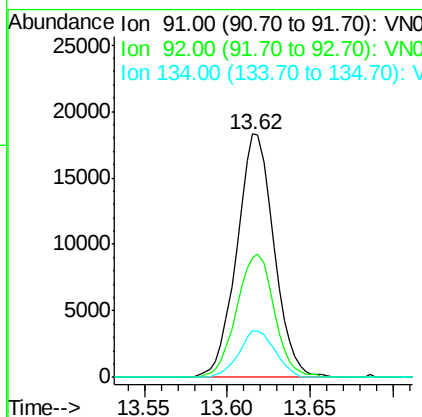
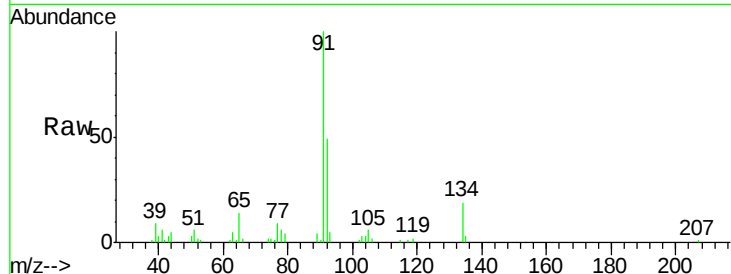
#89
n-Butylbenzene
Concen: 4.743 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.4	76.0
134	18.5	11.0	33.0

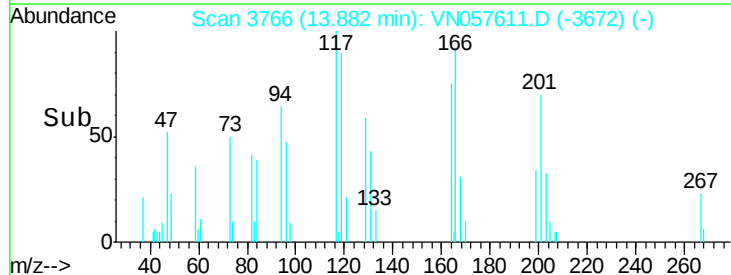
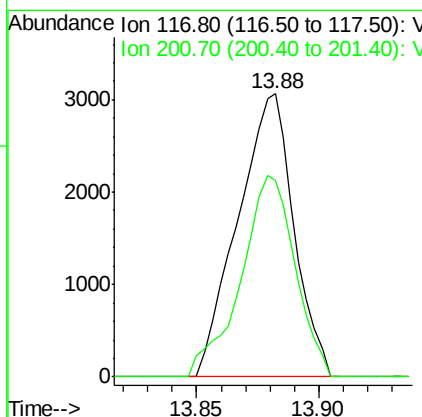
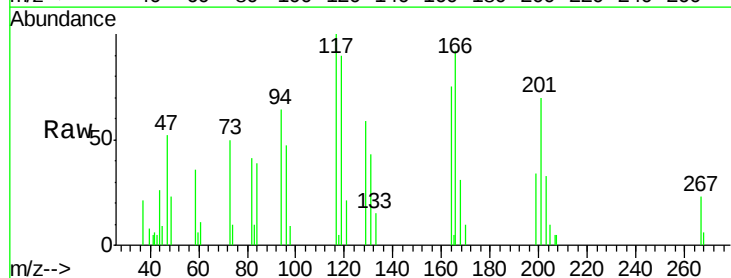
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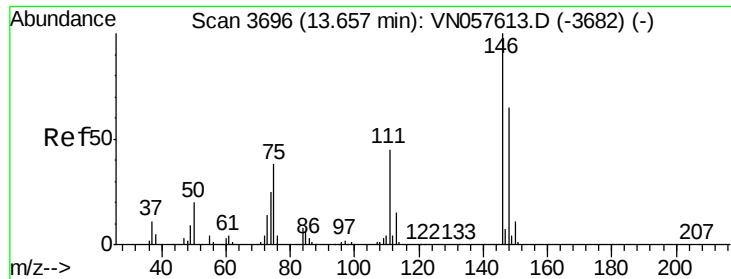
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#90
Hexachloroethane
Concen: 4.357 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057611.D
Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.8	34.4	103.2





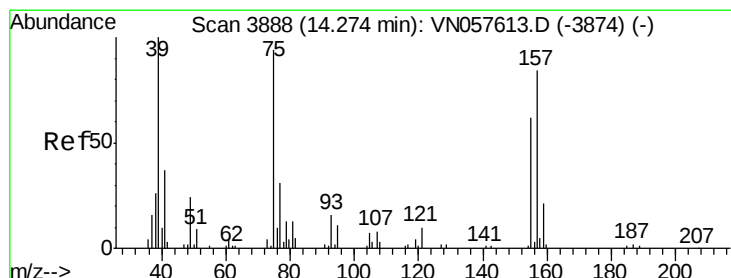
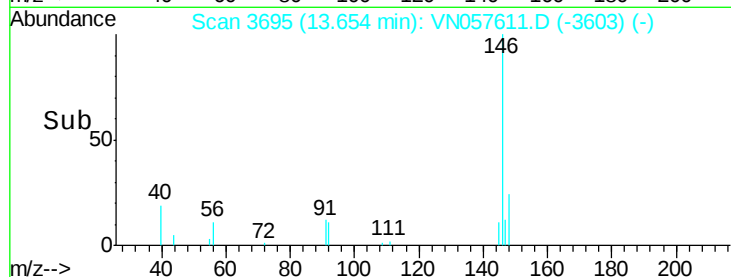
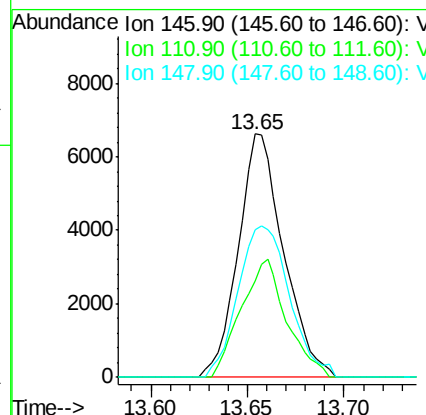
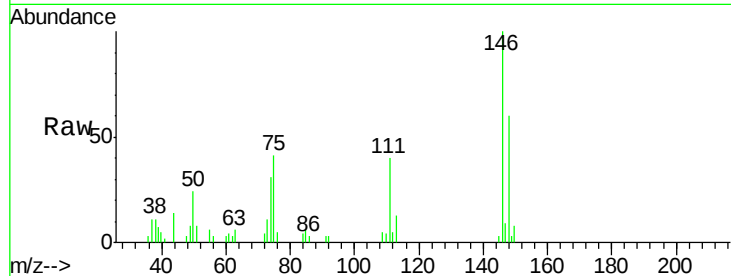
#91
 1,2-Dichlorobenzene
 Concen: 3.940 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.7	22.1	66.5
148	70.5	31.6	94.7

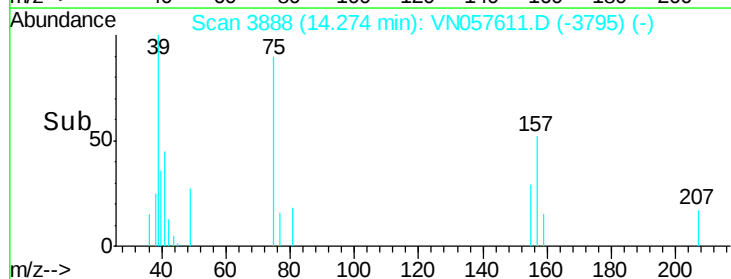
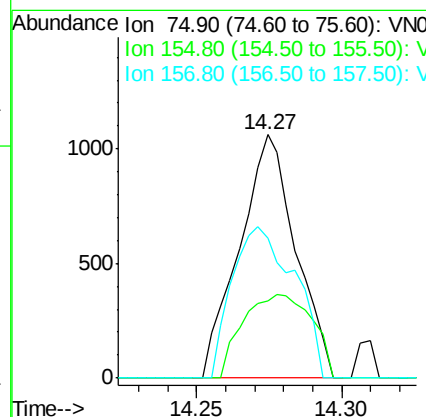
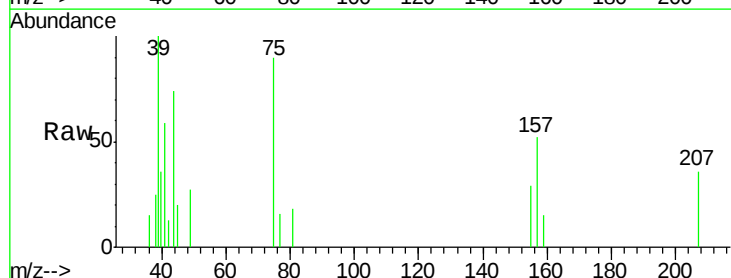
Manual Integrations
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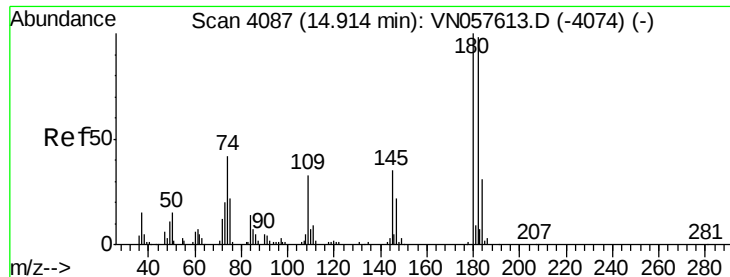
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.806 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	42.0	30.1	90.5
157	69.1	41.4	124.4





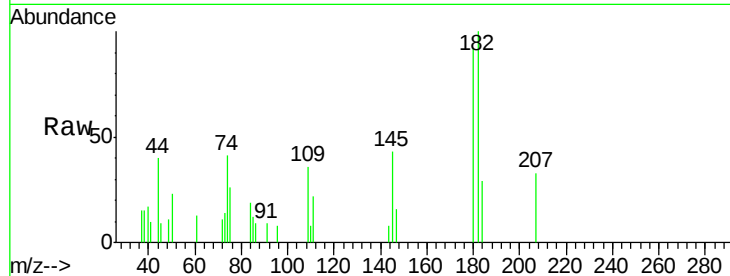
#93
 1,2,4-Trichlorobenzene
 Concen: 10.201 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

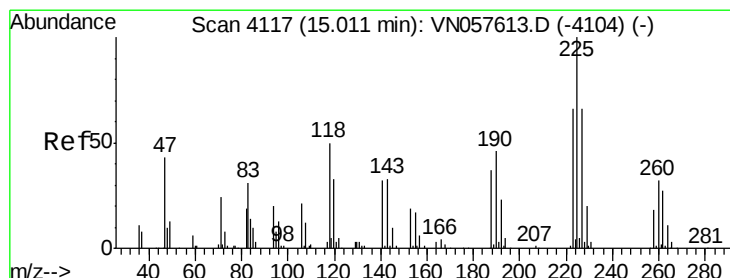
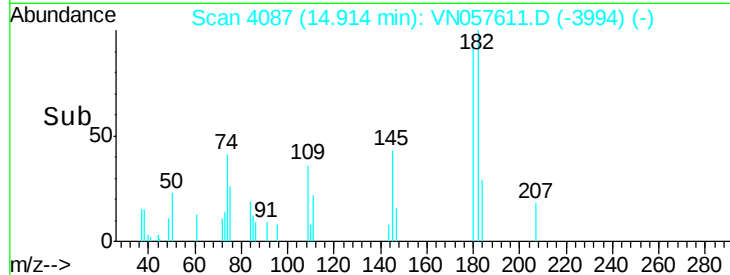
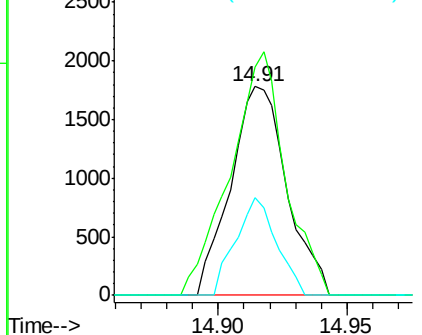
Tot Ion	Ratio	Resp	Lower	Upper
180	100	2715		
182	114.0	47.8	143.3	
145	34.0	16.9	50.7	

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:51:47 AM

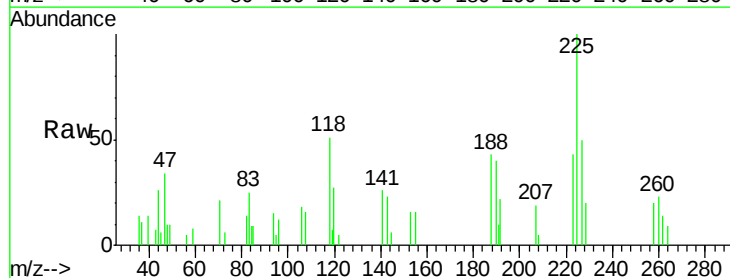


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

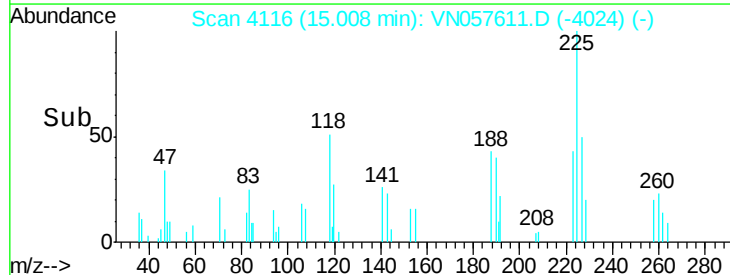
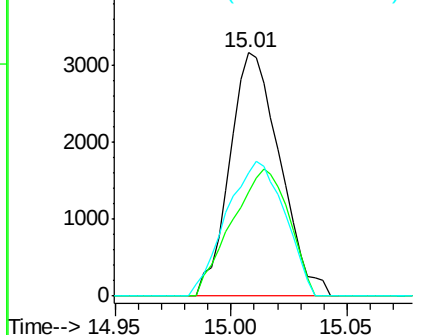


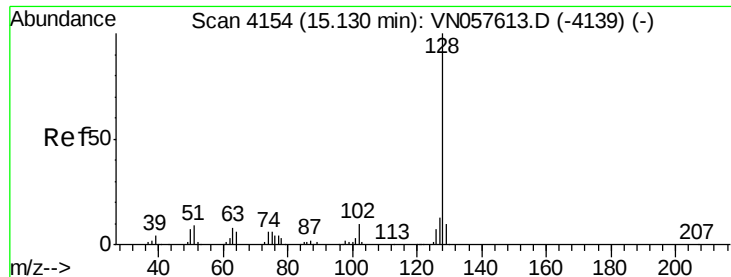
#94
 Hexachlorobutadiene
 Concen: 5.046 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN057611.D
 Acq: 31 Aug 2019 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	4743		
223	59.5	32.3	96.8	
227	64.5	32.4	97.2	



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





#95

Naphthalene

Concen: 8.984 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Instrument :

MSVOA_N

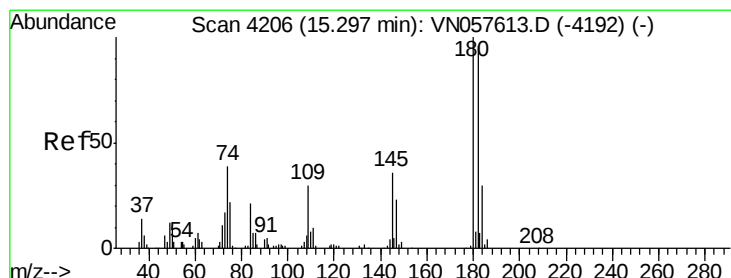
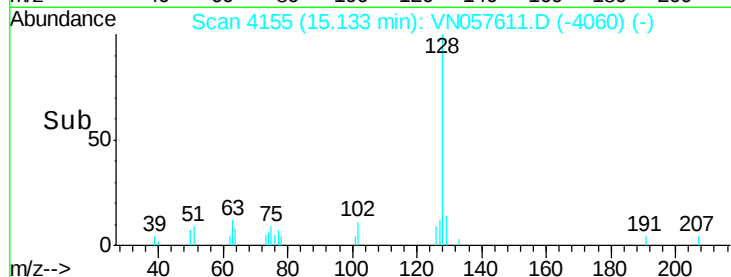
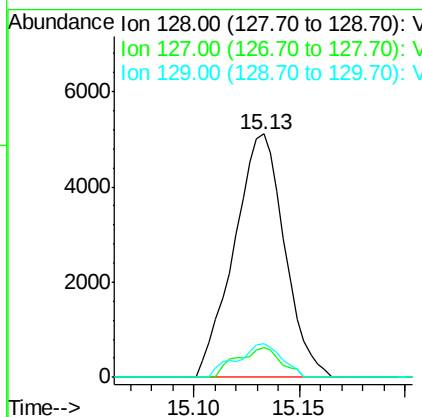
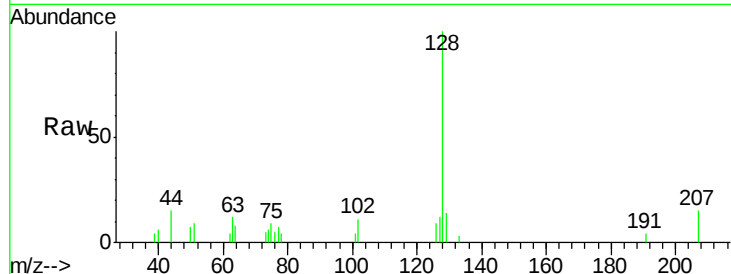
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	8490
Ion	Ratio	Lower	Upper
128	100		
127	10.7	10.2	15.2
129	12.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:51:47 AM



#96

1,2,3-Trichlorobenzene

Concen: 9.723 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057611.D

Acq: 31 Aug 2019 13:10

Tgt Ion:	180	Resp:	2759
Ion	Ratio	Lower	Upper
180	100		
182	97.8	46.3	138.9
145	31.1	17.8	53.3

