

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081618\
 Data File : VN050692.D
 Acq On : 16 Aug 2018 10:41
 Operator : MD\SY
 Sample : VN0816WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/17/2018 3:55:27 PM

Quant Time: Aug 17 03:49:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	631526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	901167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	823188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	404312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	395623	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
35) Dibromofluoromethane	7.59	113	373429	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.09	98	1396326	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.40	95	439525	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	130558	18.34	ug/l	96
3) Chloromethane	2.06	50	167587	19.01	ug/l	100
4) Vinyl Chloride	2.18	62	171677	18.15	ug/l	99
5) Bromomethane	2.56	94	99246	18.19	ug/l	99
6) Chloroethane	2.70	64	106230	19.24	ug/l	99
7) Trichlorofluoromethane	3.01	101	228518	18.41	ug/l	98
8) Diethyl Ether	3.41	74	75101	18.19	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	145250	19.35	ug/l	99
10) Methyl Iodide	3.95	142	90127	21.50	ug/l	100
11) Tert butyl alcohol	4.79	59	41586	95.67	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	124030	18.10	ug/l	99
13) Acrolein	3.61	56	11578	62.38	ug/l	99
14) Allyl chloride	4.32	41	196576	18.44	ug/l	98
15) Acrylonitrile	5.00	53	221676	92.86	ug/l	99
16) Acetone	3.82	43	200333	99.92	ug/l	97
17) Carbon Disulfide	4.05	76	386288	17.91	ug/l	99
18) Methyl Acetate	4.33	43	114523	19.88	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	324178	18.59	ug/l	98
20) Methylene Chloride	4.55	84	150531	19.11	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	136250	18.34	ug/l	99
22) Diisopropyl ether	5.96	45	430809	19.71	ug/l	98
23) Vinyl Acetate	5.90	43	1354143	94.72	ug/l	99
24) 1,1-Dichloroethane	5.85	63	260115	18.40	ug/l	99
25) 2-Butanone	6.84	43	313499	96.05	ug/l	98
26) 2,2-Dichloropropane	6.82	77	208562	22.04	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	154049	18.62	ug/l	99
28) Bromochloromethane	7.20	49	121401	18.86	ug/l	100
29) Tetrahydrofuran	7.22	42	161124	94.55	ug/l	99
30) Chloroform	7.37	83	262762	18.34	ug/l	98
31) Cyclohexane	7.65	56	230873	18.92	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	222125	18.42	ug/l	99
36) 1,1-Dichloropropene	7.79	75	197031	19.64	ug/l	99
37) Ethyl Acetate	6.93	43	112569	19.85	ug/l	99
38) Carbon Tetrachloride	7.77	117	201362	19.35	ug/l	100

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	209305	20.15	ug/l	99
40) Benzene	8.04	78	599253	19.64	ug/l	100
41) Methacrylonitrile	7.18	41	60943	19.88	ug/l	98
42) 1,2-Dichloroethane	8.13	62	179841	19.23	ug/l	100
43) Isopropyl Acetate	8.17	43	199827	19.34	ug/l	99
44) Trichloroethene	8.84	130	157629	19.28	ug/l	99
45) 1,2-Dichloropropane	9.12	63	159360	19.61	ug/l	98
46) Dibromomethane	9.21	93	93773	19.55	ug/l	95
47) Bromodichloromethane	9.40	83	194346	18.95	ug/l	99
48) Methyl methacrylate	9.20	41	94288	18.13	ug/l	98
49) 1,4-Dioxane	9.20	88	25670	374.74	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	703507	100.66	ug/l	99
52) Toluene	10.16	92	369005	20.25	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	187045	19.58	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	222258	20.28	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	133977	19.68	ug/l	99
56) Ethyl methacrylate	10.43	69	148879	18.40	ug/l	99
57) 1,3-Dichloropropane	10.71	76	218732	19.60	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	368380	95.29	ug/l	100
59) 2-Hexanone	10.75	43	452724	100.36	ug/l	99
60) Dibromochloromethane	10.90	129	147042	19.57	ug/l	100
61) 1,2-Dibromoethane	11.01	107	127346	19.64	ug/l	98
64) Tetrachloroethene	10.63	164	146309	19.14	ug/l	98
65) Chlorobenzene	11.43	112	398166	19.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	149478	19.46	ug/l	99
67) Ethyl Benzene	11.51	91	653066	19.74	ug/l	99
68) m/p-Xylenes	11.62	106	515410	40.74	ug/l	100
69) o-Xylene	11.95	106	239482	19.85	ug/l	99
70) Styrene	11.97	104	387484	18.66	ug/l	100
71) Bromoform	12.13	173	100118	19.66	ug/l #	98
73) Isopropylbenzene	12.25	105	648892	20.54	ug/l	99
74) N-amyl acetate	12.07	43	153912	18.73	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	164000	21.01	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	118777m	17.52	ug/l	
77) Bromobenzene	12.53	156	163866	19.11	ug/l	98
78) n-propylbenzene	12.59	91	736109	20.90	ug/l	98
79) 2-Chlorotoluene	12.67	91	445720	20.30	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	534945	21.15	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35463	19.50	ug/l	94
82) 4-Chlorotoluene	12.77	91	443919	20.46	ug/l	100
83) tert-Butylbenzene	12.99	119	440358	20.06	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	544622	21.45	ug/l	99
85) sec-Butylbenzene	13.17	105	600247	20.92	ug/l	100
86) p-Isopropyltoluene	13.29	119	515136	21.19	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	284078	19.46	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	277508	19.15	ug/l	99
89) n-Butylbenzene	13.62	91	389521	19.84	ug/l	98
90) Hexachloroethane	13.88	117	94461	19.32	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	280284	19.68	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22352	19.83	ug/l	95

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ClientSampleId :
VN0816WBS01

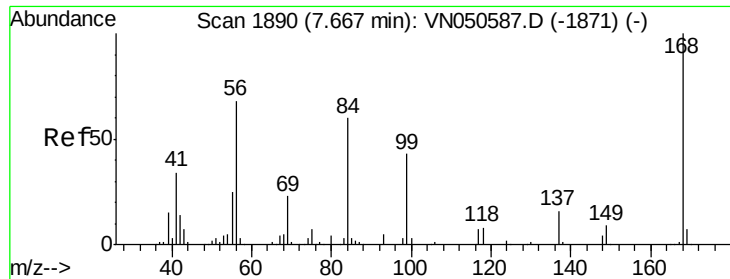
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	116032	17.70	ug/l	99
94) Hexachlorobutadiene	15.01	225	87489	20.03	ug/l	99
95) Naphthalene	15.14	128	213804	16.55	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	114819	18.10	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBS01

Tot Ion:168 Resp: 631526

Ion Ratio Lower Upper

168 100

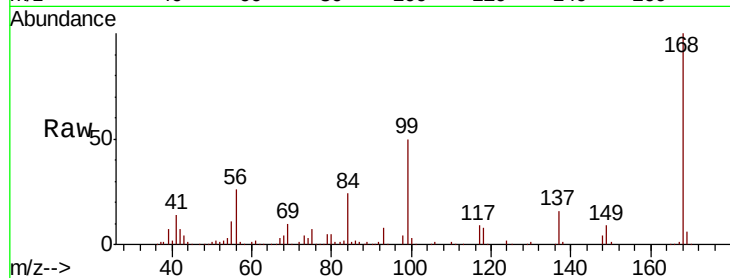
99 49.8 40.8 61.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

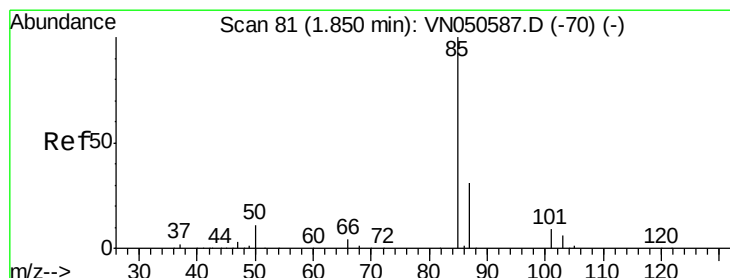
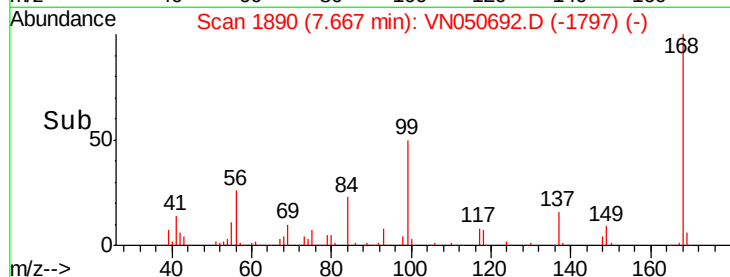
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.34 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050692.D

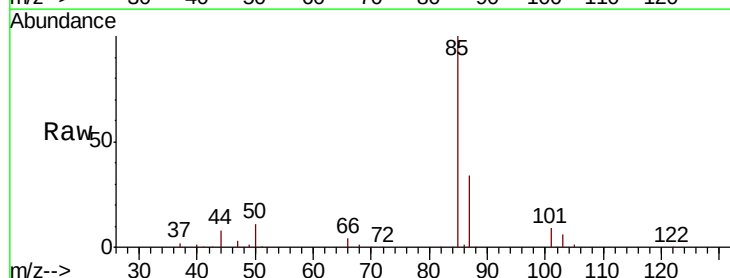
Acq: 16 Aug 2018 10:41

Tgt Ion: 85 Resp: 130558

Ion Ratio Lower Upper

85 100

87 33.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

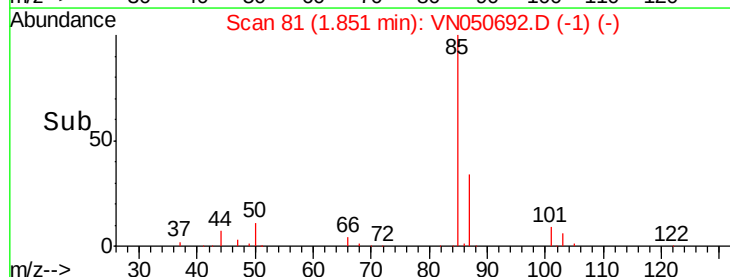
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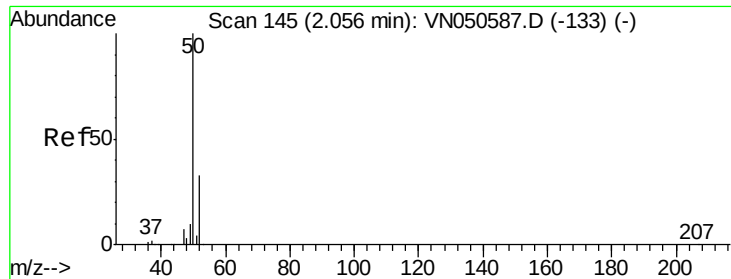
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.01 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBS01

Tot Ion: 50 Resp: 167587

Ion Ratio Lower Upper

50 100

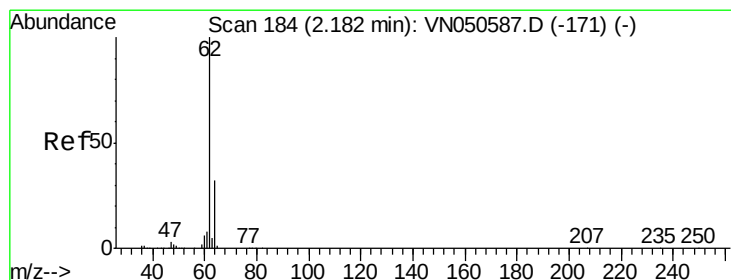
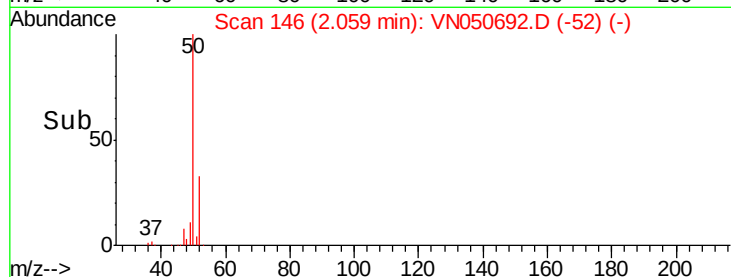
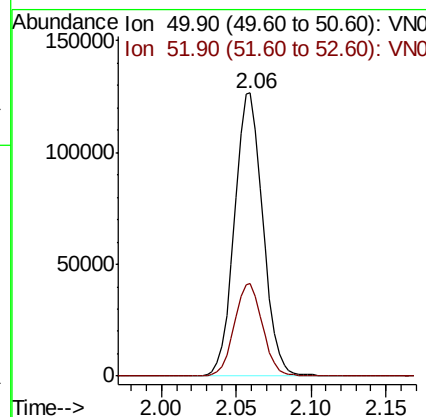
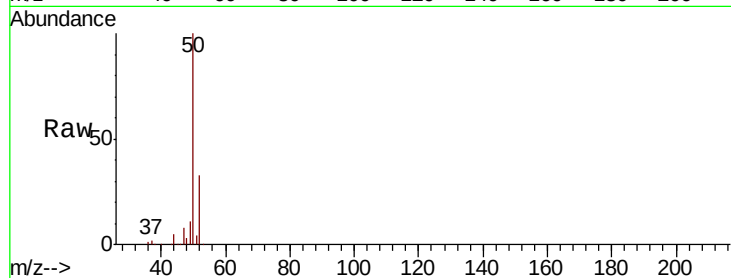
52 32.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.15 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050692.D

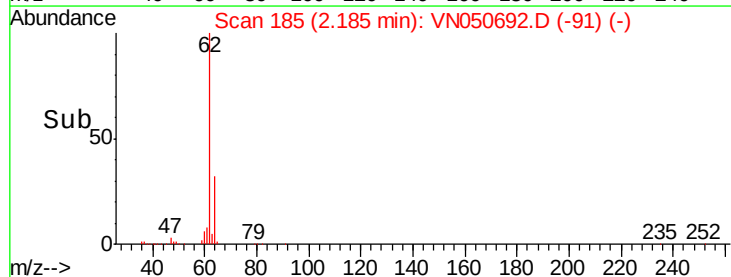
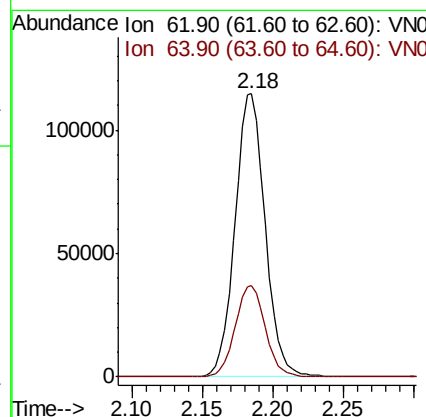
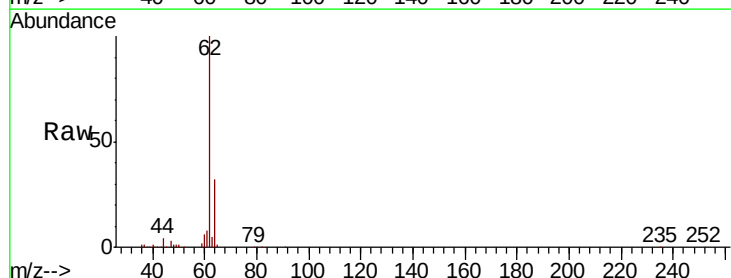
Acq: 16 Aug 2018 10:41

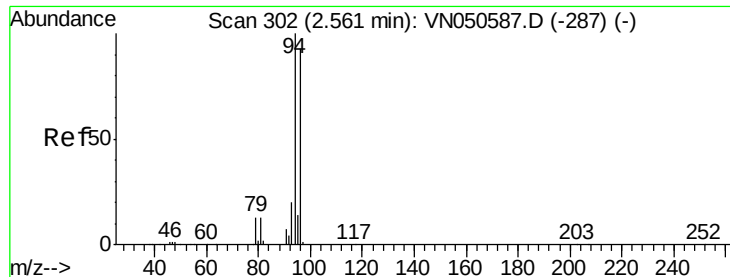
Tgt Ion: 62 Resp: 171677

Ion Ratio Lower Upper

62 100

64 32.3 25.2 37.8





#5

Bromomethane

Concen: 18.19 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBS01

Tot Ion: 94 Resp: 99246

Ion Ratio Lower Upper

94 100

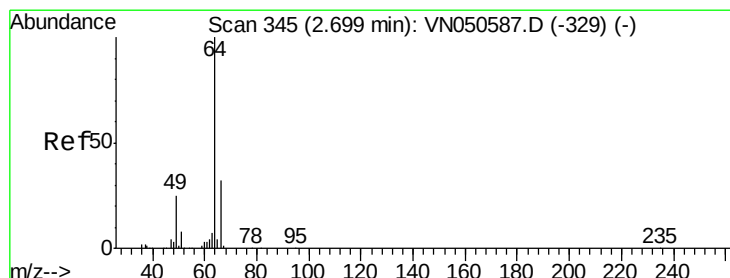
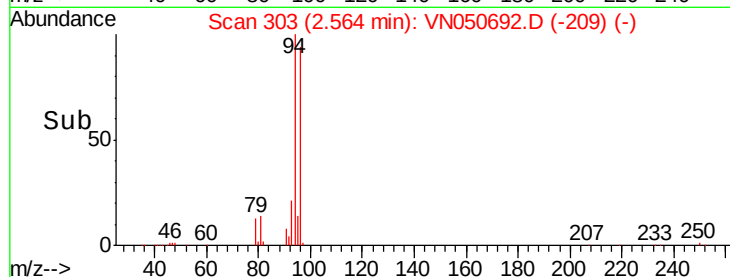
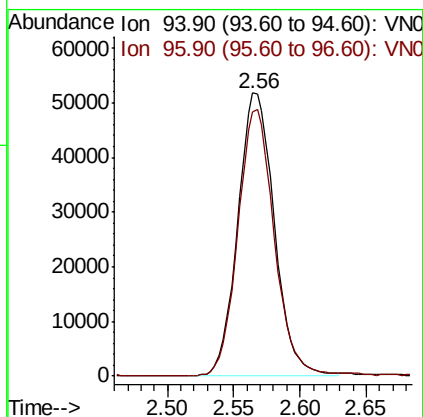
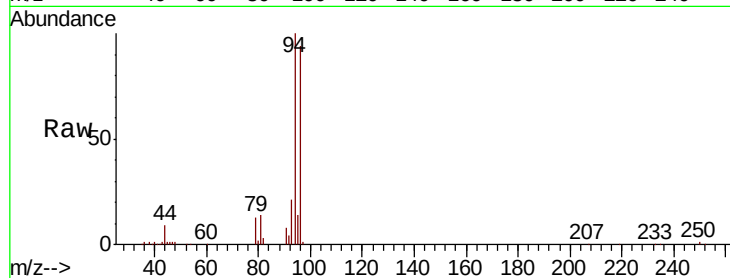
96 93.6 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 19.24 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050692.D

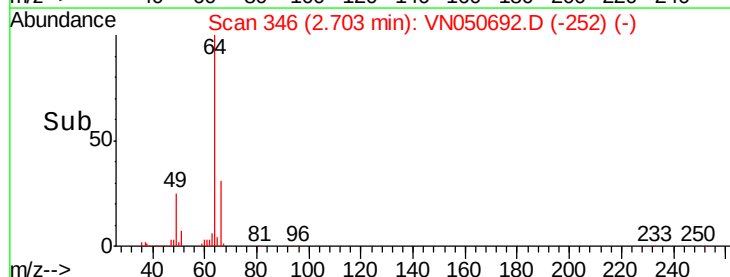
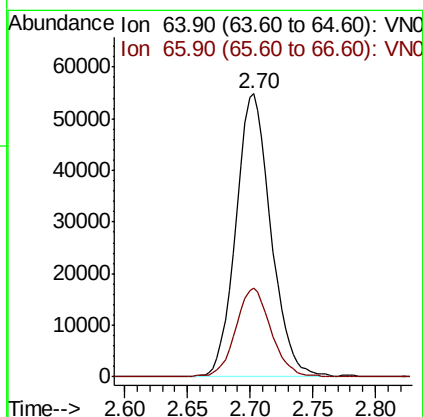
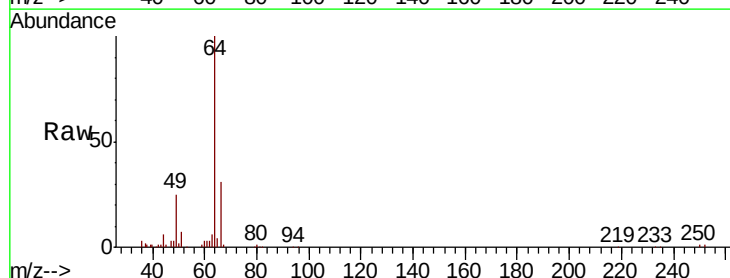
Acq: 16 Aug 2018 10:41

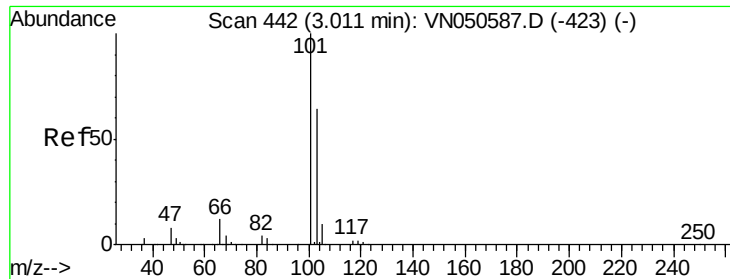
Tgt Ion: 64 Resp: 106230

Ion Ratio Lower Upper

64 100

66 31.5 25.7 38.5





#7

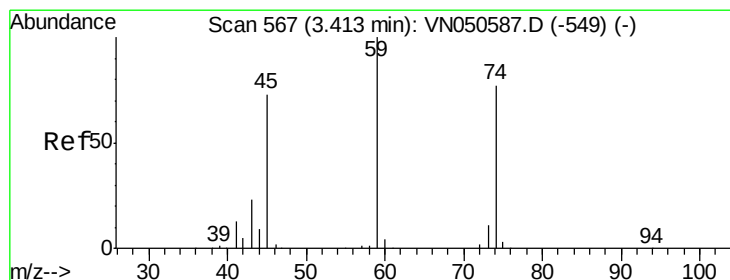
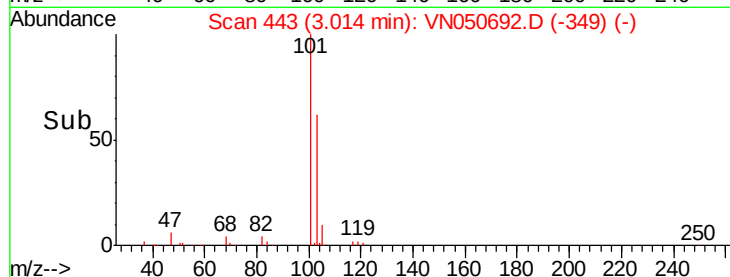
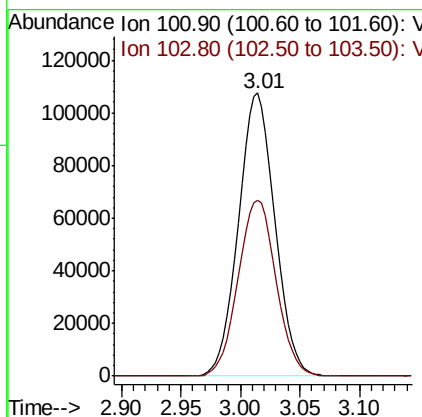
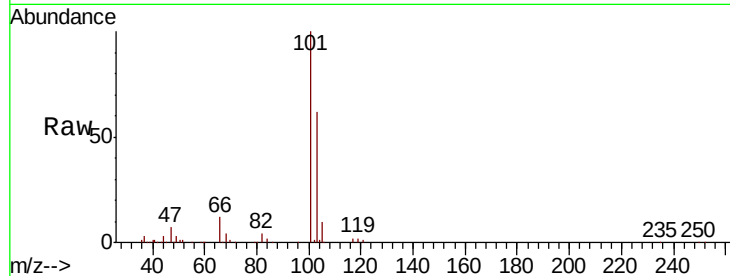
Trichlorofluoromethane
Concen: 18.41 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Instrument :
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ClientSampleId :
VN0816WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.4	77.0

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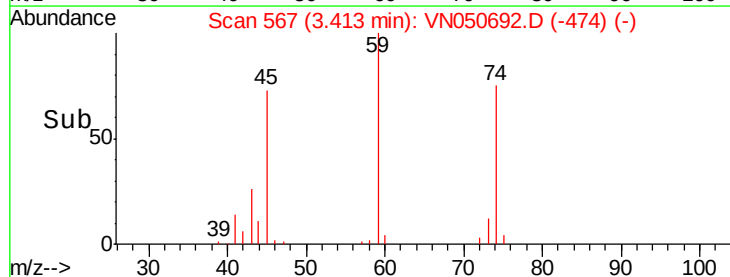
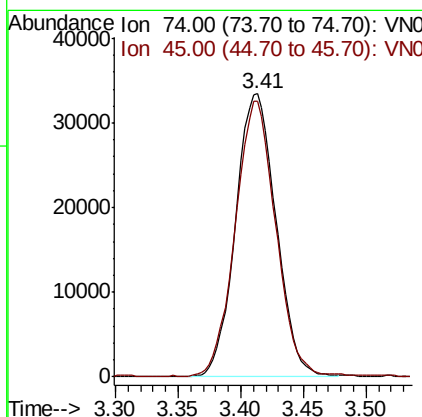
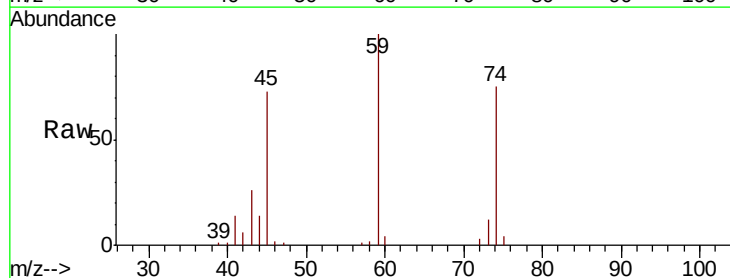
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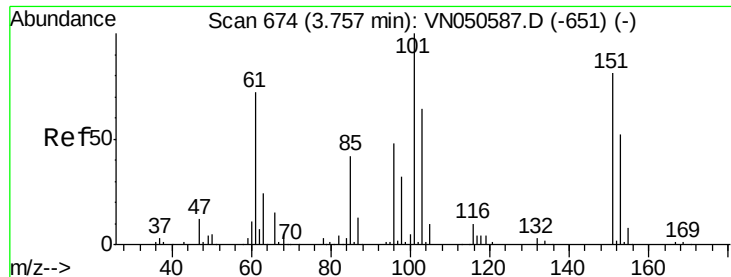


#8

Diethyl Ether
Concen: 18.19 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.35 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

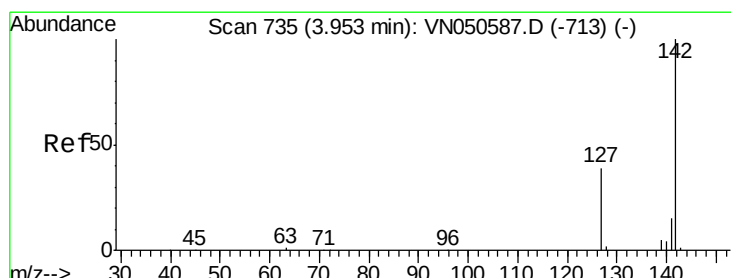
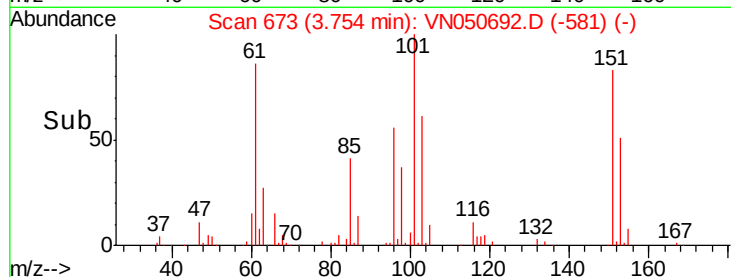
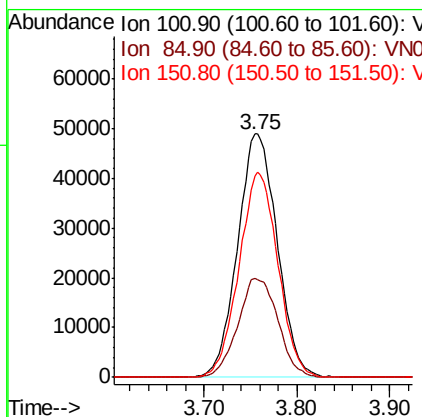
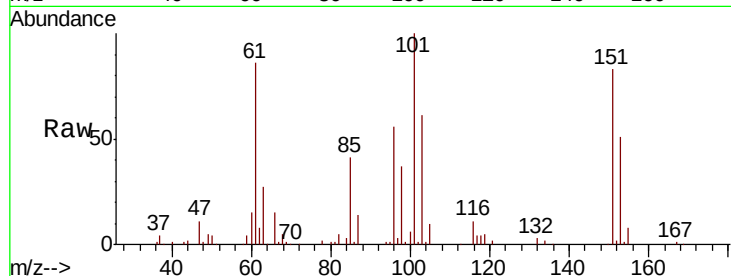
ClientSampleId :

VN0816WBS01

Tot Ion:	101	Resp:	145250
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.4	50.0
151	82.6	66.6	100.0

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#10

Methyl Iodide

Concen: 21.50 ug/l

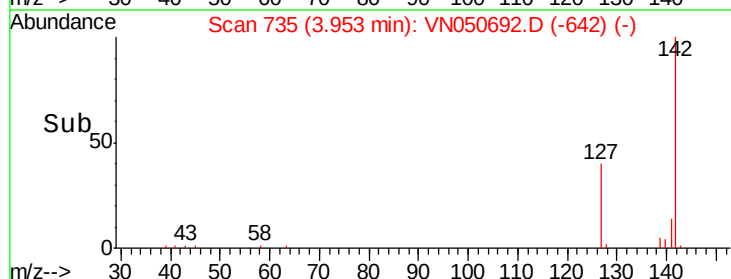
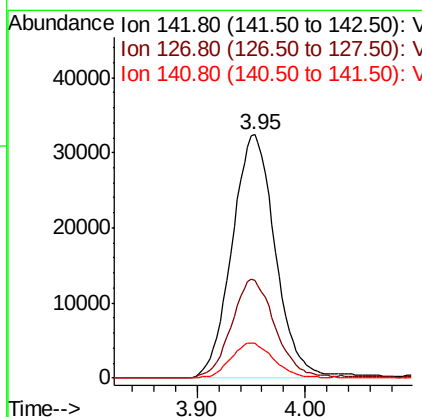
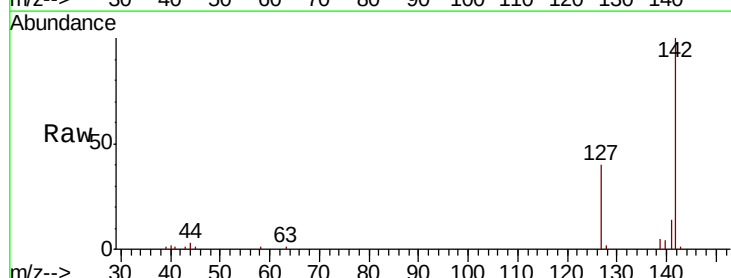
RT: 3.95 min Scan# 735

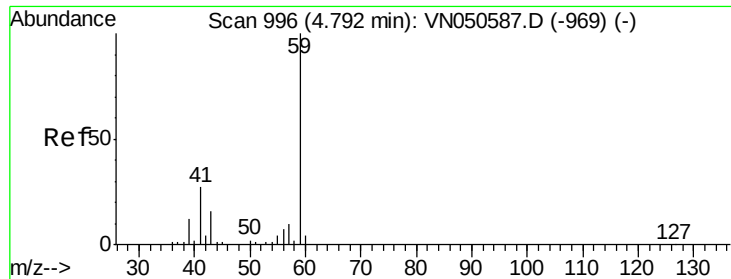
Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Tgt Ion:	142	Resp:	90127
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.6	49.0
141	14.2	11.5	17.3





#11

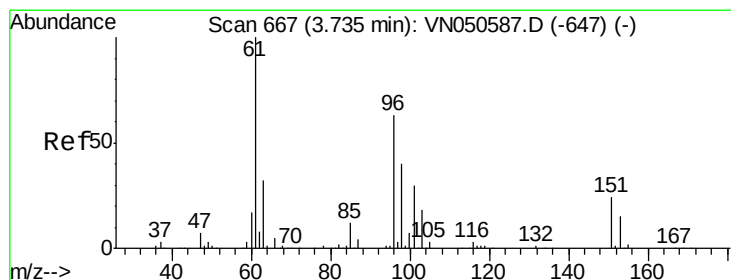
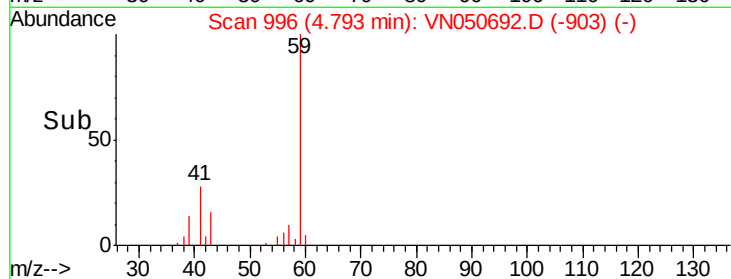
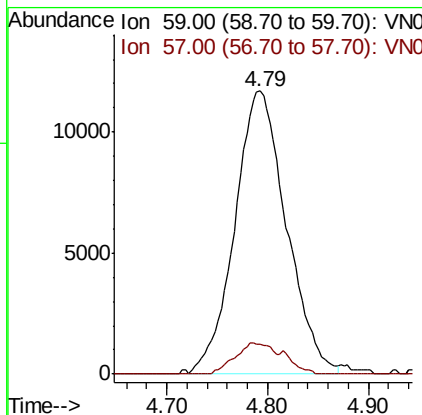
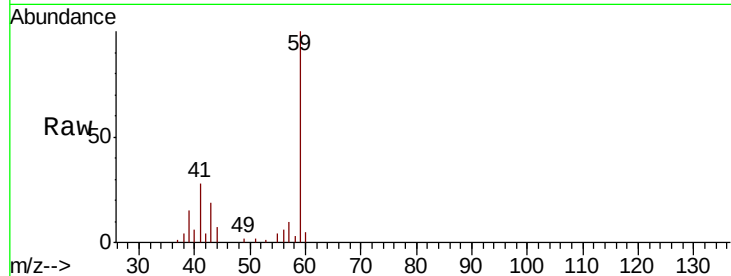
Tert butyl alcohol
 Concen: 95.67 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0816WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.9	8.4	12.6#

Manual Integrations
 APPROVED

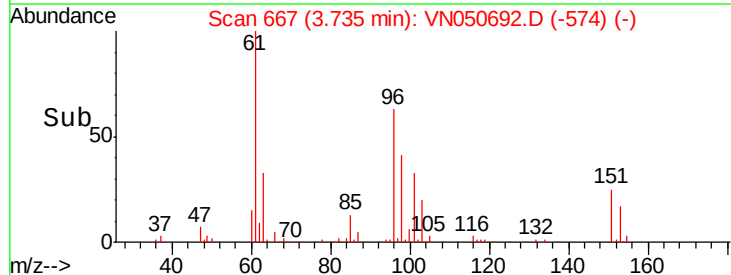
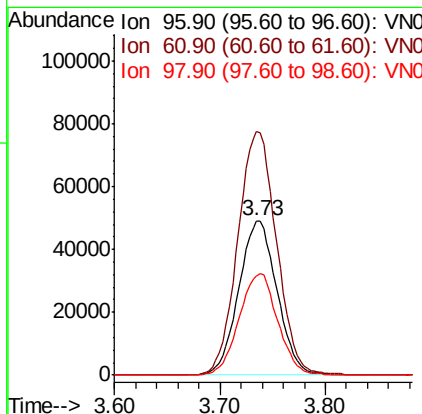
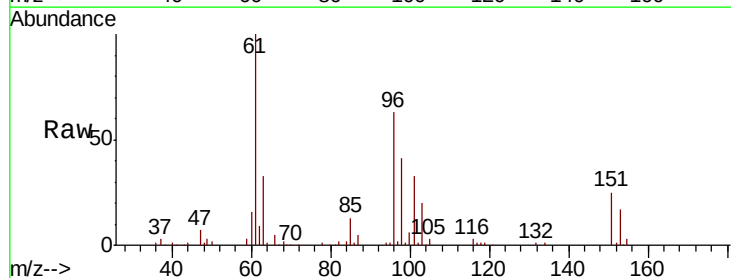
MMDadoda
 8/17/2018 3:55:27 PM

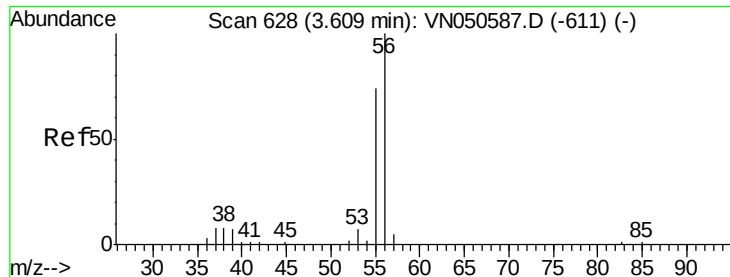


#12

1,1-Dichloroethene
 Concen: 18.10 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.8	126.9	190.3
98	64.6	51.1	76.7





#13

Acrolein

Concen: 62.38 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBS01

Tot Ion: 56 Resp: 11578

Ion Ratio Lower Upper

56 100

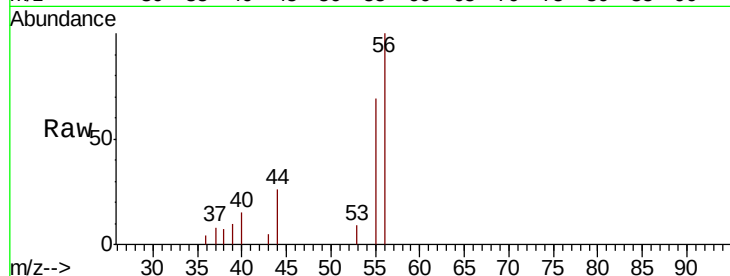
55 71.4 56.3 84.5

Manual Integrations

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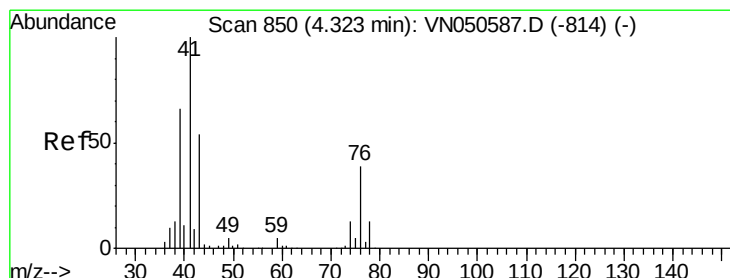
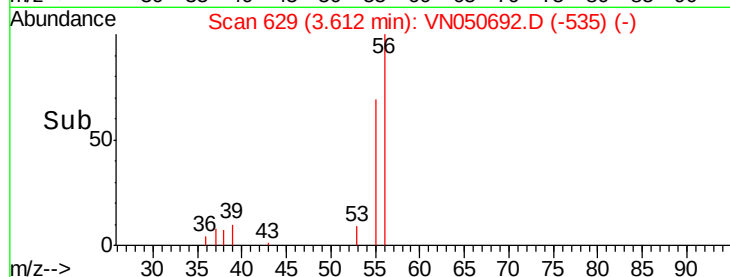
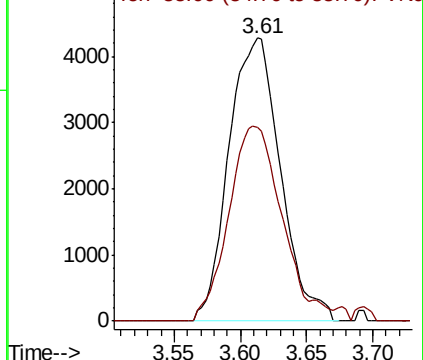
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN050587.D (-611) (-)

Ion 55.00 (54.70 to 55.70): VN050587.D (-611) (-)



#14

Allyl chloride

Concen: 18.44 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

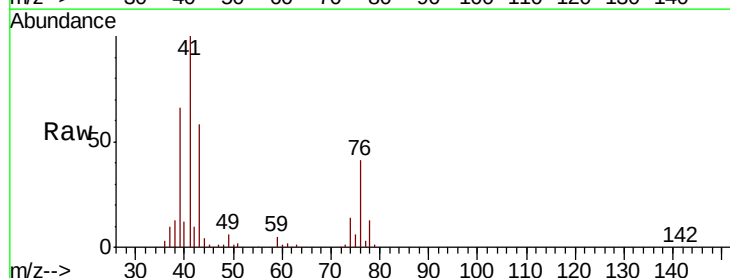
Tgt Ion: 41 Resp: 196576

Ion Ratio Lower Upper

41 100

39 63.0 51.4 77.0

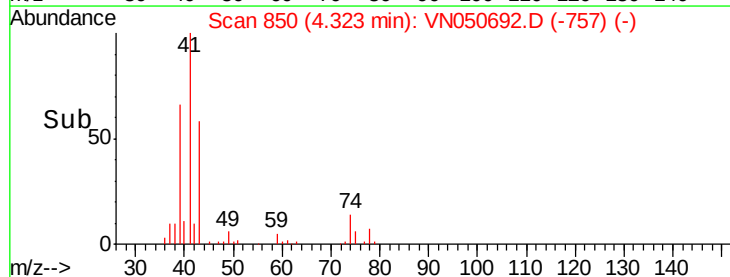
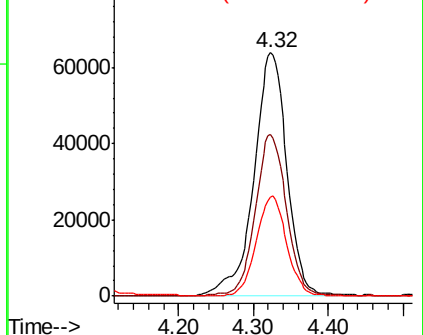
76 37.7 29.4 44.0

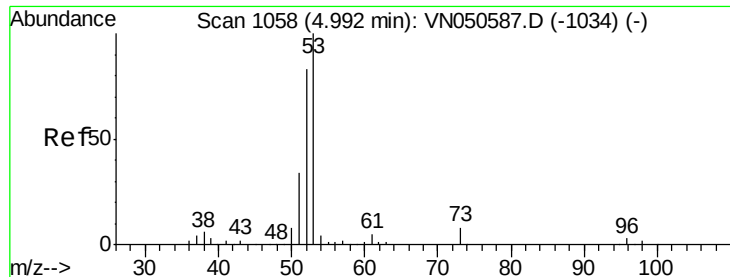


Abundance Ion 41.00 (40.70 to 41.70): VN050587.D (-814) (-)

Ion 39.00 (38.70 to 39.70): VN050587.D (-814) (-)

Ion 75.90 (75.60 to 76.60): VN050587.D (-814) (-)





#15

Acrylonitrile

Concen: 92.86 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

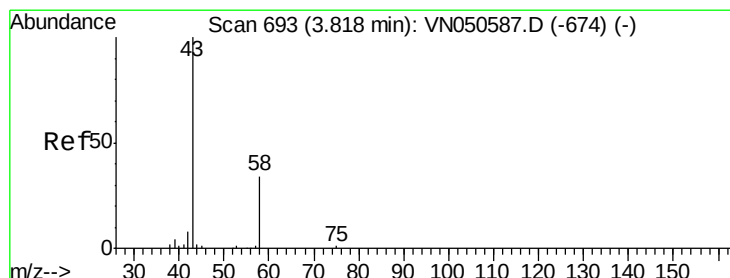
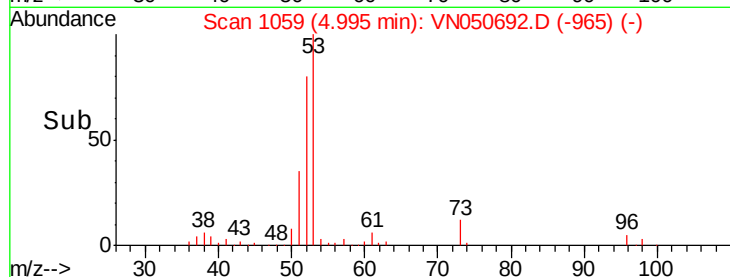
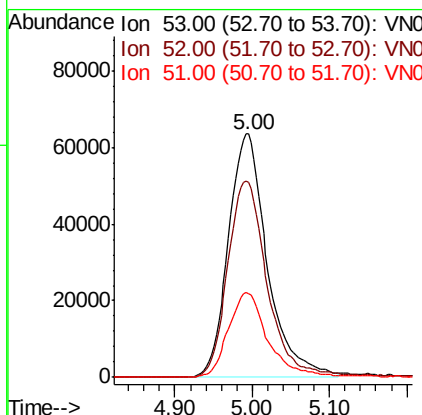
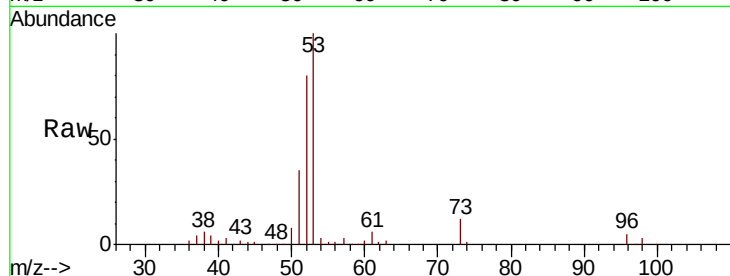
ClientSampleId :

VN0816WBS01

Tot Ion:	53	Resp:	221676
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.2	99.2
51	35.7	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 99.92 ug/l

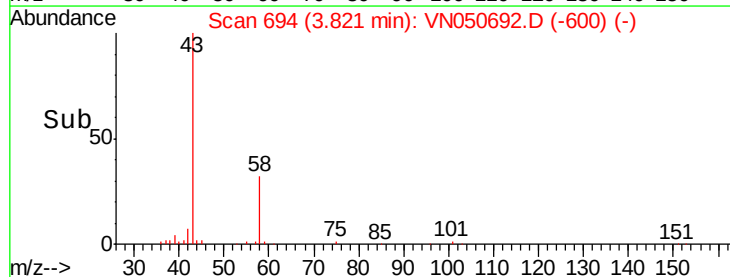
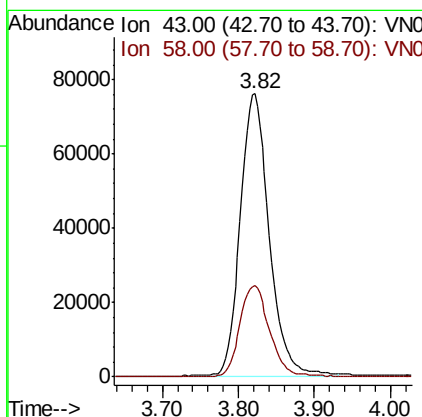
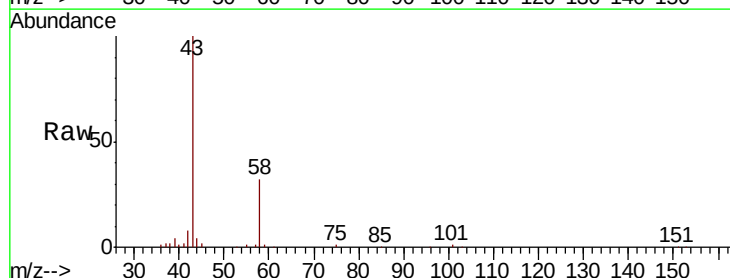
RT: 3.82 min Scan# 694

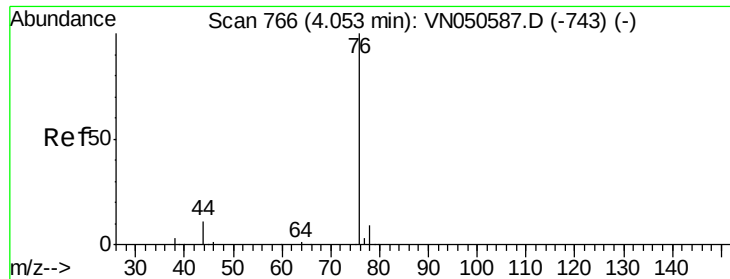
Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Tgt Ion:	43	Resp:	200333
Ion	Ratio	Lower	Upper
43	100		
58	32.3	27.1	40.7





#17

Carbon Disulfide

Concen: 17.91 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBS01

Tot Ion: 76 Resp: 386288

Ion Ratio Lower Upper

76 100

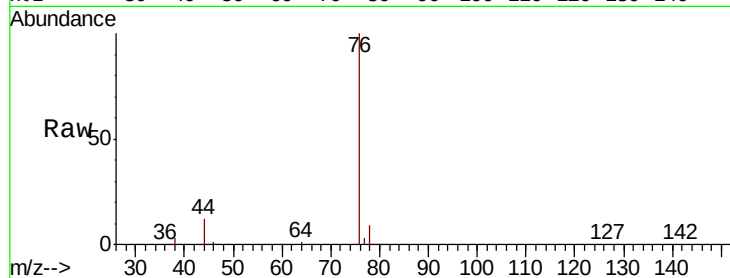
78 9.5 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN050587.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050587.D (-743) (-)

4.05

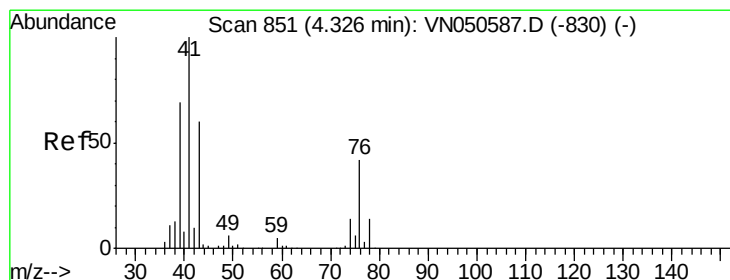
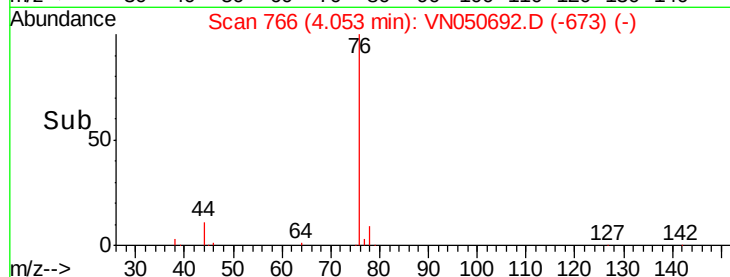
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.88 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050692.D

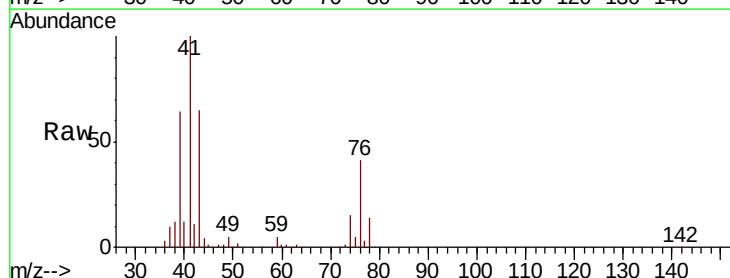
Acq: 16 Aug 2018 10:41

Tgt Ion: 43 Resp: 114523

Ion Ratio Lower Upper

43 100

74 23.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-830) (-)

Ion 74.00 (73.70 to 74.70): VN050587.D (-830) (-)

4.33

40000

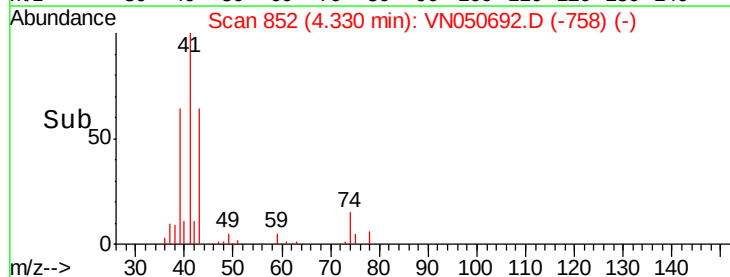
30000

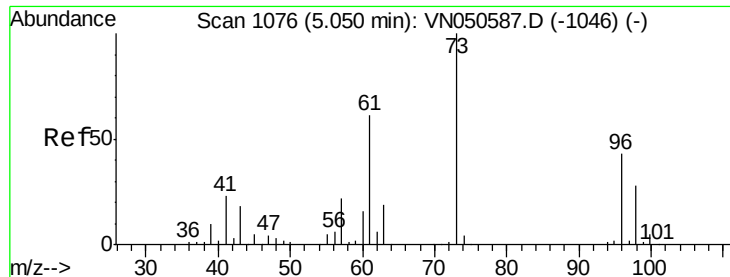
20000

10000

0

Time-->





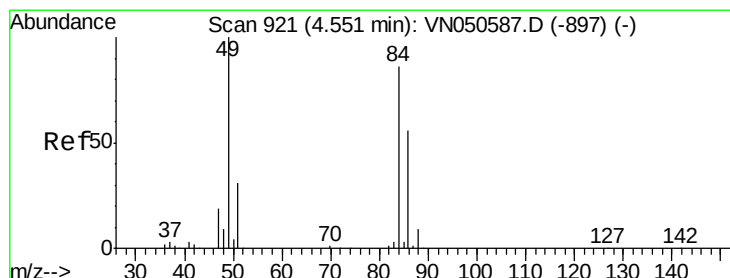
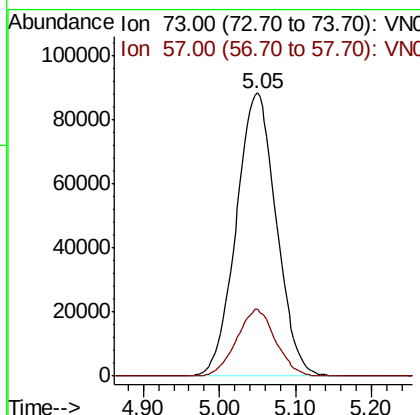
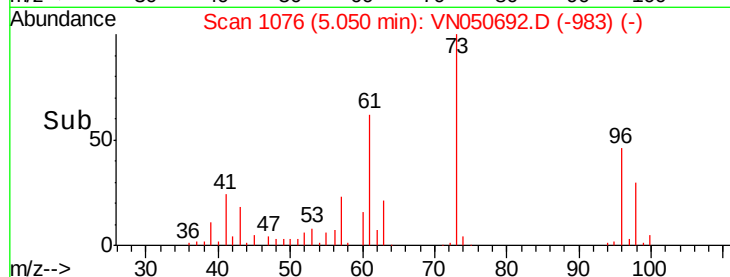
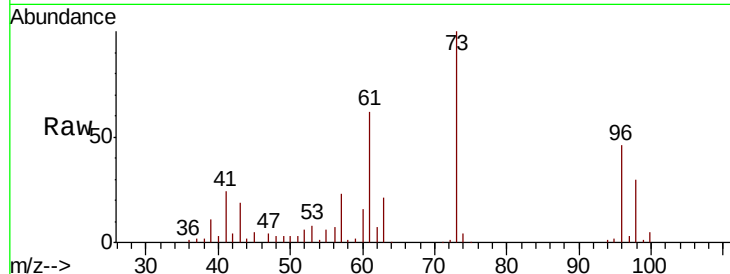
#19
Methvl tert-butvl Ether
Concen: 18.59 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBS01

Tot Ion	73	Resp	324178
Ion Ratio	Lower	Upper	
73	100		
57	23.5	17.9	26.9

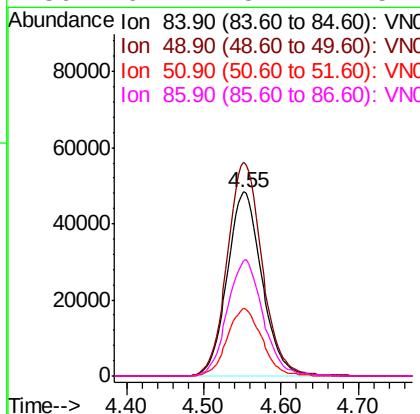
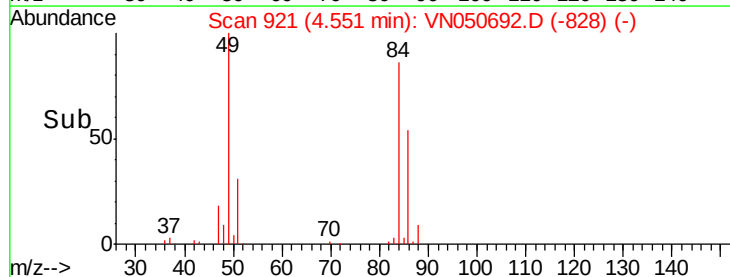
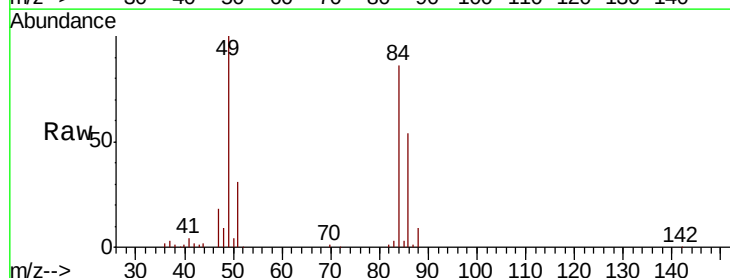
Manual Integrations
APPROVED

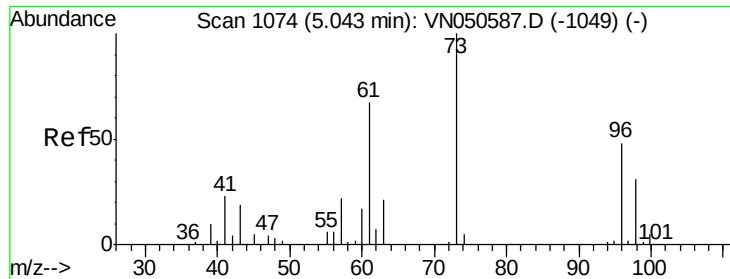
MMDadoda
8/17/2018 3:55:27 PM



#20
Methylene Chloride
Concen: 19.11 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Tgt Ion	84	Resp	150531
Ion Ratio	Lower	Upper	
84	100		
49	116.1	92.6	138.8
51	36.6	28.6	43.0
86	62.4	52.2	78.2





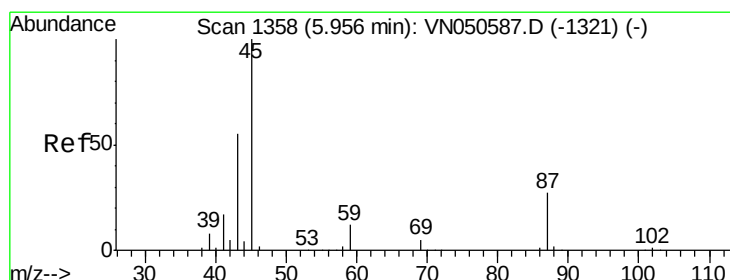
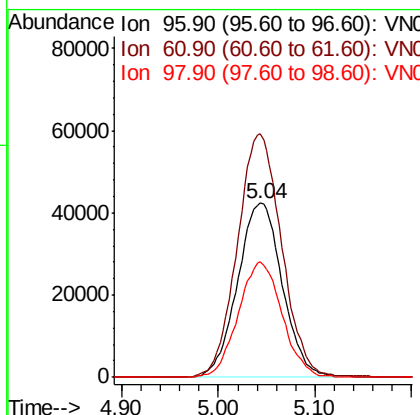
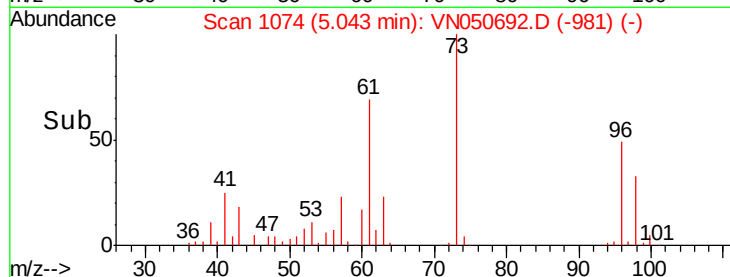
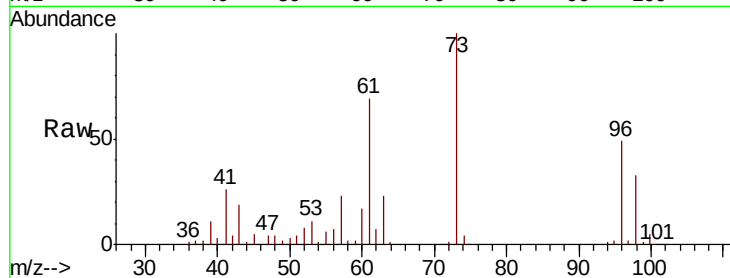
#21
trans-1,2-Dichloroethene
Concen: 18.34 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.0	111.2	166.8
98	66.5	51.6	77.4

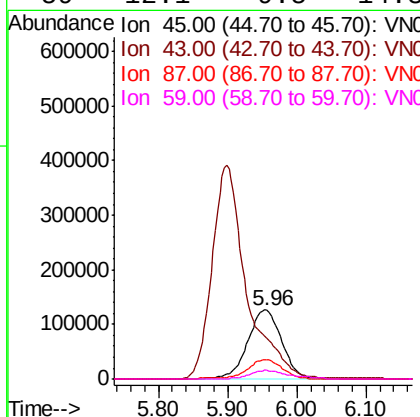
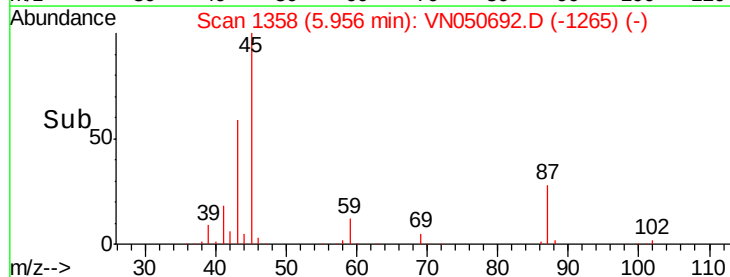
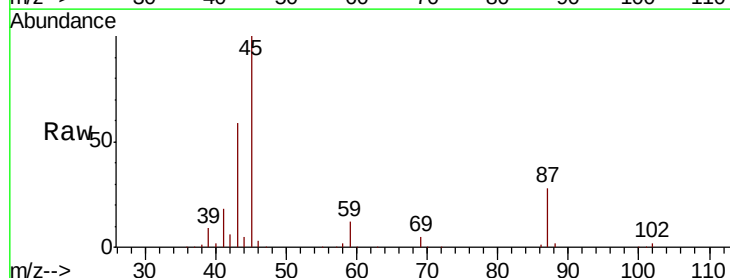
Manual Integrations
APPROVED

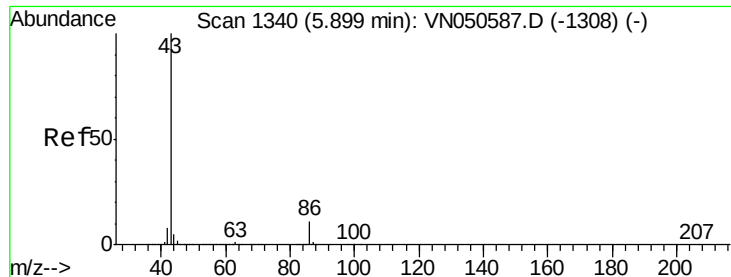
MMDadoda
8/17/2018 3:55:27 PM



#22
Diisopropyl ether
Concen: 19.71 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.6	44.5	66.7
87	27.9	22.2	33.2
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 94.72 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBS01

Tot Ion: 43 Resp: 1354143

Ion Ratio Lower Upper

43 100

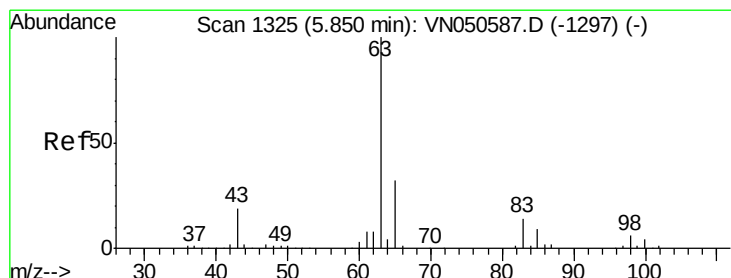
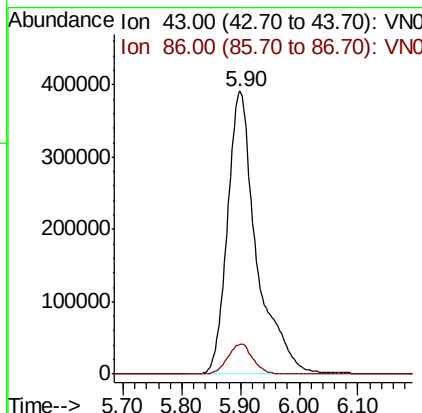
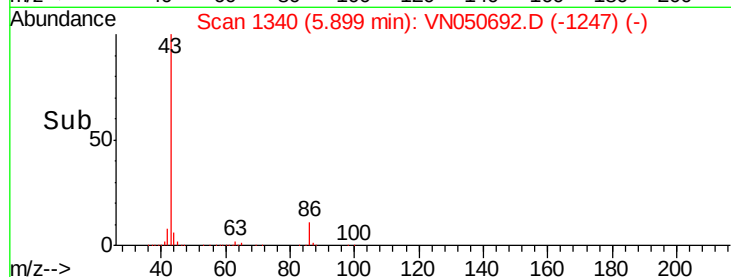
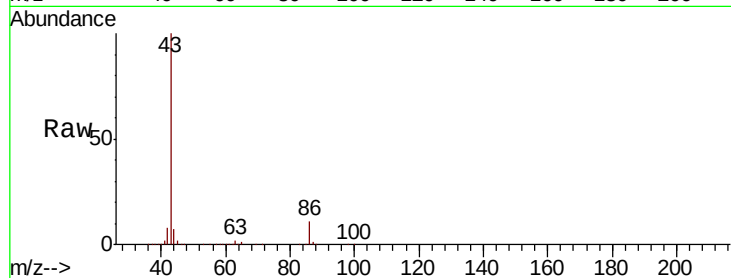
86 10.7 8.4 12.6

Manual Integrations

APPROVED

MMDadoda

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#24

1,1-Dichloroethane

Concen: 18.40 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

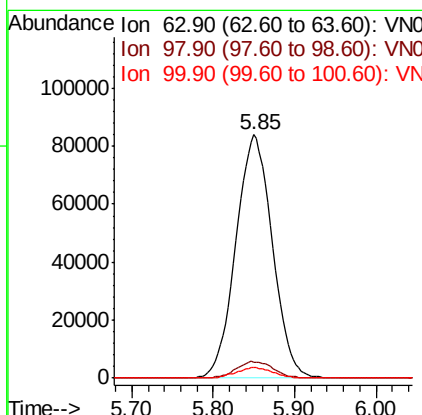
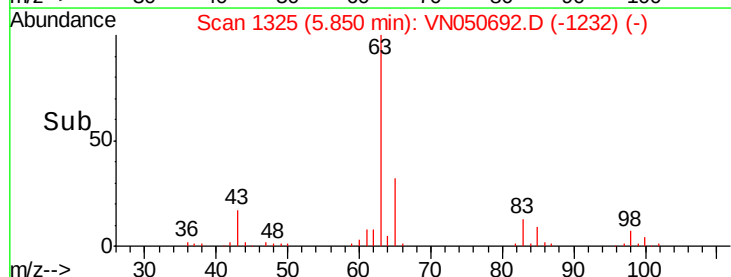
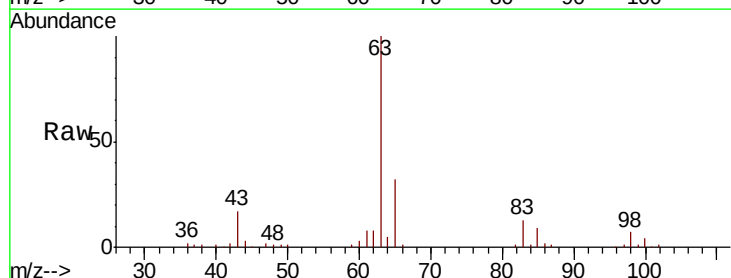
Tgt Ion: 63 Resp: 260115

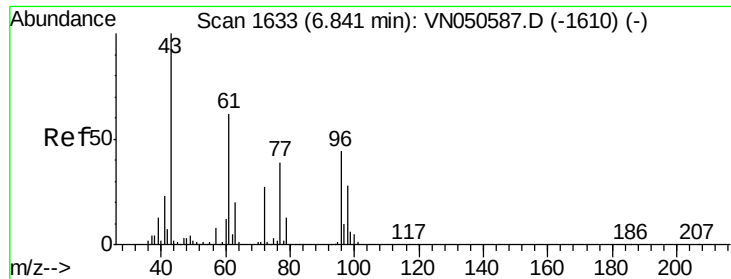
Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 96.05 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBS01

Tot Ion: 43 Resp: 313499

Ion Ratio Lower Upper

43 100

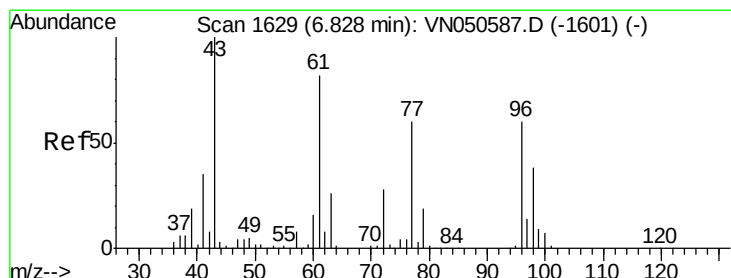
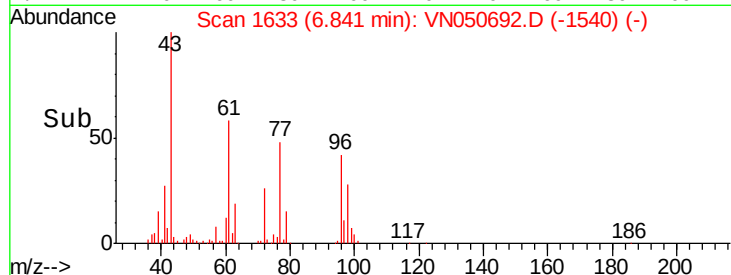
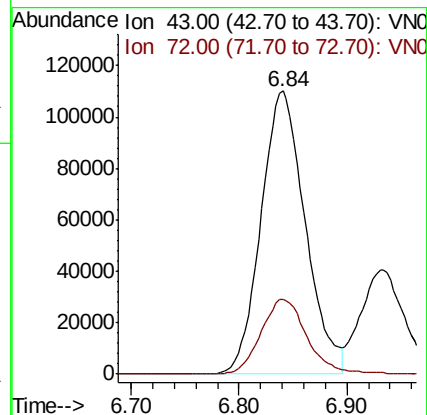
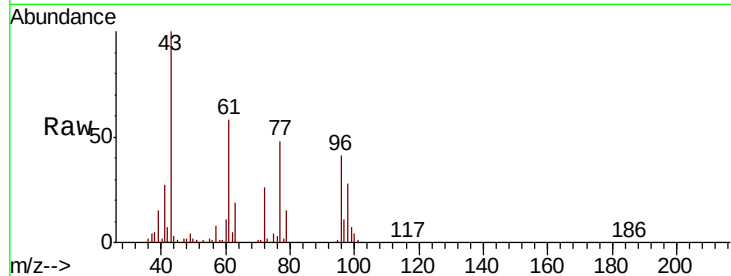
72 26.4 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

8/17/2018 3:55:27 PM



#26

2,2-Dichloropropane

Concen: 22.04 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050692.D

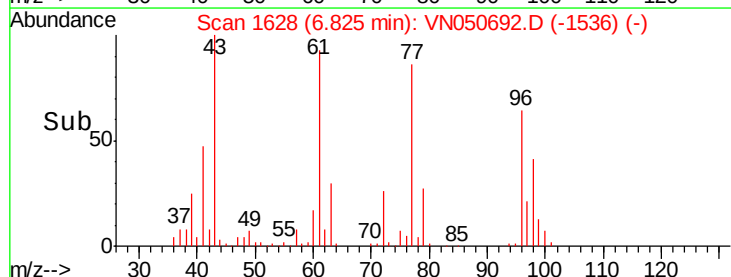
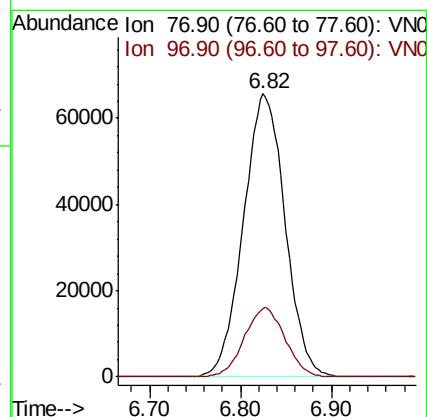
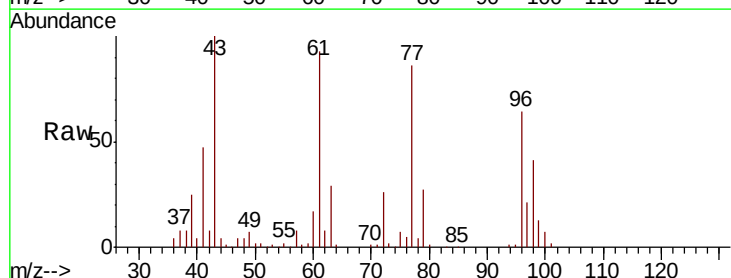
Acq: 16 Aug 2018 10:41

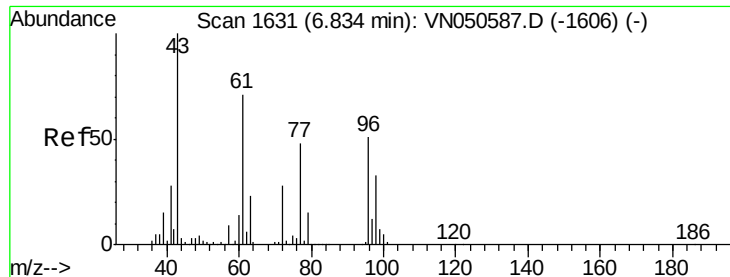
Tgt Ion: 77 Resp: 208562

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.4





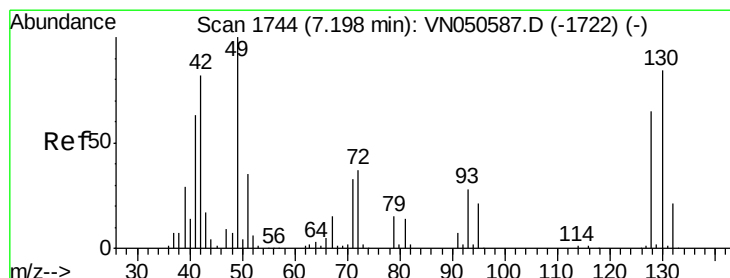
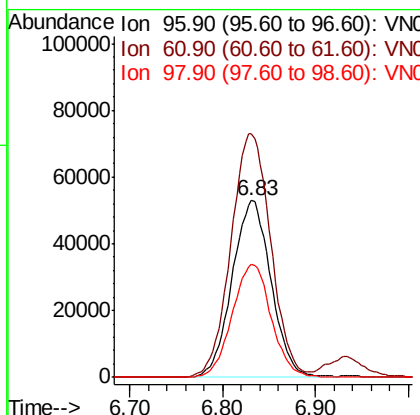
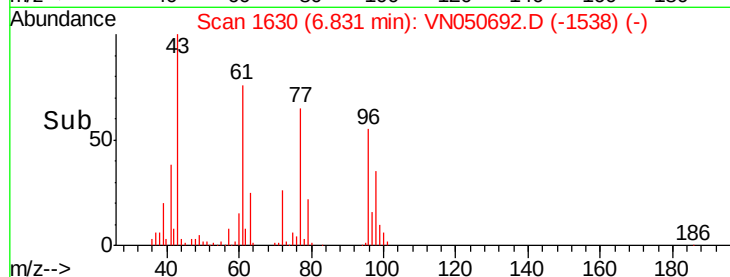
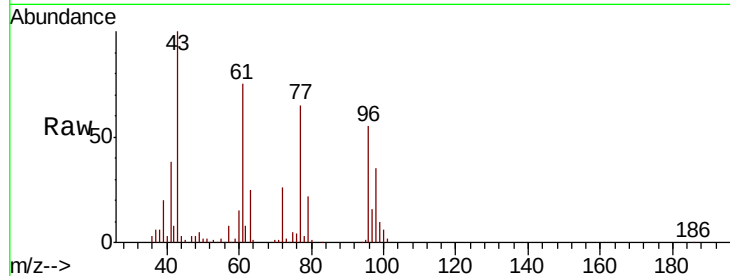
#27
 cis-1,2-Dichloroethene
 Concen: 18.62 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	154049		
61	141.2	0.0	278.2	
98	64.0	0.0	128.8	

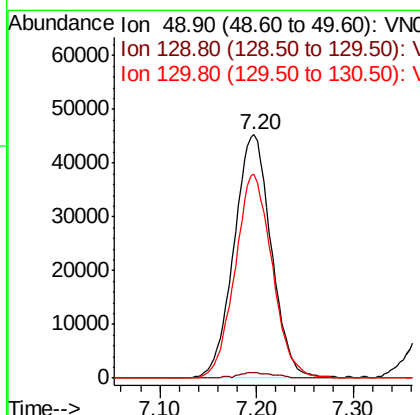
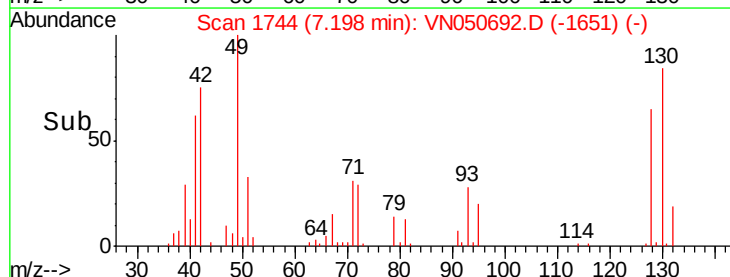
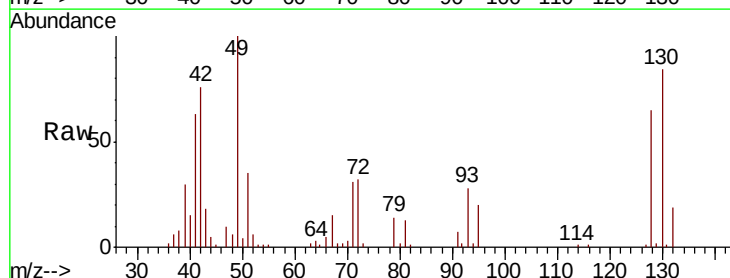
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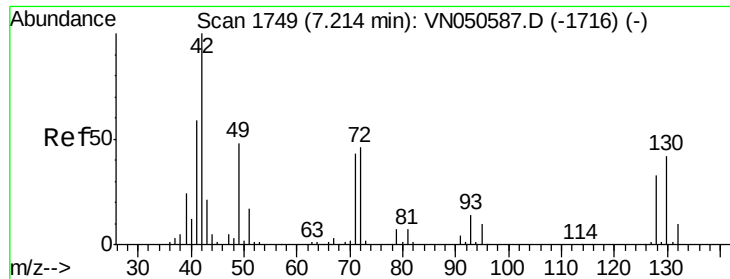
MMDadoda
 8/17/2018 3:55:27 PM



#28
 Bromochloromethane
 Concen: 18.86 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	121401		
129	2.0	0.0	4.2	
130	83.4	66.8	100.2	





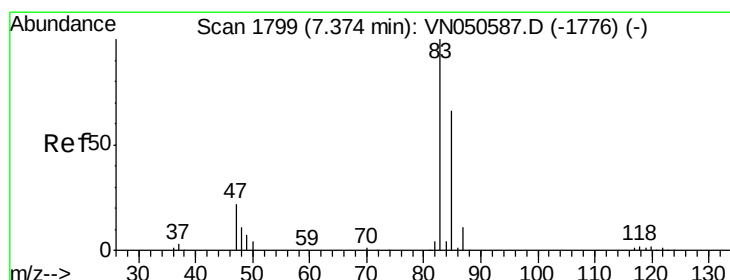
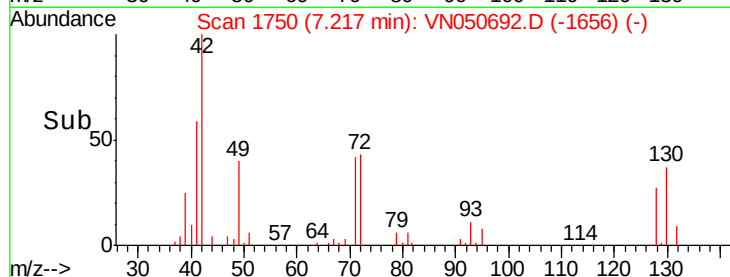
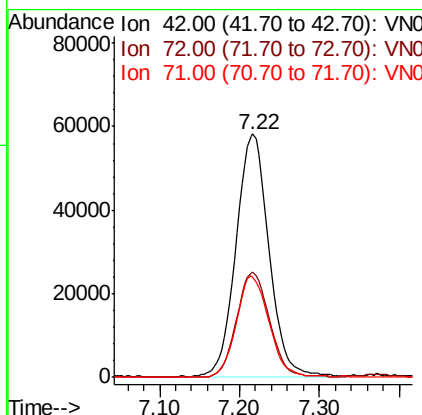
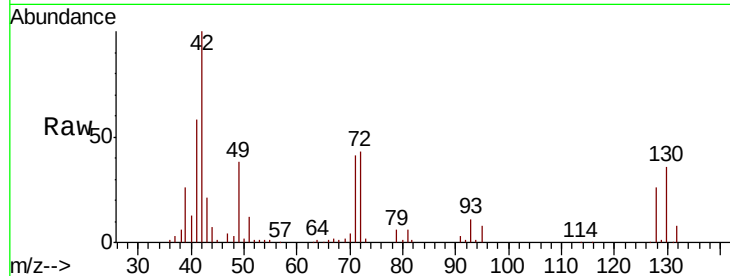
#29
Tetrahydrofuran
Concen: 94.55 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.8	53.6
71	41.3	33.4	50.0

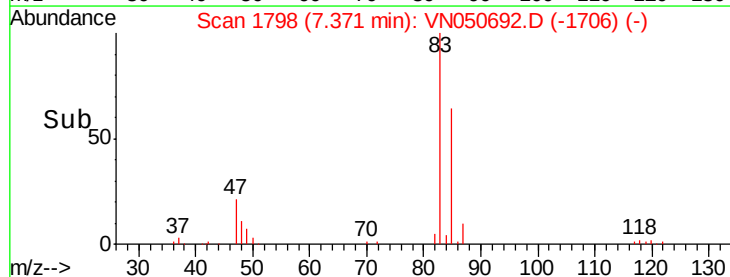
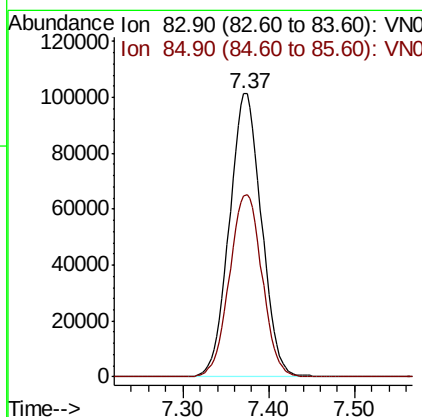
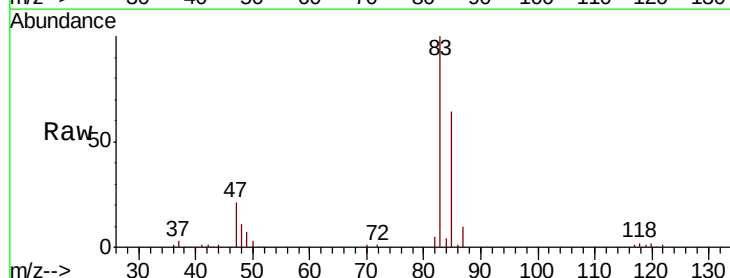
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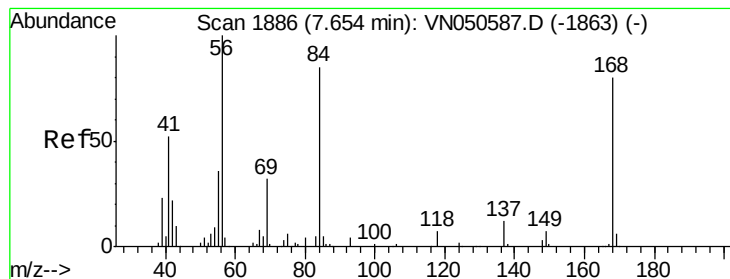
MMDadoda
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#30
Chloroform
Concen: 18.34 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7





#31

Cyclohexane

Concen: 18.92 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

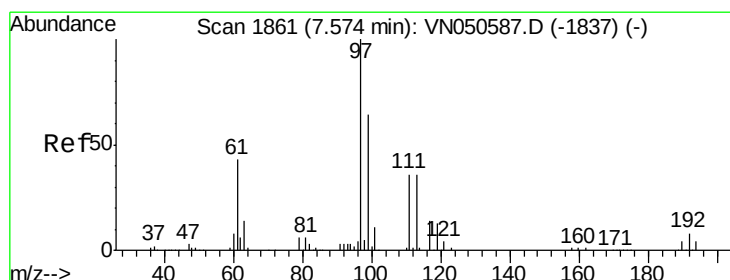
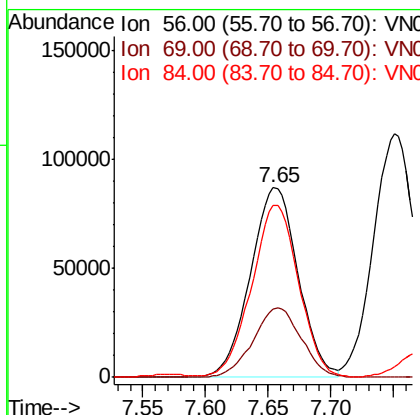
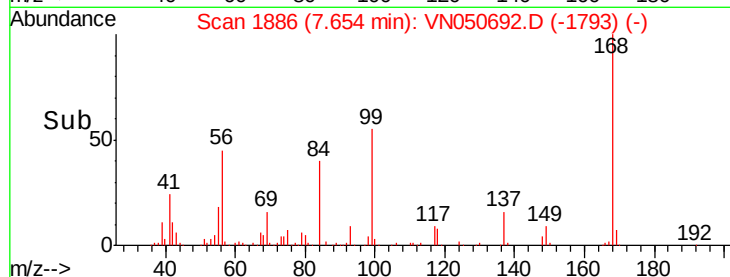
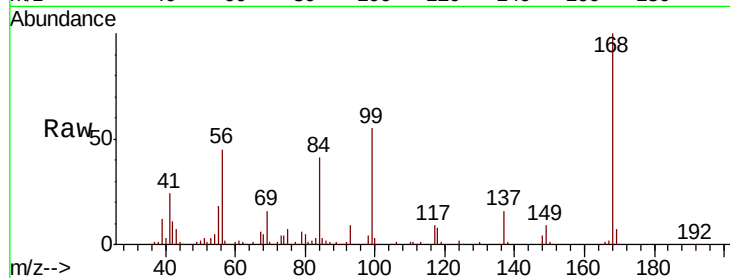
ClientSampled :

VN0816WBS01

Tot Ion	56	Resp	230873
Ion	Ratio	Lower	Upper
56	100		
69	36.1	25.8	38.6
84	89.9	67.8	101.6

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#32

1,1,1-Trichloroethane

Concen: 18.42 ug/l

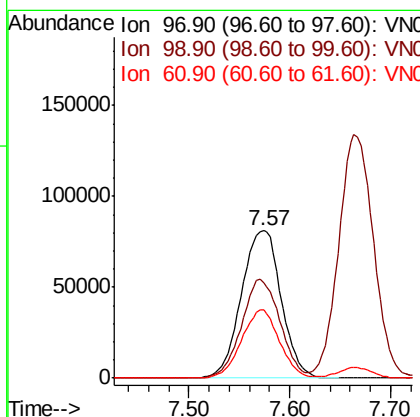
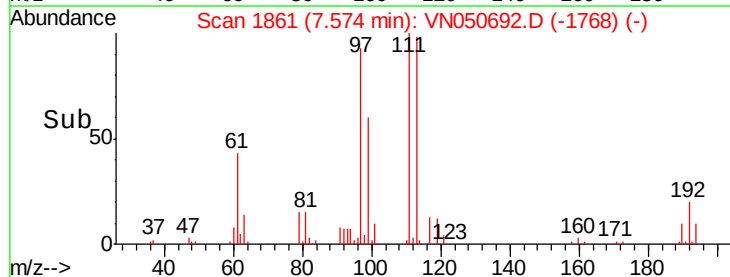
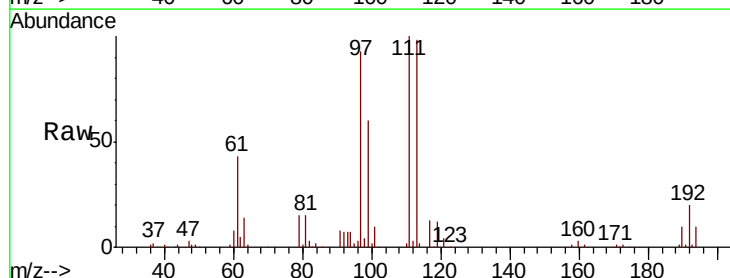
RT: 7.57 min Scan# 1861

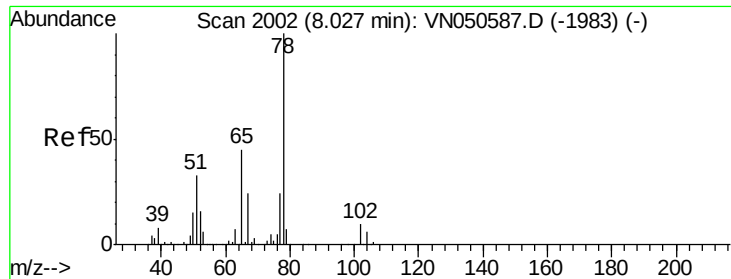
Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Tgt Ion	97	Resp	222125
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.1	76.7
61	43.7	34.8	52.2





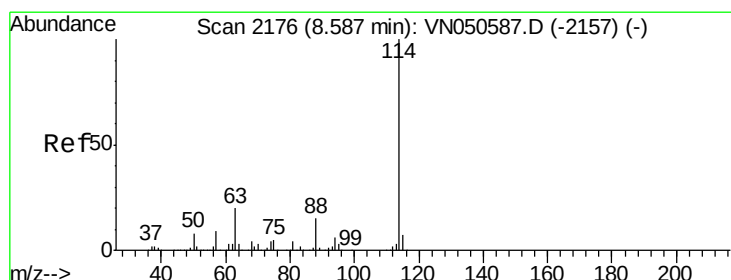
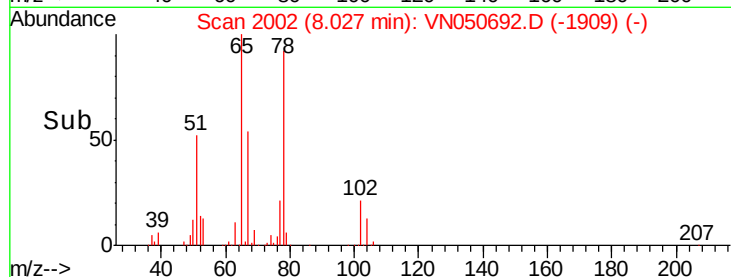
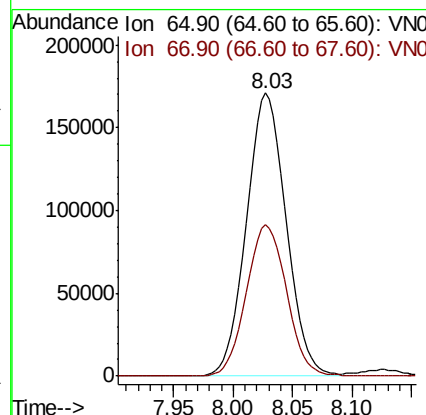
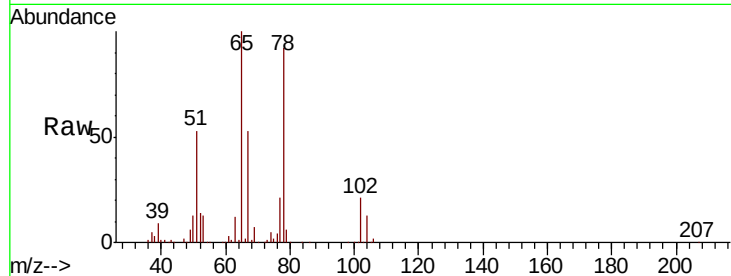
#33
 1,2-Dichloroethane-d4
 Concen: 49.70 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	109.8	

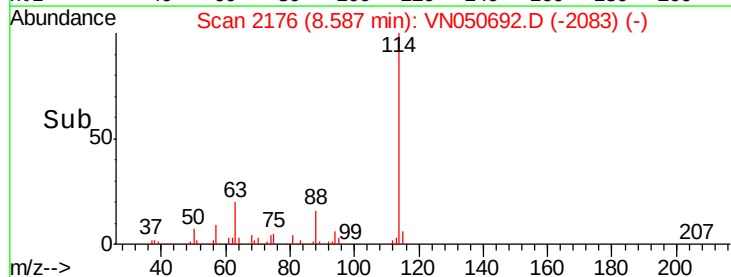
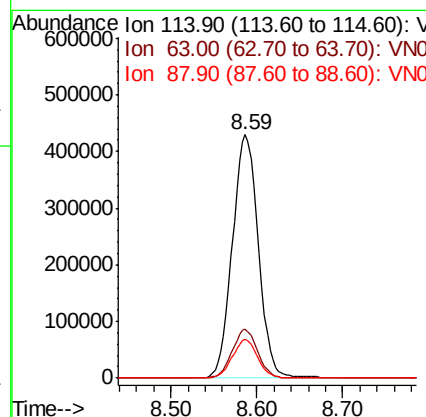
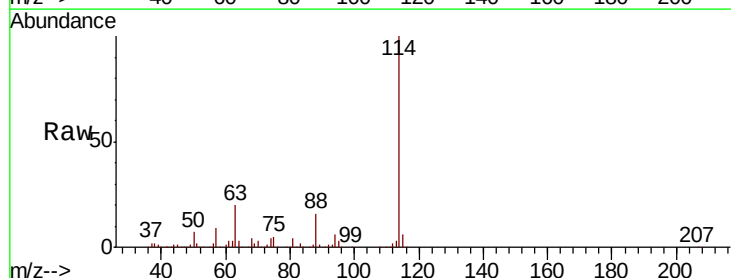
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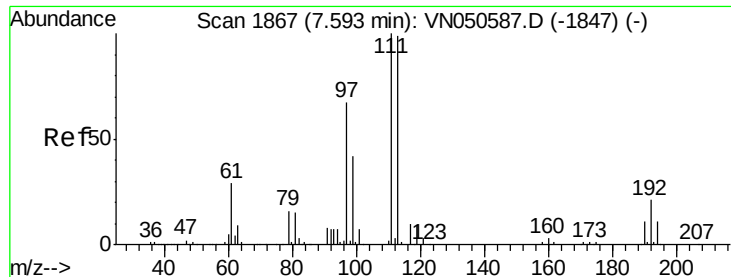
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	40.0	
88	15.7	0.0	30.8	





#35

Dibromofluoromethane

Concen: 51.90 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

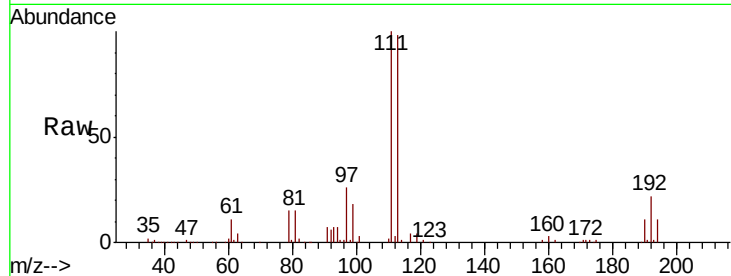
ClientSampleId :

VN0816WBS01

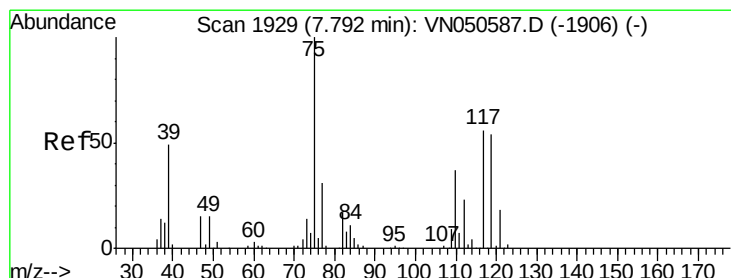
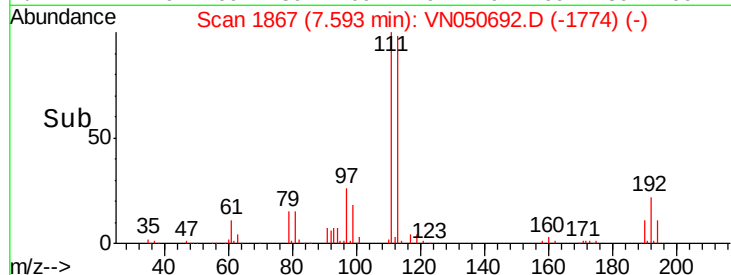
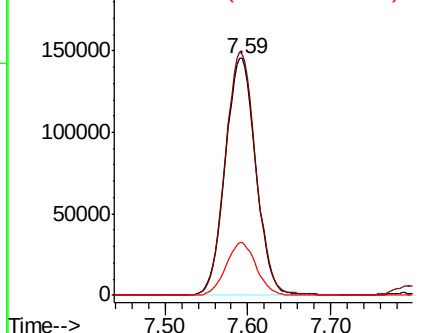
Tot Ion:	113	Resp:	373429
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.0	121.6
192	22.0	17.6	26.4

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.64 ug/l

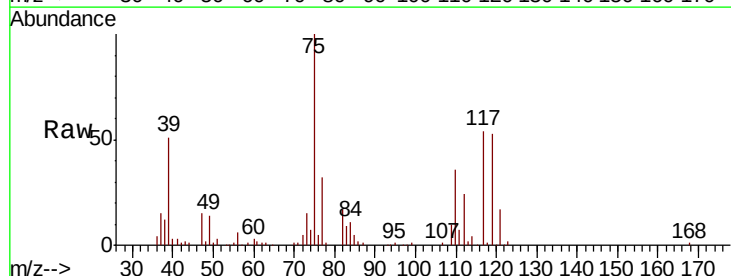
RT: 7.79 min Scan# 1929

Delta R.T. 0.00 min

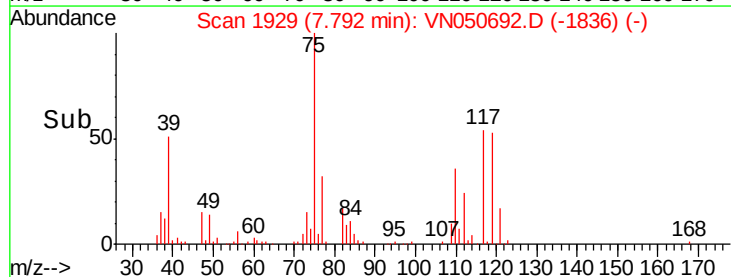
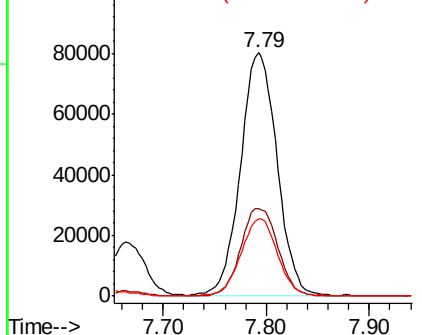
Lab File: VN050692.D

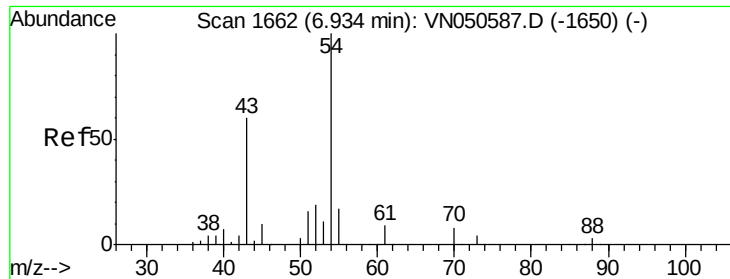
Acq: 16 Aug 2018 10:41

Tgt Ion:	75	Resp:	197031
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.3	54.9
77	32.0	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





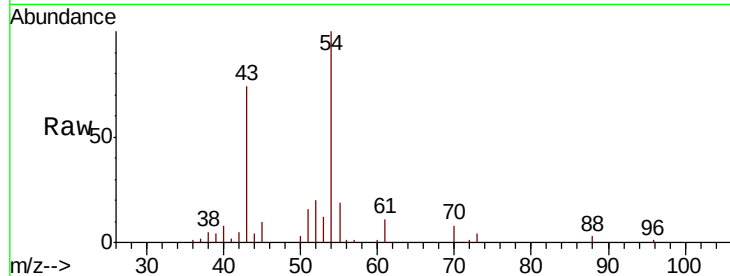
#37
Ethyl Acetate
Concen: 19.85 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBS01

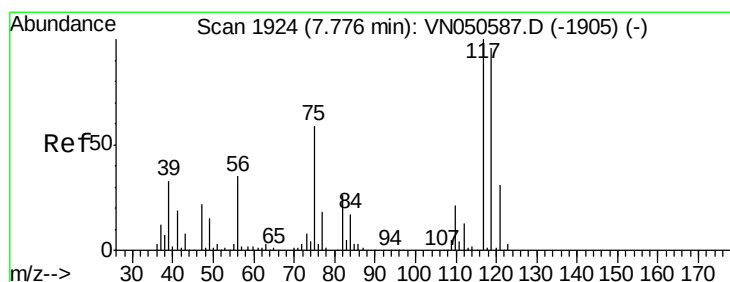
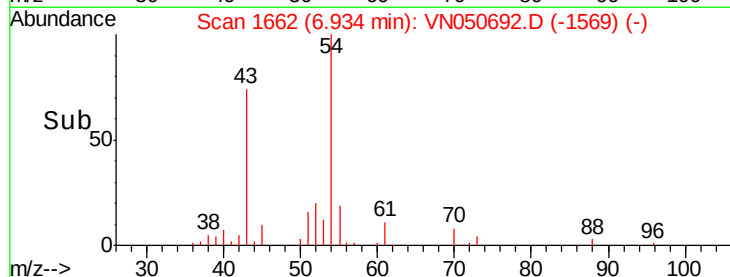
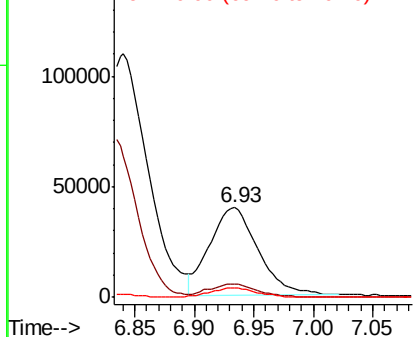
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.0	18.0
70	10.5	8.5	12.7

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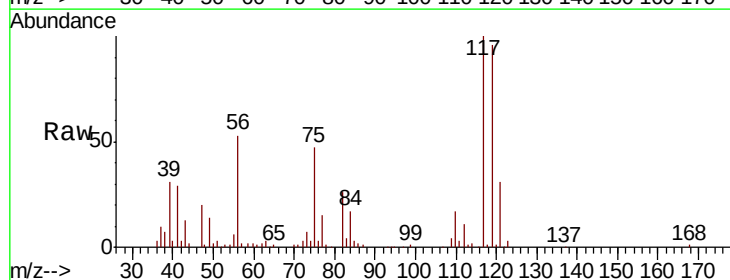


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

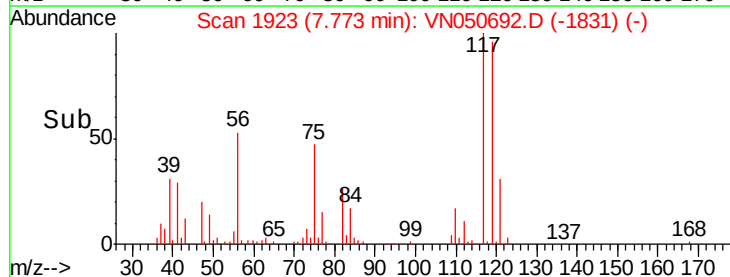
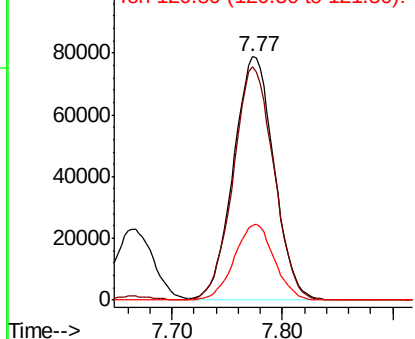


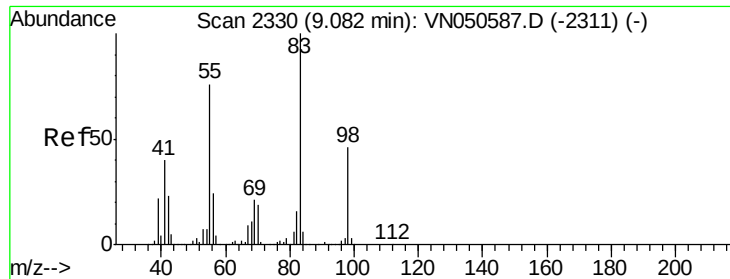
#38
Carbon Tetrachloride
Concen: 19.35 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.6	115.0
121	30.9	25.0	37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





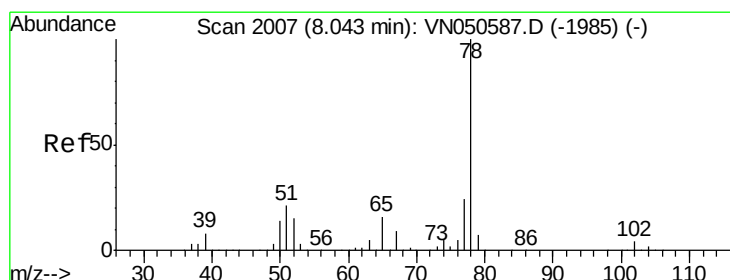
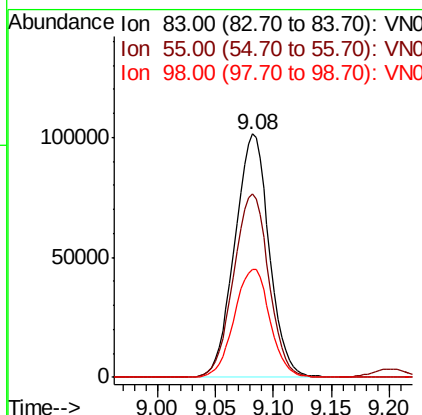
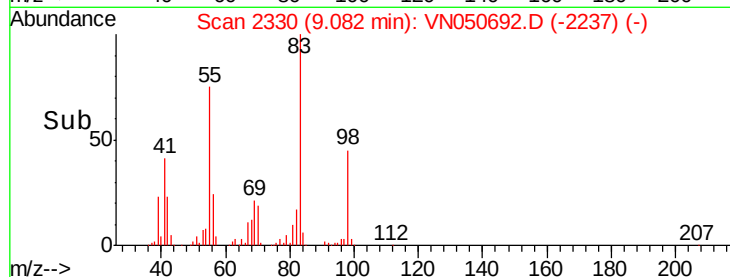
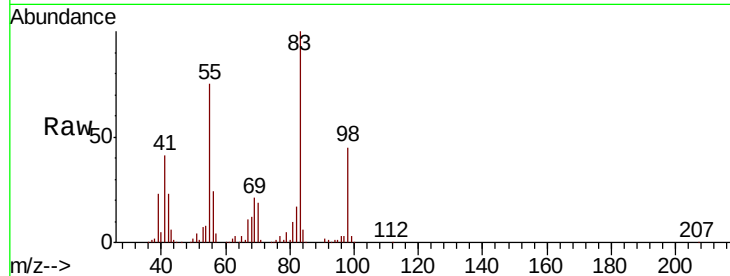
#39
Methvlcvclohexane
Concen: 20.15 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Instrument :
MSVOA_N
ClientSampled :
VN0816WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	209305		
55	75.2		60.6	91.0
98	44.6		37.0	55.4

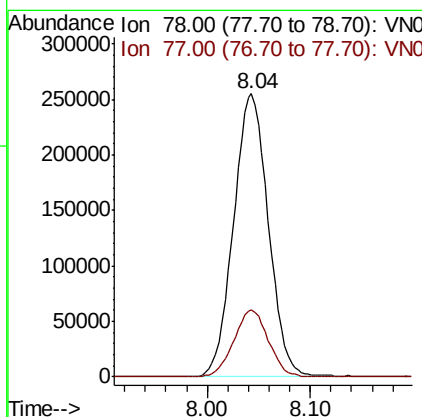
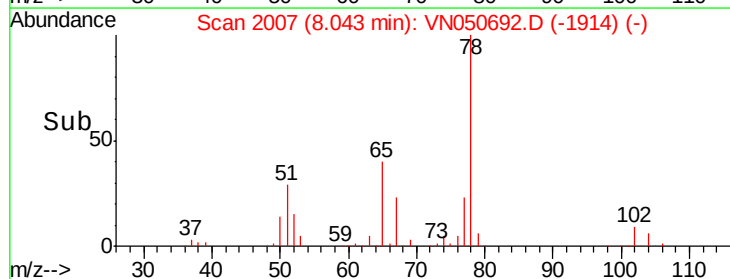
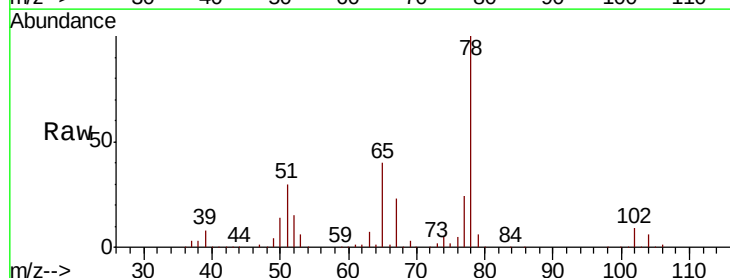
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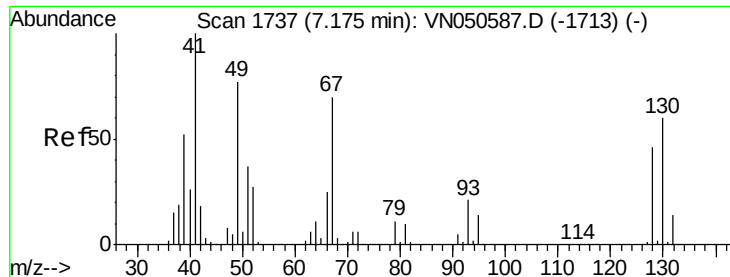
MMDadoda
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#40
Benzene
Concen: 19.64 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	599253		
77	23.6		19.0	28.6





#41

Methacrylonitrile

Concen: 19.88 ug/l

RT: 7.18 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBS01

Tot Ion: 41 Resp: 60943

Ion Ratio Lower Upper

41 100

39 58.0 44.6 66.8

67 82.2 66.7 100.1

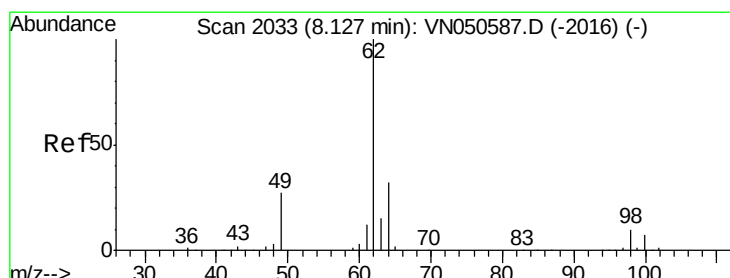
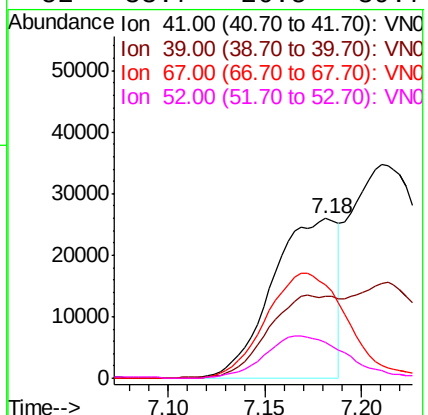
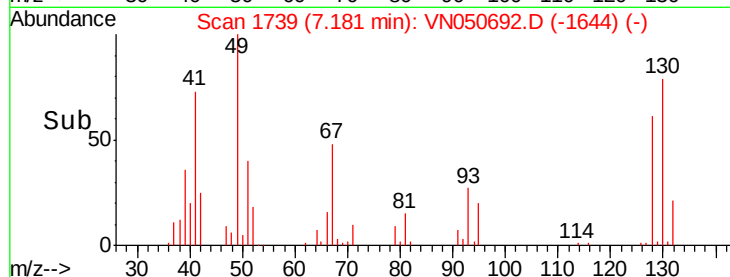
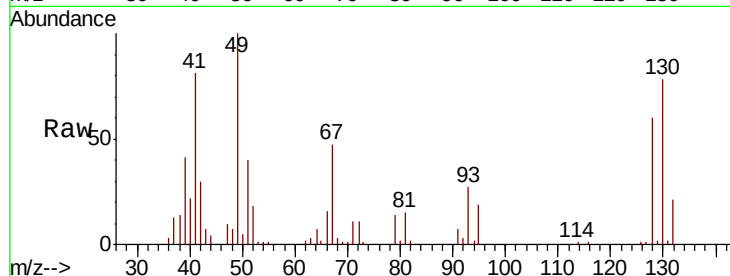
52 33.7 26.5 39.7

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#42

1,2-Dichloroethane

Concen: 19.23 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN050692.D

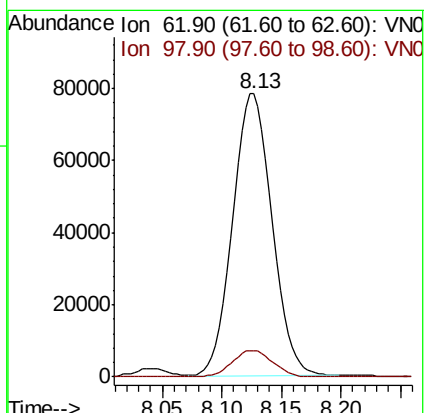
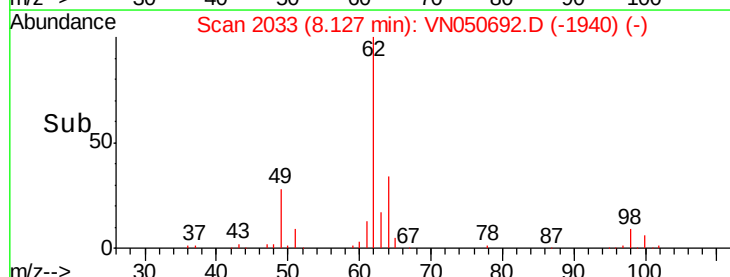
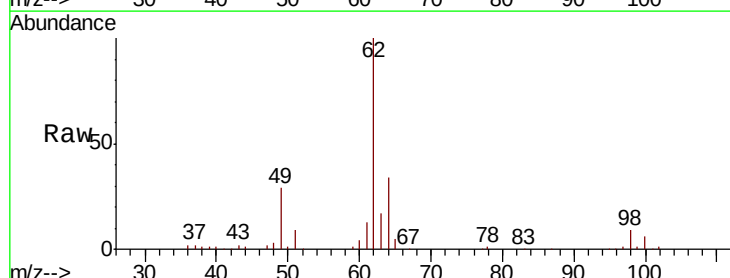
Acq: 16 Aug 2018 10:41

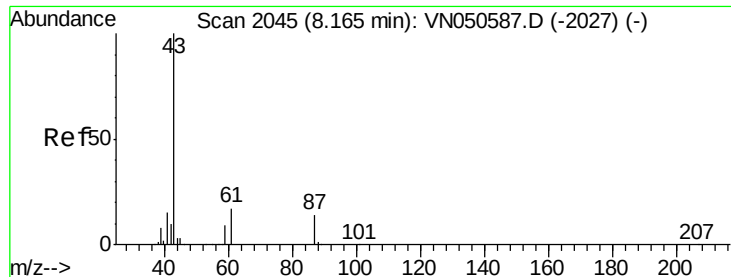
Tgt Ion: 62 Resp: 179841

Ion Ratio Lower Upper

62 100

98 9.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 19.34 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

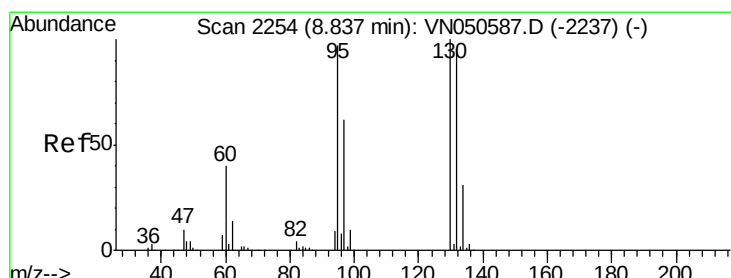
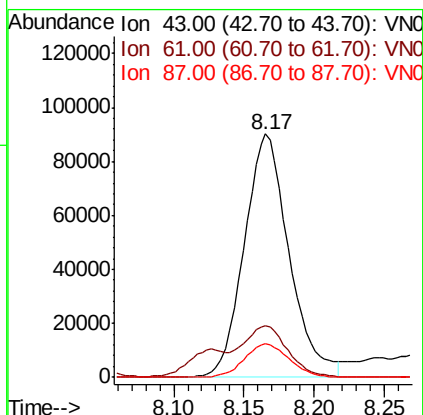
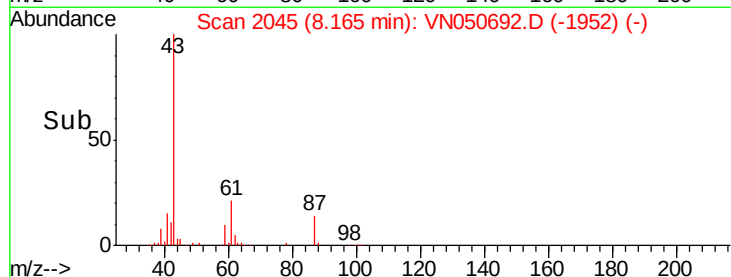
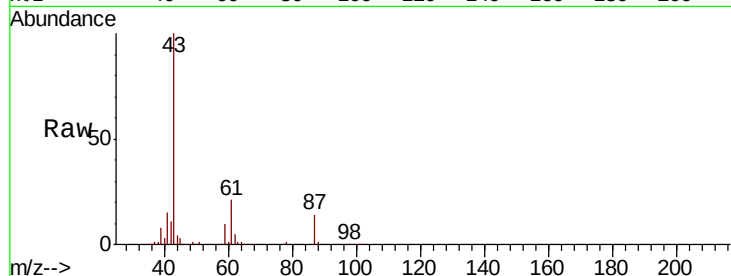
ClientSampleId :

VN0816WBS01

Tot Ion:	43	Resp:	199827
Ion Ratio		Lower	Upper
43	100		
61	19.8	16.2	24.2
87	13.8	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 19.28 ug/l

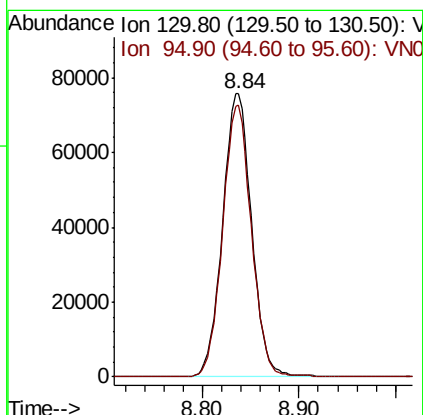
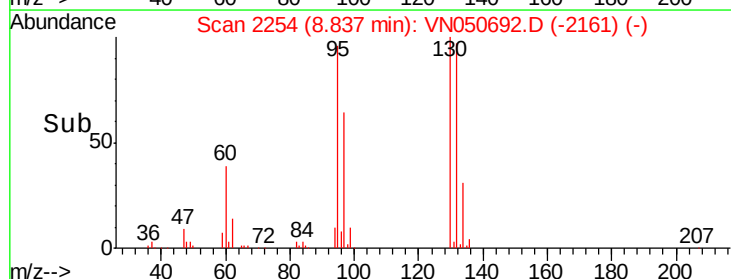
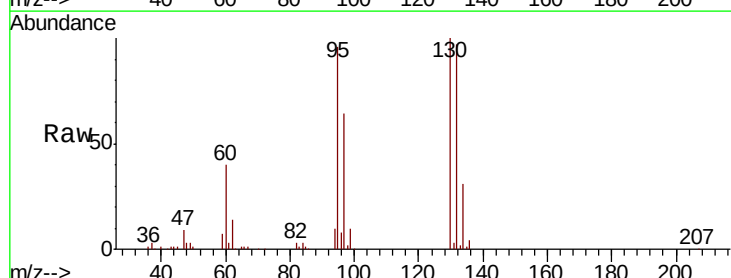
RT: 8.84 min Scan# 2254

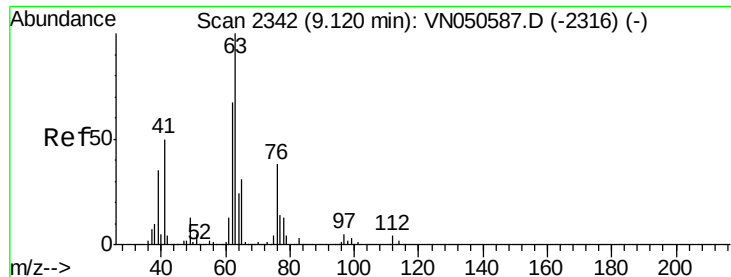
Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Tgt Ion:	130	Resp:	157629
Ion Ratio		Lower	Upper
130	100		
95	95.9	0.0	193.8





#45

1,2-Dichloropropane

Concen: 19.61 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBS01

Tot Ion: 63 Resp: 159360

Ion Ratio Lower Upper

63 100

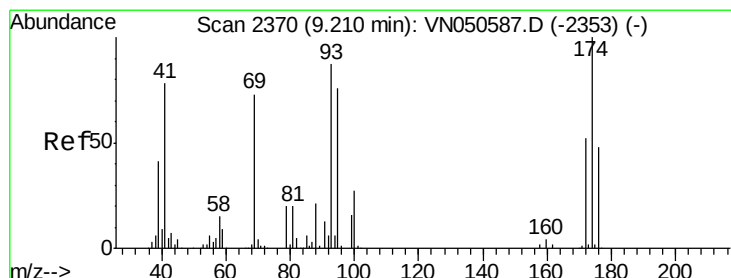
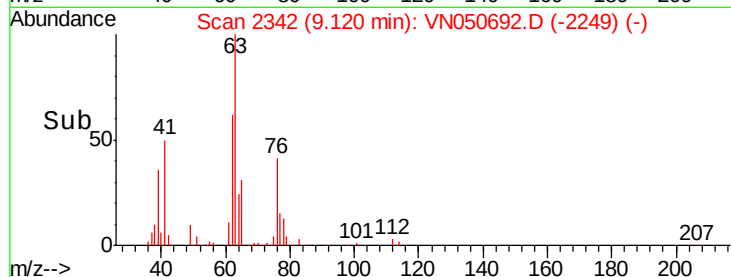
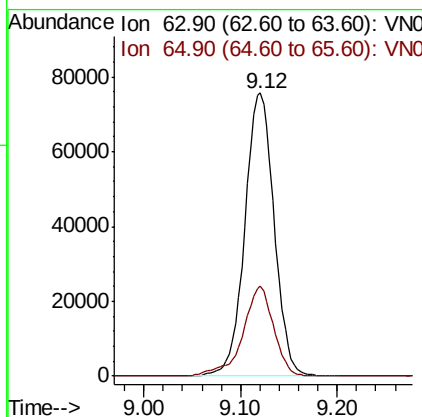
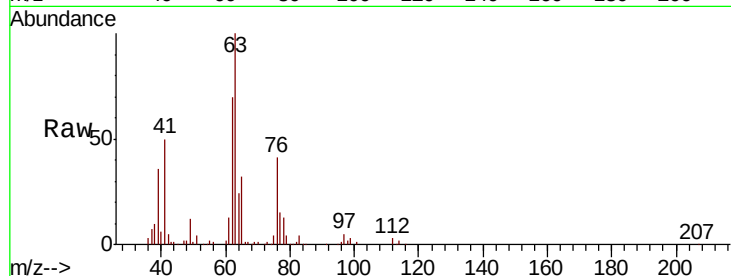
65 31.8 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 19.55 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

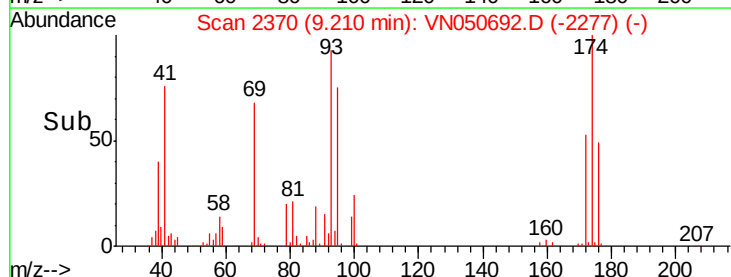
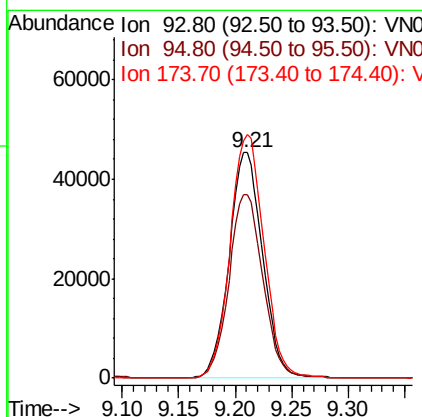
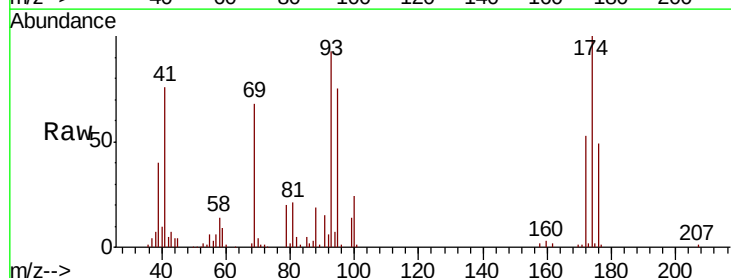
Tgt Ion: 93 Resp: 93773

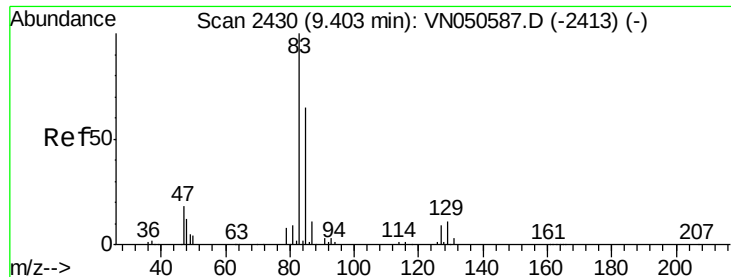
Ion Ratio Lower Upper

93 100

95 82.4 69.1 103.7

174 108.8 91.0 136.6





#47

Bromodichloromethane

Concen: 18.95 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

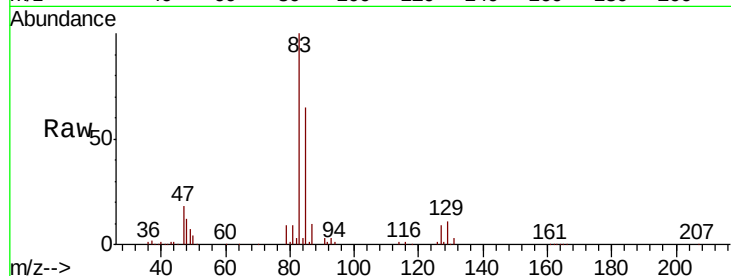
ClientSampleId :

VN0816WBS01

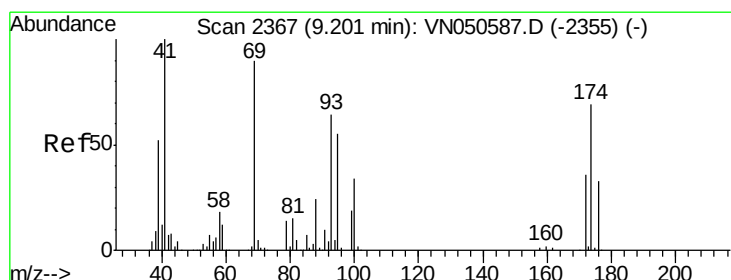
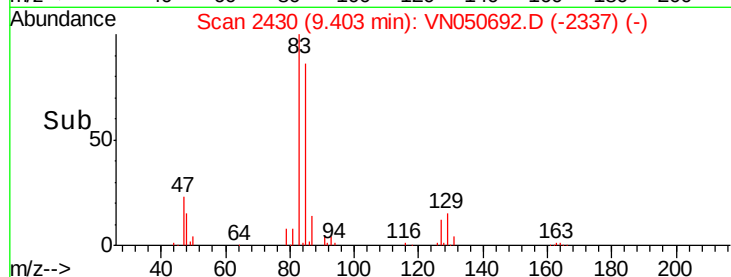
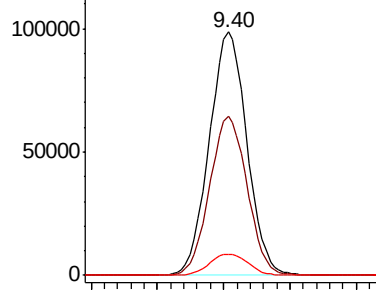
Tot Ion:	83	Resp:	194346
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6
127	8.7	7.2	10.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050587.D (-2413) (-)



#48

Methyl methacrylate

Concen: 18.13 ug/l

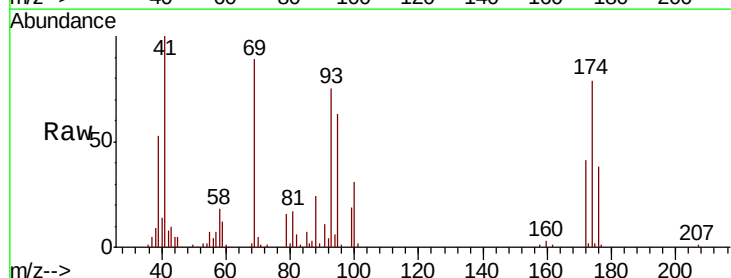
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

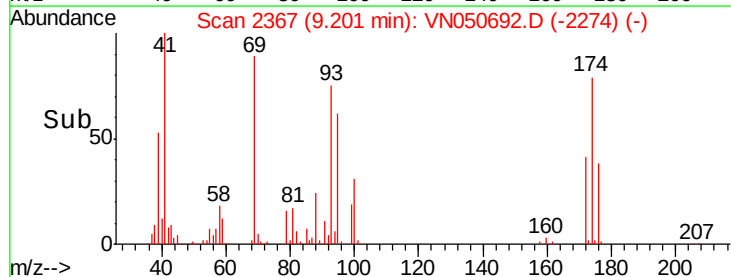
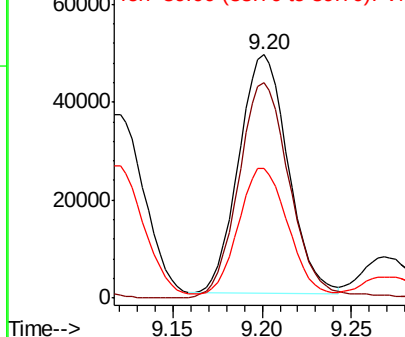
Lab File: VN050692.D

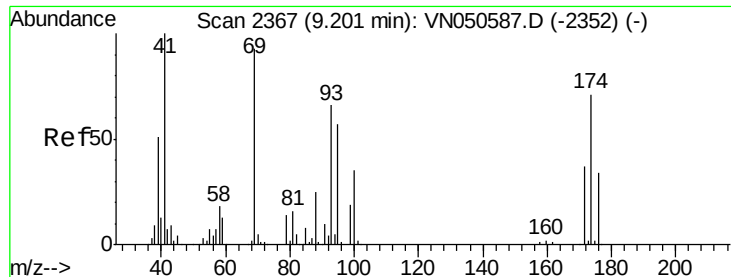
Acq: 16 Aug 2018 10:41

Tgt Ion:	41	Resp:	94288
Ion	Ratio	Lower	Upper
41	100		
69	93.7	73.4	110.0
39	55.0	43.0	64.6



Abundance Ion 41.00 (40.70 to 41.70): VN050587.D (-2355) (-)





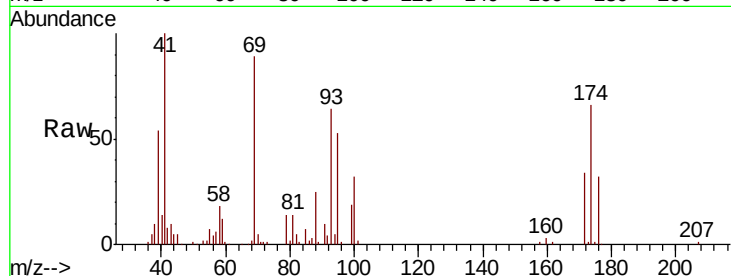
#49
1,4-Dioxane
Concen: 374.74 ug/l
RT: 9.20 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBS01

Tot Ion	88	Resp	25670
Ion	Ratio	Lower	Upper
88	100		
43	32.7	25.9	38.9
58	73.0	56.5	84.7

Manual Integrations
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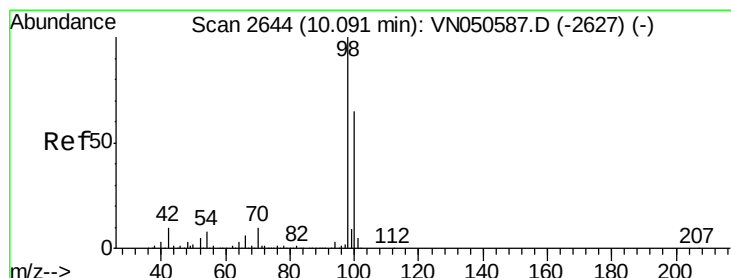
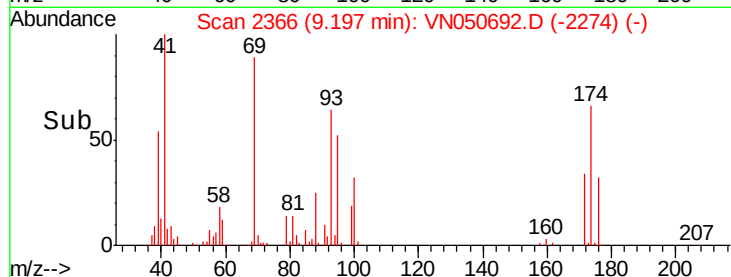
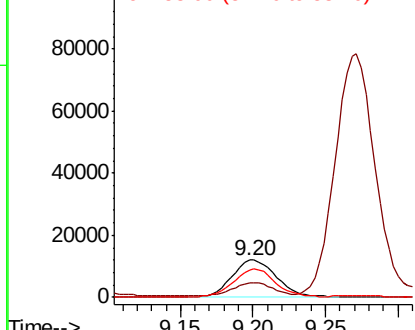


Abundance

Ion 88.00 (87.70 to 88.70): VN0

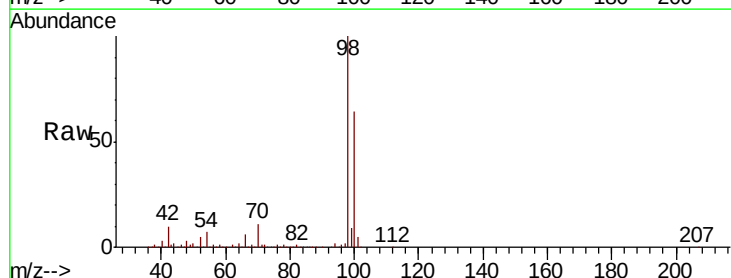
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 51.57 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

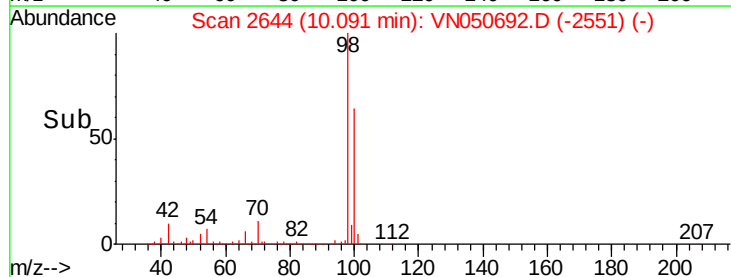
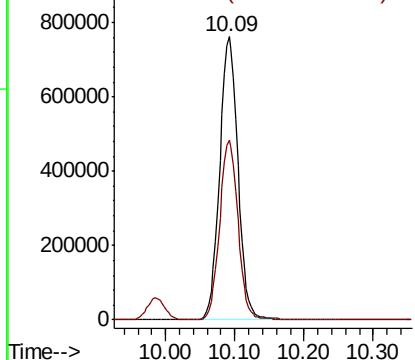
Tgt Ion	98	Resp	1396326
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.8

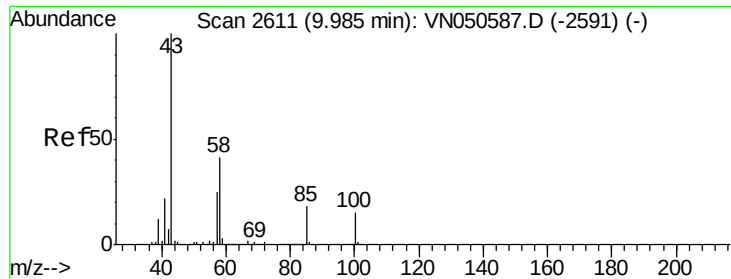


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





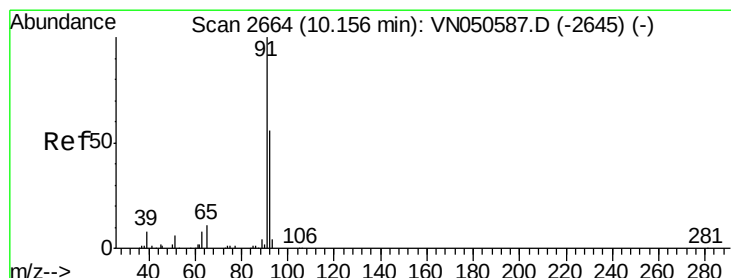
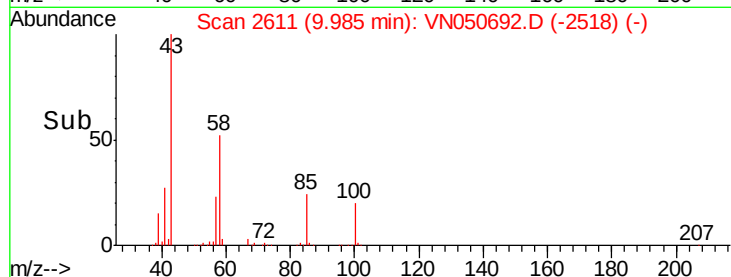
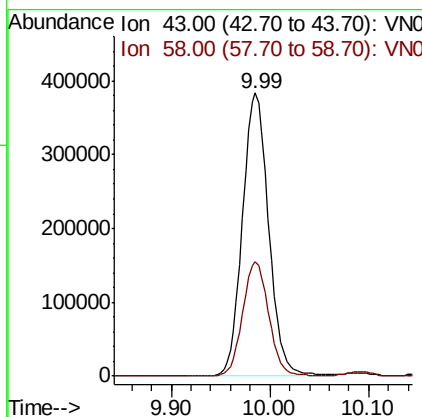
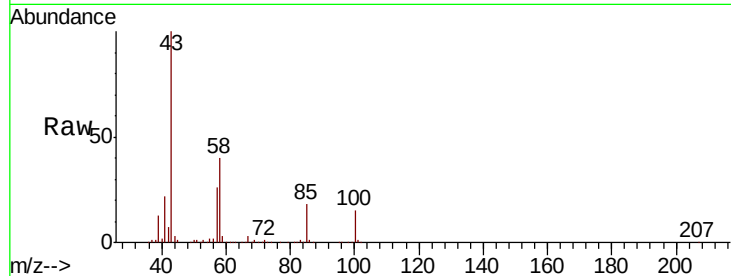
#51
 4-Methyl-2-Pentanone
 Concen: 100.66 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.5	48.7

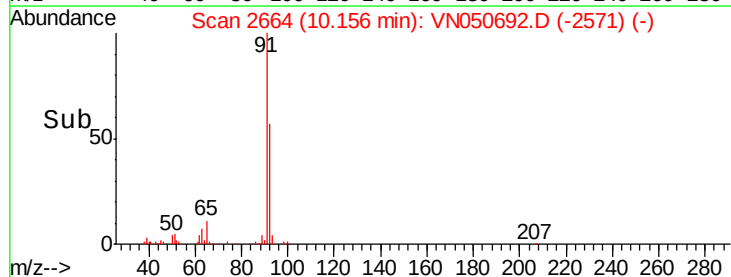
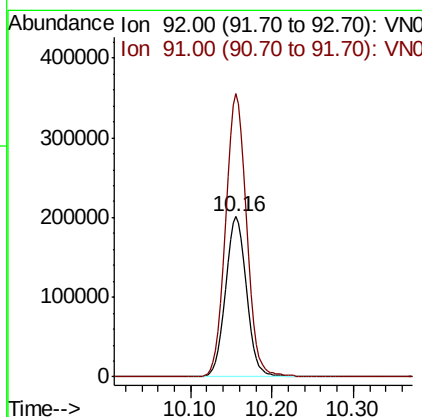
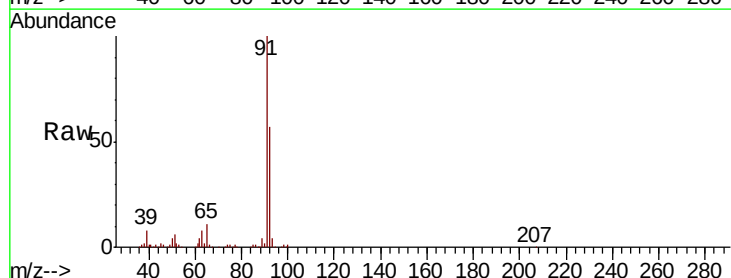
Manual Integrations
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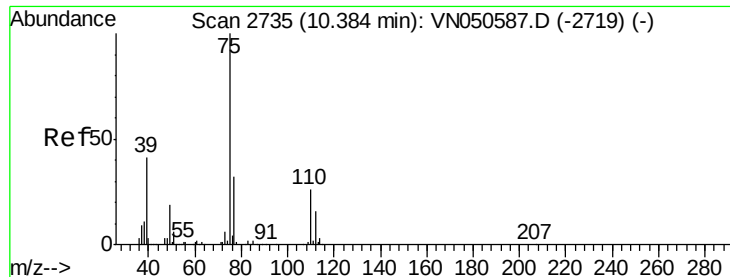
MMDadoda
 8/17/2018 3:55:27 PM



#52
 Toluene
 Concen: 20.25 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.6	141.9	212.9





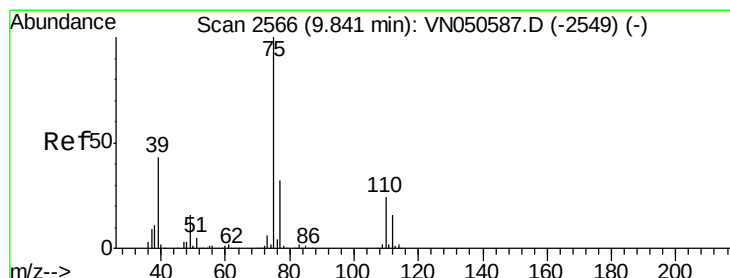
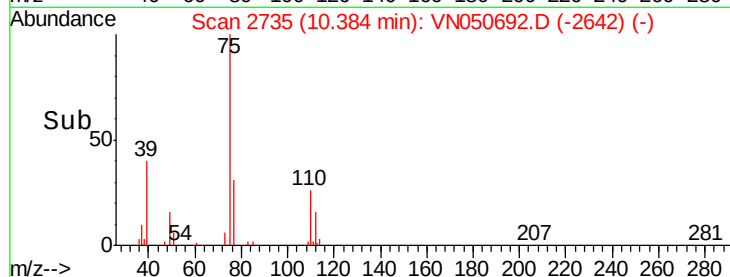
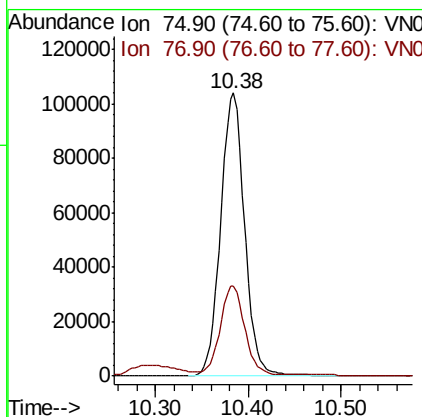
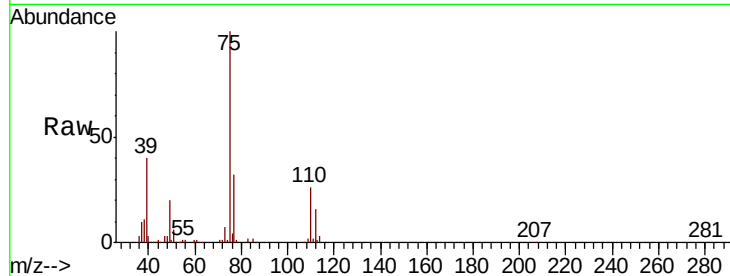
#53
t-1,3-Dichloropropene
Concen: 19.58 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.6

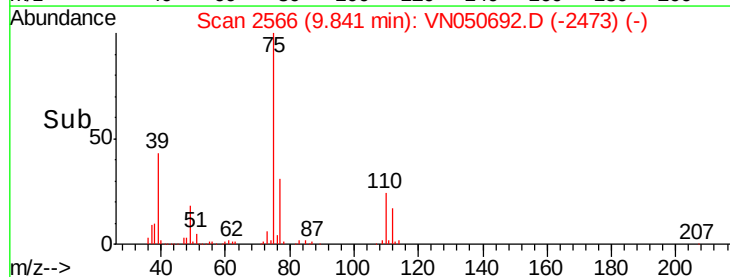
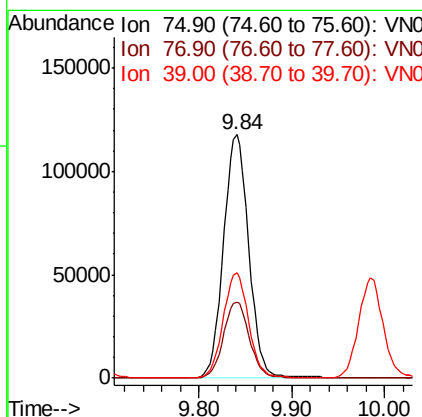
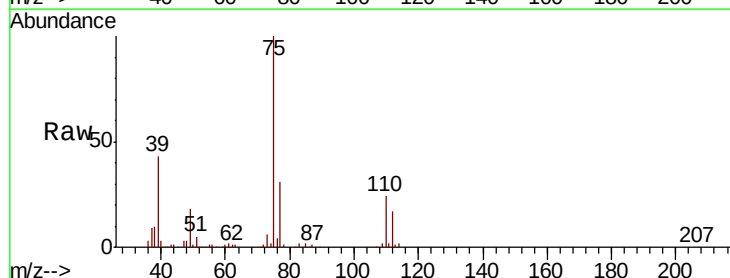
Manual Integrations
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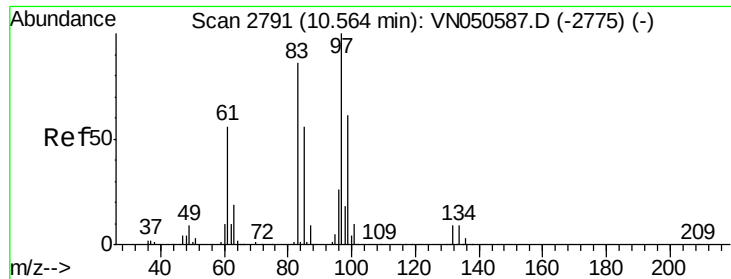
MMDadoda
8/17/2018 3:55:27 PM



#54
cis-1,3-Dichloropropene
Concen: 20.28 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4
39	43.1	34.4	51.6





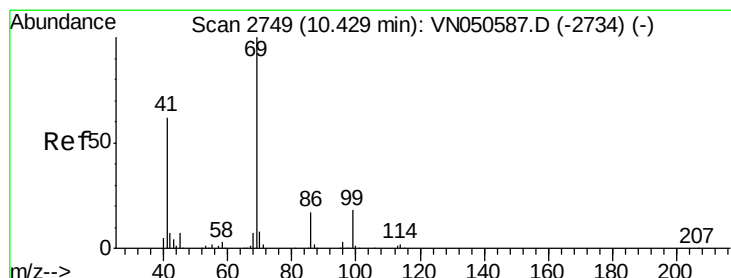
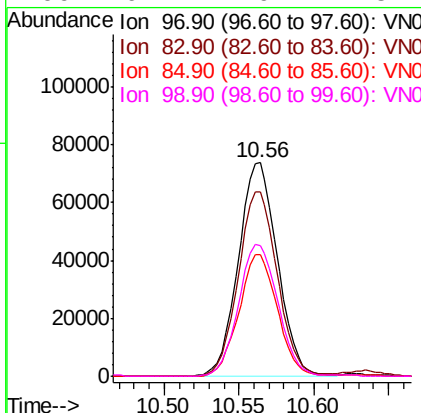
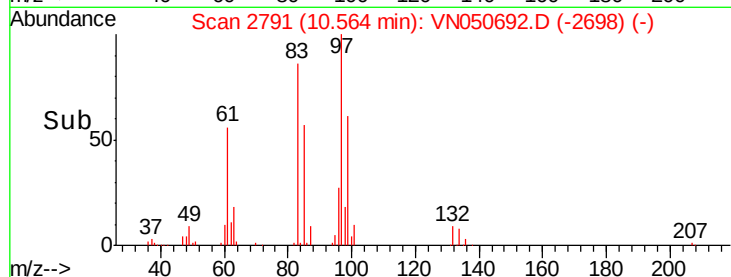
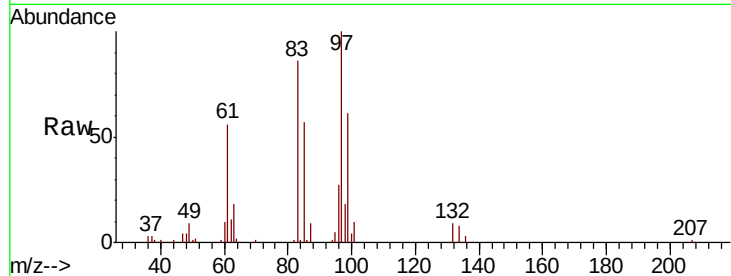
#55
 1,1,2-Trichloroethane
 Concen: 19.68 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0816WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		133977		
83	86.5	68.5	102.7		
85	56.9	44.6	66.8		
99	61.4	49.1	73.7		

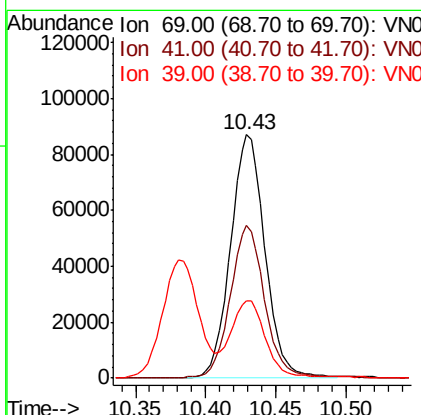
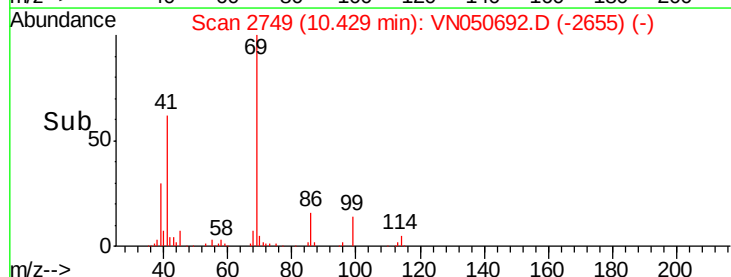
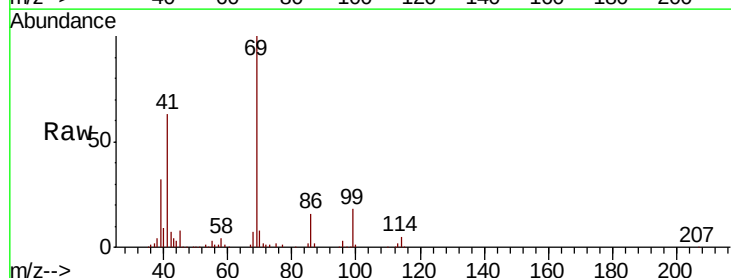
Manual Integrations
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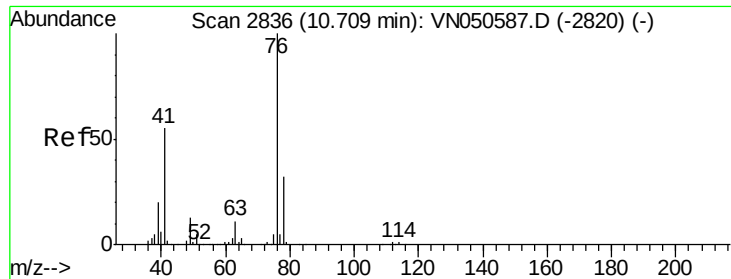
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#56
 Ethyl methacrylate
 Concen: 18.40 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		148879		
41	61.0	49.7	74.5		
39	30.5	24.2	36.2		





#57

1,3-Dichloropropane

Concen: 19.60 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

ClientSampled :

VN0816WBS01

Tot Ion: 76 Resp: 218732

Ion Ratio Lower Upper

76 100

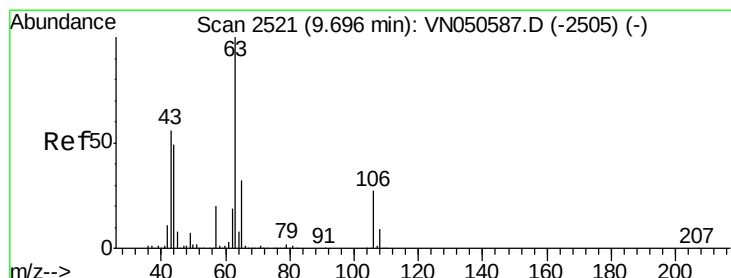
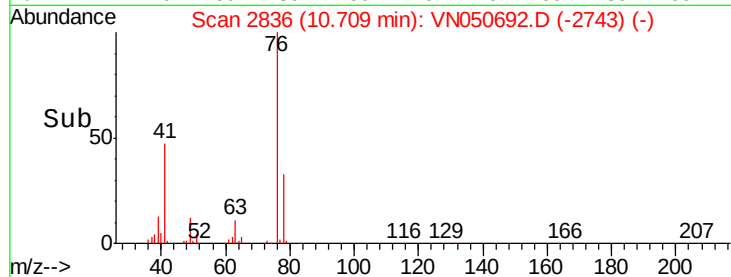
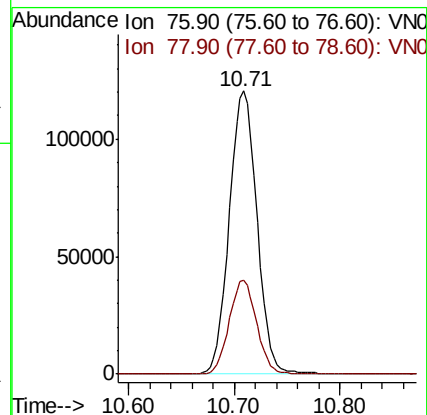
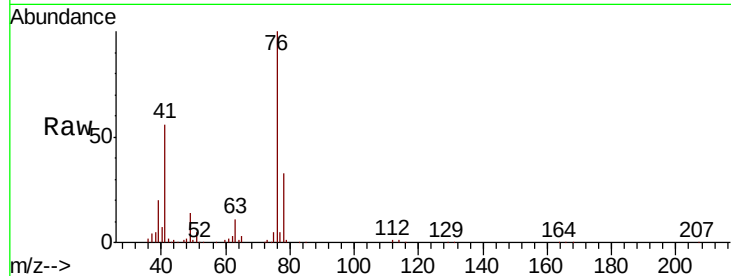
78 32.8 25.8 38.6

Manual Integrations

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8/17/2018 3:55:27 PM



#58

2-Chloroethyl Vinyl ether

Concen: 95.29 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050692.D

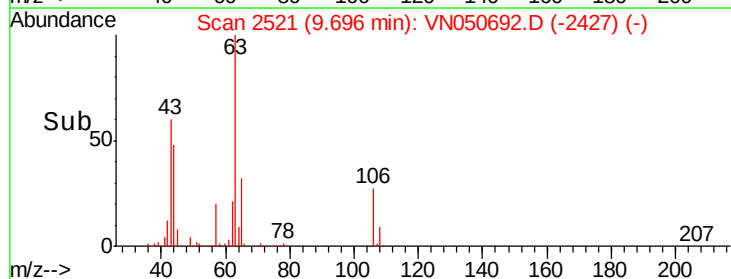
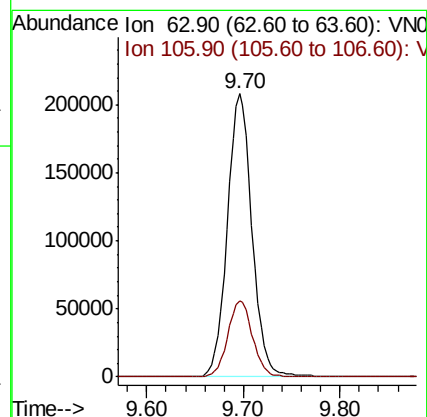
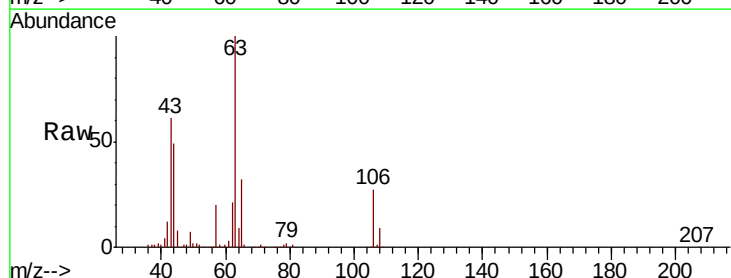
Acq: 16 Aug 2018 10:41

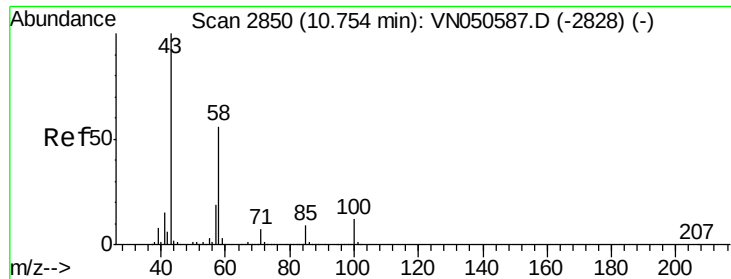
Tgt Ion: 63 Resp: 368380

Ion Ratio Lower Upper

63 100

106 27.1 21.7 32.5





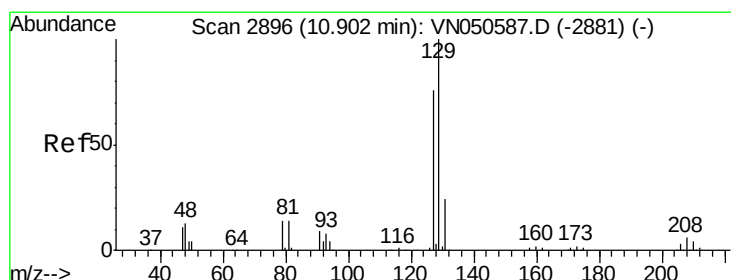
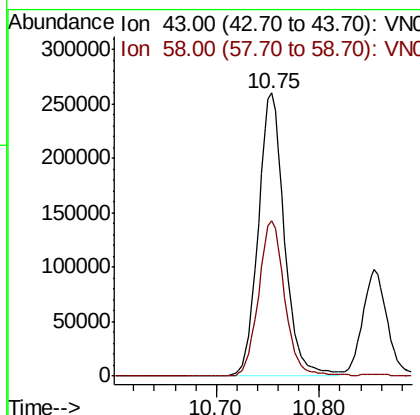
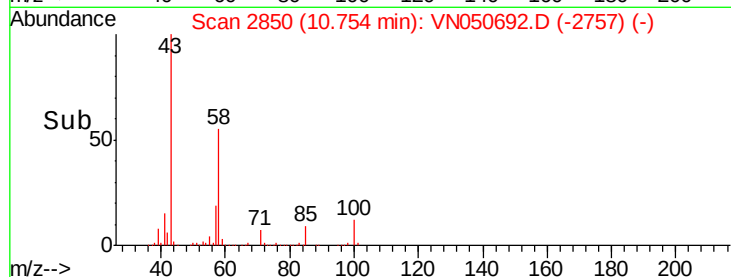
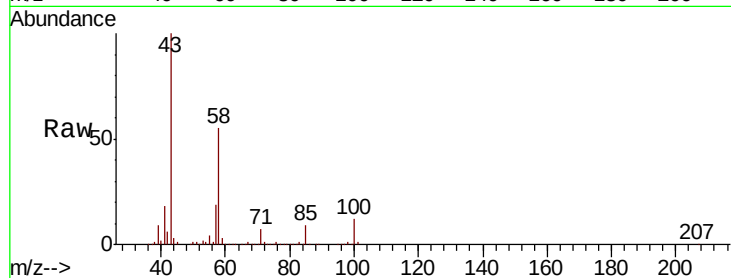
#59
2-Hexanone
Concen: 100.36 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	28.0	84.0

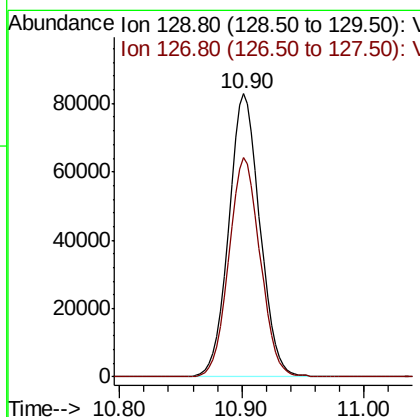
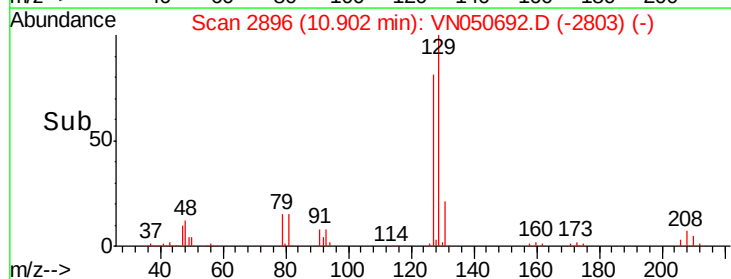
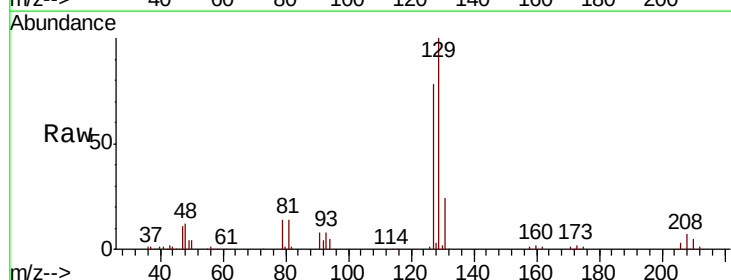
Manual Integrations
APPROVED

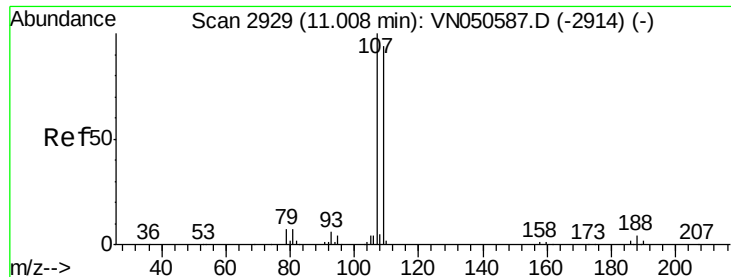
MMDadoda
8/17/2018 3:55:27 PM



#60
Dibromochloromethane
Concen: 19.57 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.9	116.7





#61

1,2-Dibromoethane

Concen: 19.64 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBS01

Tot Ion: 107 Resp: 127346

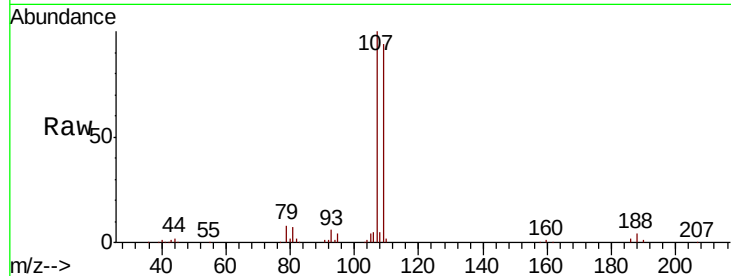
Ion Ratio Lower Upper

107 100

109 93.1 75.7 113.5

Manual Integrations
APPROVED

MMDadoda
8/17/2018 3:55:27 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

80000

60000

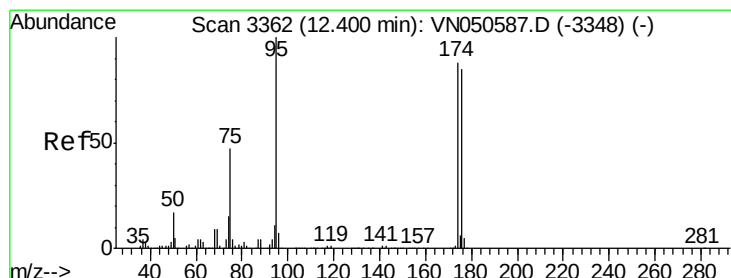
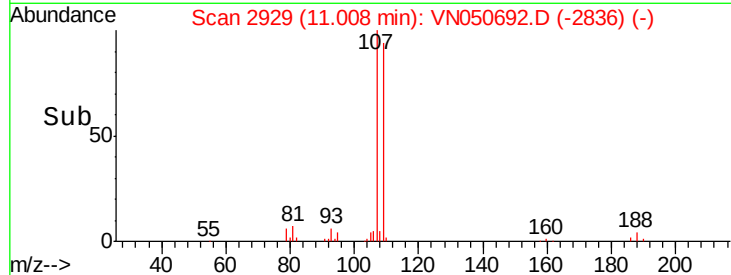
40000

20000

0

11.01

Time-->



#62

4-Bromofluorobenzene

Concen: 49.13 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

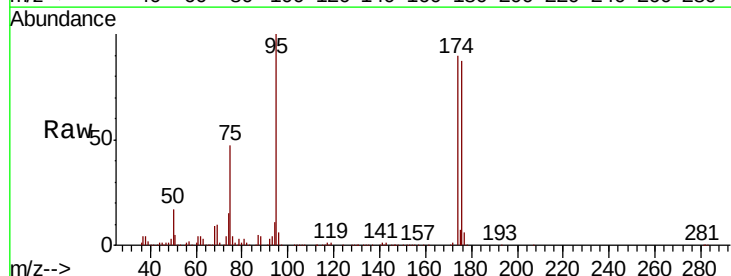
Tgt Ion: 95 Resp: 439525

Ion Ratio Lower Upper

95 100

174 90.3 0.0 177.8

176 87.2 0.0 175.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

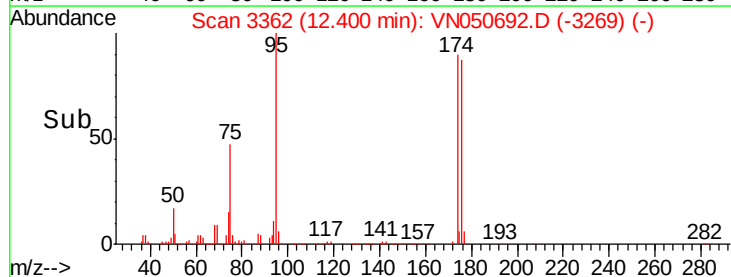
200000

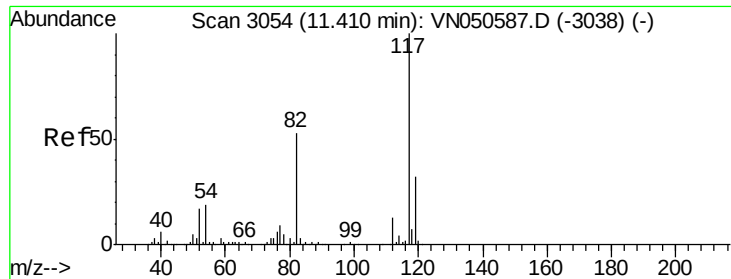
100000

0

12.40

Time-->





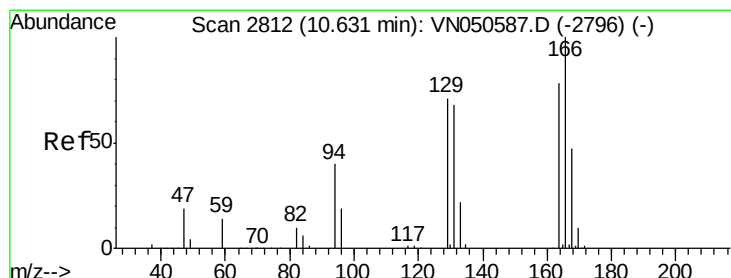
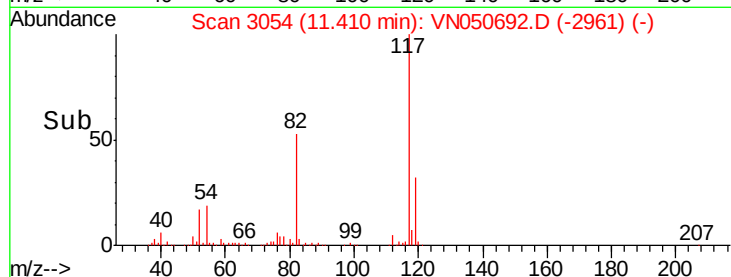
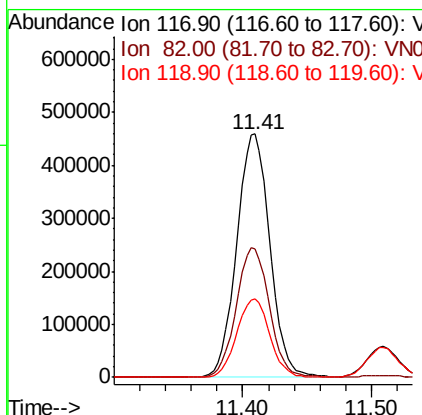
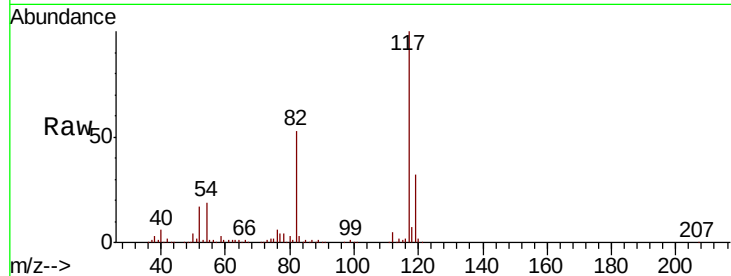
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.4	63.6
119	32.2	25.8	38.8

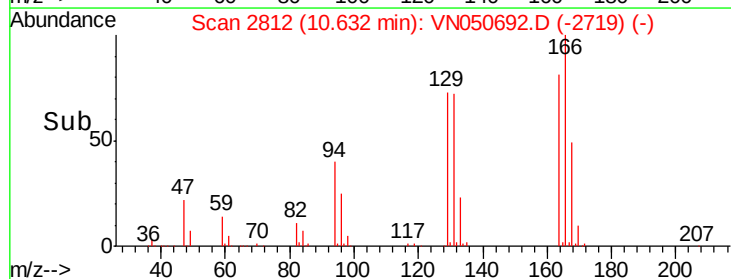
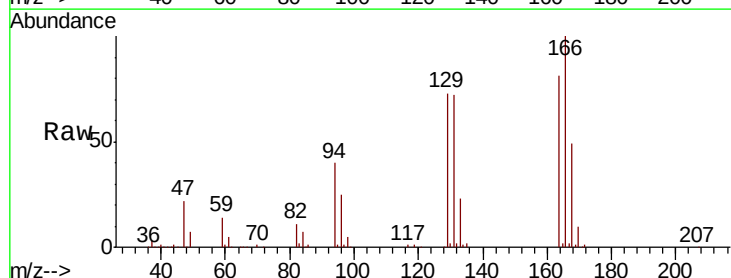
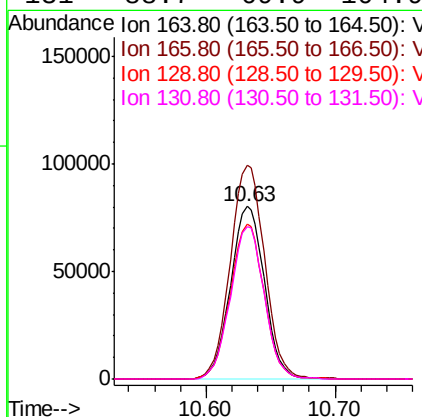
Manual Integrations
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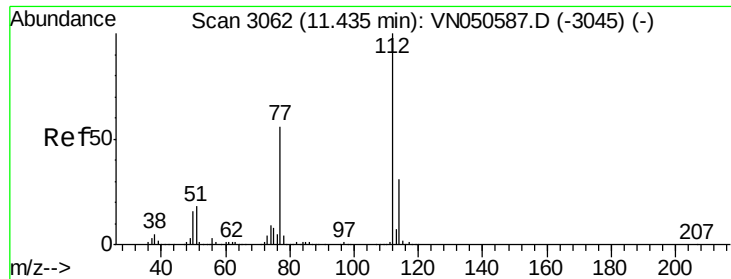
MMDadoda
8/17/2018 3:55:27 PM



#64
Tetrachloroethene
Concen: 19.14 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	102.1	153.1
129	90.0	72.7	109.1
131	88.7	69.9	104.9





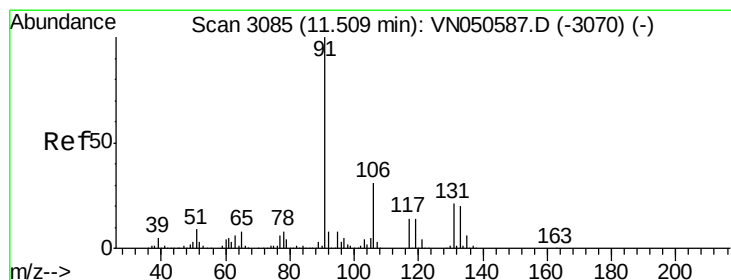
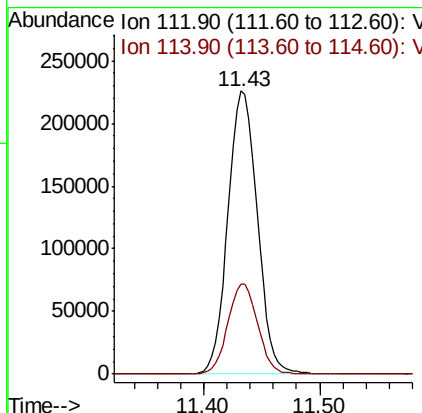
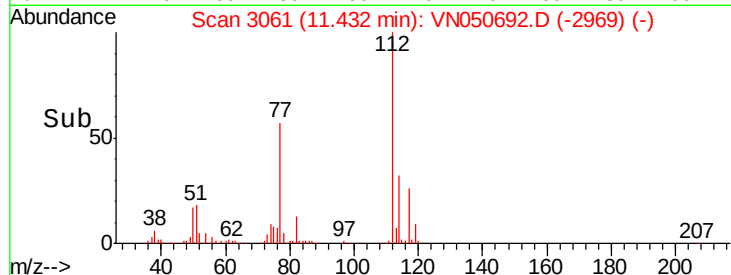
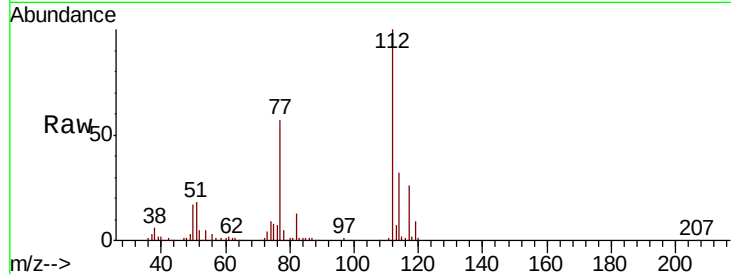
#65
Chlorobenzene
Concen: 19.44 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Instrument :
MSVOA_N
ClientSampled :
VN0816WBS01

Tot Ion:112 Resp: 398166
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8

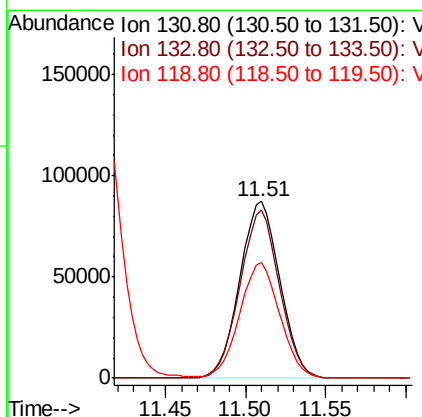
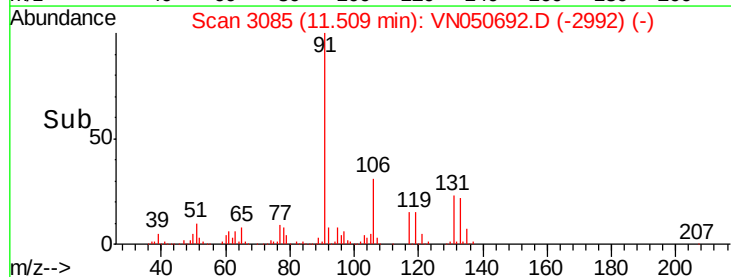
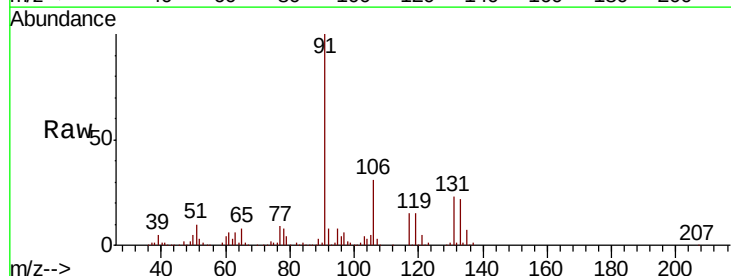
Manual Integrations
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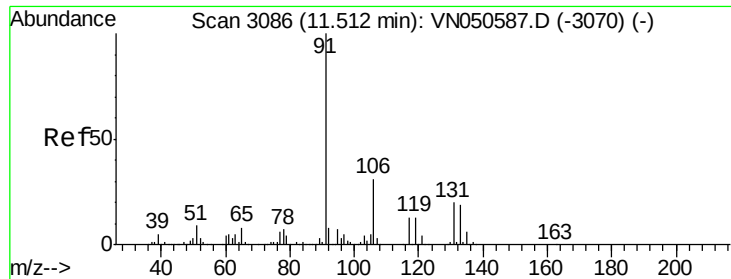
MMDadoda
8/17/2018 3:55:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.46 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Tgt Ion:131 Resp: 149478
Ion Ratio Lower Upper
131 100
133 94.0 47.6 142.9
119 65.5 33.1 99.3





#67

Ethyl Benzene

Concen: 19.74 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBS01

Tot Ion: 91 Resp: 653066

Ion Ratio Lower Upper

91 100

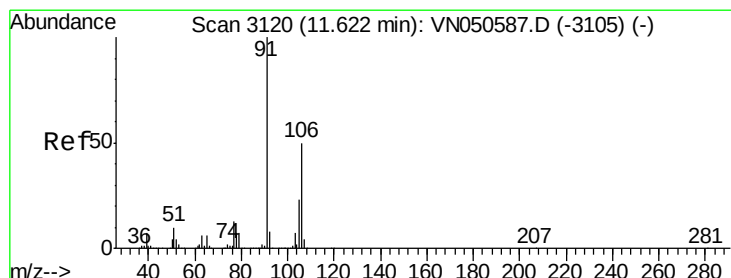
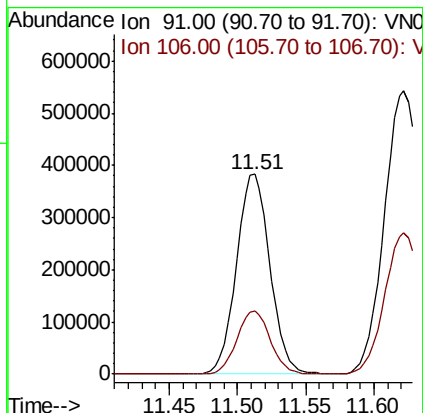
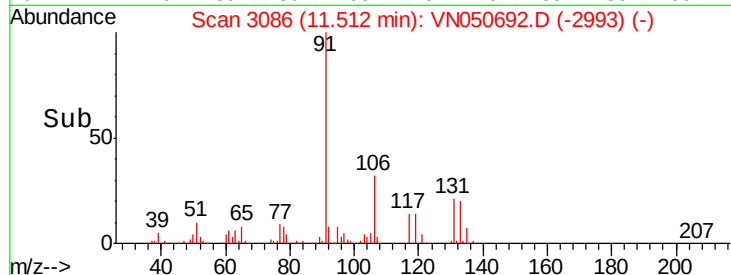
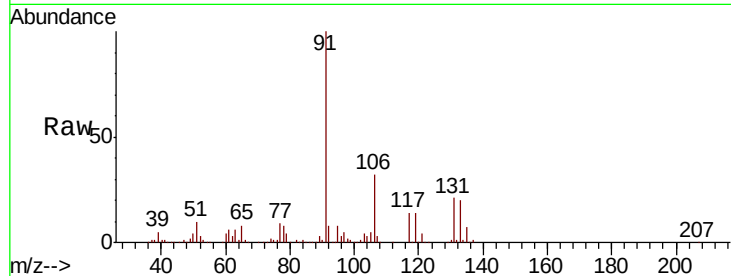
106 31.8 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.74 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050692.D

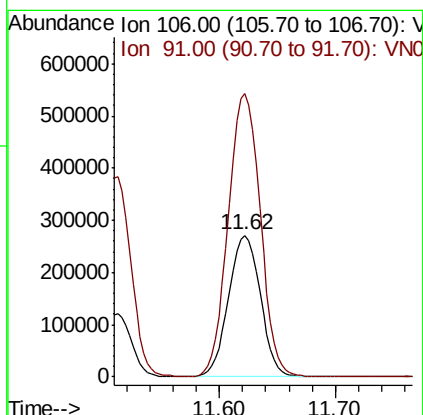
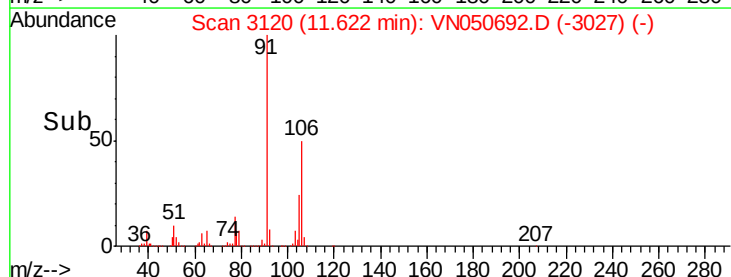
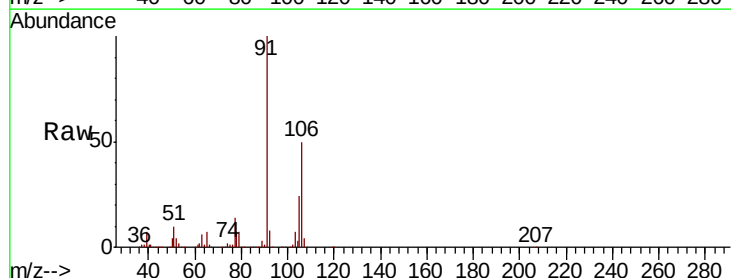
Acq: 16 Aug 2018 10:41

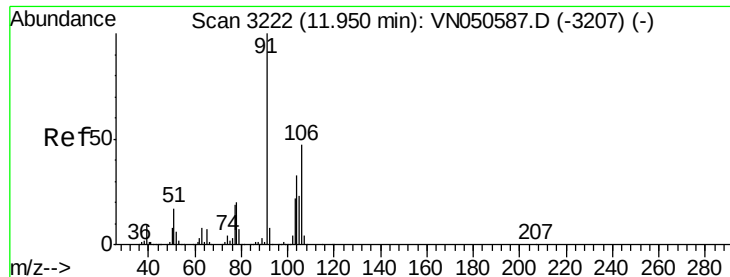
Tgt Ion: 106 Resp: 515410

Ion Ratio Lower Upper

106 100

91 201.9 161.5 242.3





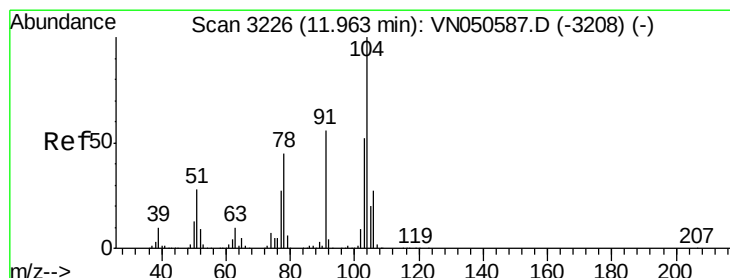
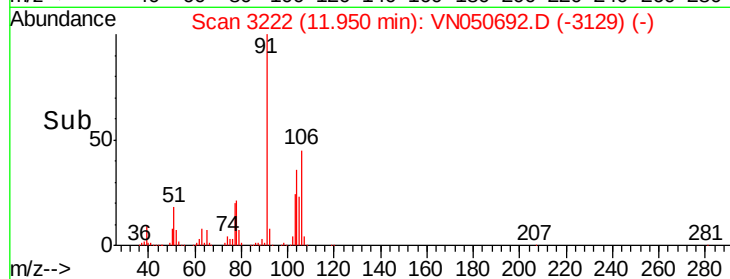
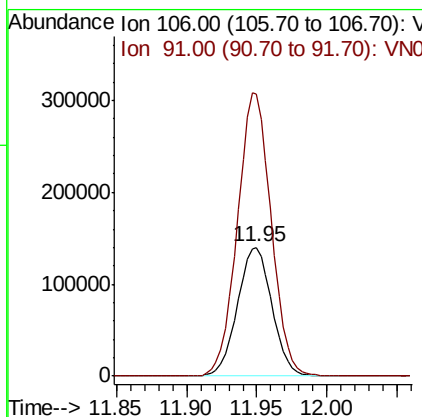
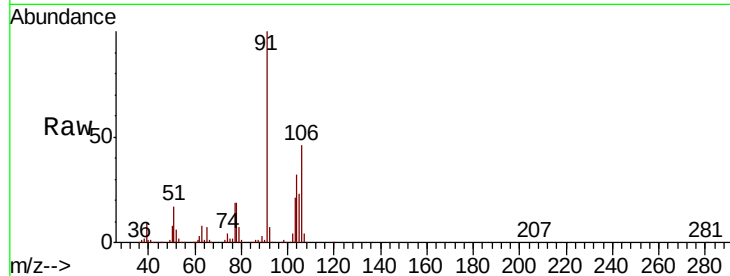
#69
o-Xylene
Concen: 19.85 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.9	106.8	320.4	

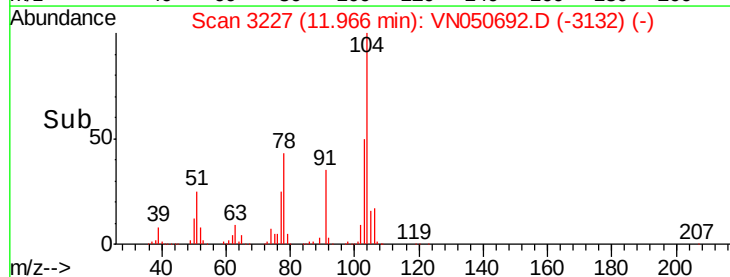
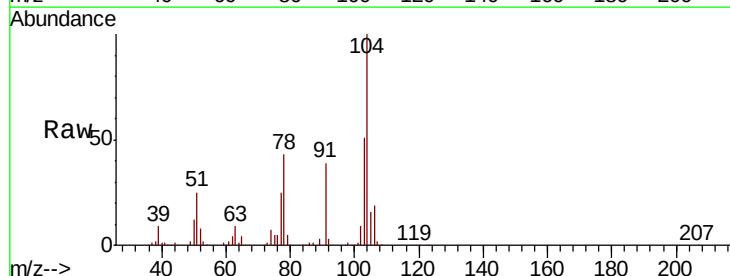
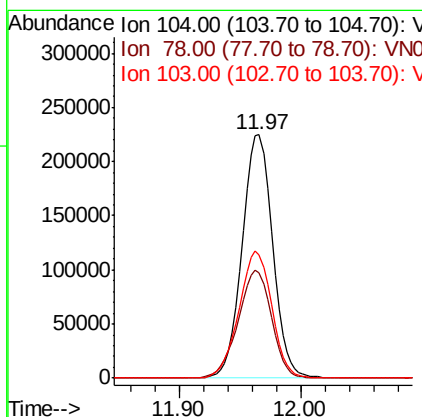
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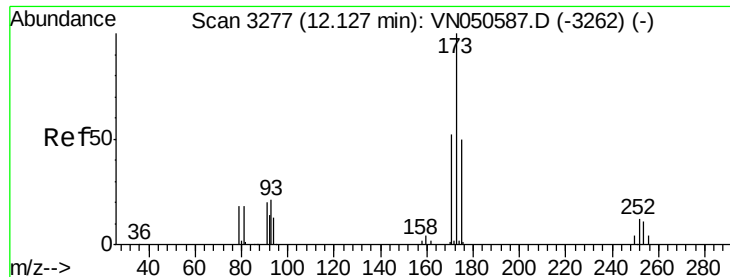
MMDadoda
8/17/2018 3:55:27 PM



#70
Styrene
Concen: 18.66 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.5	39.1	58.7	
103	56.3	44.9	67.3	





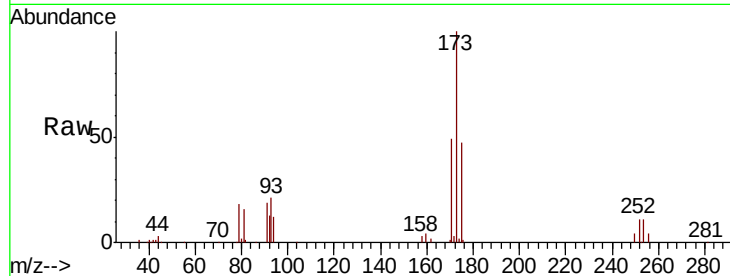
#71
Bromoform
Concen: 19.66 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBS01

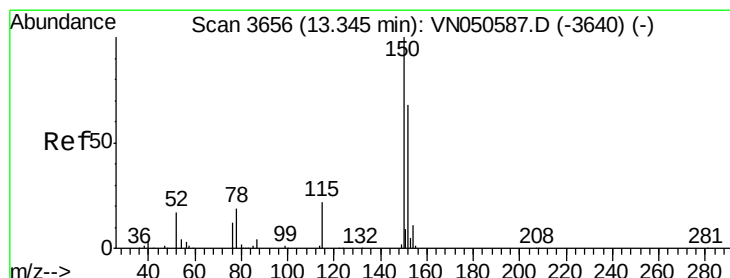
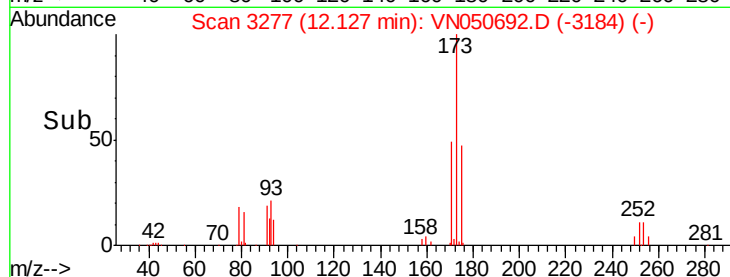
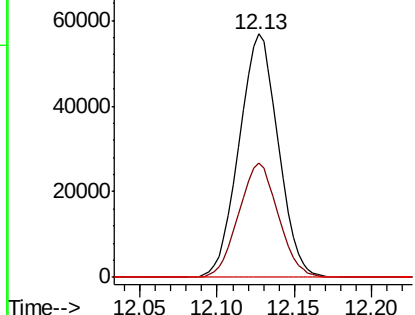
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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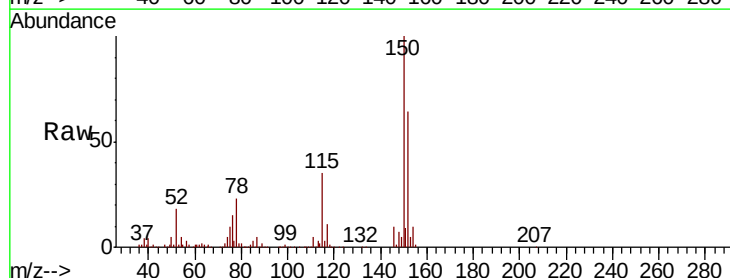


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

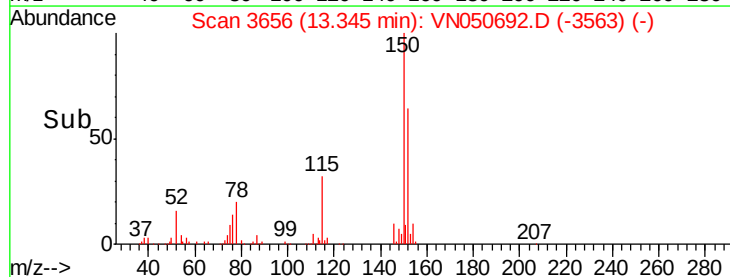
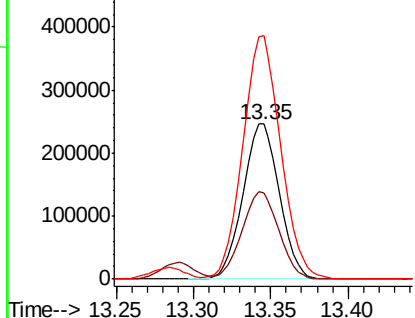


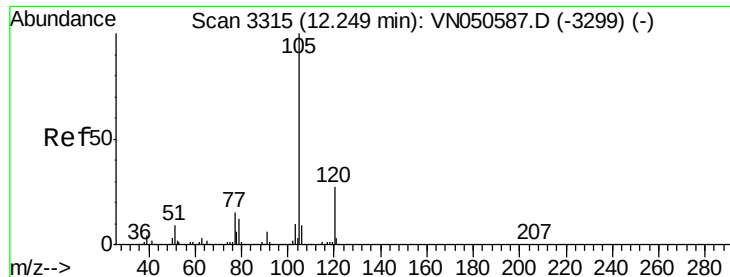
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.1	84.2
150	163.1	0.0	347.8



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





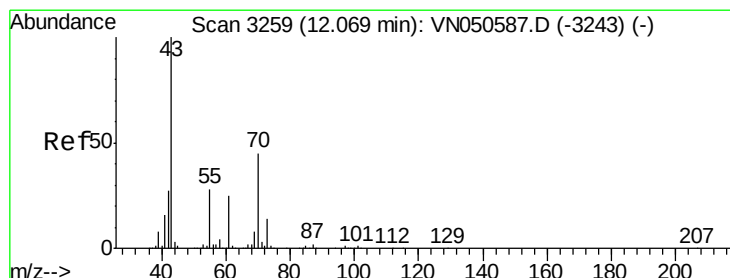
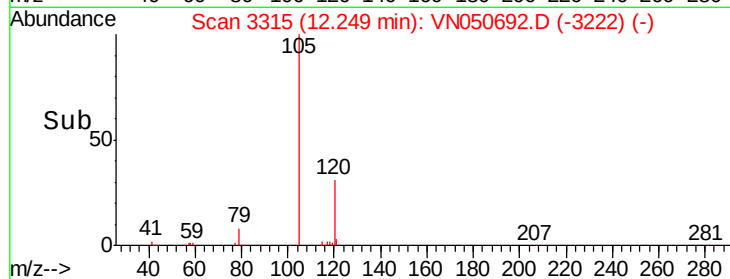
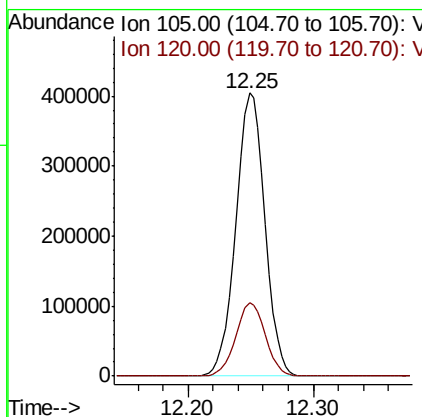
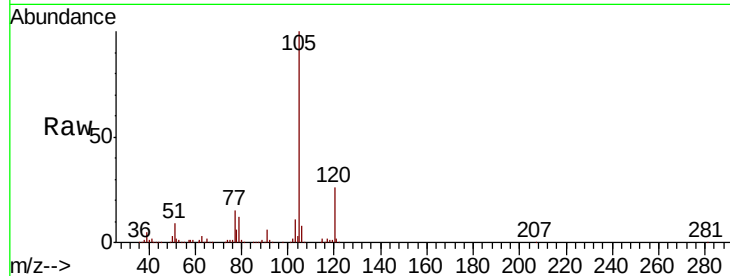
#73
Isopropylbenzene
Concen: 20.54 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.4	40.1

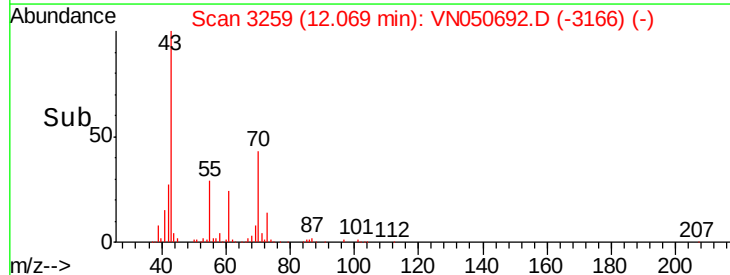
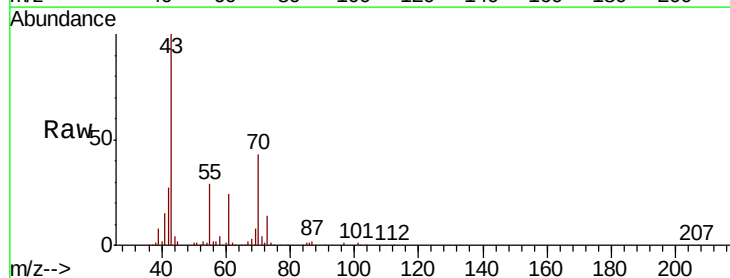
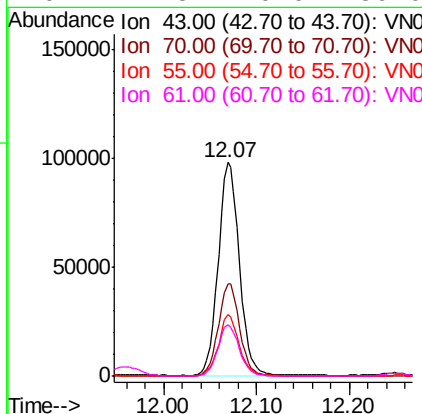
Manual Integrations
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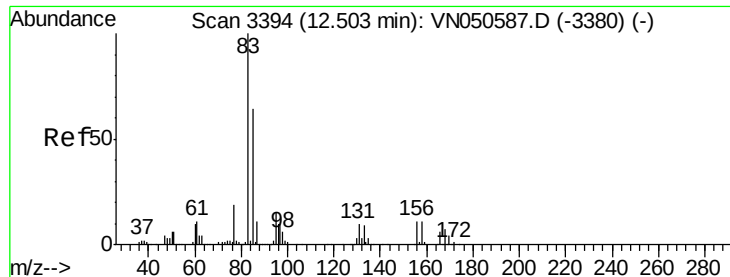
MMDadoda
8/17/2018 3:55:27 PM



#74
N-ethyl acetate
Concen: 18.73 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.9	35.9	53.9
55	28.1	22.2	33.4
61	24.3	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.01 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBS01

Tot Ion: 83 Resp: 164000

Ion Ratio Lower Upper

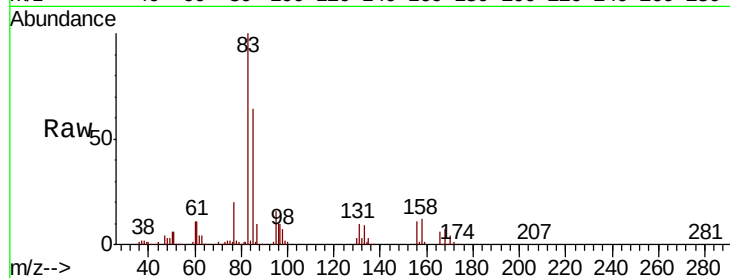
83 100

131 10.3 5.3 15.9

85 62.7 32.1 96.5

Manual Integrations
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MMDadoda
8/17/2018 3:55:27 PM



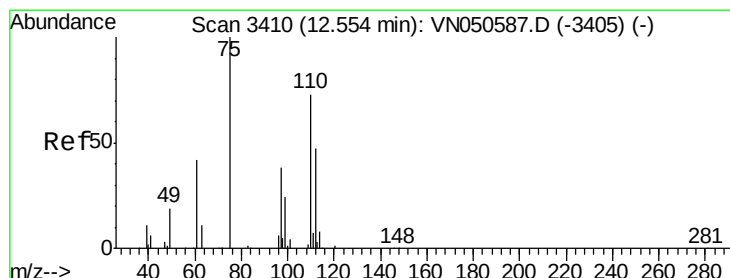
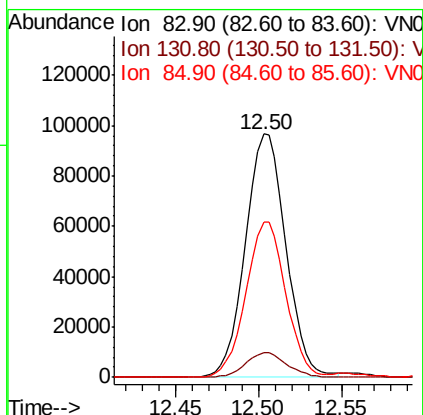
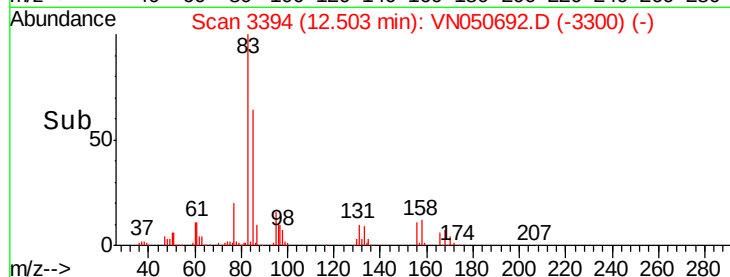
Abundance Ion 82.90 (82.60 to 83.60): VN050587.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050587.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050587.D (-3380) (-)

12.50

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 17.52 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050692.D

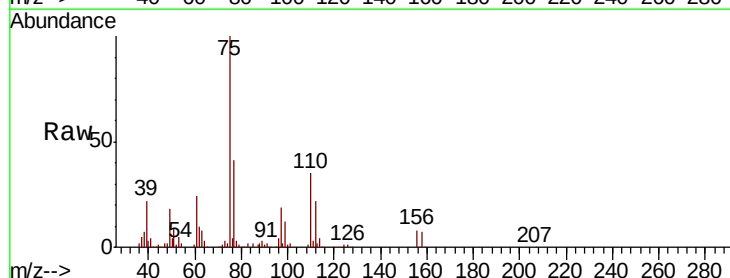
Acq: 16 Aug 2018 10:41

Tgt Ion: 75 Resp: 118777

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

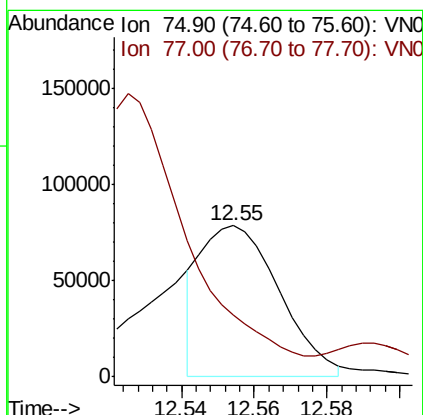
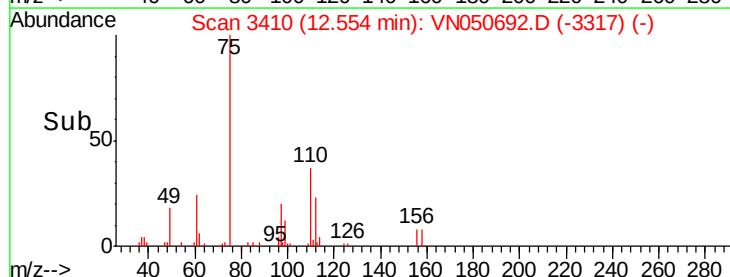


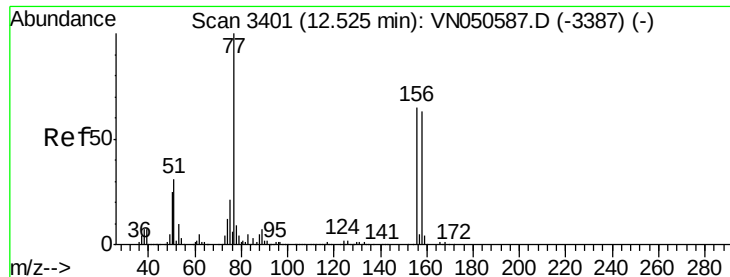
Abundance Ion 74.90 (74.60 to 75.60): VN050587.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN050587.D (-3405) (-)

12.55

12.54 12.56 12.58





#77

Bromobenzene

Concen: 19.11 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

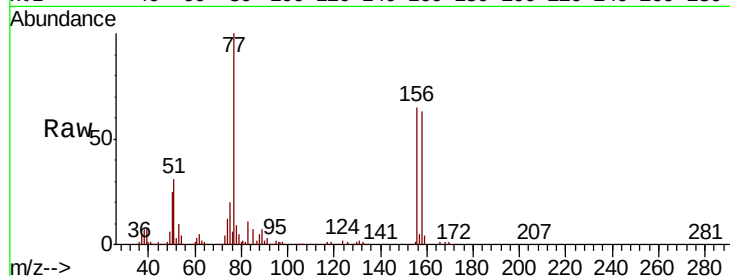
ClientSampleId :

VN0816WBS01

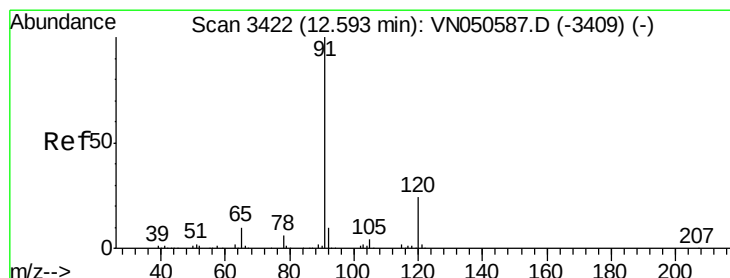
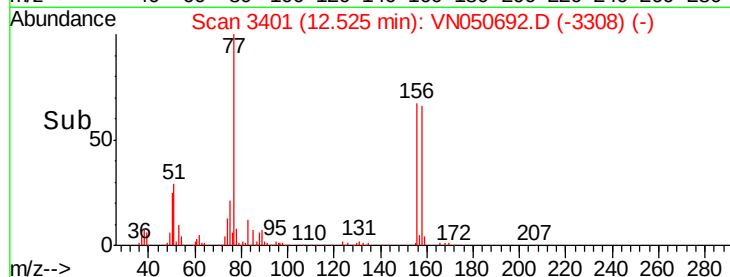
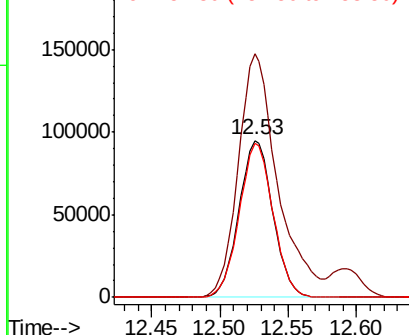
Tot Ion:	156	Resp:	163866
Ion Ratio	Lower	Upper	
156	100		
77	181.4	89.0	267.1
158	97.8	48.5	145.6

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.90 ug/l

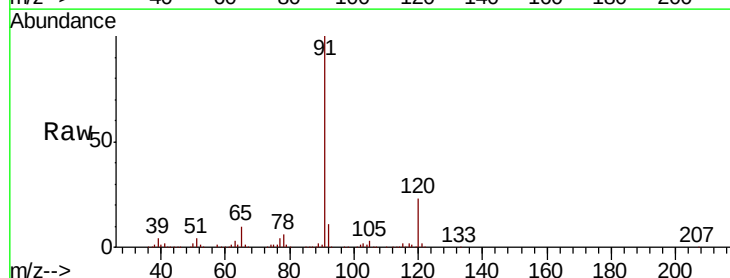
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

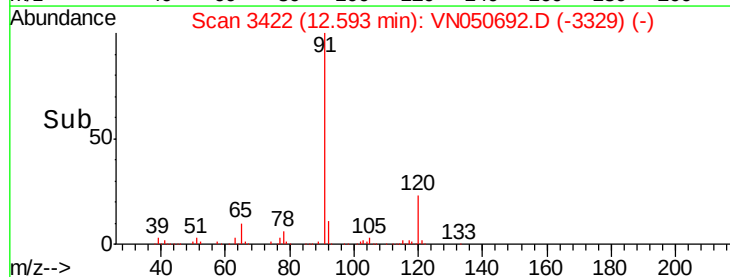
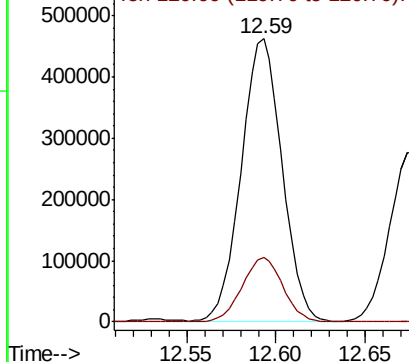
Lab File: VN050692.D

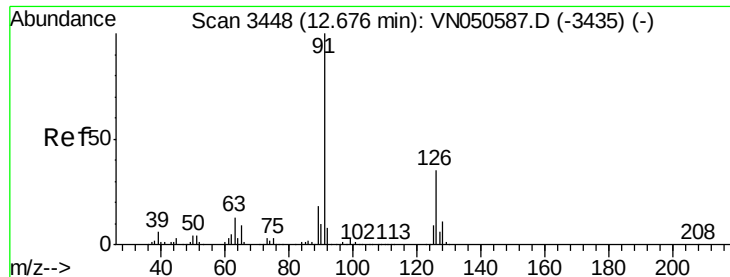
Acq: 16 Aug 2018 10:41

Tgt Ion:	91	Resp:	736109
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.30 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBS01

Tot Ion: 91 Resp: 445720

Ion Ratio Lower Upper

91 100

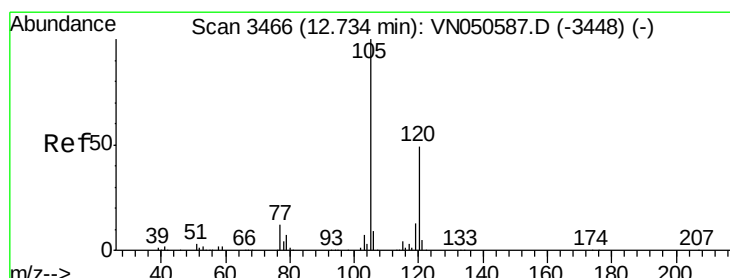
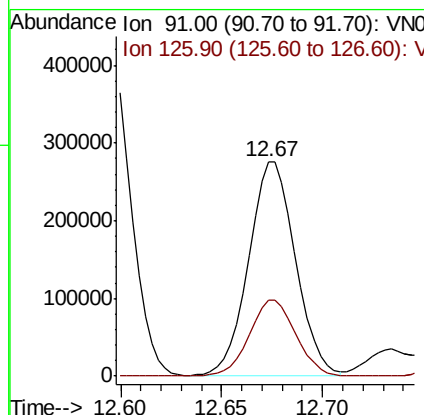
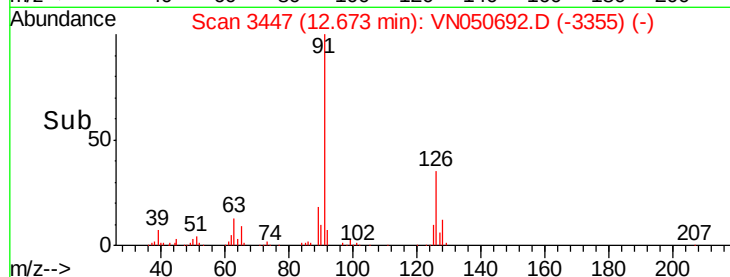
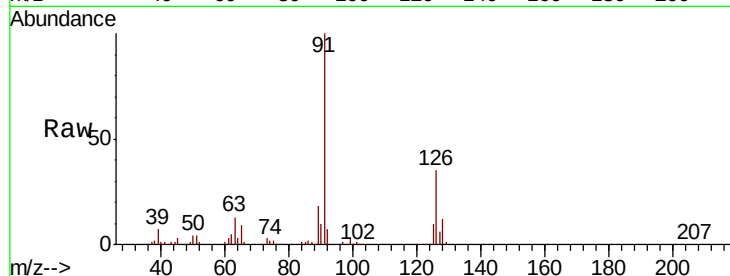
126 35.4 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.15 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050692.D

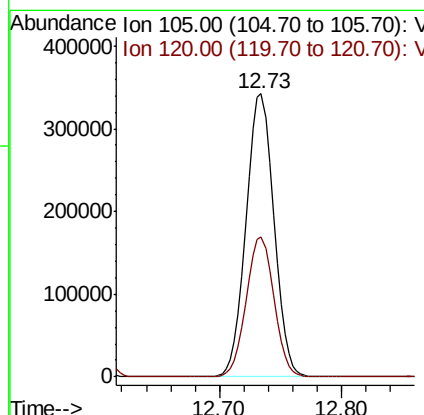
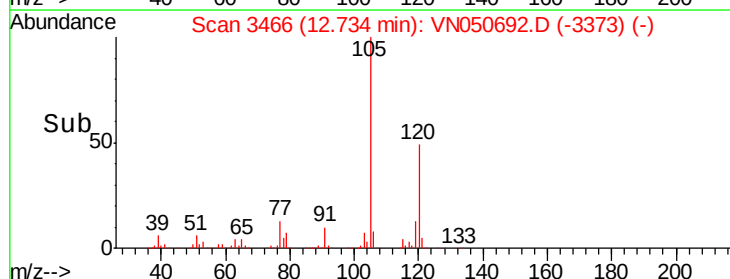
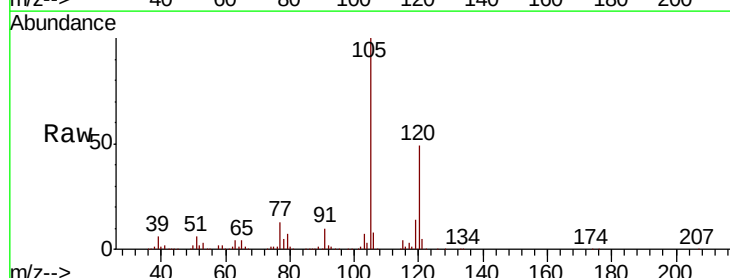
Acq: 16 Aug 2018 10:41

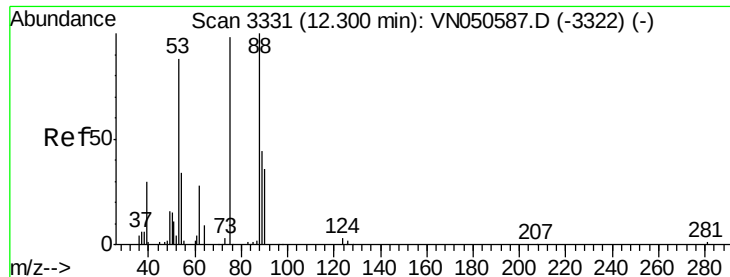
Tgt Ion: 105 Resp: 534945

Ion Ratio Lower Upper

105 100

120 49.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.50 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBS01

Tot Ion: 75 Resp: 35463

Ion Ratio Lower Upper

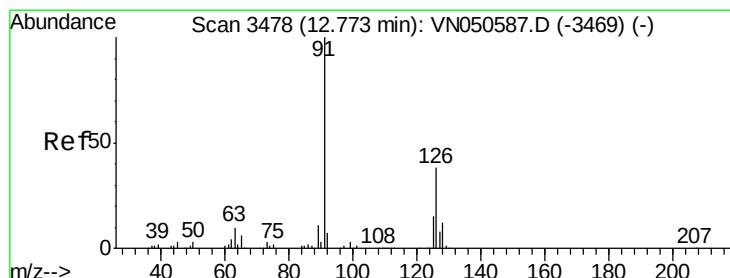
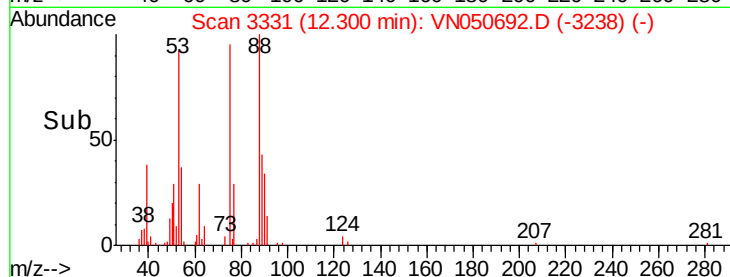
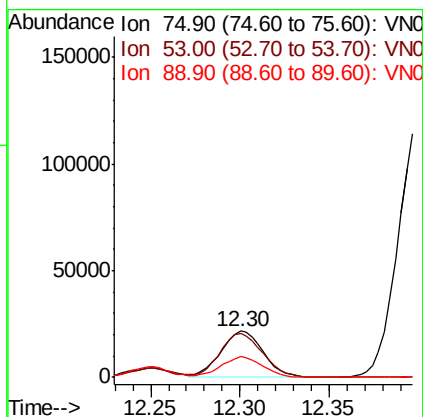
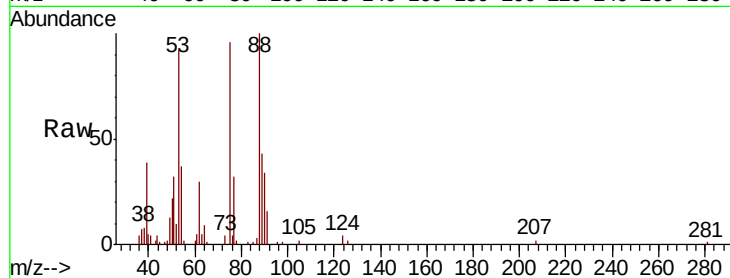
75 100

53 98.1 72.2 108.2

89 44.7 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.46 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050692.D

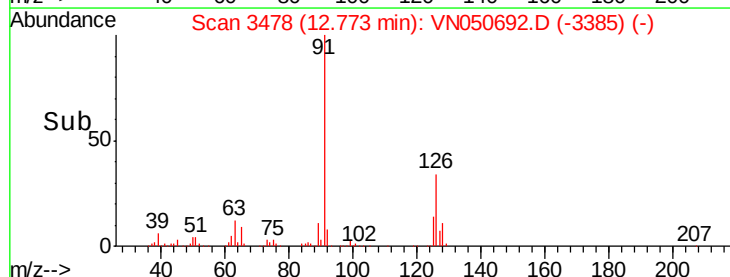
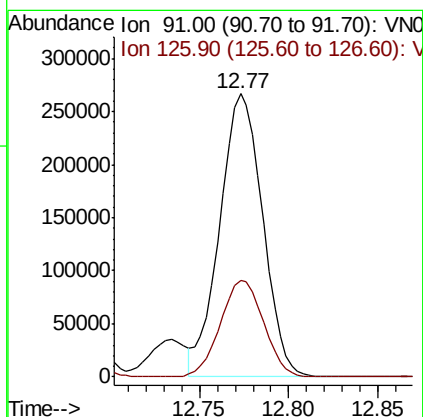
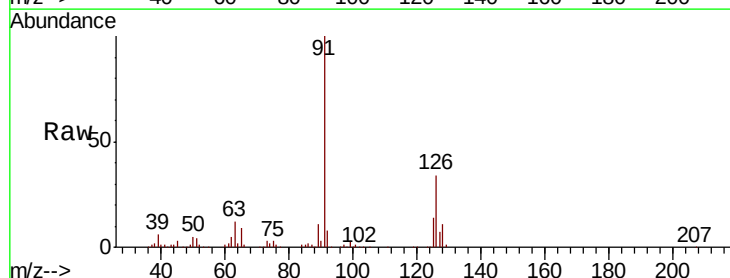
Acq: 16 Aug 2018 10:41

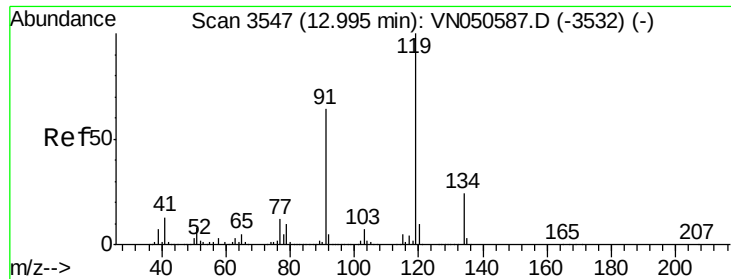
Tgt Ion: 91 Resp: 443919

Ion Ratio Lower Upper

91 100

126 34.5 17.3 52.0





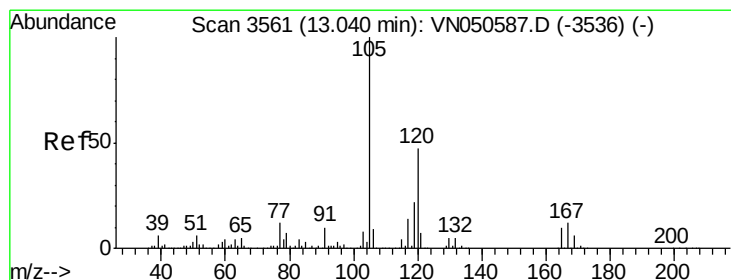
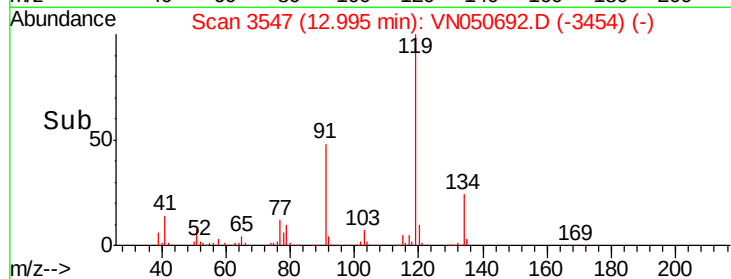
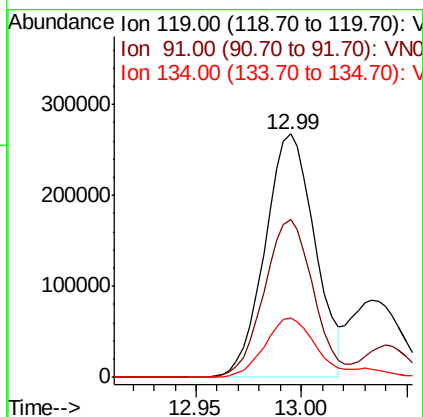
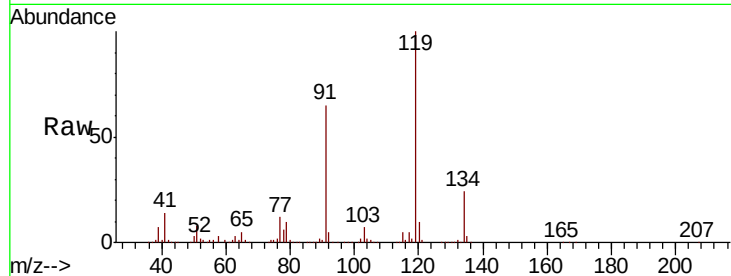
#83
 tert-Butylbenzene
 Concen: 20.06 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	440358		
91	64.4	32.2	96.6	
134	24.5	13.4	40.2	

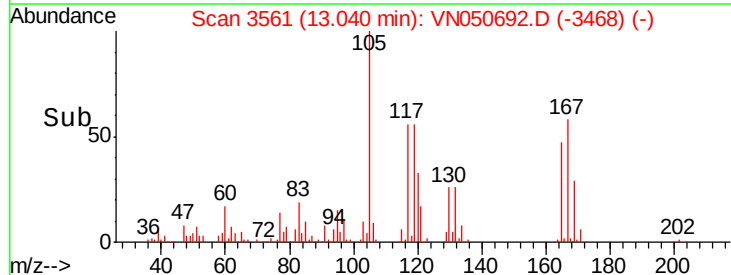
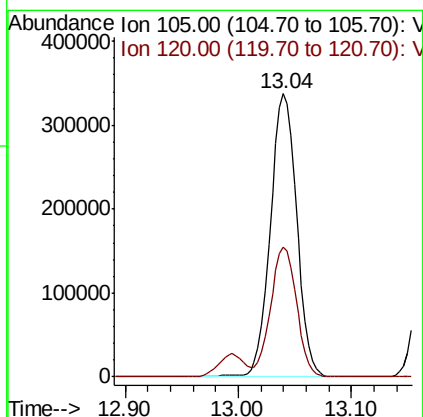
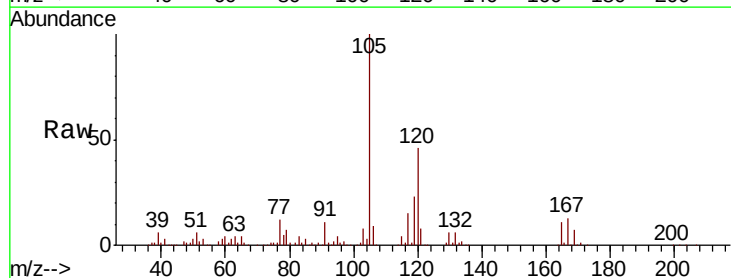
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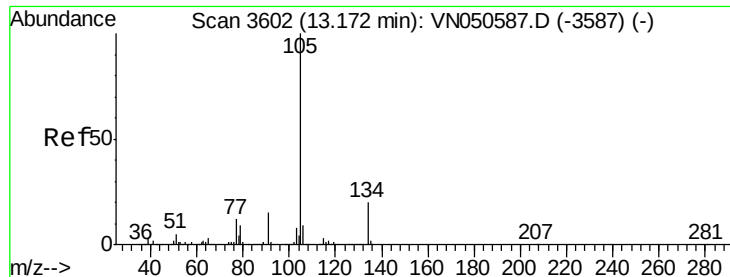
MMDadoda
 8/17/2018 3:55:27 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.45 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	544622		
120	45.3	23.2	69.5	





#85

sec-Butylbenzene

Concen: 20.92 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBS01

Tot Ion:105 Resp: 600247

Ion Ratio Lower Upper

105 100

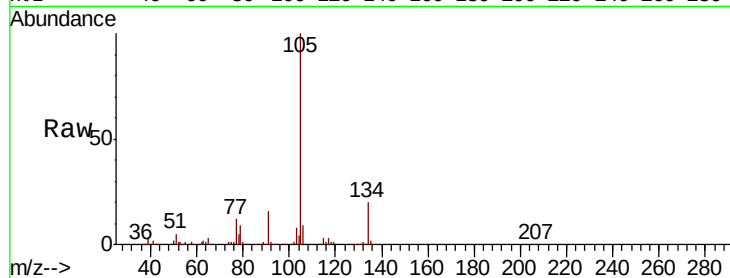
134 20.1 10.1 30.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

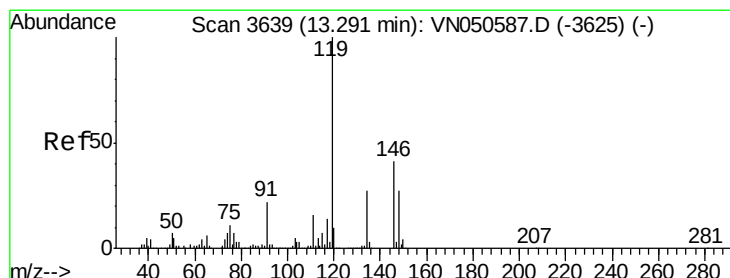
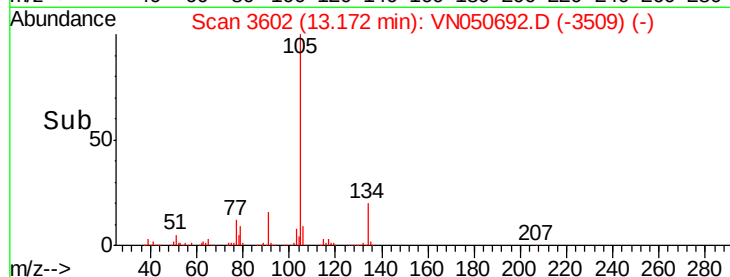
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 21.19 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

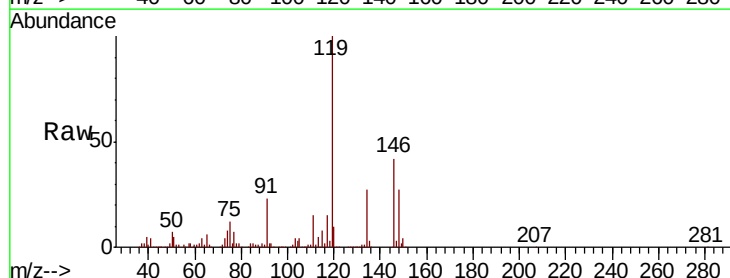
Tgt Ion:119 Resp: 515136

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.8 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

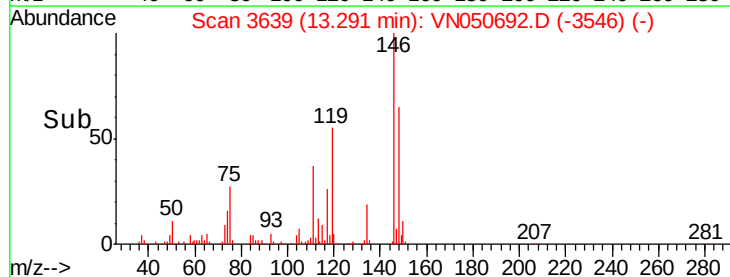
300000

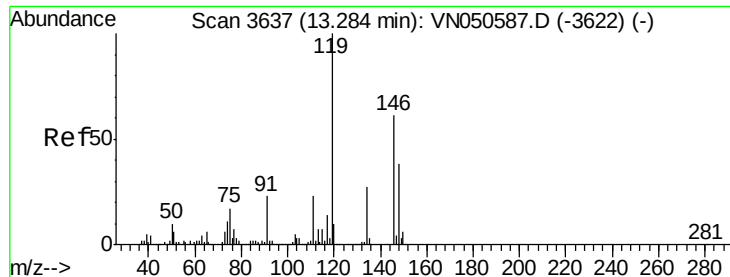
200000

100000

0

Time--> 13.20 13.25 13.30 13.35





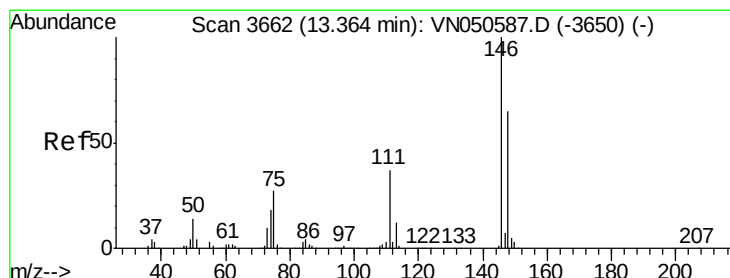
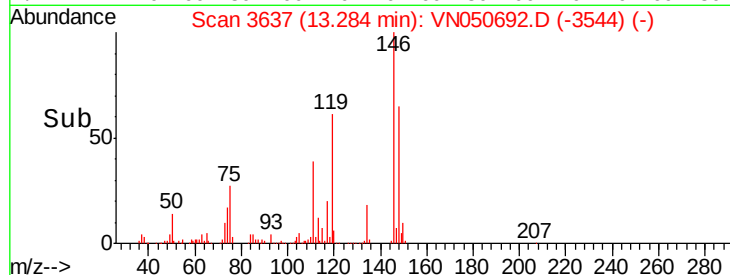
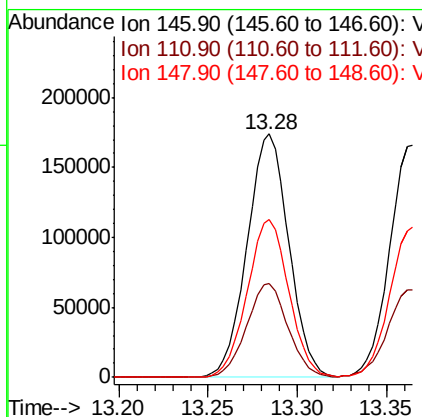
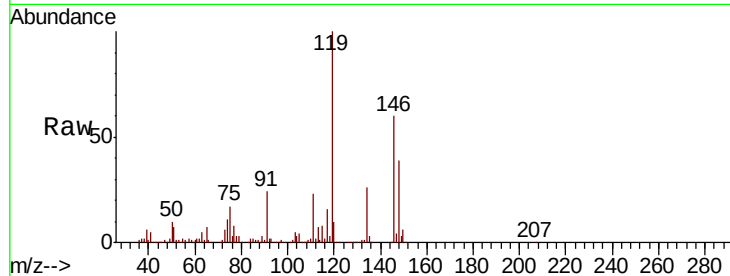
#87
 1,3-Dichlorobenzene
 Concen: 19.46 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.2	57.6
148	64.6	31.9	95.7

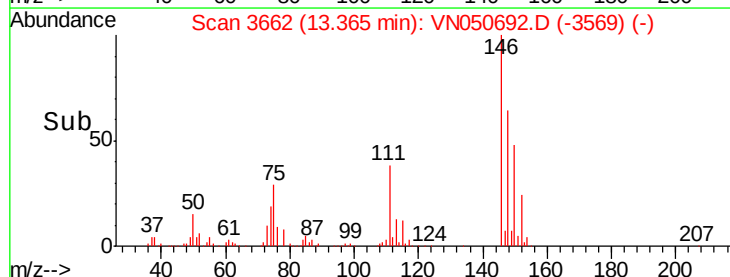
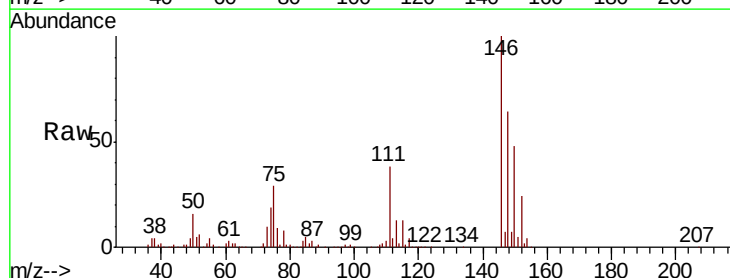
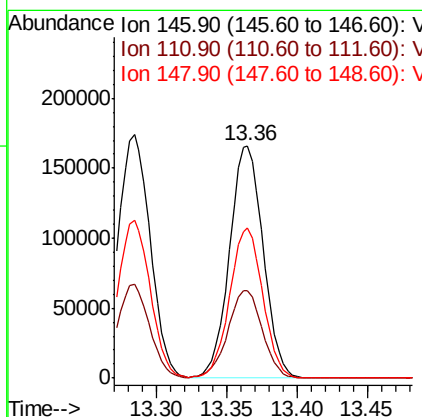
Manual Integrations
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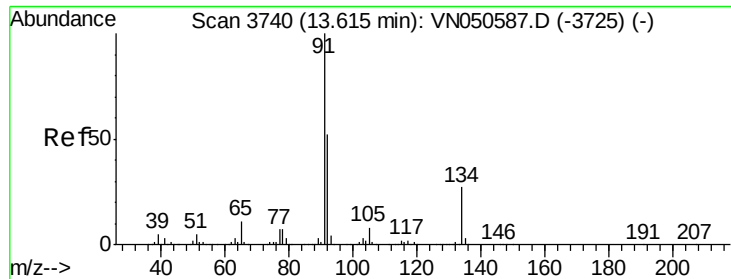
MMDadoda
 8/17/2018 3:55:27 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.15 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.8	56.4
148	63.7	32.3	96.8





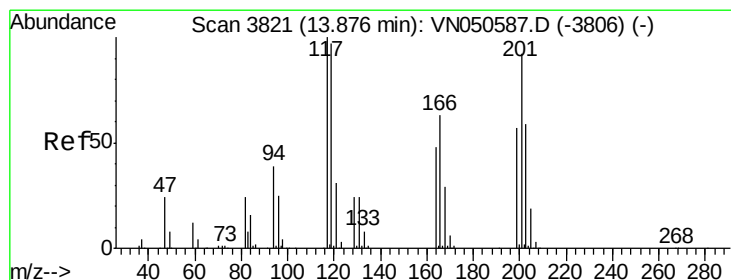
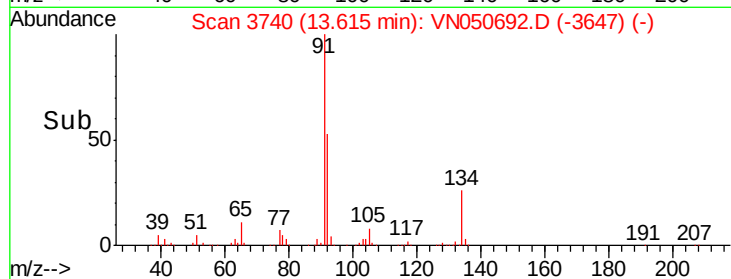
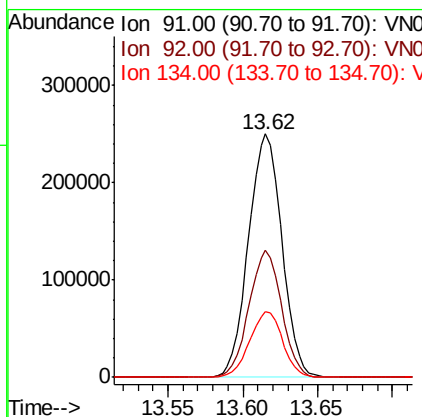
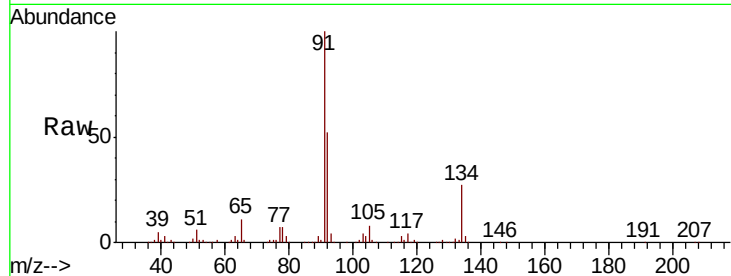
#89
n-Butylbenzene
Concen: 19.84 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	26.3	78.8
134	26.5	13.3	39.9

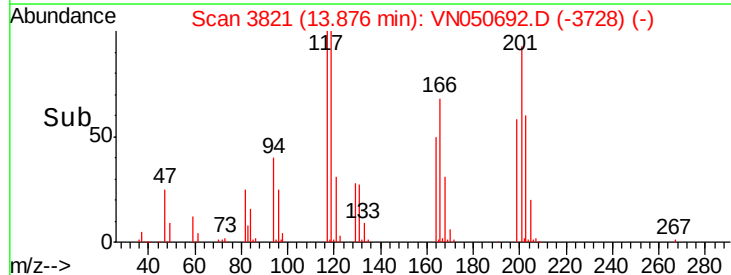
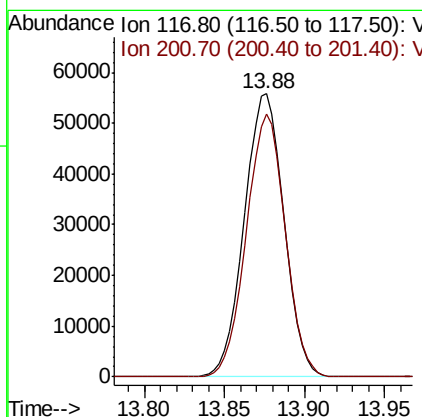
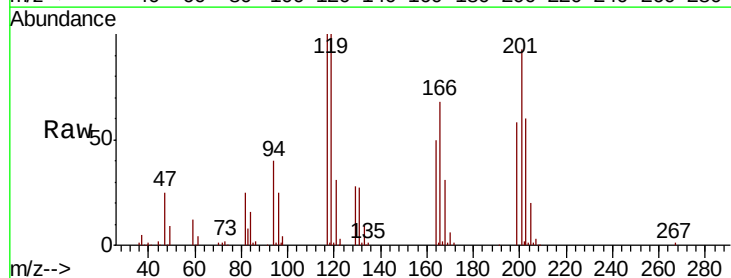
Manual Integrations
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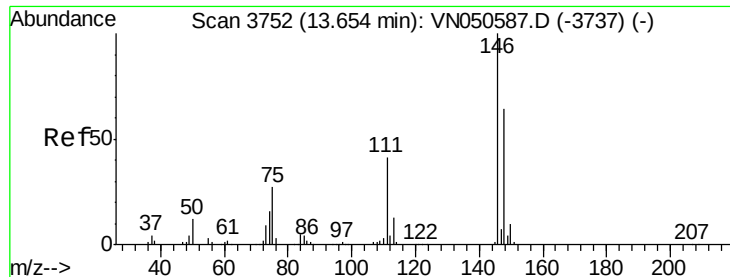
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#90
Hexachloroethane
Concen: 19.32 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050692.D
Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.9	45.5	136.5





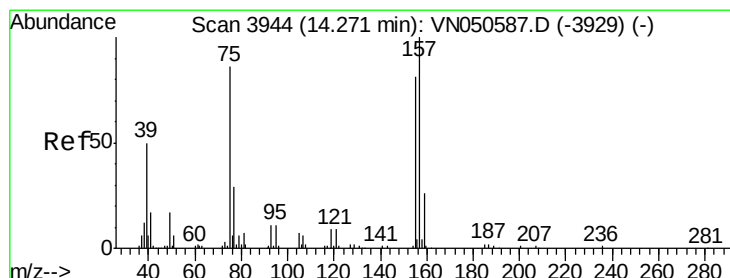
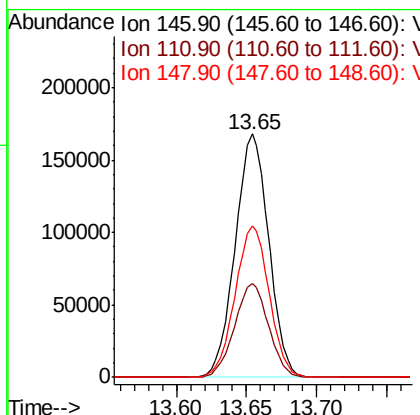
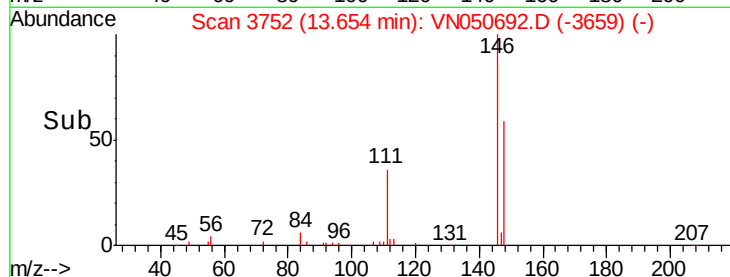
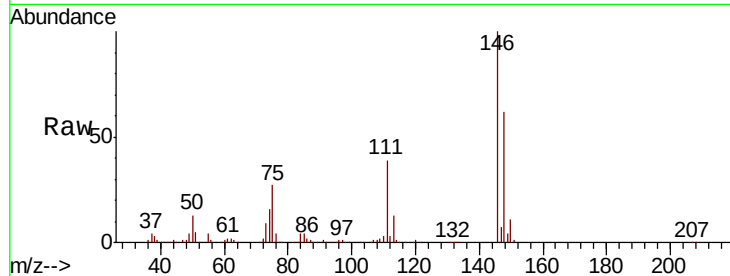
#91
 1,2-Dichlorobenzene
 Concen: 19.68 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.8	59.4
148	62.9	32.3	96.8

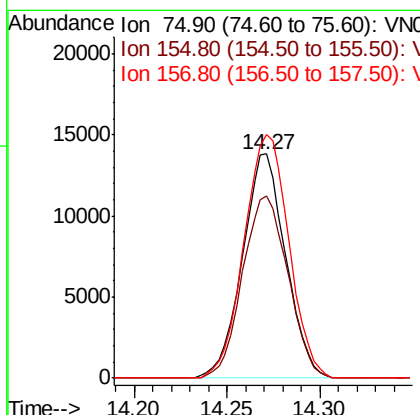
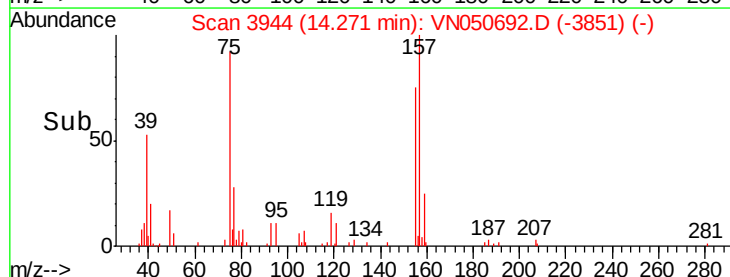
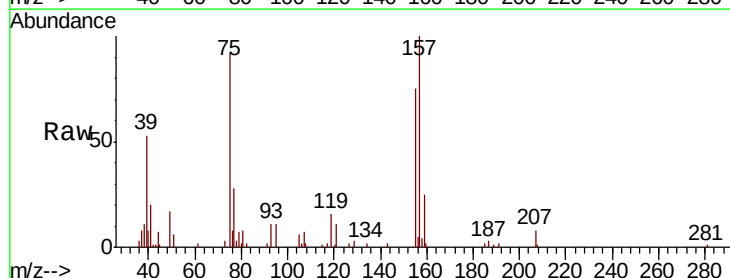
Manual Integrations
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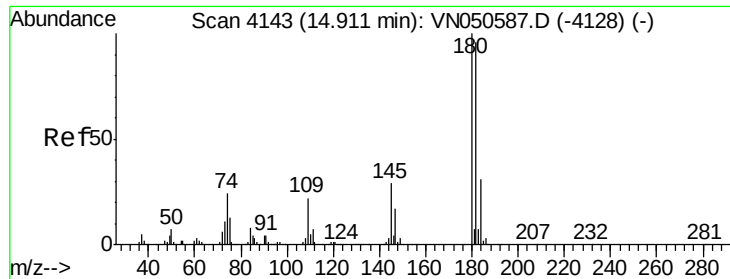
MMDadoda
 8/17/2018 3:55:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.83 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	46.6	139.8
157	112.8	58.1	174.2





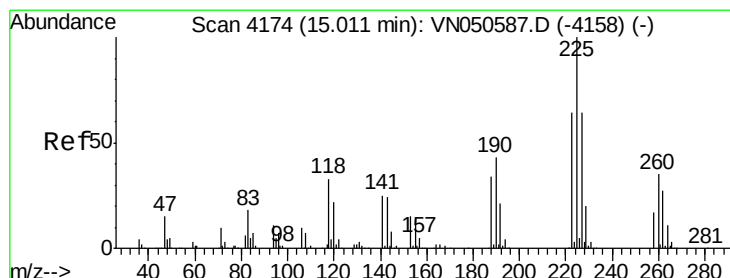
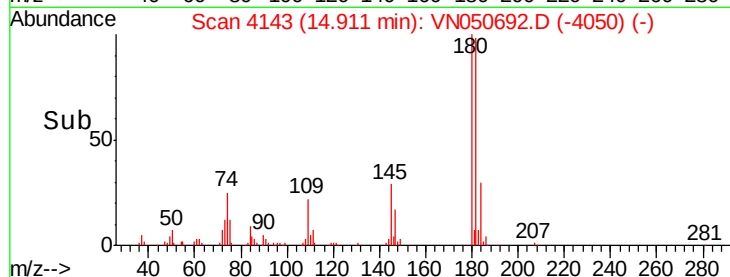
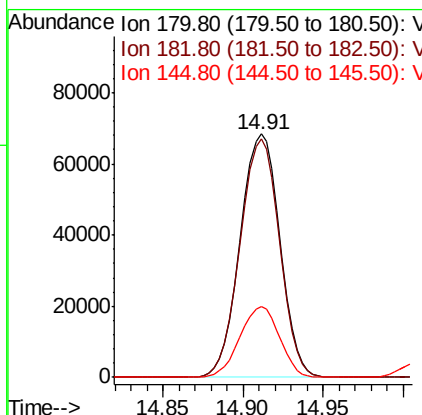
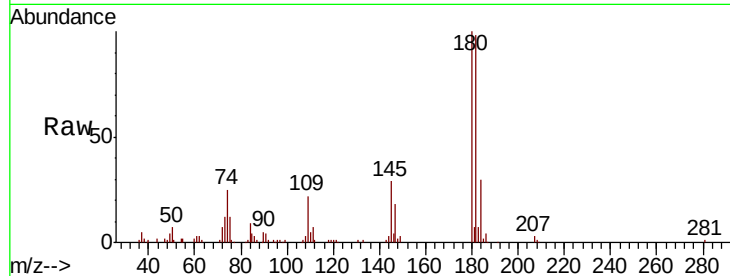
#93
 1,2,4-Trichlorobenzene
 Concen: 17.70 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116032		
182	97.1	47.9	143.7	
145	28.9	14.4	43.4	

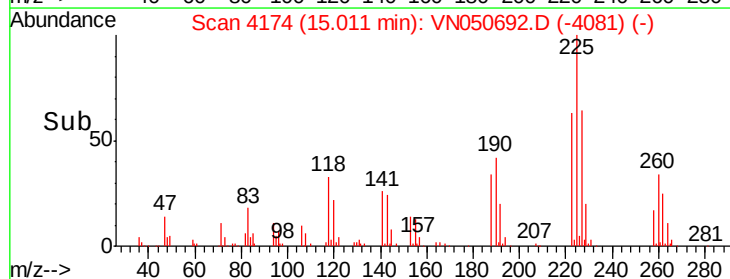
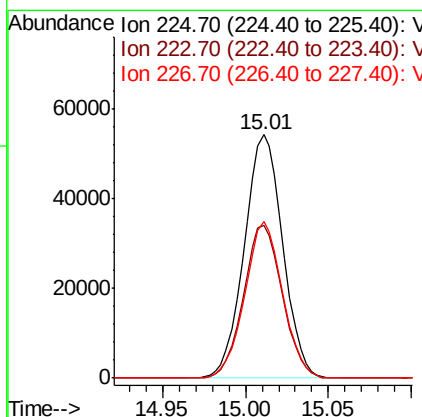
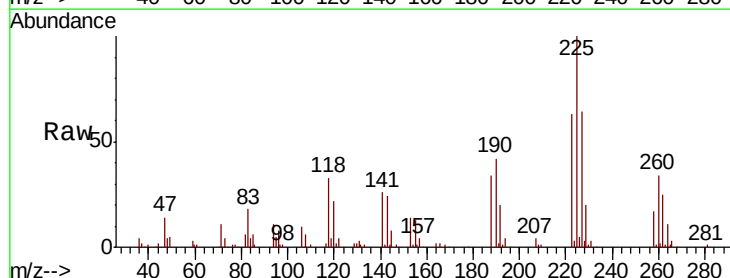
Manual Integrations
 APPROVED

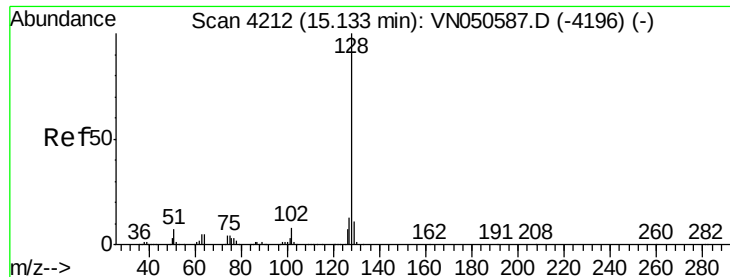
MMDadoda
 8/17/2018 3:55:27 PM



#94
 Hexachlorobutadiene
 Concen: 20.03 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050692.D
 Acq: 16 Aug 2018 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87489		
223	63.3	32.1	96.3	
227	63.0	32.0	96.2	





#95

Naphthalene

Concen: 16.55 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Instrument :

MSVOA_N

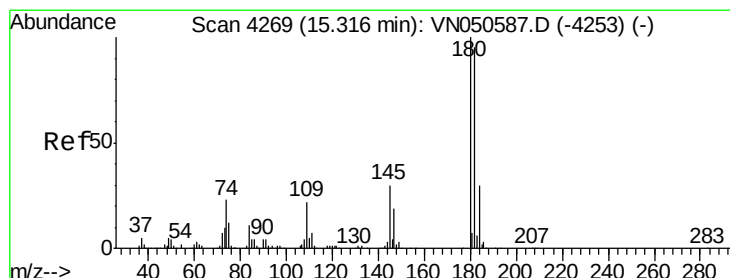
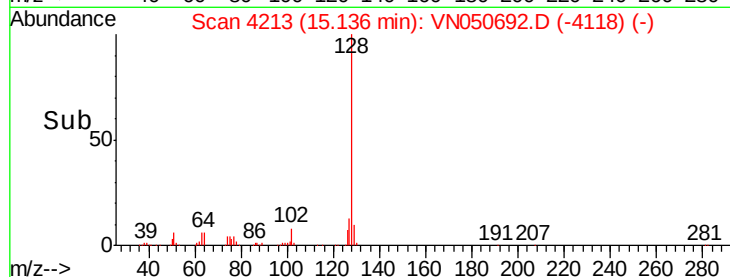
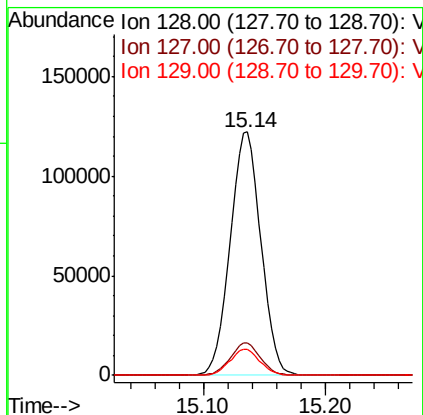
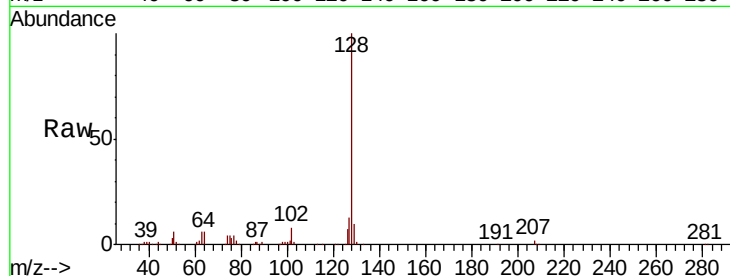
ClientSampleId :

VN0816WBS01

Tot Ion:	128	Resp:	213804
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.3	15.5
129	10.5	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
8/17/2018 3:55:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.10 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050692.D

Acq: 16 Aug 2018 10:41

Tgt Ion:	180	Resp:	114819
Ion Ratio	Lower	Upper	
180	100		
182	97.9	47.3	141.8
145	29.3	14.6	44.0

