

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058462.D
 Acq On : 1 Oct 2019 14:02
 Operator : JC/SP
 Sample : K5095-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-4

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:20:27 PM

Quant Time: Oct 02 07:09:59 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	7.66	168	429355	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.58	114	704150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	279425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	286355	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
35) Dibromofluoromethane	7.61	113	123189	28.54	ug/l	0.04
Spiked Amount	50.000		Recovery	=	57.08%	
50) Toluene-d8	10.09	98	852942	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.41	95	283015	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	

Target Compounds

						Qvalue
3) Chloromethane	2.03	50	21895	4.230	ug/l	96
4) Vinyl Chloride	2.17	62	88912	17.536	ug/l	99
6) Chloroethane	2.69	64	21759	7.162	ug/l	97
8) Diethyl Ether	3.39	74	21535	8.157	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.74	101	2242426	539.651	ug/l	94
12) 1,1-Dichloroethene	3.72	96	24490545m	6046.571	ug/l	
16) Acetone	3.80	43	154795	72.373	ug/l	94
17) Carbon Disulfide	4.03	76	10380	0.972	ug/l	96
20) Methylene Chloride	4.53	84	1213722	245.896	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	458067	101.702	ug/l	98
24) 1,1-Dichloroethane	5.83	63	9863324	1104.906	ug/l #	92
25) 2-Butanone	6.82	43	39392	13.414	ug/l #	1
27) cis-1,2-Dichloroethene	6.81	96	9955432	1891.181	ug/l	71
30) Chloroform	7.36	83	2766434	305.822	ug/l	100
32) 1,1,1-Trichloroethane	7.61	97	33905442m	4564.310	ug/l	
39) Methylcyclohexane	9.08	83	24199	3.078	ug/l	91
40) Benzene	8.03	78	7499187	387.475	ug/l #	47
42) 1,2-Dichloroethane	8.11	62	294155	39.066	ug/l	100
44) Trichloroethene	8.83	130	9243078	1934.159	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	866595	157.163	ug/l	99
52) Toluene	10.16	92	7766100	637.510	ug/l #	55
55) 1,1,2-Trichloroethane	10.58	97	1705465	384.490	ug/l	100
64) Tetrachloroethene	10.70	164	17584479m	4994.965	ug/l	
65) Chlorobenzene	11.44	112	504757	45.827	ug/l	98
67) Ethyl Benzene	11.52	91	891103	44.666	ug/l	99
68) m/p-Xylenes	11.62	106	802113	106.861	ug/l	97
69) o-Xylene	11.95	106	564995	78.192	ug/l	95
73) Isopropylbenzene	12.26	105	268033	12.980	ug/l	99
77) Bromobenzene	12.53	156	4585	0.947	ug/l #	3
78) n-propylbenzene	12.60	91	1232729	52.987	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1705306	98.651	ug/l	100
83) tert-Butylbenzene	13.00	119	22326	1.531	ug/l #	35
84) 1,2,4-Trimethylbenzene	13.05	105	4137521	238.898	ug/l	77
85) sec-Butylbenzene	13.18	105	169511	8.829	ug/l #	77

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 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)
86) p-Isopropyltoluene	13.30	119	200496	11.864	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	21110	2.404	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	98072	11.227	ug/l	95
89) n-Butylbenzene	13.62	91	157625	10.297	ug/l #	76
91) 1,2-Dichlorobenzene	13.66	146	203230	24.091	ug/l	100
93) 1,2,4-Trichlorobenzene	14.92	180	74918	16.071	ug/l	96
95) Naphthalene	15.13	128	701833	51.410	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	20715	4.409	ug/l	96

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

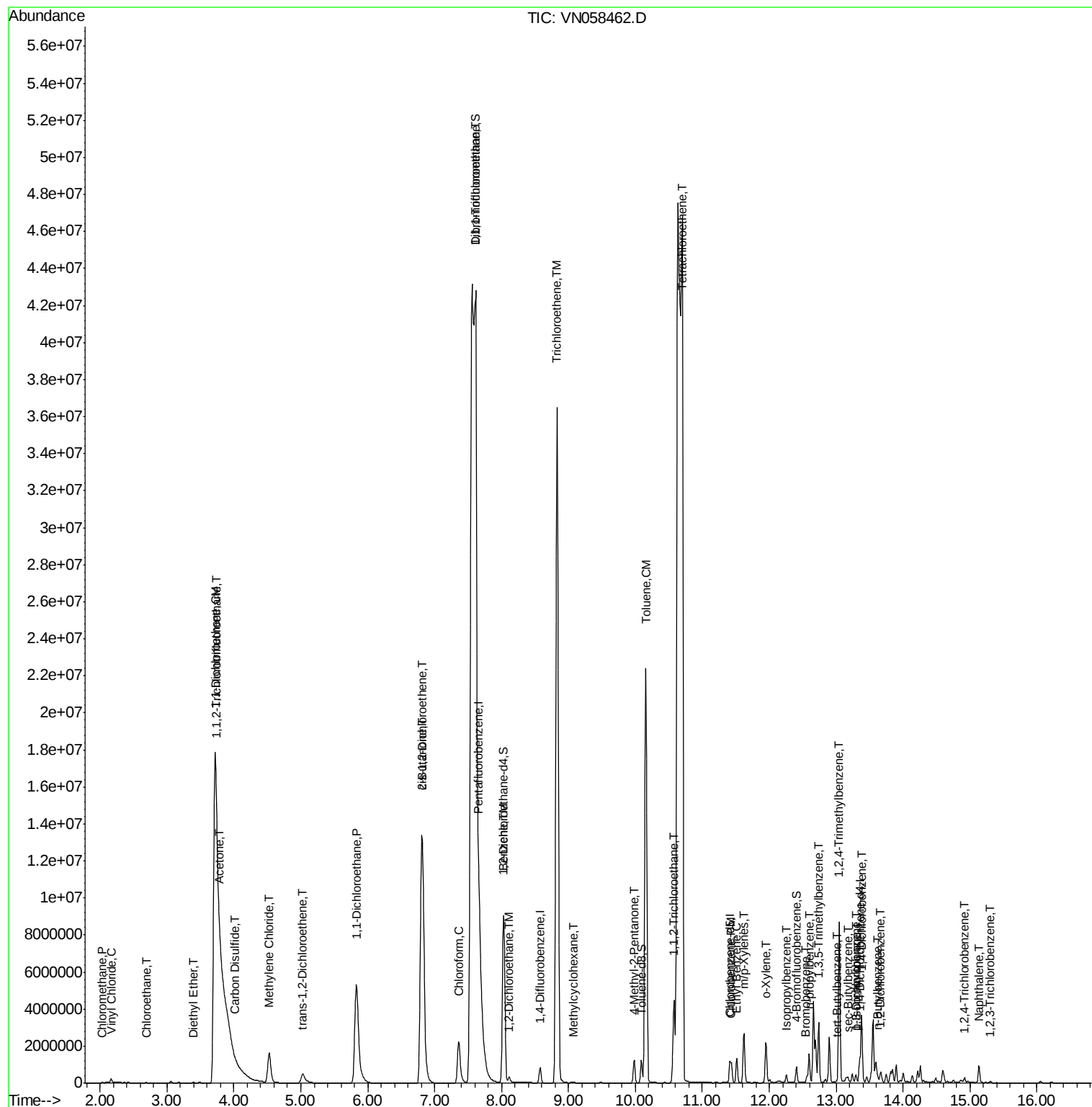
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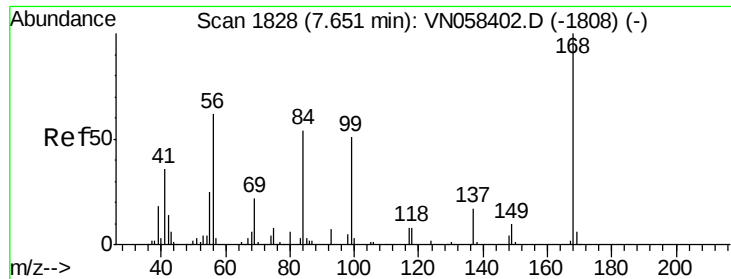
Instrument :
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COMPOSITE-4

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN058462.D

Acq: 1 Oct 2019 14:02

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-4

Tot Ion:168 Resp: 429355

Ion Ratio Lower Upper

168 100

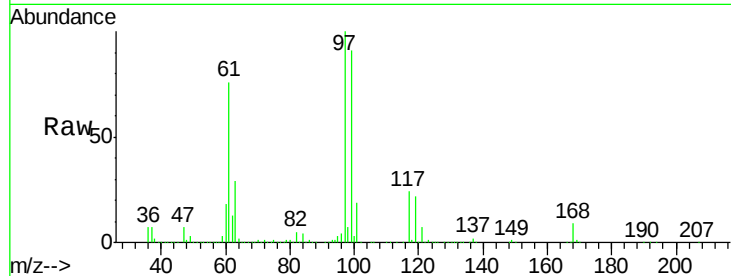
99 778.0 47.7 71.5#

Manual Integrations

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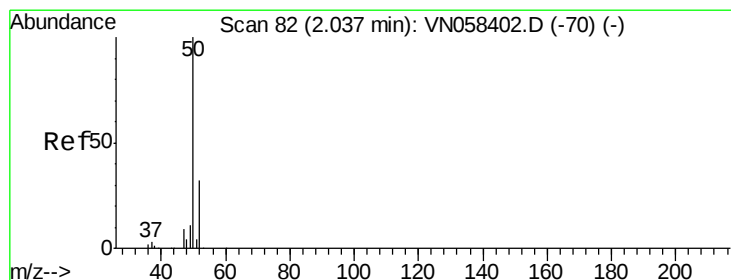
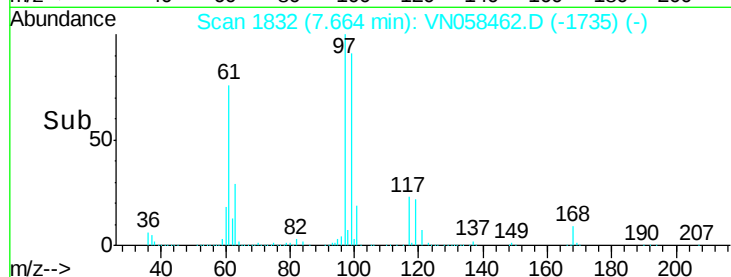
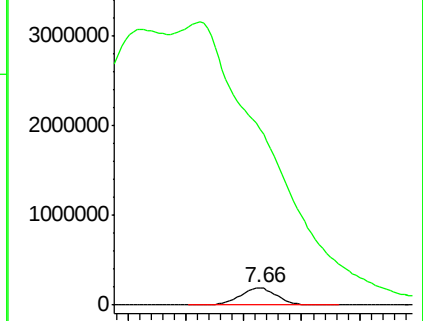
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 4.230 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058462.D

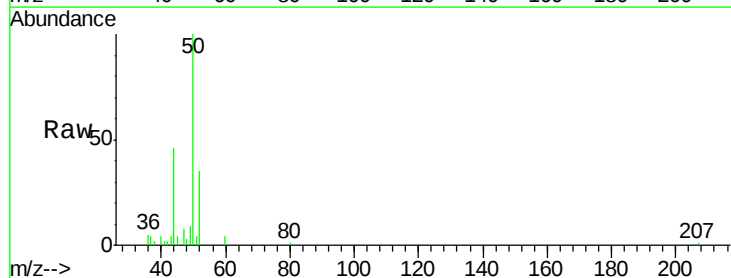
Acq: 1 Oct 2019 14:02

Tgt Ion: 50 Resp: 21895

Ion Ratio Lower Upper

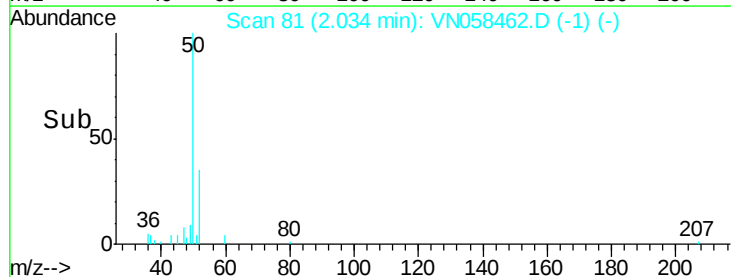
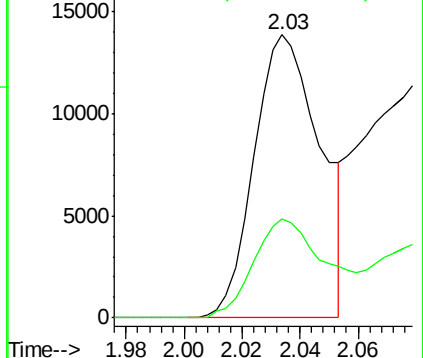
50 100

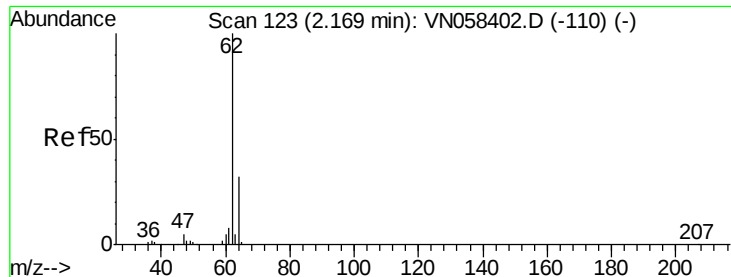
52 34.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#4

Vinyl Chloride

Concen: 17.536 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058462.D

Acq: 1 Oct 2019 14:02

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-4

Tot Ion: 62 Resp: 88912

Ion Ratio Lower Upper

62 100

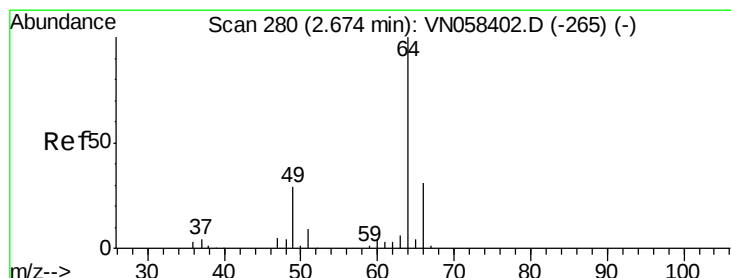
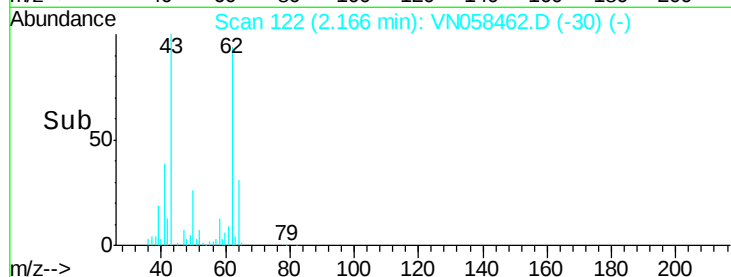
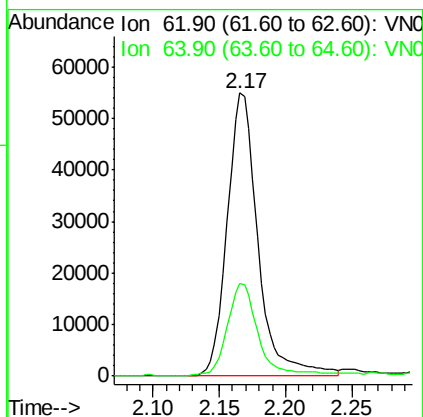
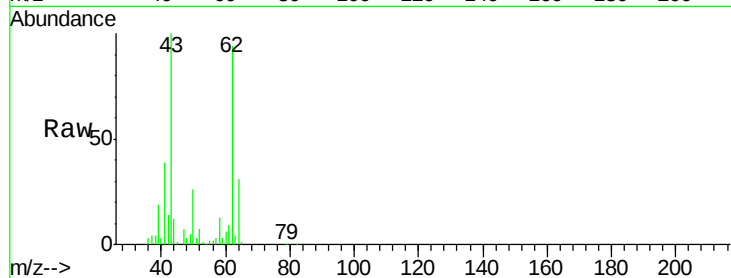
64 32.3 25.5 38.3

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#6

Chloroethane

Concen: 7.162 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058462.D

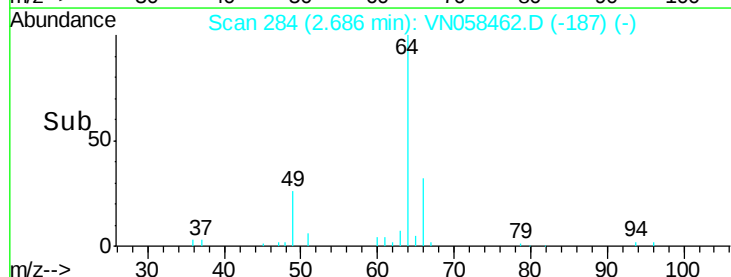
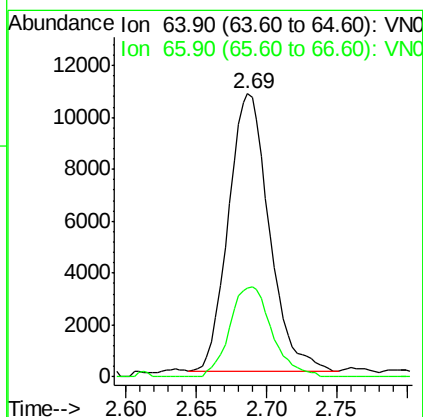
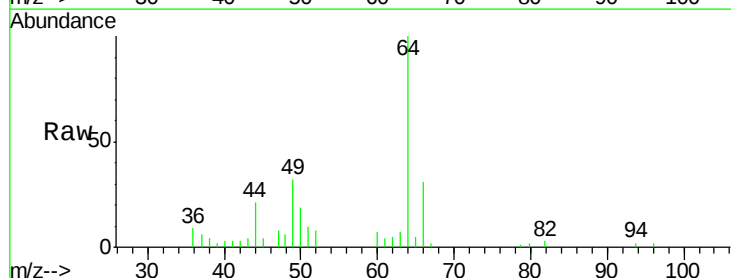
Acq: 1 Oct 2019 14:02

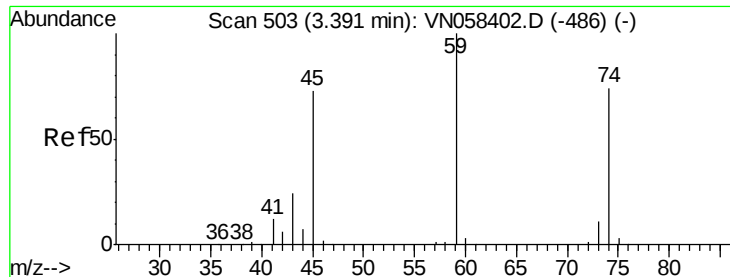
Tgt Ion: 64 Resp: 21759

Ion Ratio Lower Upper

64 100

66 31.9 24.4 36.6





#8

Diethyl Ether

Concen: 8.157 ug/l

RT: 3.39 min Scan# 503

Delta R.T. -0.00 min

Lab File: VN058462.D

Acq: 1 Oct 2019 14:02

Instrument :

MSVOA_N

ClientSampled :

COMPOSITE-4

Tot Ion: 74 Resp: 21535

Ion Ratio Lower Upper

74 100

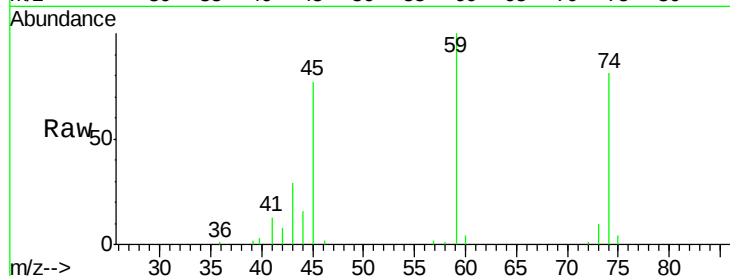
45 90.1 50.5 151.6

Manual Integrations

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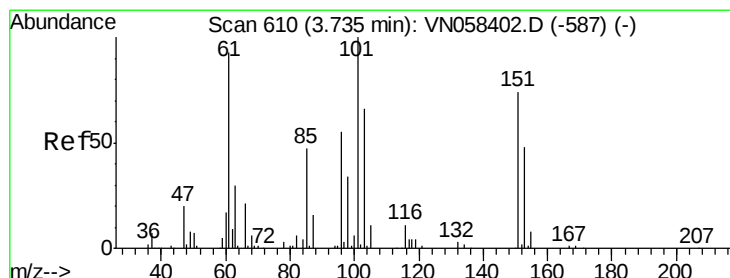
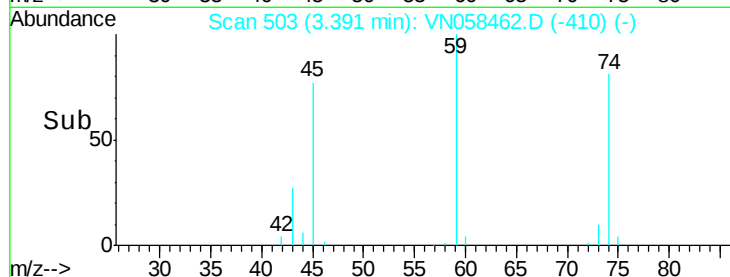
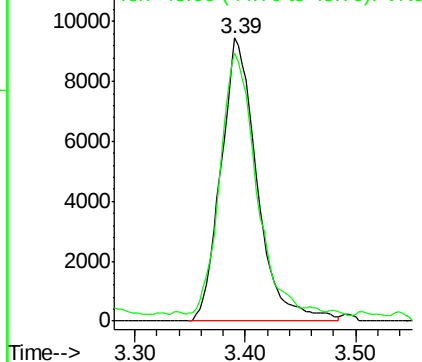
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Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 539.651 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN058462.D

Acq: 1 Oct 2019 14:02

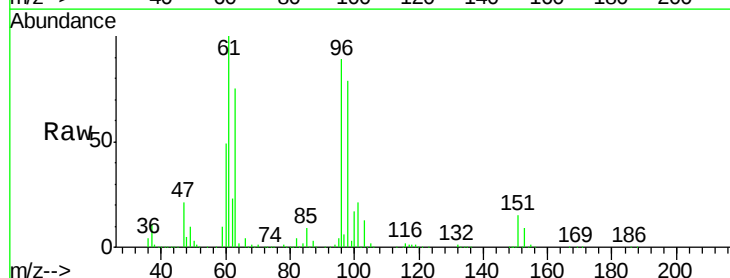
Tgt Ion:101 Resp: 2242426

Ion Ratio Lower Upper

101 100

85 44.6 36.7 55.1

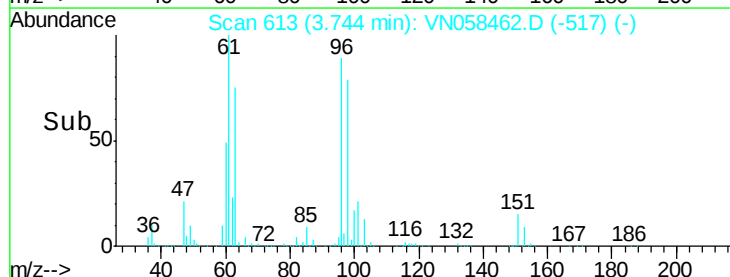
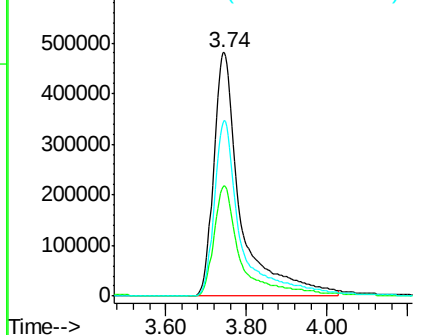
151 66.8 59.4 89.0

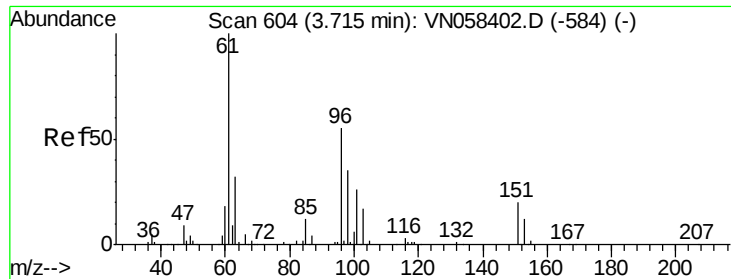


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V





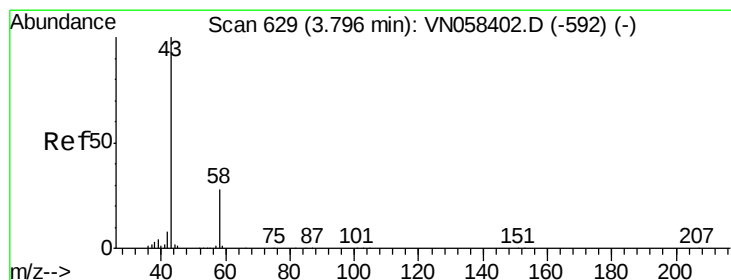
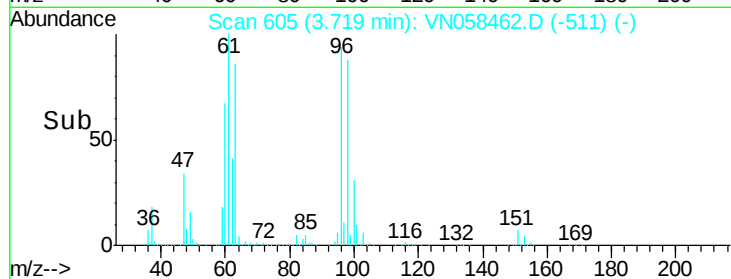
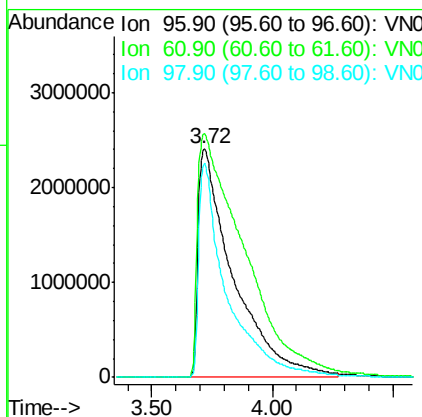
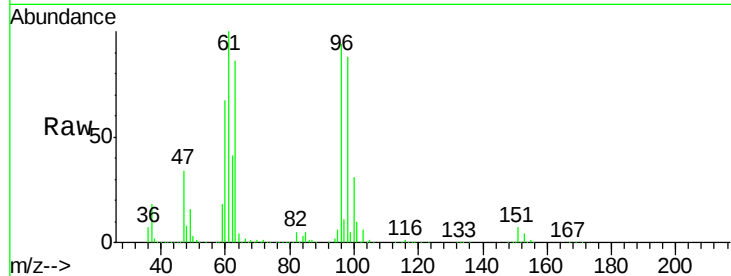
#12
 1,1-Dichloroethene
 Concen: 6046.571 ug/l m
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058462.D
 Acq: 1 Oct 2019 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-4

Tot Ion: 96 Resp: 24490545
 Ion Ratio Lower Upper
 96 100
 61 106.6 146.7 220.1#
 98 93.5 51.3 76.9#

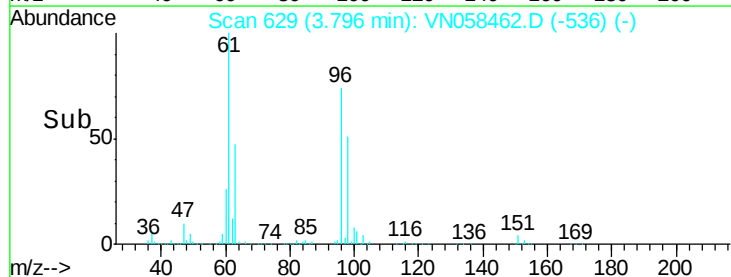
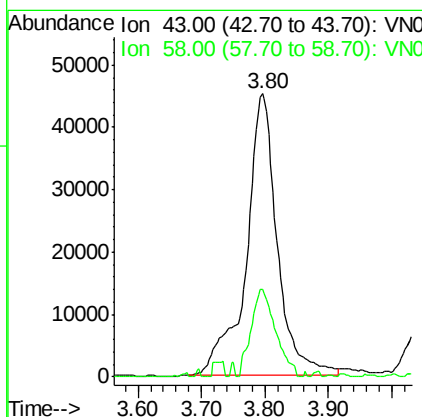
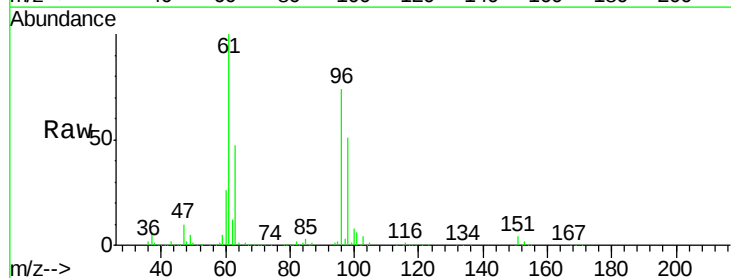
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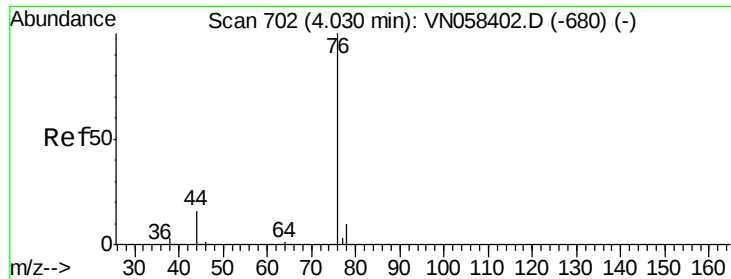
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#16
 Acetone
 Concen: 72.373 ug/l
 RT: 3.80 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VN058462.D
 Acq: 1 Oct 2019 14:02

Tgt Ion: 43 Resp: 154795
 Ion Ratio Lower Upper
 43 100
 58 31.1 22.4 33.6





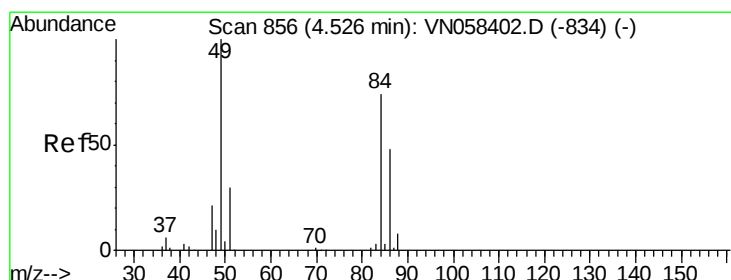
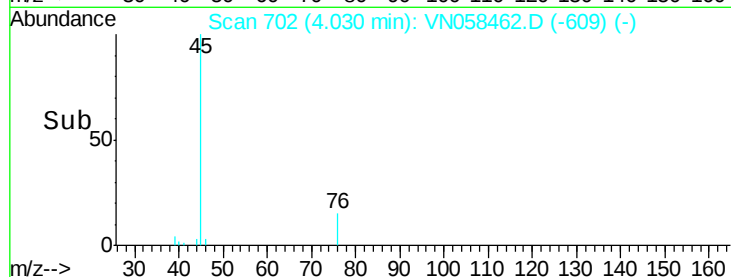
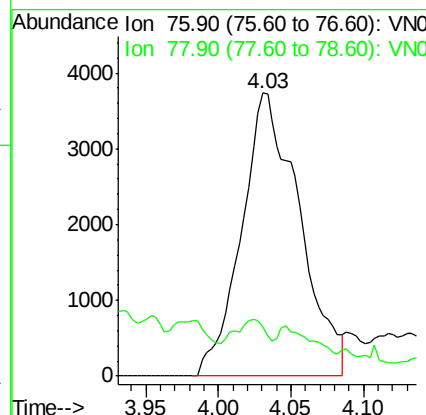
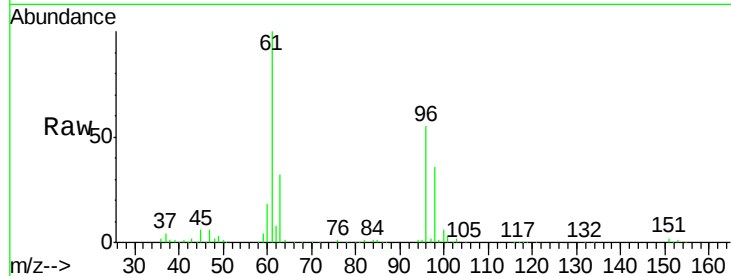
#17
Carbon Disulfide
Concen: 0.972 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058462.D
Acq: 1 Oct 2019 14:02

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-4

Tot Ion: 76 Resp: 10380
Ion Ratio Lower Upper
76 100
78 8.0 7.7 11.5

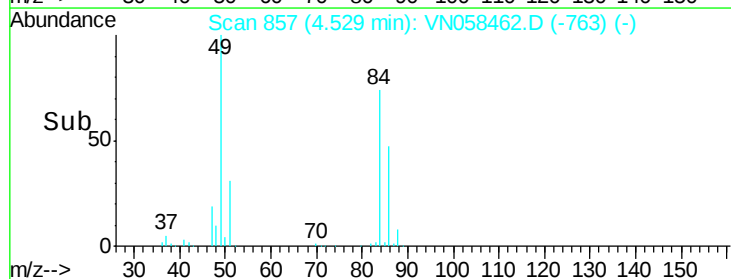
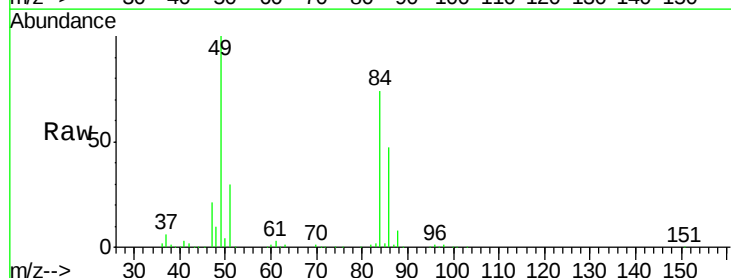
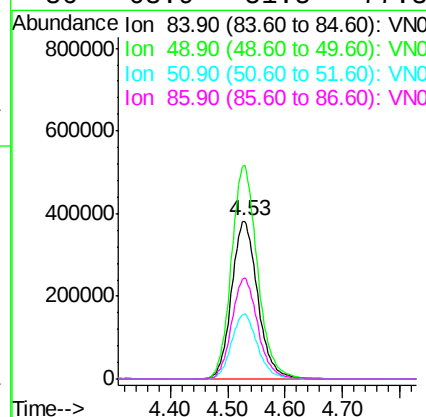
Manual Integrations
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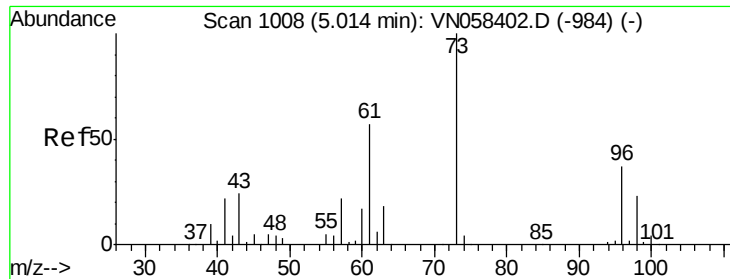
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#20
Methylene Chloride
Concen: 245.896 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058462.D
Acq: 1 Oct 2019 14:02

Tgt Ion: 84 Resp: 1213722
Ion Ratio Lower Upper
84 100
49 135.2 107.9 161.9
51 41.2 32.8 49.2
86 63.9 51.5 77.3





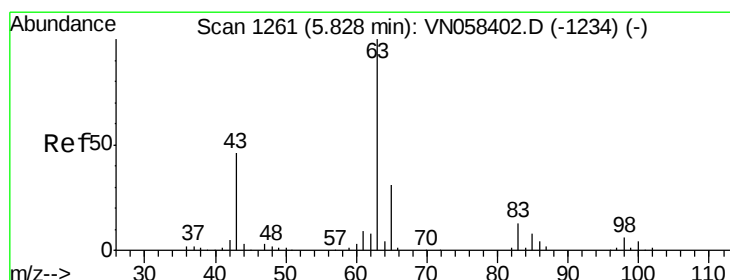
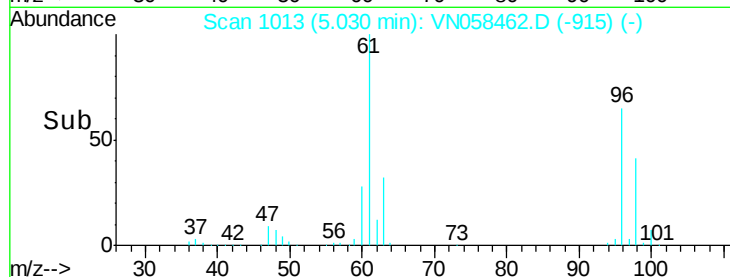
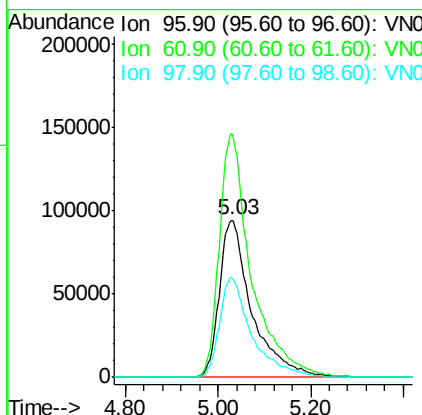
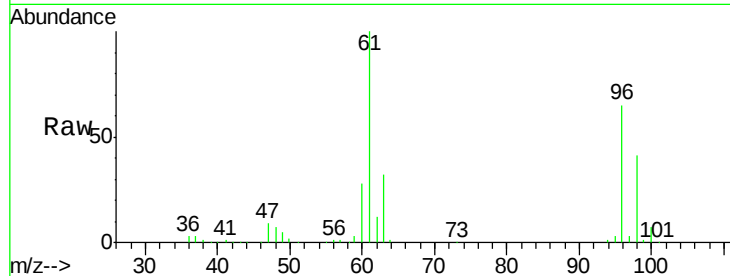
#21
trans-1,2-Dichloroethene
Concen: 101.702 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.02 min
Lab File: VN058462.D
Acq: 1 Oct 2019 14:02

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-4

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.8	121.9	182.9
98	62.9	49.3	73.9

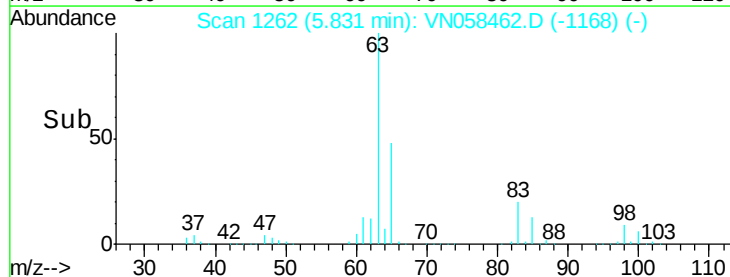
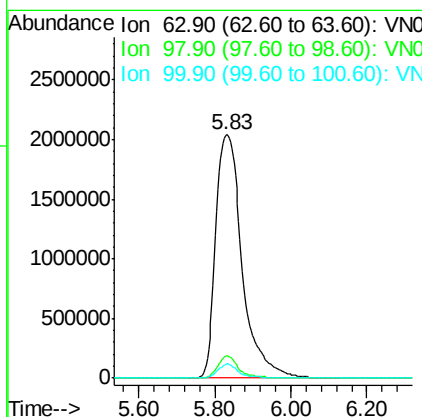
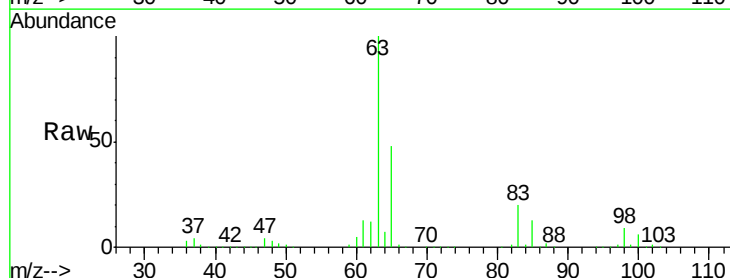
Manual Integrations
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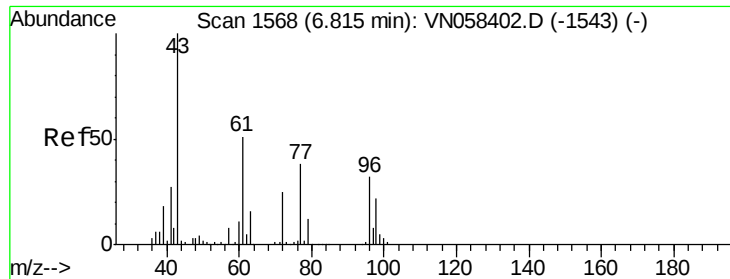
MMDadoda
10/3/2019 12:20:27 PM



#24
1,1-Dichloroethane
Concen: 1104.906 ug/l
RT: 5.83 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VN058462.D
Acq: 1 Oct 2019 14:02

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





#25

2-Butanone

Concen: 13.414 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN058462.D

Acq: 1 Oct 2019 14:02

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-4

Tot Ion: 43 Resp: 39392

Ion Ratio Lower Upper

43 100

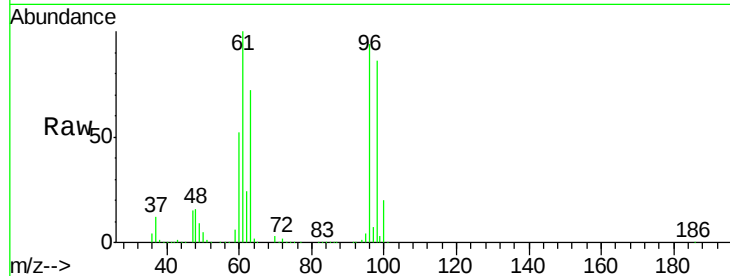
72 343.4 20.2 30.4#

Manual Integrations

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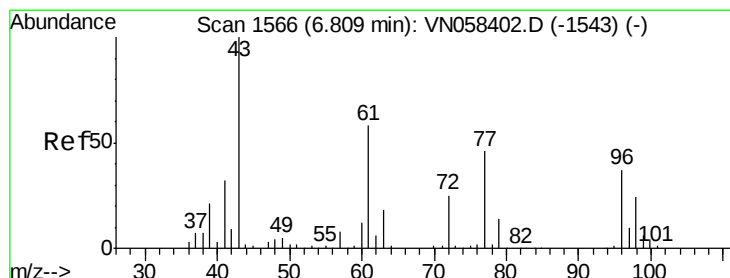
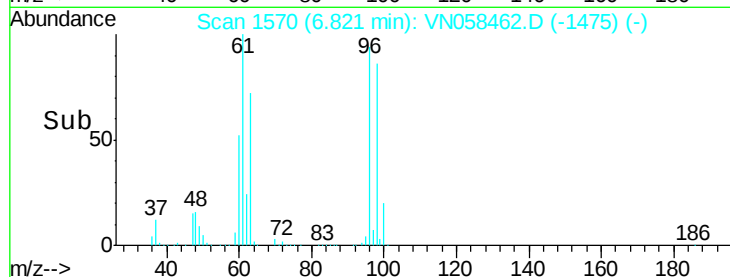
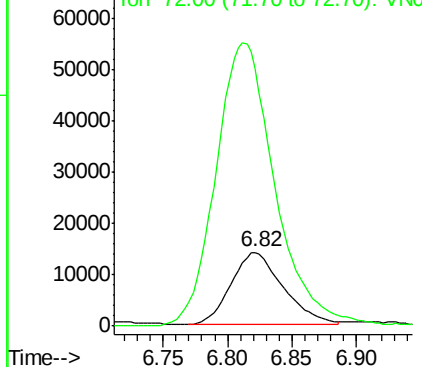
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#27

cis-1,2-Dichloroethene

Concen: 1891.181 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058462.D

Acq: 1 Oct 2019 14:02

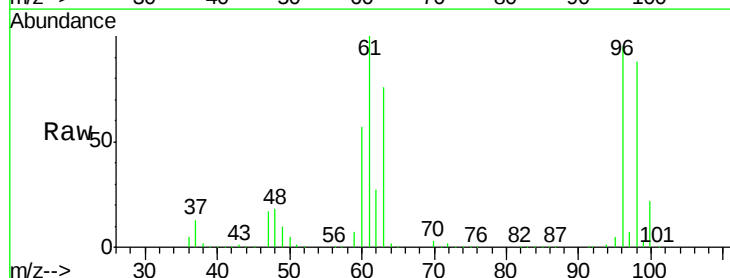
Tgt Ion: 96 Resp: 9955432

Ion Ratio Lower Upper

96 100

61 115.4 0.0 318.8

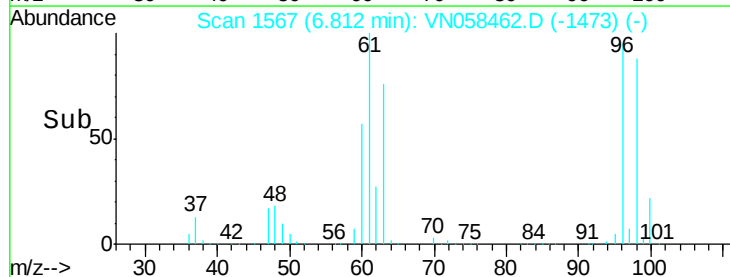
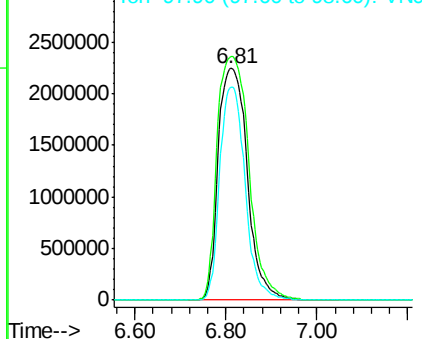
98 80.5 0.0 129.8

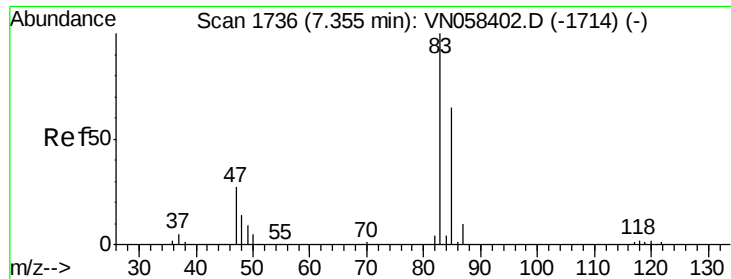


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





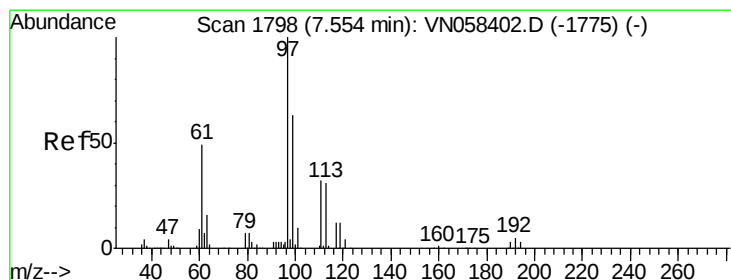
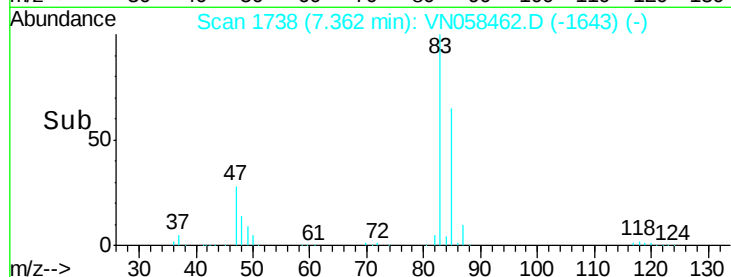
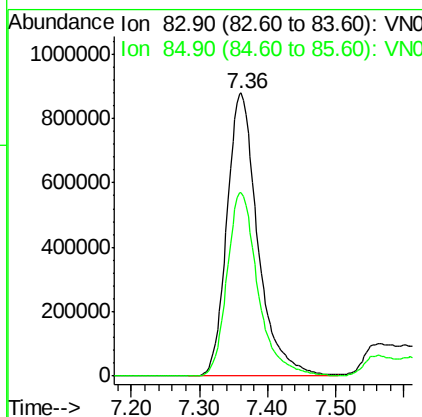
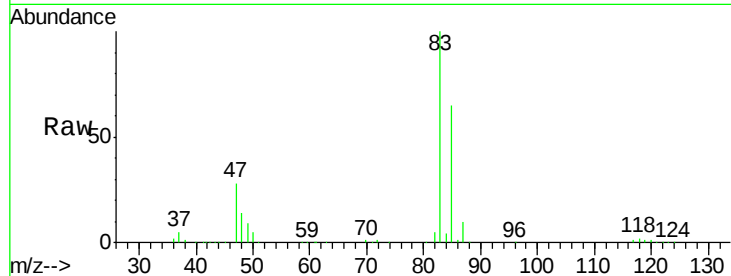
#30
Chloroform
Concen: 305.822 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VN058462.D
Acq: 1 Oct 2019 14:02

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-4

Tot Ion: 83 Resp: 2766434
Ion Ratio Lower Upper
83 100
85 64.9 52.0 78.0

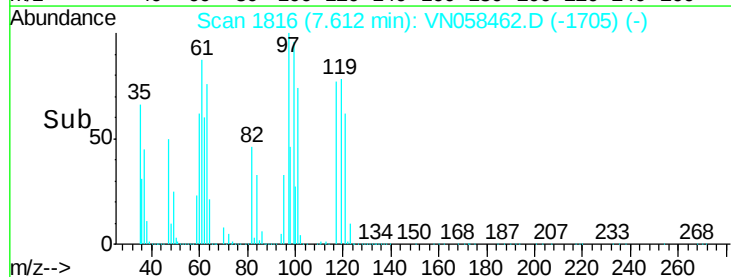
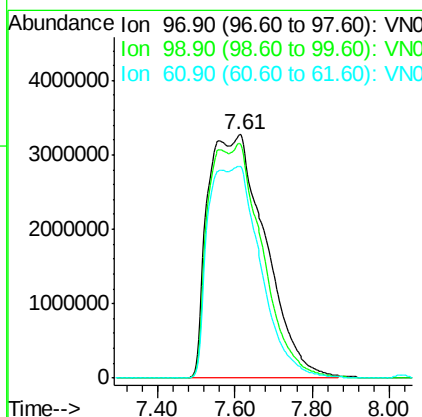
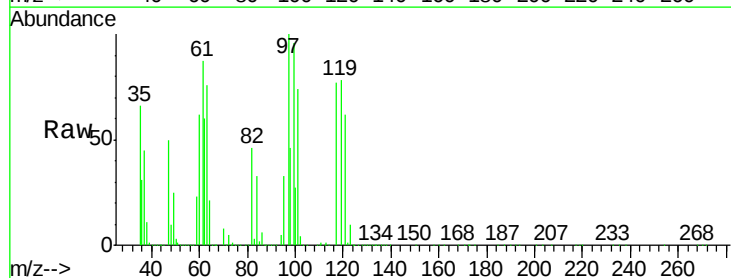
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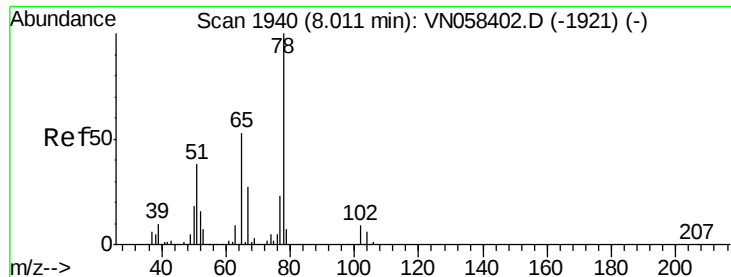
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 4564.310 ug/l m
RT: 7.61 min Scan# 1816
Delta R.T. 0.06 min
Lab File: VN058462.D
Acq: 1 Oct 2019 14:02

Tgt Ion: 97 Resp: 33905442
Ion Ratio Lower Upper
97 100
99 36.6 51.1 76.7#
61 30.3 39.2 58.8#





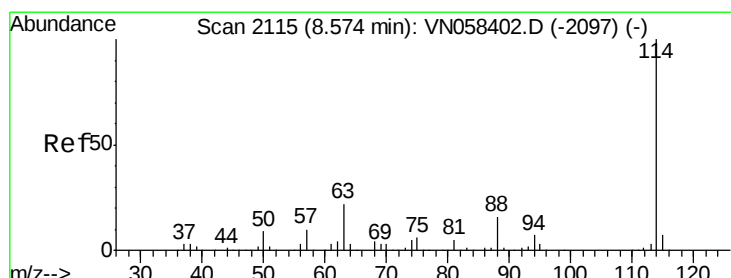
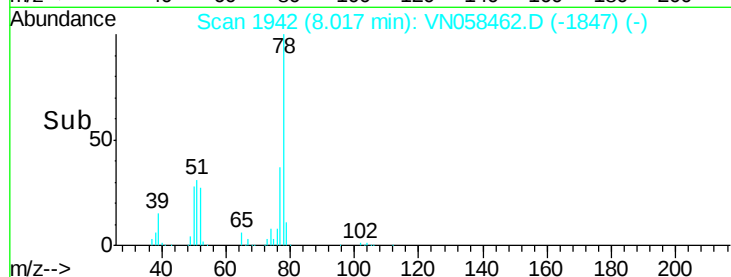
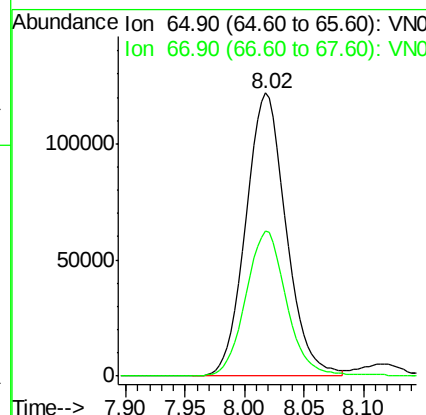
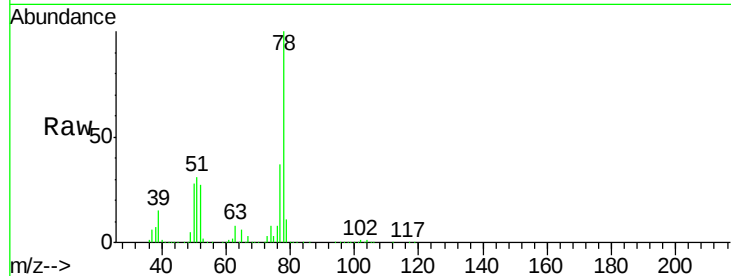
#33
 1,2-Dichloroethane-d4
 Concen: 45.639 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN058462.D
 Acq: 1 Oct 2019 14:02

Instrument :
 MSVOA_N
 ClientSampled :
 COMPOSITE-4

Tot Ion	Ratio	Resp	Lower	Upper
65	100	286355		
67	51.8	0.0	102.4	

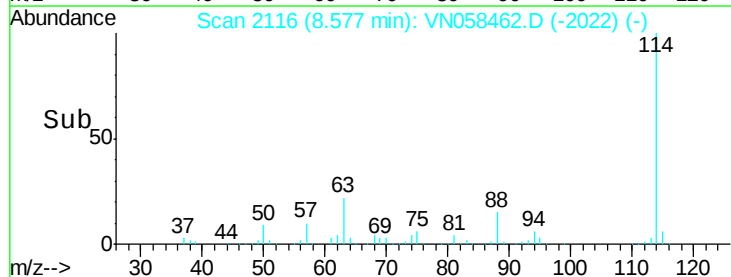
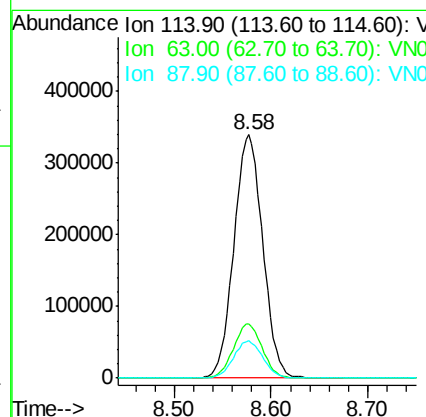
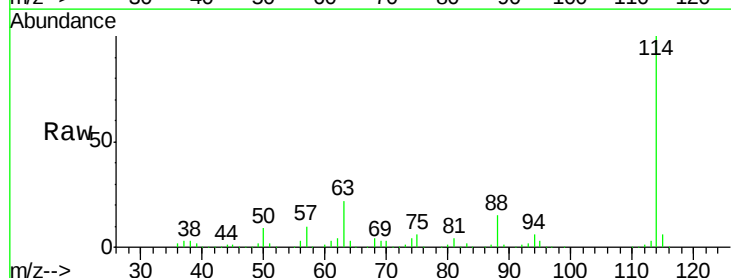
Manual Integrations
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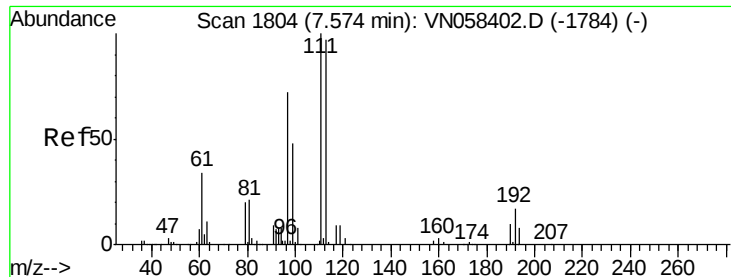
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058462.D
 Acq: 1 Oct 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	704150		
63	22.3	0.0	45.0	
88	15.2	0.0	32.2	





#35

Dibromofluoromethane

Concen: 28.545 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.04 min

Lab File: VN058462.D

Acq: 1 Oct 2019 14:02

Instrument :

MSVOA_N

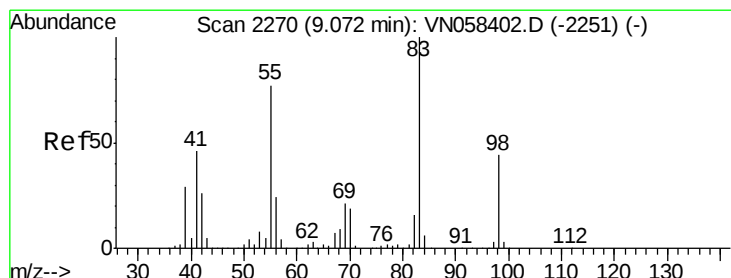
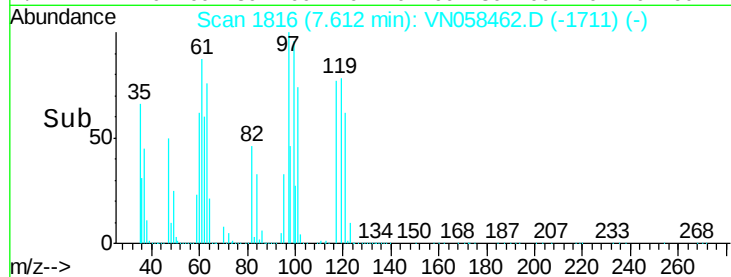
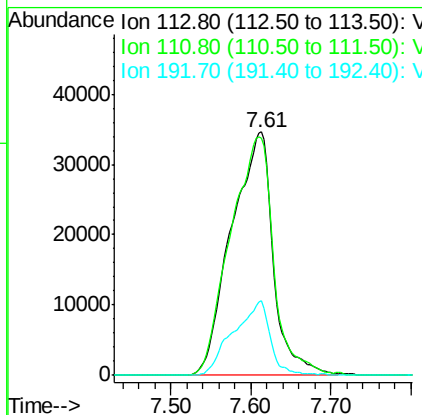
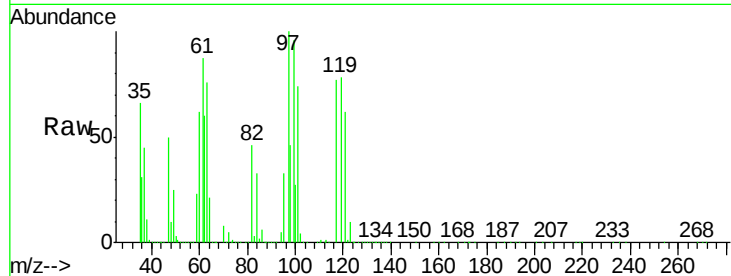
ClientSampleId :

COMPOSITE-4

Tot Ion:	113	Resp:	123189
Ion Ratio	Lower	Upper	
113	100		
111	101.1	83.4	125.2
192	26.8	14.9	22.3#

Manual Integrations
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#39

Methylcyclohexane

Concen: 3.078 ug/l

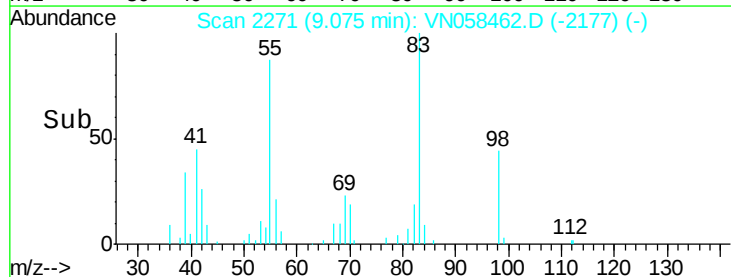
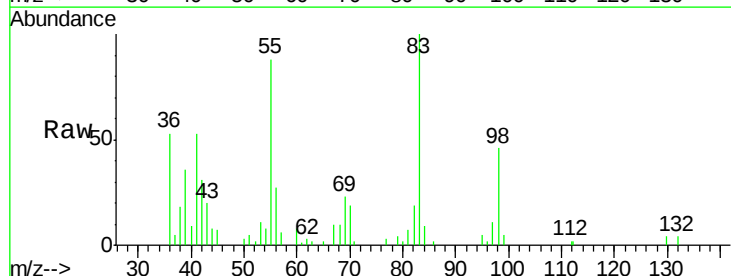
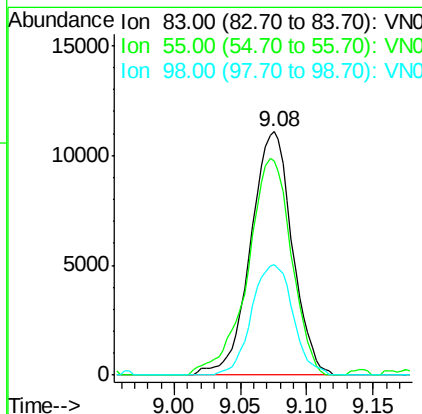
RT: 9.08 min Scan# 2271

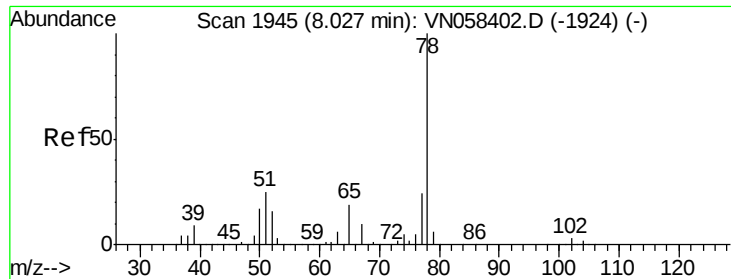
Delta R.T. 0.00 min

Lab File: VN058462.D

Acq: 1 Oct 2019 14:02

Tgt Ion:	83	Resp:	24199
Ion Ratio	Lower	Upper	
83	100		
55	88.2	61.8	92.6
98	45.6	35.4	53.0





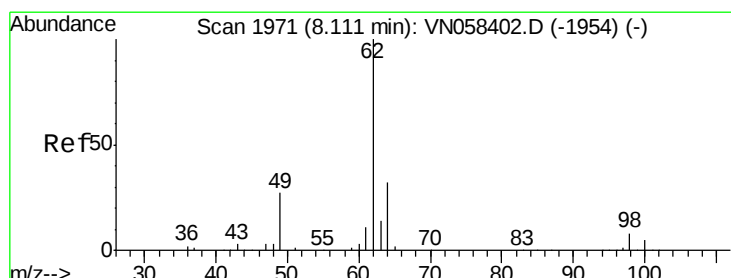
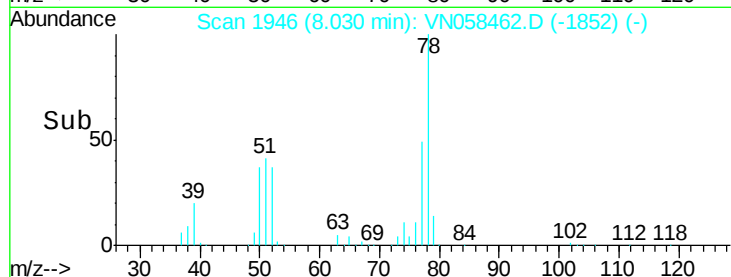
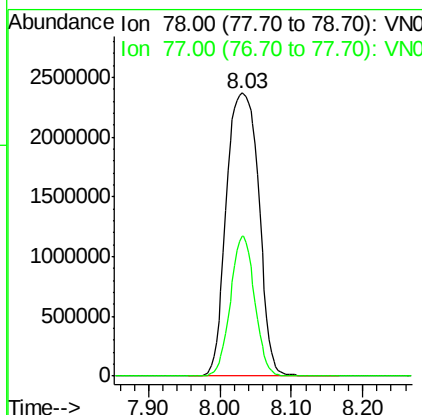
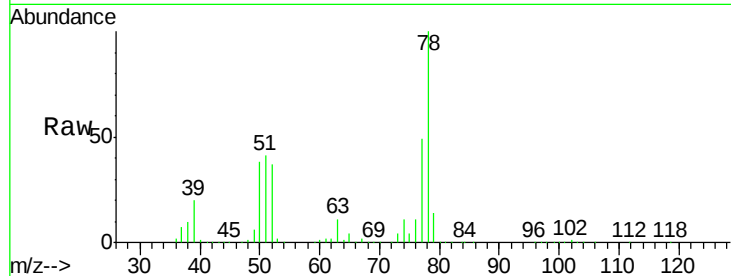
#40
Benzene
Concen: 387.475 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058462.D
Acq: 1 Oct 2019 14:02

Instrument :
MSVOA_N
ClientSampled :
COMPOSITE-4

Tot Ion: 78 Resp: 7499187
Ion Ratio Lower Upper
78 100
77 49.5 18.9 28.3#

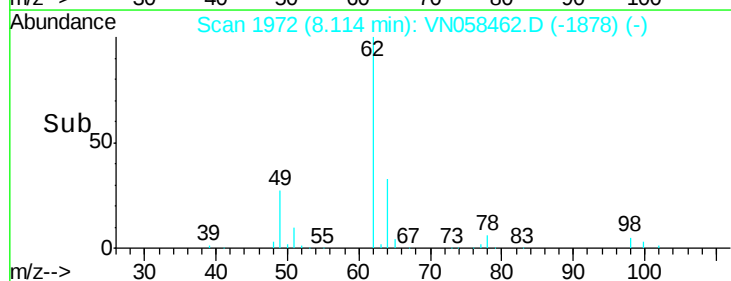
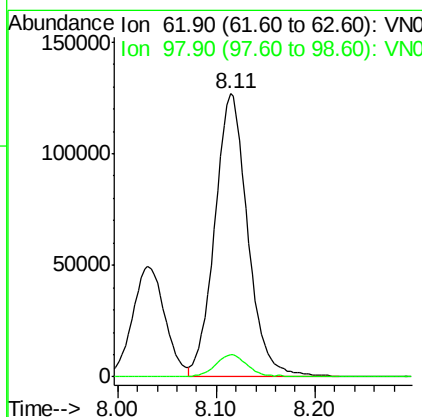
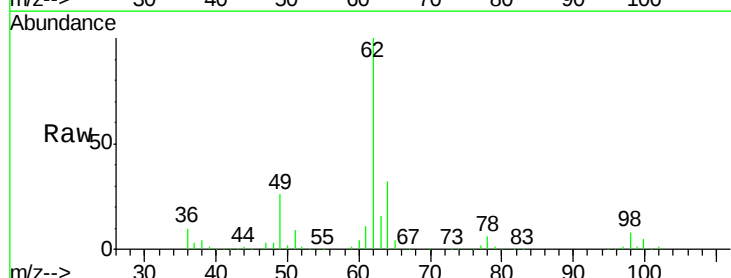
Manual Integrations
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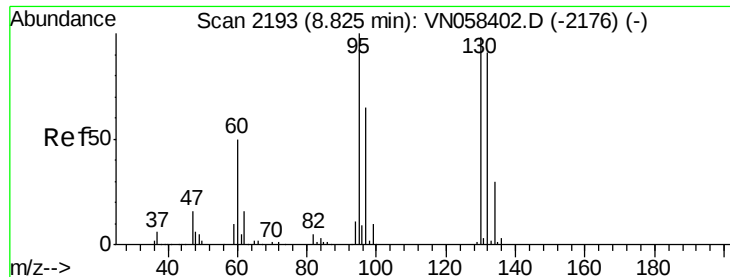
MMDadoda
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#42
1,2-Dichloroethane
Concen: 39.066 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN058462.D
Acq: 1 Oct 2019 14:02

Tgt Ion: 62 Resp: 294155
Ion Ratio Lower Upper
62 100
98 7.7 0.0 15.6





#44

Trichloroethene

Concen: 1934.159 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.01 min

Lab File: VN058462.D

Acq: 1 Oct 2019 14:02

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-4

Tot Ion:130 Resp: 9243078

Ion Ratio Lower Upper

130 100

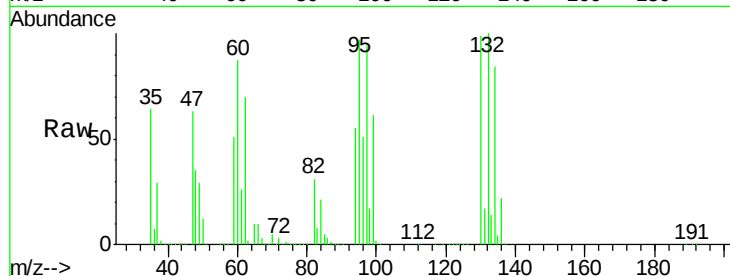
95 98.2 0.0 204.2

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.83

3000000

2500000

2000000

1500000

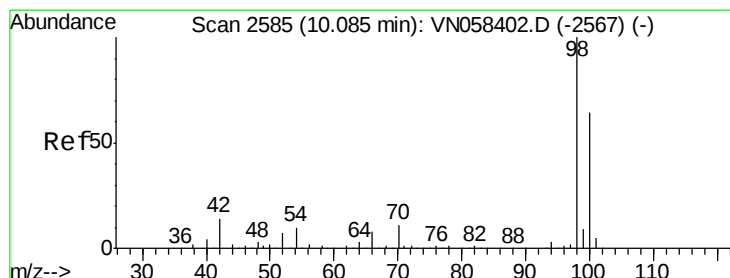
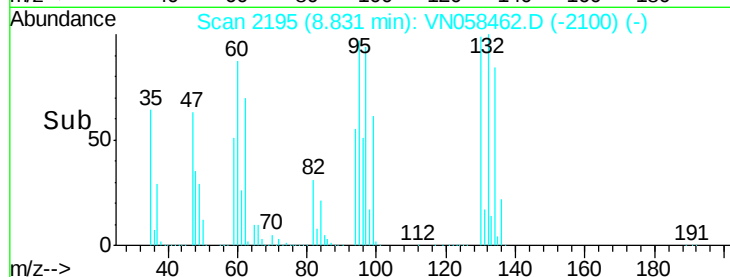
1000000

500000

0

8.80 9.00

Time-->



#50

Toluene-d8

Concen: 50.451 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058462.D

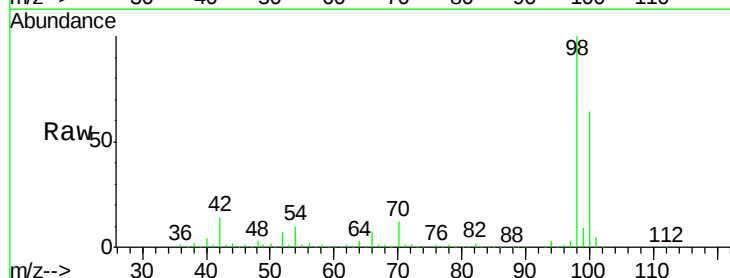
Acq: 1 Oct 2019 14:02

Tgt Ion: 98 Resp: 852942

Ion Ratio Lower Upper

98 100

100 63.2 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

500000

400000

300000

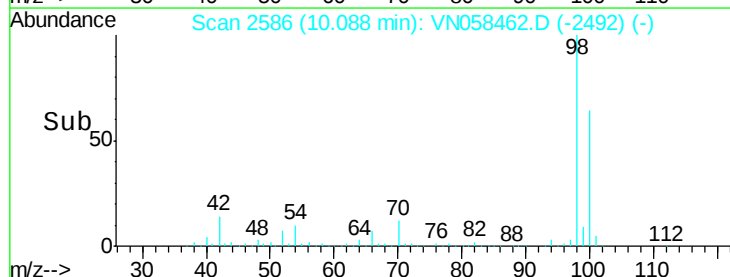
200000

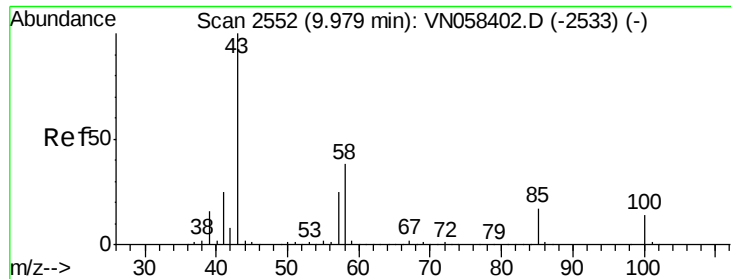
100000

0

10.00 10.10 10.20

Time-->





#51

4-Methyl-2-Pentanone

Concen: 157.163 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN058462.D

Acq: 1 Oct 2019 14:02

Instrument :

MSVOA_N

ClientSampled :

COMPOSITE-4

Tot Ion: 43 Resp: 866595

Ion Ratio Lower Upper

43 100

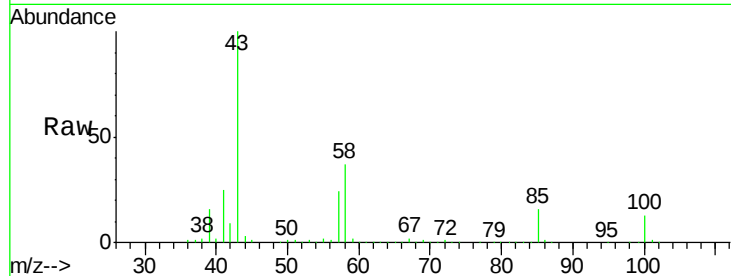
58 37.3 30.2 45.2

Manual Integrations

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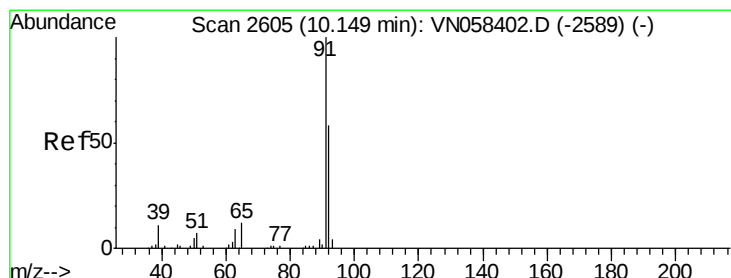
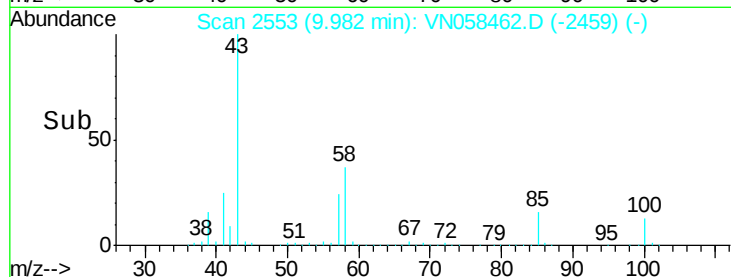
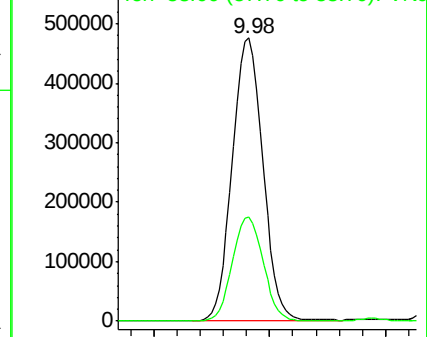
MMDadoda

10/3/2019 12:20:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 637.510 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.01 min

Lab File: VN058462.D

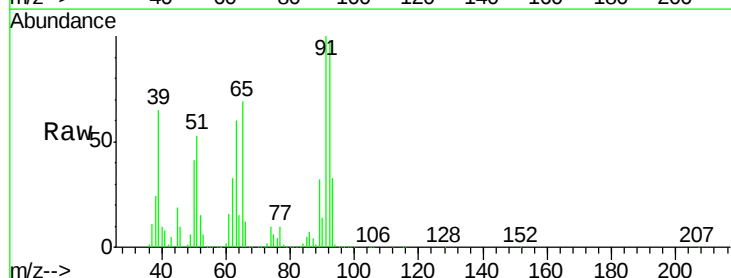
Acq: 1 Oct 2019 14:02

Tgt Ion: 92 Resp: 7766100

Ion Ratio Lower Upper

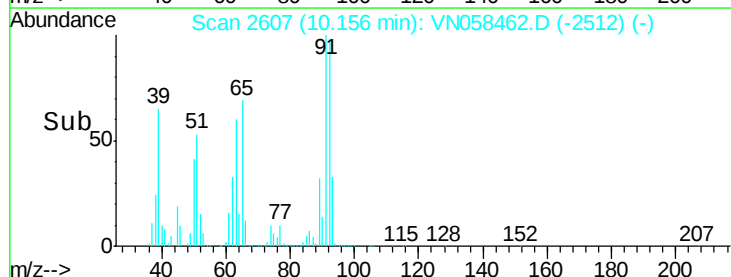
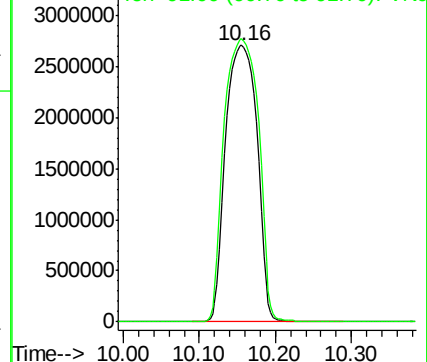
92 100

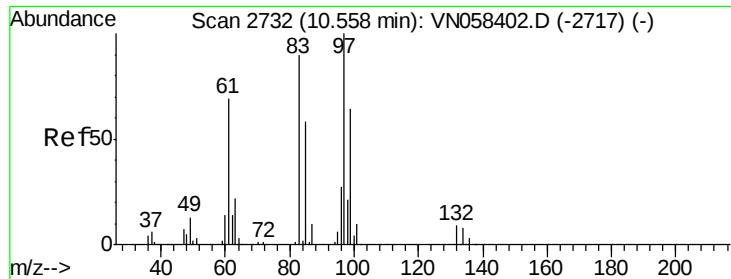
91 112.5 140.2 210.4#



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





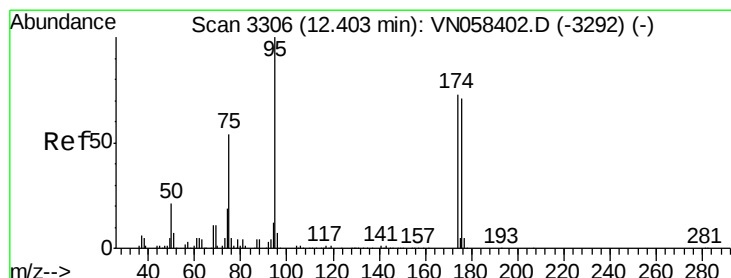
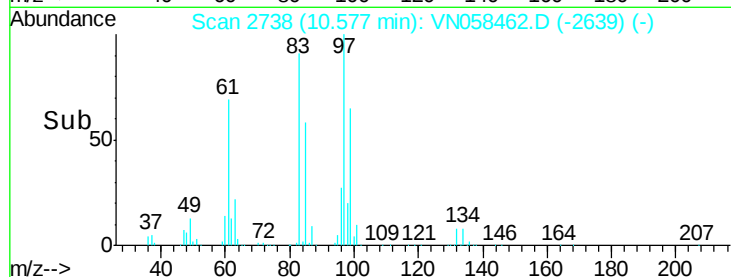
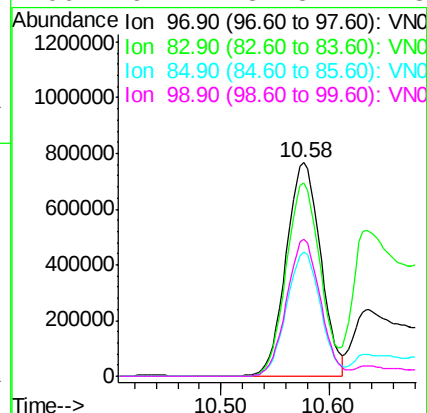
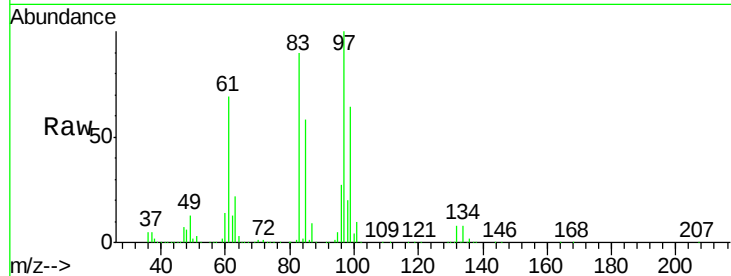
#55
 1,1,2-Trichloroethane
 Concen: 384.490 ug/l
 RT: 10.58 min Scan# 2738
 Delta R.T. 0.02 min
 Lab File: VN058462.D
 Acq: 1 Oct 2019 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-4

Tot Ion: 97 Resp: 1705465
 Ion Ratio Lower Upper
 97 100
 83 90.5 71.8 107.6
 85 58.0 46.6 69.8
 99 64.4 51.5 77.3

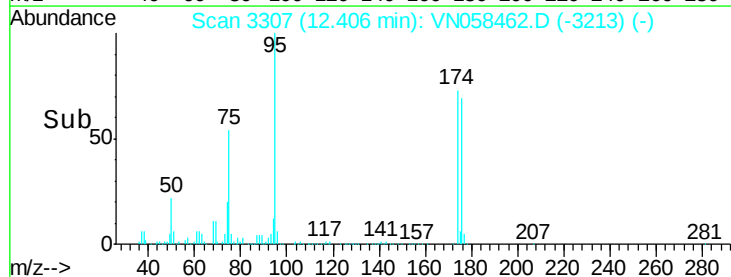
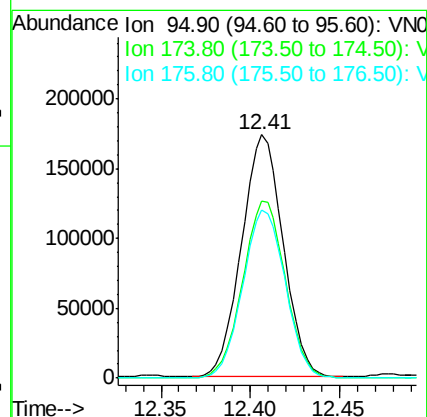
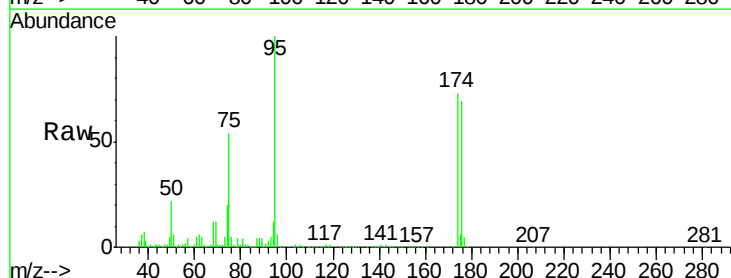
Manual Integrations
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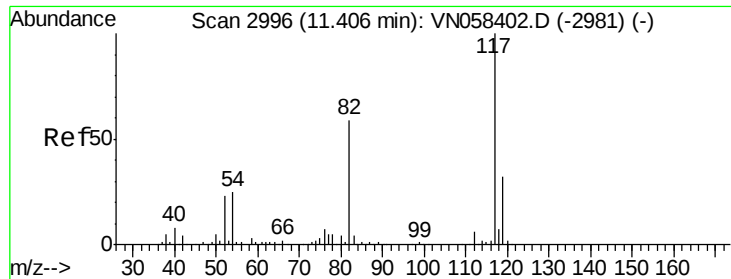
MMDadoda
 10/3/2019 12:20:27 PM



#62
 4-Bromofluorobenzene
 Concen: 46.297 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058462.D
 Acq: 1 Oct 2019 14:02

Tgt Ion: 95 Resp: 283015
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 150.6
 176 71.1 0.0 146.2





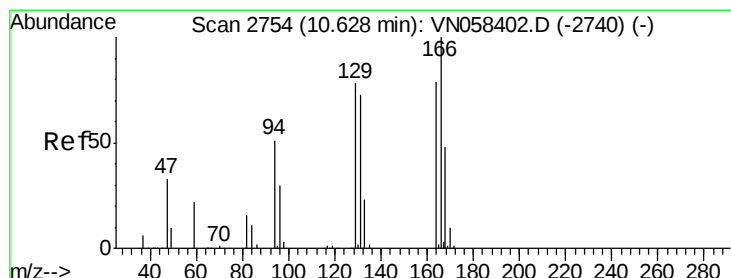
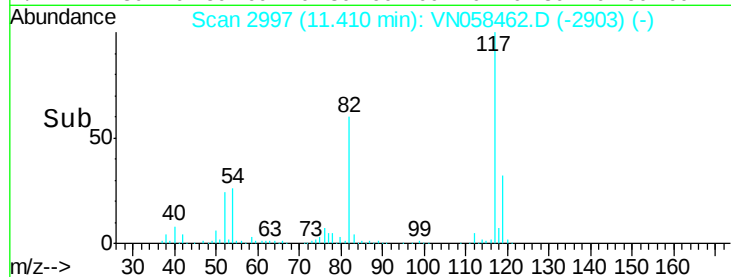
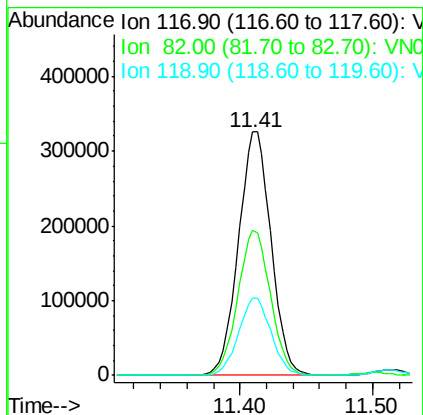
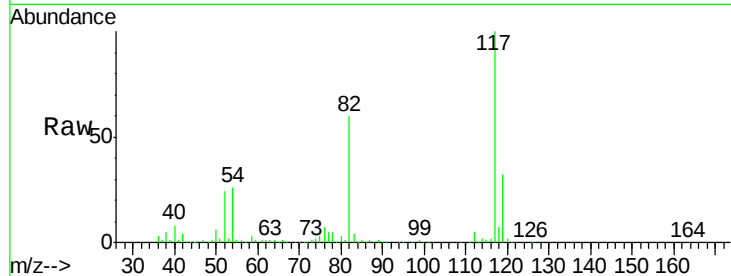
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058462.D
Acq: 1 Oct 2019 14:02

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-4

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.4	71.0
119	31.8	25.5	38.3

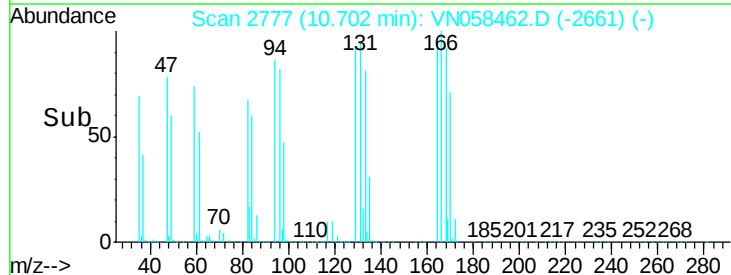
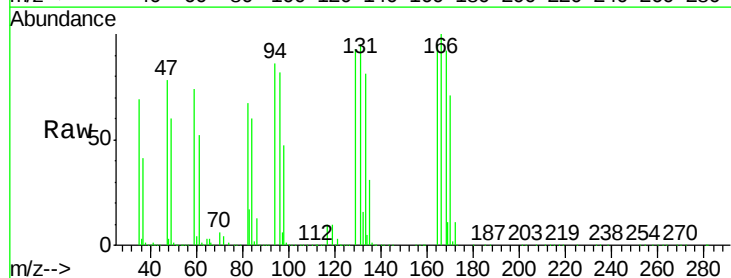
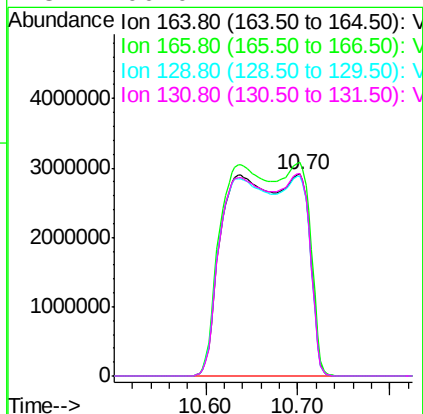
Manual Integrations
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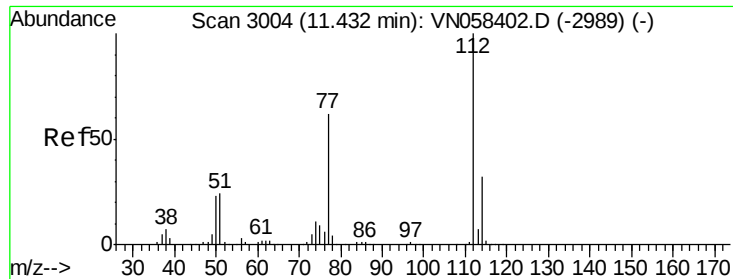
MMDadoda
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#64
Tetrachloroethene
Concen: 4994.965 ug/l m
RT: 10.70 min Scan# 2777
Delta R.T. 0.07 min
Lab File: VN058462.D
Acq: 1 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	105.6	101.1	151.7
129	98.6	79.2	118.8
131	100.0	74.1	111.1





#65

Chlorobenzene

Concen: 45.827 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058462.D

Acq: 1 Oct 2019 14:02

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-4

Tot Ion:112 Resp: 504757

Ion Ratio Lower Upper

112 100

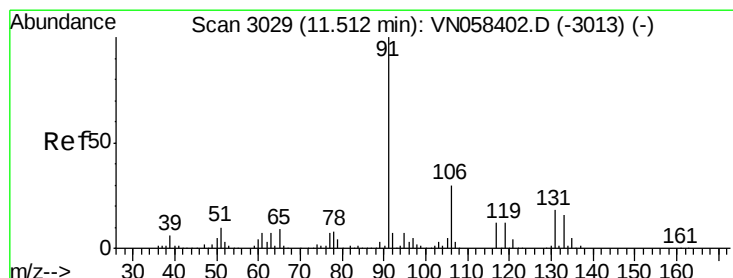
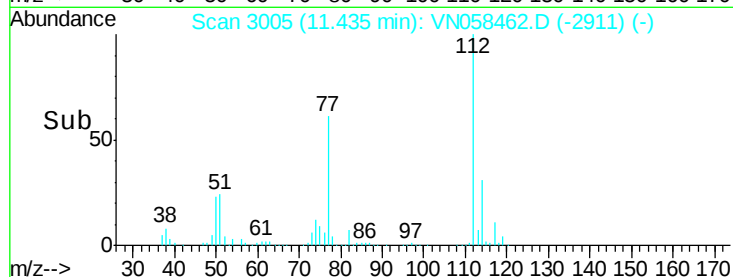
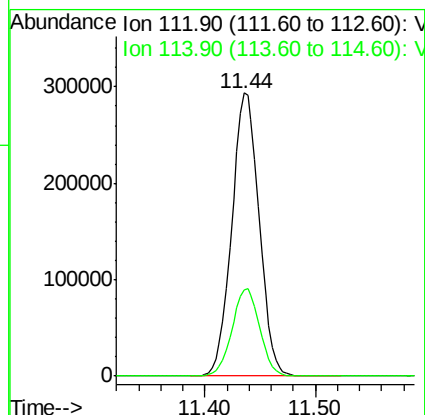
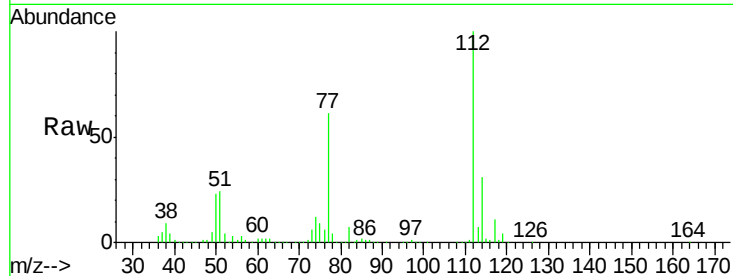
114 30.5 25.4 38.2

Manual Integrations

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#67

Ethyl Benzene

Concen: 44.666 ug/l

RT: 11.52 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN058462.D

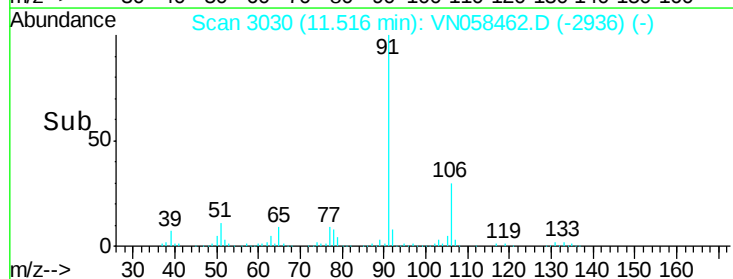
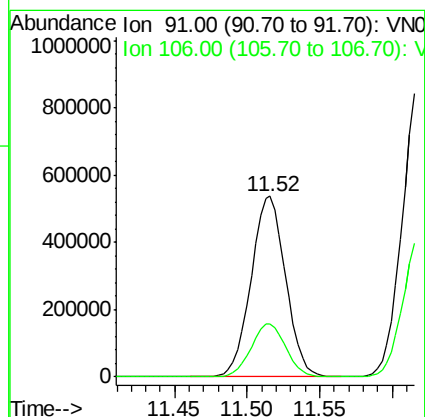
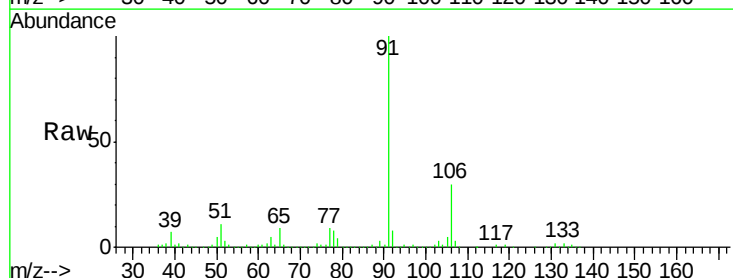
Acq: 1 Oct 2019 14:02

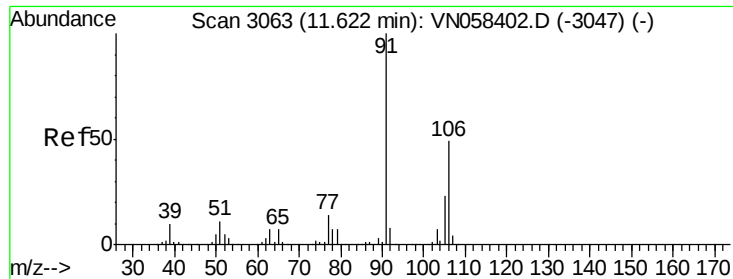
Tgt Ion: 91 Resp: 891103

Ion Ratio Lower Upper

91 100

106 29.7 24.3 36.5





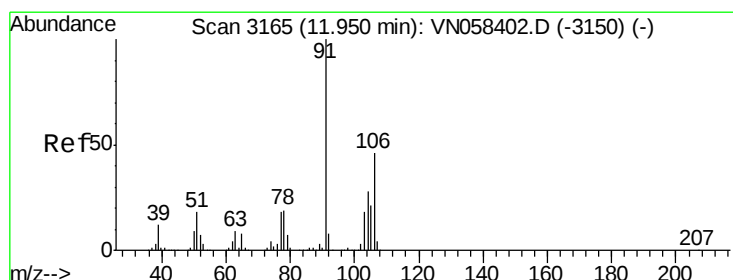
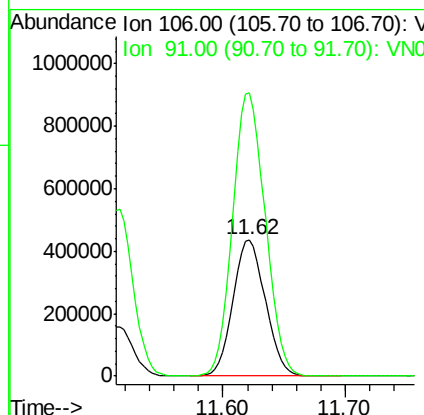
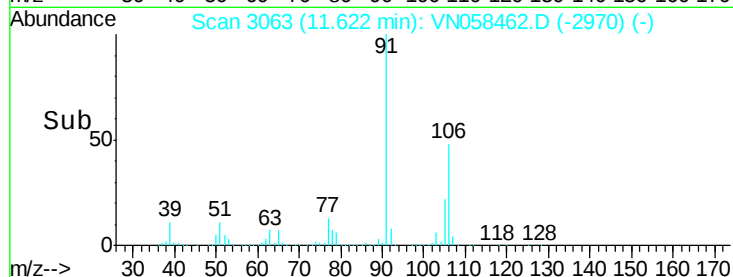
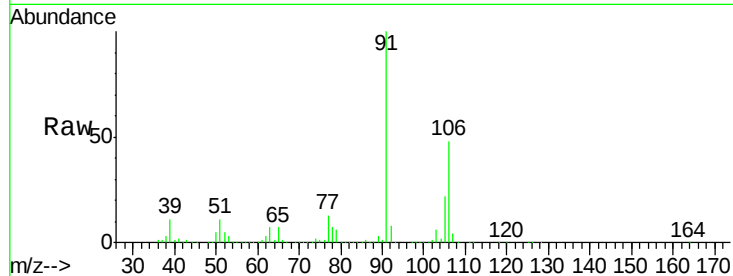
#68
m/p-Xylenes
Concen: 106.861 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058462.D
Acq: 1 Oct 2019 14:02

Instrument :
MSVOA_N
ClientSampled :
COMPOSITE-4

Tot Ion:106 Resp: 802113
Ion Ratio Lower Upper
106 100
91 210.2 165.0 247.4

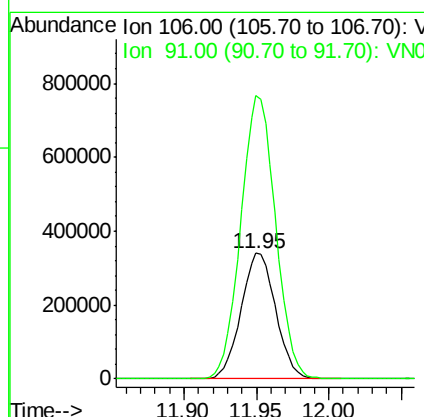
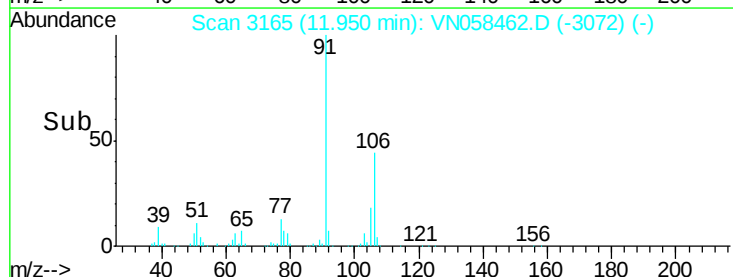
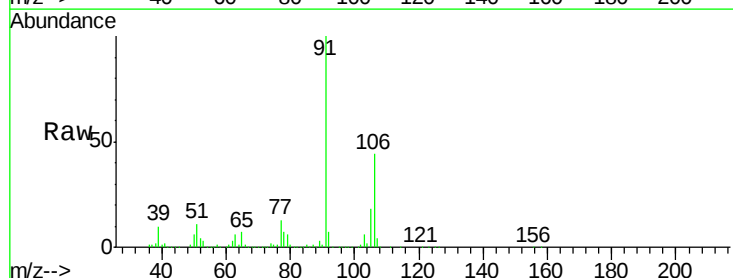
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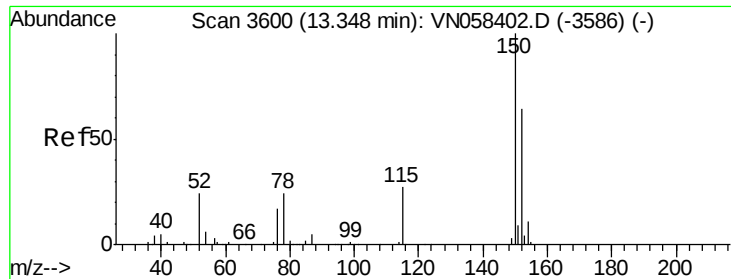
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#69
o-Xylene
Concen: 78.192 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058462.D
Acq: 1 Oct 2019 14:02

Tgt Ion:106 Resp: 564995
Ion Ratio Lower Upper
106 100
91 226.4 109.1 327.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058462.D

Acq: 1 Oct 2019 14:02

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-4

Tot Ion:152 Resp: 279425

Ion Ratio Lower Upper

152 100

115 61.8 30.0 90.0

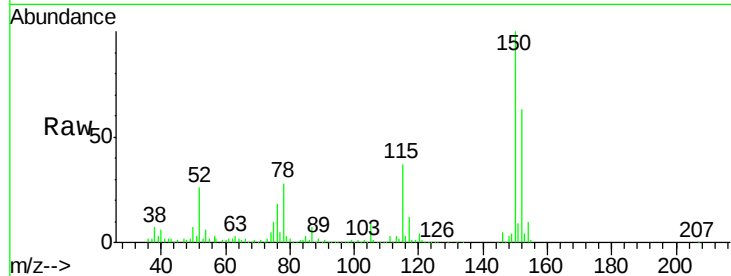
150 160.4 0.0 348.2

Manual Integrations

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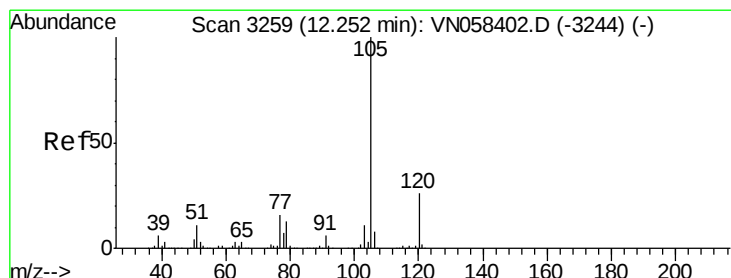
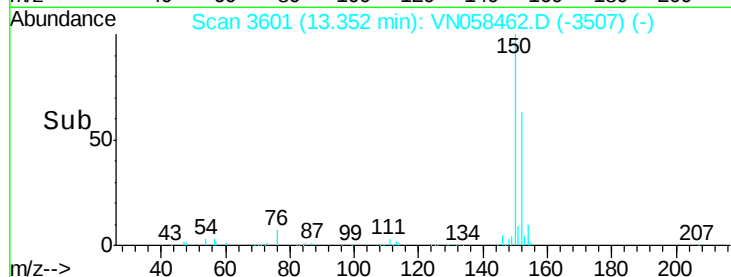
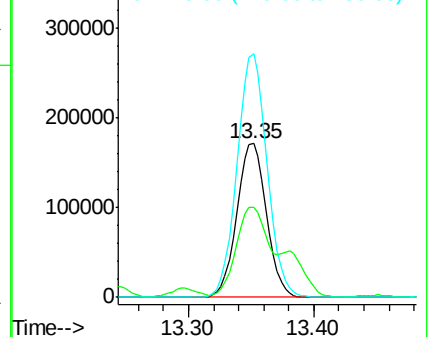
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 12.980 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058462.D

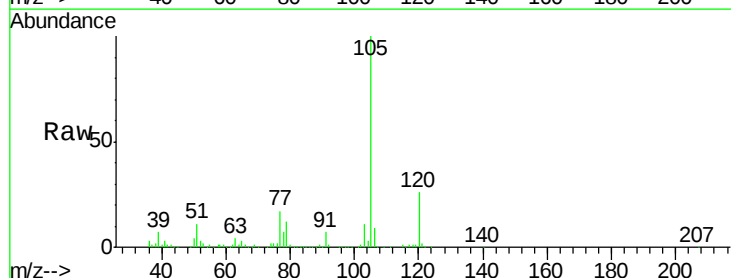
Acq: 1 Oct 2019 14:02

Tgt Ion:105 Resp: 268033

Ion Ratio Lower Upper

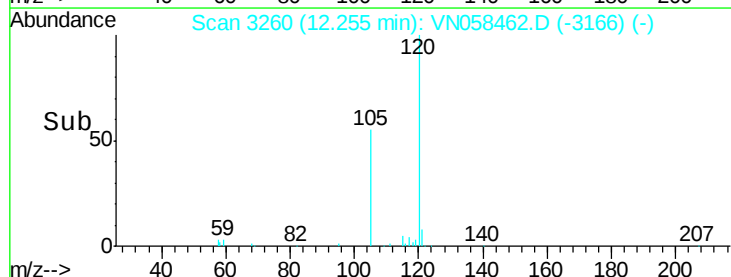
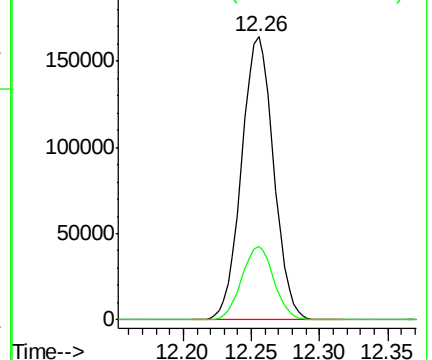
105 100

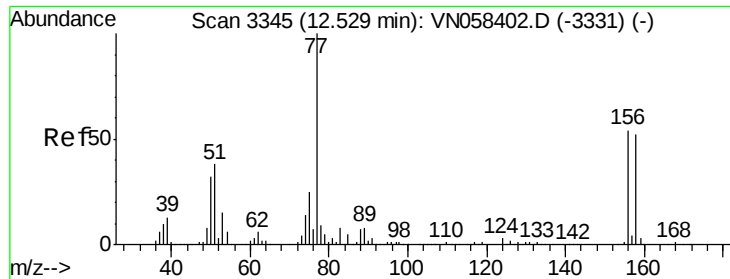
120 26.1 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

Bromobenzene

Concen: 0.947 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058462.D

Acq: 1 Oct 2019 14:02

Instrument :

MSVOA_N

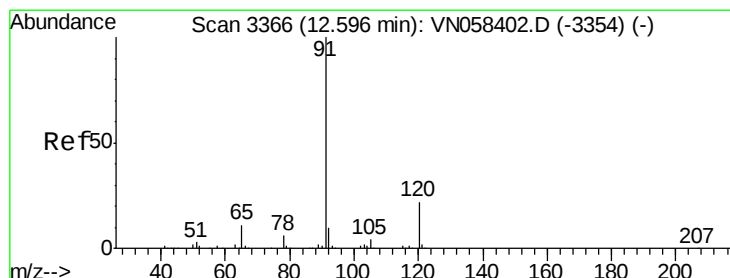
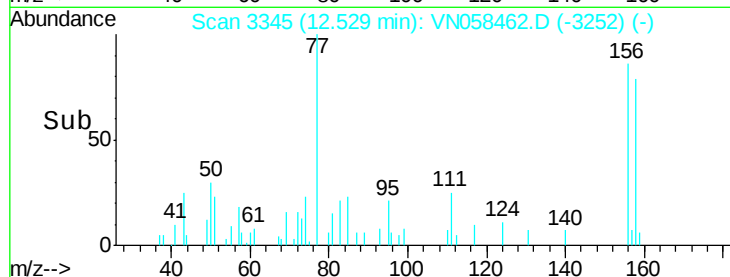
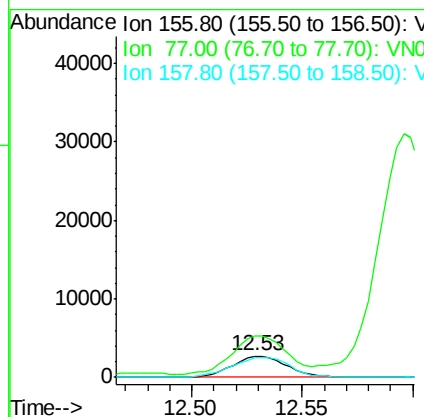
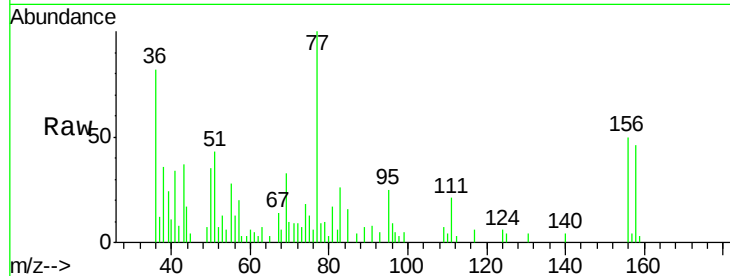
ClientSampleId :

COMPOSITE-4

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	0.0	110.0	330.0#	
158	100.1	47.9	143.8	

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#78

n-propylbenzene

Concen: 52.987 ug/l

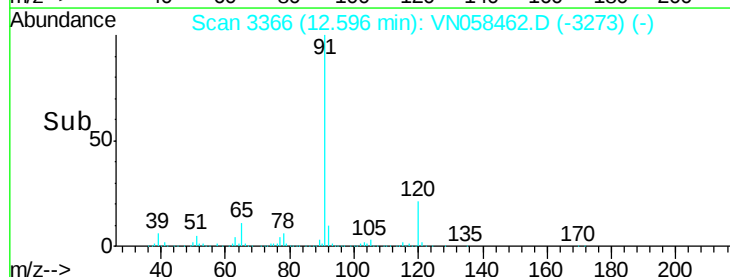
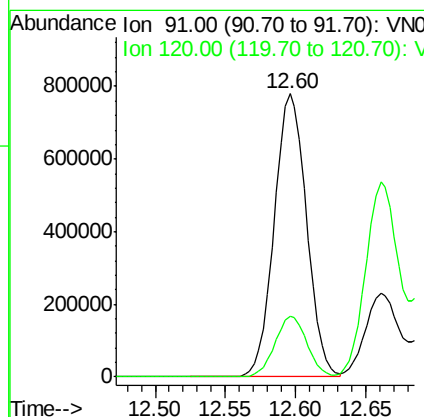
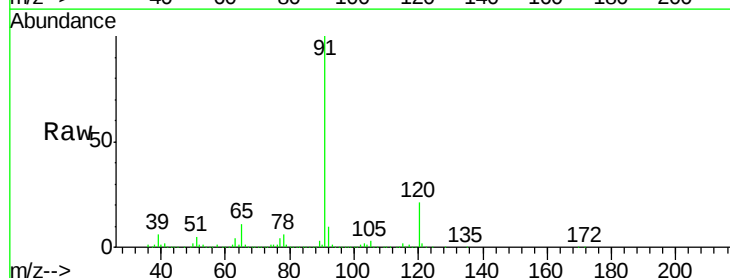
RT: 12.60 min Scan# 3366

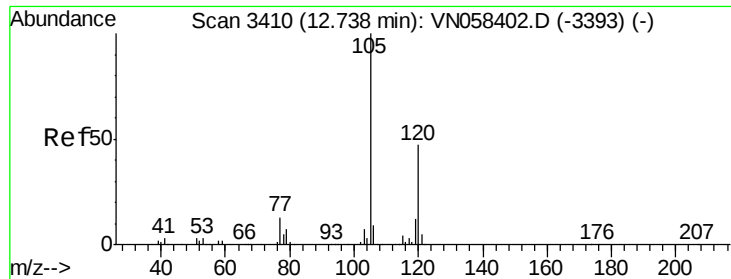
Delta R.T. -0.00 min

Lab File: VN058462.D

Acq: 1 Oct 2019 14:02

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.3	10.9	32.9	





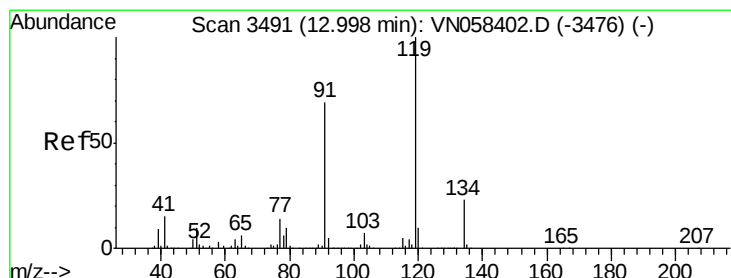
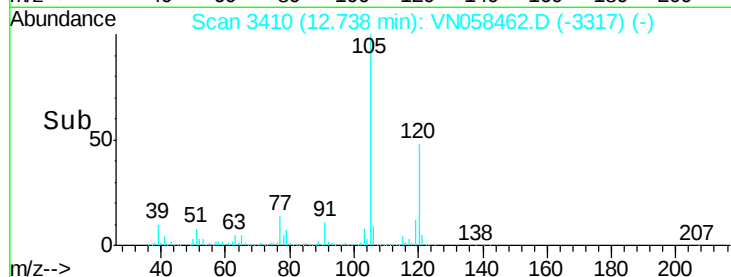
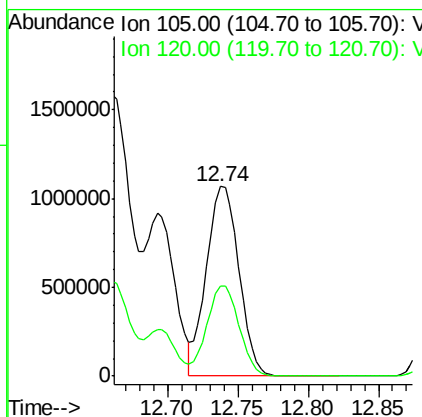
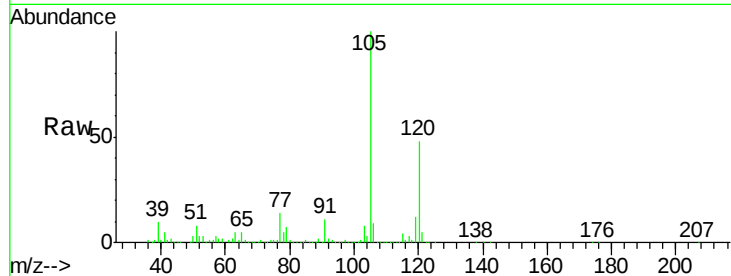
#80
1,3,5-Trimethylbenzene
Concen: 98.651 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. -0.00 min
Lab File: VN058462.D
Acq: 1 Oct 2019 14:02

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-4

Tot Ion:105 Resp: 1705306
Ion Ratio Lower Upper
105 100
120 47.0 23.5 70.6

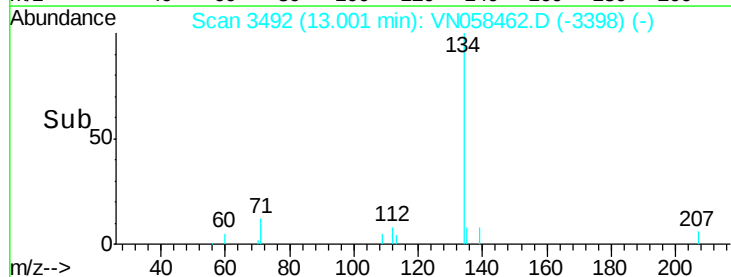
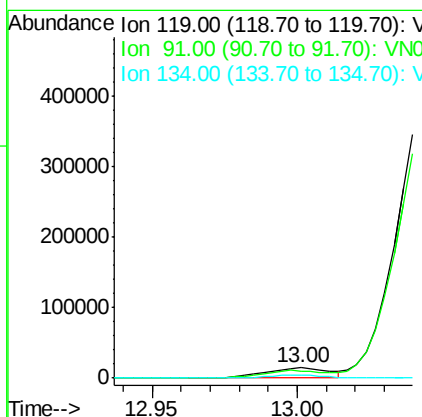
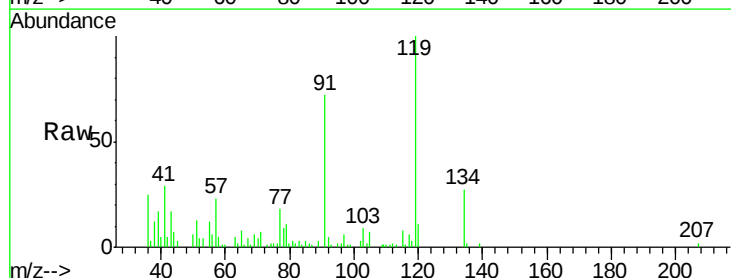
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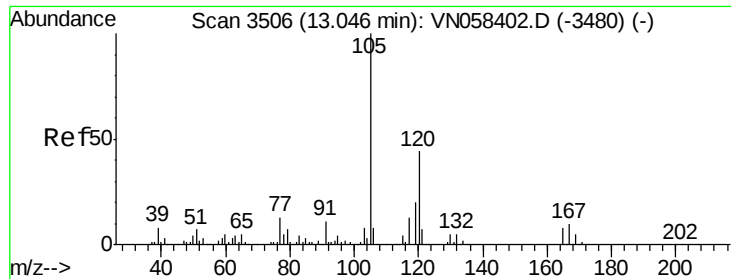
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#83
tert-Butylbenzene
Concen: 1.531 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058462.D
Acq: 1 Oct 2019 14:02

Tgt Ion:119 Resp: 22326
Ion Ratio Lower Upper
119 100
91 0.0 34.2 102.6#
134 26.8 11.6 34.8





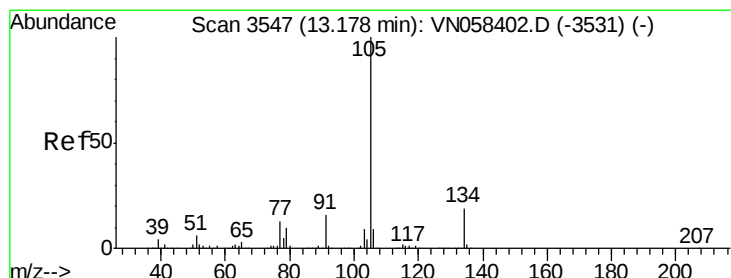
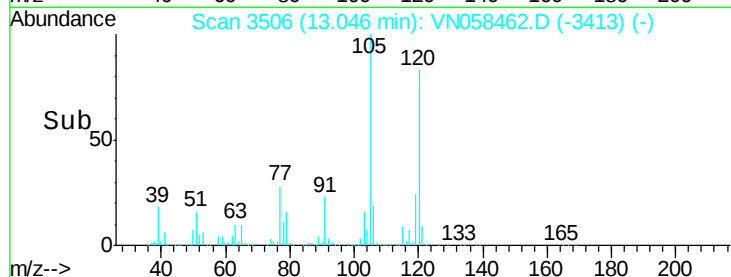
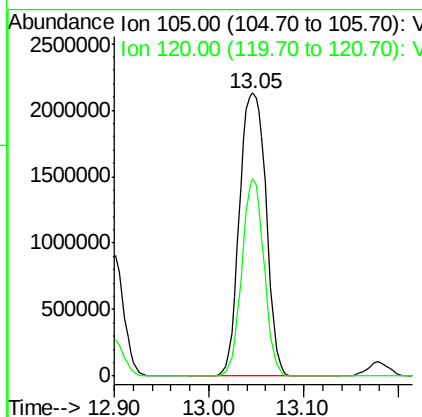
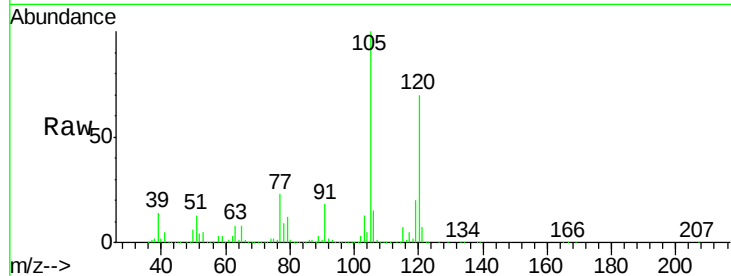
#84
 1,2,4-Trimethylbenzene
 Concen: 238.898 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058462.D
 Acq: 1 Oct 2019 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-4

Tot Ion:105 Resp: 4137521
 Ion Ratio Lower Upper
 105 100
 120 58.2 21.7 65.1

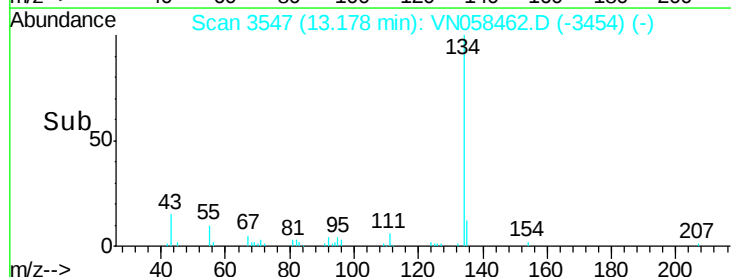
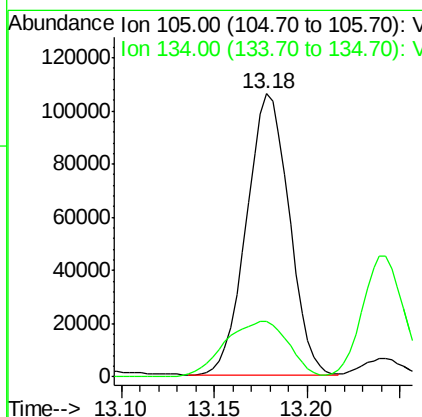
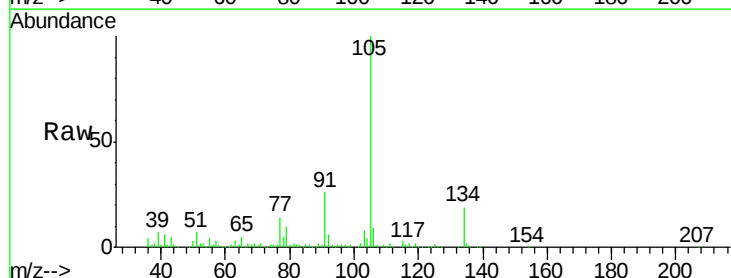
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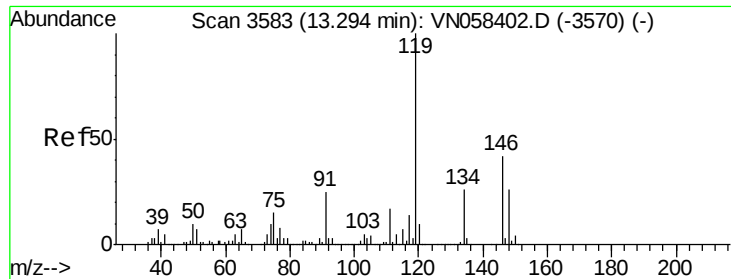
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#85
 sec-Butylbenzene
 Concen: 8.829 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058462.D
 Acq: 1 Oct 2019 14:02

Tgt Ion:105 Resp: 169511
 Ion Ratio Lower Upper
 105 100
 134 29.3 9.4 28.2#





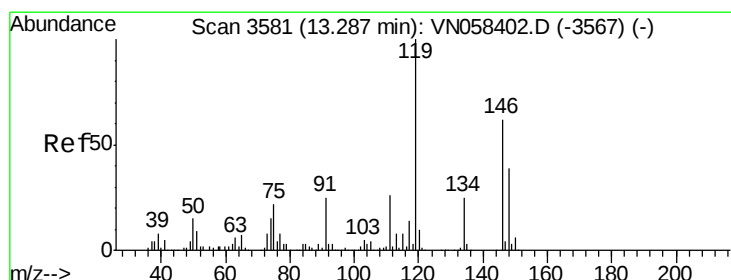
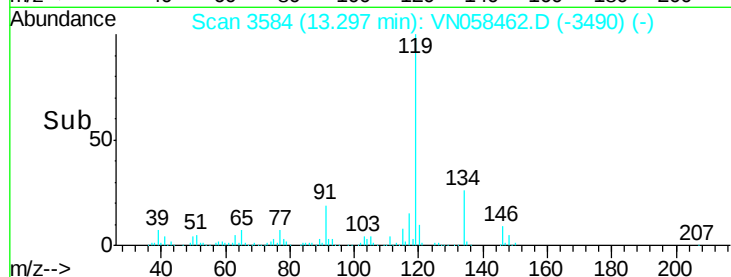
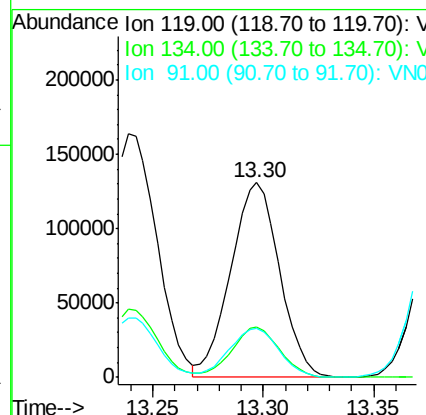
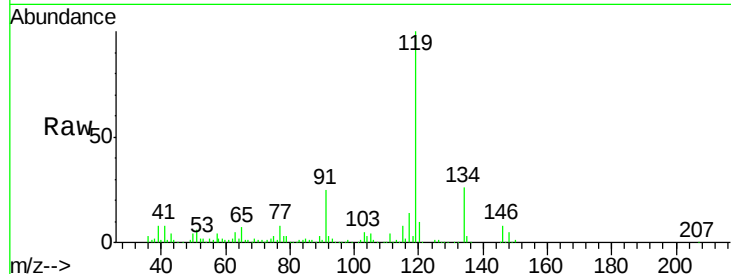
#86
 p-Isopropyltoluene
 Concen: 11.864 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058462.D
 Acq: 1 Oct 2019 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-4

Tot Ion	Ratio	Resp	Lower	Upper
119	100	200496		
134	24.9		13.0	39.0
91	25.1		12.4	37.0

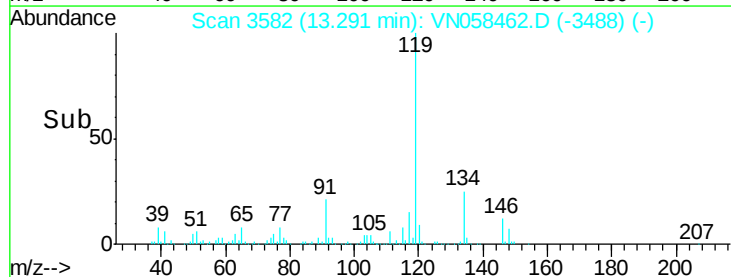
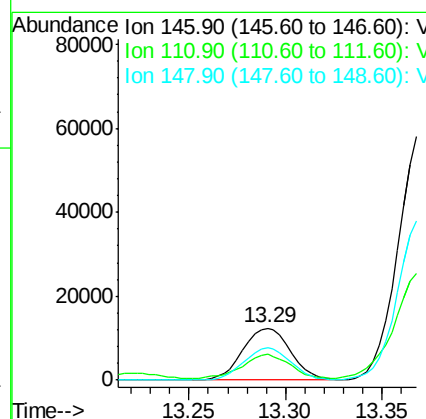
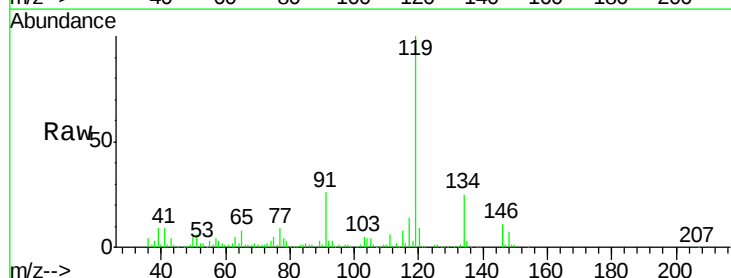
Manual Integrations
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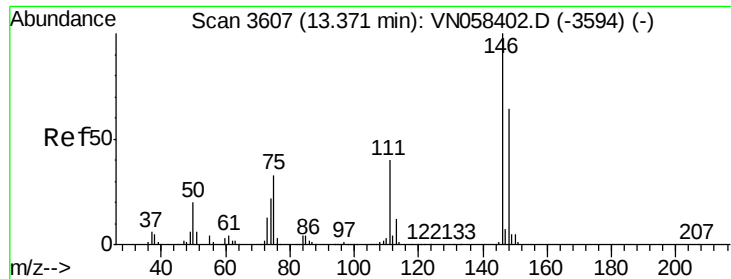
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#87
 1,3-Dichlorobenzene
 Concen: 2.404 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058462.D
 Acq: 1 Oct 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	21110		
111	46.0		20.8	62.4
148	61.0		31.4	94.3





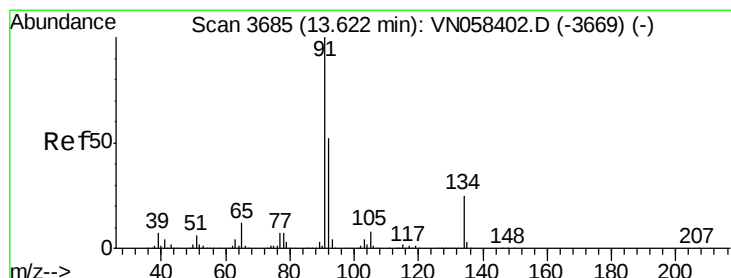
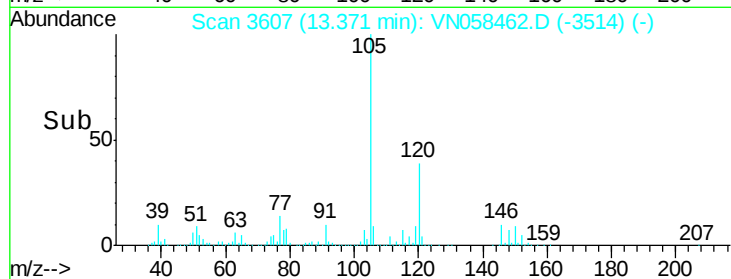
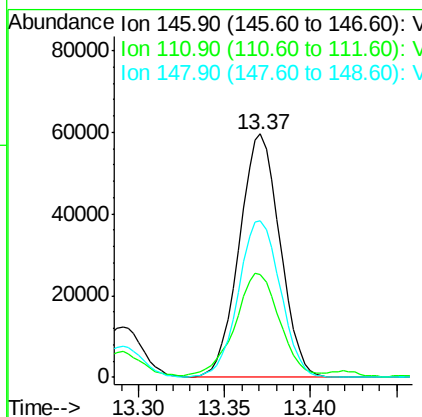
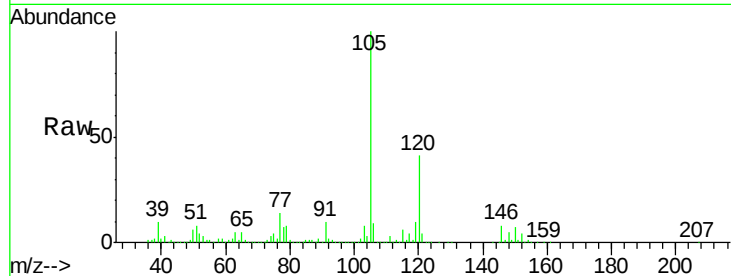
#88
 1,4-Dichlorobenzene
 Concen: 11.227 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058462.D
 Acq: 1 Oct 2019 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-4

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	20.5	61.6
148	66.1	31.5	94.5

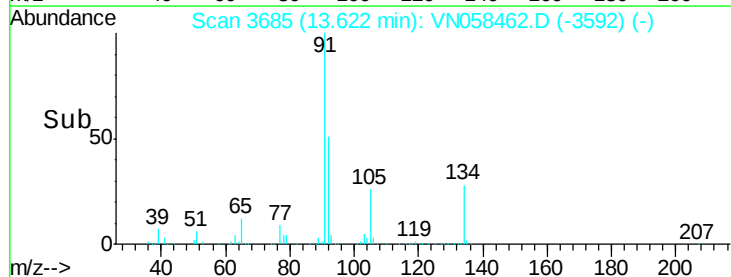
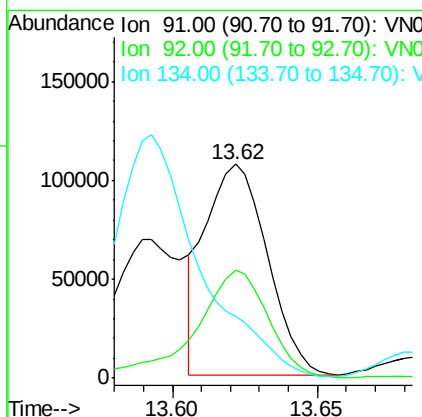
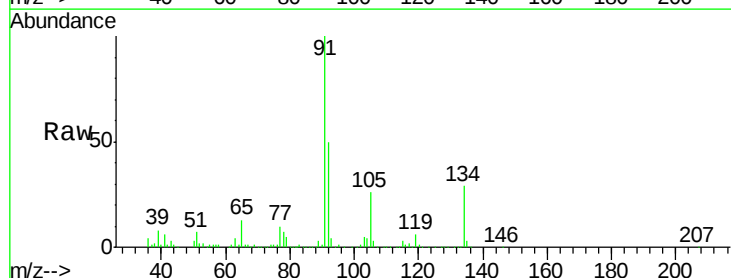
Manual Integrations
 APPROVED

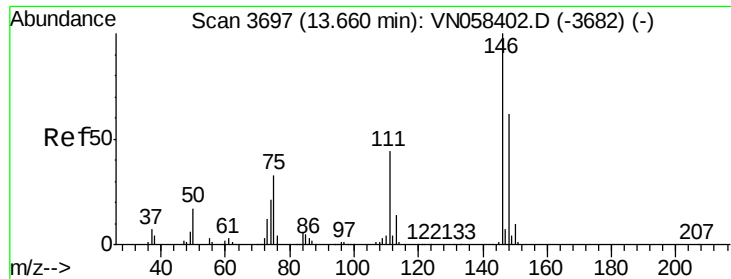
MMDadoda
 10/3/2019 12:20:27 PM



#89
 n-Butylbenzene
 Concen: 10.297 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058462.D
 Acq: 1 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.8	25.7	77.1
134	0.0	12.2	36.6#





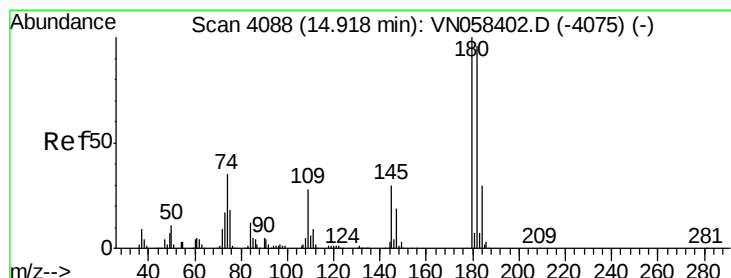
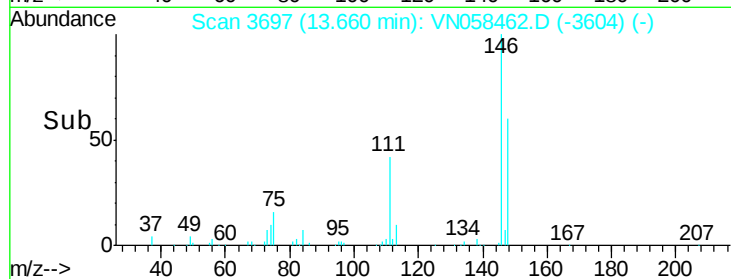
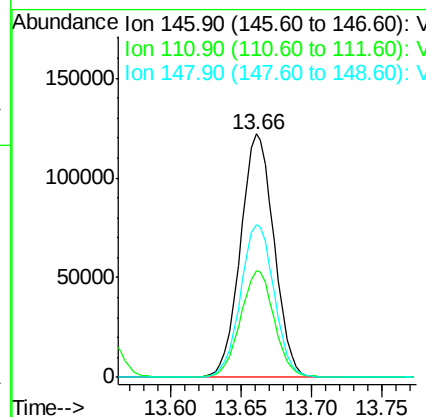
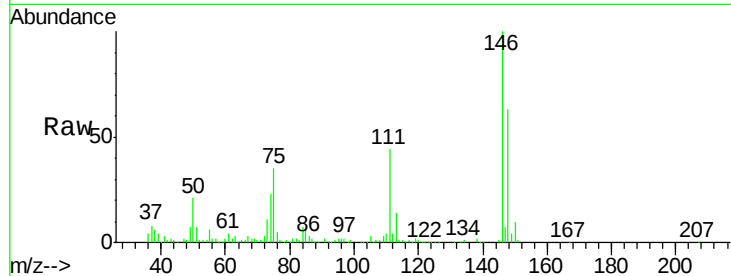
#91
 1,2-Dichlorobenzene
 Concen: 24.091 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058462.D
 Acq: 1 Oct 2019 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-4

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	62.8	31.5	94.5

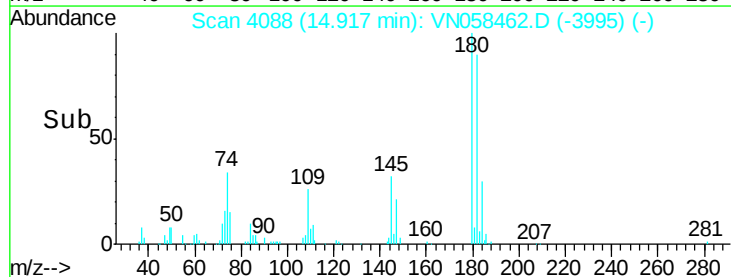
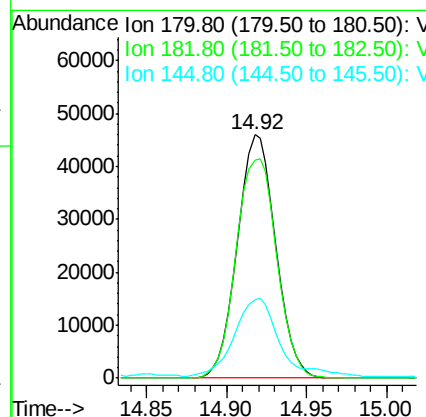
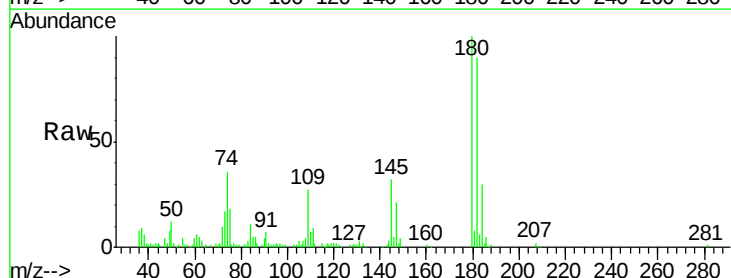
Manual Integrations
 APPROVED

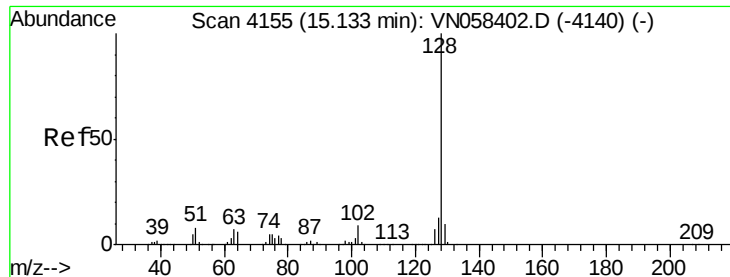
MMDadoda
 10/3/2019 12:20:27 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 16.071 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058462.D
 Acq: 1 Oct 2019 14:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.4	142.3
145	38.5	15.3	45.9





#95

Naphthalene

Concen: 51.410 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058462.D

Acq: 1 Oct 2019 14:02

Instrument :

MSVOA_N

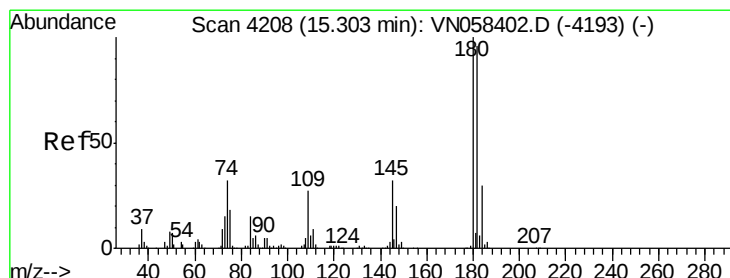
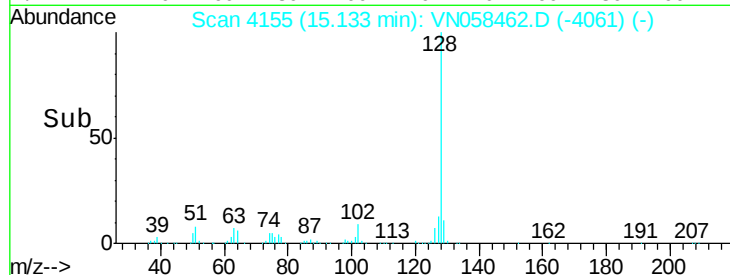
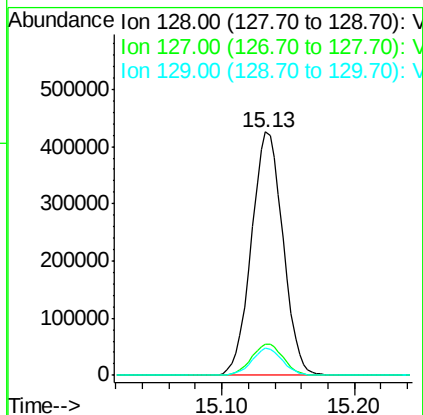
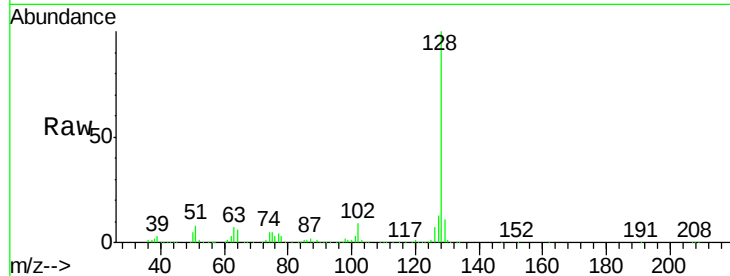
ClientSampled :

COMPOSITE-4

Tot Ion:	128	Resp:	701833
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	10.9	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:20:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 4.409 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058462.D

Acq: 1 Oct 2019 14:02

Tgt Ion:	180	Resp:	20715
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.3	144.9
145	40.2	16.1	48.3

