

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050038.D
 Acq On : 25 Jul 2018 9:21
 Operator : MD\SY
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 3:53:49 PM

Quant Time: Jul 26 15:13:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 12:20:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	137889	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	712947	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	643688	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	279673	29.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.90%
60) 4-Bromofluorobenzene	12.40	95	300340	30.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.47%
63) Toluene-d8	10.09	98	918762	29.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.03%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	488641	45.55	ug/l	97
3) Chloromethane	2.06	50	486062	47.40	ug/l	99
4) Vinyl Chloride	2.18	62	517198	46.96	ug/l	98
5) Bromomethane	2.56	94	304803	46.15	ug/l	98
6) Chloroethane	2.70	64	299726	46.37	ug/l	98
7) Trichlorofluoromethane	3.01	101	667967	45.65	ug/l	100
8) Diethyl Ether	3.41	74	228444	50.74	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	398480	44.62	ug/l	99
10) 1,1-Dichloroethene	3.73	96	364069	47.42	ug/l	96
11) Methyl Iodide	3.95	142	556924	50.83	ug/l	99
12) Methyl Acetate	4.33	43	422049	48.03	ug/l	98
13) Acrolein	3.61	56	116177	250.37	ug/l	99
14) Acrylonitrile	5.00	53	709517	254.12	ug/l	99
15) Acetone	3.82	58	187071	237.57	ug/l	96
16) Carbon Disulfide	4.05	76	1094291	47.02	ug/l	100
17) Allyl chloride	4.32	41	580168	49.99	ug/l	99
18) Methylene Chloride	4.55	84	411076	46.76	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	393557	48.07	ug/l	97
20) Diisopropyl ether	5.96	45	1214632	48.92	ug/l	99
21) 1,1-Dichloroethane	5.85	63	733068	47.40	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	434304	48.87	ug/l	99
23) tert-Butyl Alcohol	4.81	59	154185	250.03	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	1023760	50.41	ug/l	100
25) Chloroform	7.37	83	742378	46.93	ug/l	100
26) Cyclohexane	7.65	56	601031	49.31	ug/l #	99
29) 1,1-Dichloropropene	7.80	75	558247	48.11	ug/l	100
30) 2-Butanone	6.84	43	881778	257.39	ug/l	99
31) 2,2-Dichloropropane	6.83	77	602422	47.56	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	634606	47.35	ug/l	99
33) Carbon Tetrachloride	7.78	117	569263	48.07	ug/l	99
34) Benzene	8.04	78	1668971	48.11	ug/l #	94
35) Methacrylonitrile	7.18	41	195654	52.34	ug/l	96
36) 1,2-Dichloroethane	8.13	62	540432	47.51	ug/l	99
37) Trichloroethene	8.84	130	428118	47.44	ug/l	99
38) Methylcyclohexane	9.08	83	580136	49.87	ug/l	99
39) 1,2-Dichloropropane	9.12	63	435407	47.75	ug/l	98
40) Dibromomethane	9.21	93	271296	48.94	ug/l	99

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 QLast Update : Thu Jul 26 12:20:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	566651	48.28	ug/l	99
42) Vinyl Acetate	5.90	43	4236725	261.34	ug/l	100
43) Ethyl Acetate	6.94	43	366960	49.65	ug/l	96
44) Isopropyl Acetate	8.17	43	673368	49.79	ug/l	98
45) 1,4-Dioxane	9.20	88	90824	1027.16	ug/l	98
46) Methyl methacrylate	9.20	41	331359	51.48	ug/l	99
47) n-amyl Acetate	12.07	43	550377	57.13	ug/l	99
48) t-1,3-Dichloropropene	7.80	75	558247	48.02	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	655731	50.55	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	385702	48.45	ug/l	99
51) Ethyl methacrylate	10.43	69	495149	55.82	ug/l	99
52) 1,3-Dichloropropane	10.71	76	641891	49.08	ug/l	99
53) Dibromochloromethane	10.90	129	436549	49.04	ug/l	99
54) 1,2-Dibromoethane	11.01	107	382196	49.83	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	1148054	273.45	ug/l	99
56) Bromoform	12.13	173	314593	51.54	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	1911948	250.14	ug/l	99
59) 2-Hexanone	10.75	43	1320811	259.17	ug/l	100
61) Tetrachloroethene	10.63	164	420834	45.12	ug/l	99
62) Toluene	10.16	91	1802722	47.15	ug/l	100
64) Chlorobenzene	11.44	112	1101257	48.46	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	424519	47.25	ug/l	100
66) Ethyl Benzene	11.51	91	1912128	50.51	ug/l	99
67) m/p-Xylenes	11.62	106	1487720	98.91	ug/l	100
68) o-Xylene	11.95	106	704413	50.99	ug/l	99
69) Styrene	11.97	104	1154485	51.05	ug/l	99
70) Isopropylbenzene	12.25	105	1883257	50.26	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	497856	49.45	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	400028m	49.44	ug/l	
73) Bromobenzene	12.53	156	486799	49.54	ug/l	98
74) n-propylbenzene	12.59	91	2183479	49.54	ug/l	99
75) 2-Chlorotoluene	12.68	91	1302942	49.41	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	1565234	49.62	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	142740	54.58	ug/l	96
78) 4-Chlorotoluene	12.78	91	1296247	49.69	ug/l	99
79) tert-butylbenzene	12.99	119	1323914	50.61	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	1606883	50.25	ug/l	100
81) sec-Butylbenzene	13.17	105	1795383	49.60	ug/l	99
82) p-Isopropyltoluene	13.29	119	1565876	50.83	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	856192	49.70	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	823218	50.54	ug/l	99
85) n-Butylbenzene	13.62	91	1274801	53.15	ug/l	100
86) Hexachloroethane	13.88	117	288522	47.51	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	851554	49.38	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	79096	50.86	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	425721	56.84	ug/l	100
90) Hexachlorobutadiene	15.01	225	257432	45.93	ug/l	99
91) Naphthalene	15.14	128	943894	64.07	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	425121	53.99	ug/l	98

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MSVOA_N
ClientSampleId :
VSTDICC050

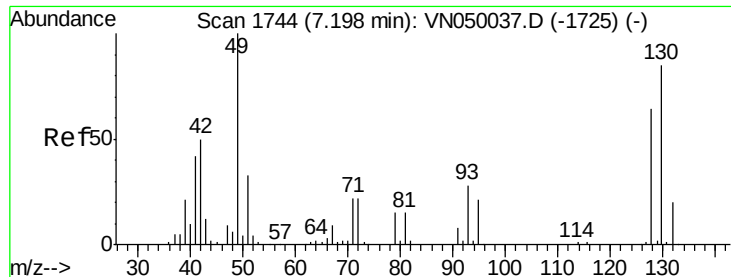
Manual Integrations
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QLast Update : Thu Jul 26 12:20:10 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



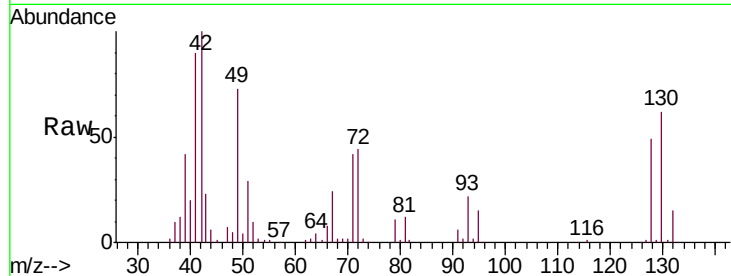
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.20 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	155.7	0.0	378.3
130	127.5	0.0	320.7

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7/26/2018 3:53:49 PM

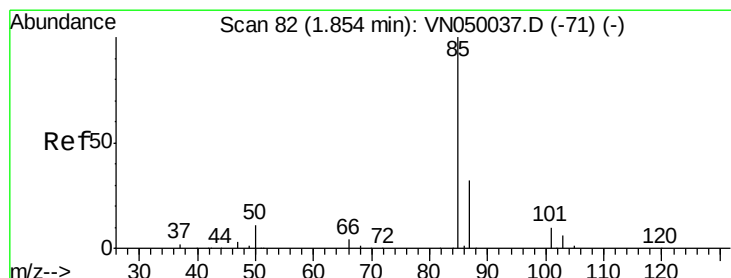
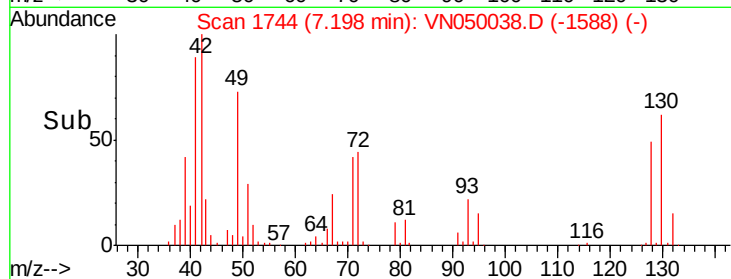
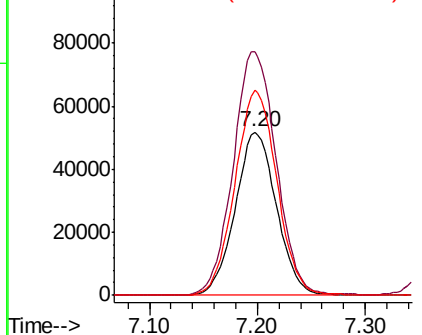


Abundance

Ion 128.00 (127.70 to 128.70): V

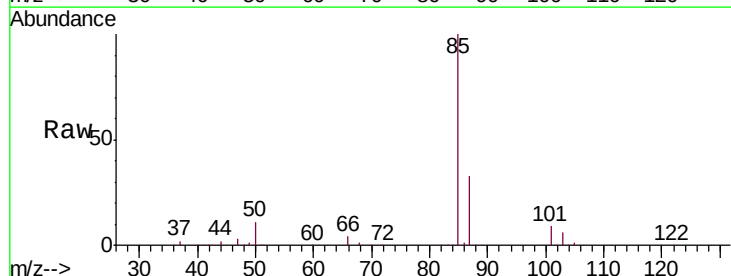
Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2
Dichlorodifluoromethane
Concen: 45.55 ug/l
RT: 1.85 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

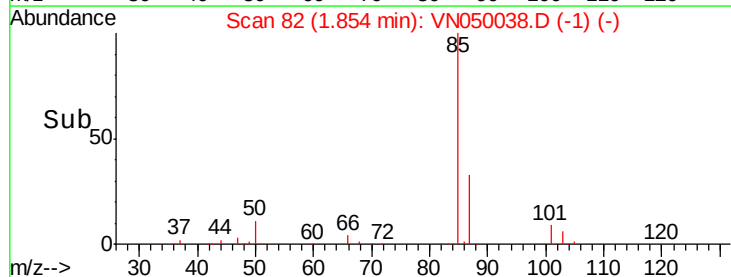
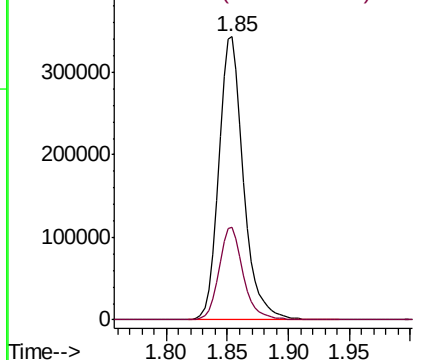
Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.4	46.4

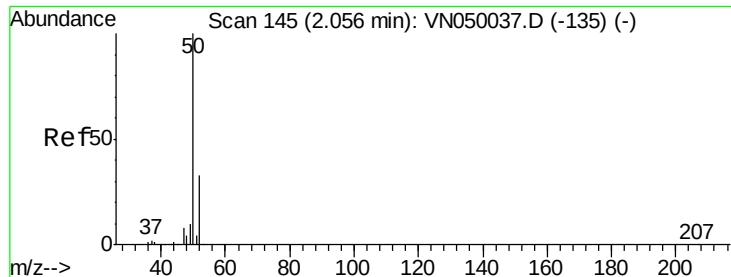


Abundance

Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 47.40 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 486062

Ion Ratio Lower Upper

50 100

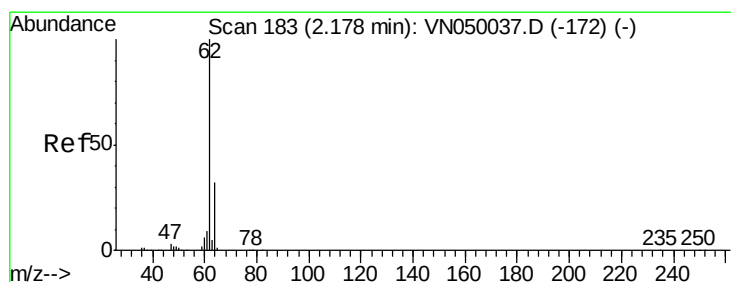
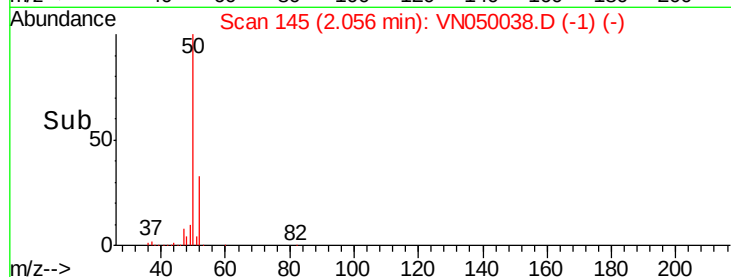
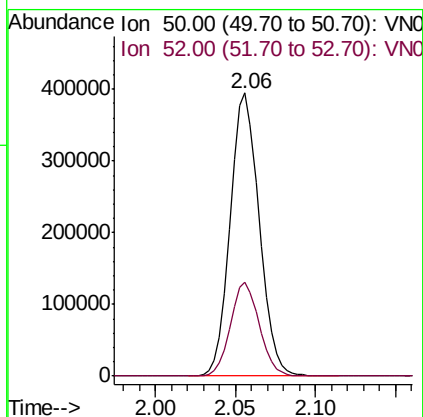
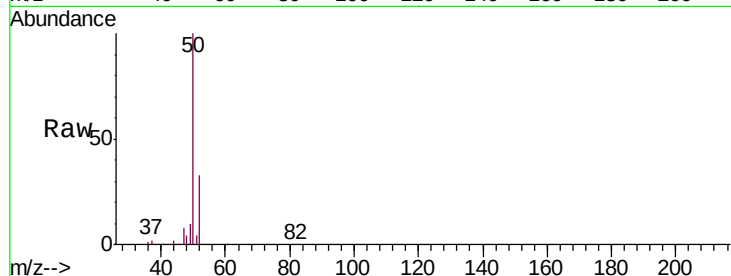
52 33.0 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.96 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050038.D

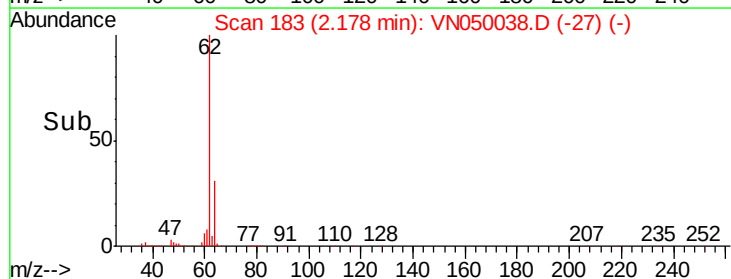
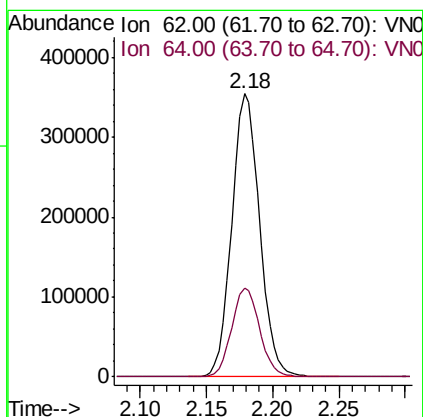
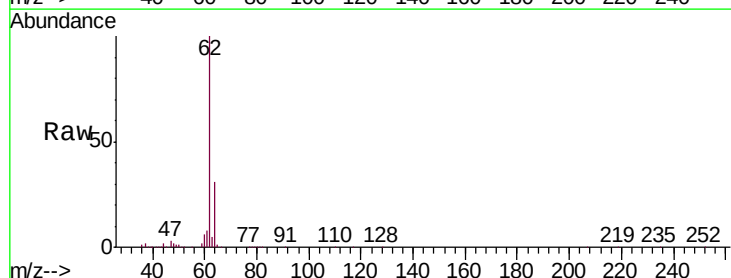
Acq: 25 Jul 2018 9:21

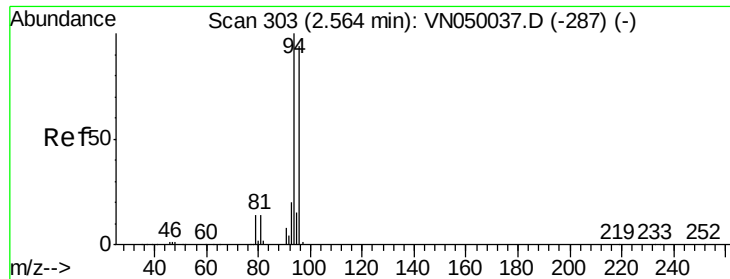
Tgt Ion: 62 Resp: 517198

Ion Ratio Lower Upper

62 100

64 31.4 24.4 36.6





#5

Bromomethane

Concen: 46.15 ug/l

RT: 2.56 min Scan# 301

Delta R.T. -0.01 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 304803

Ion Ratio Lower Upper

94 100

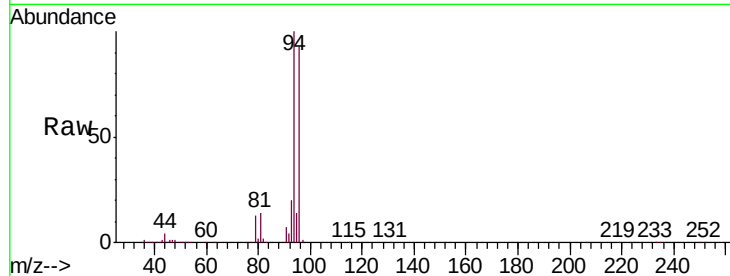
96 93.0 75.9 113.9

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

150000

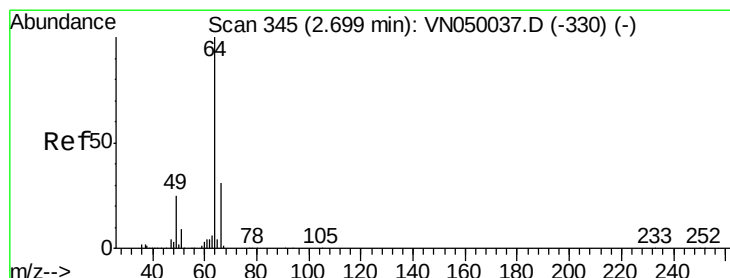
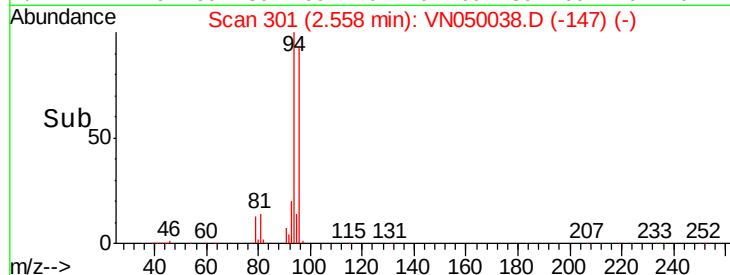
100000

50000

0

2.56

Time-->



#6

Chloroethane

Concen: 46.37 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN050038.D

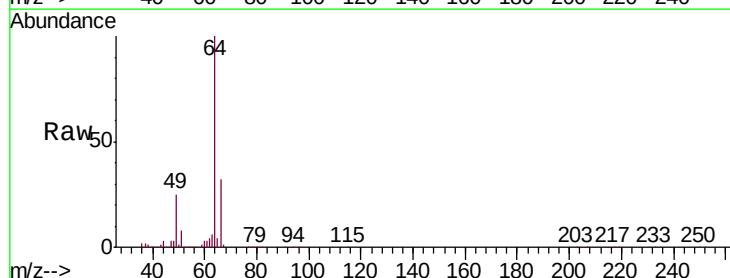
Acq: 25 Jul 2018 9:21

Tgt Ion: 64 Resp: 299726

Ion Ratio Lower Upper

64 100

66 32.1 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

150000

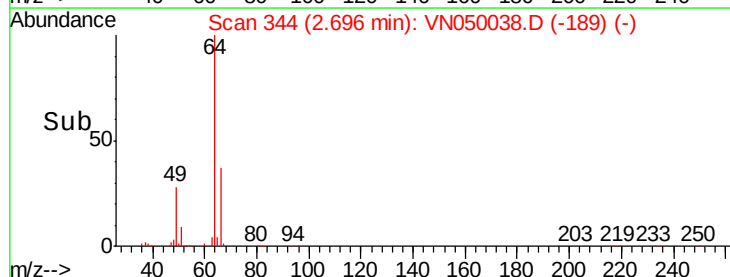
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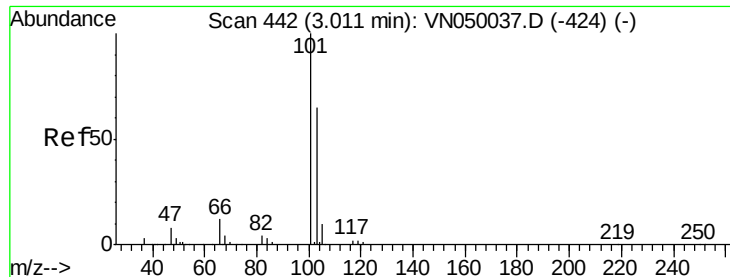
50000

0

2.70

Time-->





#7

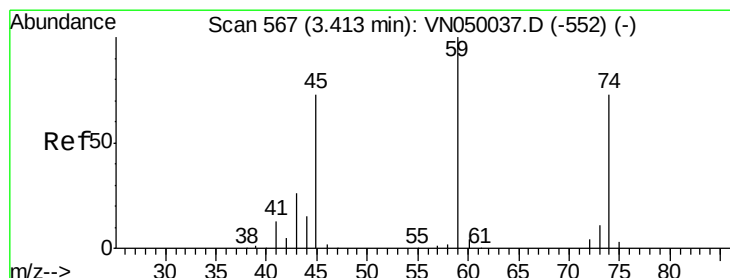
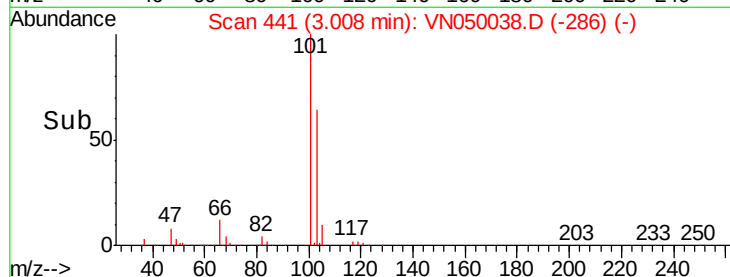
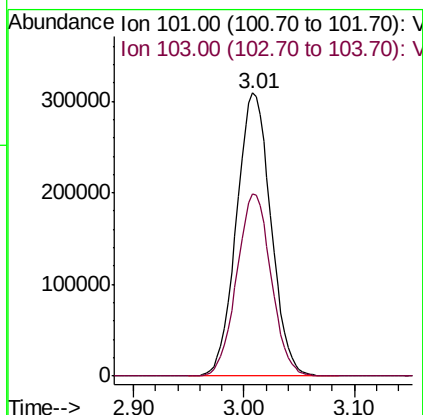
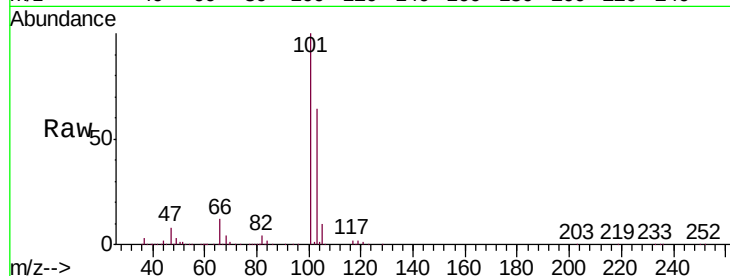
Trichlorofluoromethane
Concen: 45.65 ug/l
RT: 3.01 min Scan# 441
Delta R.T. -0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.5	77.3

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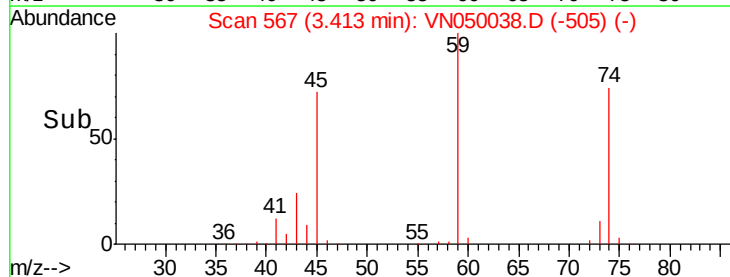
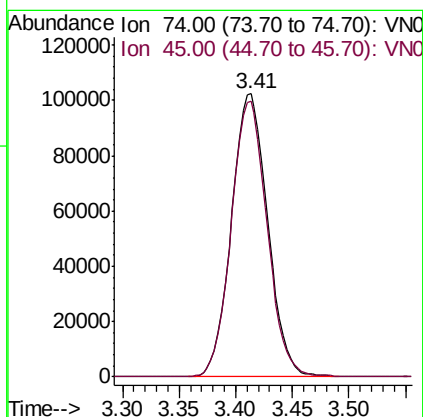
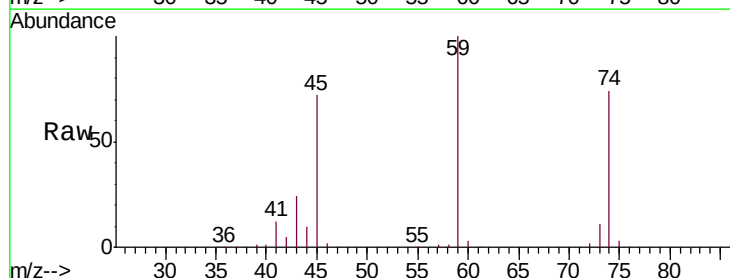
MMDadoda
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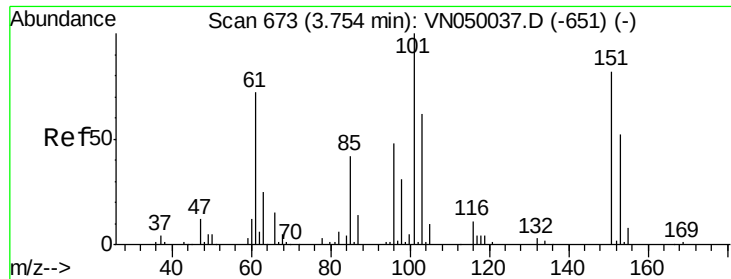


#8

Diethyl Ether
Concen: 50.74 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.62 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

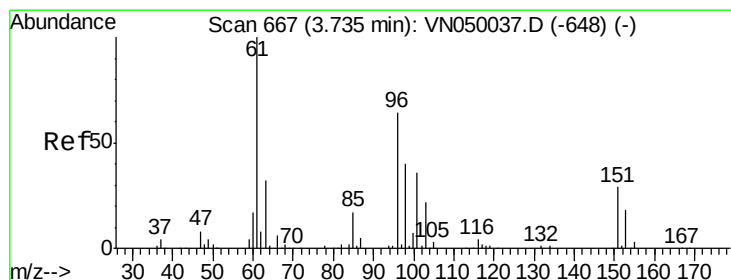
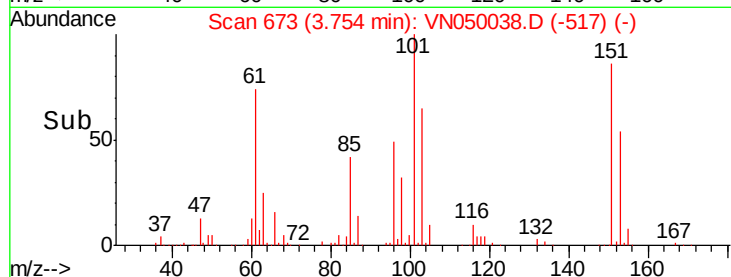
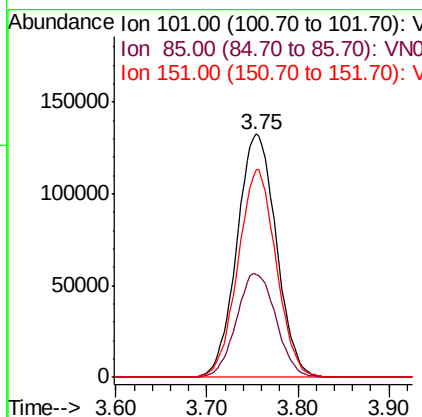
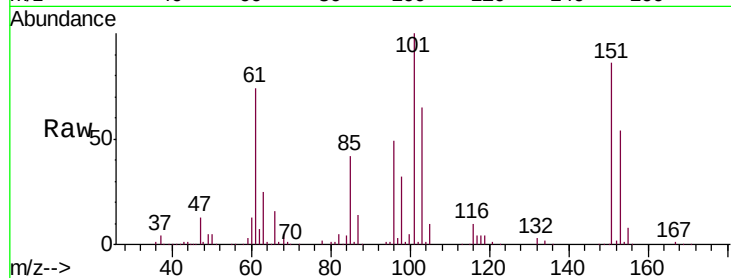
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	398480
Ion Ratio	Lower	Upper	
101	100		
85	42.9	0.0	83.0
151	82.9	0.0	166.8

Manual Integrations
APPROVED

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#10

1,1-Dichloroethene

Concen: 47.42 ug/l

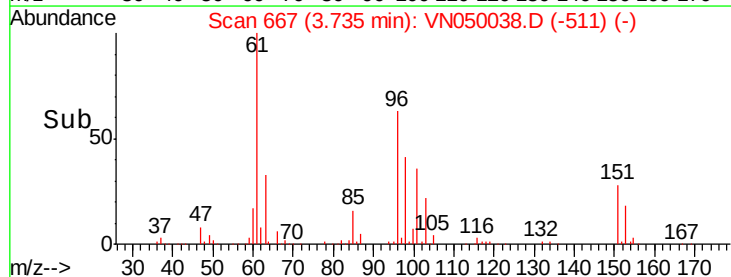
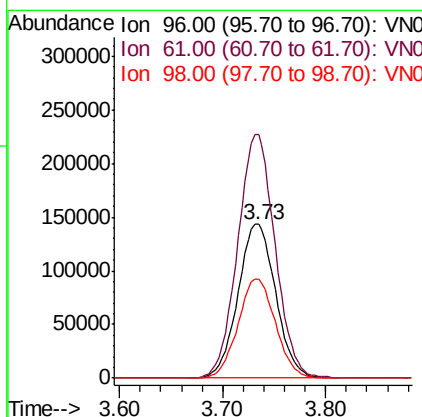
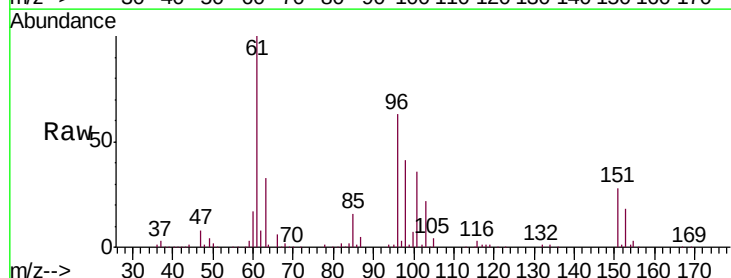
RT: 3.73 min Scan# 667

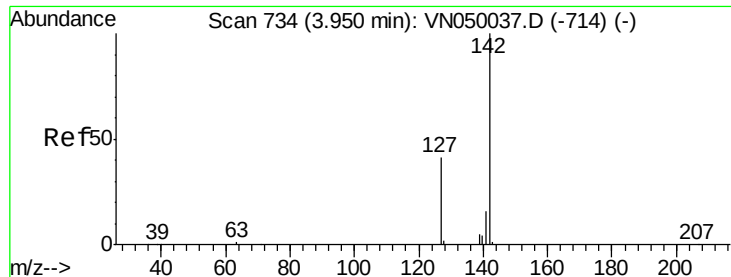
Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Tgt Ion:	96	Resp:	364069
Ion Ratio	Lower	Upper	
96	100		
61	158.2	130.6	195.8
98	64.3	53.5	80.3





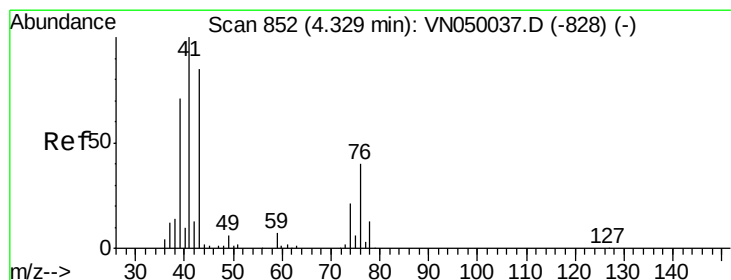
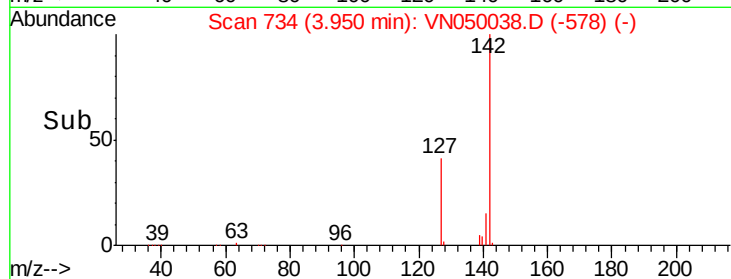
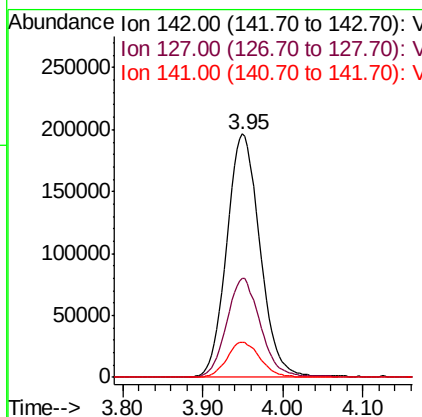
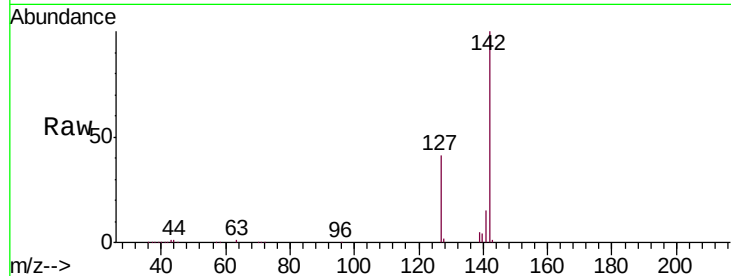
#11
Methvl Iodide
Concen: 50.83 ug/l
RT: 3.95 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.8	20.2	60.5
141	14.6	6.9	20.6

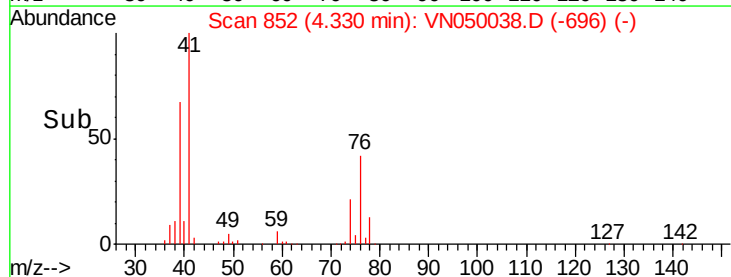
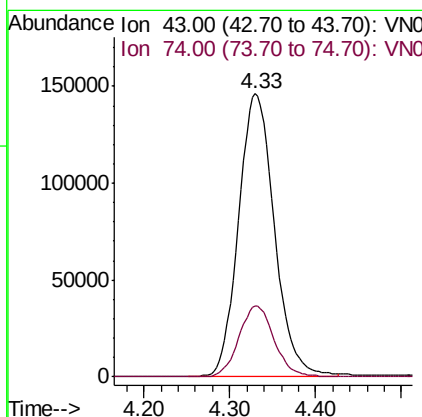
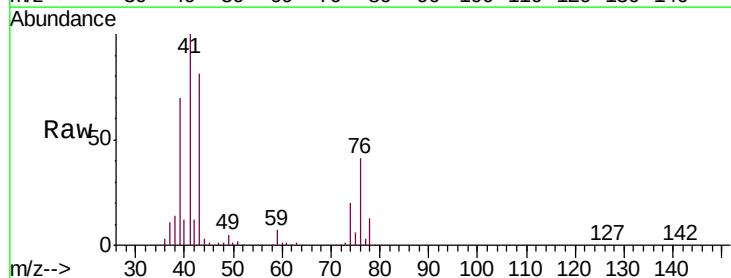
Manual Integrations
APPROVED

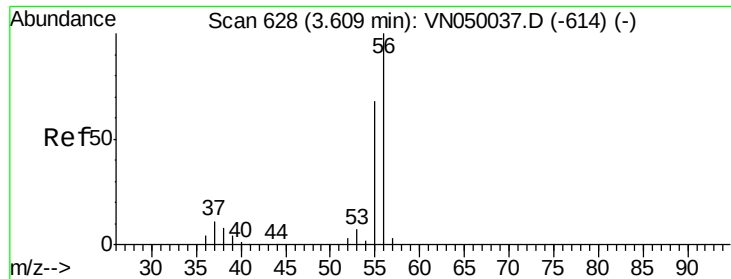
MMDadoda
7/26/2018 3:53:49 PM



#12
Methyl Acetate
Concen: 48.03 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.3	28.9





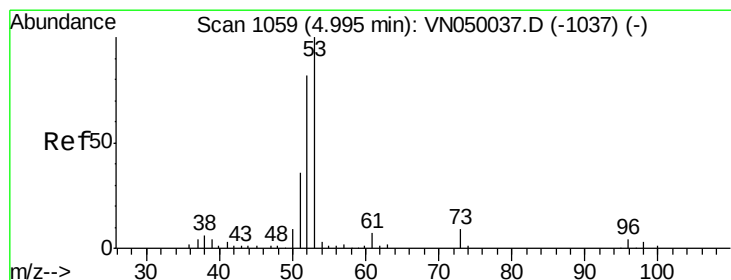
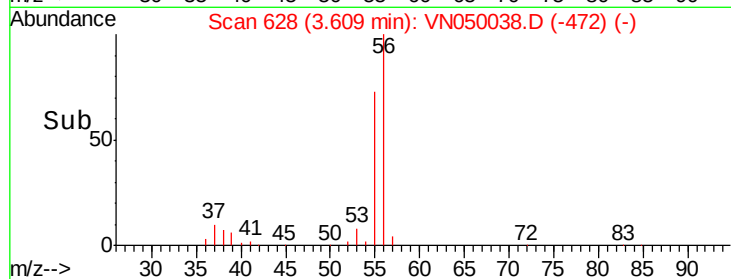
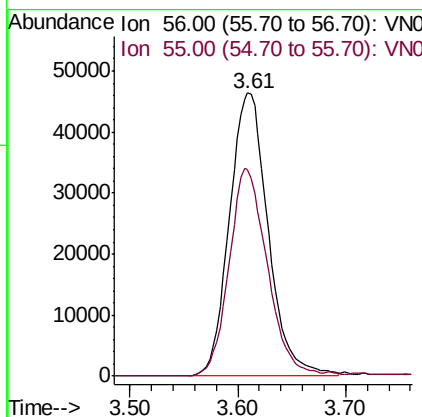
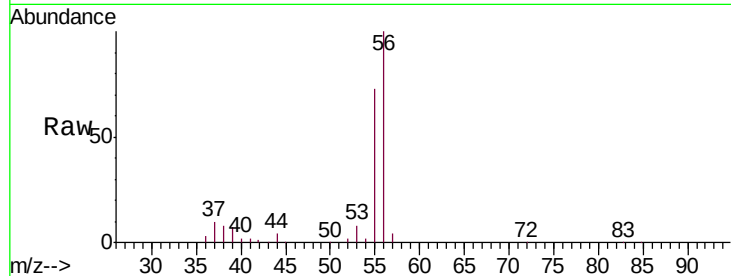
#13
Acrolein
Concen: 250.37 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	56	55	Resp	Lower	Upper
116177	100	72.1		58.6	88.0

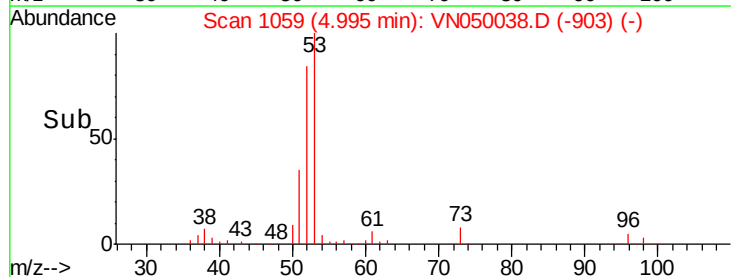
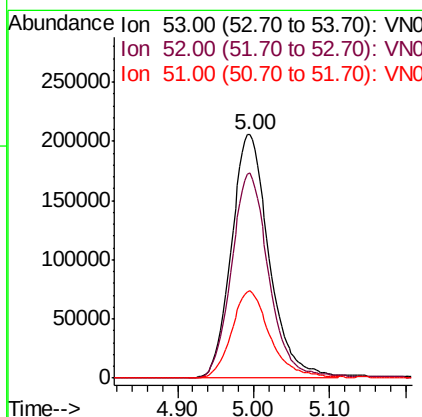
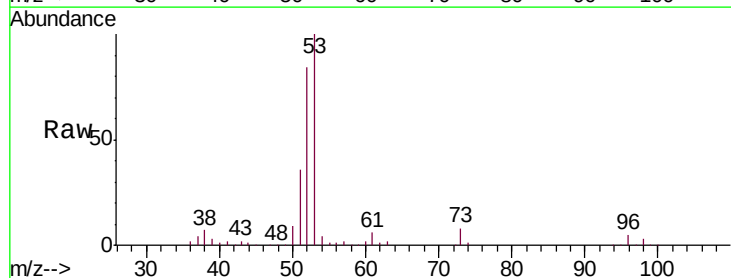
Manual Integrations
APPROVED

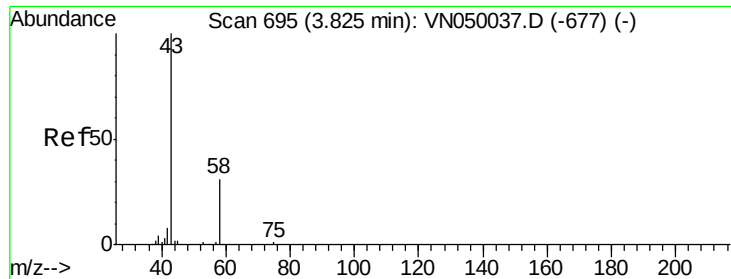
MMDadoda
7/26/2018 3:53:49 PM



#14
Acrylonitrile
Concen: 254.12 ug/l
RT: 5.00 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion	53	52	51	Resp	Lower	Upper
709517	100	83.3	36.3		41.5	124.5
					18.7	56.1





#15

Acetone

Concen: 237.57 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 58 Resp: 187071

Ion Ratio Lower Upper

58 100

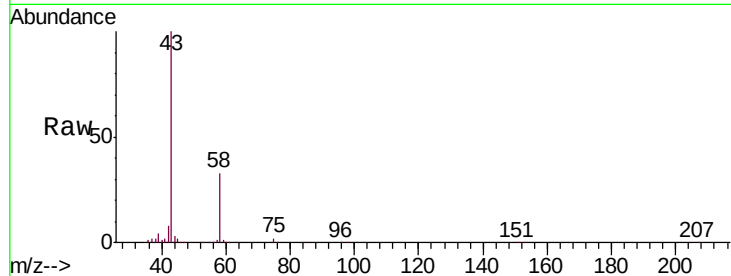
43 306.3 252.0 378.0

Manual Integrations

APPROVED

MMDadoda

7/26/2018 3:53:49 PM



Abundance Ion 58.00 (57.70 to 58.70): VN050038.D (-539) (-)

Ion 43.00 (42.70 to 43.70): VN050038.D (-539) (-)

250000

200000

150000

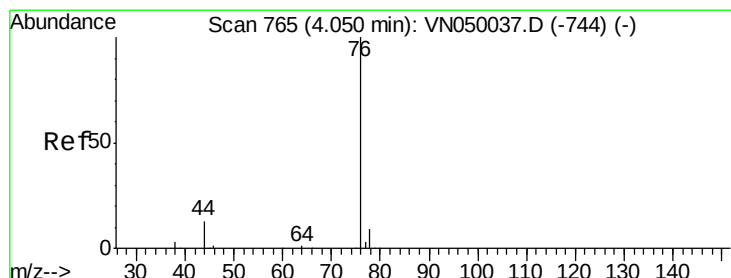
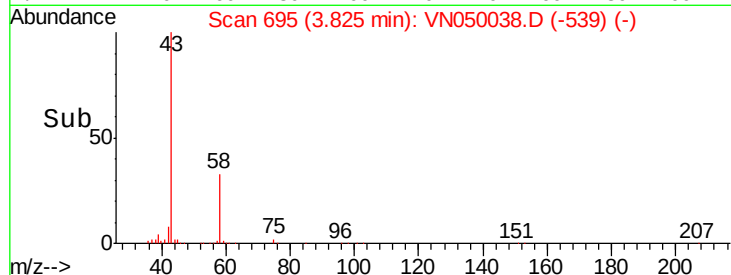
100000

50000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 47.02 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050038.D

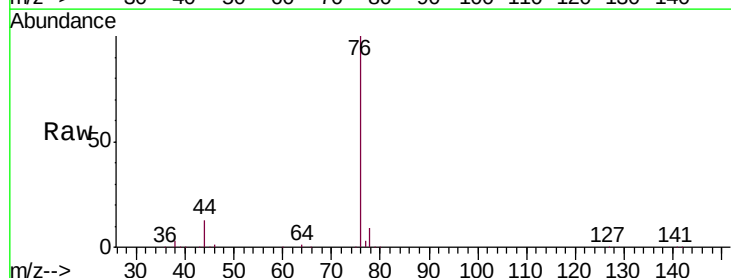
Acq: 25 Jul 2018 9:21

Tgt Ion: 76 Resp: 1094291

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050038.D (-609) (-)

Ion 78.00 (77.70 to 78.70): VN050038.D (-609) (-)

400000

300000

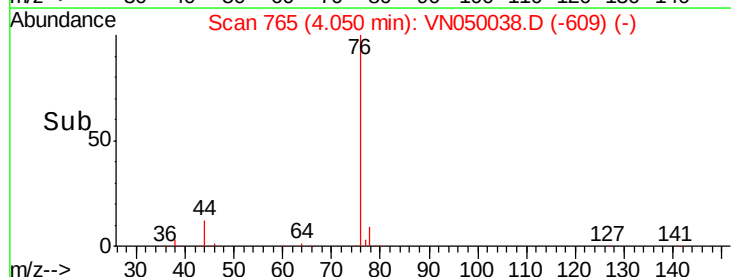
200000

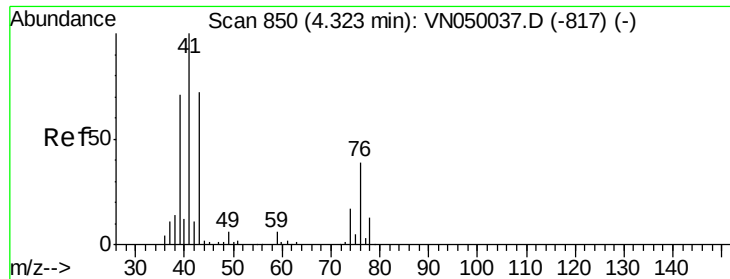
100000

0

3.90 4.00 4.10 4.20

Time-->





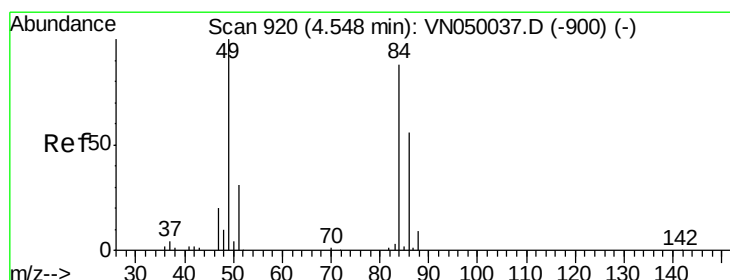
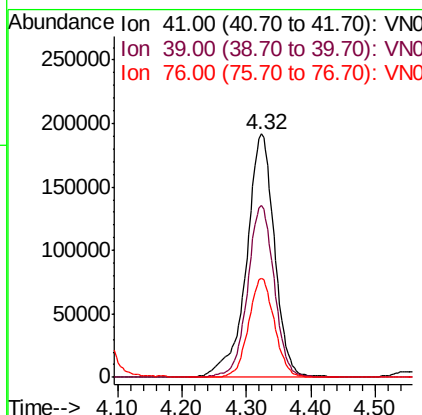
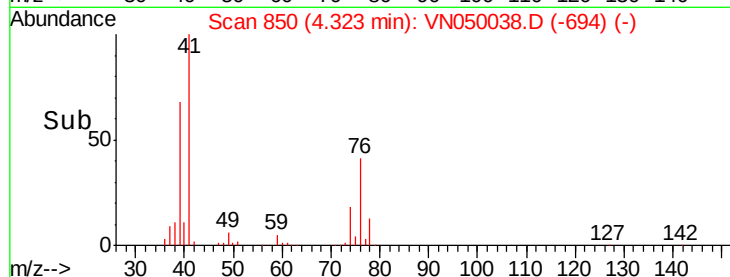
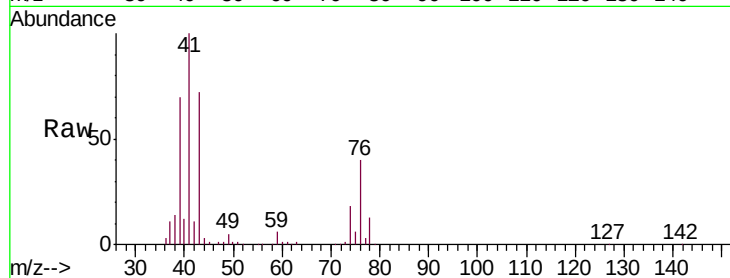
#17
Allvl chloride
Concen: 49.99 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.5	35.4	106.3
76	40.4	19.7	59.1

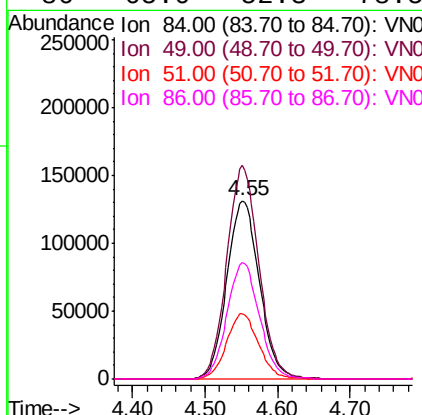
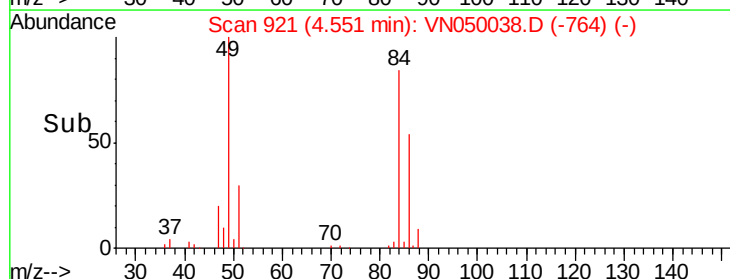
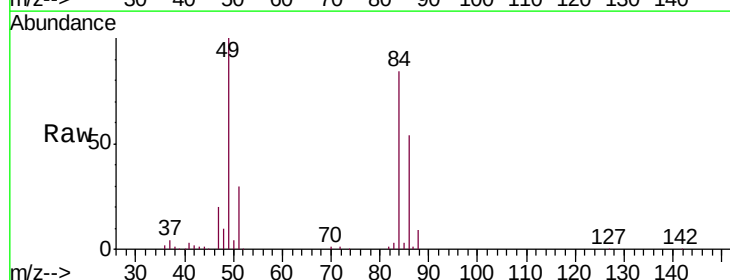
Manual Integrations
APPROVED

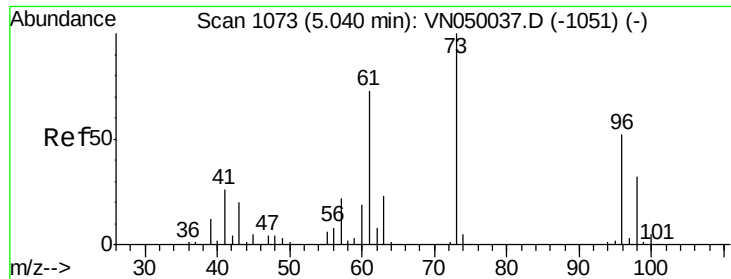
MMDadoda
7/26/2018 3:53:49 PM



#18
Methylene Chloride
Concen: 46.76 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.5	95.1	142.7
51	36.4	28.8	43.2
86	65.0	52.3	78.5





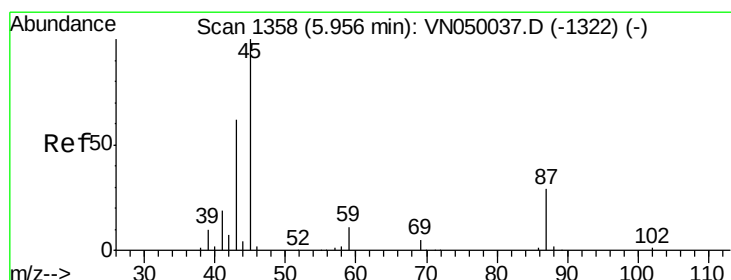
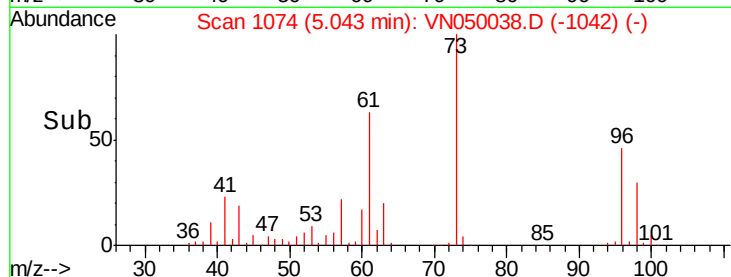
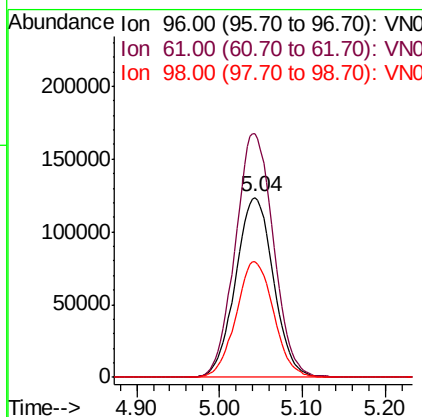
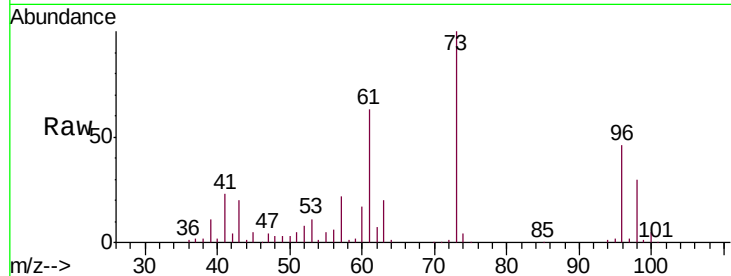
#19
trans-1,2-Dichloroethene
Concen: 48.07 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.9	112.1	168.1
98	64.4	51.3	76.9

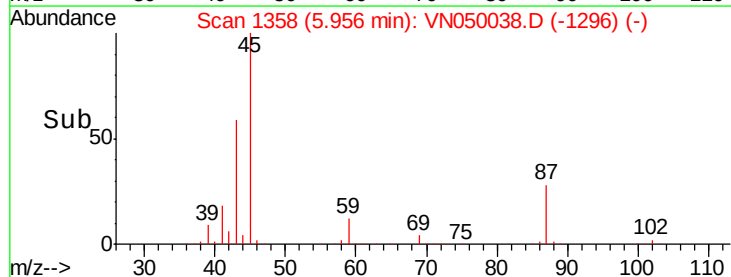
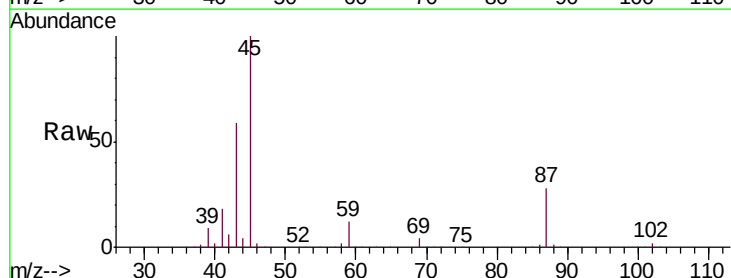
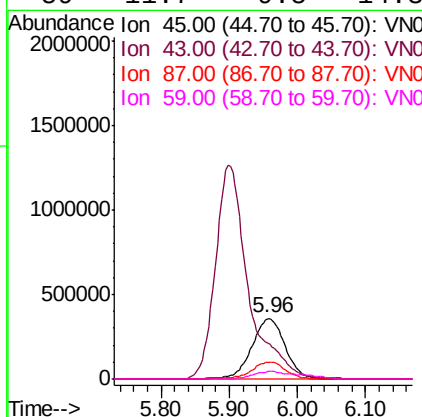
Manual Integrations
APPROVED

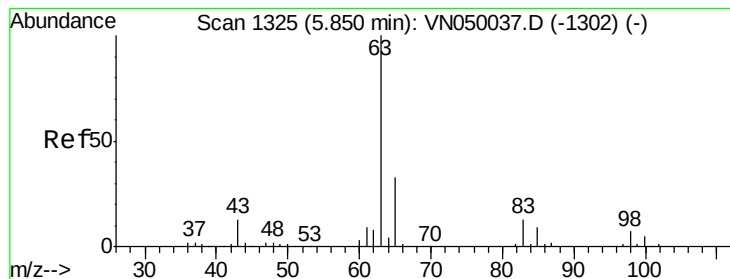
MMDadoda
7/26/2018 3:53:49 PM



#20
Diisopropyl ether
Concen: 48.92 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.5	46.6	70.0
87	28.4	22.3	33.5
59	11.7	9.5	14.3





#21

1,1-Dichloroethane

Concen: 47.40 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

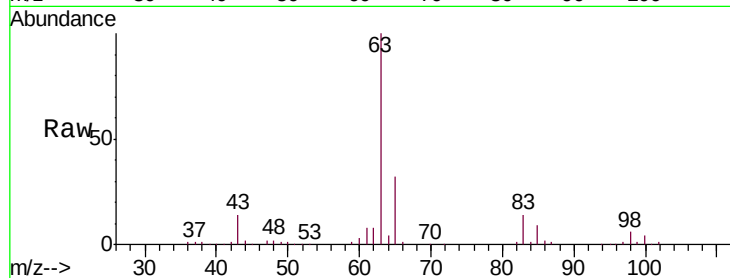
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	733068
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.5	10.6
100	4.1	2.3	6.8

Manual Integrations
APPROVED

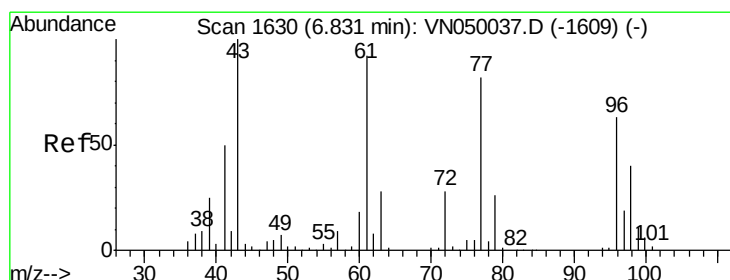
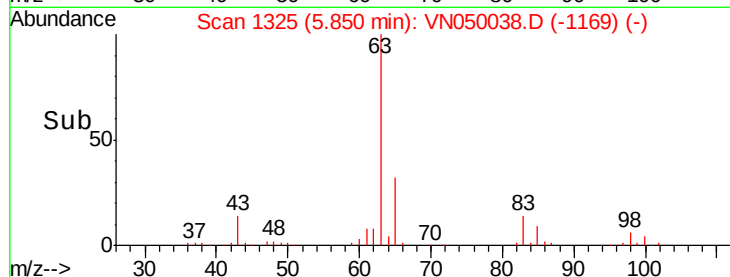
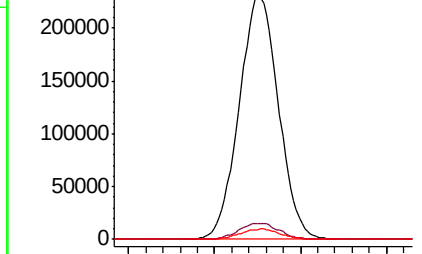
MMDadoda
7/26/2018 3:53:49 PM



Abundance Ion 63.00 (62.70 to 63.70): VN050038.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050038.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050038.D (-1302) (-)



#22

cis-1,2-Dichloroethene

Concen: 48.87 ug/l

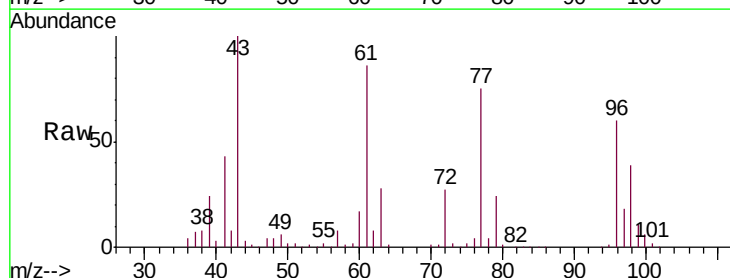
RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

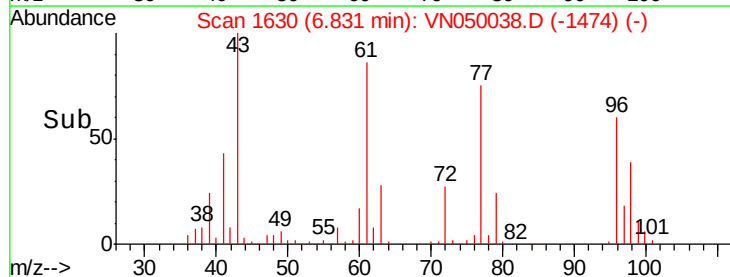
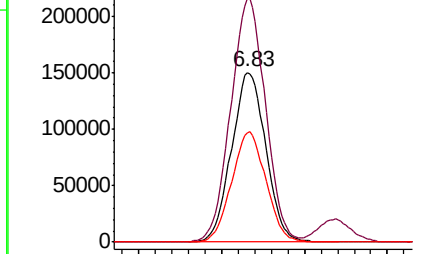
Tgt Ion:	96	Resp:	434304
Ion Ratio	Lower	Upper	
96	100		
61	145.0	114.2	171.2
98	64.8	51.7	77.5

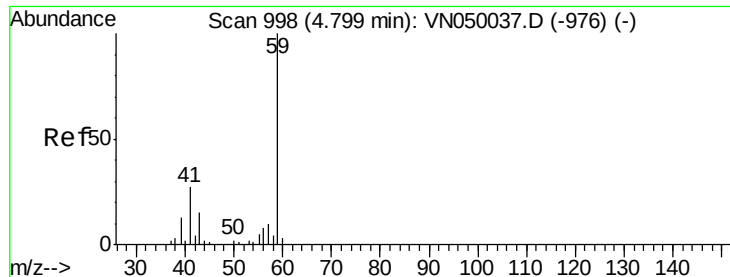


Abundance Ion 96.00 (95.70 to 96.70): VN050038.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050038.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050038.D (-1609) (-)





#23

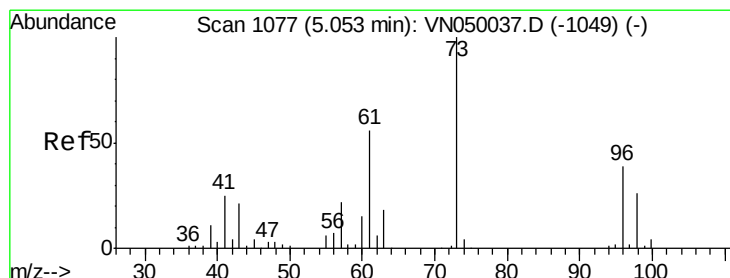
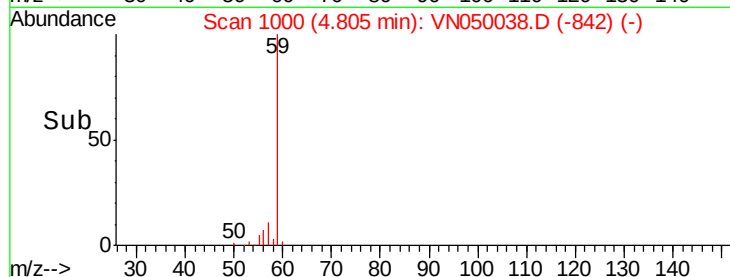
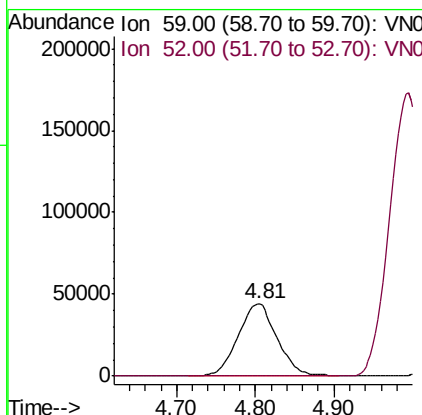
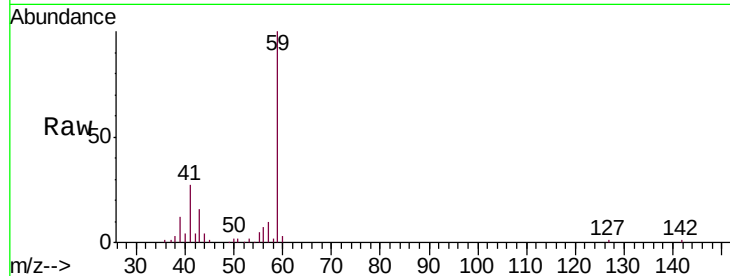
tert-Butyl Alcohol
Concen: 250.03 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 59 Resp: 154185
Ion Ratio Lower Upper
59 100
52 0.1 0.1 0.1#

Manual Integrations
APPROVED

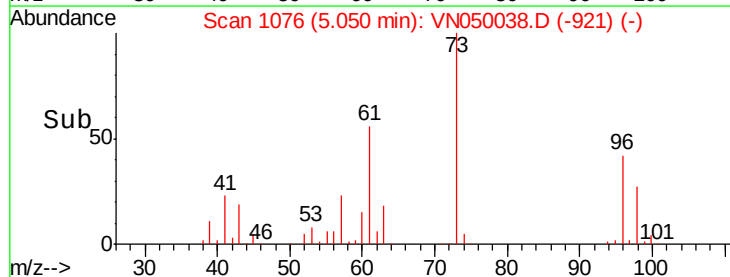
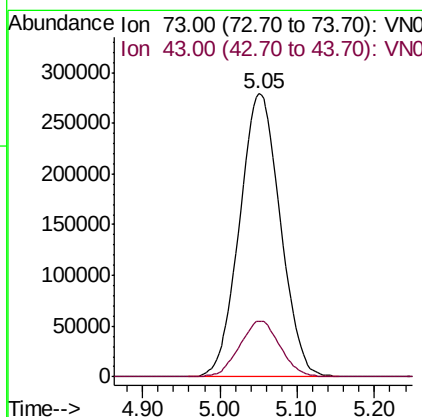
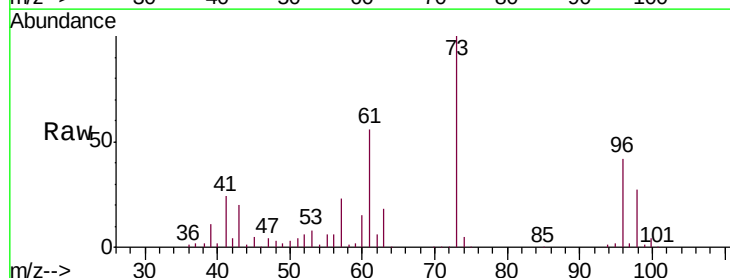
MMDadoda
7/26/2018 3:53:49 PM

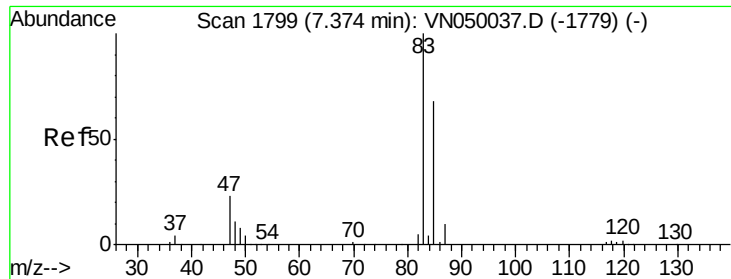


#24

Methyl tert-Butyl Ether
Concen: 50.41 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion: 73 Resp: 1023760
Ion Ratio Lower Upper
73 100
43 19.5 15.5 23.3





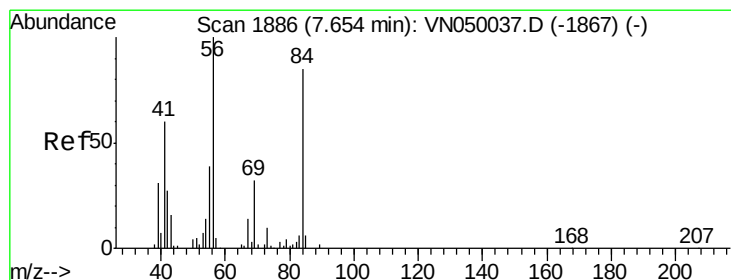
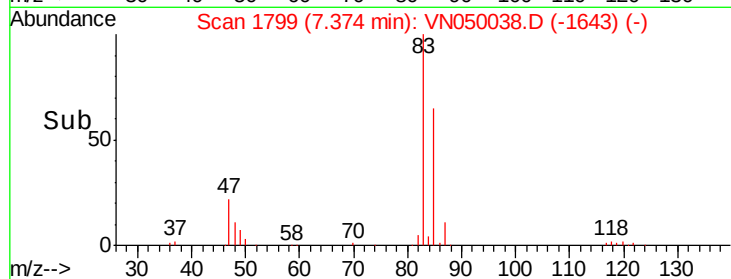
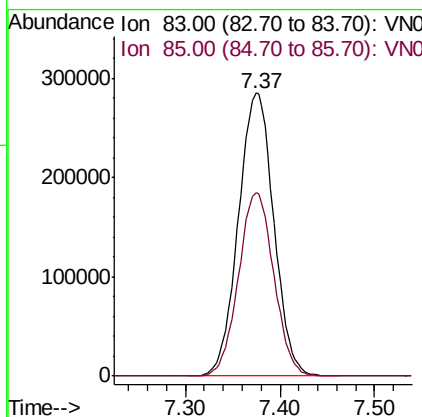
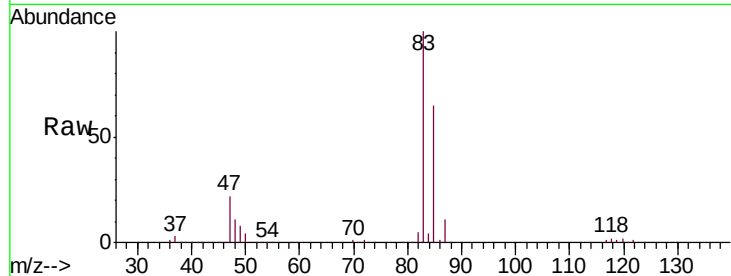
#25
Chloroform
Concen: 46.93 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	742378
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	52.1	78.1

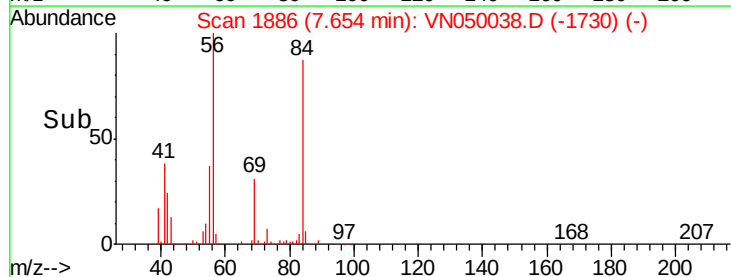
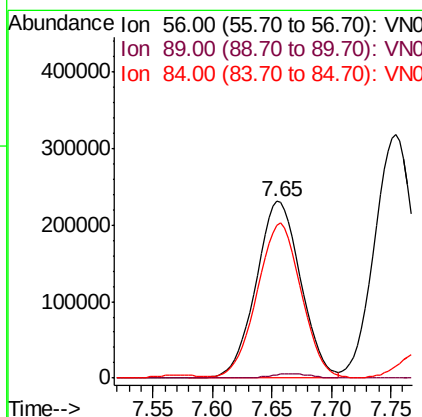
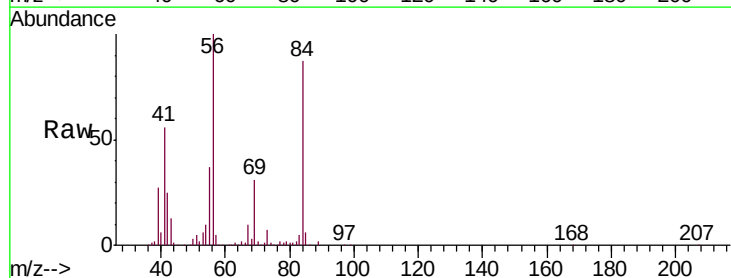
Manual Integrations
APPROVED

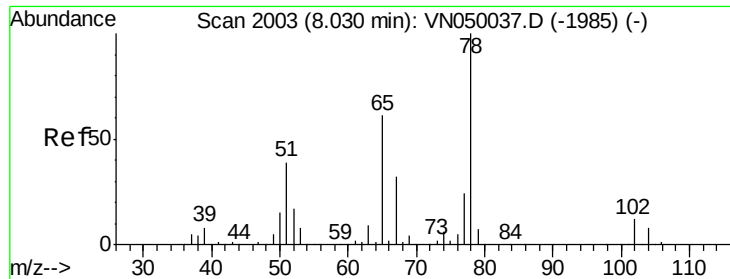
MMDadoda
7/26/2018 3:53:49 PM



#26
Cyclohexane
Concen: 49.31 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion	56	Resp	601031
Ion Ratio	100	Lower	Upper
56	100		
89	2.2	3.0	4.4#
84	86.9	69.8	104.8





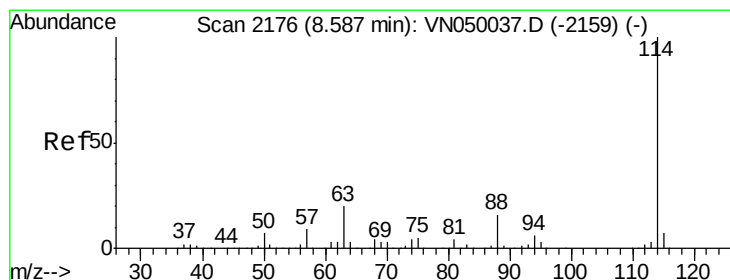
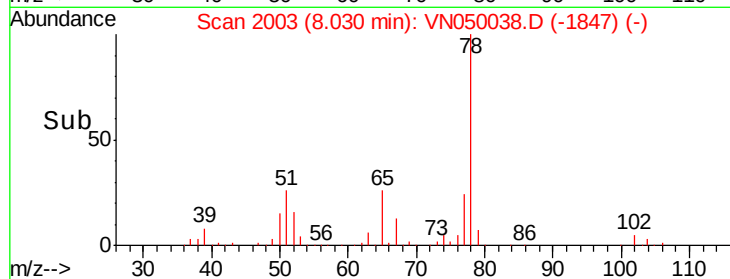
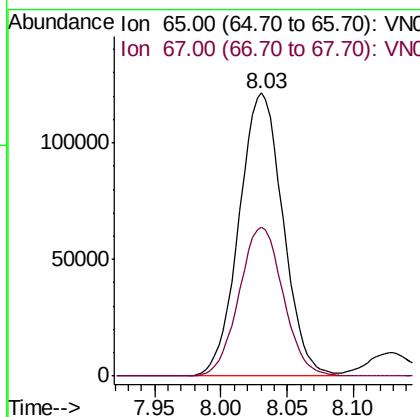
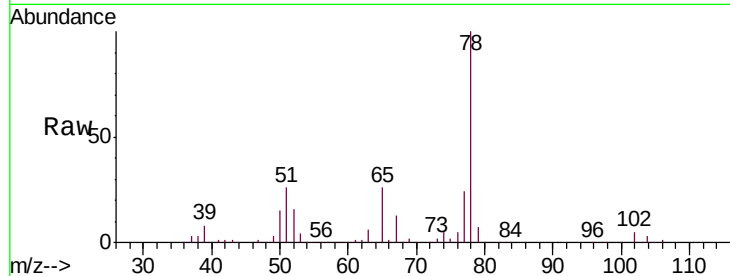
#27
 1,2-Dichloroethane-d4
 Concen: 29.37 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 65 Resp: 279673
 Ion Ratio Lower Upper
 65 100
 67 52.8 42.7 64.1

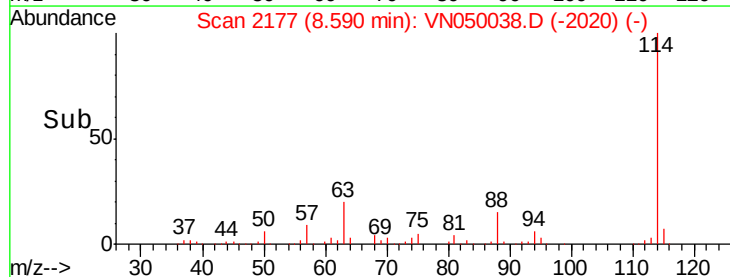
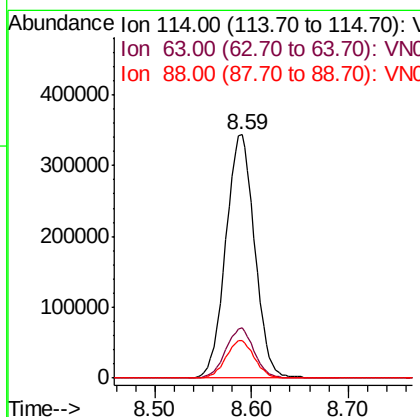
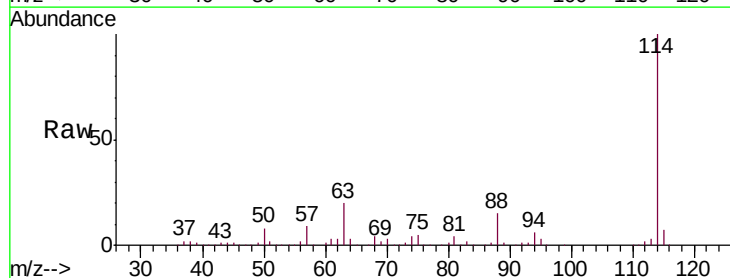
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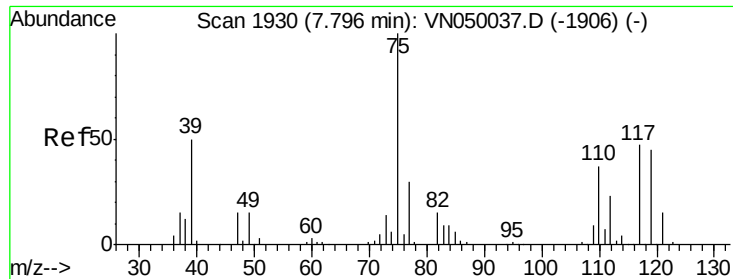
MMDadoda
 7/26/2018 3:53:49 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Tgt Ion: 114 Resp: 712947
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.2 24.2
 88 15.1 12.3 18.5





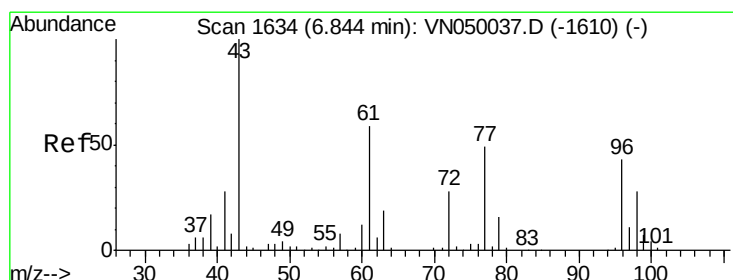
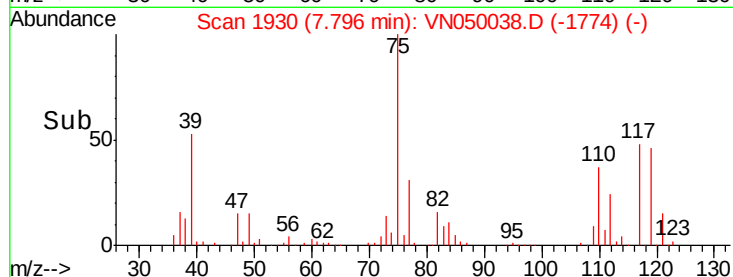
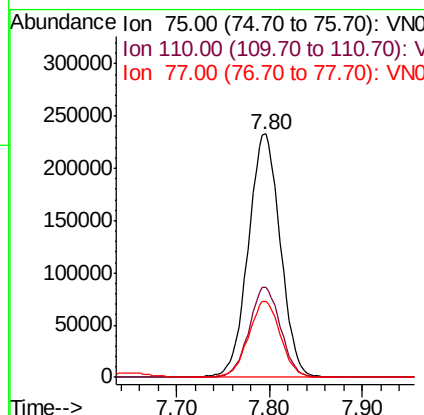
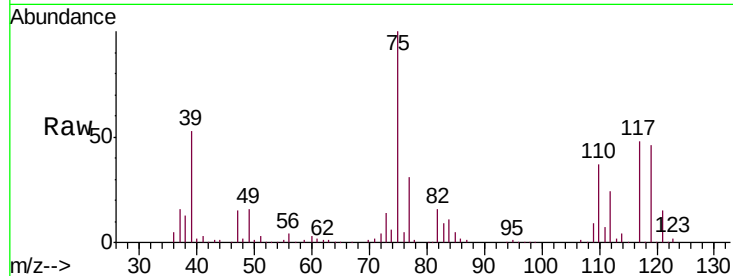
#29
 1,1-Dichloropropene
 Concen: 48.11 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.4	0.0	73.2
77	31.4	0.0	62.0

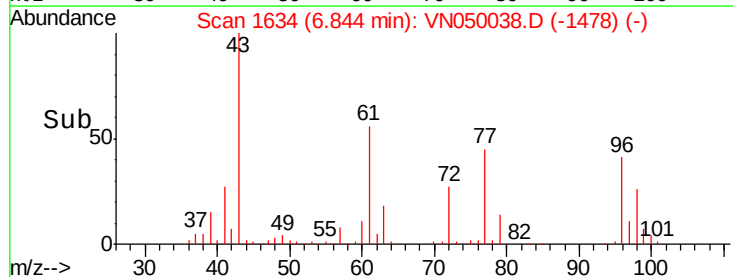
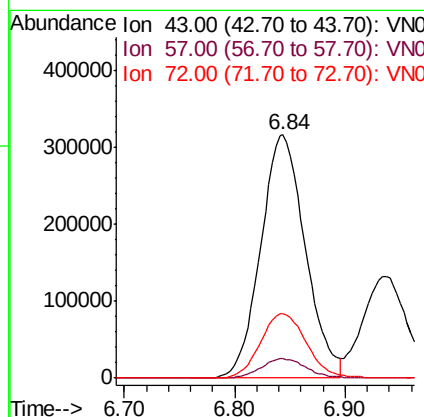
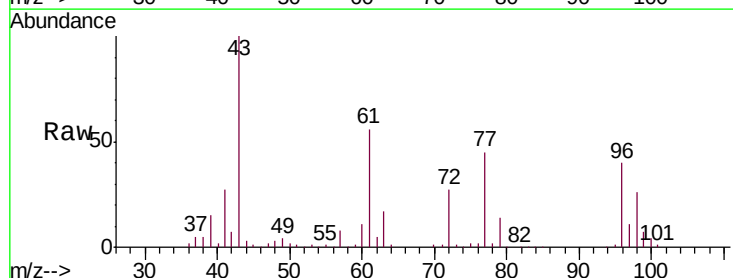
Manual Integrations
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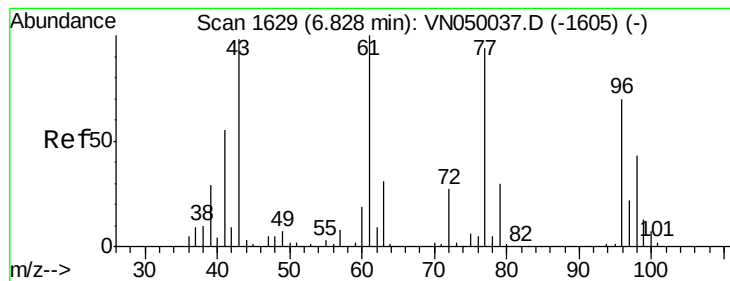
MMDadoda
 7/26/2018 3:53:49 PM



#30
 2-Butanone
 Concen: 257.39 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.8	10.2
72	27.5	21.4	32.0





#31

2,2-Dichloropropane

Concen: 47.56 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 602422

Ion Ratio Lower Upper

77 100

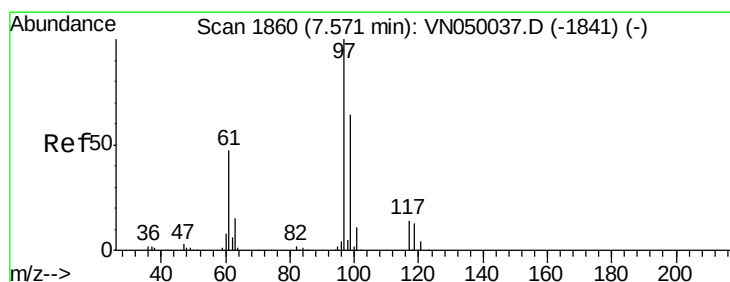
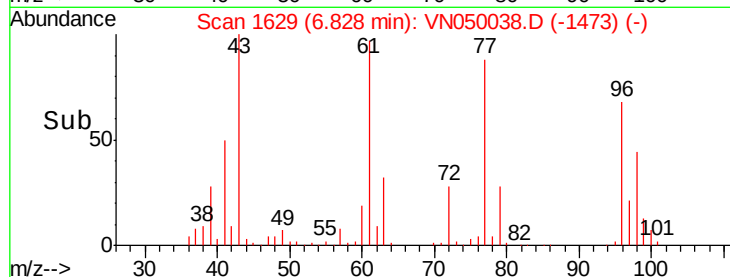
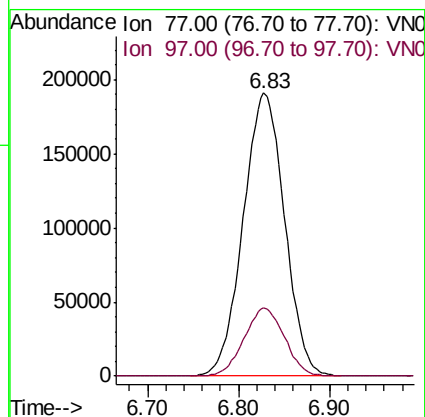
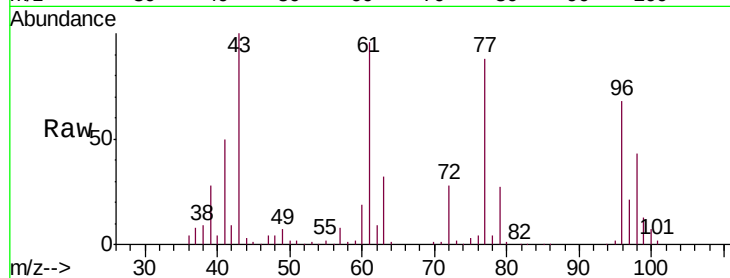
97 23.6 18.9 28.3

Manual Integrations

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7/26/2018 3:53:49 PM



#32

1,1,1-Trichloroethane

Concen: 47.35 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

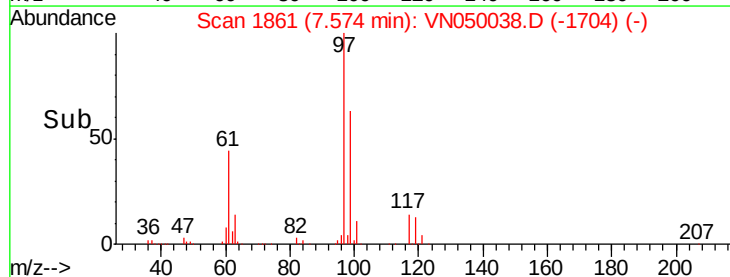
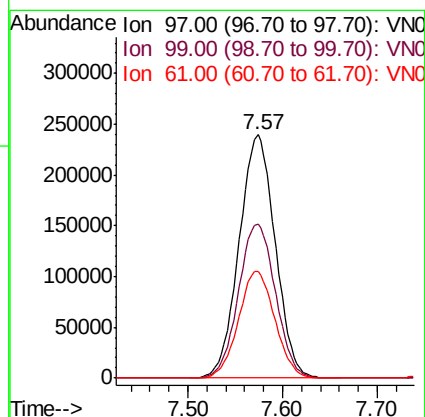
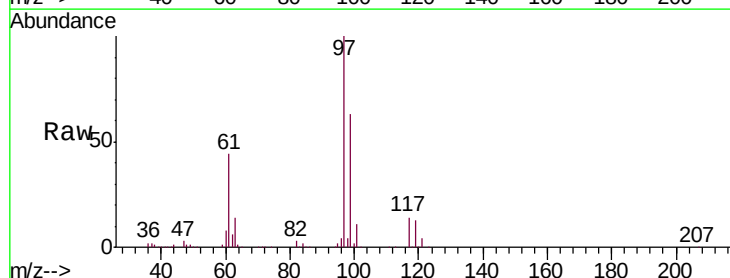
Tgt Ion: 97 Resp: 634606

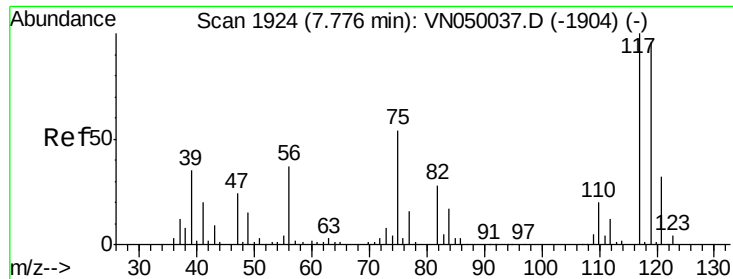
Ion Ratio Lower Upper

97 100

99 64.8 51.2 76.8

61 44.3 35.3 52.9





#33

Carbon Tetrachloride

Concen: 48.07 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

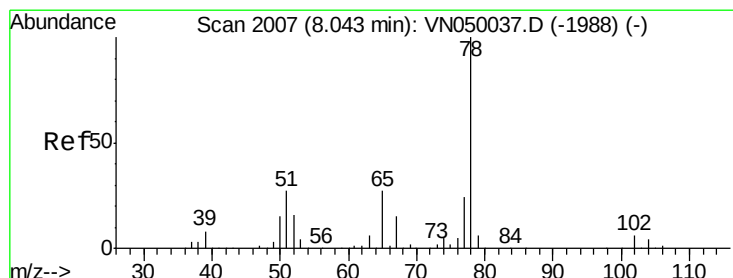
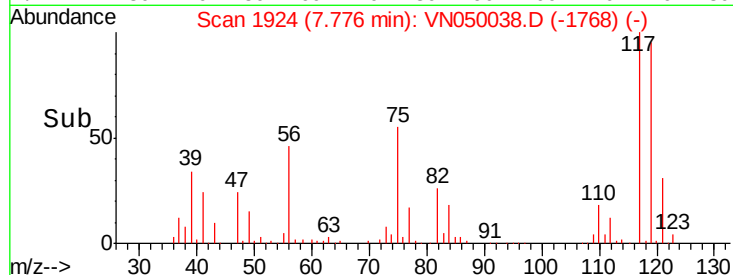
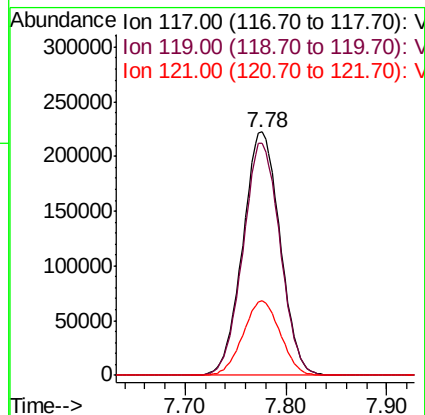
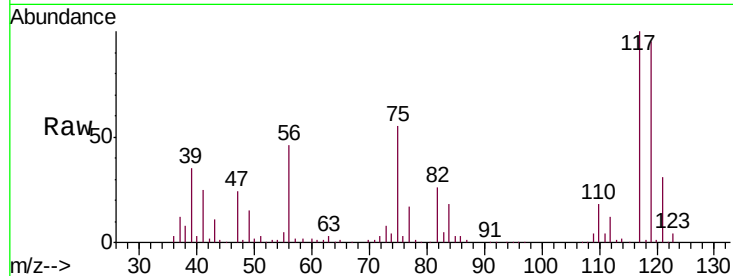
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.9	115.3
121	30.7	24.4	36.6

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7/26/2018 3:53:49 PM



#34

Benzene

Concen: 48.11 ug/l

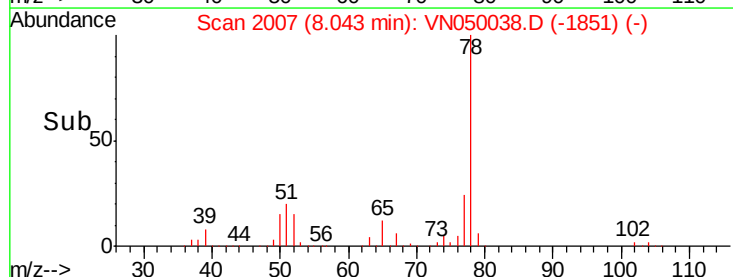
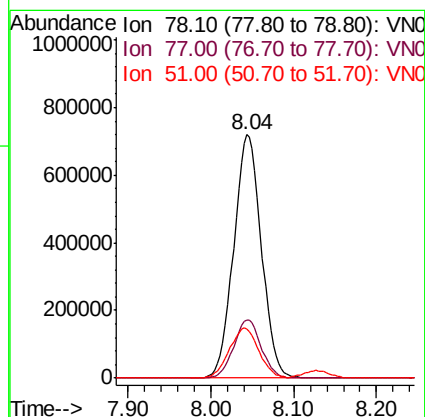
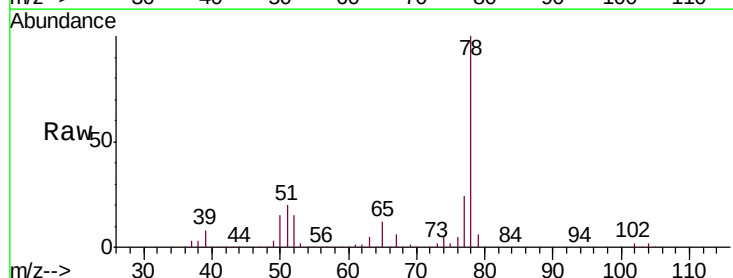
RT: 8.04 min Scan# 2007

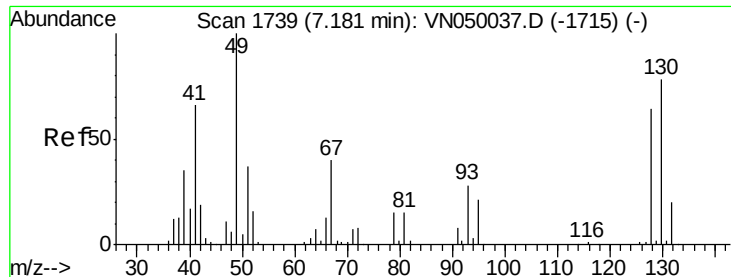
Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7
51	20.2	21.0	31.4#





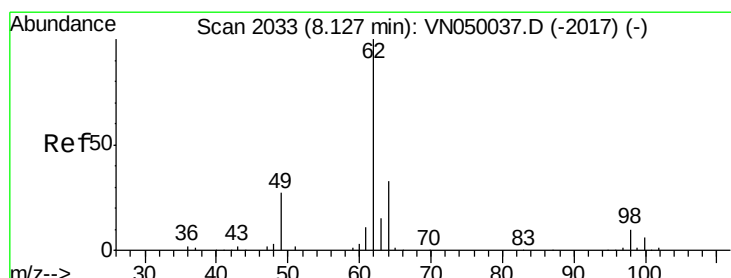
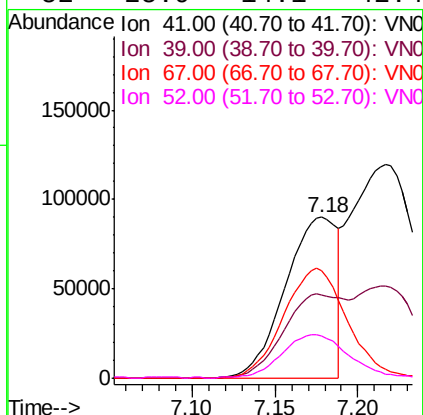
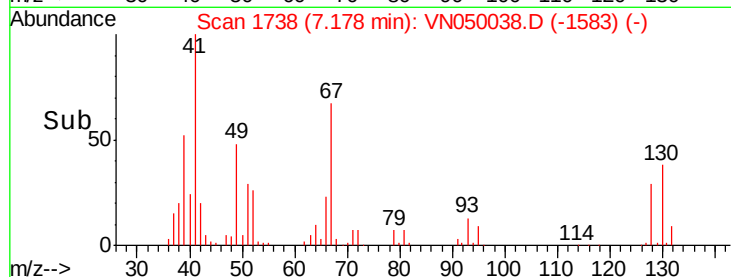
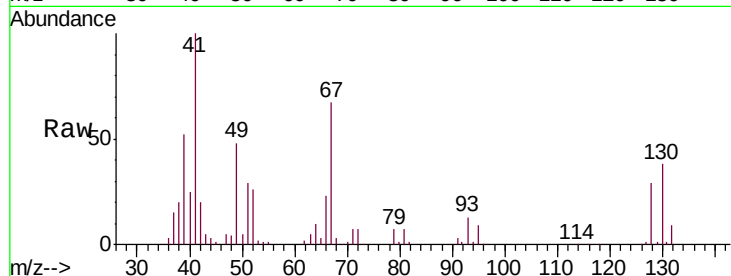
#35
Methacrylonitrile
Concen: 52.34 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:	41	Resp:	195654
Ion Ratio	Lower	Upper	
41	100		
39	51.7	27.6	82.7
67	66.8	35.1	105.5
52	25.9	14.1	42.4

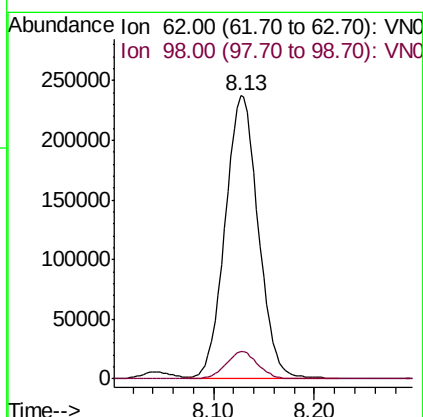
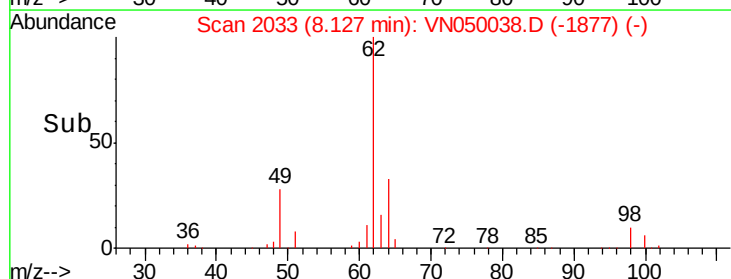
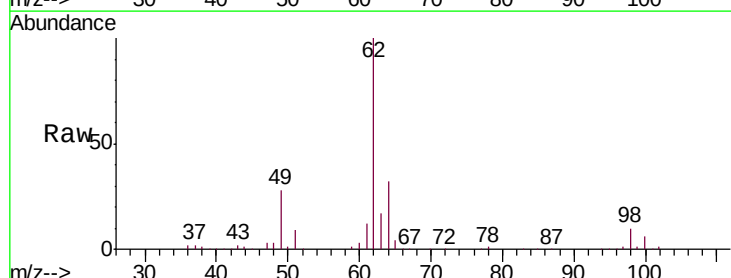
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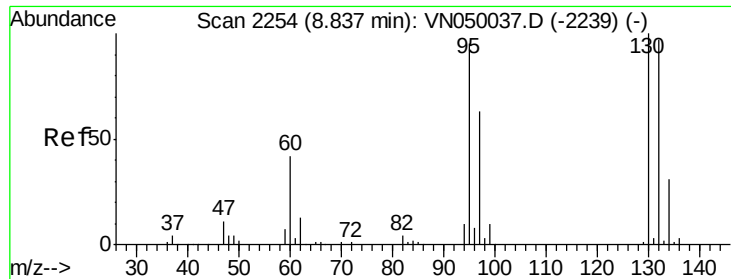
MMDadoda
7/26/2018 3:53:49 PM



#36
1,2-Dichloroethane
Concen: 47.51 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion:	62	Resp:	540432
Ion Ratio	Lower	Upper	
62	100		
98	9.3	7.8	11.6





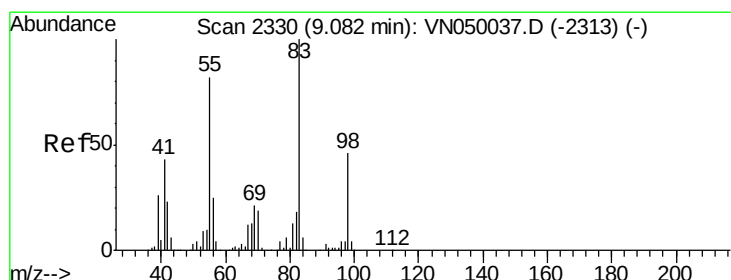
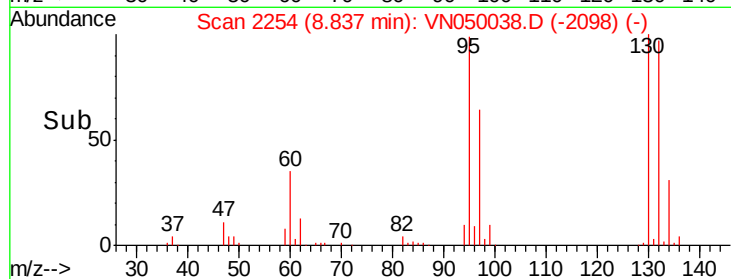
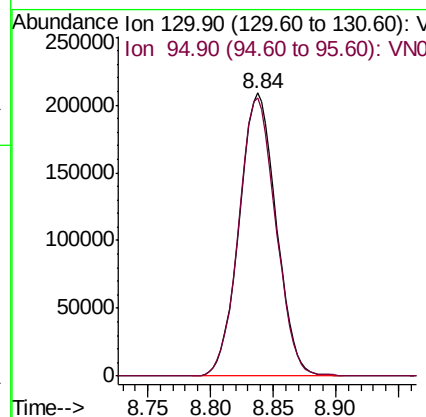
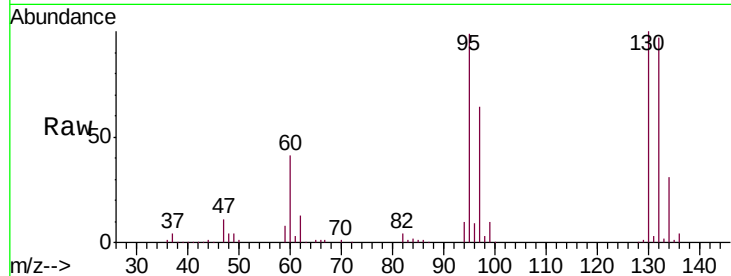
#37
 Trichloroethene
 Concen: 47.44 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 428118
 Ion Ratio Lower Upper
 130 100
 95 98.5 79.7 119.5

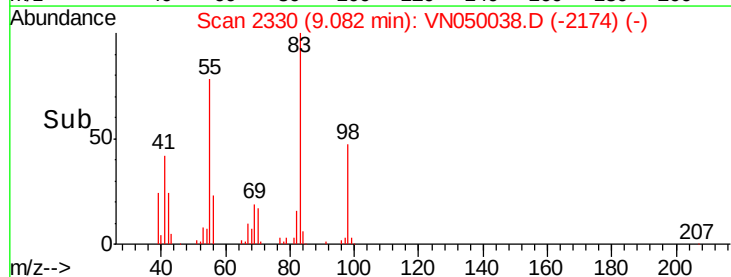
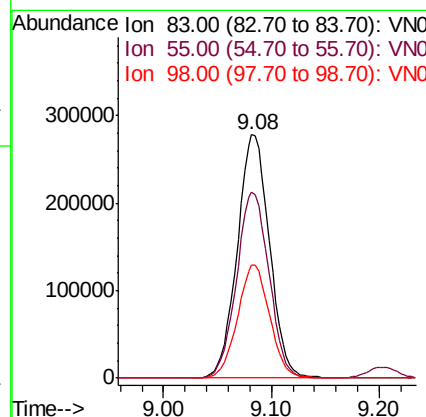
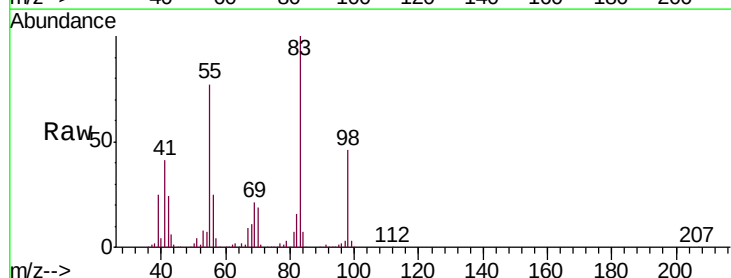
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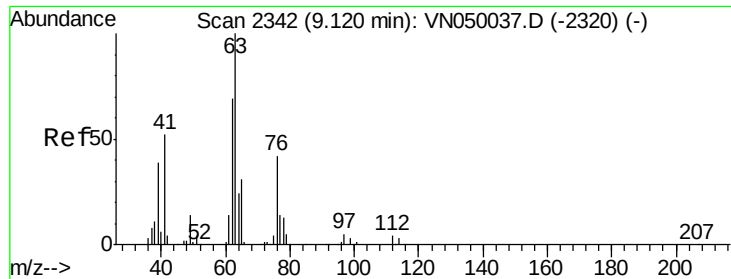
MMDadoda
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#38
 Methylcyclohexane
 Concen: 49.87 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Tgt Ion: 83 Resp: 580136
 Ion Ratio Lower Upper
 83 100
 55 77.0 39.3 117.8
 98 46.4 23.0 69.0





#39

1,2-Dichloropropane

Concen: 47.75 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 63 Resp: 435407

Ion Ratio Lower Upper

63 100

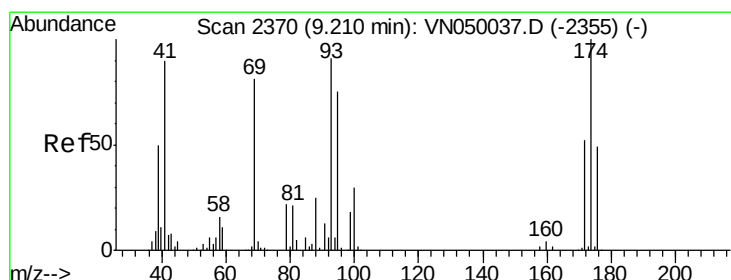
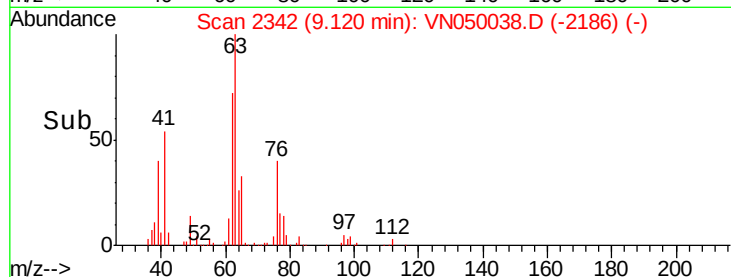
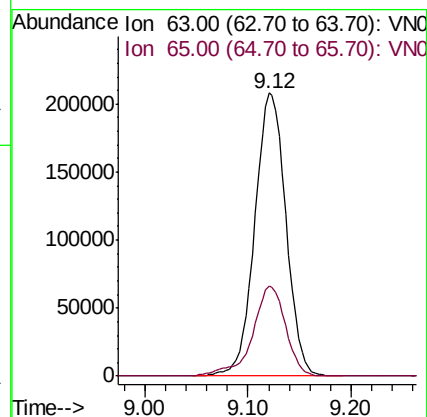
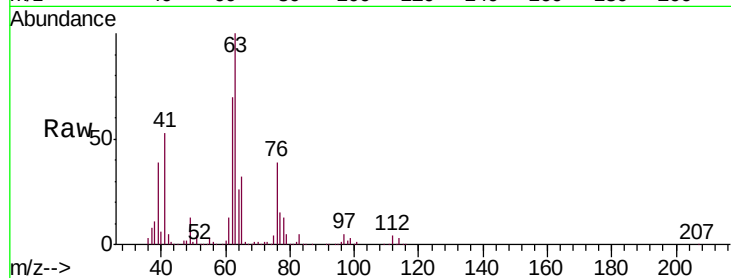
65 31.5 24.2 36.2

Manual Integrations

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7/26/2018 3:53:49 PM



#40

Dibromomethane

Concen: 48.94 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

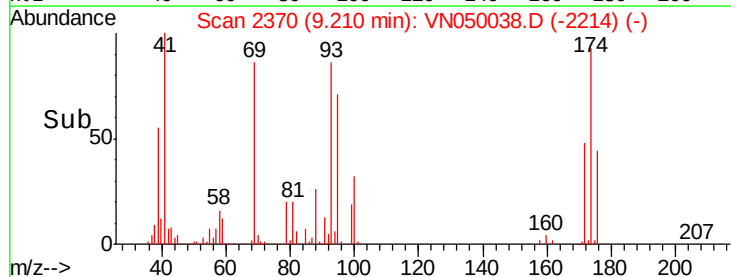
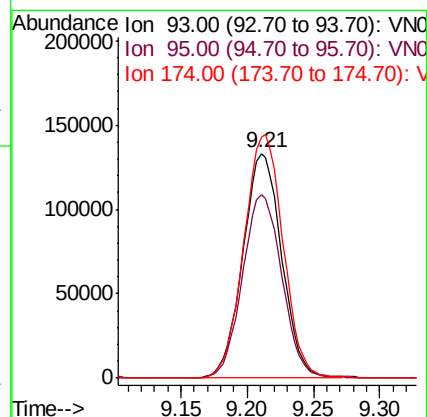
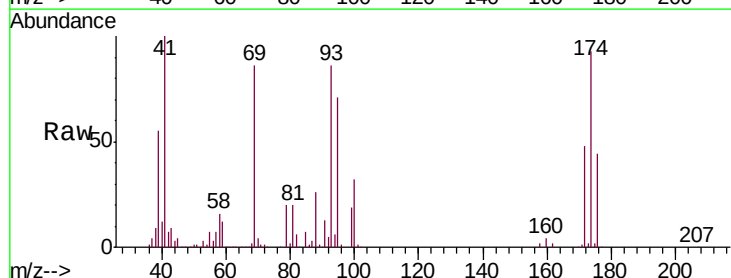
Tgt Ion: 93 Resp: 271296

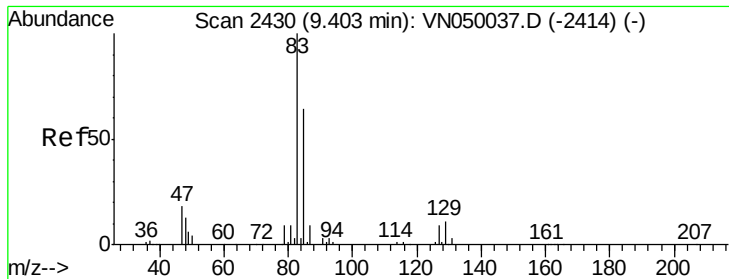
Ion Ratio Lower Upper

93 100

95 83.4 0.0 165.6

174 109.5 0.0 223.2





#41

Bromodichloromethane

Concen: 48.28 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

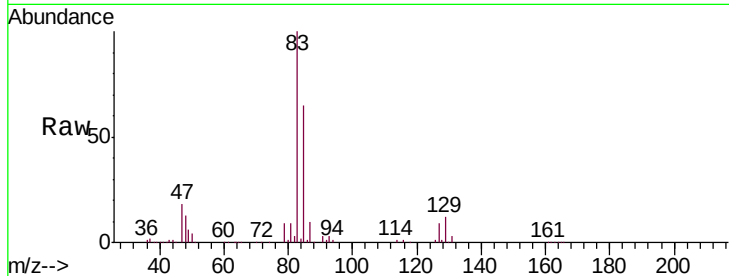
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	566651
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.6	78.8
127	8.9	7.0	10.4

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VN050037.D (-2414) (-)

Ion 85.00 (84.70 to 85.70): VN050037.D (-2414) (-)

Ion 127.00 (126.70 to 127.70): VN050037.D (-2414) (-)

9.41

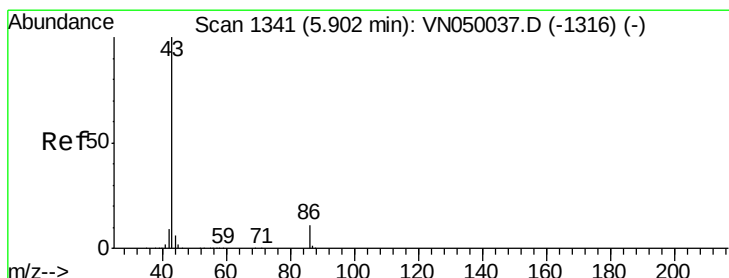
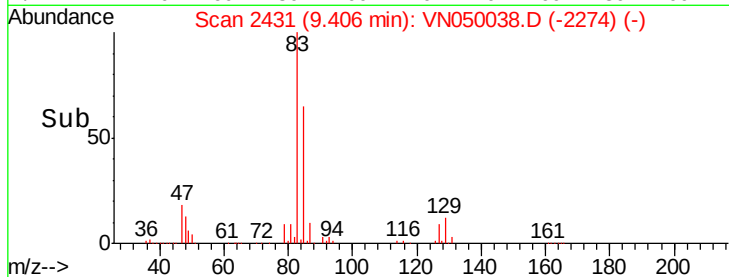
300000

200000

100000

0

Time--> 9.30 9.35 9.40 9.45 9.50



#42

Vinyl Acetate

Concen: 261.34 ug/l

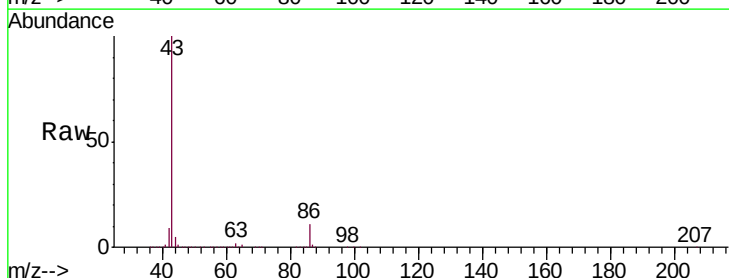
RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Tgt Ion:	43	Resp:	4236725
Ion Ratio	Lower	Upper	
43	100		
86	9.0	7.3	10.9



Abundance Ion 43.00 (42.70 to 43.70): VN050037.D (-1316) (-)

Ion 86.00 (85.70 to 86.70): VN050037.D (-1316) (-)

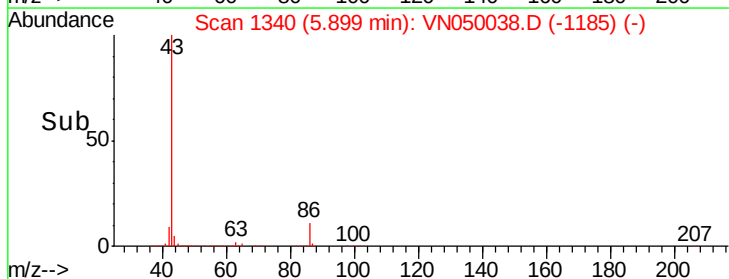
1500000

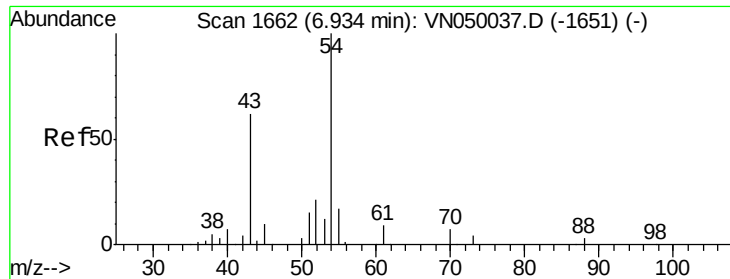
1000000

500000

0

Time--> 5.80 6.00





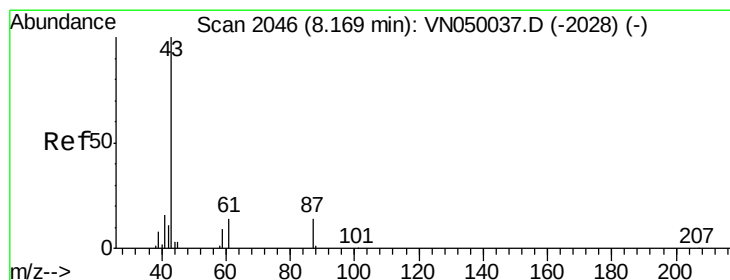
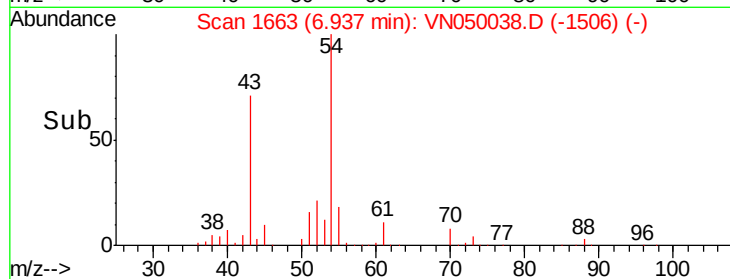
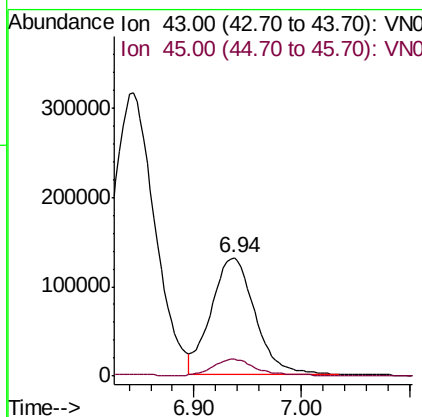
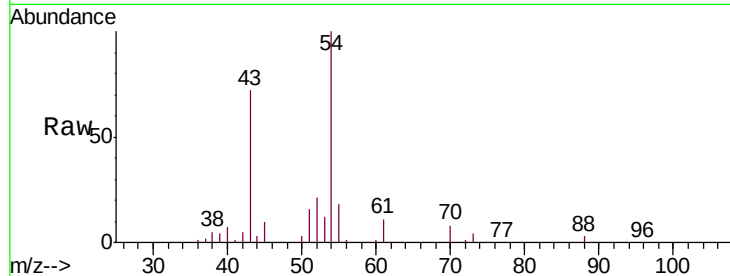
#43
Ethyl Acetate
Concen: 49.65 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	43	45	Ratio	Lower	Upper
366960	100	14.5		13.0	19.6

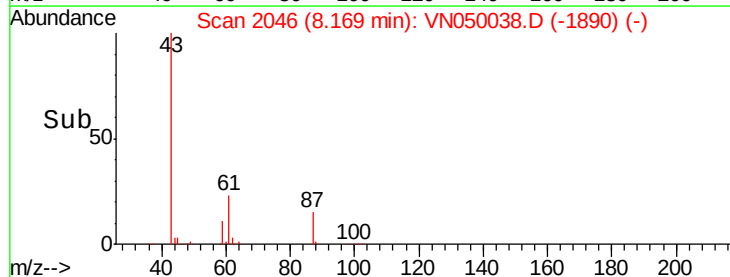
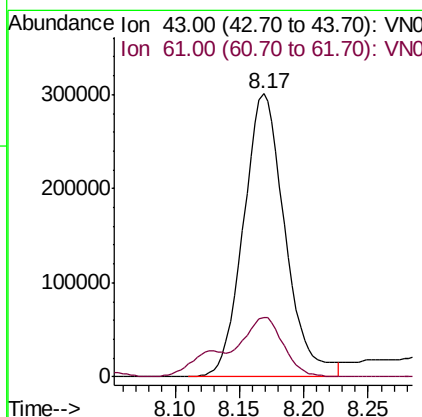
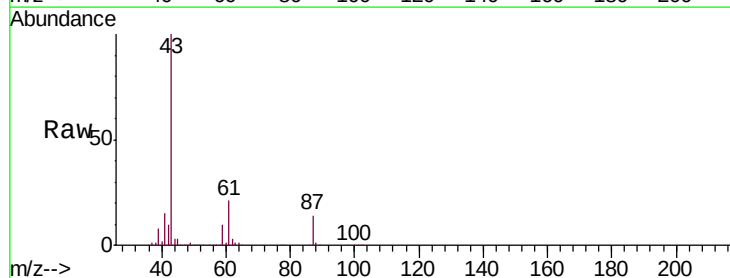
Manual Integrations
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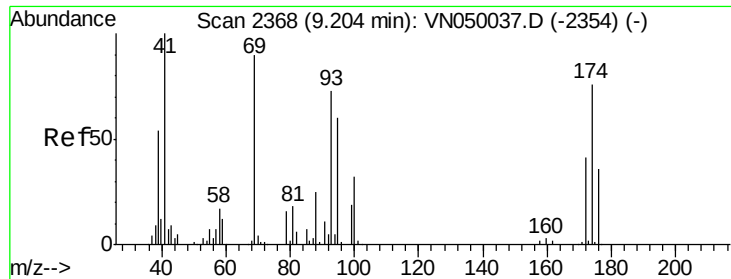
MMDadoda
7/26/2018 3:53:49 PM



#44
Isopropyl Acetate
Concen: 49.79 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion	43	61	Ratio	Lower	Upper
673368	100	19.7		16.4	24.6





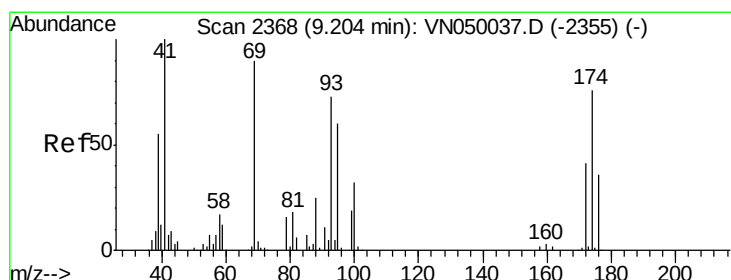
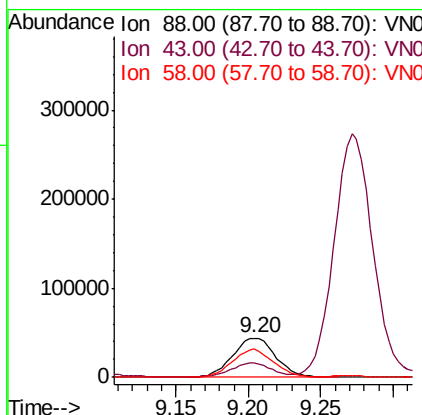
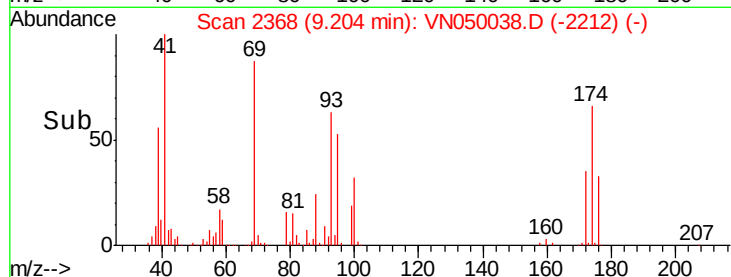
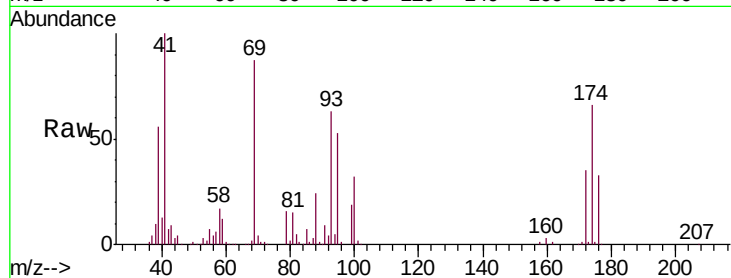
#45
 1,4-Dioxane
 Concen: 1027.16 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	26.9	40.3
58	69.4	53.6	80.4

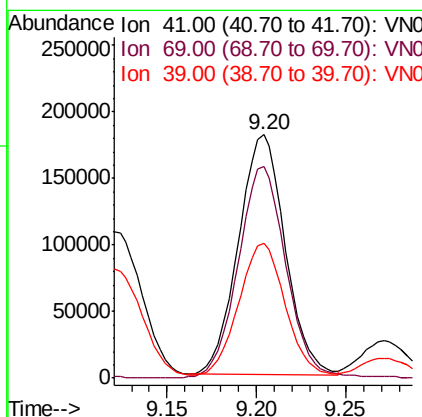
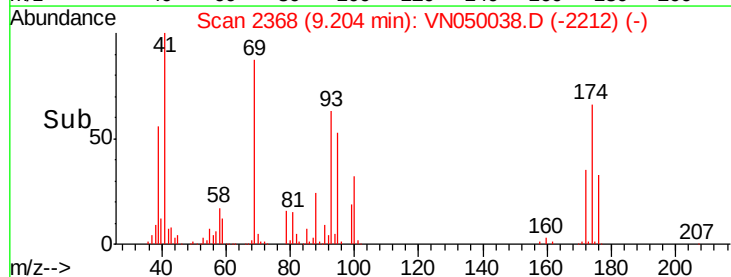
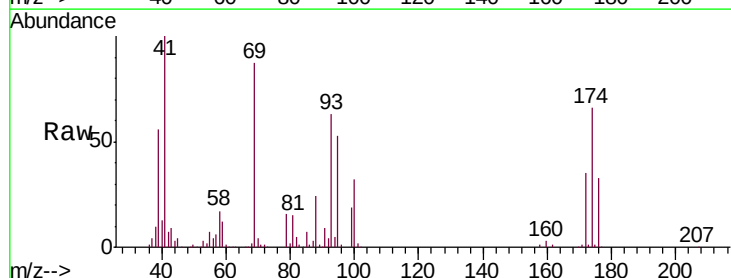
Manual Integrations
 APPROVED

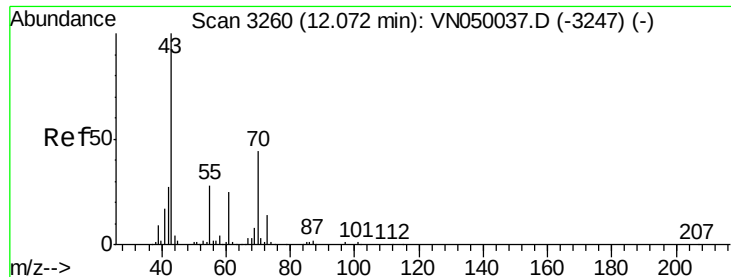
MMDadoda
 7/26/2018 3:53:49 PM



#46
 Methyl methacrylate
 Concen: 51.48 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.1	44.0	132.1
39	55.2	27.0	80.8





#47

n-amyl Acetate

Concen: 57.13 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 43 Resp: 550377

Ion Ratio Lower Upper

43 100

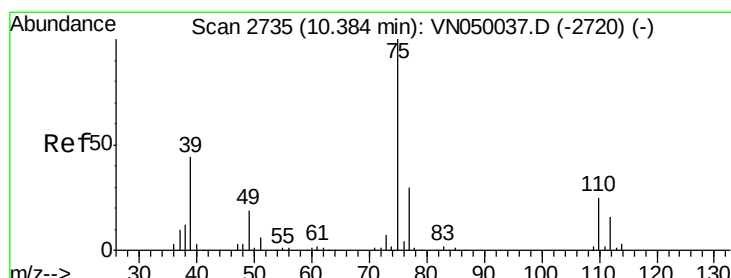
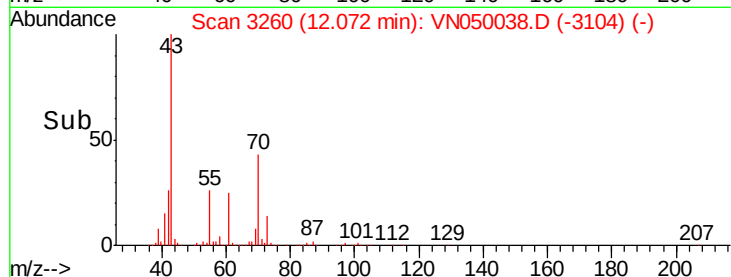
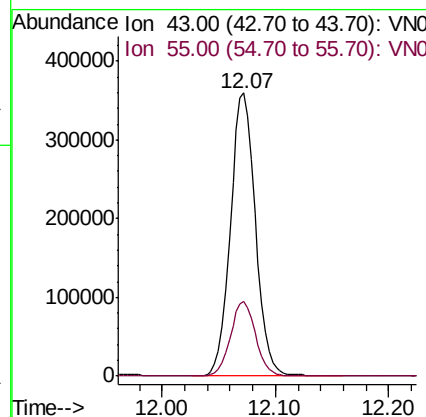
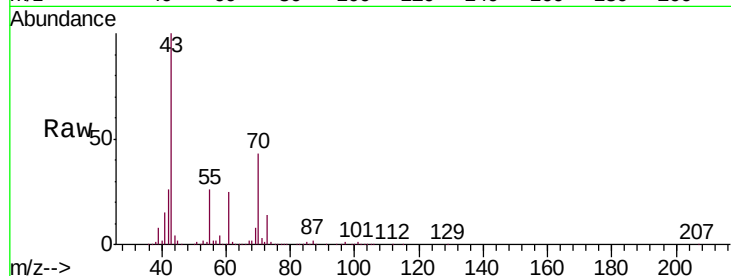
55 26.7 21.0 31.4

Manual Integrations

APPROVED

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7/26/2018 3:53:49 PM



#48

t-1,3-Dichloropropene

Concen: 48.02 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VN050038.D

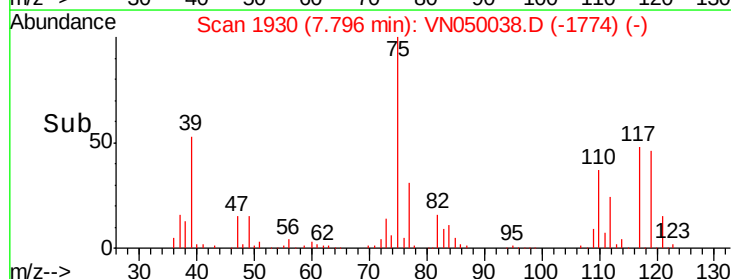
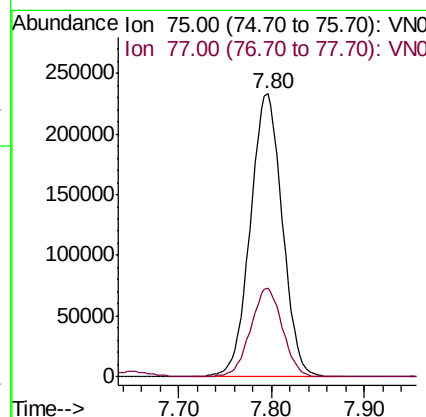
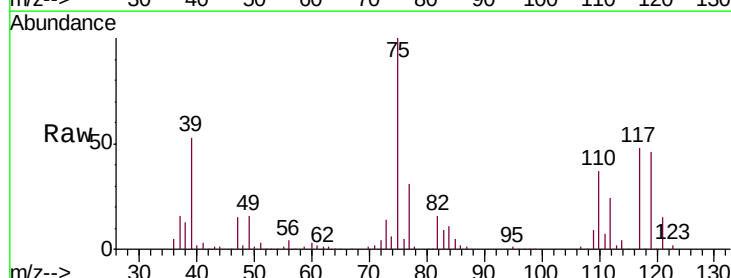
Acq: 25 Jul 2018 9:21

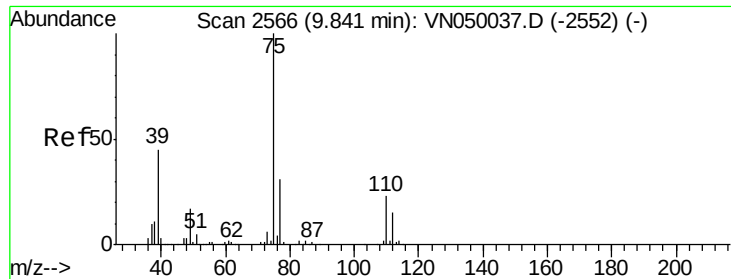
Tgt Ion: 75 Resp: 558247

Ion Ratio Lower Upper

75 100

77 31.2 24.6 37.0





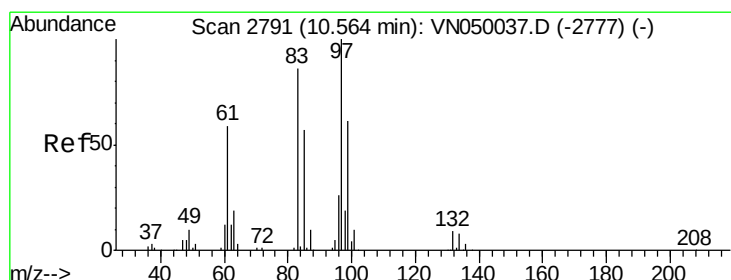
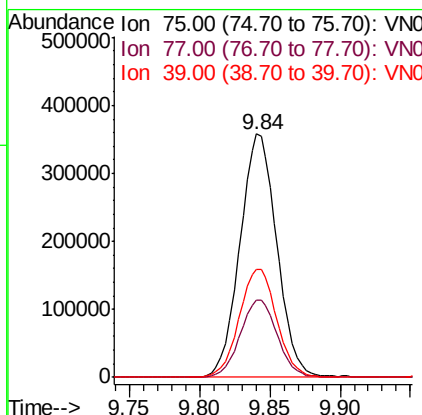
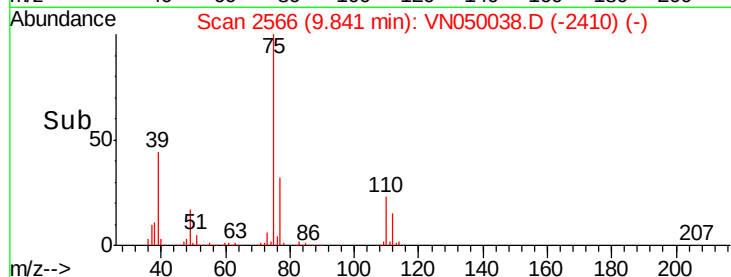
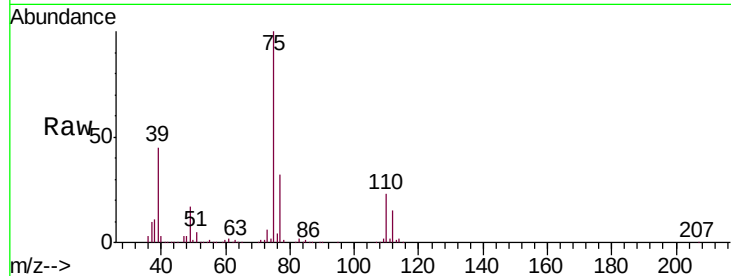
#49
 cis-1,3-Dichloropropene
 Concen: 50.55 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.7	38.5
39	44.4	36.3	54.5

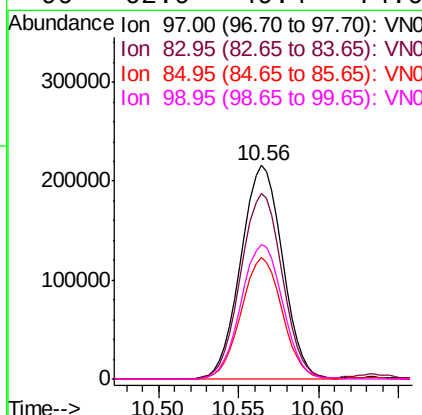
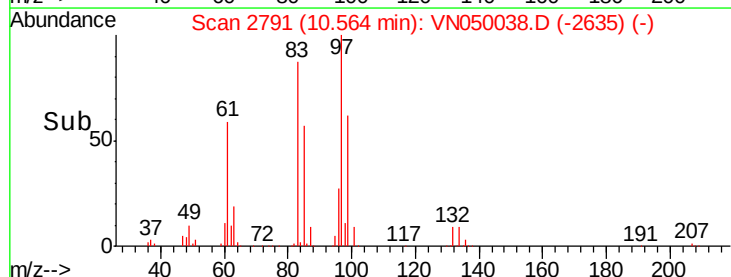
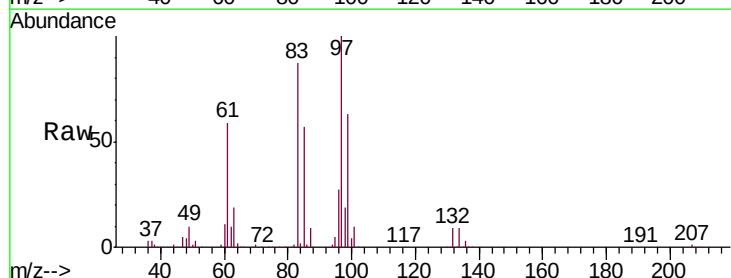
Manual Integrations
 APPROVED

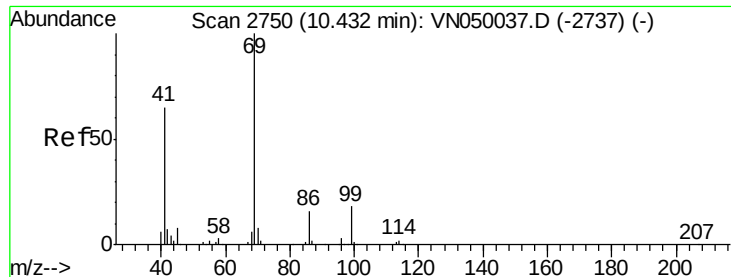
MMDadoda
 7/26/2018 3:53:49 PM



#50
 1,1,2-Trichloroethane
 Concen: 48.45 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.1	102.1
85	56.8	45.4	68.2
99	62.9	49.4	74.0





#51

Ethyl methacrylate

Concen: 55.82 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

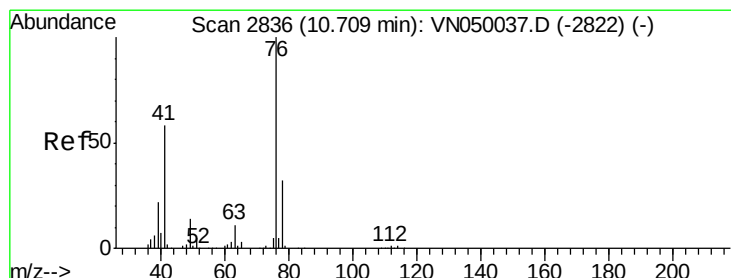
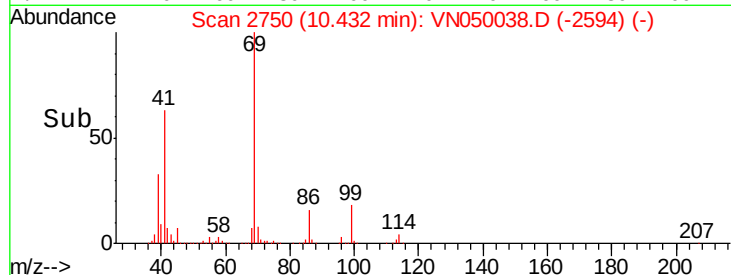
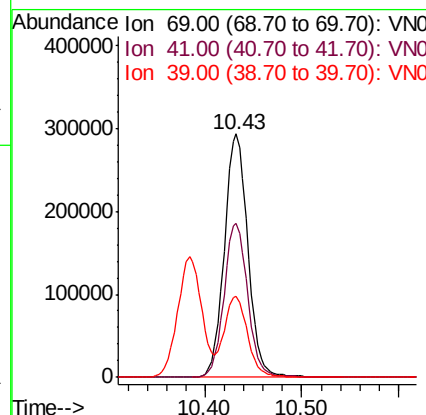
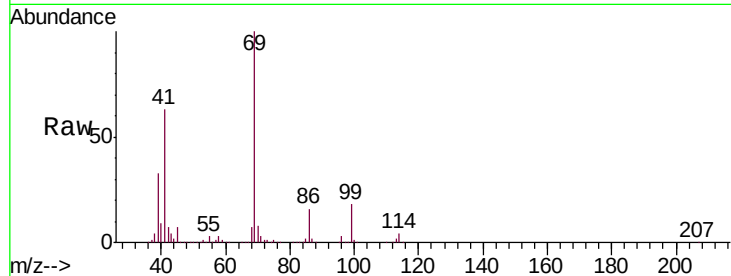
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	495149
Ion Ratio	Lower	Upper	
69	100		
41	62.9	31.9	95.9
39	33.0	16.7	50.1

Manual Integrations
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7/26/2018 3:53:49 PM



#52

1,3-Dichloropropane

Concen: 49.08 ug/l

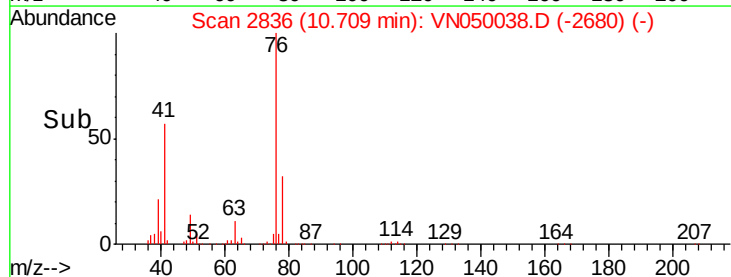
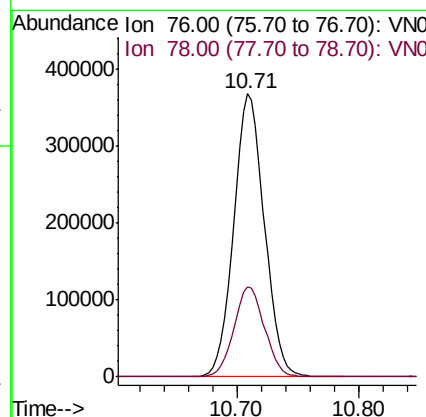
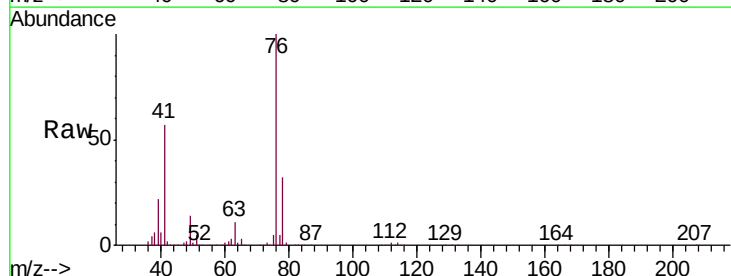
RT: 10.71 min Scan# 2836

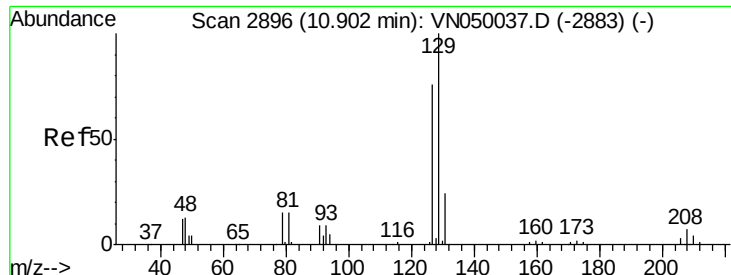
Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Tgt Ion:	76	Resp:	641891
Ion Ratio	Lower	Upper	
76	100		
78	32.0	0.0	65.6





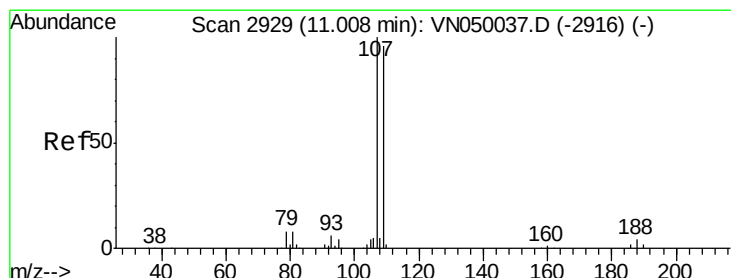
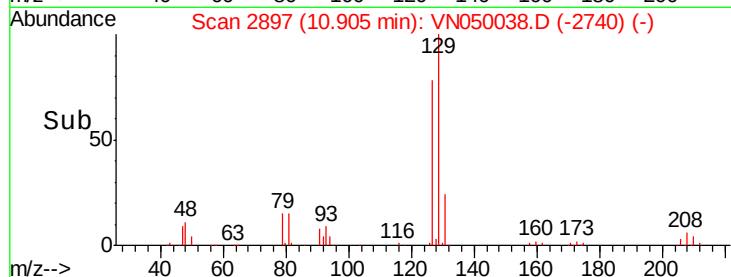
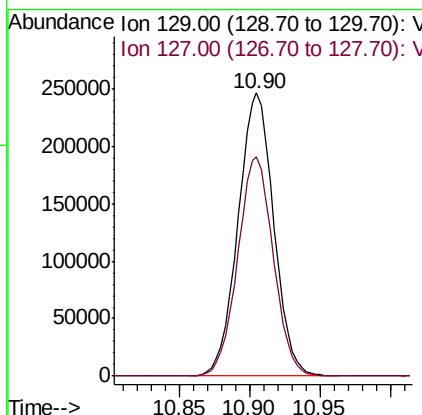
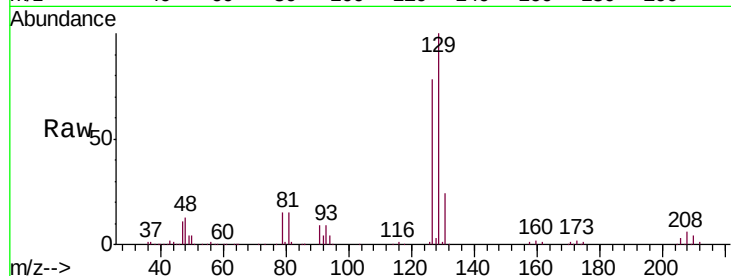
#53
Dibromochloromethane
Concen: 49.04 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.1	114.5

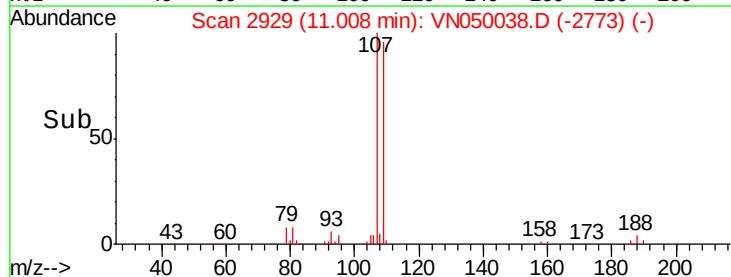
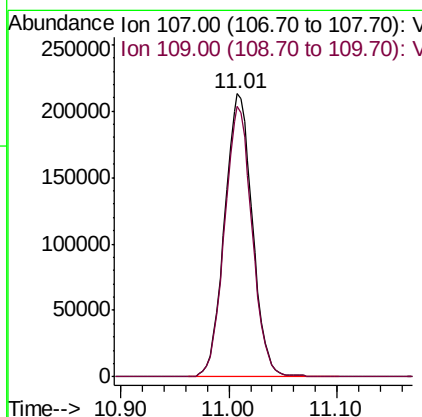
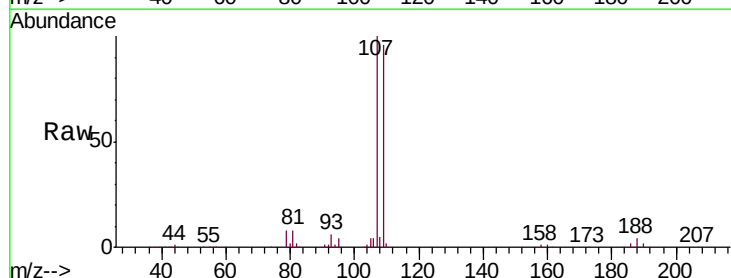
Manual Integrations
APPROVED

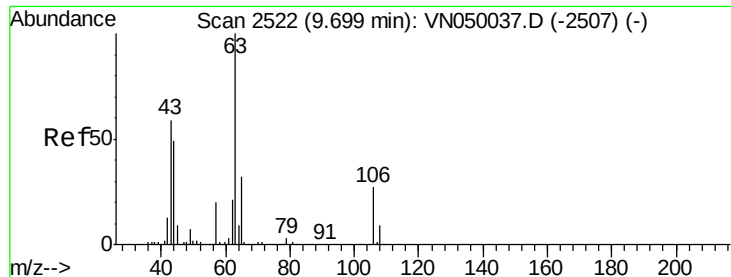
MMDadoda
7/26/2018 3:53:49 PM



#54
1,2-Dibromoethane
Concen: 49.83 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.8	76.2	114.2





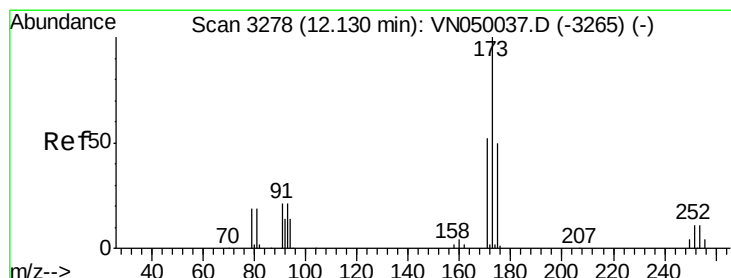
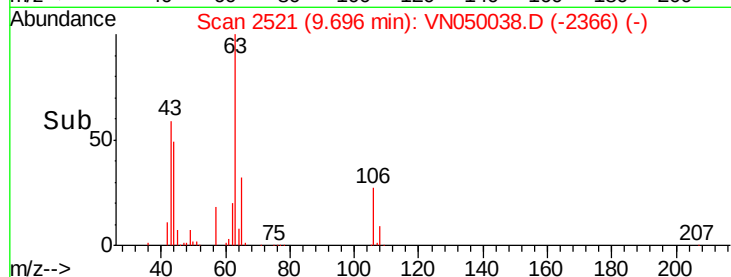
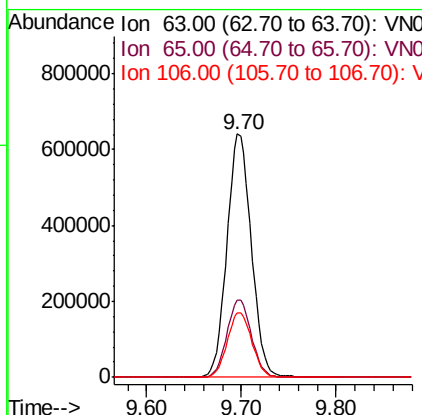
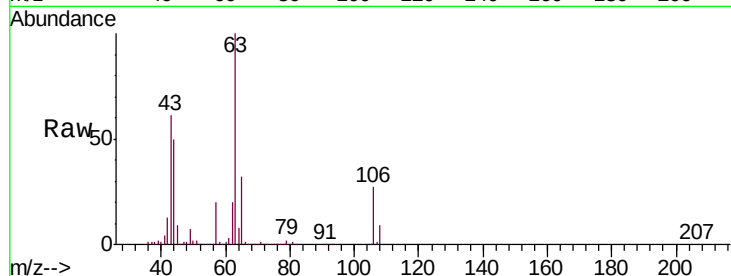
#55
2-Chloroethyl vinyl ether
Concen: 273.45 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 63 Resp: 1148054
Ion Ratio Lower Upper
63 100
65 32.0 25.5 38.3
106 26.8 21.8 32.6

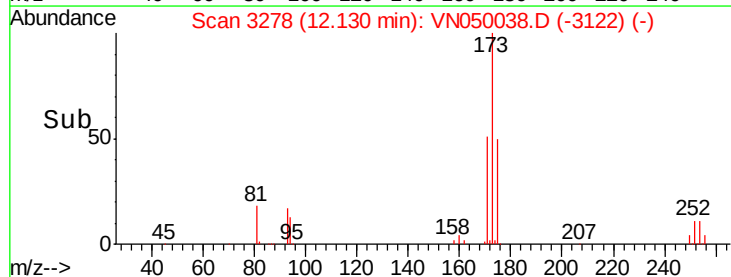
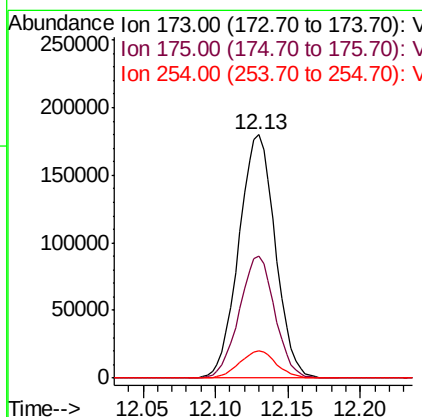
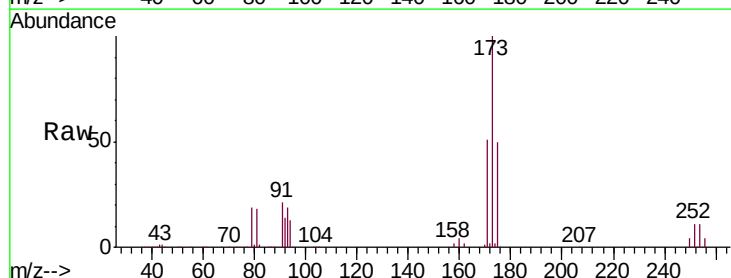
Manual Integrations
APPROVED

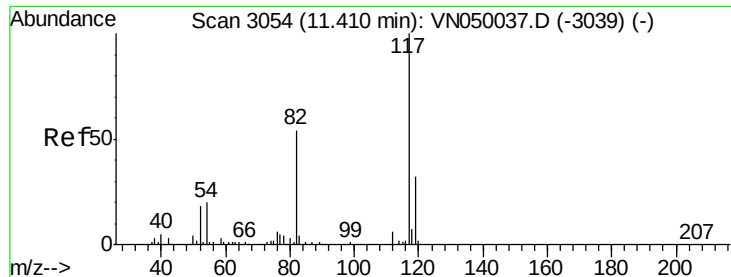
MMDadoda
7/26/2018 3:53:49 PM



#56
Bromoform
Concen: 51.54 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion: 173 Resp: 314593
Ion Ratio Lower Upper
173 100
175 48.8 38.6 57.8
254 11.1 8.8 13.2





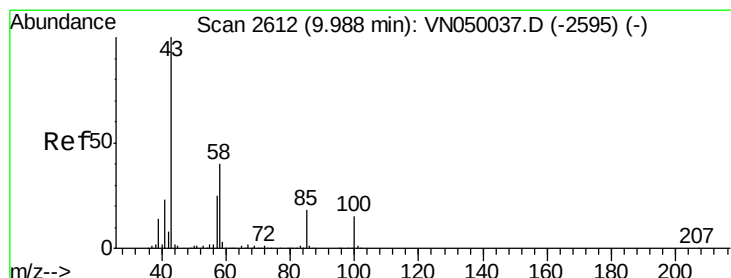
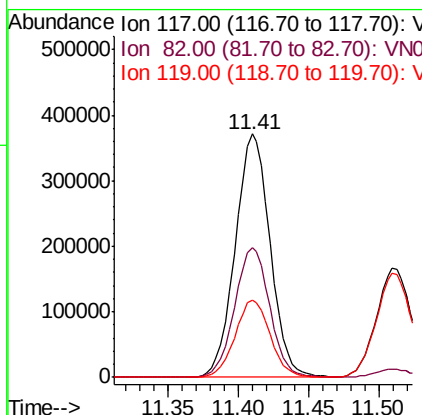
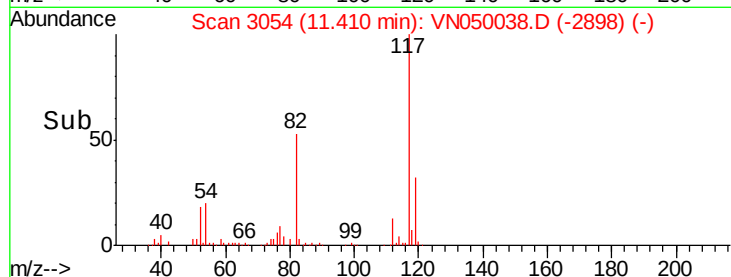
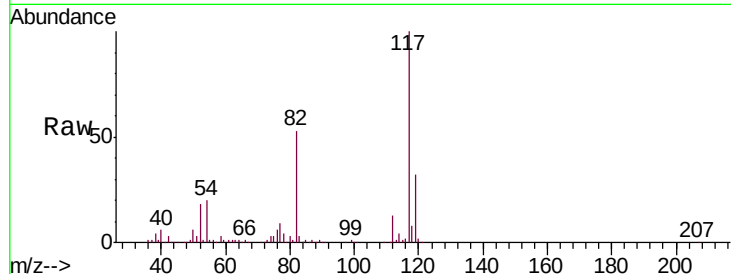
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.4	63.6
119	32.0	25.4	38.0

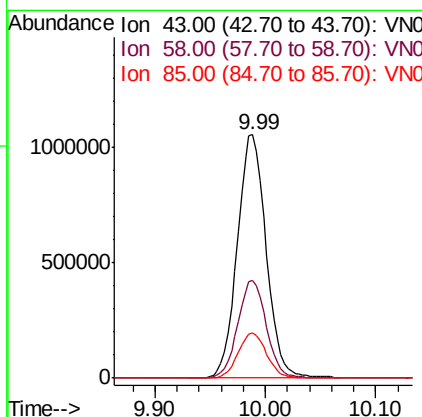
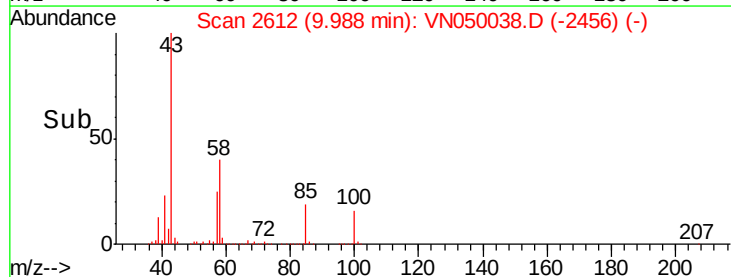
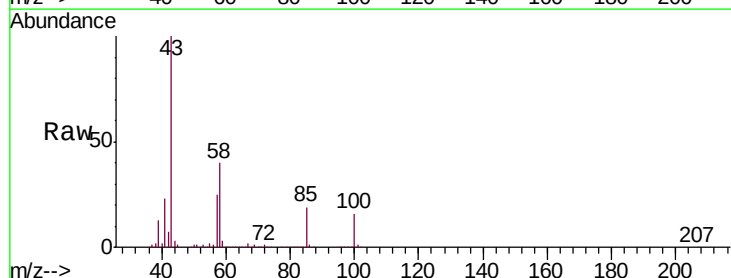
Manual Integrations
APPROVED

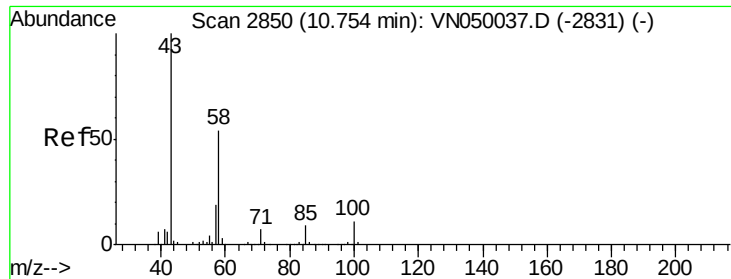
MMDadoda
7/26/2018 3:53:49 PM



#58
4-Methyl-2-Pentanone
Concen: 250.14 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.2	46.8
85	18.3	14.4	21.6





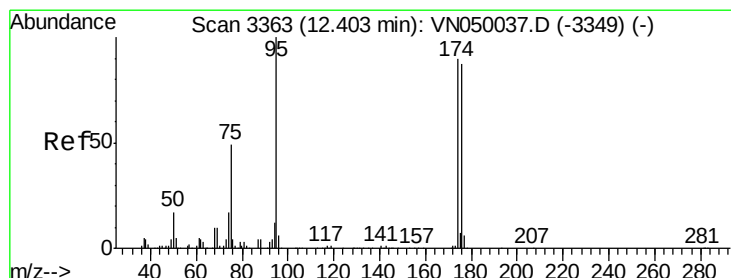
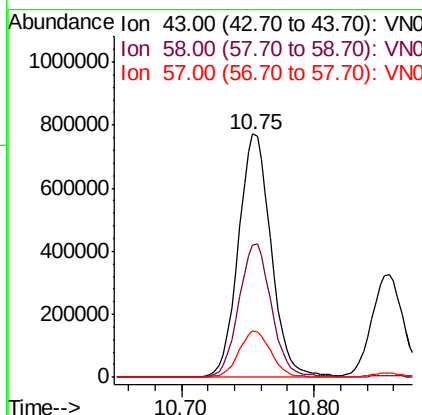
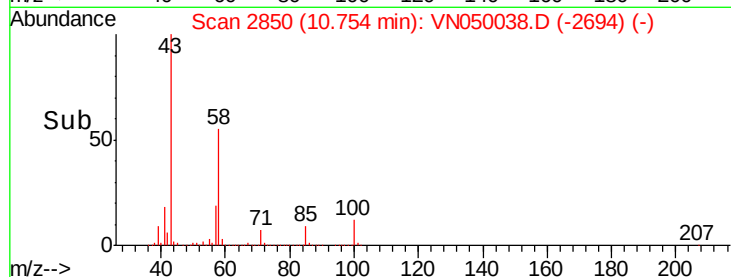
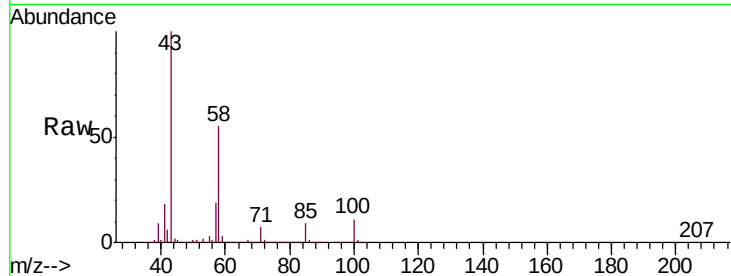
#59
2-Hexanone
Concen: 259.17 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	43.8	65.8
57	19.0	15.1	22.7

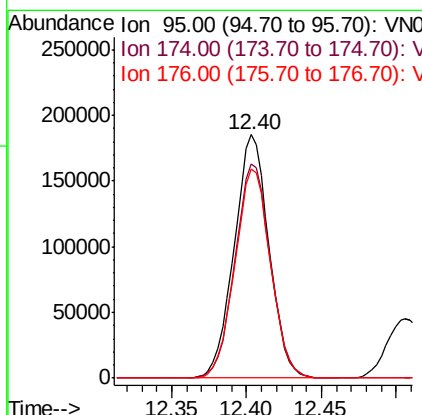
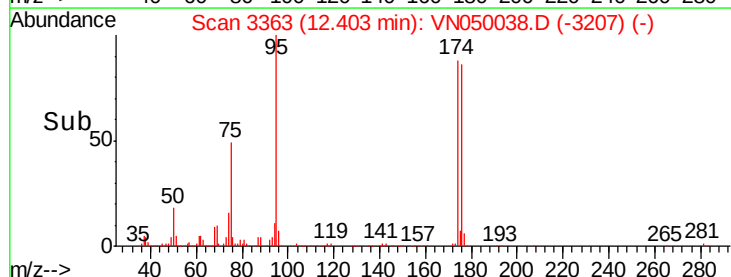
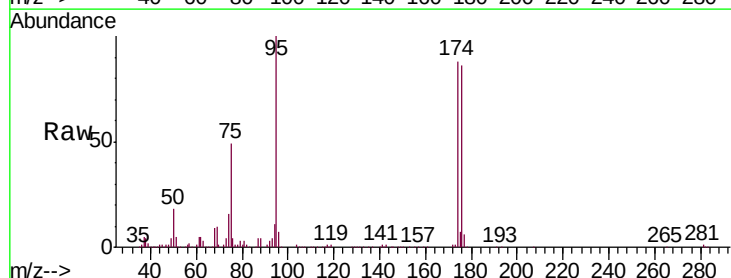
Manual Integrations
APPROVED

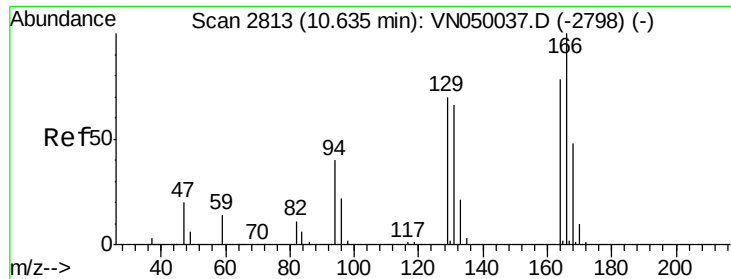
MMDadoda
7/26/2018 3:53:49 PM



#60
4-Bromofluorobenzene
Concen: 30.74 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	72.3	108.5
176	87.8	70.0	105.0





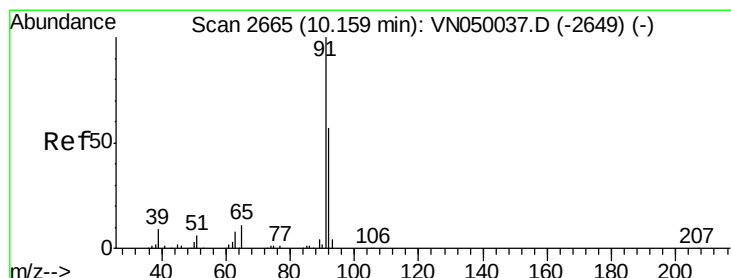
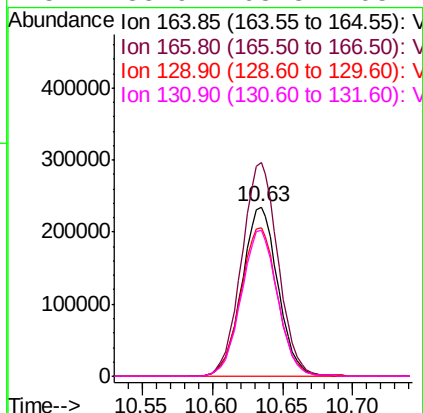
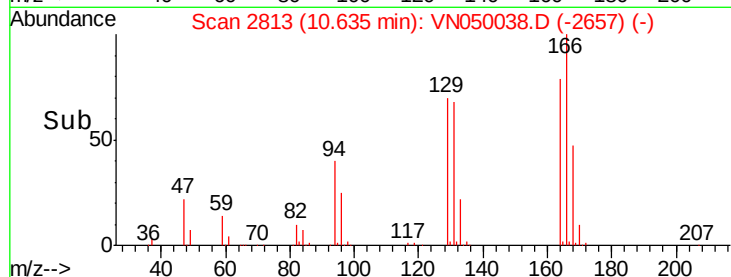
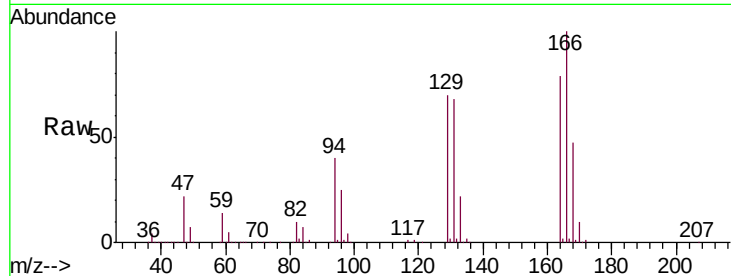
#61
Tetrachloroethene
Concen: 45.12 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.0	100.0	150.0
129	87.7	69.3	103.9
131	85.9	68.8	103.2

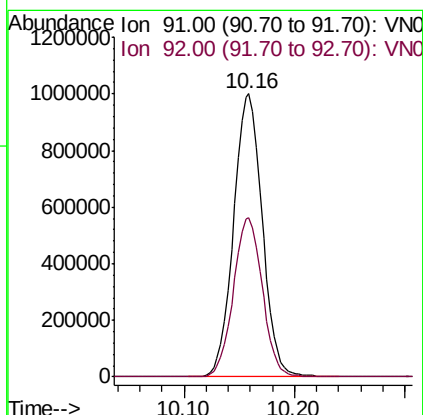
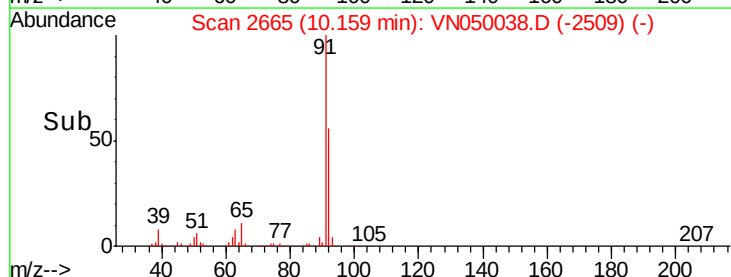
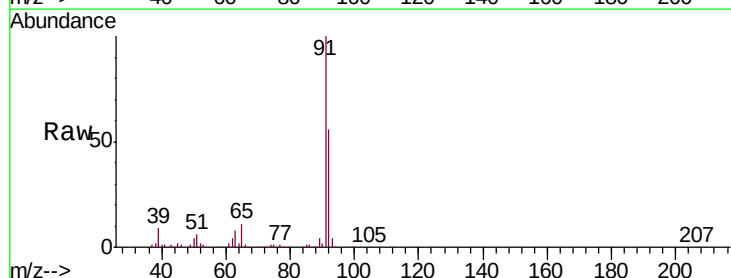
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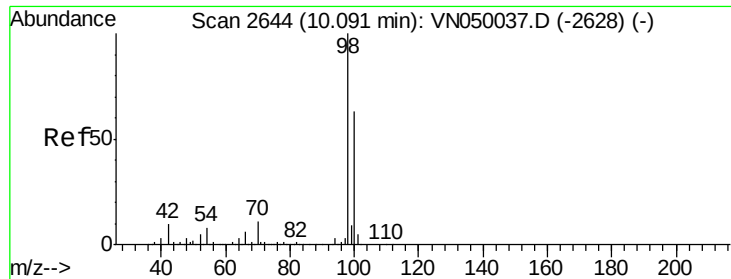
MMDadoda
7/26/2018 3:53:49 PM



#62
Toluene
Concen: 47.15 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.9	45.7	68.5





#63

Toluene-d8

Concen: 29.11 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 98 Resp: 918762

Ion Ratio Lower Upper

98 100

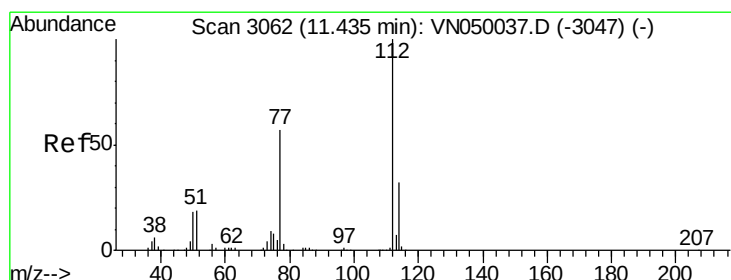
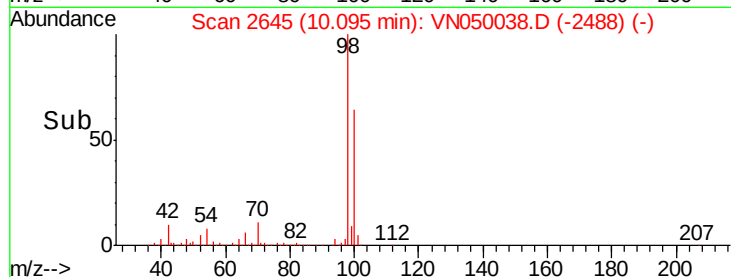
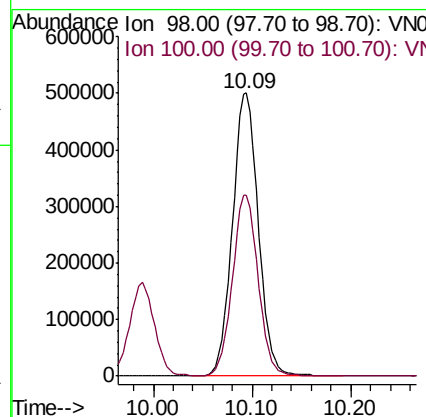
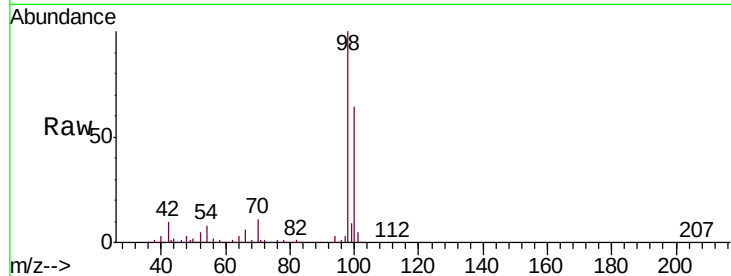
100 63.7 51.2 76.8

Manual Integrations

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7/26/2018 3:53:49 PM



#64

Chlorobenzene

Concen: 48.46 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050038.D

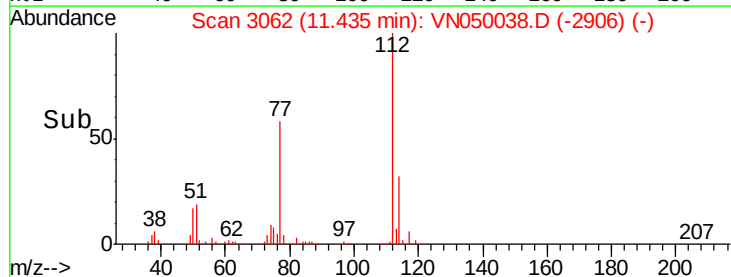
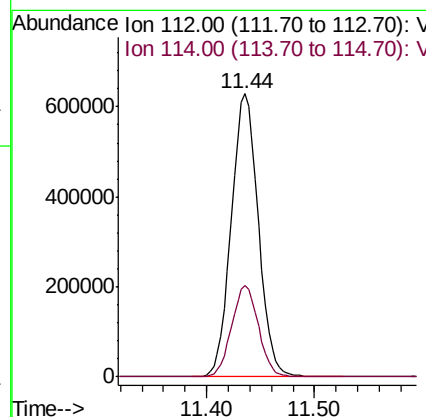
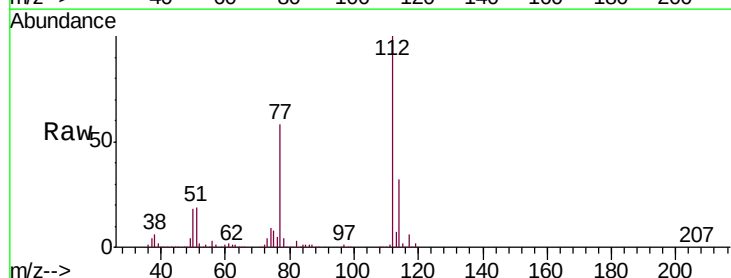
Acq: 25 Jul 2018 9:21

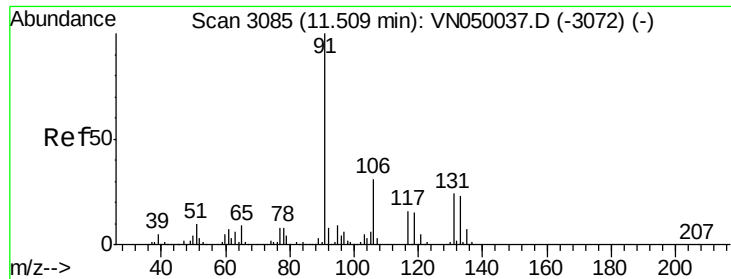
Tgt Ion: 112 Resp: 1101257

Ion Ratio Lower Upper

112 100

114 32.3 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 47.25 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

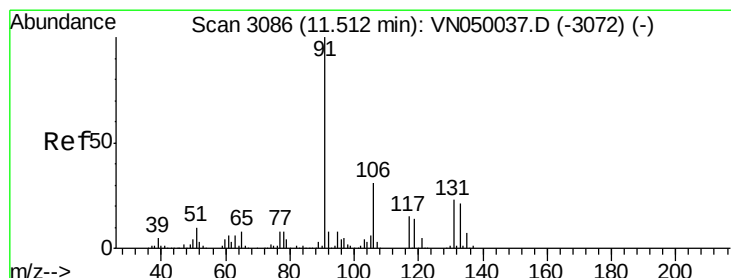
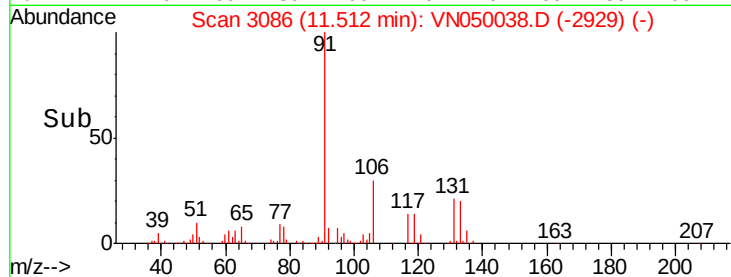
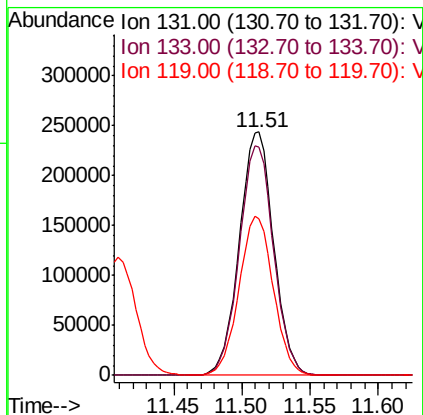
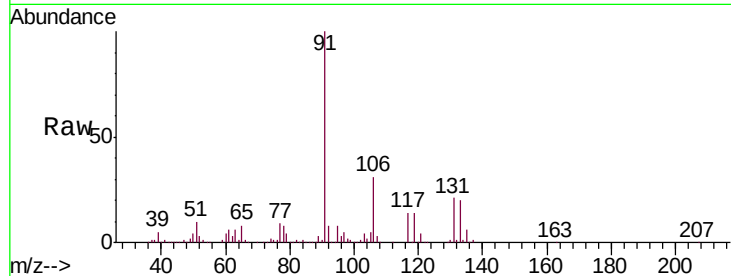
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
131	100	424519		
133	94.7	0.0	190.0	
119	65.6	0.0	131.6	

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#66

Ethyl Benzene

Concen: 50.51 ug/l

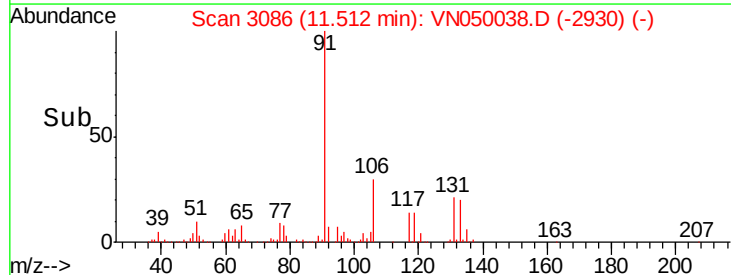
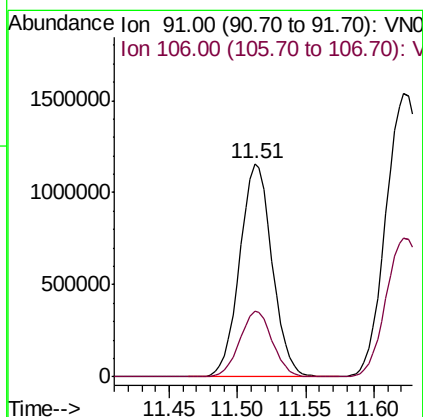
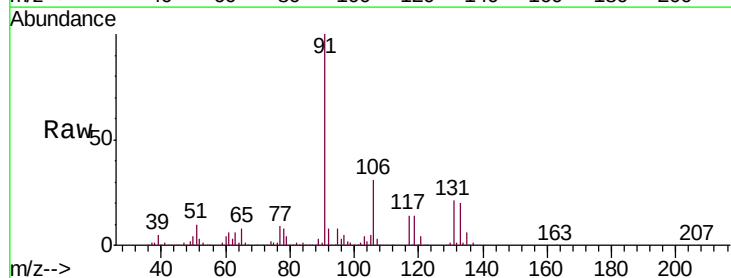
RT: 11.51 min Scan# 3086

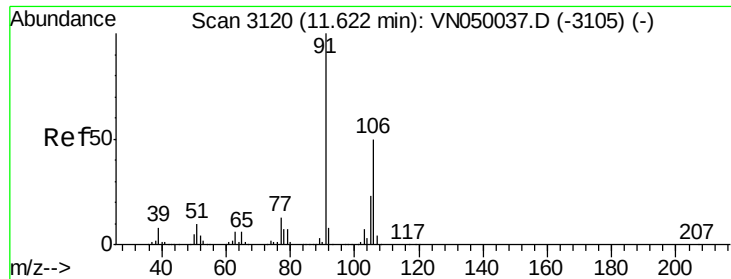
Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1912128		
106	30.8	25.1	37.7	





#67

m/p-Xylenes

Concen: 98.91 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:106 Resp: 1487720

Ion Ratio Lower Upper

106 100

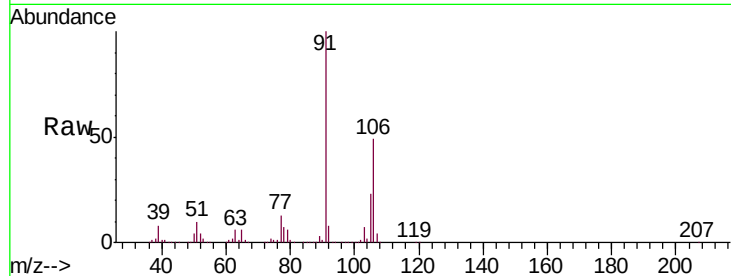
91 202.8 162.5 243.7

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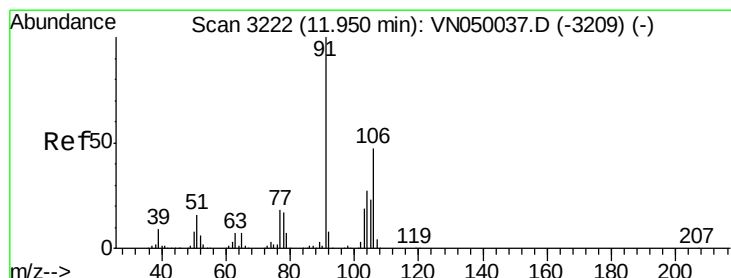
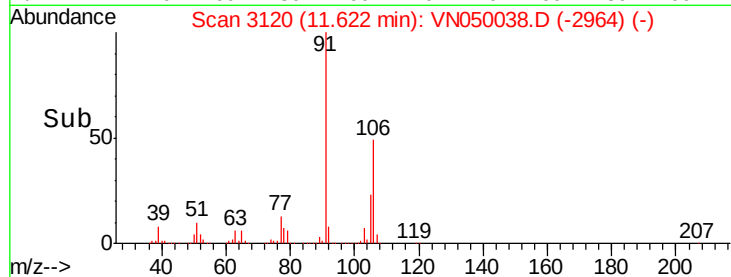
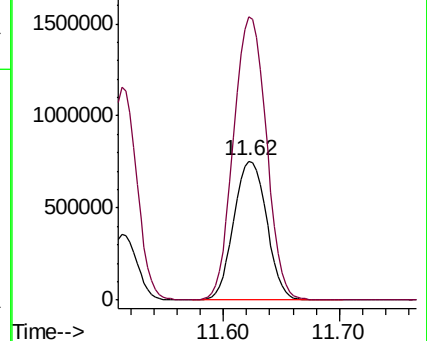
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 50.99 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050038.D

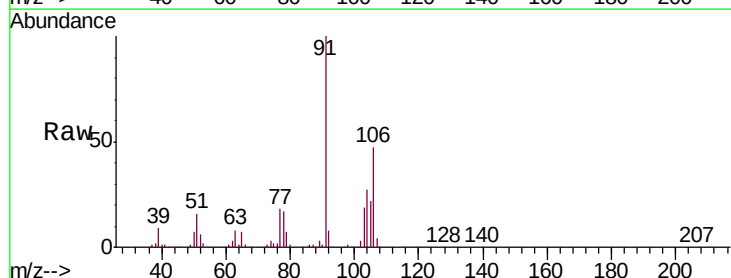
Acq: 25 Jul 2018 9:21

Tgt Ion:106 Resp: 704413

Ion Ratio Lower Upper

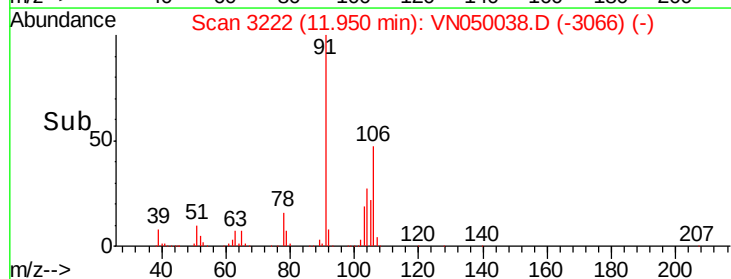
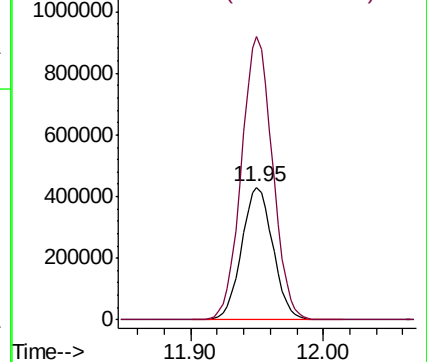
106 100

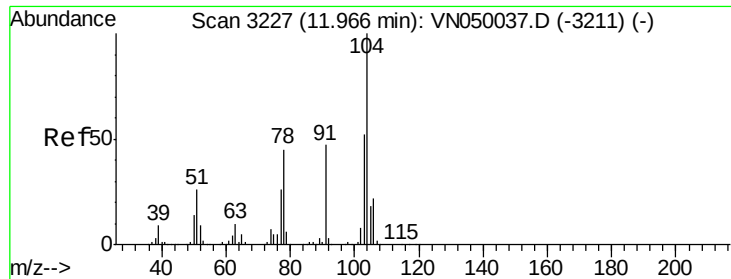
91 212.5 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





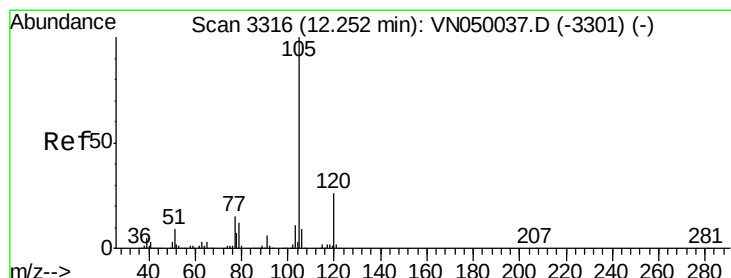
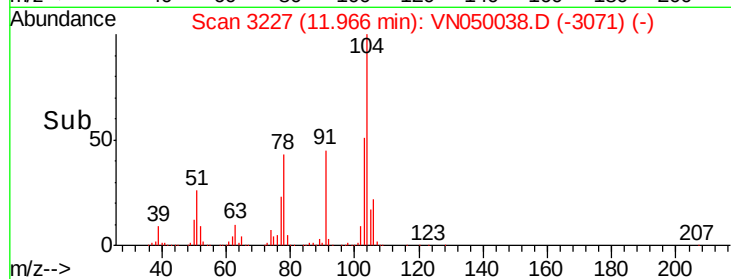
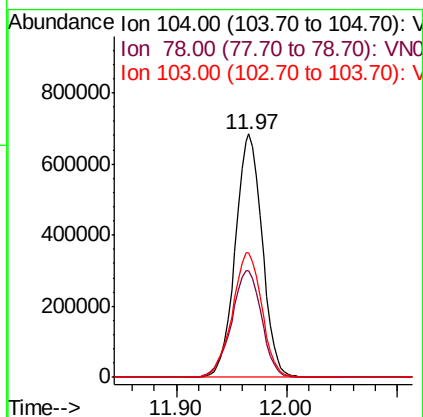
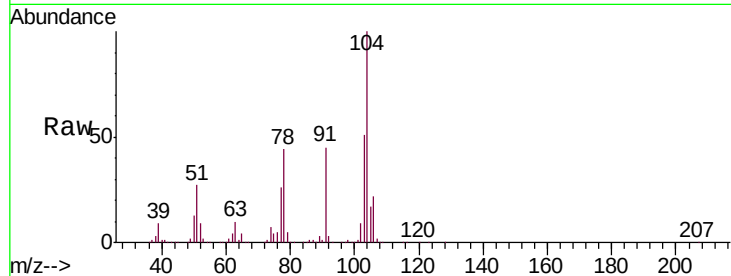
#69
Stvrene
Concen: 51.05 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.9	39.3	58.9
103	56.2	44.5	66.7

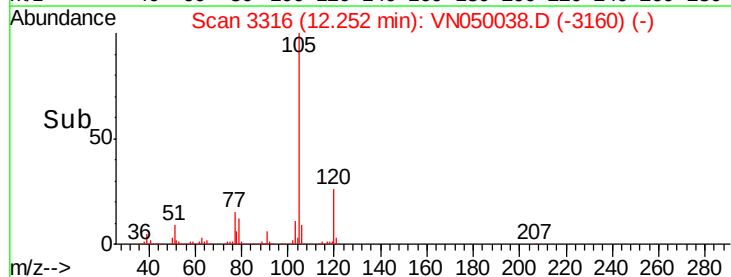
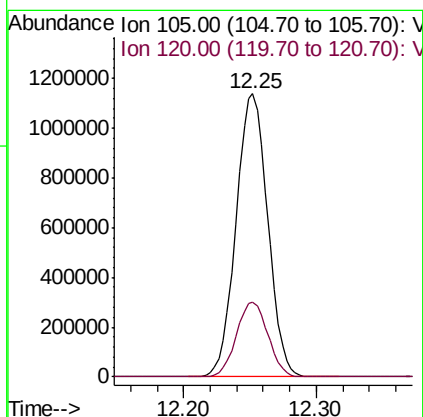
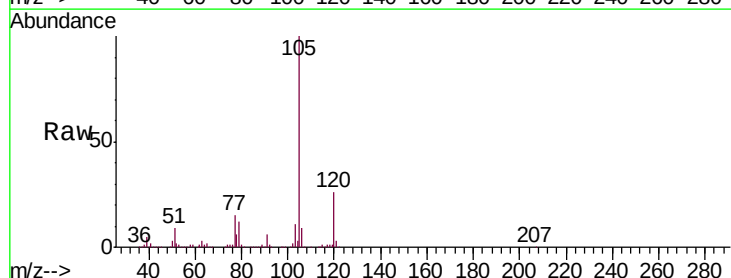
Manual Integrations
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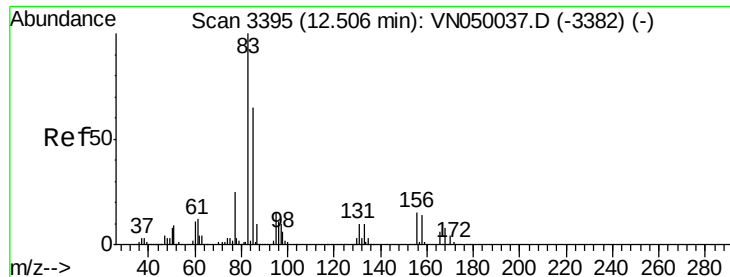
MMDadoda
7/26/2018 3:53:49 PM



#70
Isopropylbenzene
Concen: 50.26 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.9	35.1





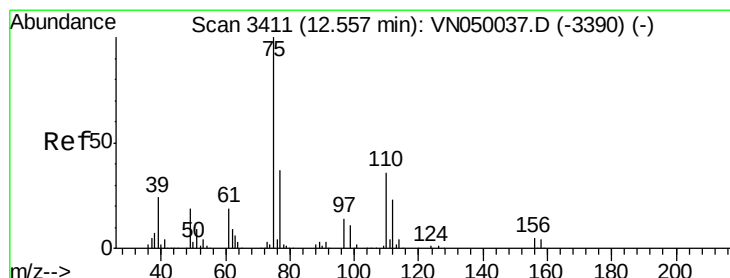
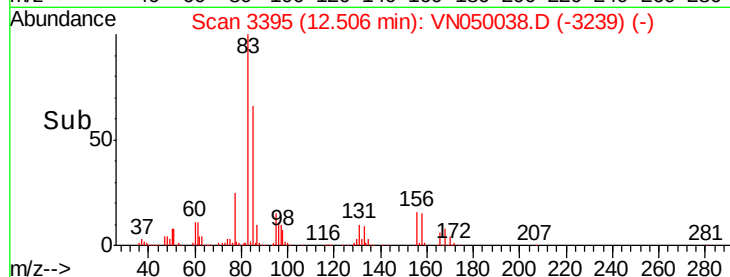
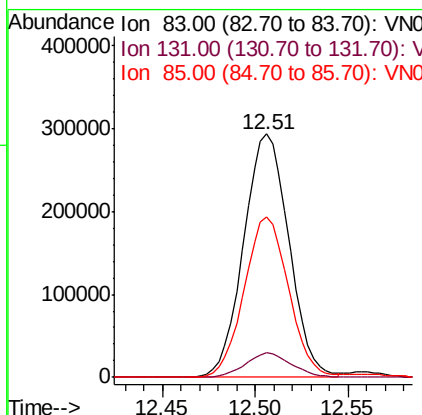
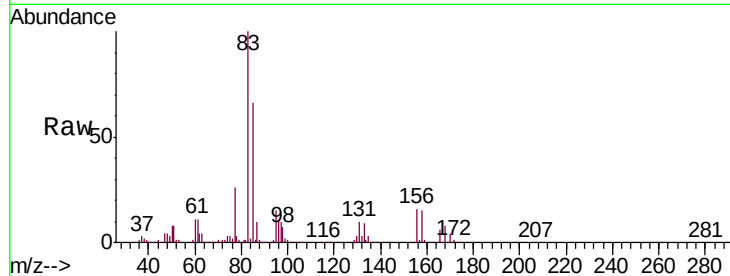
#71
 1,1,2,2-Tetrachloroethane
 Concen: 49.45 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.2	15.6
85	64.8	31.7	95.1

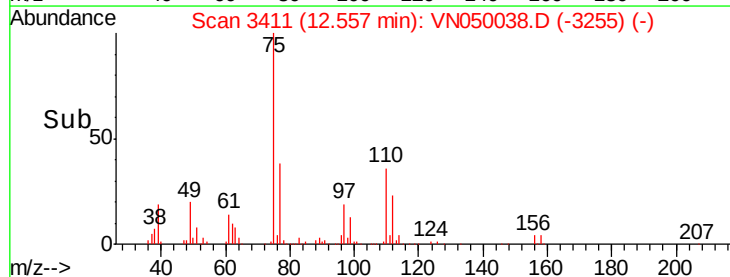
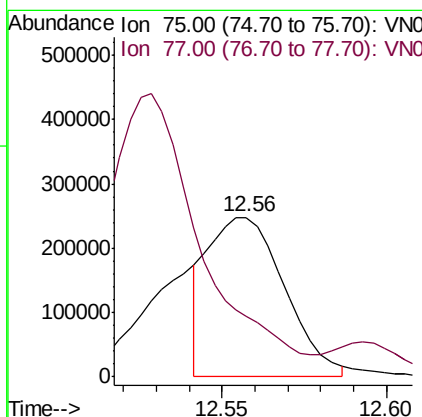
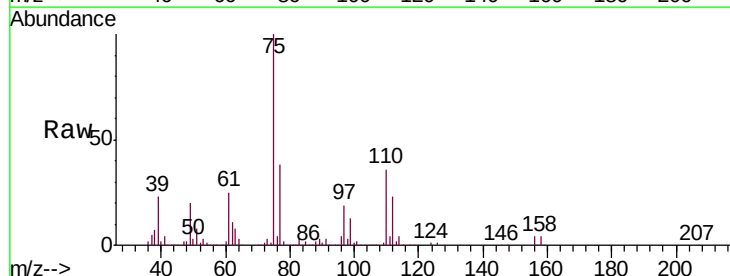
Manual Integrations
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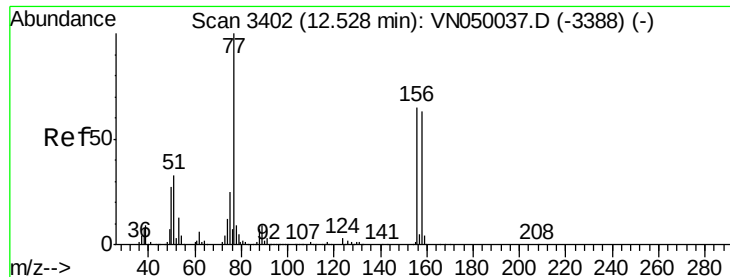
MMDadoda
 7/26/2018 3:53:49 PM



#72
 1,2,3-Trichloropropane
 Concen: 49.44 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	223.6	0.0	454.4





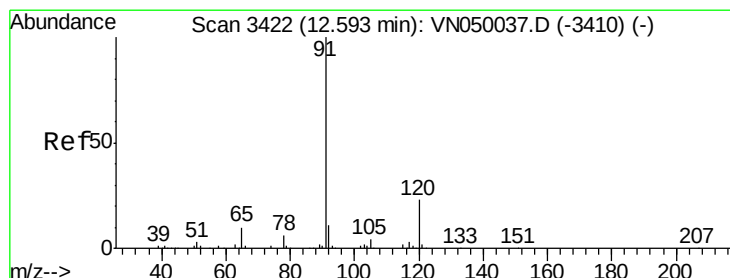
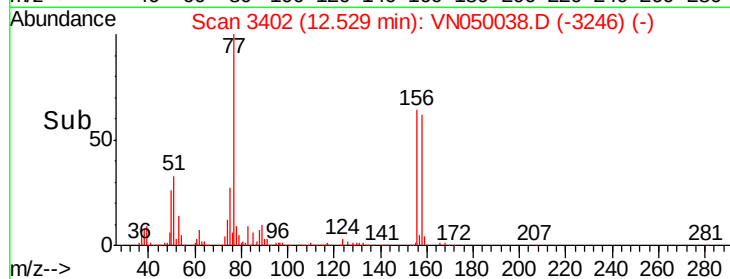
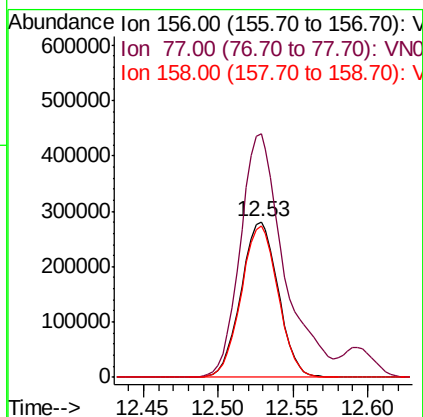
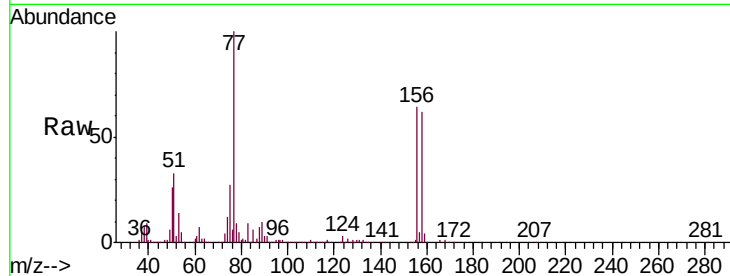
#73
Bromobenzene
Concen: 49.54 ug/l
RT: 12.53 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		486799		
77	183.7	0.0	359.8		
158	96.6	0.0	192.8		

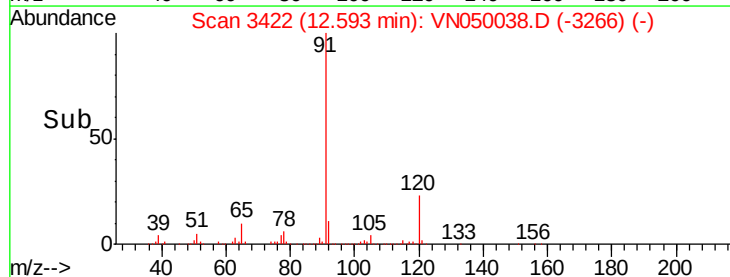
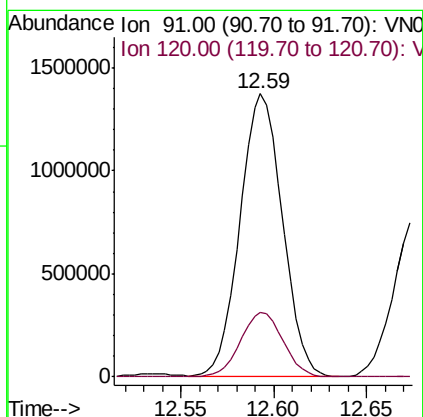
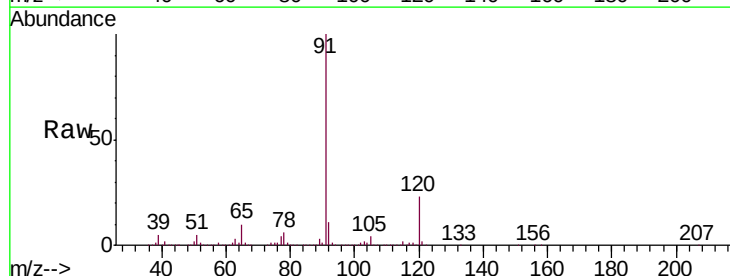
Manual Integrations
APPROVED

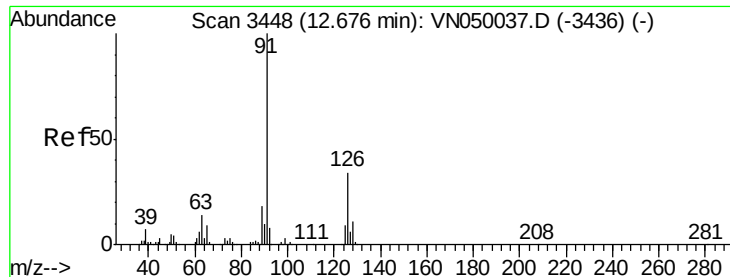
MMDadoda
7/26/2018 3:53:49 PM



#74
n-propylbenzene
Concen: 49.54 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2183479		
120	22.9	0.0	46.4		





#75

2-Chlorotoluene

Concen: 49.41 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 91 Resp: 1302942

Ion Ratio Lower Upper

91 100

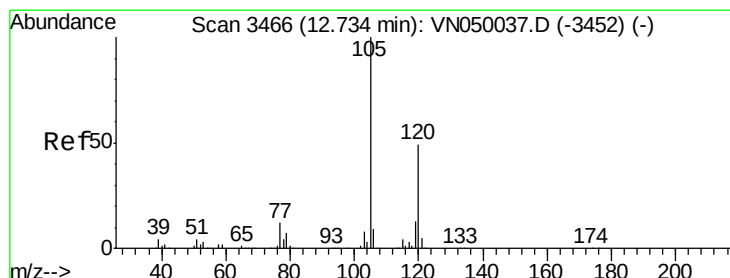
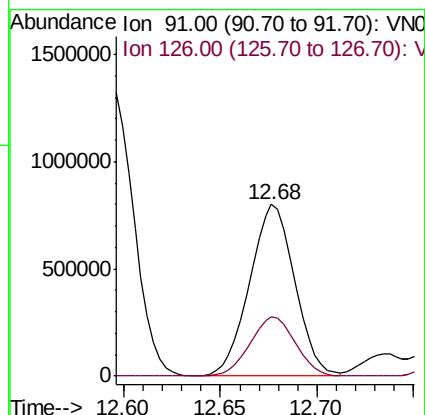
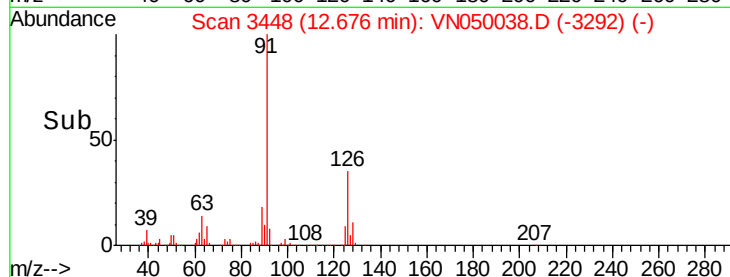
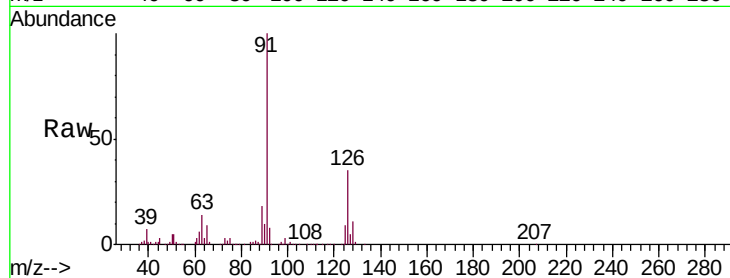
126 34.7 0.0 68.6

Manual Integrations

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7/26/2018 3:53:49 PM



#76

1,3,5-Trimethylbenzene

Concen: 49.62 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050038.D

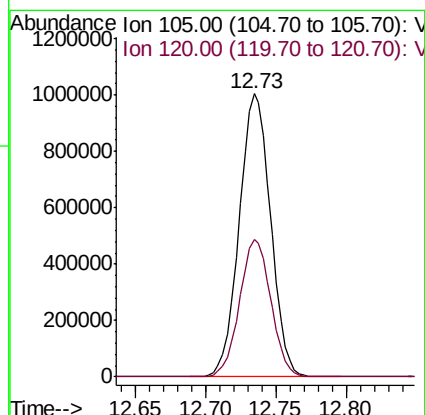
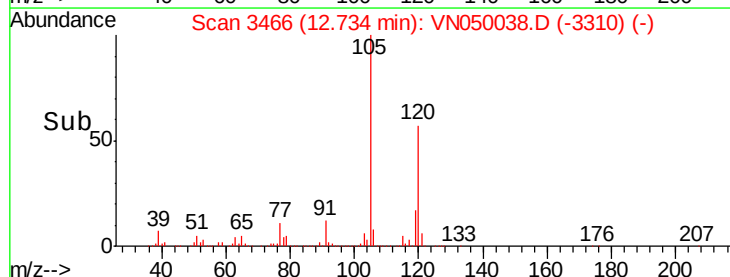
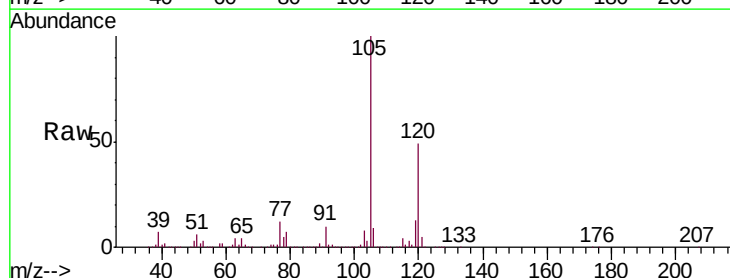
Acq: 25 Jul 2018 9:21

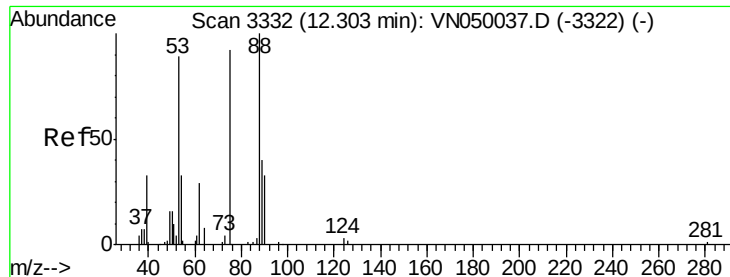
Tgt Ion: 105 Resp: 1565234

Ion Ratio Lower Upper

105 100

120 48.4 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 54.58 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

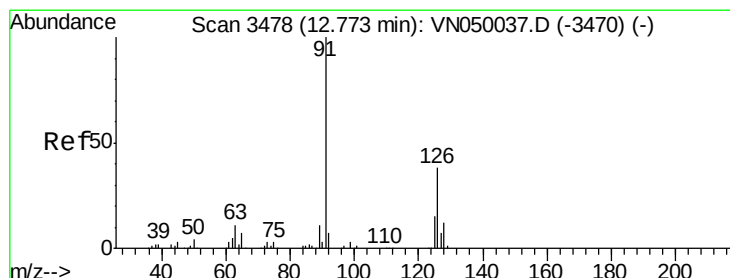
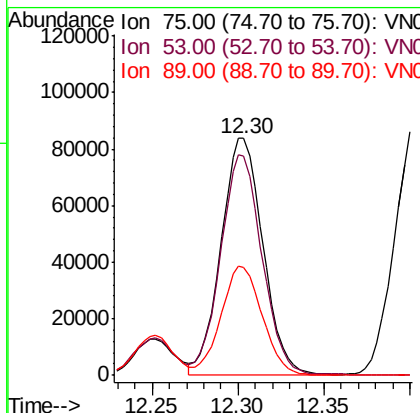
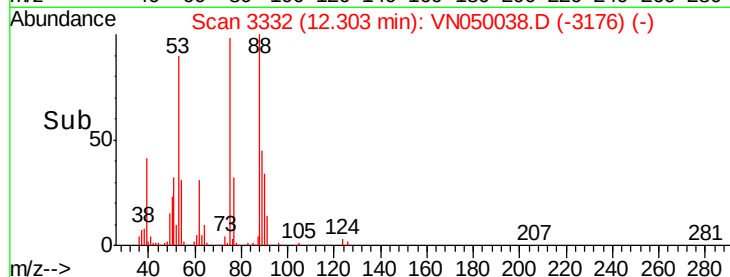
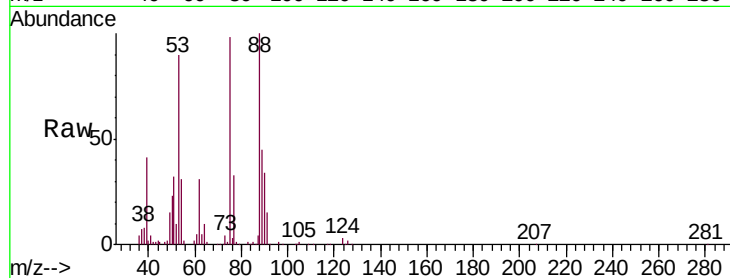
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	142740
Ion	Ratio	Lower	Upper
75	100		
53	92.1	44.6	134.0
89	45.7	20.7	62.1

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#78

4-Chlorotoluene

Concen: 49.69 ug/l

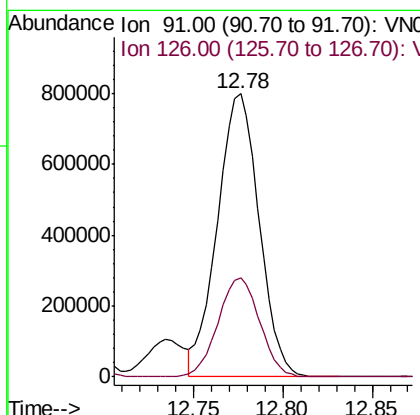
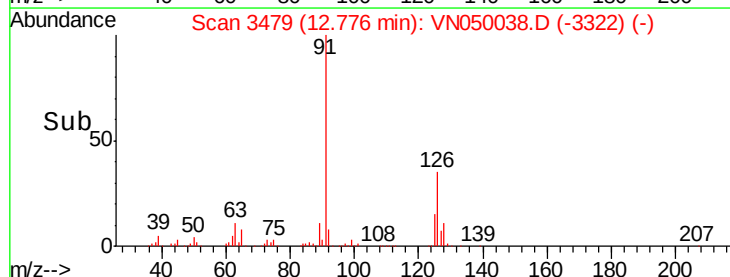
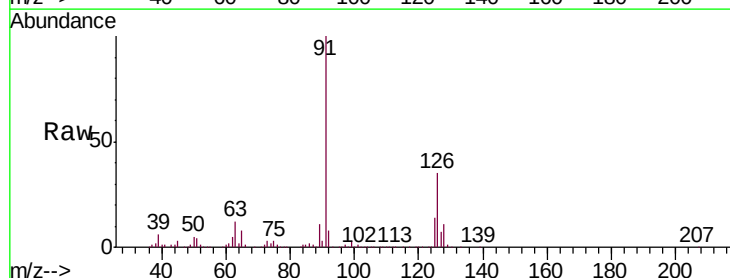
RT: 12.78 min Scan# 3479

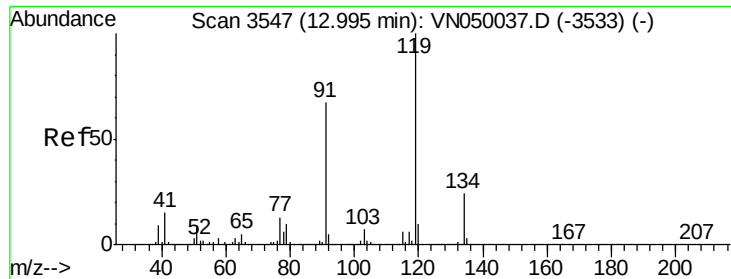
Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Tgt Ion:	91	Resp:	1296247
Ion	Ratio	Lower	Upper
91	100		
126	34.9	0.0	68.4





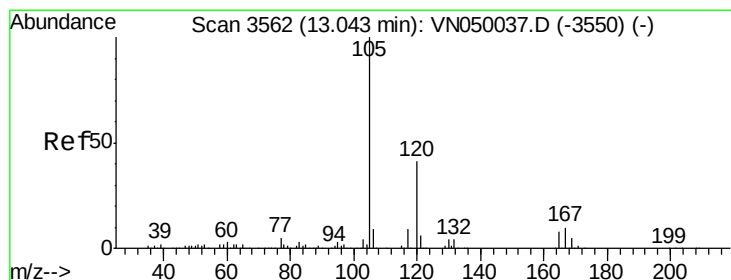
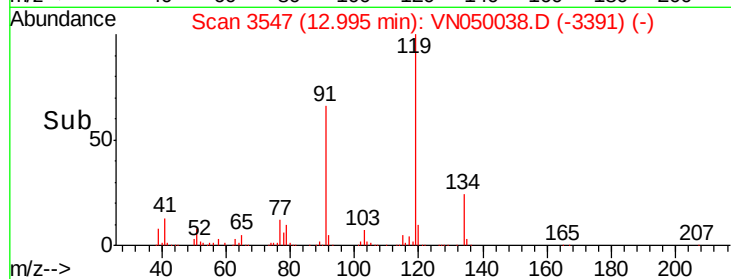
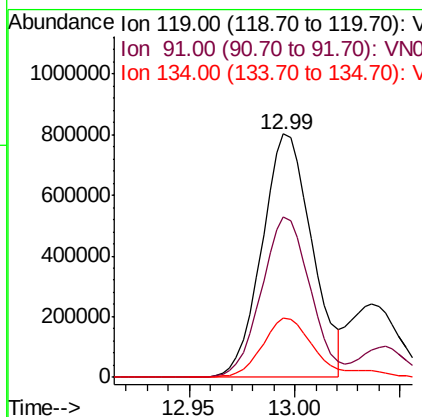
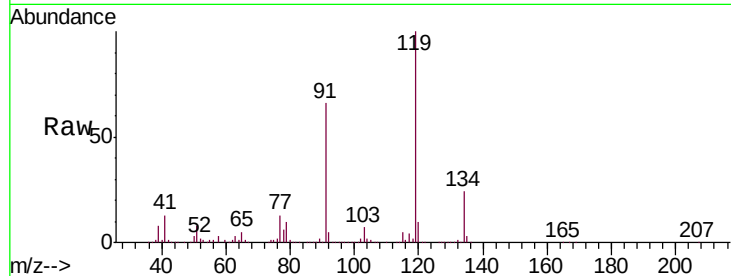
#79
tert-butylbenzene
Concen: 50.61 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	0.0	126.8
134	24.6	0.0	47.4

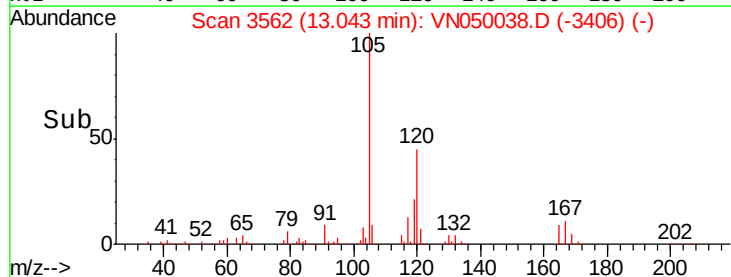
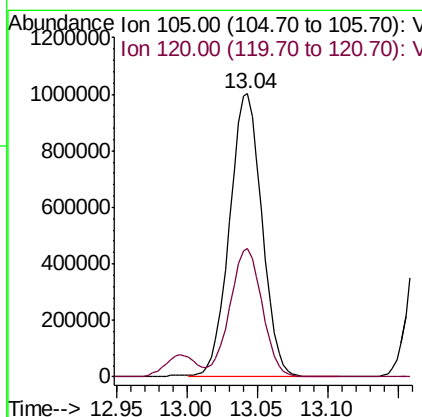
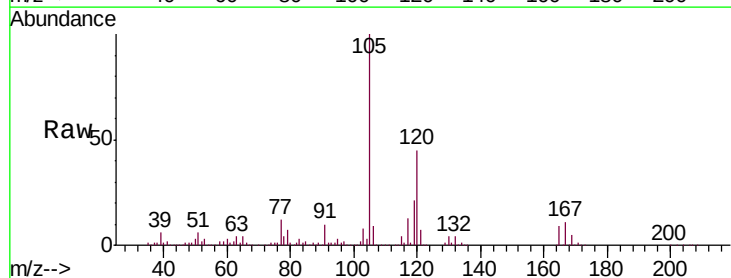
Manual Integrations
APPROVED

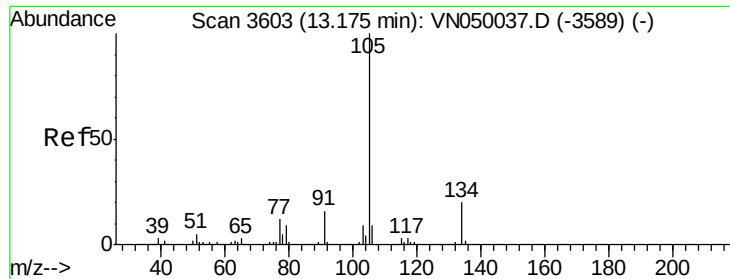
MMDadoda
7/26/2018 3:53:49 PM



#80
1,2,4-Trimethylbenzene
Concen: 50.25 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	0.0	90.6





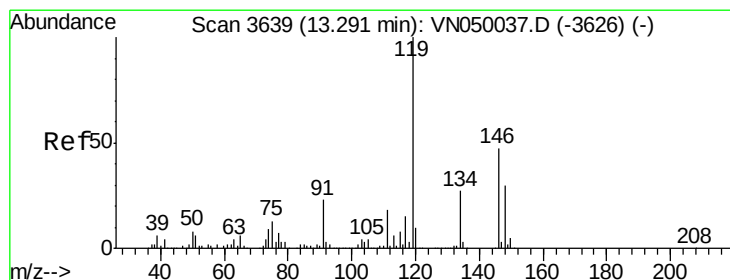
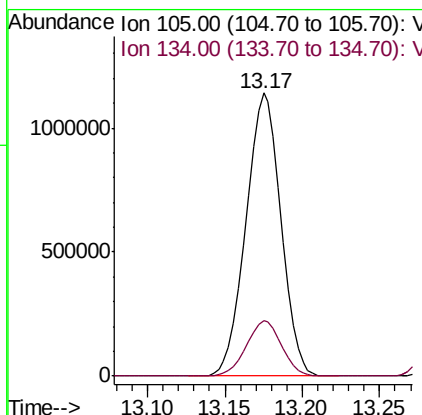
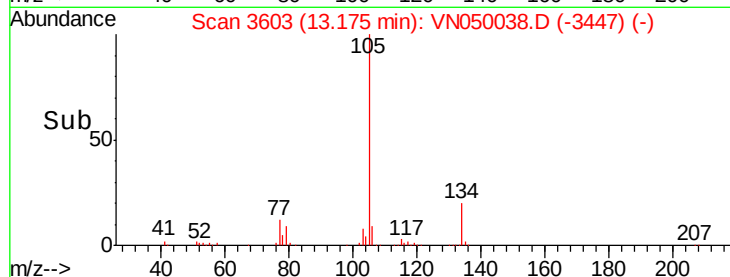
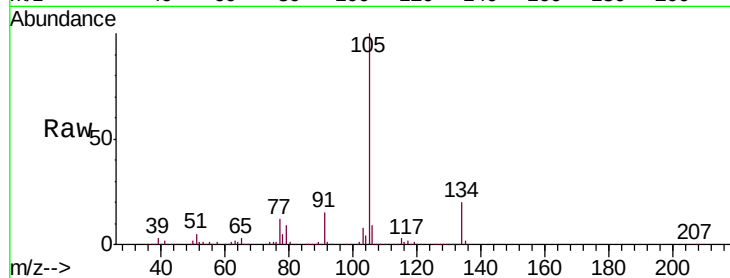
#81
 sec-Butylbenzene
 Concen: 49.60 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion:105 Resp: 1795383
 Ion Ratio Lower Upper
 105 100
 134 19.8 0.0 40.6

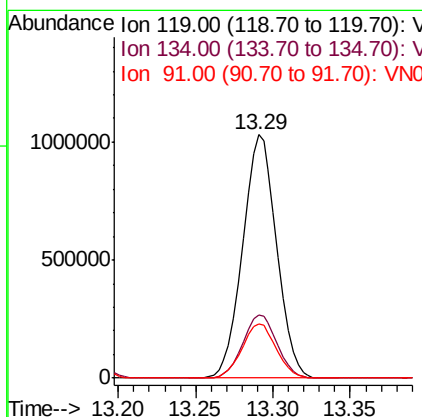
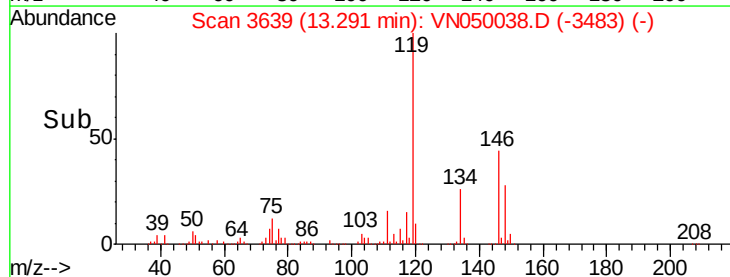
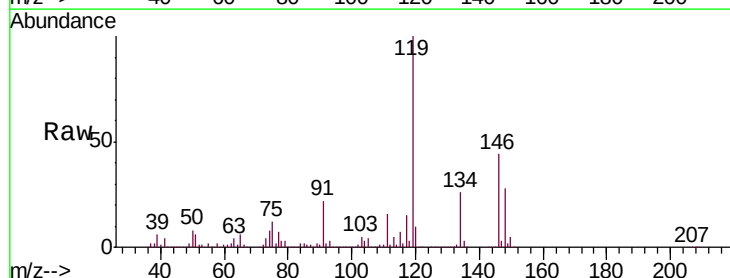
Manual Integrations
 APPROVED

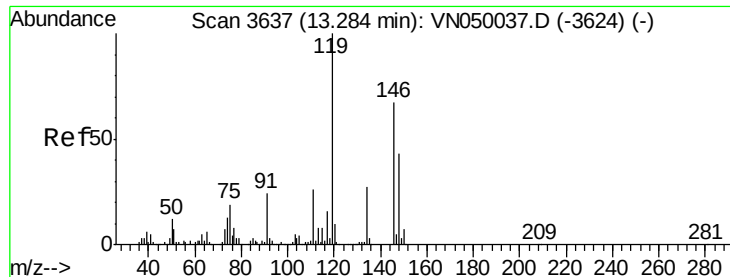
MMDadoda
 7/26/2018 3:53:49 PM



#82
 p-Isopropyltoluene
 Concen: 50.83 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Tgt Ion:119 Resp: 1565876
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 52.2
 91 22.5 0.0 45.6





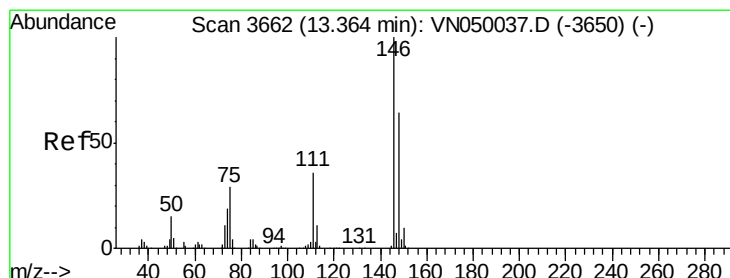
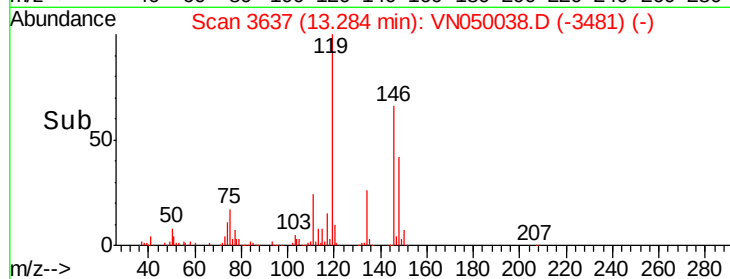
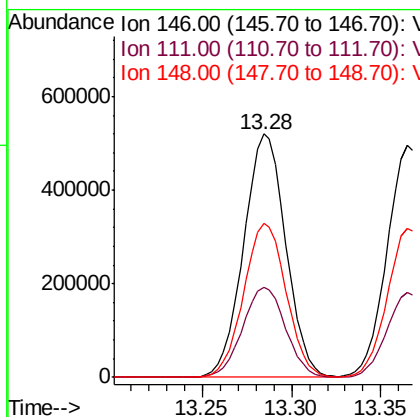
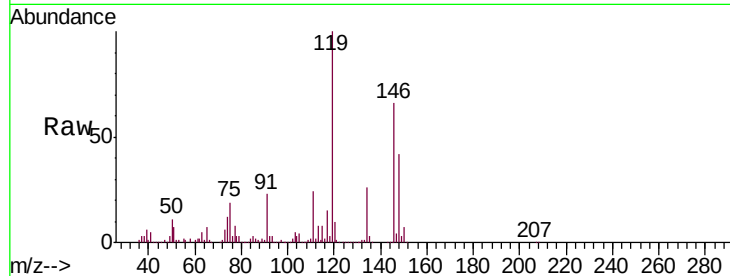
#83
1,3-Dichlorobenzene
Concen: 49.70 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	63.9	31.9	95.9

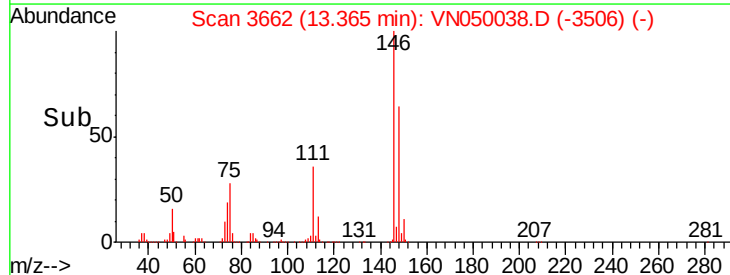
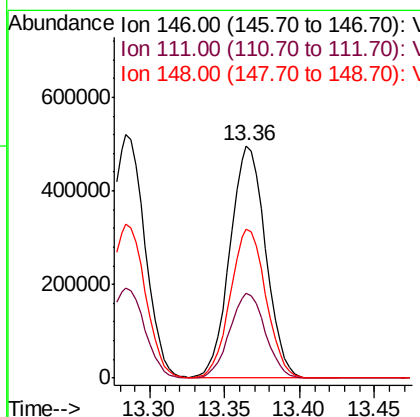
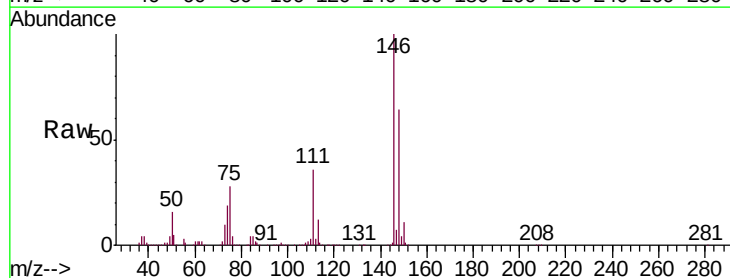
Manual Integrations
APPROVED

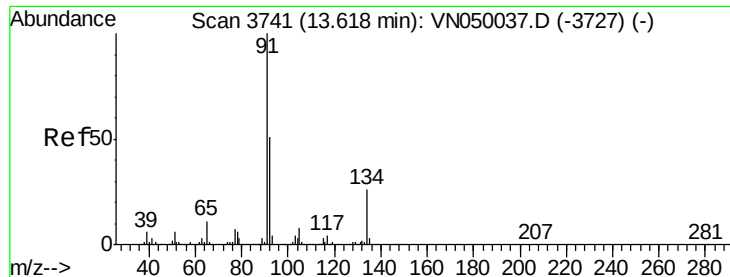
MMDadoda
7/26/2018 3:53:49 PM



#84
1,4-Dichlorobenzene
Concen: 50.54 ug/l
RT: 13.36 min Scan# 3662
Delta R.T. 0.00 min
Lab File: VN050038.D
Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	17.9	53.8
148	64.2	32.4	97.0





#85

n-Butylbenzene

Concen: 53.15 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 1274801

Ion Ratio Lower Upper

91 100

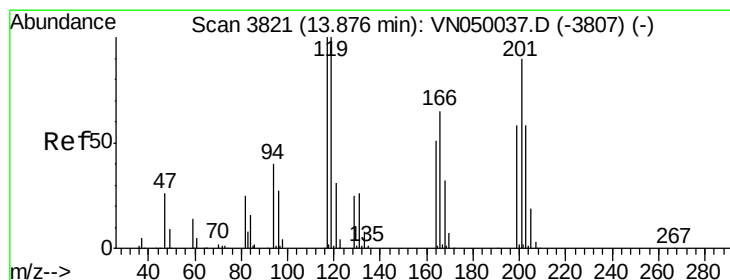
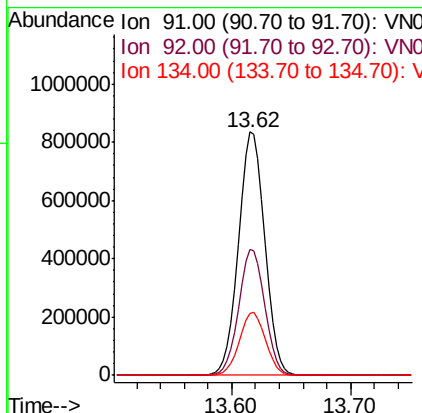
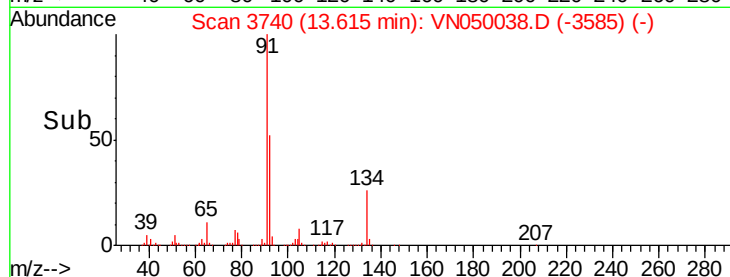
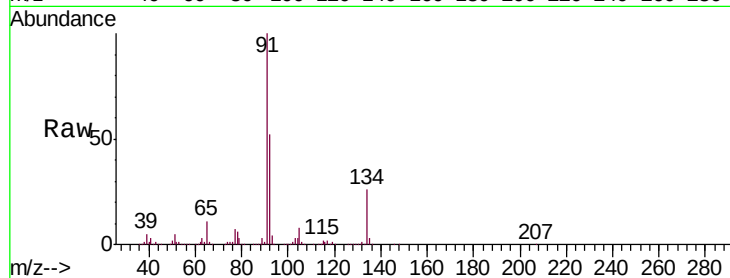
92 51.2 0.0 102.8

134 25.8 0.0 51.0

Manual Integrations
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7/26/2018 3:53:49 PM



#86

Hexachloroethane

Concen: 47.51 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050038.D

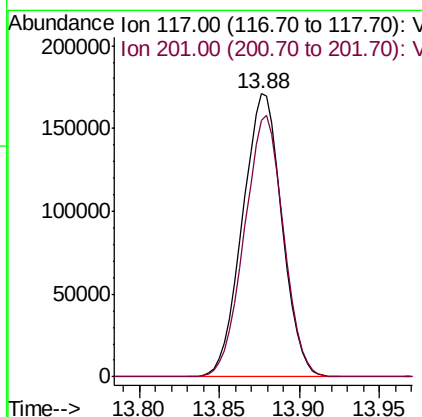
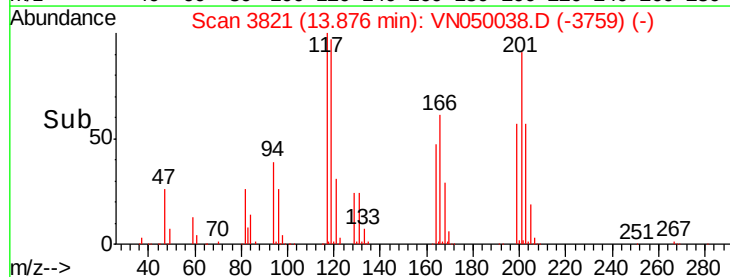
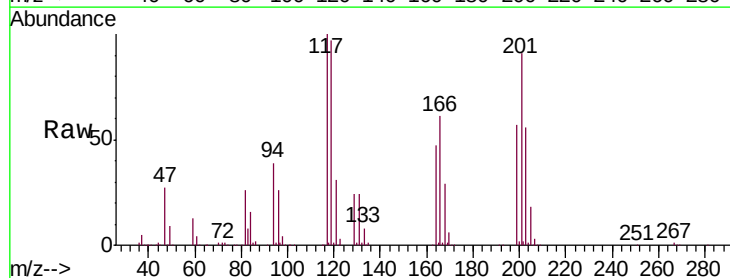
Acq: 25 Jul 2018 9:21

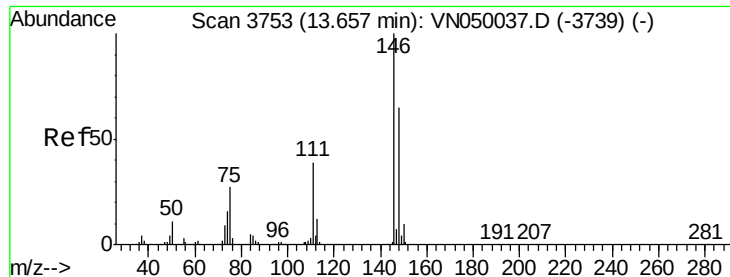
Tgt Ion: 117 Resp: 288522

Ion Ratio Lower Upper

117 100

201 91.9 46.6 139.7





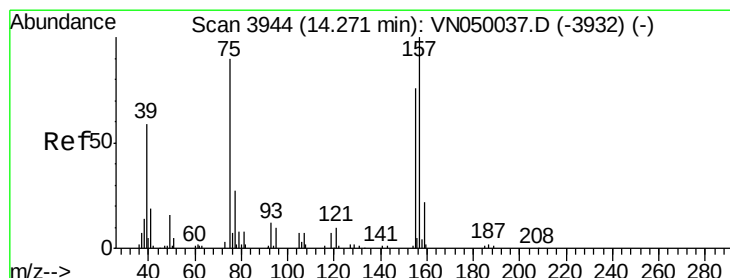
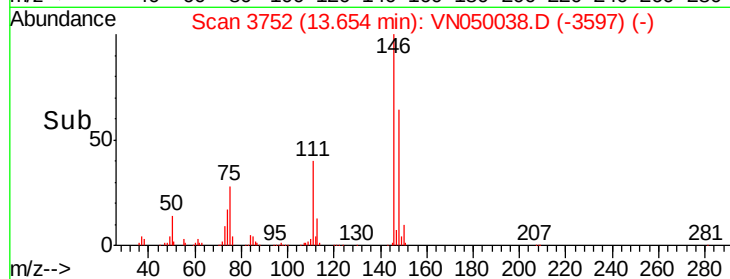
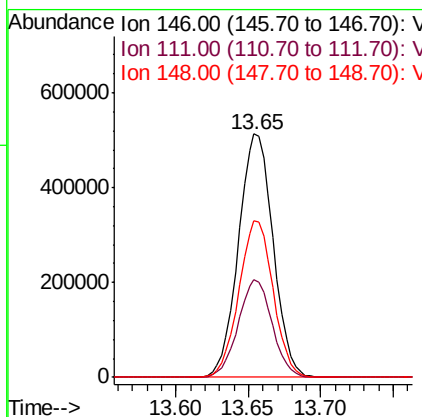
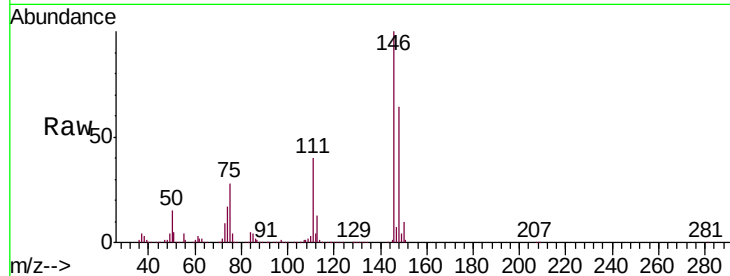
#87
 1,2-Dichlorobenzene
 Concen: 49.38 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	63.7	31.8	95.3

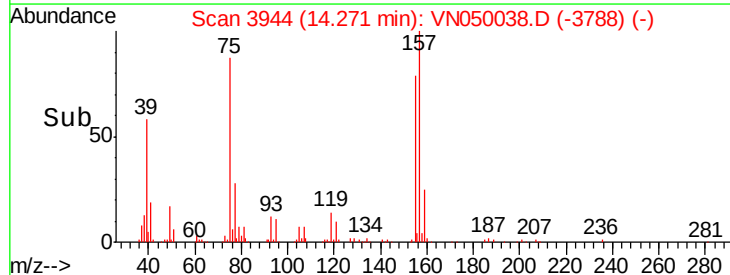
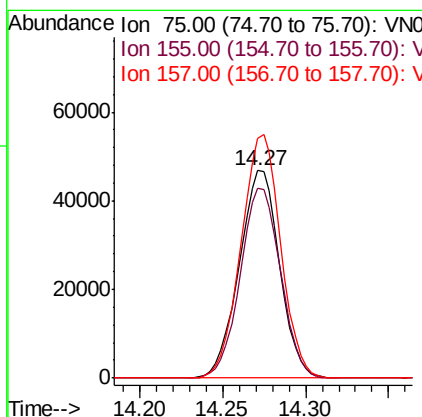
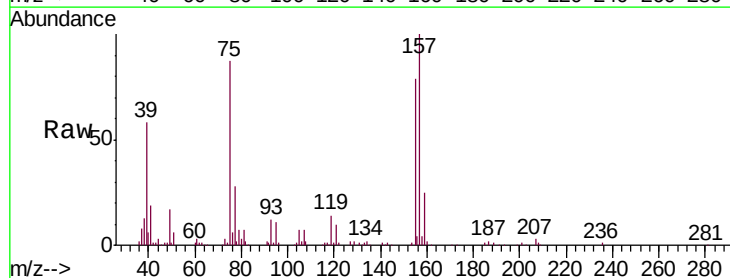
Manual Integrations
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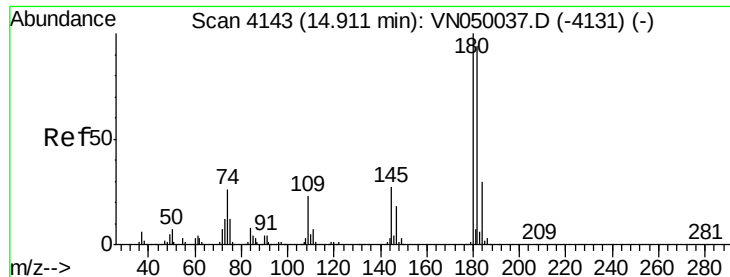
MMDadoda
 7/26/2018 3:53:49 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 50.86 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	73.0	109.6
157	115.1	94.9	142.3





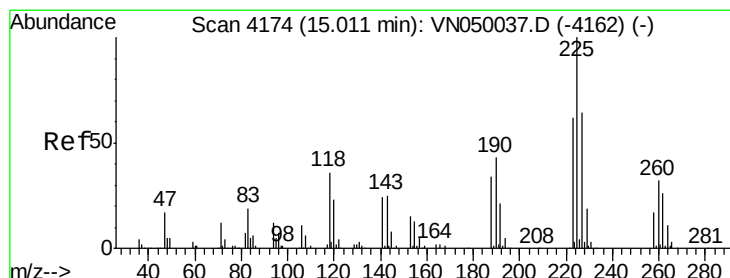
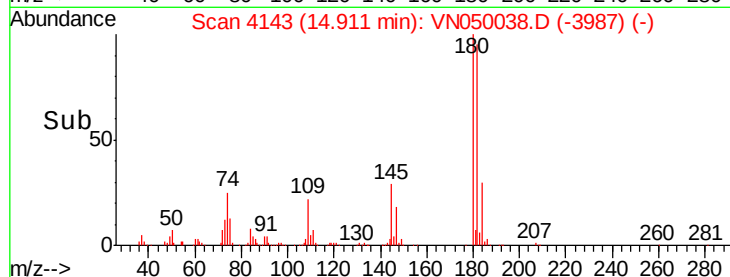
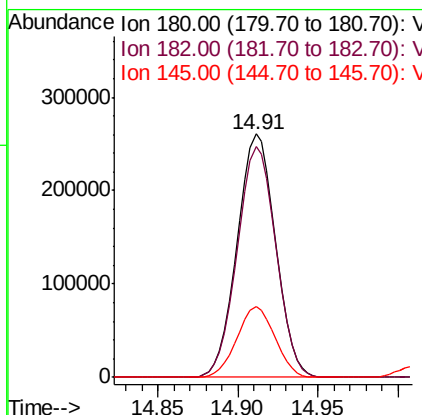
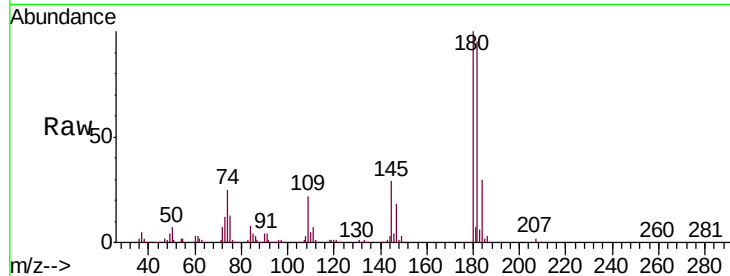
#89
 1,2,4-Trichlorobenzene
 Concen: 56.84 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	425721		
182	95.6	76.7	115.1	
145	28.8	23.4	35.0	

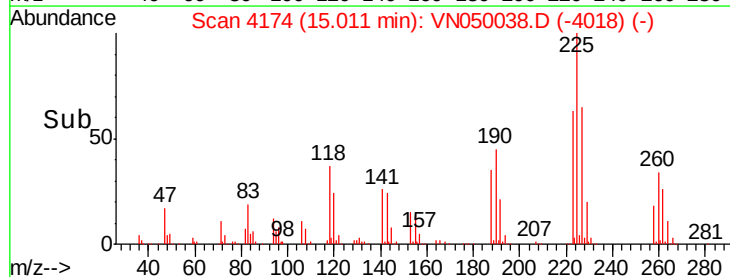
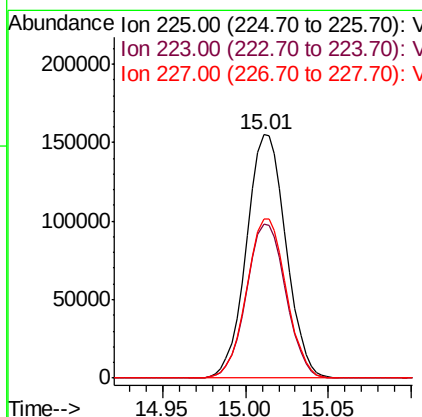
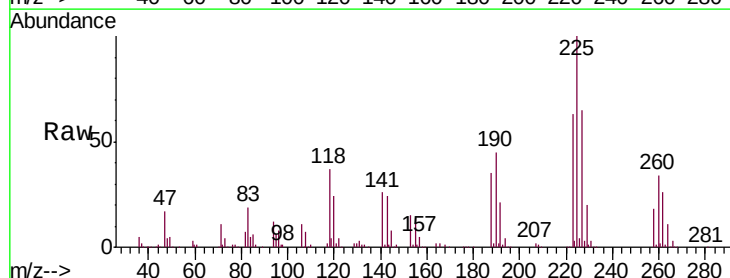
Manual Integrations
 APPROVED

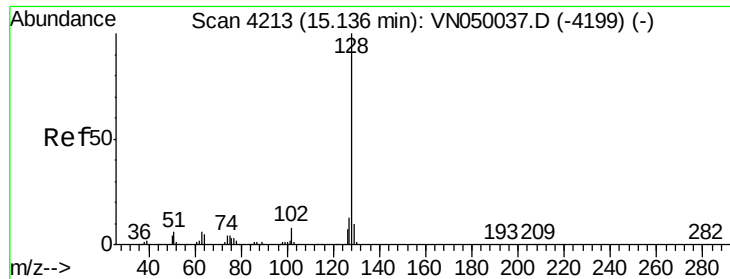
MMDadoda
 7/26/2018 3:53:49 PM



#90
 Hexachlorobutadiene
 Concen: 45.93 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050038.D
 Acq: 25 Jul 2018 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	257432		
223	63.4	0.0	124.4	
227	65.4	0.0	133.0	





#91

Naphthalene

Concen: 64.07 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Instrument :

MSVOA_N

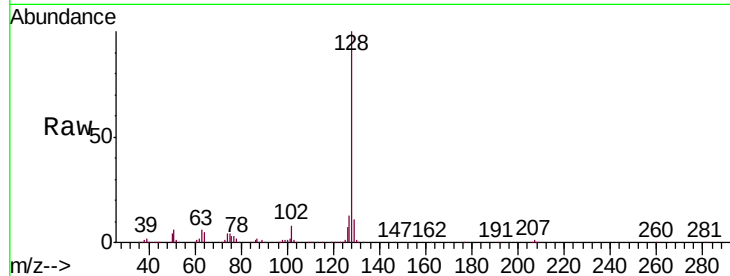
ClientSampleId :

VSTDIC050

Tot Ion:	128	Resp:	943894
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	11.0	9.0	13.4

Manual Integrations
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7/26/2018 3:53:49 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.14

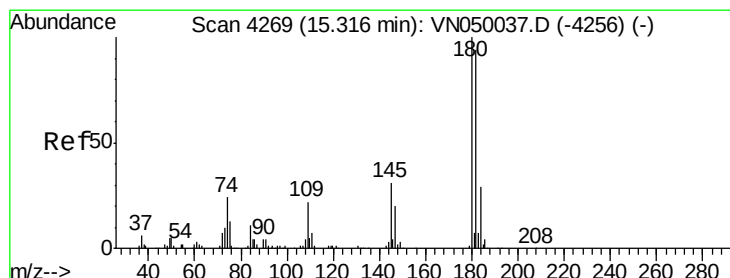
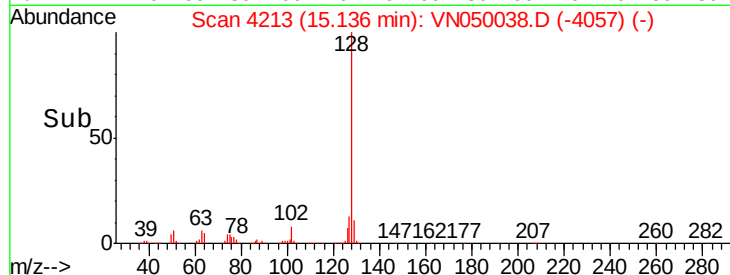
600000

400000

200000

0

Time-->



#92

1,2,3-Trichlorobenzene

Concen: 53.99 ug/l

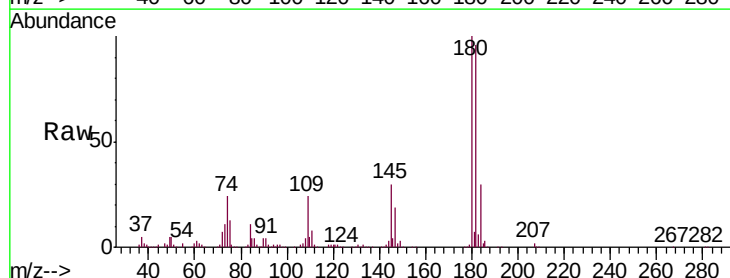
RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050038.D

Acq: 25 Jul 2018 9:21

Tgt Ion:	180	Resp:	425121
Ion Ratio	Lower	Upper	
180	100		
182	97.1	0.0	188.8
145	30.3	0.0	60.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

15.32

300000

250000

200000

150000

100000

50000

0

Time-->

