

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058463.D
 Acq On : 1 Oct 2019 14:24
 Operator : JC/SP
 Sample : K5095-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-5

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:20:33 PM

Quant Time: Oct 02 07:14:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	462962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	777170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	636489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	323485	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	7.59	113	245183	51.47	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.09	98	971113	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.41	95	320401	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	

Target Compounds

						Qvalue
3) Chloromethane	2.03	50	10563	1.893	ug/l	98
4) Vinyl Chloride	2.17	62	19449	3.557	ug/l	94
6) Chloroethane	2.69	64	4103	1.253	ug/l #	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	1552586	346.514	ug/l	99
12) 1,1-Dichloroethene	3.72	96	5301901	1213.985	ug/l #	70
16) Acetone	3.80	43	114006	49.433	ug/l	99
17) Carbon Disulfide	4.04	76	12321	1.070	ug/l #	95
18) Methyl Acetate	4.32	43	6190m	1.067	ug/l	
20) Methylene Chloride	4.53	84	455516	85.587	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	69405	14.291	ug/l	96
24) 1,1-Dichloroethane	5.83	63	3843816	399.334	ug/l	100
25) 2-Butanone	6.81	43	62644	19.784	ug/l #	1
27) cis-1,2-Dichloroethene	6.81	96	5149572	907.226	ug/l	83
30) Chloroform	7.36	83	717369	73.546	ug/l	99
32) 1,1,1-Trichloroethane	7.58	97	18563825	2317.631	ug/l #	59
39) Methylcyclohexane	9.07	83	22118	2.549	ug/l	91
40) Benzene	8.03	78	3063875	143.433	ug/l	98
42) 1,2-Dichloroethane	8.11	62	186736	22.470	ug/l	100
44) Trichloroethene	8.83	130	6274401	1189.589	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	599820	98.561	ug/l	100
52) Toluene	10.15	92	7246347	538.954	ug/l #	56
55) 1,1,2-Trichloroethane	10.57	97	693851	141.728	ug/l	98
64) Tetrachloroethene	10.69	164	15500246m	3833.069	ug/l	
65) Chlorobenzene	11.44	112	208986	16.518	ug/l	99
67) Ethyl Benzene	11.52	91	521337	22.750	ug/l	100
68) m/p-Xylenes	11.62	106	637462	73.934	ug/l	96
69) o-Xylene	11.95	106	300238	36.173	ug/l	95
73) Isopropylbenzene	12.26	105	207081	9.497	ug/l	99
78) n-propylbenzene	12.60	91	1005442	40.929	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1319802	72.306	ug/l	100
83) tert-Butylbenzene	13.00	119	21058	1.367	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	3696790	202.146	ug/l	85
85) sec-Butylbenzene	13.18	105	165364	8.157	ug/l #	71
86) p-Isopropyltoluene	13.30	119	197285	11.056	ug/l	100

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COMPOSITE-5

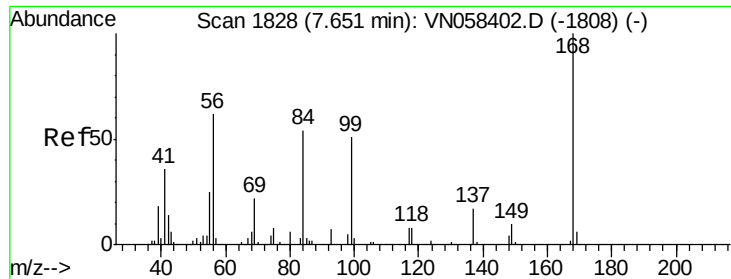
Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:20:33 PM

Quant Time: Oct 02 07:14:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	13.29	146	13068	1.410	ug/l	94
88) 1,4-Dichlorobenzene	13.37	146	62628	6.790	ug/l	95
89) n-Butylbenzene	13.62	91	166500	10.300	ug/l #	78
91) 1,2-Dichlorobenzene	13.66	146	119212	13.383	ug/l	99
93) 1,2,4-Trichlorobenzene	14.92	180	62252	12.647	ug/l	94
95) Naphthalene	15.14	128	381393	26.444	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	12355	2.479	ug/l #	85

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058463.D

Acq: 1 Oct 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-5

Tot Ion:168 Resp: 462962

Ion Ratio Lower Upper

168 100

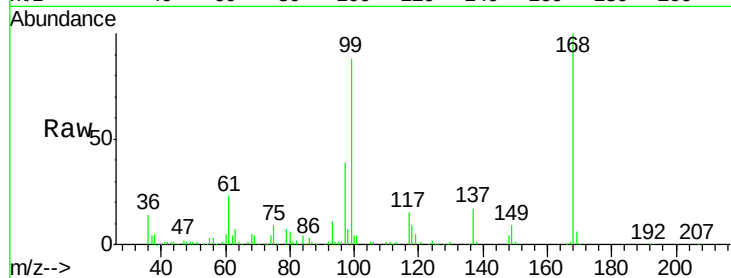
99 85.4 47.7 71.5#

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

3000000

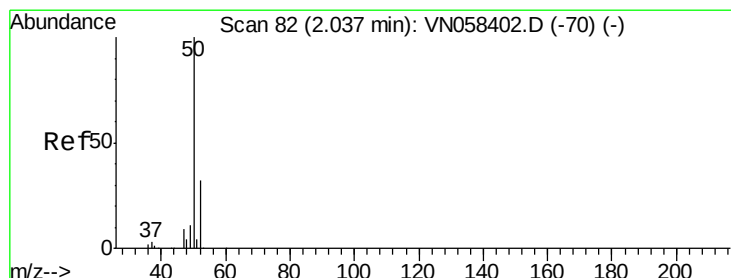
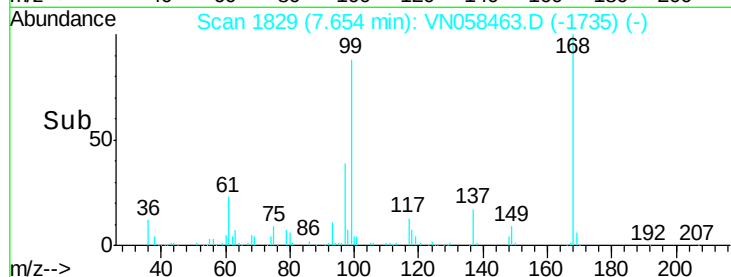
2000000

1000000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 1.893 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058463.D

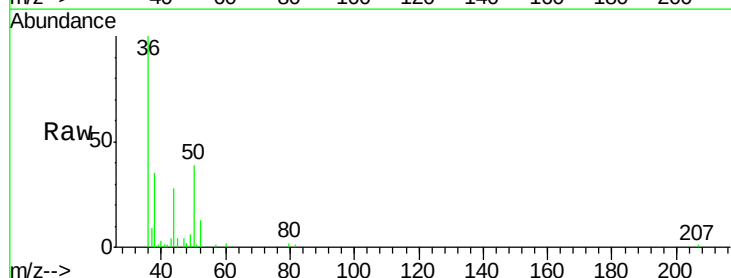
Acq: 1 Oct 2019 14:24

Tgt Ion: 50 Resp: 10563

Ion Ratio Lower Upper

50 100

52 33.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

8000

6000

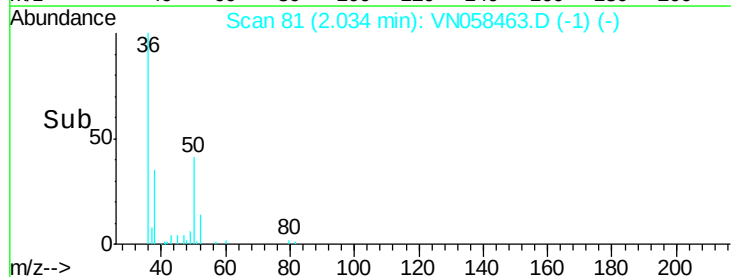
4000

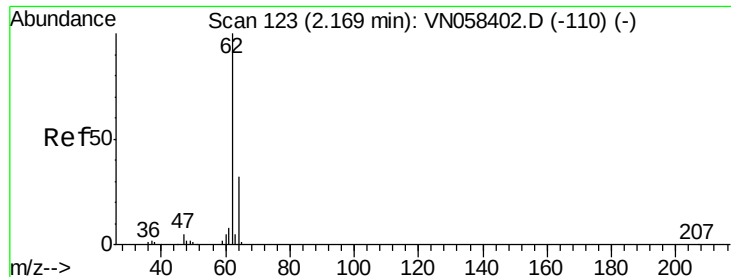
2000

0

2.00 2.05

Time-->





#4

Vinyl Chloride

Concen: 3.557 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058463.D

Acq: 1 Oct 2019 14:24

Instrument :

MSVOA_N

ClientSampled :

COMPOSITE-5

Tot Ion: 62 Resp: 19449

Ion Ratio Lower Upper

62 100

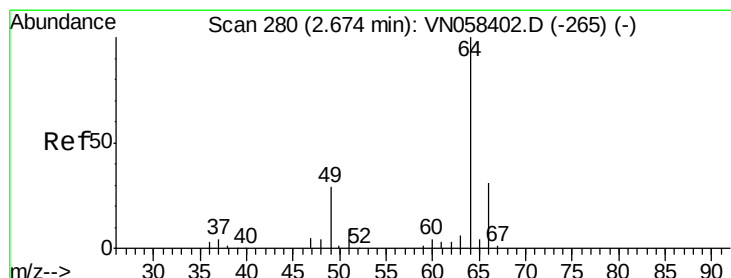
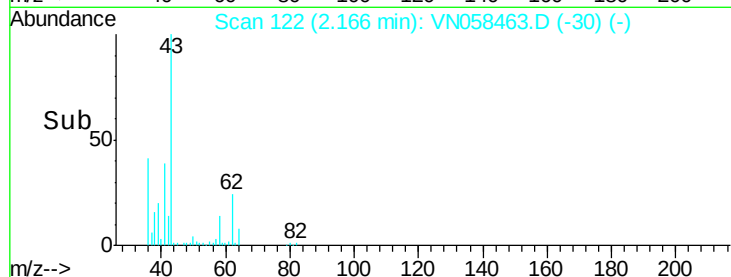
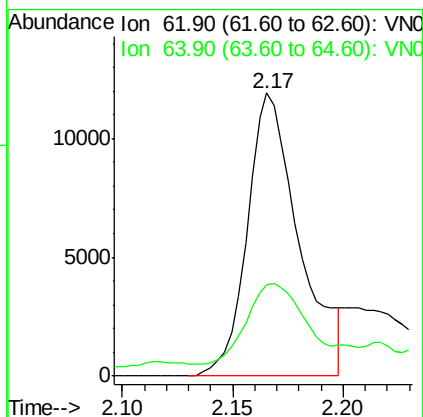
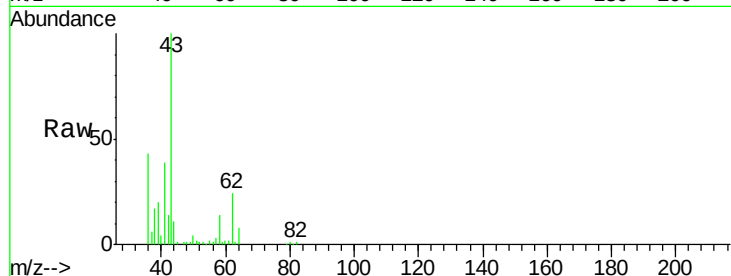
64 28.4 25.5 38.3

Manual Integrations

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#6

Chloroethane

Concen: 1.253 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.02 min

Lab File: VN058463.D

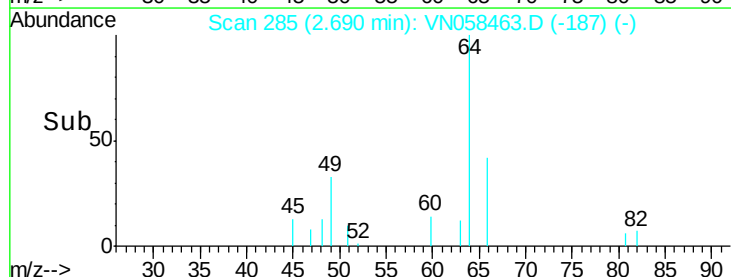
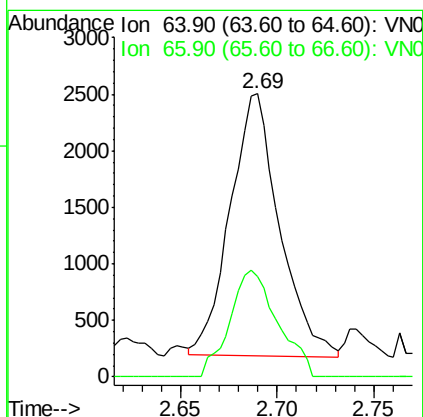
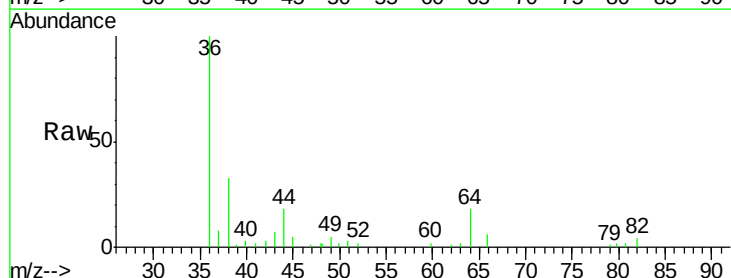
Acq: 1 Oct 2019 14:24

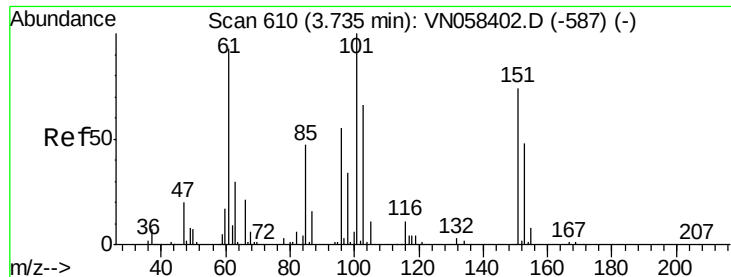
Tgt Ion: 64 Resp: 4103

Ion Ratio Lower Upper

64 100

66 39.2 24.4 36.6#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 346.514 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN058463.D

Acq: 1 Oct 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-5

Tot Ion:101 Resp: 1552586

Ion Ratio Lower Upper

101 100

85 46.2 36.7 55.1

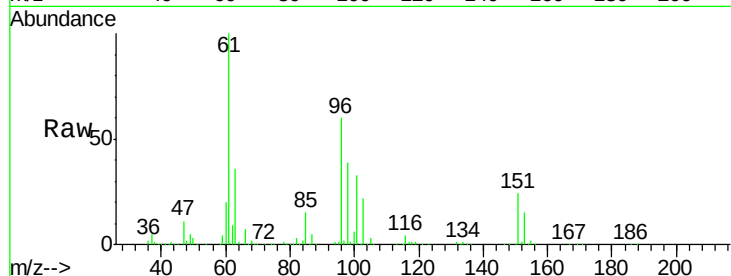
151 73.4 59.4 89.0

Manual Integrations

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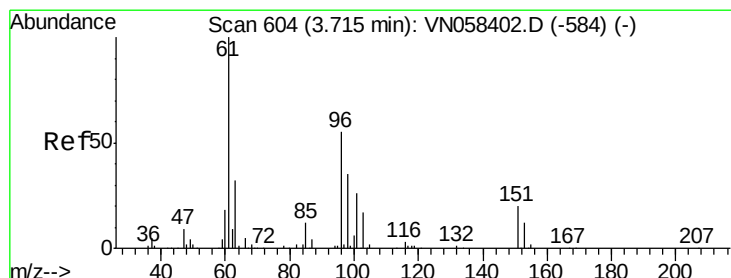
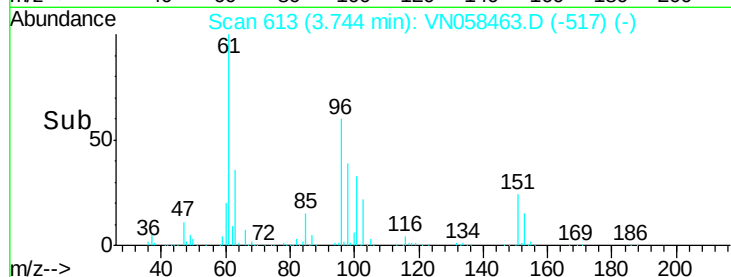
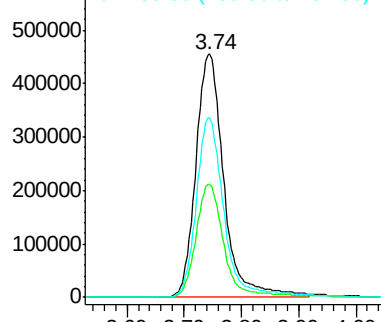
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 1213.985 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.01 min

Lab File: VN058463.D

Acq: 1 Oct 2019 14:24

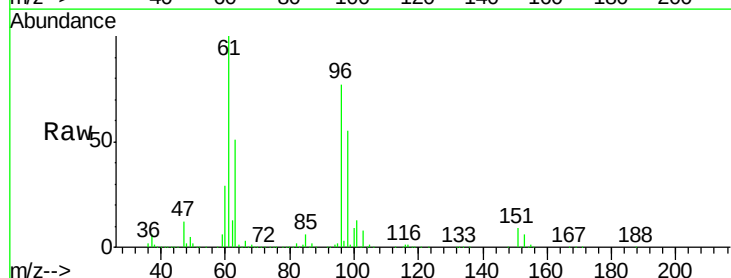
Tgt Ion: 96 Resp: 5301901

Ion Ratio Lower Upper

96 100

61 129.0 146.7 220.1#

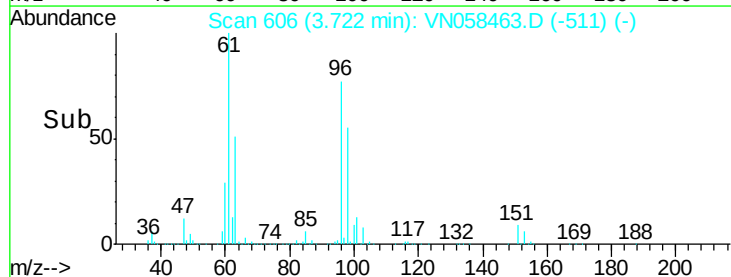
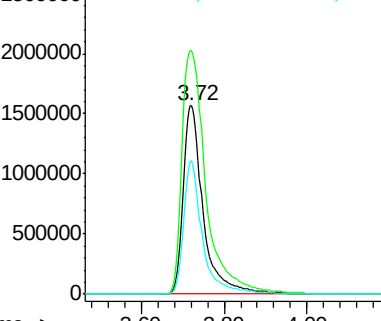
98 70.6 51.3 76.9

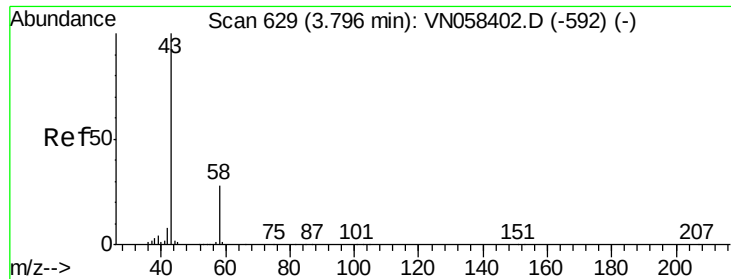


Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





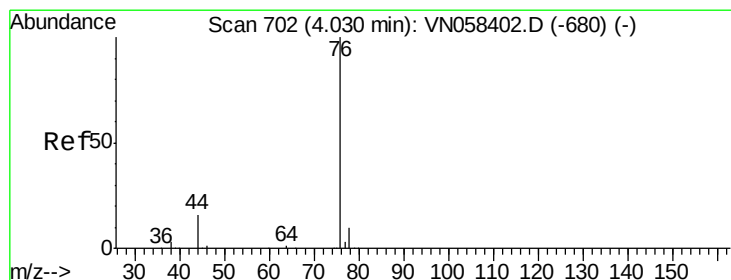
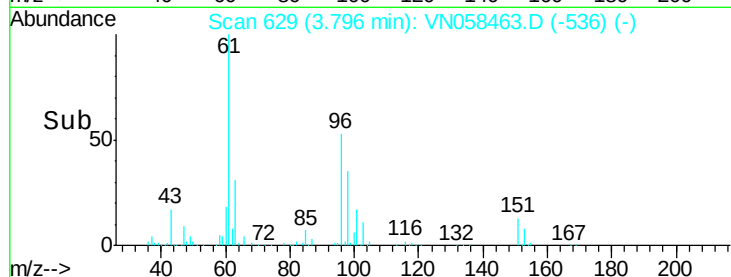
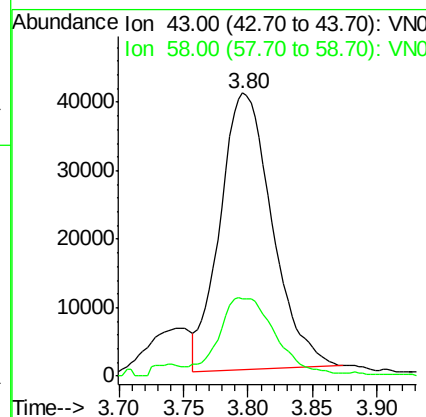
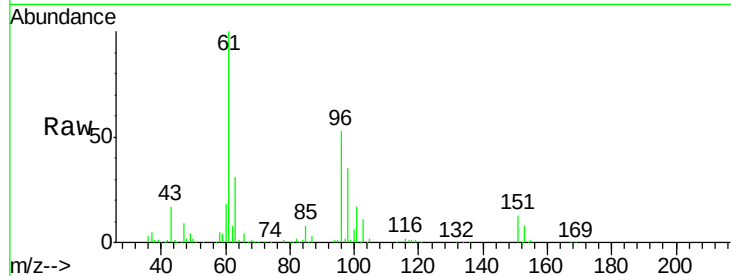
#16
Acetone
Concen: 49.433 ug/l
RT: 3.80 min Scan# 629
Delta R.T. -0.00 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-5

Tot Ion: 43 Resp: 114006
Ion Ratio Lower Upper
43 100
58 27.5 22.4 33.6

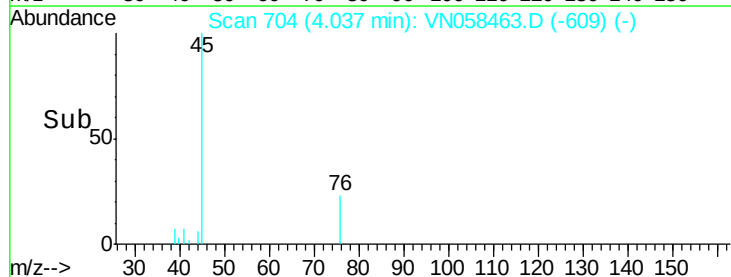
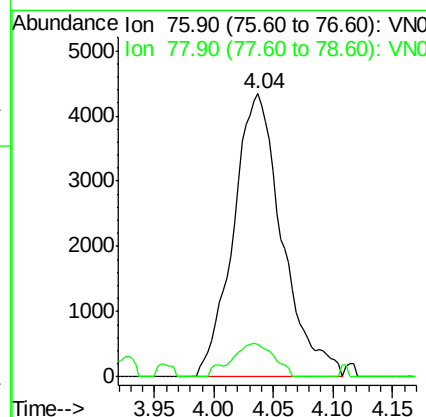
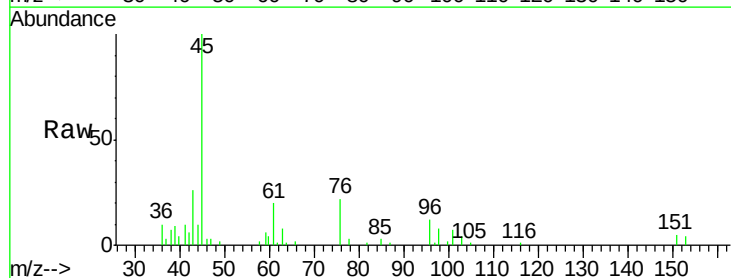
Manual Integrations
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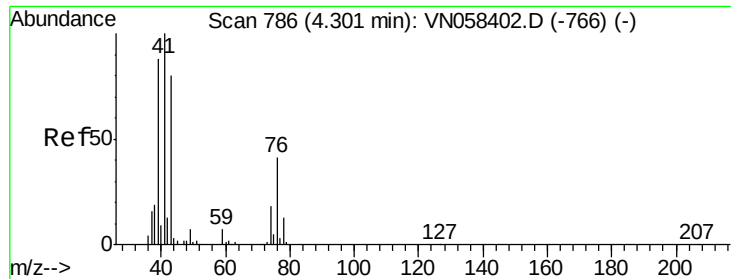
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#17
Carbon Disulfide
Concen: 1.070 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.01 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Tgt Ion: 76 Resp: 12321
Ion Ratio Lower Upper
76 100
78 11.5 7.7 11.5#





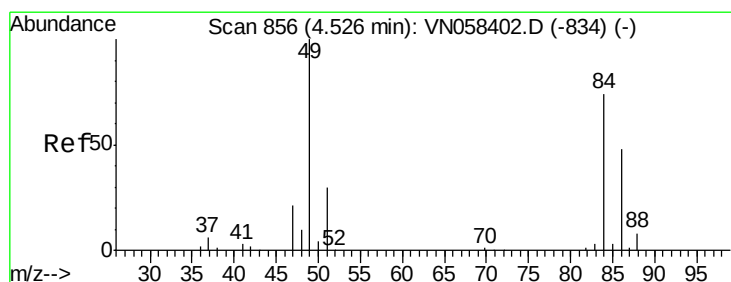
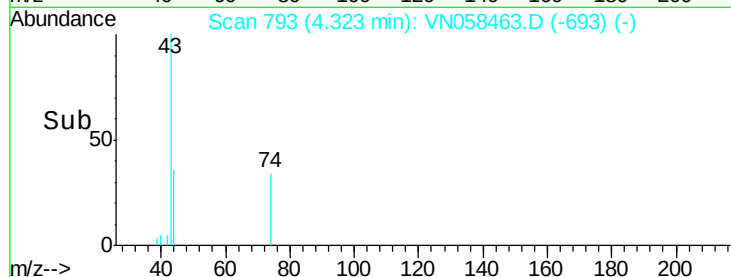
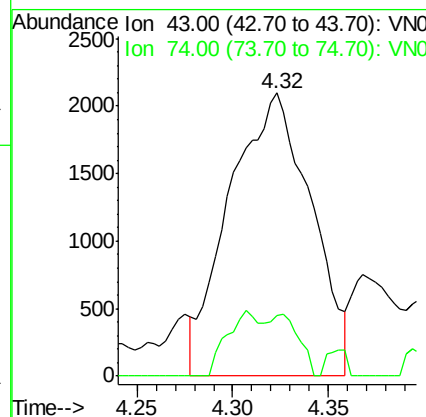
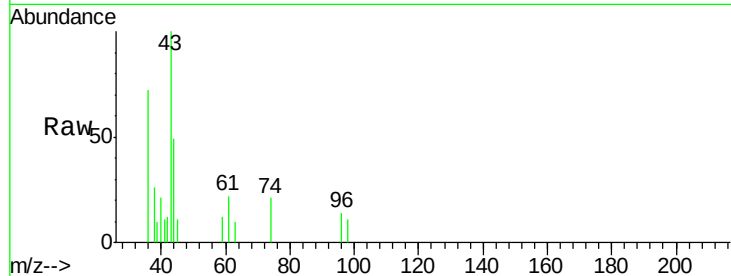
#18
Methvl Acetate
Concen: 1.067 ug/l m
RT: 4.32 min Scan# 793
Delta R.T. 0.02 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-5

Tot Ion: 43 Resp: 6190
Ion Ratio Lower Upper
43 100
74 10.0 18.0 27.0#

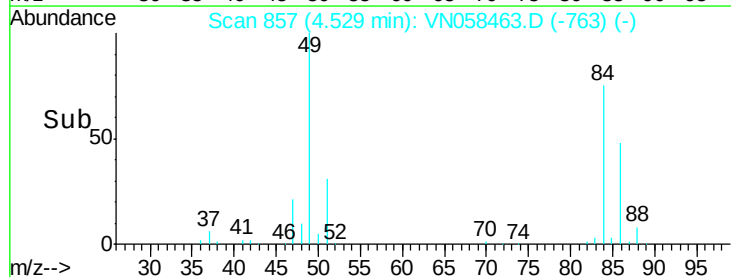
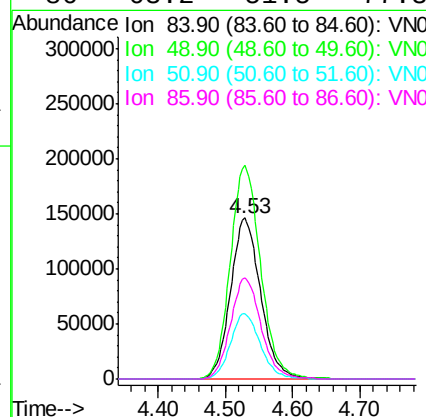
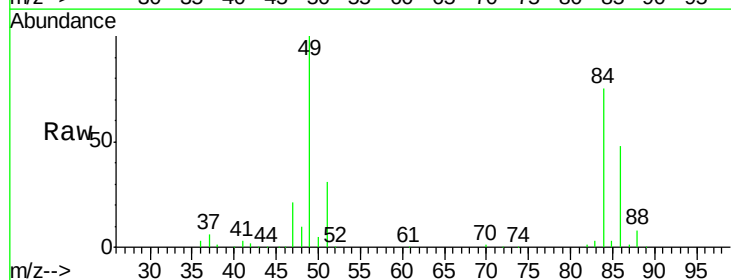
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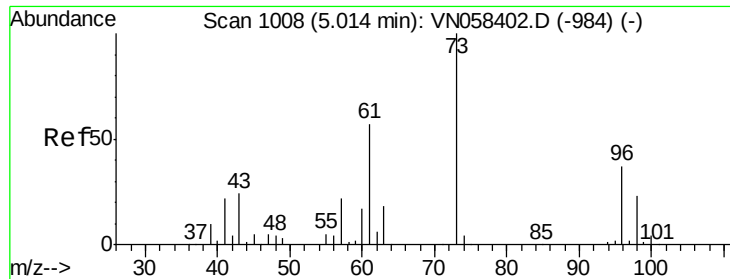
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#20
Methylene Chloride
Concen: 85.587 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Tgt Ion: 84 Resp: 455516
Ion Ratio Lower Upper
84 100
49 132.7 107.9 161.9
51 40.9 32.8 49.2
86 63.2 51.5 77.3





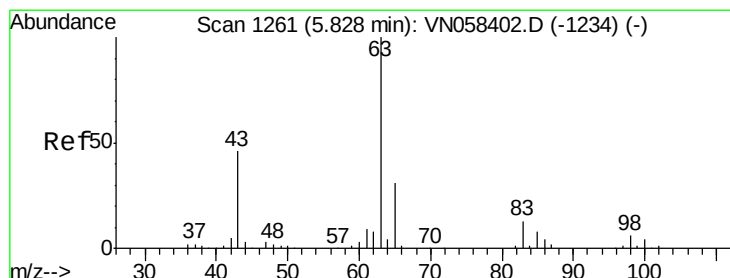
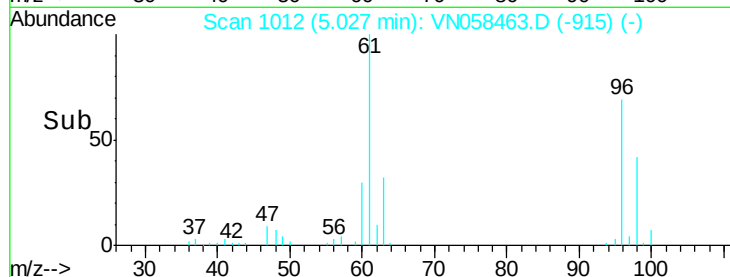
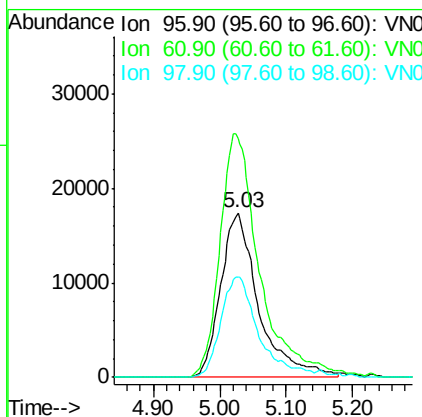
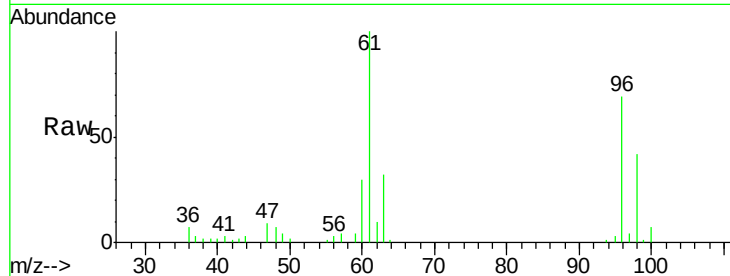
#21
trans-1,2-Dichloroethene
Concen: 14.291 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-5

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.2	121.9	182.9
98	61.1	49.3	73.9

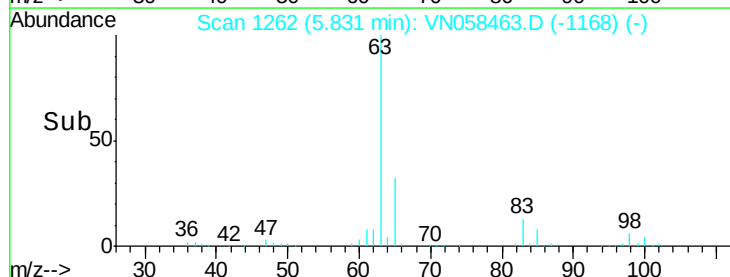
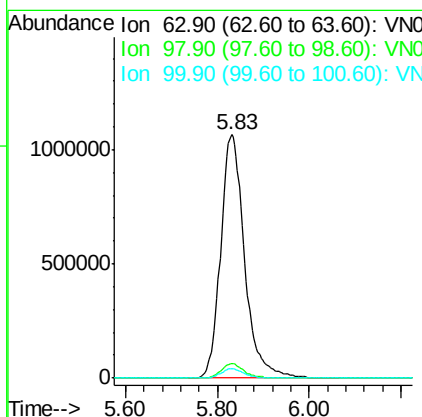
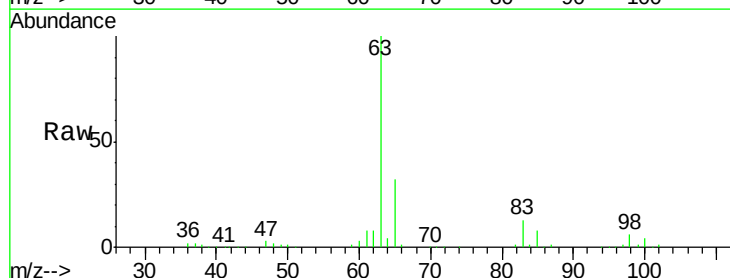
Manual Integrations
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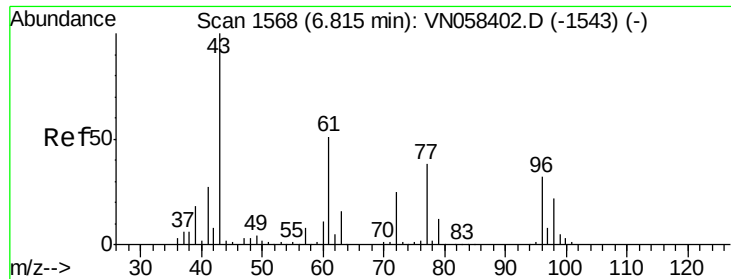
MMDadoda
10/3/2019 12:20:33 PM



#24
1,1-Dichloroethane
Concen: 399.334 ug/l
RT: 5.83 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.0	9.0
100	3.8	2.0	5.8





#25

2-Butanone

Concen: 19.784 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058463.D

Acq: 1 Oct 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-5

Tot Ion: 43 Resp: 62644

Ion Ratio Lower Upper

43 100

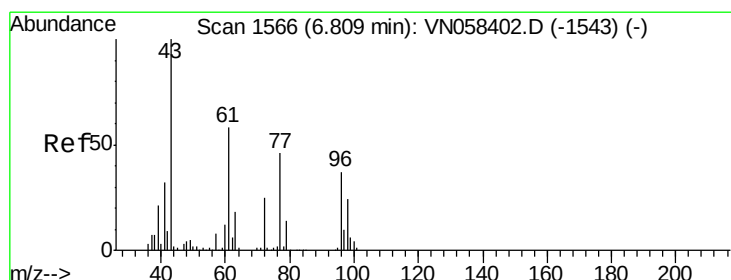
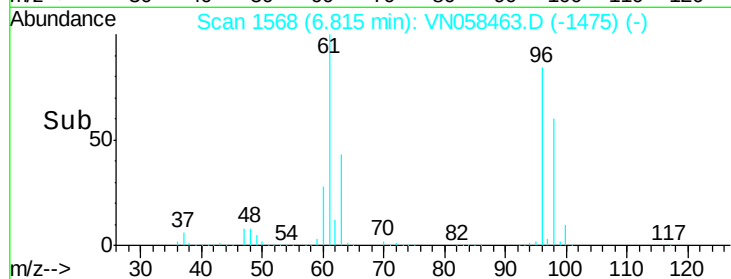
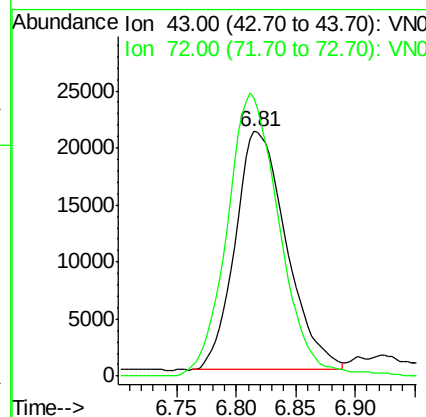
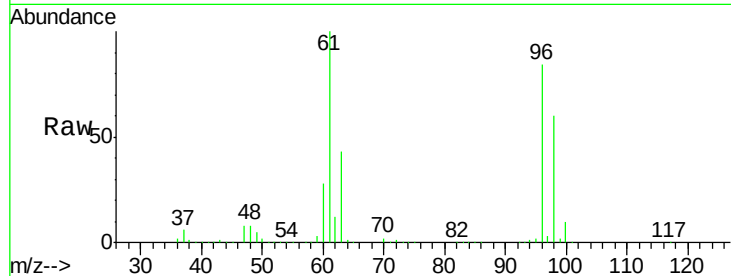
72 114.3 20.2 30.4#

Manual Integrations

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10/3/2019 12:20:33 PM



#27

cis-1,2-Dichloroethene

Concen: 907.226 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058463.D

Acq: 1 Oct 2019 14:24

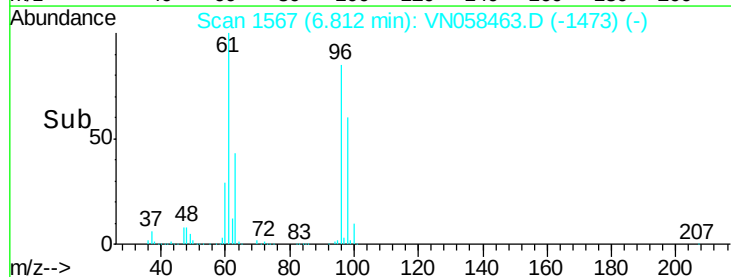
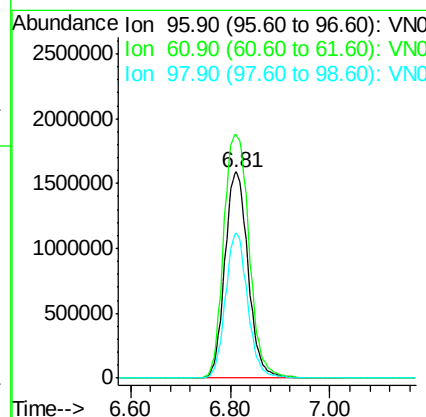
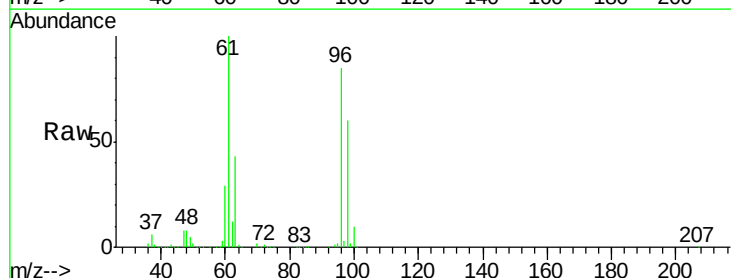
Tgt Ion: 96 Resp: 5149572

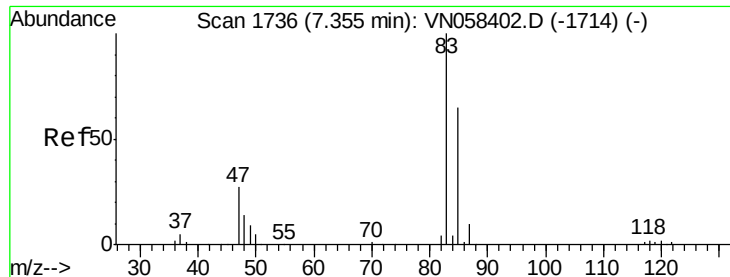
Ion Ratio Lower Upper

96 100

61 129.3 0.0 318.8

98 67.3 0.0 129.8





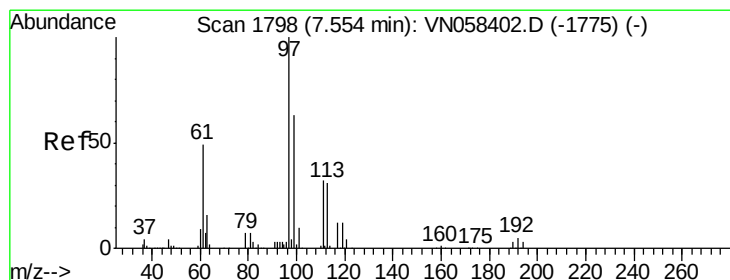
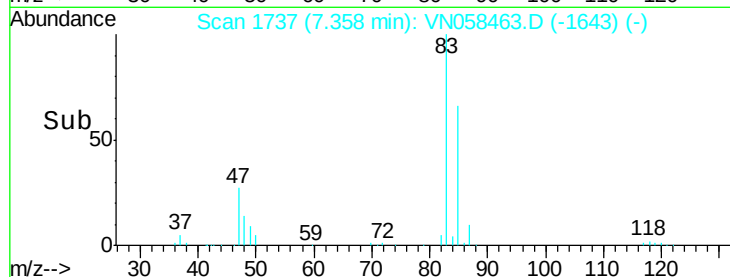
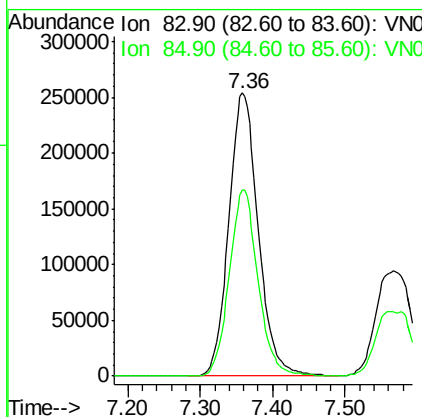
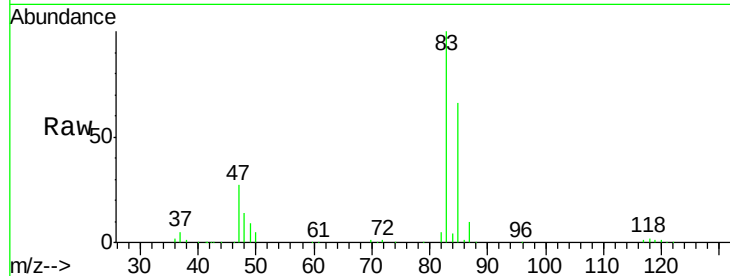
#30
Chloroform
Concen: 73.546 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-5

Tot Ion	83	85	Ratio	100	65.6	Resp	717369	Lower	52.0	Upper	78.0
Ion	83	85	Ratio	100	65.6	Resp	717369	Lower	52.0	Upper	78.0

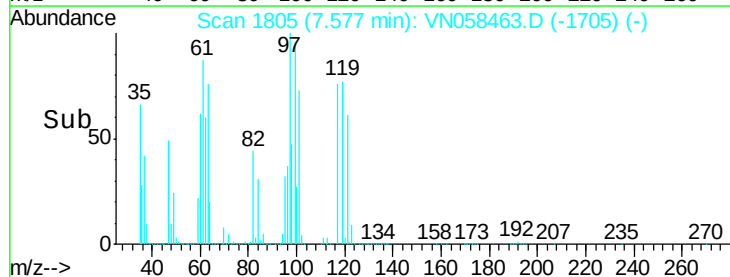
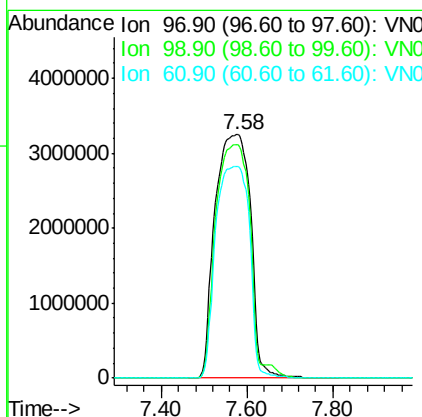
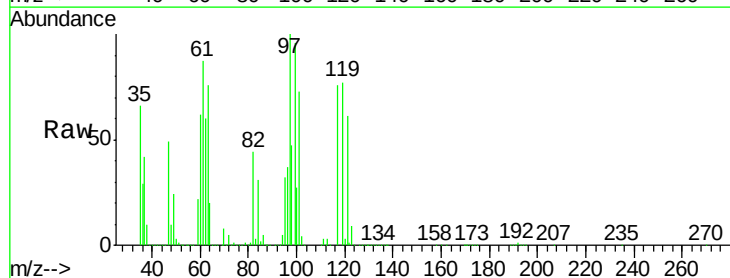
Manual Integrations
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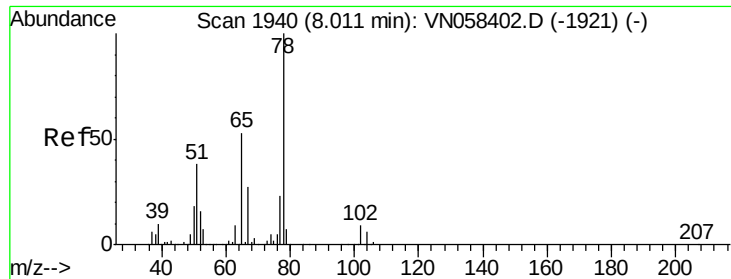
MMDadoda
10/3/2019 12:20:33 PM



#32
1,1,1-Trichloroethane
Concen: 2317.631 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.02 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Tgt Ion	97	99	61	Ratio	100	90.8	82.5	Resp	18563825	Lower	51.1	39.2	Upper	76.7#	58.8#
Ion	97	99	61	Ratio	100	90.8	82.5	Resp	18563825	Lower	51.1	39.2	Upper	76.7#	58.8#





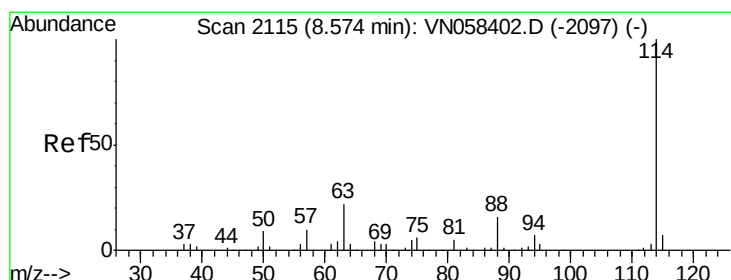
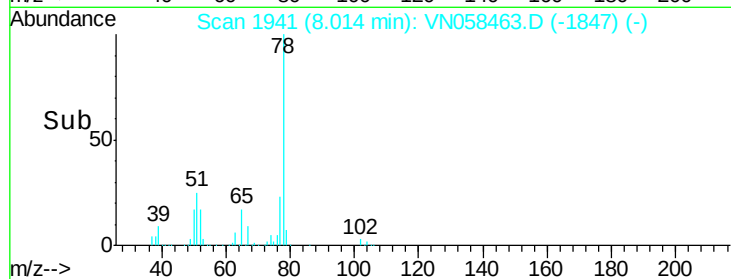
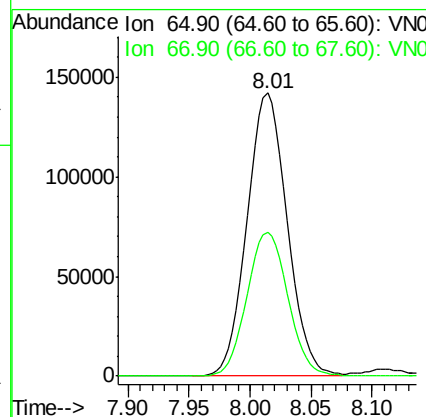
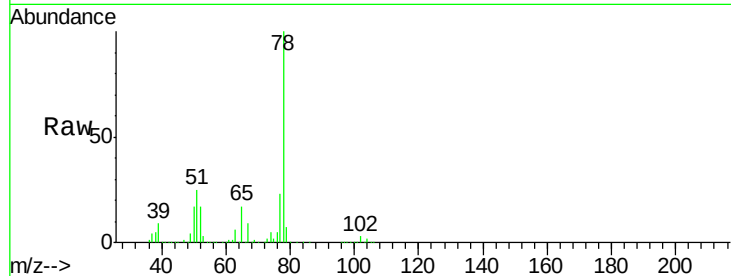
#33
 1,2-Dichloroethane-d4
 Concen: 47.814 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058463.D
 Acq: 1 Oct 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-5

Tot Ion	Ratio	Resp	Lower	Upper
65	100	323485		
67	52.0	0.0	102.4	

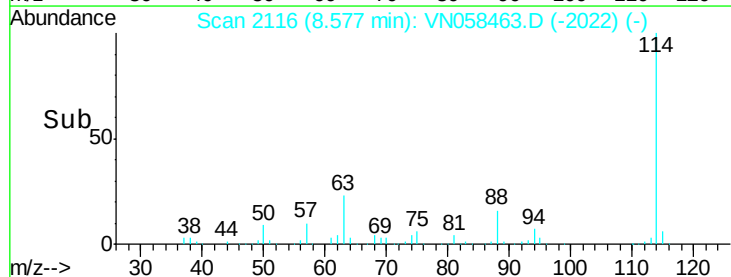
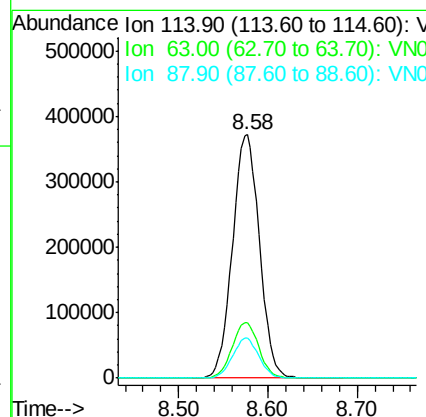
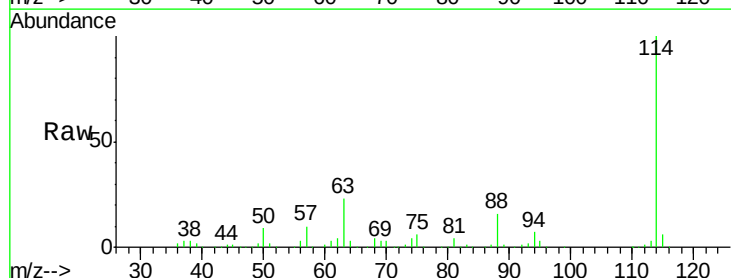
Manual Integrations
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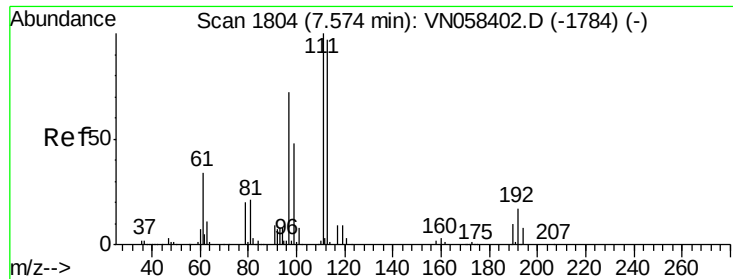
MMDadoda
 10/3/2019 12:20:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058463.D
 Acq: 1 Oct 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	777170		
63	22.7	0.0	45.0	
88	16.3	0.0	32.2	





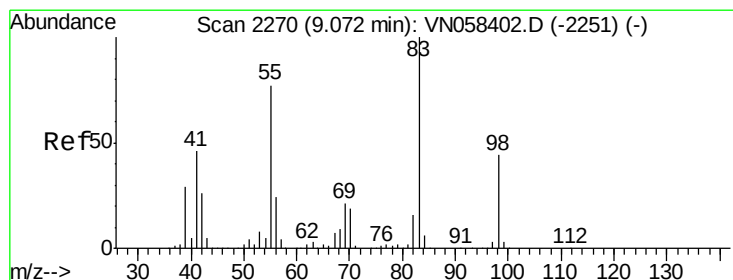
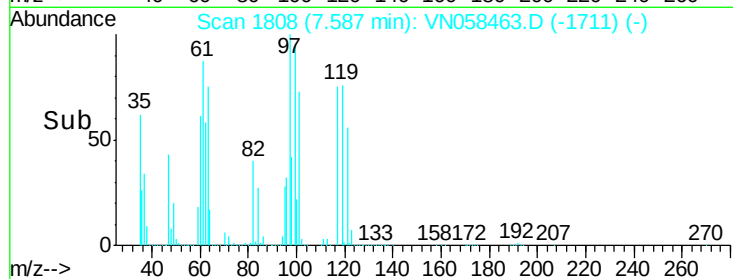
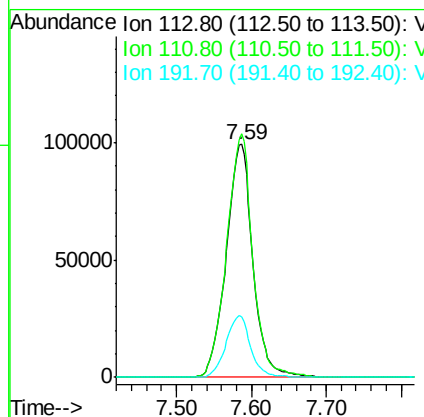
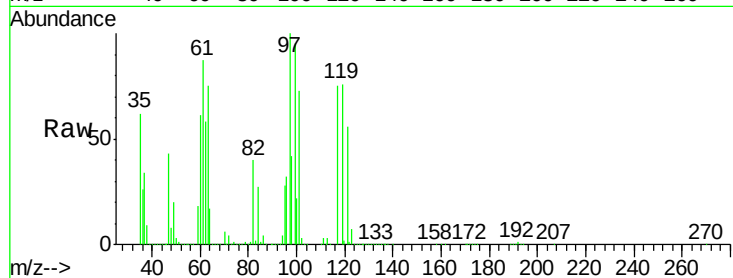
#35
Dibromofluoromethane
Concen: 51.474 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Instrument :
MSVOA_N
ClientSampled :
COMPOSITE-5

Tot Ion	Ratio	Resp	Lower	Upper
113	100	245183		
111	102.9	83.4	125.2	
192	24.4	14.9	22.3#	

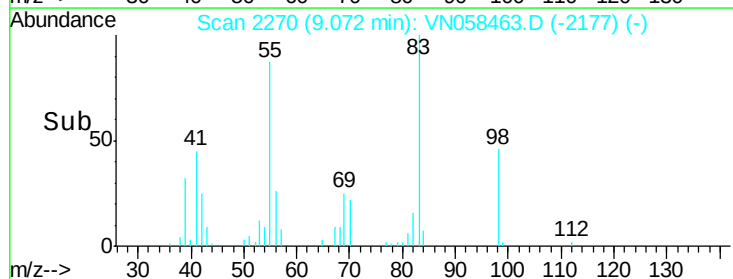
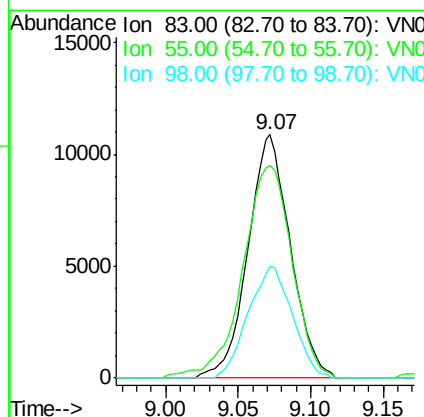
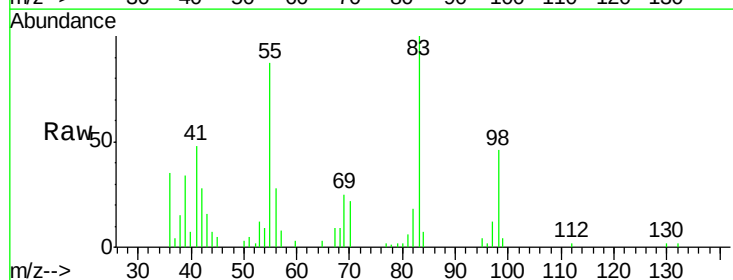
Manual Integrations
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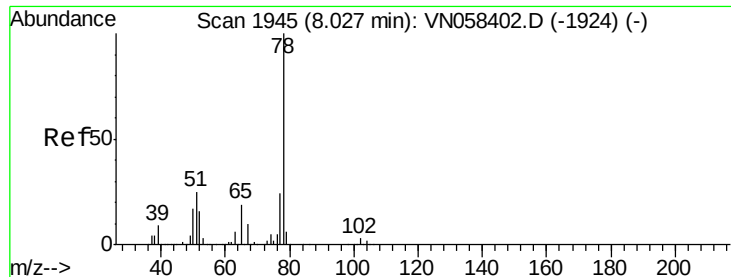
MMDadoda
10/3/2019 12:20:33 PM



#39
Methylcyclohexane
Concen: 2.549 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	22118		
55	87.3	61.8	92.6	
98	46.2	35.4	53.0	





#40

Benzene

Concen: 143.433 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN058463.D

Acq: 1 Oct 2019 14:24

Instrument :

MSVOA_N

ClientSampled :

COMPOSITE-5

Tot Ion: 78 Resp: 3063875

Ion Ratio Lower Upper

78 100

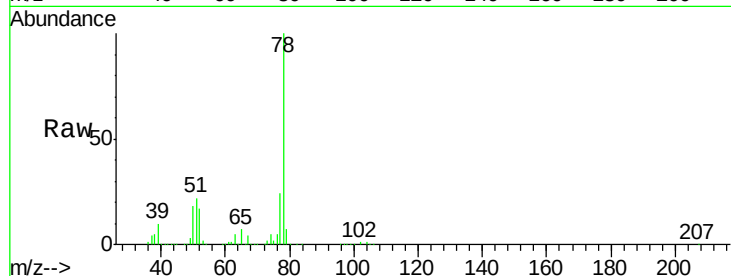
77 24.4 18.9 28.3

Manual Integrations

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Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

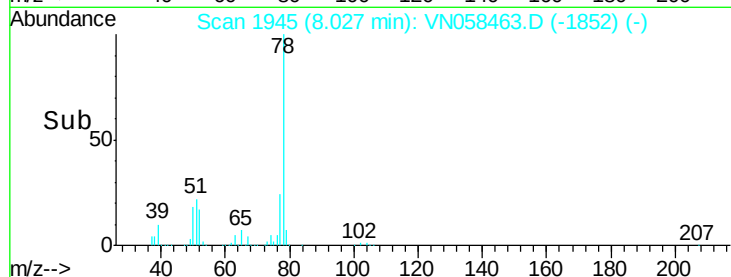
1500000

1000000

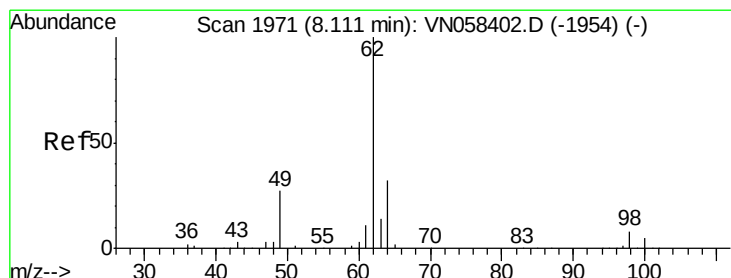
500000

0

Time-->



Time-->



#42

1,2-Dichloroethane

Concen: 22.470 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN058463.D

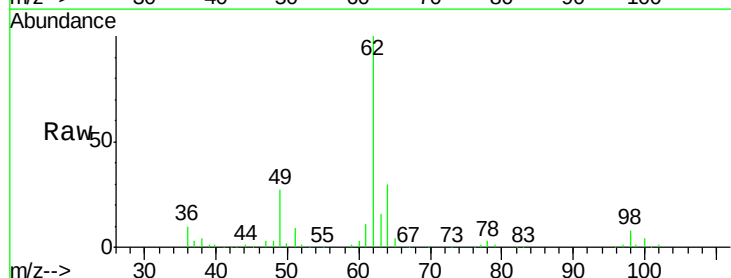
Acq: 1 Oct 2019 14:24

Tgt Ion: 62 Resp: 186736

Ion Ratio Lower Upper

62 100

98 7.8 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

80000

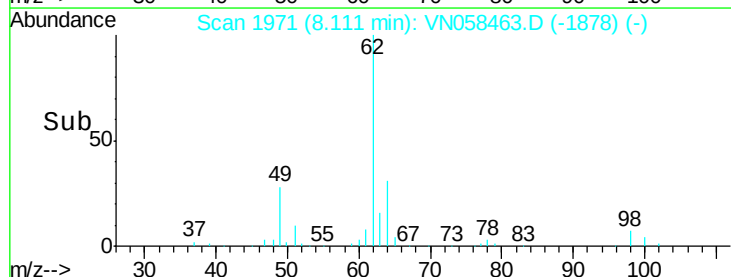
60000

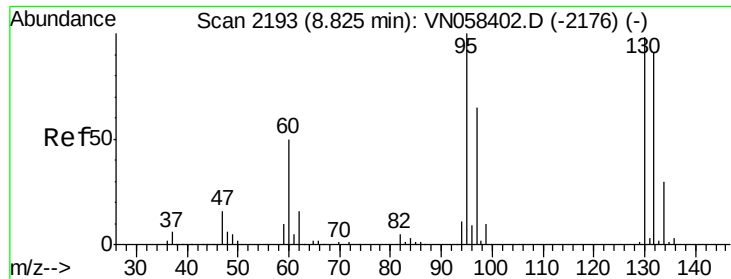
40000

20000

0

Time-->





#44

Trichloroethene

Concen: 1189.589 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058463.D

Acq: 1 Oct 2019 14:24

Instrument :

MSVOA_N

ClientSampled :

COMPOSITE-5

Tot Ion:130 Resp: 6274401

Ion Ratio Lower Upper

130 100

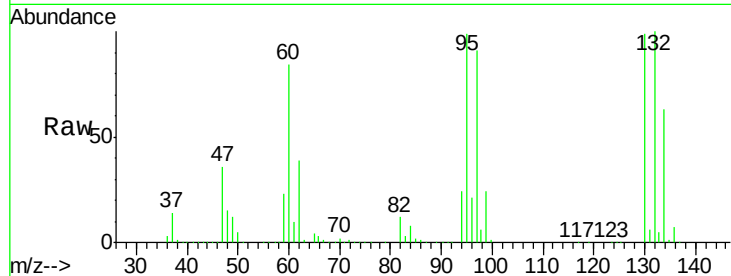
95 100.0 0.0 204.2

Manual Integrations

APPROVED

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10/3/2019 12:20:33 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.83

2500000

2000000

1500000

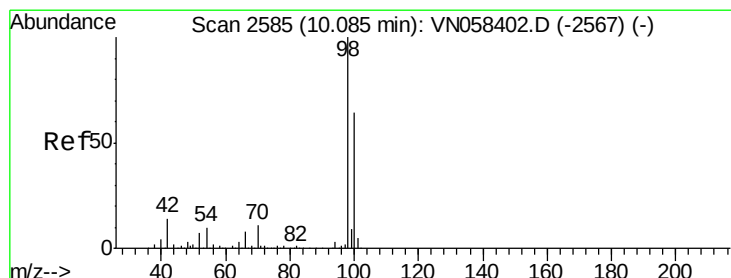
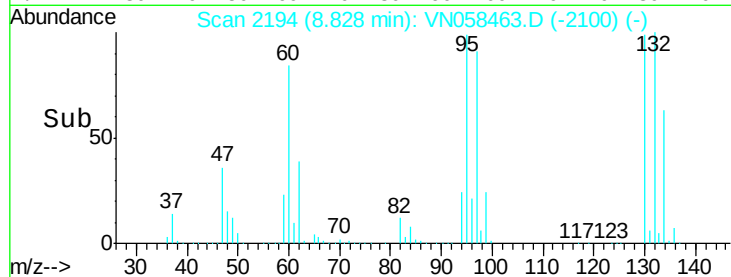
1000000

500000

0

8.70 8.80 8.90 9.00

Time-->



#50

Toluene-d8

Concen: 52.044 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058463.D

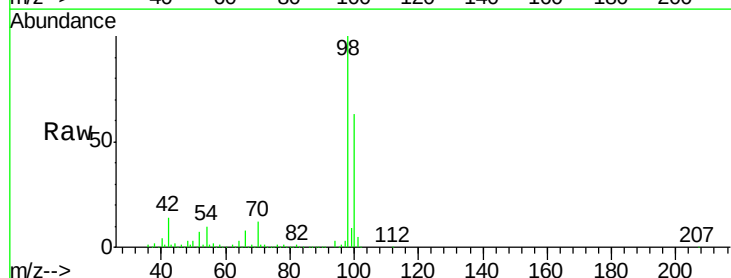
Acq: 1 Oct 2019 14:24

Tgt Ion: 98 Resp: 971113

Ion Ratio Lower Upper

98 100

100 63.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.09

600000

500000

400000

300000

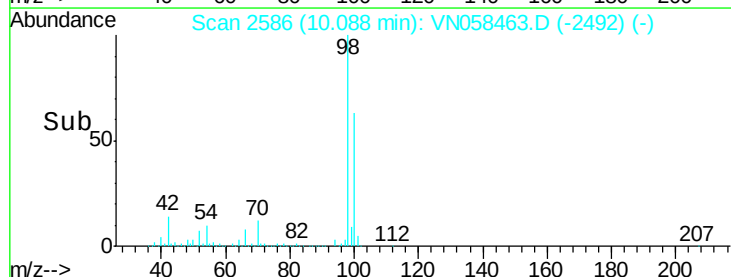
200000

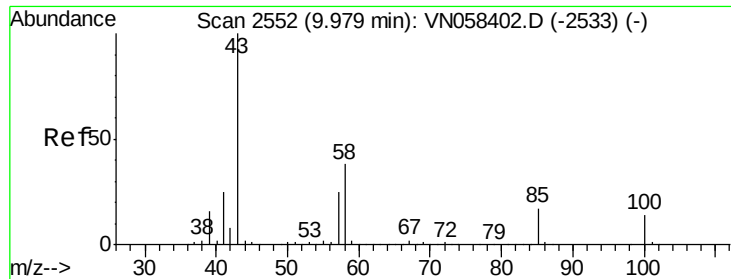
100000

0

10.00 10.10 10.20

Time-->





#51

4-Methyl-2-Pentanone

Concen: 98.561 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN058463.D

Acq: 1 Oct 2019 14:24

Instrument :

MSVOA_N

ClientSampled :

COMPOSITE-5

Tot Ion: 43 Resp: 599820

Ion Ratio Lower Upper

43 100

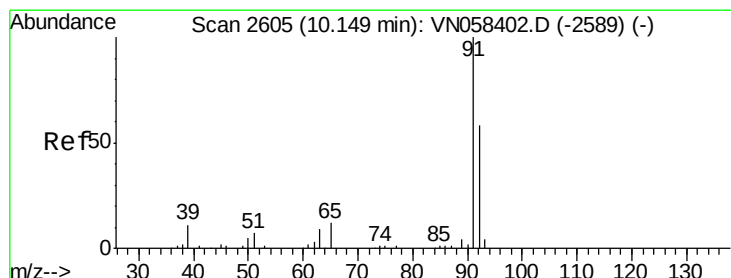
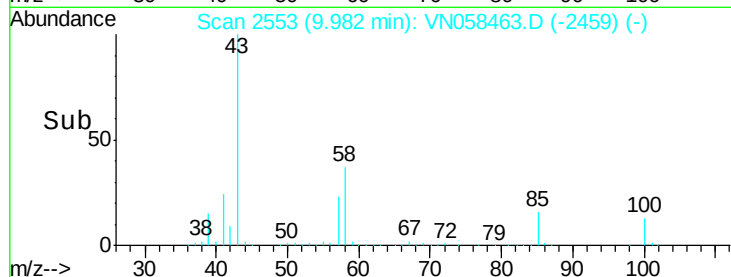
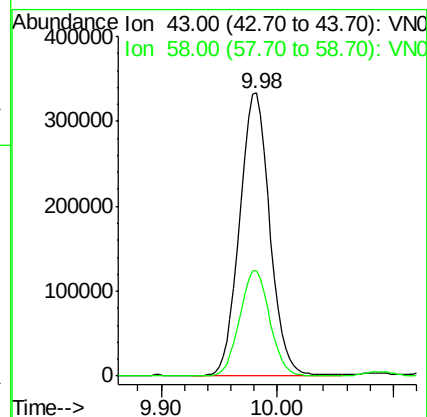
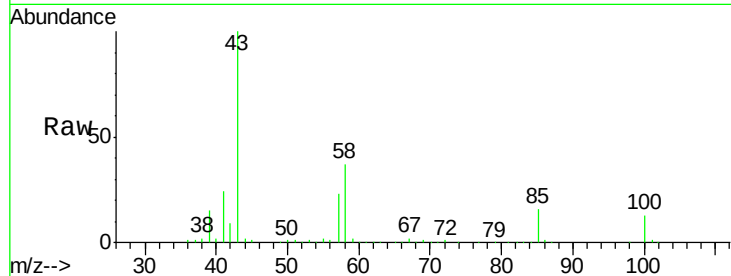
58 37.4 30.2 45.2

Manual Integrations

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10/3/2019 12:20:33 PM



#52

Toluene

Concen: 538.954 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058463.D

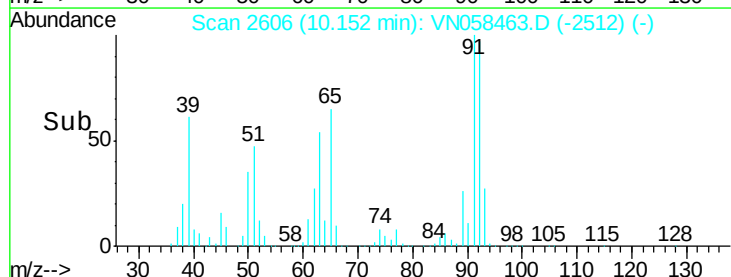
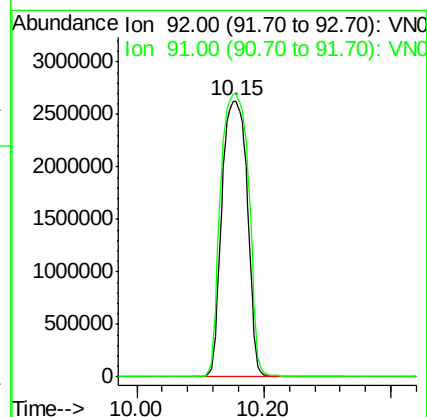
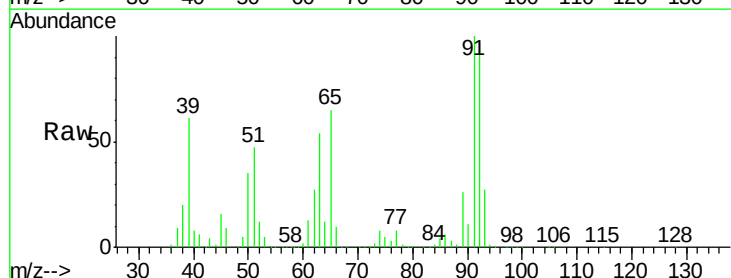
Acq: 1 Oct 2019 14:24

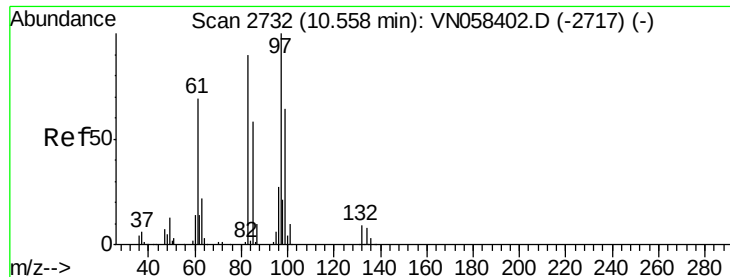
Tgt Ion: 92 Resp: 7246347

Ion Ratio Lower Upper

92 100

91 114.0 140.2 210.4#





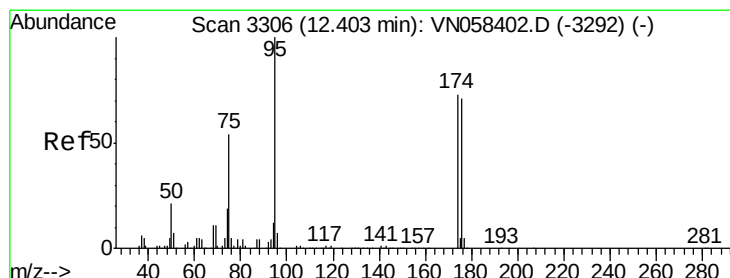
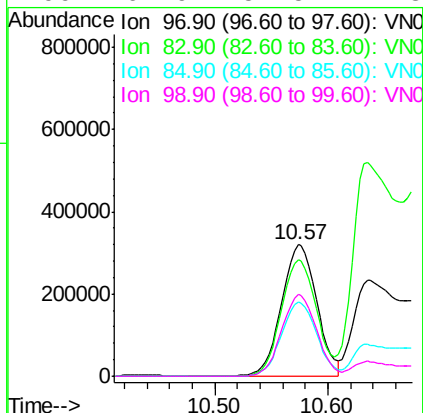
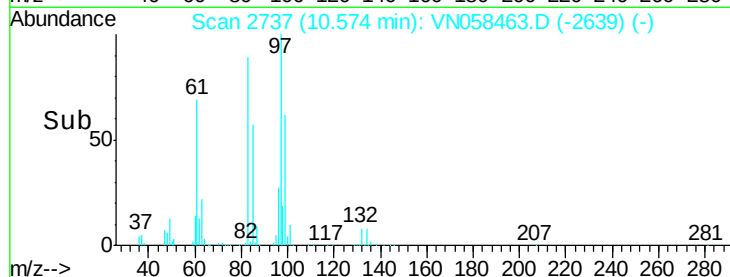
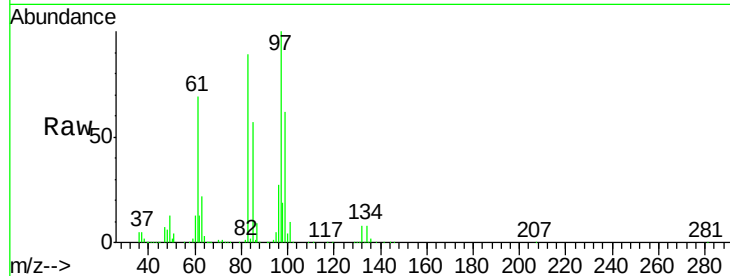
#55
 1,1,2-Trichloroethane
 Concen: 141.728 ug/l
 RT: 10.57 min Scan# 2737
 Delta R.T. 0.02 min
 Lab File: VN058463.D
 Acq: 1 Oct 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		693851		
83	88.8	71.8	107.6		
85	56.5	46.6	69.8		
99	61.9	51.5	77.3		

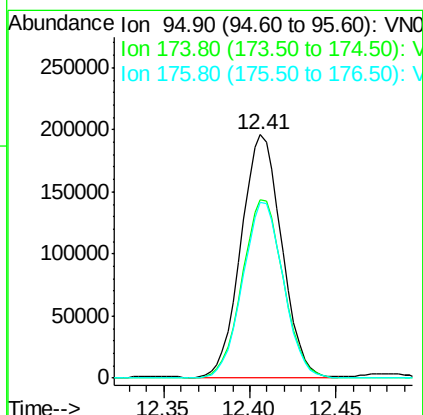
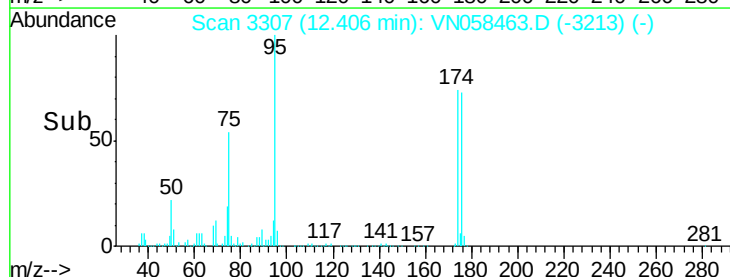
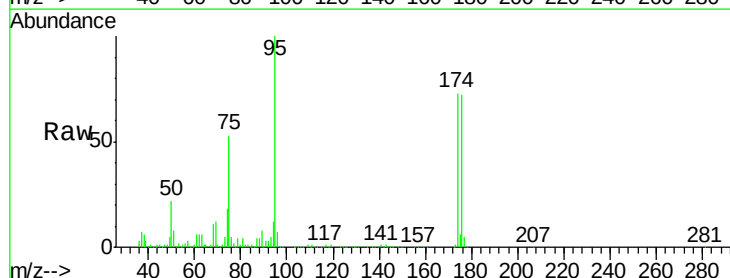
Manual Integrations
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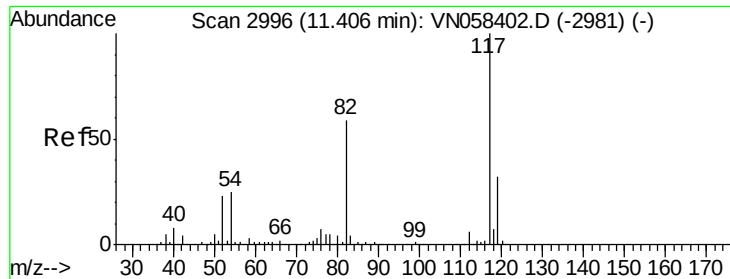
MMDadoda
 10/3/2019 12:20:33 PM



#62
 4-Bromofluorobenzene
 Concen: 47.489 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058463.D
 Acq: 1 Oct 2019 14:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	100		320401		
174	75.0	0.0	150.6		
176	72.7	0.0	146.2		





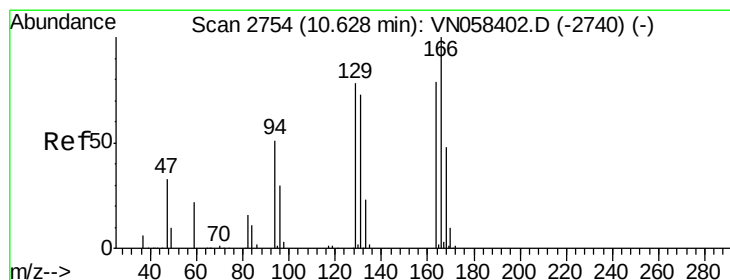
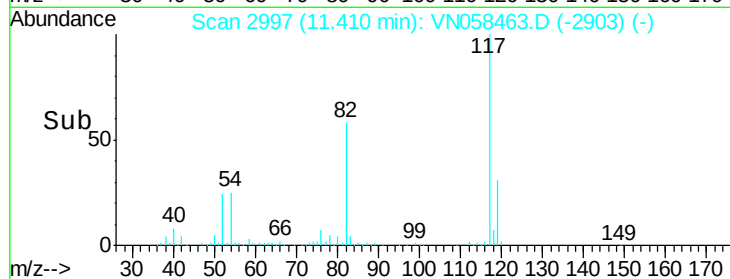
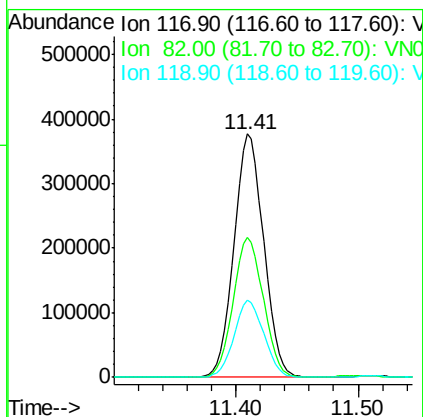
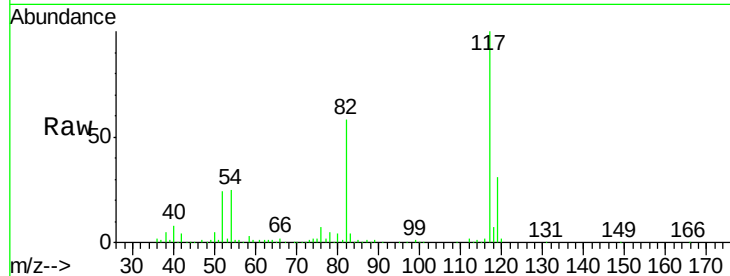
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-5

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.4	71.0
119	31.5	25.5	38.3

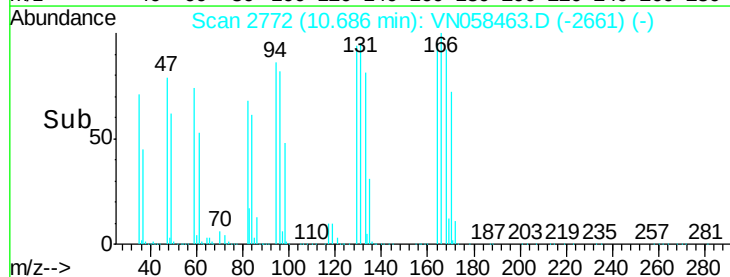
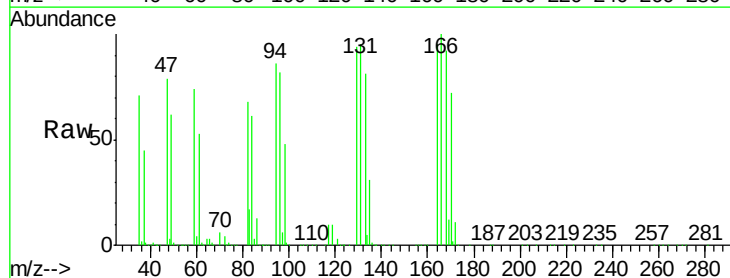
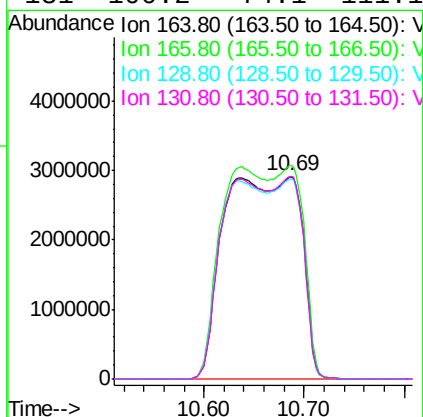
Manual Integrations
APPROVED

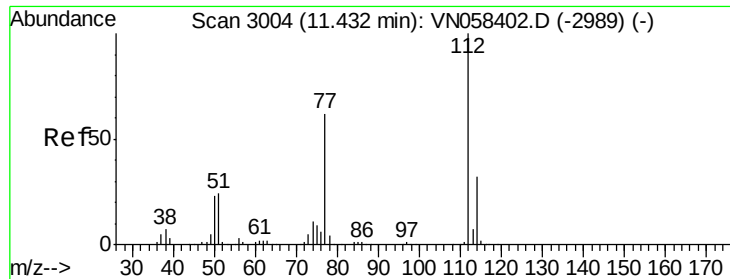
MMDadoda
10/3/2019 12:20:33 PM



#64
Tetrachloroethene
Concen: 3833.069 ug/l m
RT: 10.69 min Scan# 2772
Delta R.T. 0.06 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	105.6	101.1	151.7
129	99.0	79.2	118.8
131	100.2	74.1	111.1





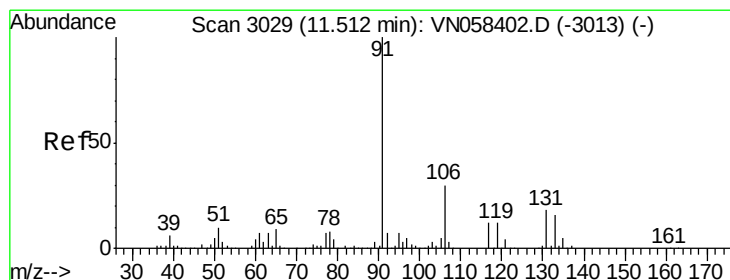
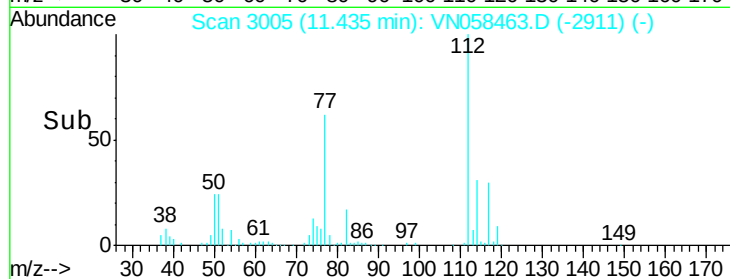
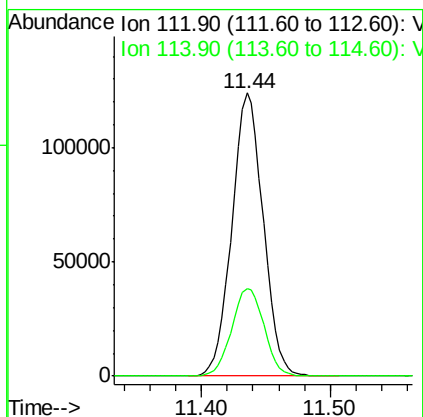
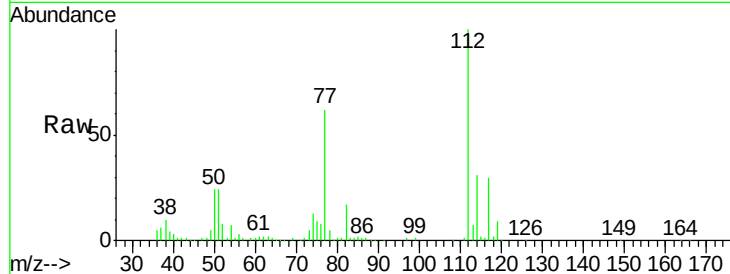
#65
Chlorobenzene
Concen: 16.518 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-5

Tot Ion:112 Resp: 208986
Ion Ratio Lower Upper
112 100
114 31.1 25.4 38.2

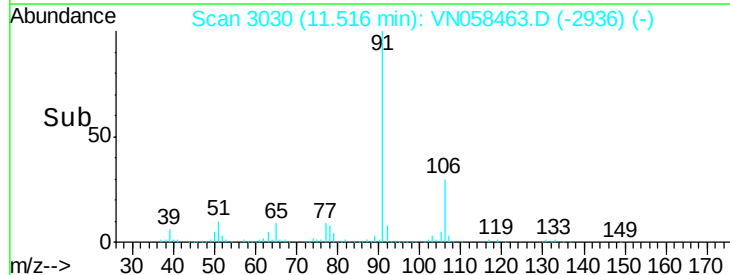
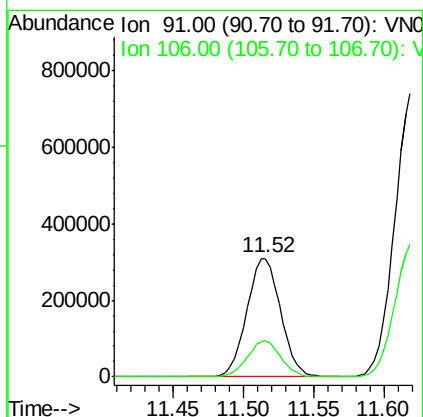
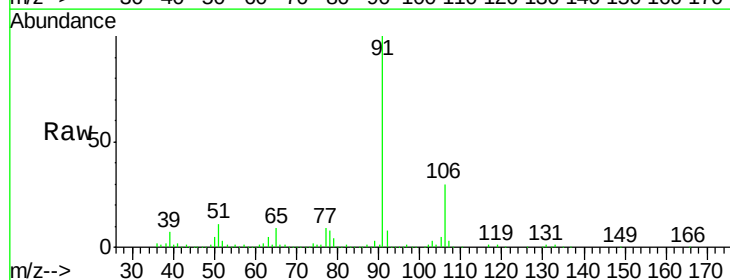
Manual Integrations
APPROVED

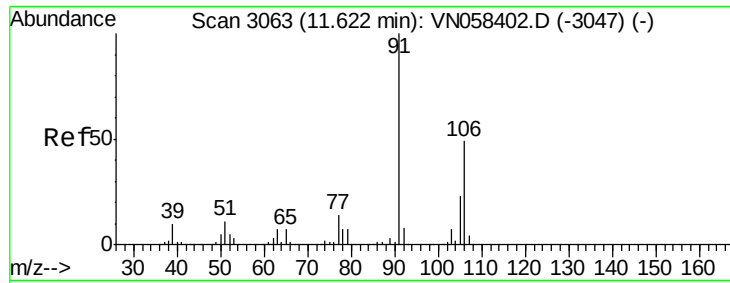
MMDadoda
10/3/2019 12:20:33 PM



#67
Ethyl Benzene
Concen: 22.750 ug/l
RT: 11.52 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Tgt Ion: 91 Resp: 521337
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5





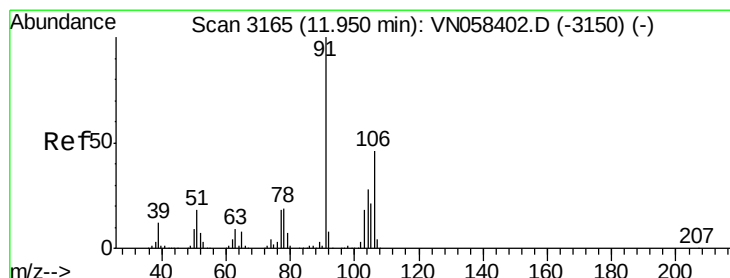
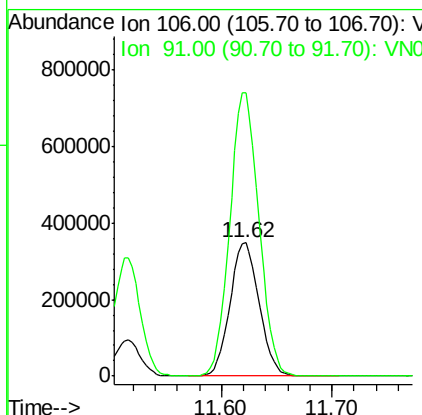
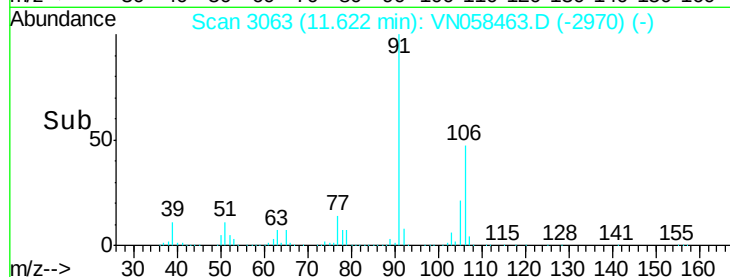
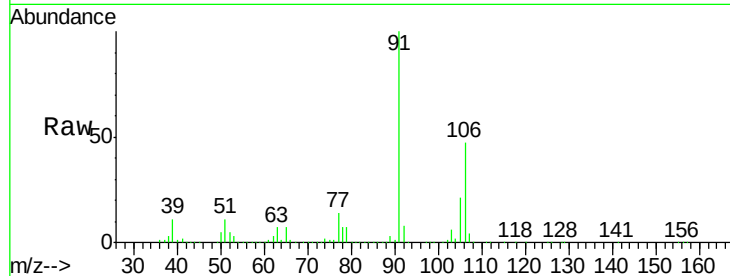
#68
m/p-Xylenes
Concen: 73.934 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Instrument :
MSVOA_N
ClientSampled :
COMPOSITE-5

Tot Ion:106 Resp: 637462
Ion Ratio Lower Upper
106 100
91 212.1 165.0 247.4

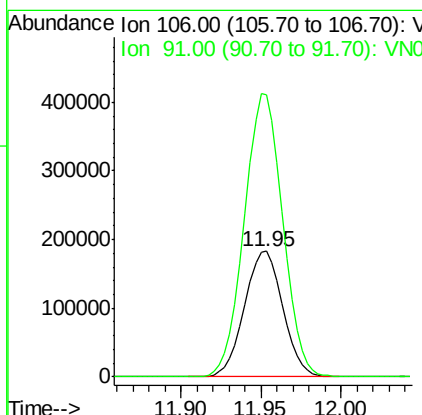
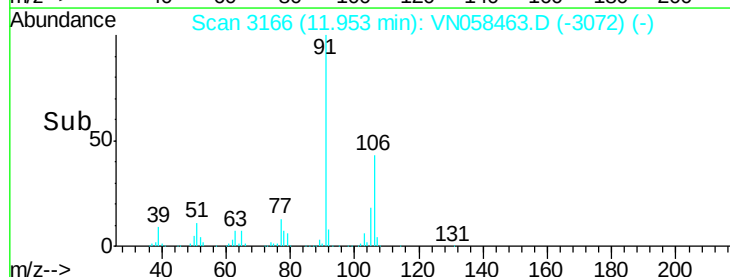
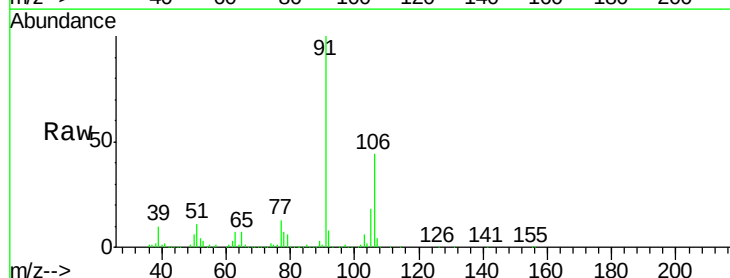
Manual Integrations
APPROVED

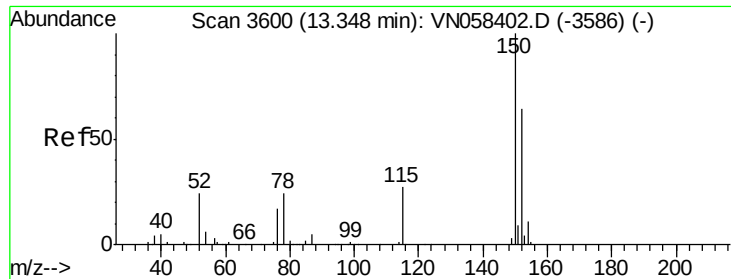
MMDadoda
10/3/2019 12:20:33 PM



#69
o-Xylene
Concen: 36.173 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Tgt Ion:106 Resp: 300238
Ion Ratio Lower Upper
106 100
91 226.1 109.1 327.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058463.D

Acq: 1 Oct 2019 14:24

Instrument :

MSVOA_N

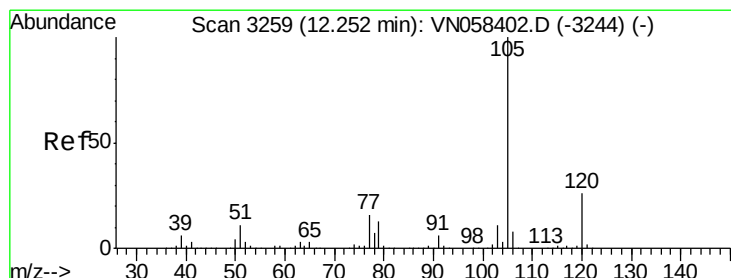
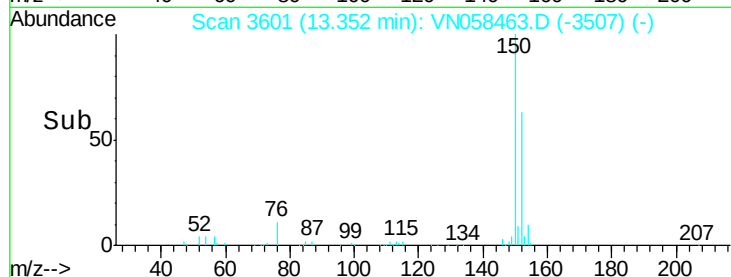
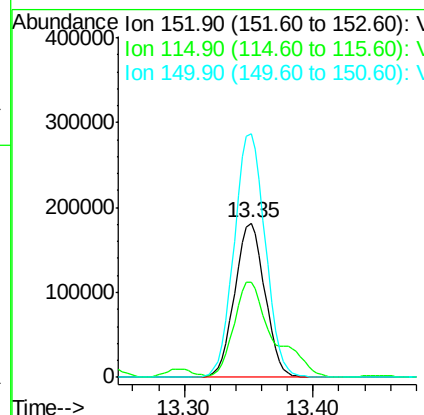
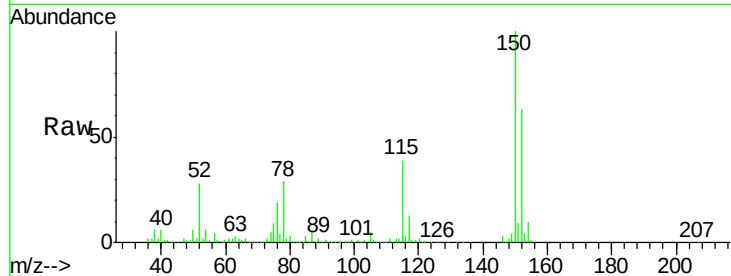
ClientSampleId :

COMPOSITE-5

Tot Ion:	152	Resp:	295051
Ion Ratio	Lower	Upper	
152	100		
115	79.8	30.0	90.0
150	162.3	0.0	348.2

Manual Integrations
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#73

Isopropylbenzene

Concen: 9.497 ug/l

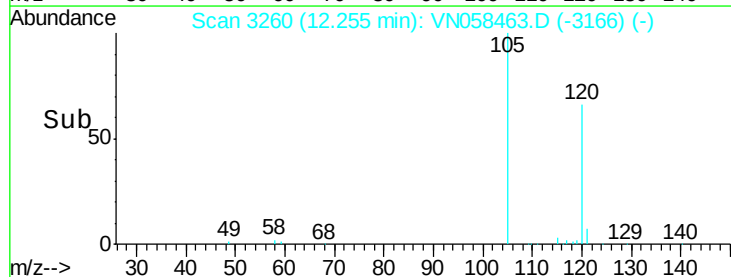
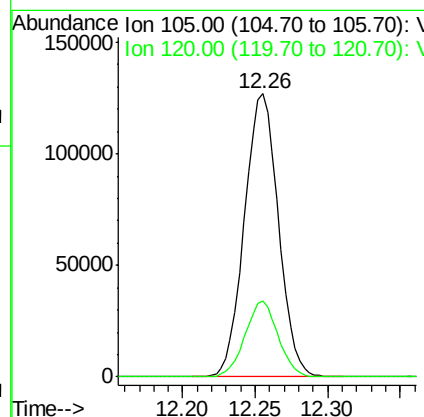
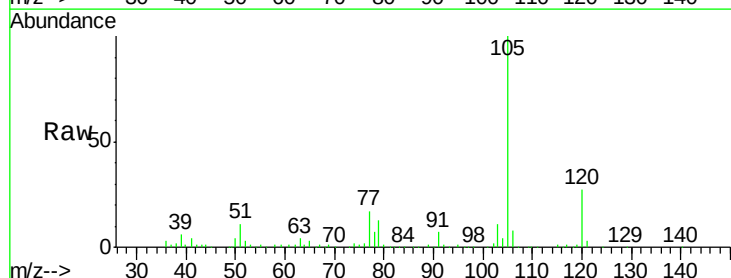
RT: 12.26 min Scan# 3260

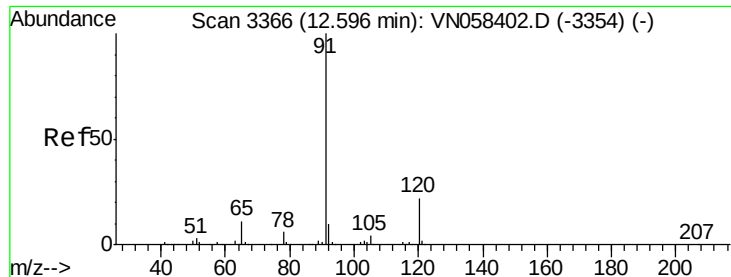
Delta R.T. 0.00 min

Lab File: VN058463.D

Acq: 1 Oct 2019 14:24

Tgt Ion:	105	Resp:	207081
Ion Ratio	Lower	Upper	
105	100		
120	26.0	12.8	38.4





#78

n-propylbenzene

Concen: 40.929 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058463.D

Acq: 1 Oct 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-5

Tot Ion: 91 Resp: 1005442

Ion Ratio Lower Upper

91 100

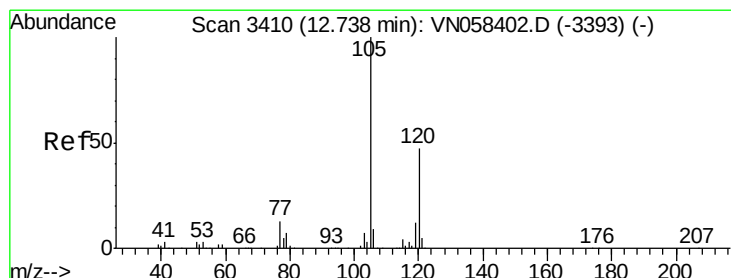
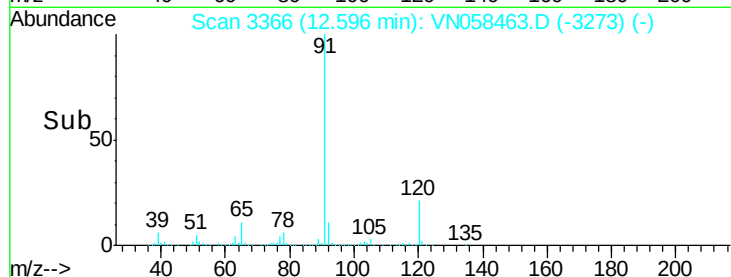
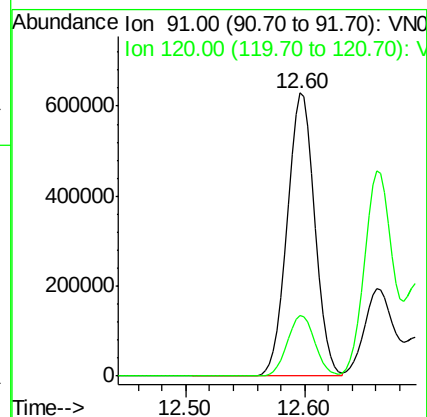
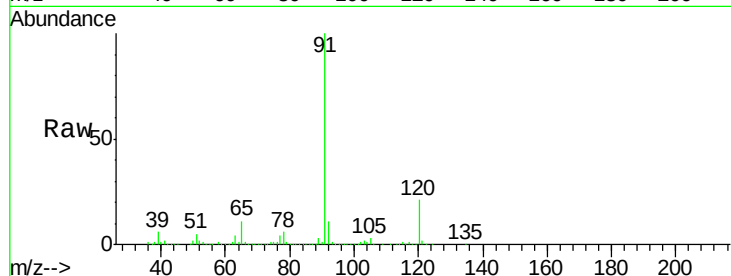
120 21.7 10.9 32.9

Manual Integrations

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10/3/2019 12:20:33 PM



#80

1,3,5-Trimethylbenzene

Concen: 72.306 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058463.D

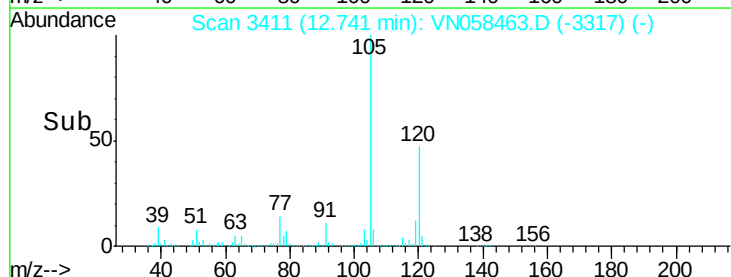
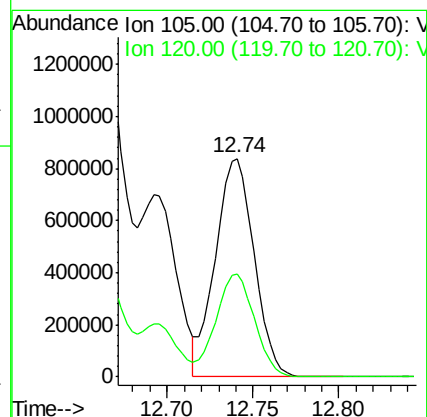
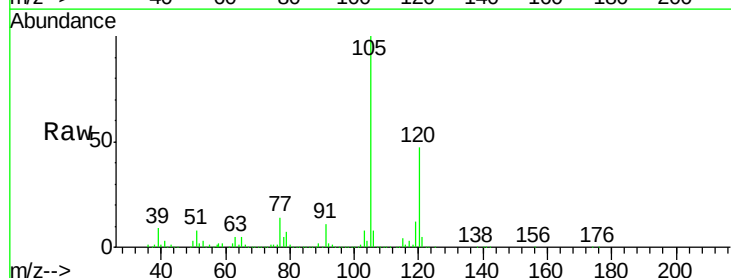
Acq: 1 Oct 2019 14:24

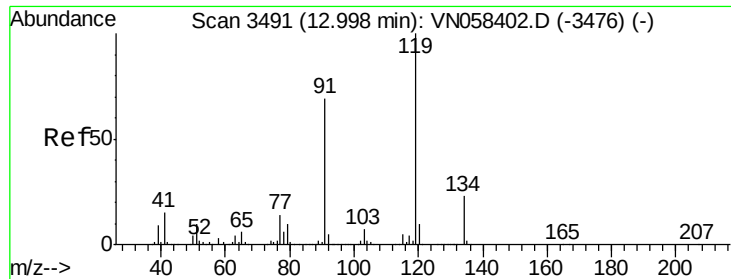
Tgt Ion: 105 Resp: 1319802

Ion Ratio Lower Upper

105 100

120 47.0 23.5 70.6





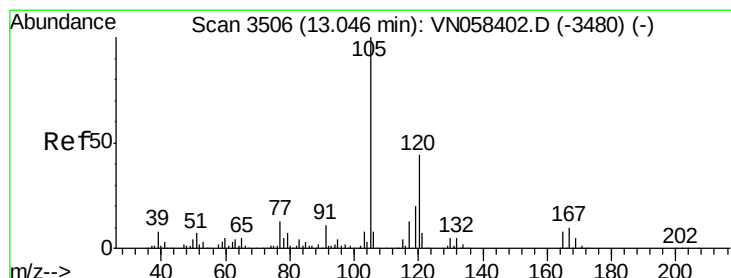
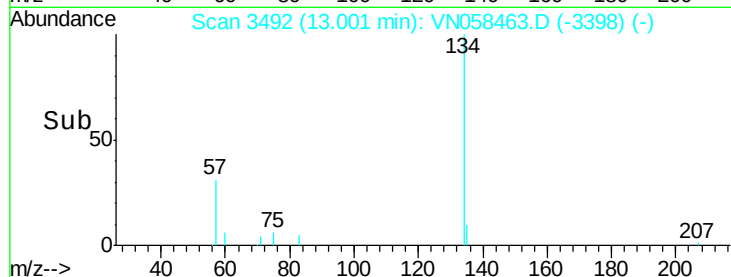
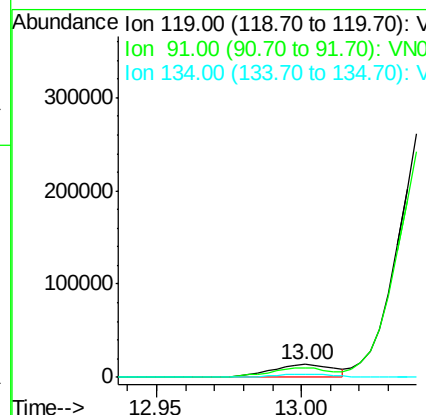
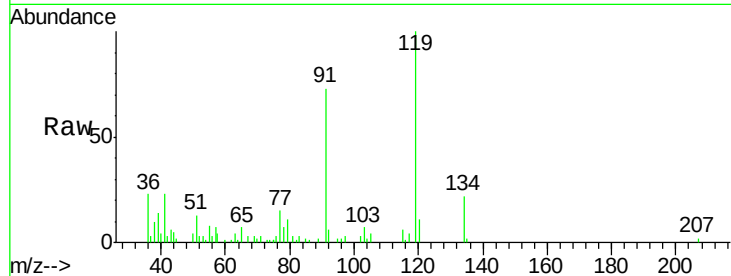
#83
tert-Butylbenzene
Concen: 1.367 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-5

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.2	34.2	102.6
134	23.0	11.6	34.8

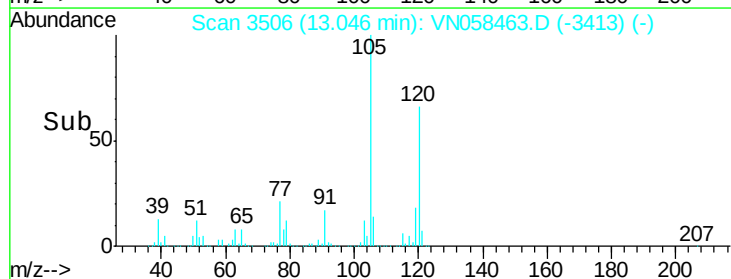
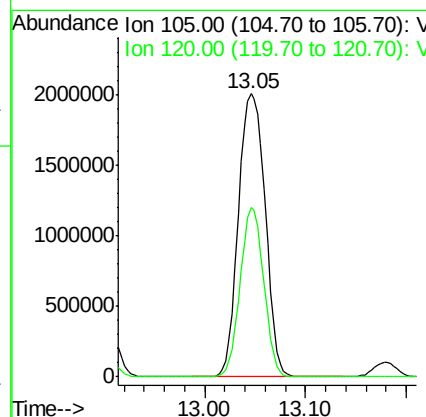
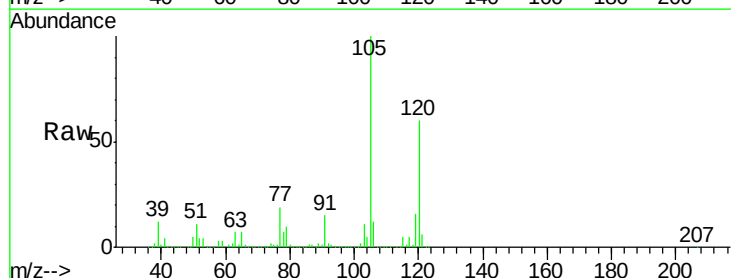
Manual Integrations
APPROVED

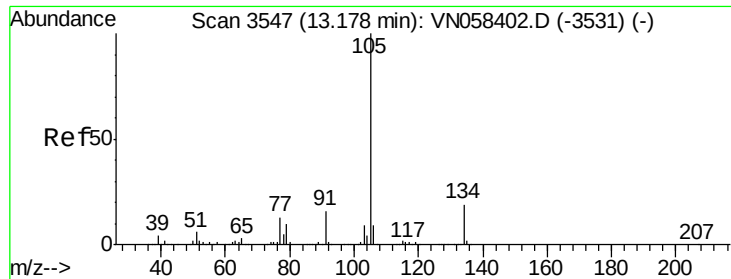
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10/3/2019 12:20:33 PM



#84
1,2,4-Trimethylbenzene
Concen: 202.146 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.9	21.7	65.1





#85

sec-Butylbenzene

Concen: 8.157 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058463.D

Acq: 1 Oct 2019 14:24

Instrument :

MSVOA_N

ClientSampled :

COMPOSITE-5

Tot Ion:105 Resp: 165364

Ion Ratio Lower Upper

105 100

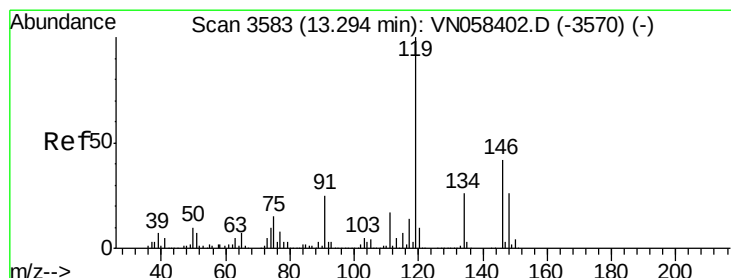
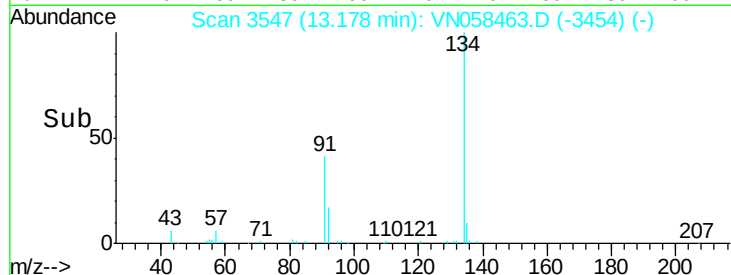
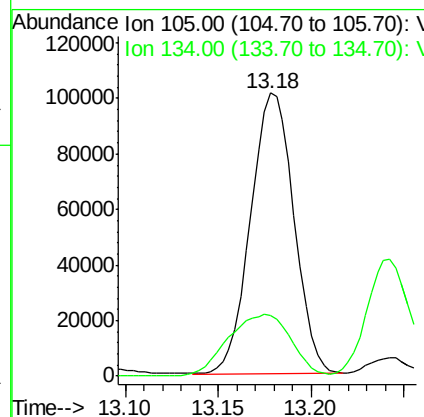
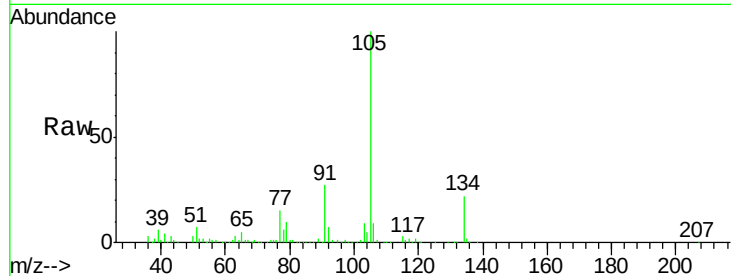
134 31.8 9.4 28.2#

Manual Integrations

APPROVED

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10/3/2019 12:20:33 PM



#86

p-Isopropyltoluene

Concen: 11.056 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058463.D

Acq: 1 Oct 2019 14:24

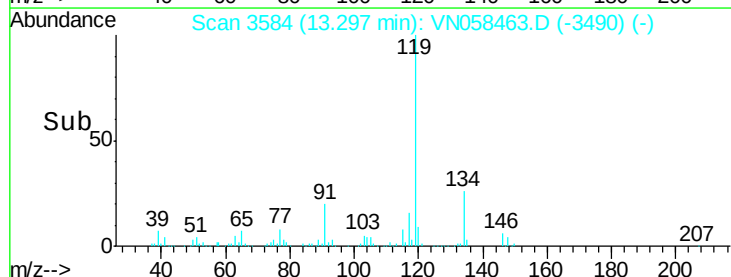
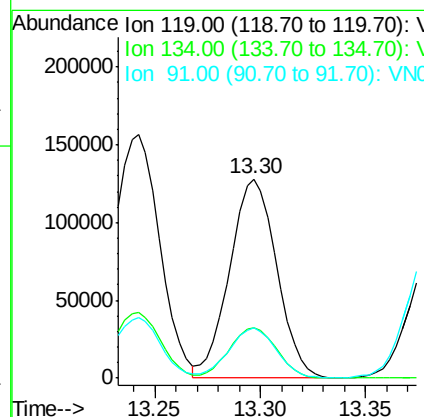
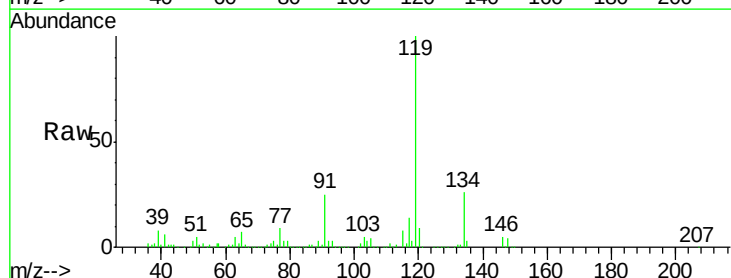
Tgt Ion:119 Resp: 197285

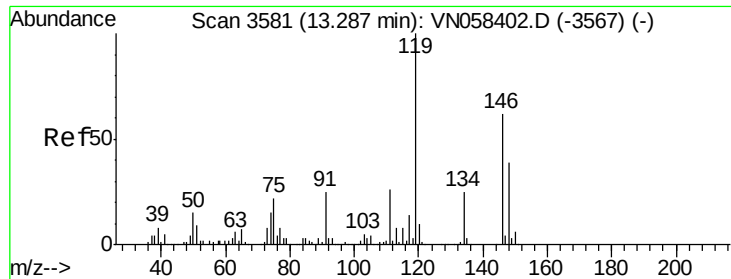
Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

91 24.7 12.4 37.0





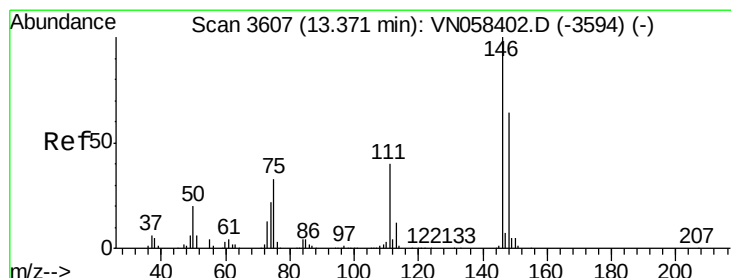
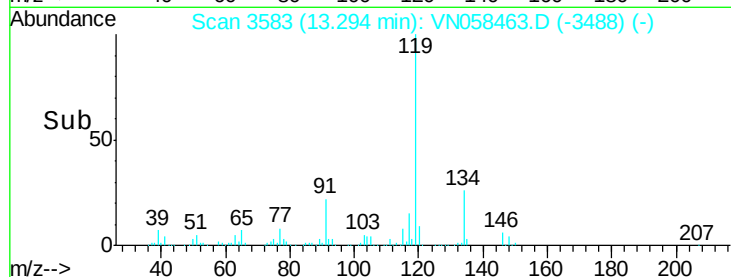
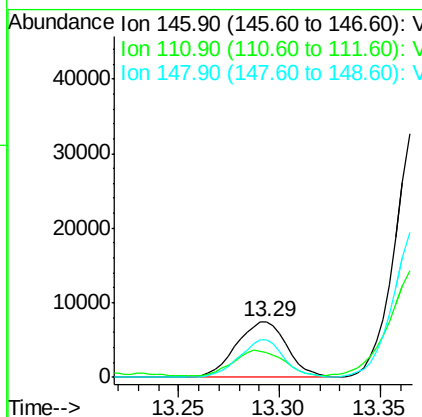
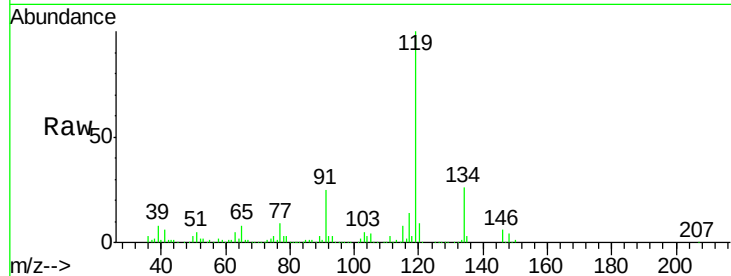
#87
 1,3-Dichlorobenzene
 Concen: 1.410 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.01 min
 Lab File: VN058463.D
 Acq: 1 Oct 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-5

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.4	20.8	62.4
148	59.6	31.4	94.3

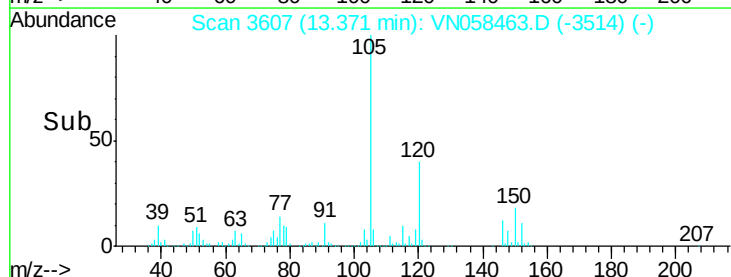
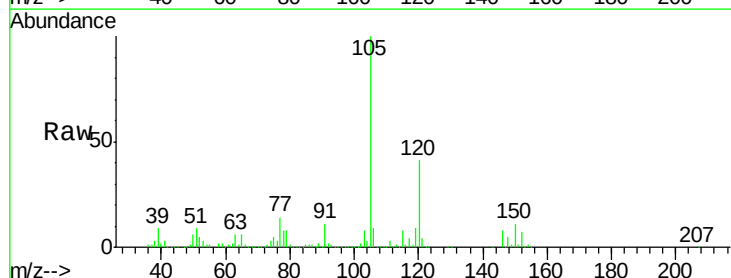
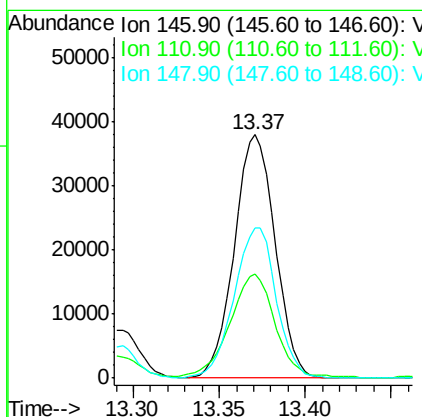
Manual Integrations
 APPROVED

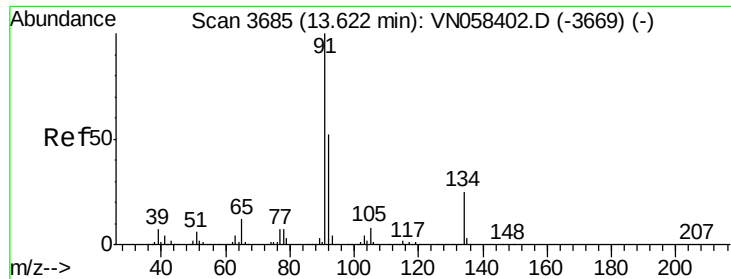
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#88
 1,4-Dichlorobenzene
 Concen: 6.790 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058463.D
 Acq: 1 Oct 2019 14:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.9	20.5	61.6
148	63.7	31.5	94.5





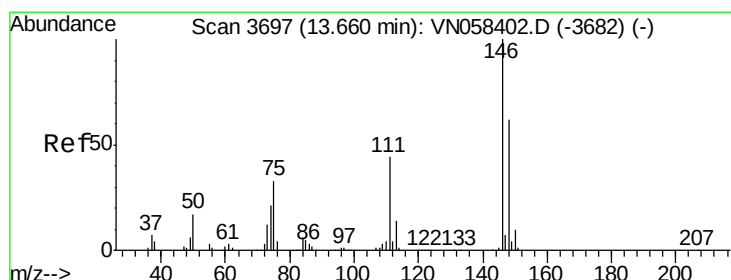
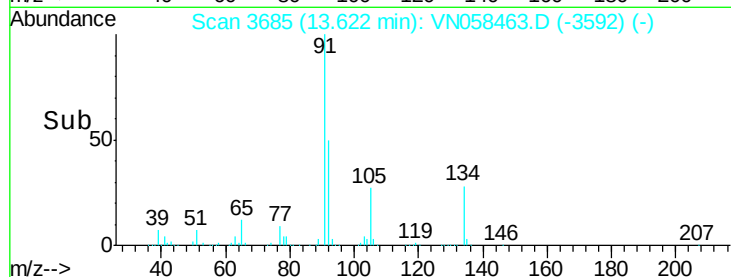
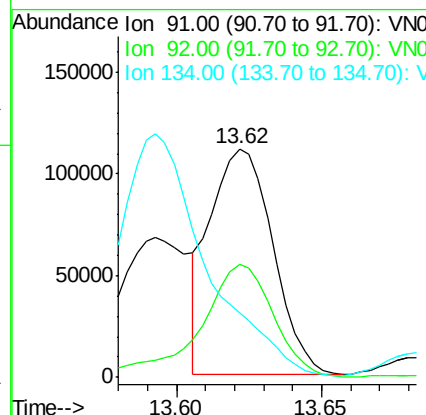
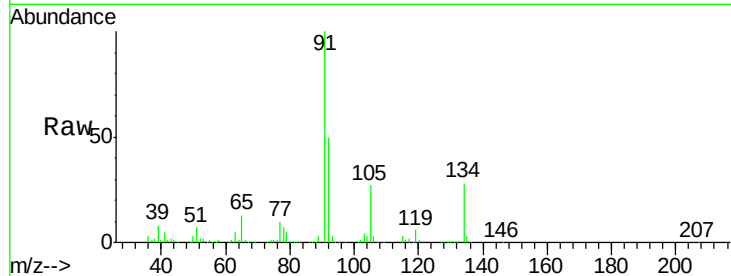
#89
n-Butylbenzene
Concen: 10.300 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-5

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.3	25.7	77.1
134	0.0	12.2	36.6#

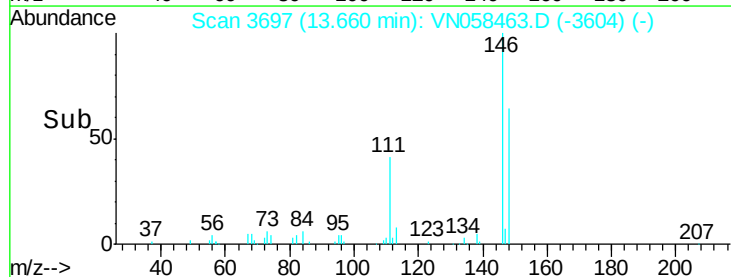
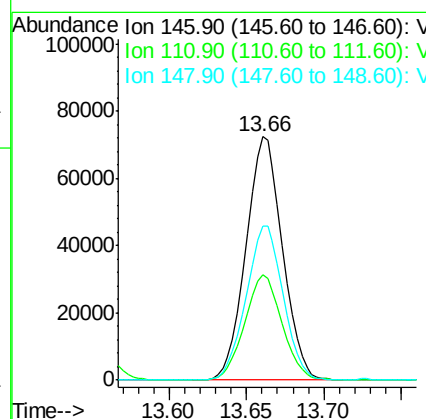
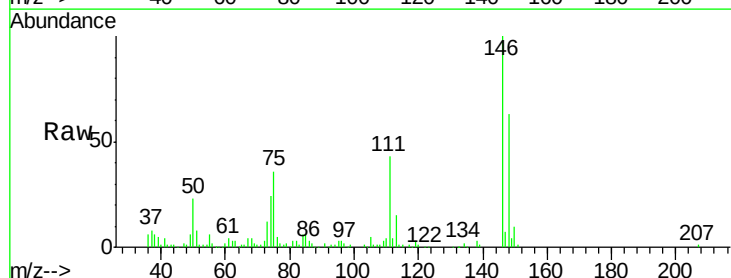
Manual Integrations
APPROVED

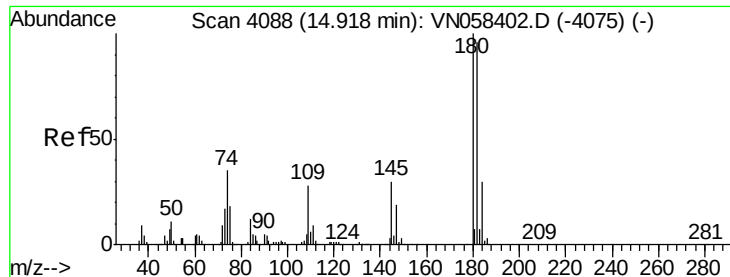
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#91
1,2-Dichlorobenzene
Concen: 13.383 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VN058463.D
Acq: 1 Oct 2019 14:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.8	65.3
148	64.2	31.5	94.5





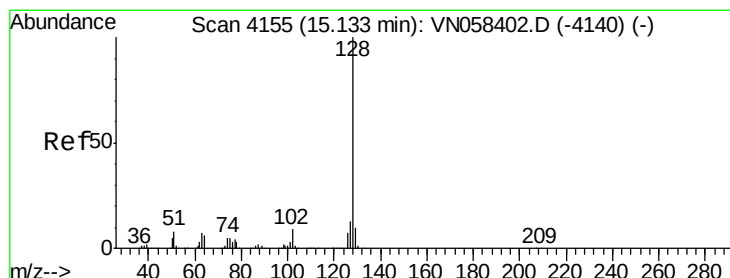
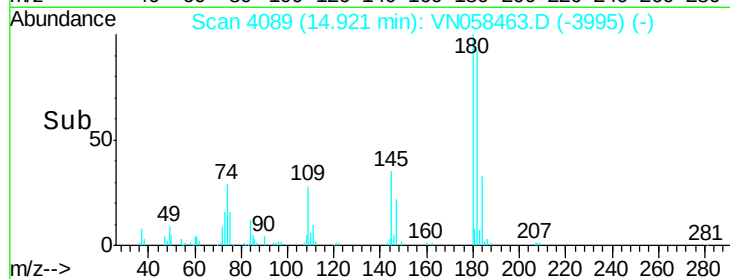
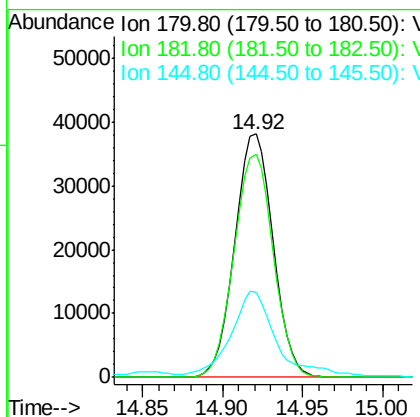
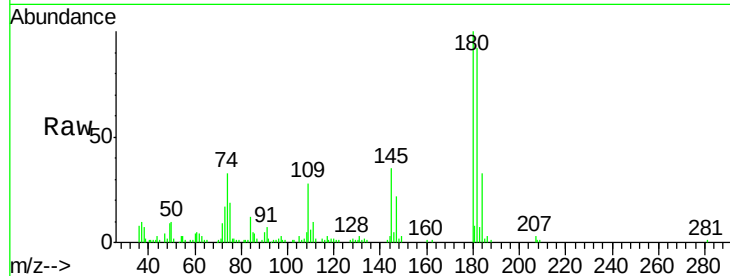
#93
 1,2,4-Trichlorobenzene
 Concen: 12.647 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058463.D
 Acq: 1 Oct 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-5

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.4	142.3
145	41.2	15.3	45.9

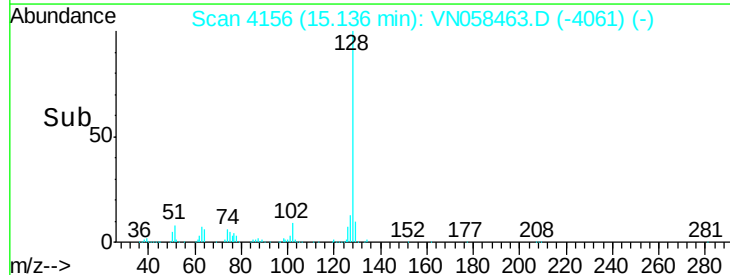
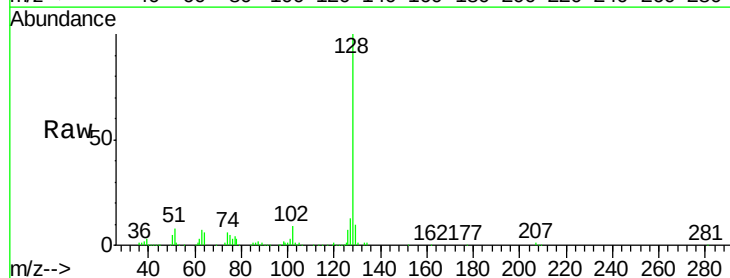
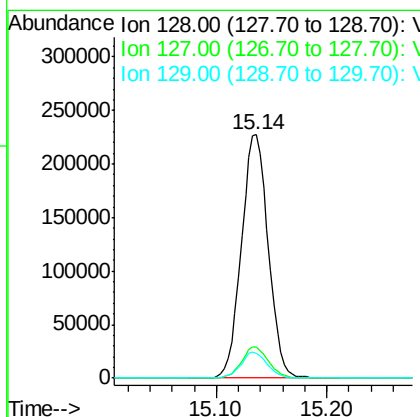
Manual Integrations
 APPROVED

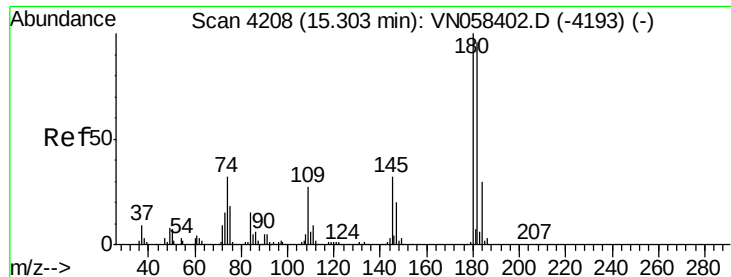
MMDadoda
 10/3/2019 12:20:33 PM



#95
 Naphthalene
 Concen: 26.444 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN058463.D
 Acq: 1 Oct 2019 14:24

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.6	8.3	12.5





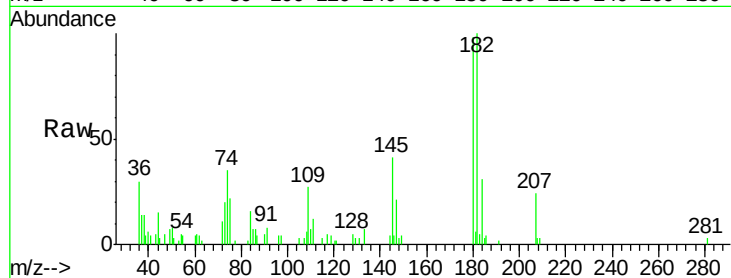
#96
 1,2,3-Trichlorobenzene
 Concen: 2.479 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058463.D
 Acq: 1 Oct 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-5

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	104.2	48.3	144.9	
145	51.9	16.1	48.3	

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:20:33 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

