

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049815.D
 Acq On : 13 Jul 2018 23:56
 Operator : MD\SY
 Sample : VN0713WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:02:49 AM

Quant Time: Jul 14 01:52:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1101092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1655051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1481365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	748153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	655728	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
35) Dibromofluoromethane	7.59	113	636960	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.09	98	2076081	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.40	95	725987	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	186369	18.72	ug/l	97
3) Chloromethane	2.06	50	250742	19.16	ug/l	99
4) Vinyl Chloride	2.18	62	283544	19.91	ug/l	97
5) Bromomethane	2.57	94	173154	19.25	ug/l	99
6) Chloroethane	2.71	64	185637	18.95	ug/l	100
7) Trichlorofluoromethane	3.02	101	400090	19.16	ug/l	98
8) Diethyl Ether	3.42	74	136520	18.25	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	251680	18.57	ug/l	99
10) Methyl Iodide	3.96	142	314854	18.28	ug/l	98
11) Tert butyl alcohol	4.80	59	75579	88.16	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	221632	18.61	ug/l	97
13) Acrolein	3.61	56	54785	72.76	ug/l	97
14) Allyl chloride	4.33	41	342616	17.63	ug/l	98
15) Acrylonitrile	5.00	53	399331	93.01	ug/l	99
16) Acetone	3.82	43	286077	89.41	ug/l	98
17) Carbon Disulfide	4.06	76	562226	18.16	ug/l	99
18) Methyl Acetate	4.33	43	225989	20.69	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	616440	18.66	ug/l	99
20) Methylene Chloride	4.55	84	272799	20.21	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	236037	18.14	ug/l	100
22) Diisopropyl ether	5.96	45	797723	19.99	ug/l	98
23) Vinyl Acetate	5.90	43	2487274	92.99	ug/l	100
24) 1,1-Dichloroethane	5.85	63	483032	19.26	ug/l	100
25) 2-Butanone	6.84	43	441667	88.48	ug/l	98
26) 2,2-Dichloropropane	6.83	77	318230	15.29	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	281081	18.88	ug/l	97
28) Bromochloromethane	7.20	49	226210	19.83	ug/l	97
29) Tetrahydrofuran	7.22	42	283627	90.49	ug/l	99
30) Chloroform	7.38	83	504888	19.54	ug/l	98
31) Cyclohexane	7.66	56	370241	18.39	ug/l	96
32) 1,1,1-Trichloroethane	7.58	97	417562	19.03	ug/l	98
36) 1,1-Dichloropropene	7.80	75	342235	17.94	ug/l	99
37) Ethyl Acetate	6.93	43	208202	18.44	ug/l	98
38) Carbon Tetrachloride	7.78	117	367540	18.43	ug/l	98

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 Sample : VN0713WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:02:49 AM

Quant Time: Jul 14 01:52:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	335994	16.71	ug/l	100
40) Benzene	8.04	78	1077631	18.89	ug/l	99
41) Methacrylonitrile	7.18	41	98284	15.39	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	347414	18.62	ug/l	99
43) Isopropyl Acetate	8.17	43	462952	22.81	ug/l	94
44) Trichloroethene	8.84	130	278463	18.13	ug/l	99
45) 1,2-Dichloropropane	9.12	63	289513	18.88	ug/l	99
46) Dibromomethane	9.21	93	169535	18.62	ug/l	98
47) Bromodichloromethane	9.41	83	378156	18.86	ug/l	99
48) Methyl methacrylate	9.20	41	184102	18.15	ug/l	98
49) 1,4-Dioxane	9.20	88	46748	351.66	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1039296	94.33	ug/l	100
52) Toluene	10.16	92	658401	19.28	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	341512	17.70	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	403095	18.35	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	247074	18.70	ug/l	96
56) Ethyl methacrylate	10.43	69	279269	18.12	ug/l	98
57) 1,3-Dichloropropane	10.71	76	404197	18.58	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	682600	92.34	ug/l	100
59) 2-Hexanone	10.75	43	645893	88.18	ug/l	98
60) Dibromochloromethane	10.90	129	284522	19.02	ug/l	99
61) 1,2-Dibromoethane	11.01	107	230543	18.55	ug/l	100
64) Tetrachloroethene	10.63	164	253111	18.82	ug/l	99
65) Chlorobenzene	11.44	112	725050	18.79	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	282057	19.43	ug/l	99
67) Ethyl Benzene	11.51	91	1183375	18.73	ug/l	99
68) m/p-Xylenes	11.62	106	916437	38.64	ug/l	100
69) o-Xylene	11.95	106	439206	19.17	ug/l	98
70) Styrene	11.97	104	717010	19.70	ug/l	100
71) Bromoform	12.13	173	187013	19.06	ug/l #	98
73) Isopropylbenzene	12.25	105	1192573	19.18	ug/l	99
74) N-amyl acetate	12.07	43	297514	18.39	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	302217	19.91	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	226168m	17.02	ug/l	
77) Bromobenzene	12.53	156	311177	18.87	ug/l	97
78) n-propylbenzene	12.59	91	1331444	18.99	ug/l	100
79) 2-Chlorotoluene	12.68	91	828267	19.31	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	965149	19.53	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	70006	17.01	ug/l	98
82) 4-Chlorotoluene	12.78	91	812380	19.09	ug/l	98
83) tert-Butylbenzene	12.99	119	838428	18.96	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	985003	19.88	ug/l	100
85) sec-Butylbenzene	13.17	105	1122140	19.37	ug/l	100
86) p-Isopropyltoluene	13.29	119	941820	19.21	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	536078	18.75	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	513011	18.45	ug/l	99
89) n-Butylbenzene	13.62	91	724103	17.89	ug/l	98
90) Hexachloroethane	13.88	117	188282	19.33	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	527759	18.91	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43369	19.44	ug/l	98

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

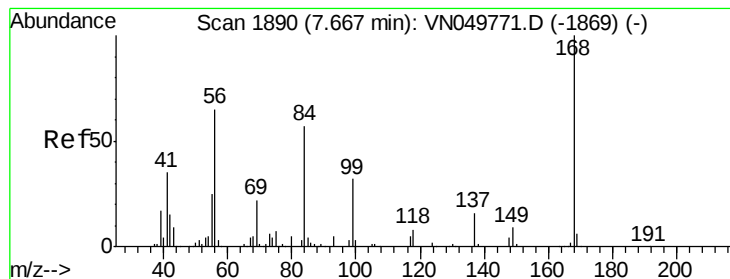
Manual Integrations
APPROVED

MMDadoda
7/16/2018 11:02:49 AM

Quant Time: Jul 14 01:52:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 12 15:51:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	229846	17.01	ug/l	99
94) Hexachlorobutadiene	15.01	225	166808	18.86	ug/l	99
95) Naphthalene	15.14	128	443331	16.35	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	242482	17.91	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS02

Tot Ion:168 Resp: 1101092

Ion Ratio Lower Upper

168 100

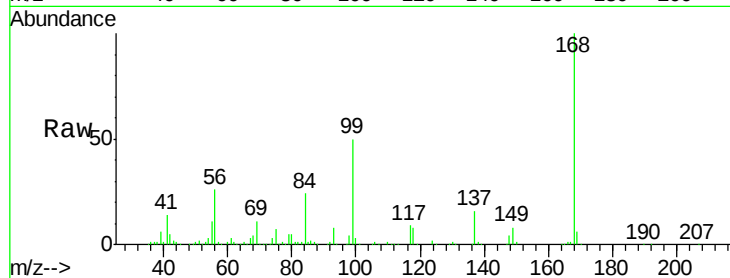
99 49.9 40.6 61.0

Manual Integrations

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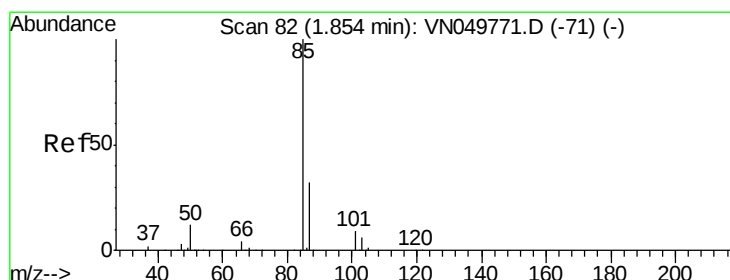
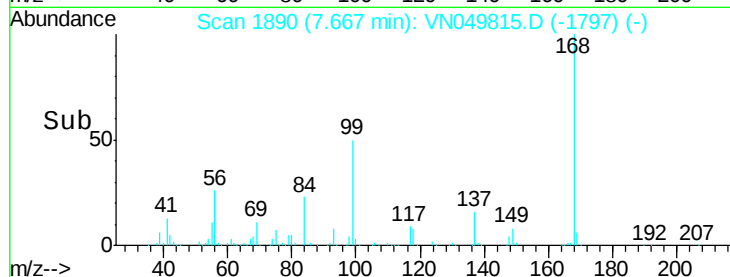
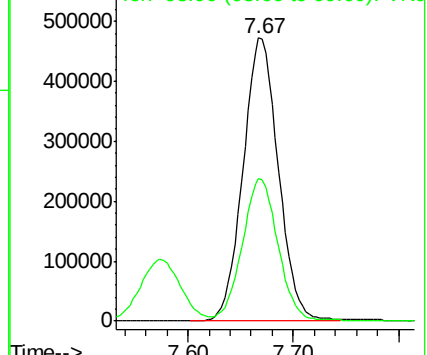
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.72 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049815.D

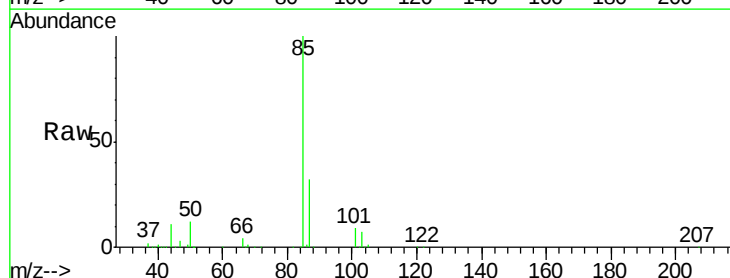
Acq: 13 Jul 2018 23:56

Tgt Ion: 85 Resp: 186369

Ion Ratio Lower Upper

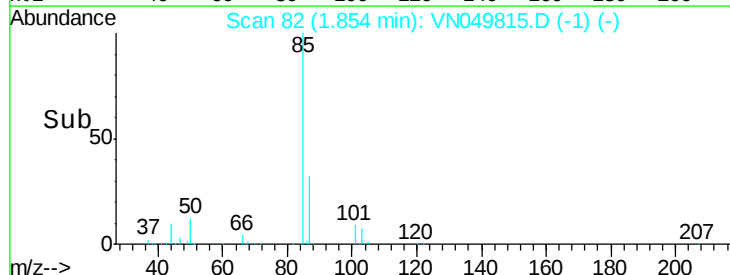
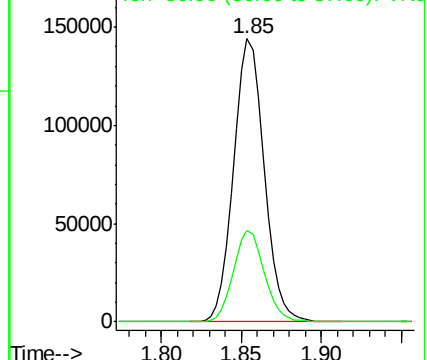
85 100

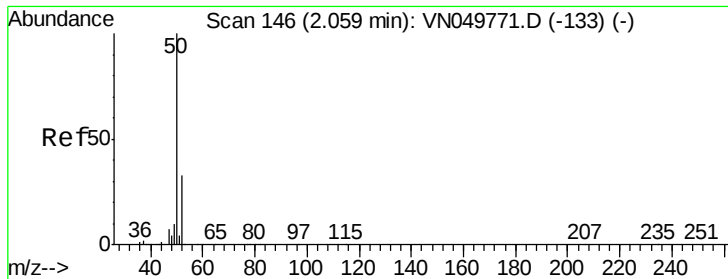
87 32.5 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.16 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS02

Tot Ion: 50 Resp: 250742

Ion Ratio Lower Upper

50 100

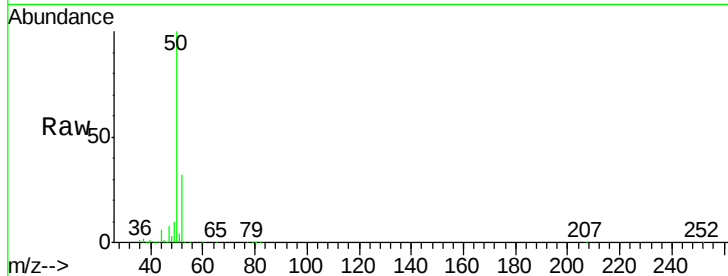
52 32.3 26.1 39.1

Manual Integrations

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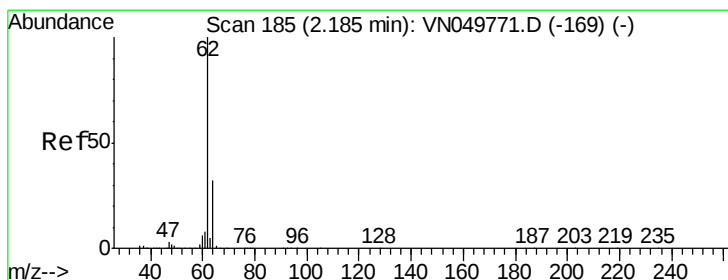
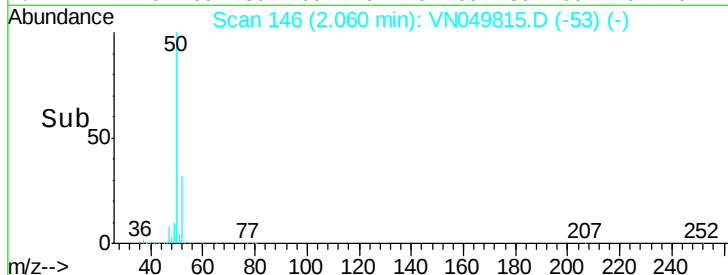
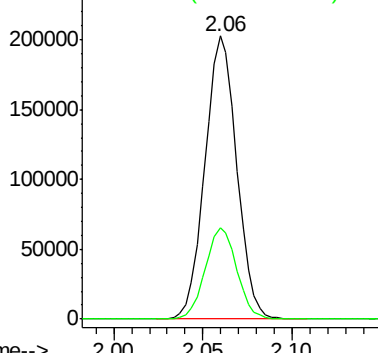
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.91 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049815.D

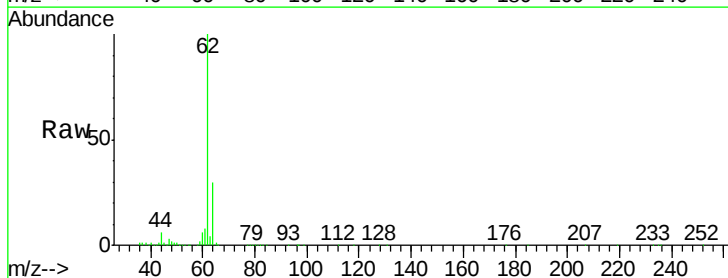
Acq: 13 Jul 2018 23:56

Tgt Ion: 62 Resp: 283544

Ion Ratio Lower Upper

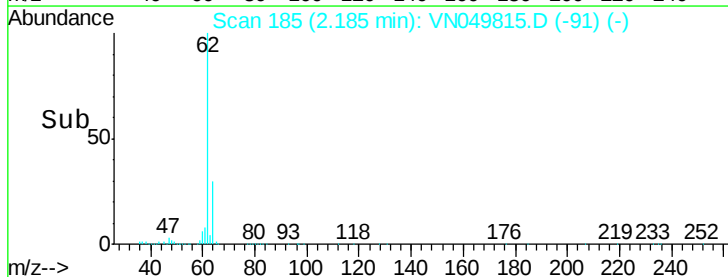
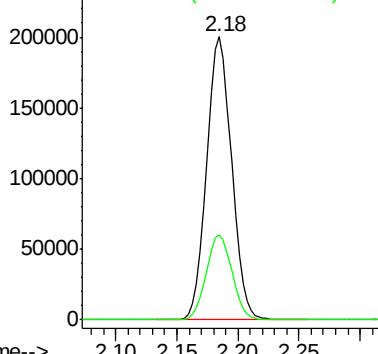
62 100

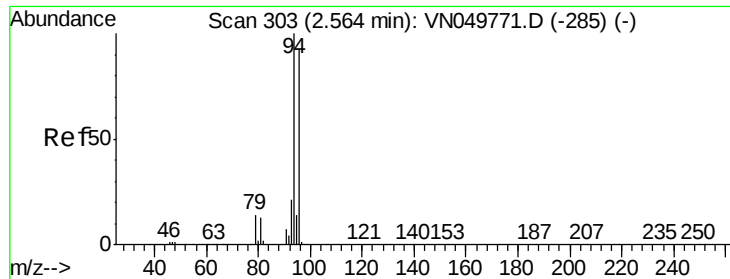
64 30.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.25 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS02

Tot Ion: 94 Resp: 173154

Ion Ratio Lower Upper

94 100

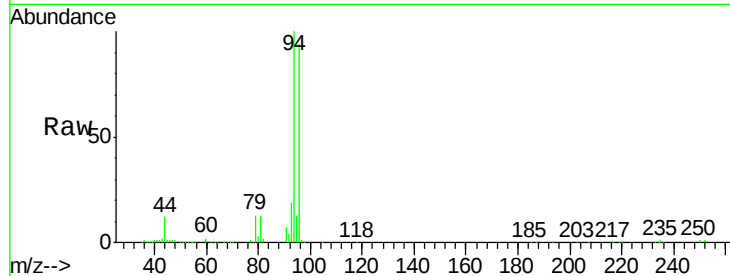
96 93.8 75.7 113.5

Manual Integrations

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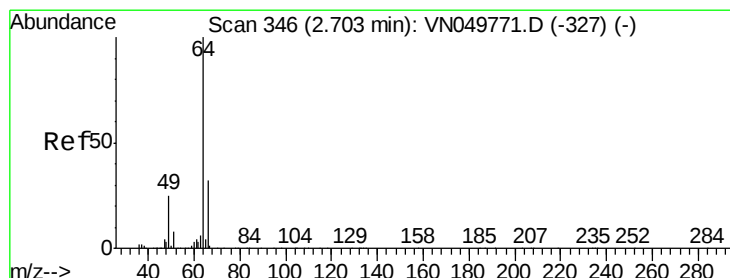
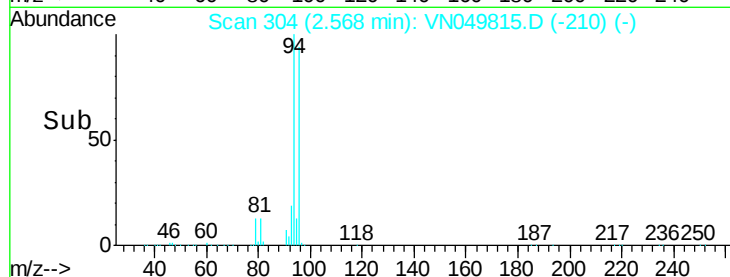
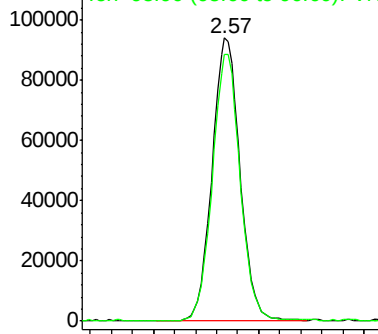
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.95 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049815.D

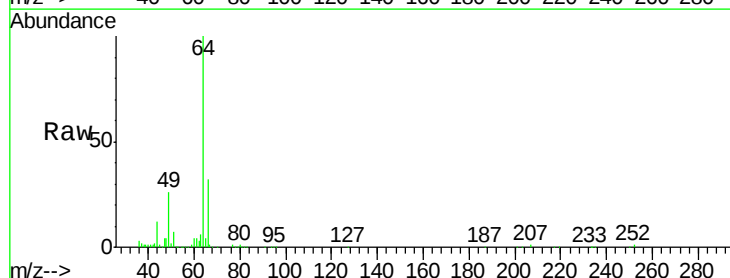
Acq: 13 Jul 2018 23:56

Tgt Ion: 64 Resp: 185637

Ion Ratio Lower Upper

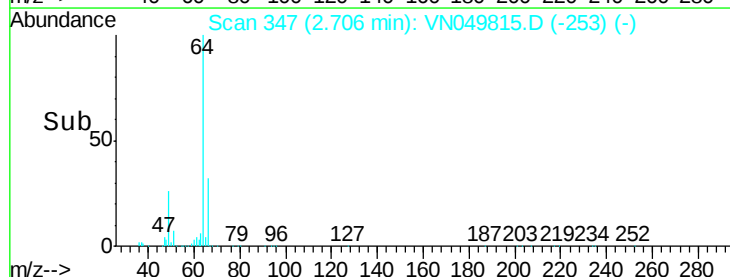
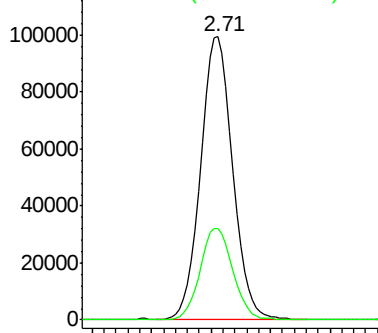
64 100

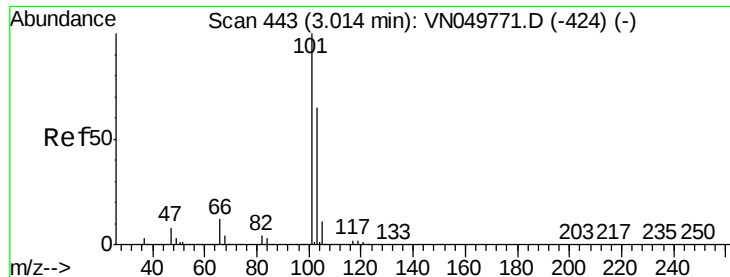
66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

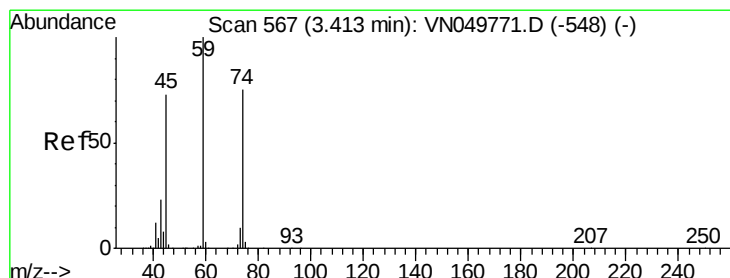
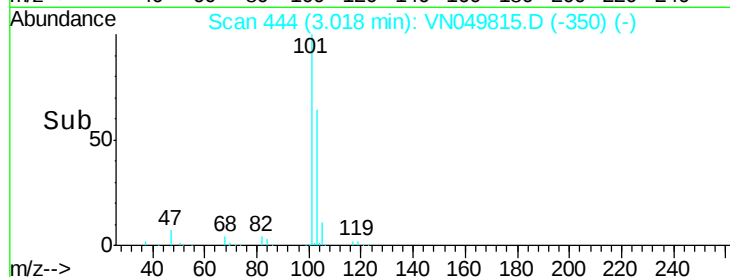
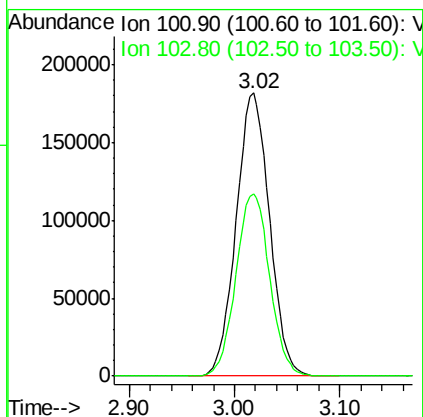
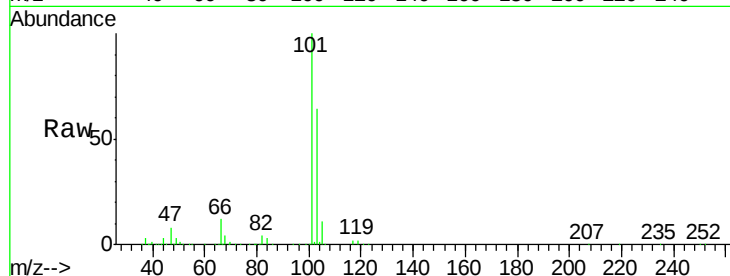
Trichlorofluoromethane
Concen: 19.16 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.8	79.2

Manual Integrations
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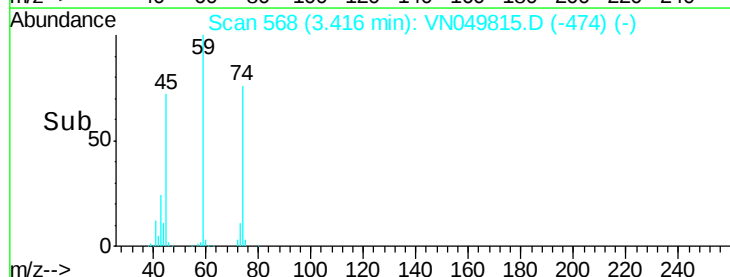
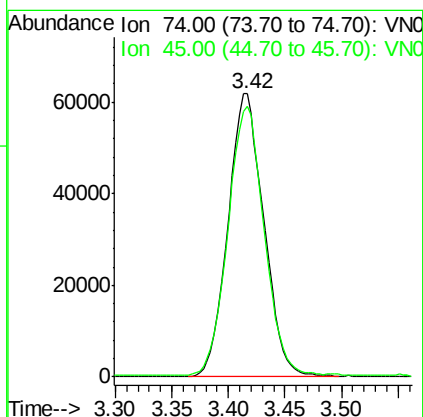
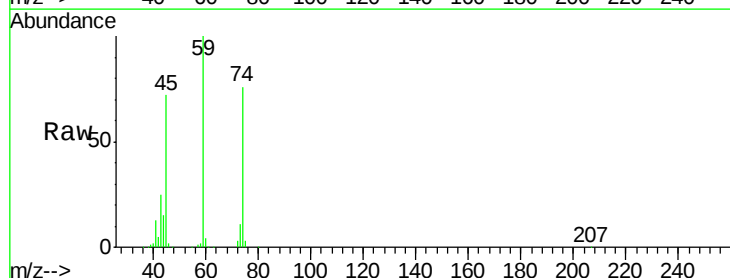
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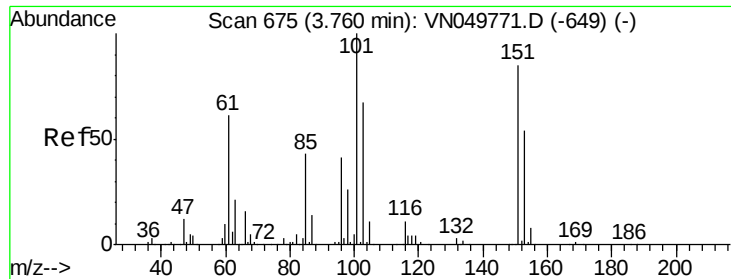


#8

Diethyl Ether
Concen: 18.25 ug/l
RT: 3.42 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	48.4	145.2





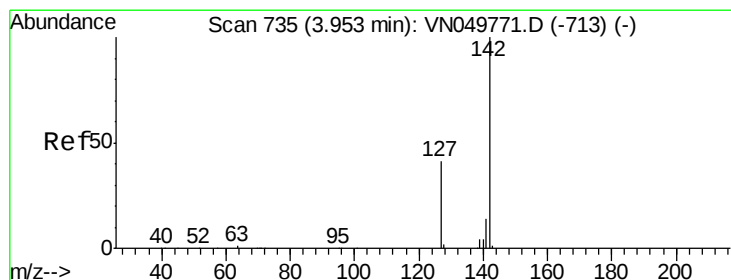
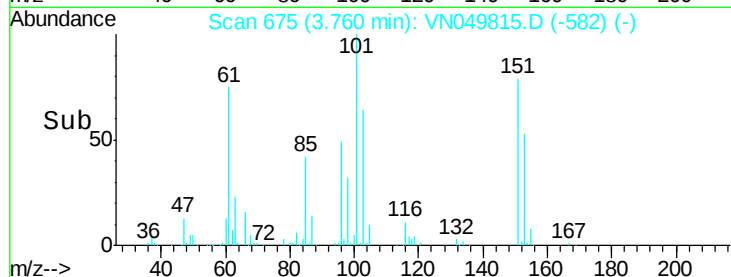
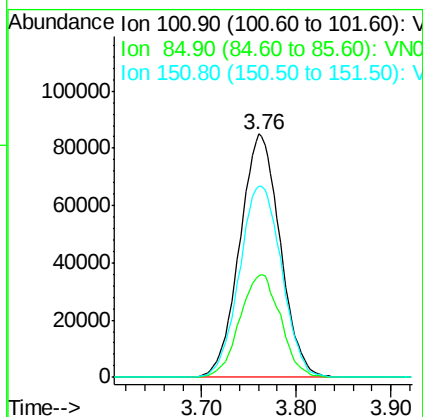
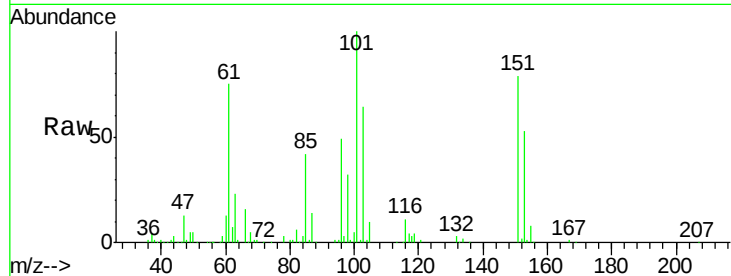
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.57 ug/l
 RT: 3.76 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0713WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.6	34.4	51.6
151	82.3	66.2	99.4

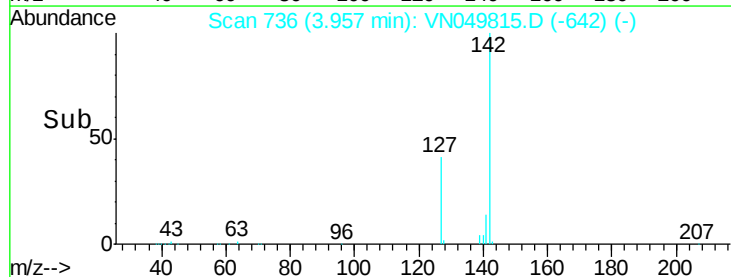
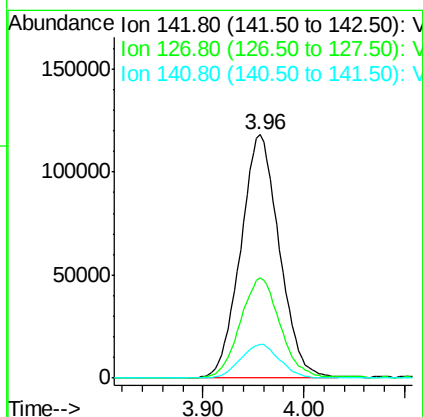
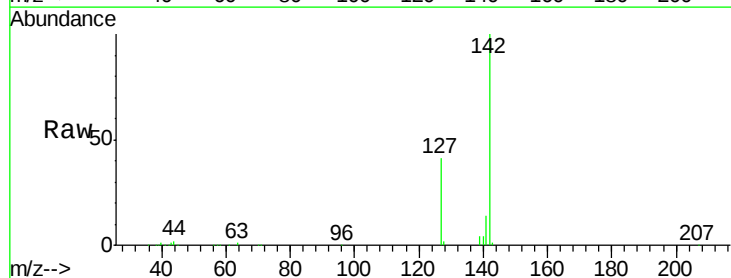
Manual Integrations
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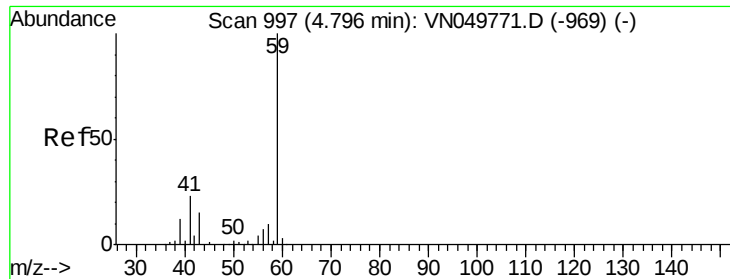
MMDadoda
 7/16/2018 11:02:49 AM



#10
 Methyl Iodide
 Concen: 18.28 ug/l
 RT: 3.96 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.4	32.5	48.7
141	14.1	11.1	16.7





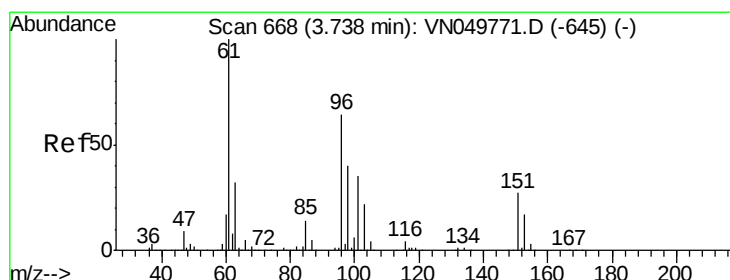
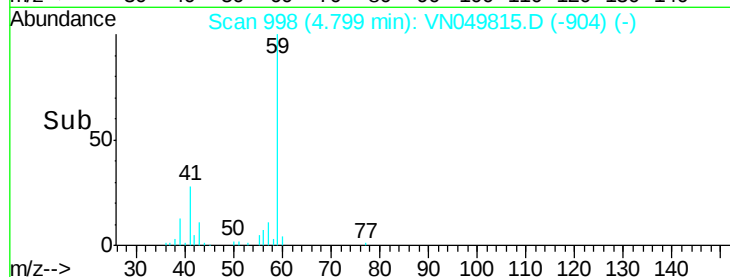
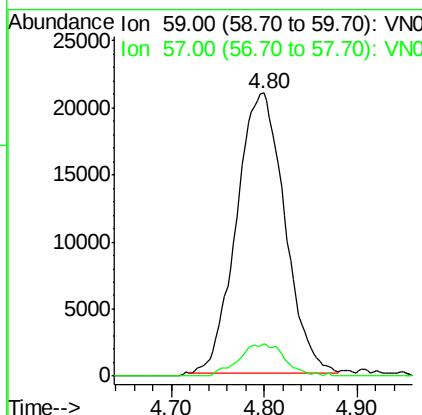
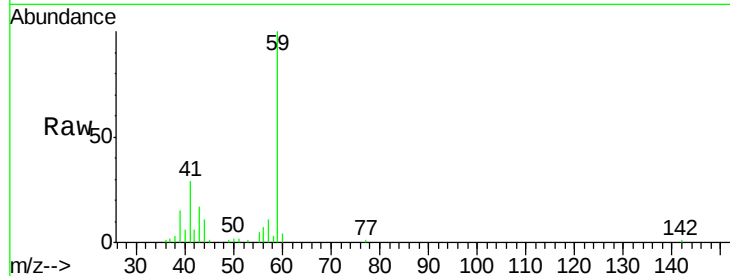
#11
Tert butyl alcohol
Concen: 88.16 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion: 59 Resp: 75579
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

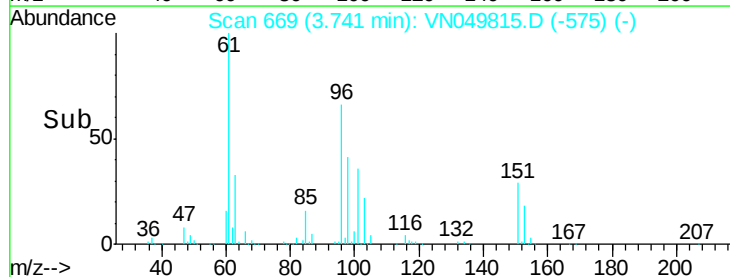
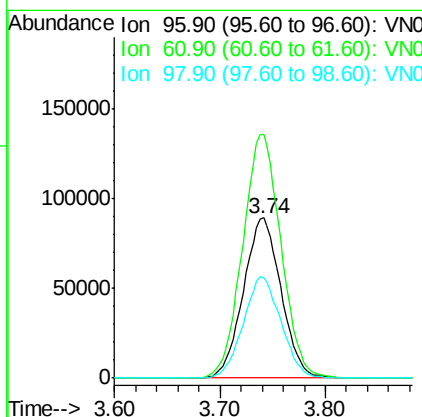
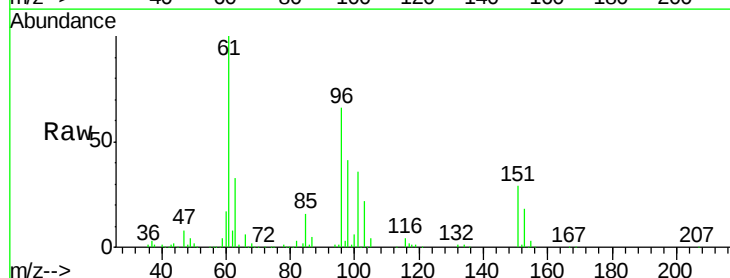
Manual Integrations
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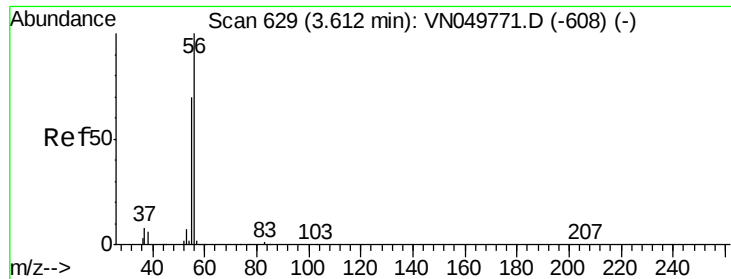
MMDadoda
7/16/2018 11:02:49 AM



#12
1,1-Dichloroethene
Concen: 18.61 ug/l
RT: 3.74 min Scan# 669
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion: 96 Resp: 221632
Ion Ratio Lower Upper
96 100
61 152.3 126.5 189.7
98 63.1 51.0 76.6





#13

Acrolein

Concen: 72.76 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

ClientSampled :

VN0713WBS02

Tot Ion: 56 Resp: 54785

Ion Ratio Lower Upper

56 100

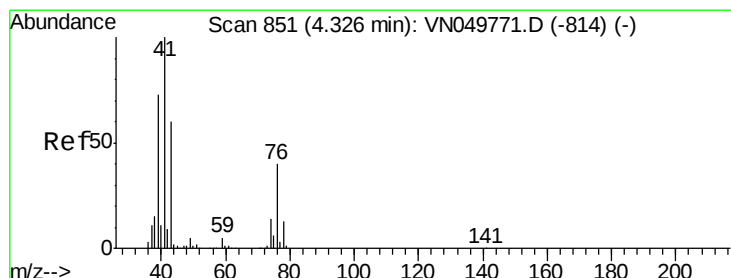
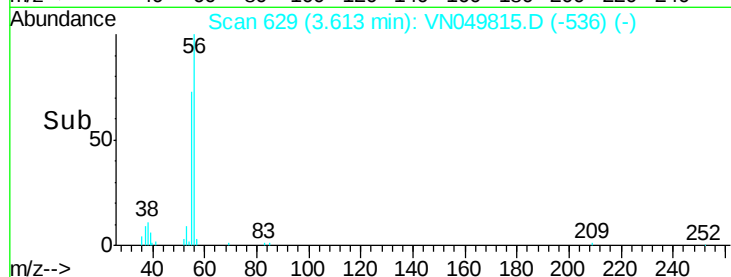
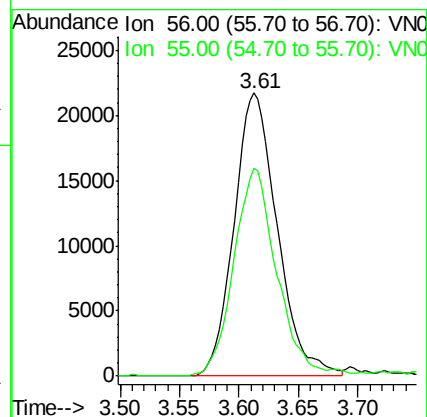
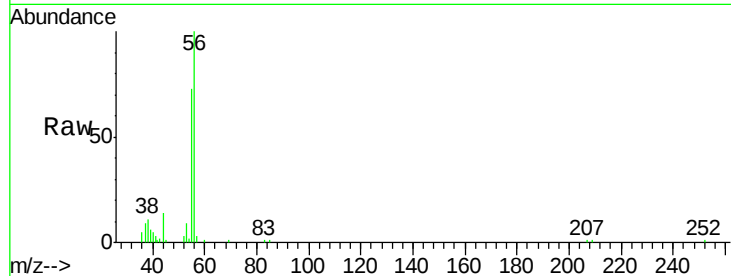
55 72.0 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

7/16/2018 11:02:49 AM



#14

Allyl chloride

Concen: 17.63 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

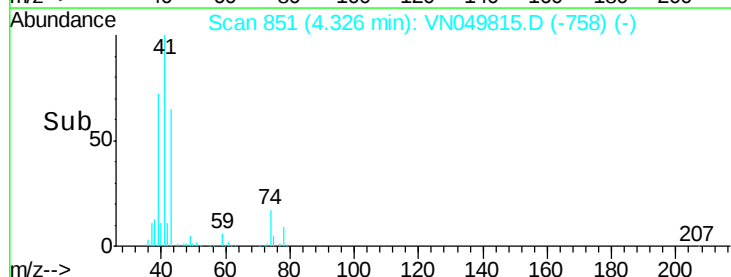
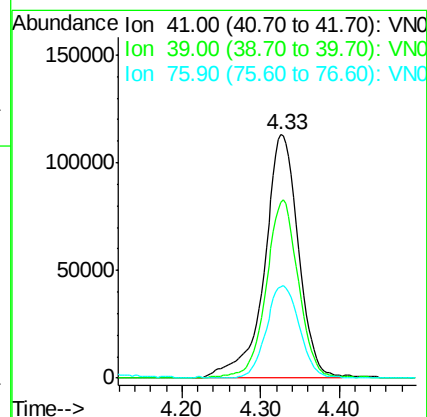
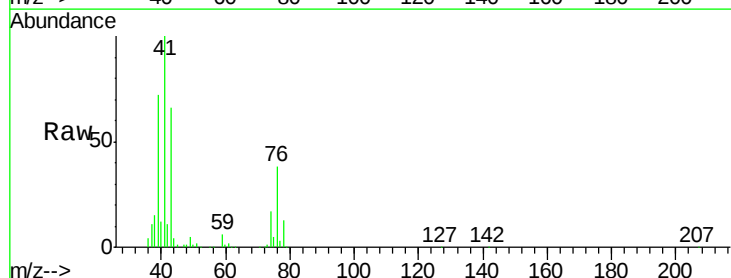
Tgt Ion: 41 Resp: 342616

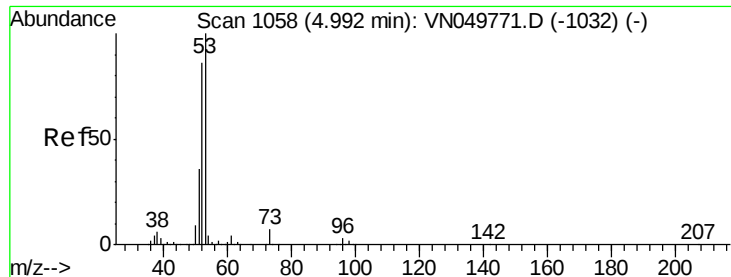
Ion Ratio Lower Upper

41 100

39 69.5 53.2 79.8

76 36.3 29.0 43.6





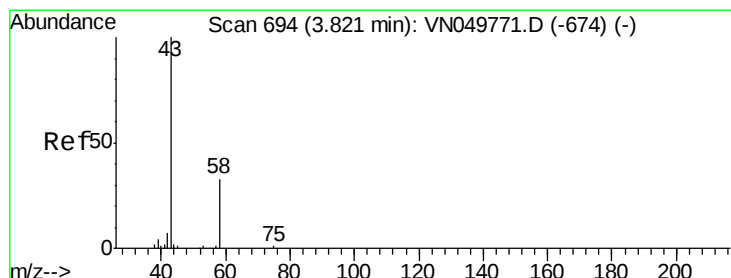
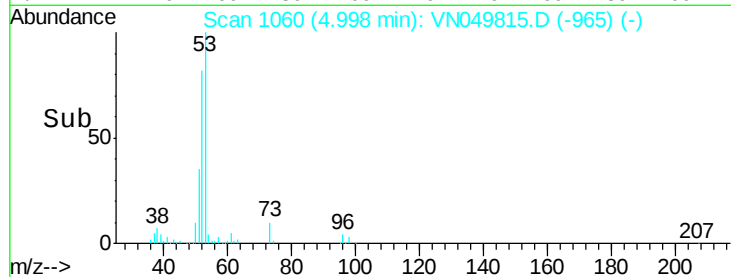
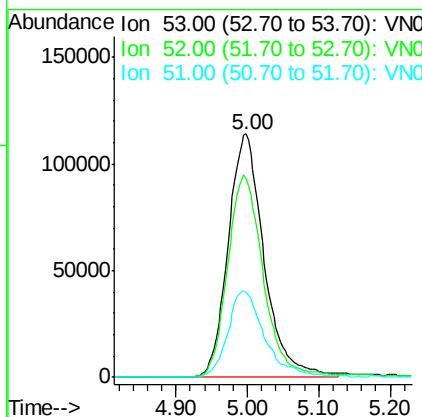
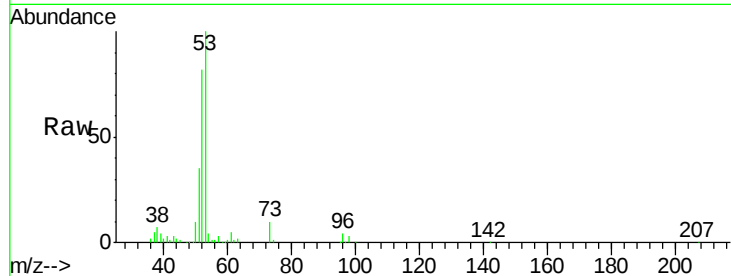
#15
 Acrylonitrile
 Concen: 93.01 ug/l
 RT: 5.00 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0713WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.5	64.8	97.2
51	36.5	28.9	43.3

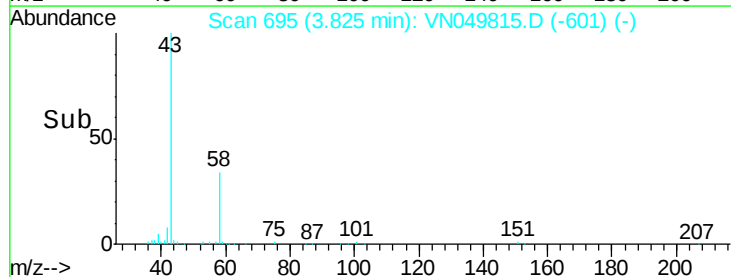
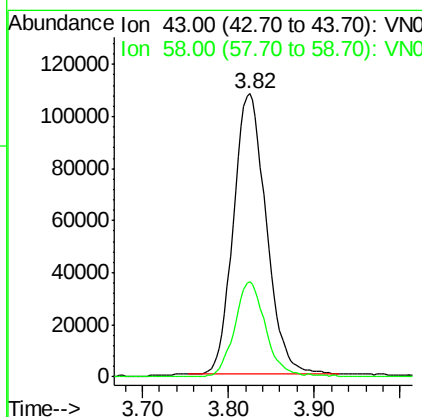
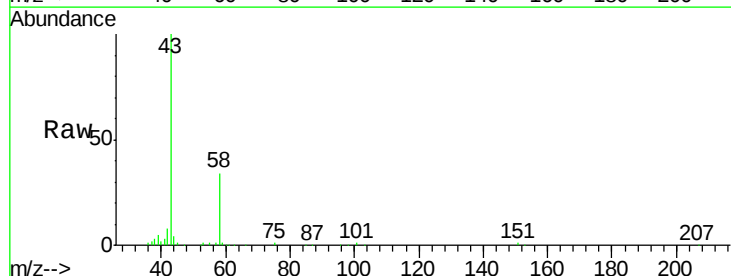
Manual Integrations
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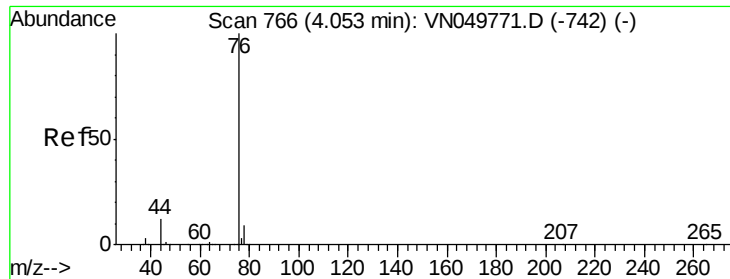
MMDadoda
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#16
 Acetone
 Concen: 89.41 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.7	25.9	38.9





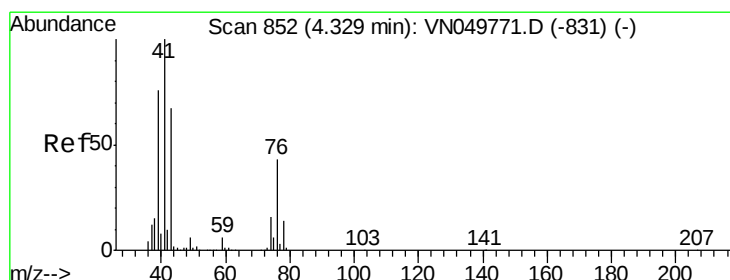
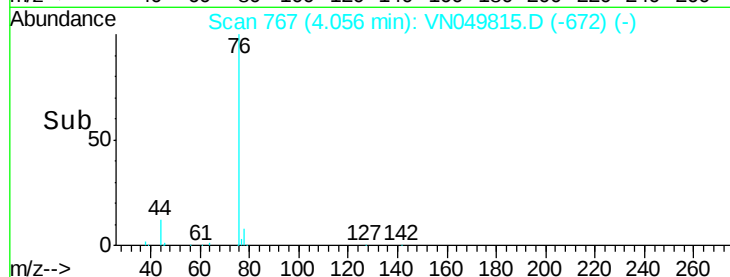
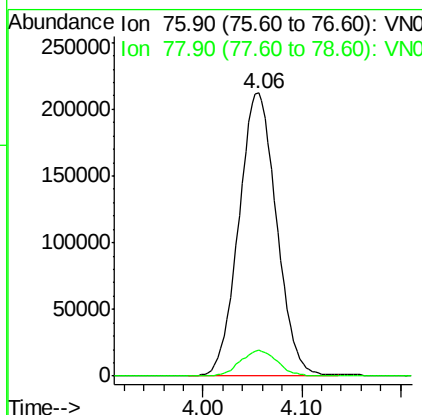
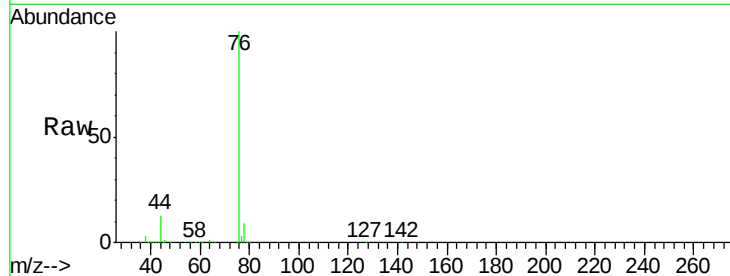
#17
Carbon Disulfide
Concen: 18.16 ug/l
RT: 4.06 min Scan# 767
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

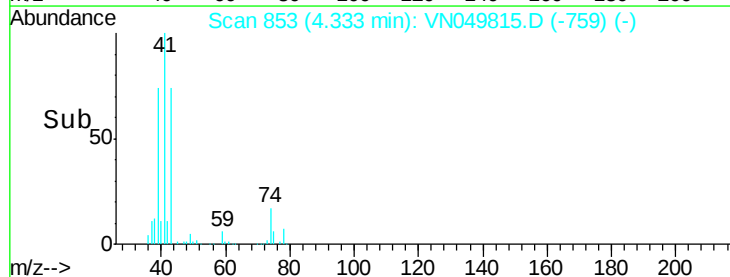
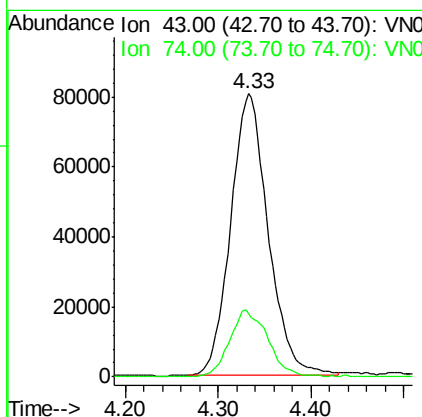
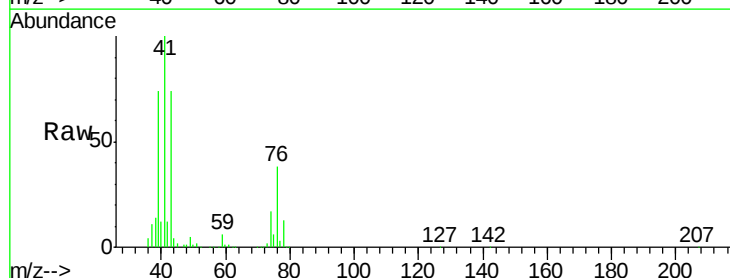
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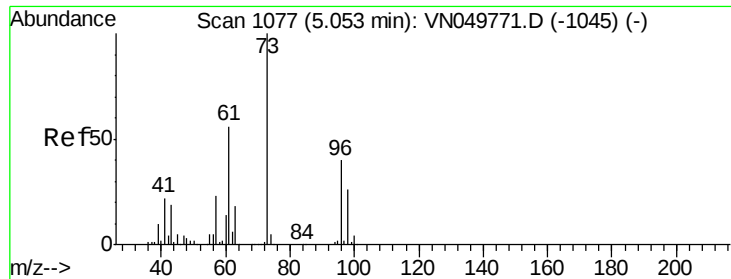
MMDadoda
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#18
Methyl Acetate
Concen: 20.69 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.8	29.8





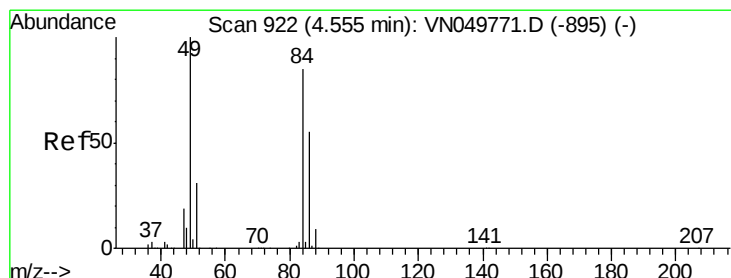
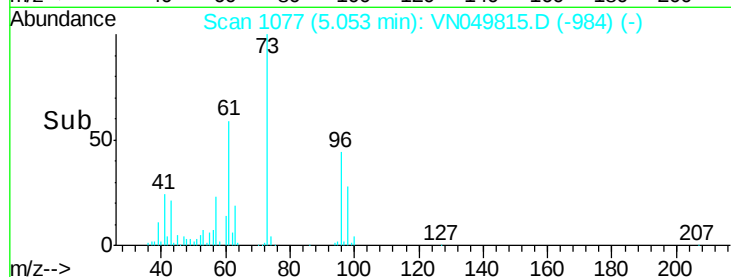
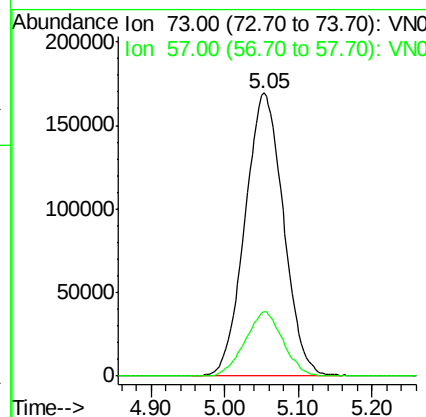
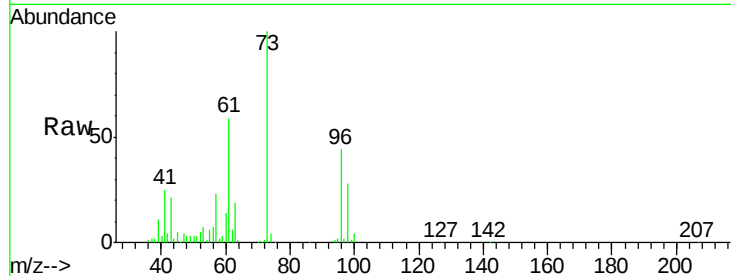
#19
Methvl tert-butvl Ether
Concen: 18.66 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion: 73 Resp: 616440
Ion Ratio Lower Upper
73 100
57 22.9 18.1 27.1

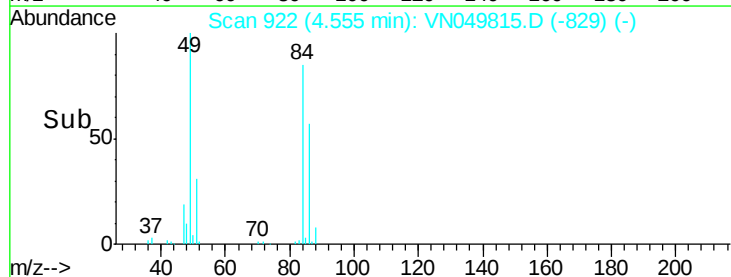
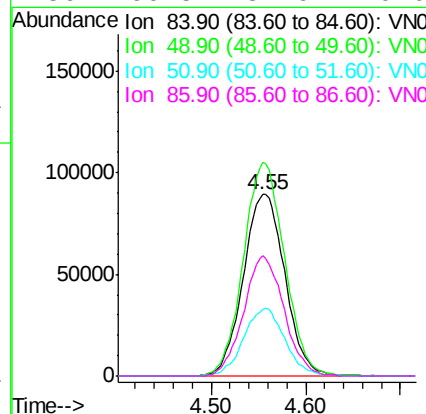
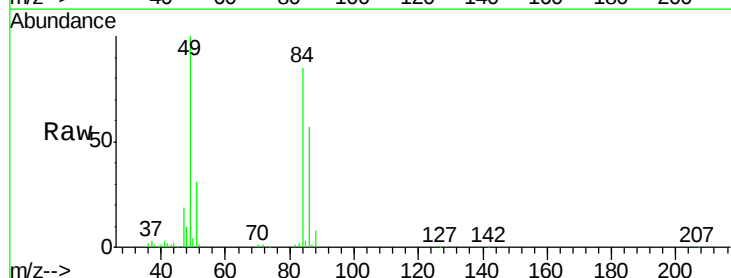
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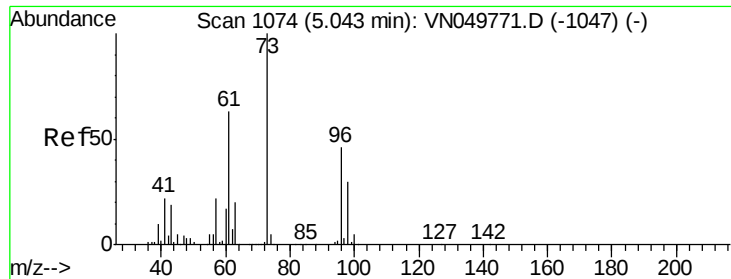
MMDadoda
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#20
Methylene Chloride
Concen: 20.21 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion: 84 Resp: 272799
Ion Ratio Lower Upper
84 100
49 117.6 95.4 143.2
51 36.7 28.4 42.6
86 66.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 18.14 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

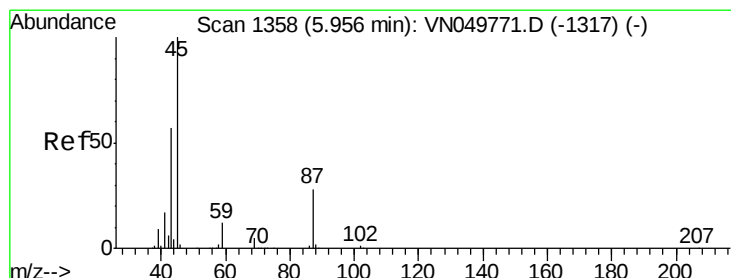
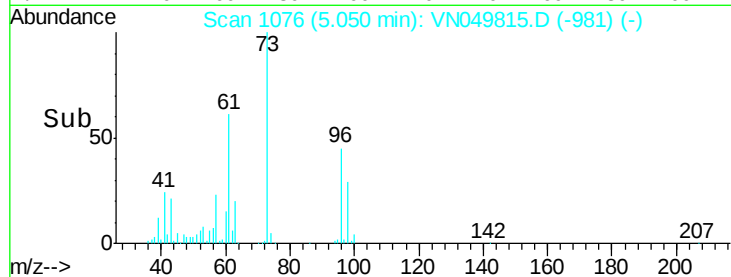
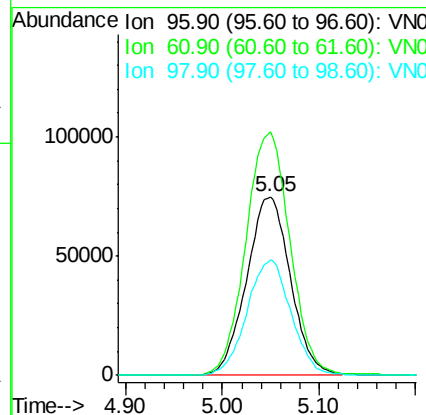
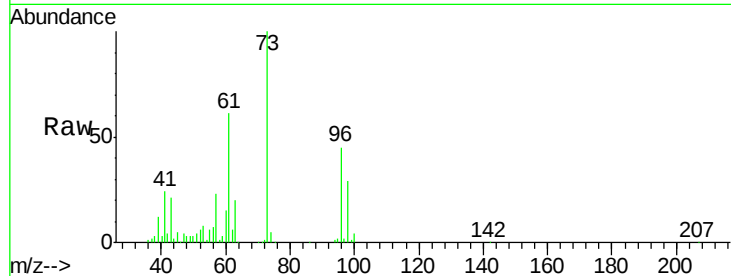
ClientSampleId :

VN0713WBS02

Tot Ion:	96	Resp:	236037
Ion	Ratio	Lower	Upper
96	100		
61	136.4	109.0	163.6
98	64.7	51.1	76.7

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#22

Diisopropyl ether

Concen: 19.99 ug/l

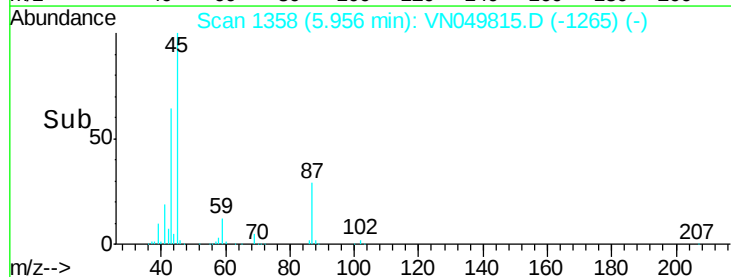
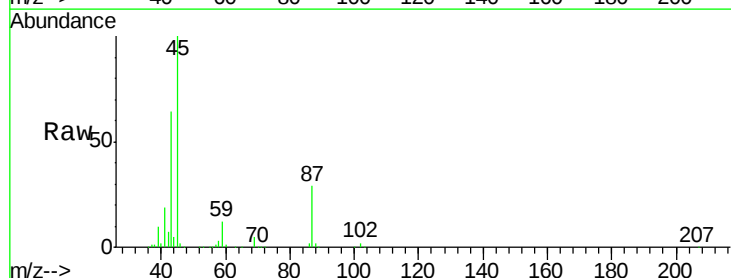
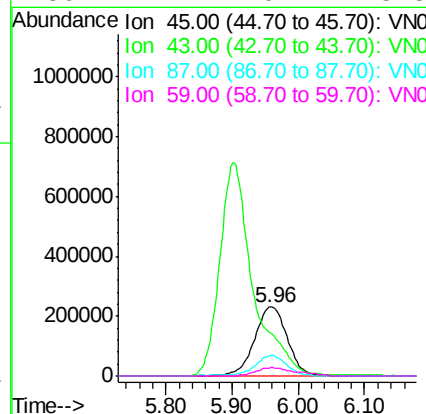
RT: 5.96 min Scan# 1358

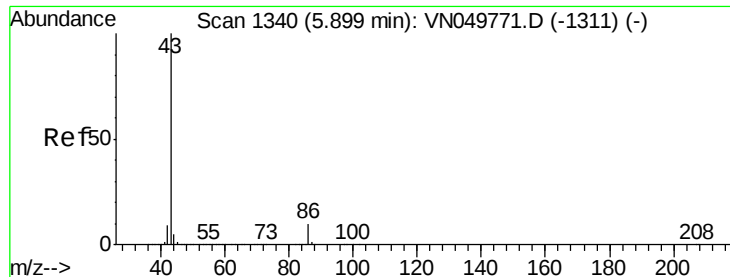
Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Tgt Ion:	45	Resp:	797723
Ion	Ratio	Lower	Upper
45	100		
43	62.1	48.1	72.1
87	28.9	22.6	34.0
59	11.7	9.2	13.8





#23

Vinyl Acetate

Concen: 92.99 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

ClientSampled :

VN0713WBS02

Tot Ion: 43 Resp: 2487274

Ion Ratio Lower Upper

43 100

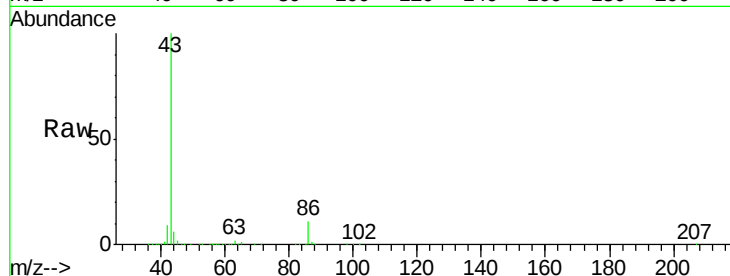
86 10.6 8.4 12.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

800000

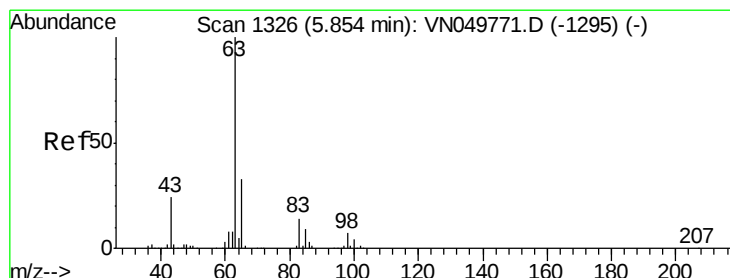
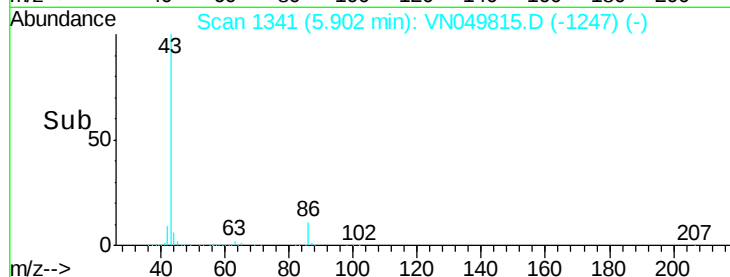
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.26 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

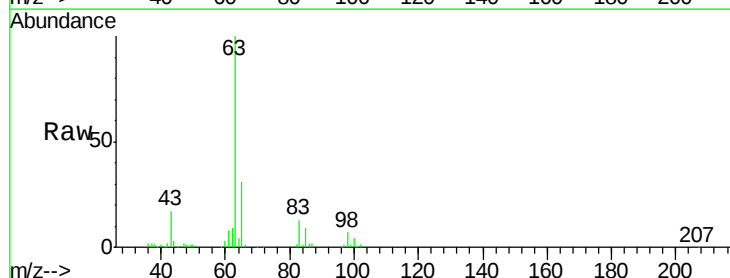
Tgt Ion: 63 Resp: 483032

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.5 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

200000

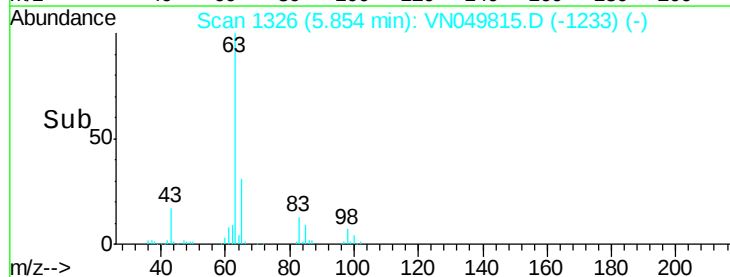
150000

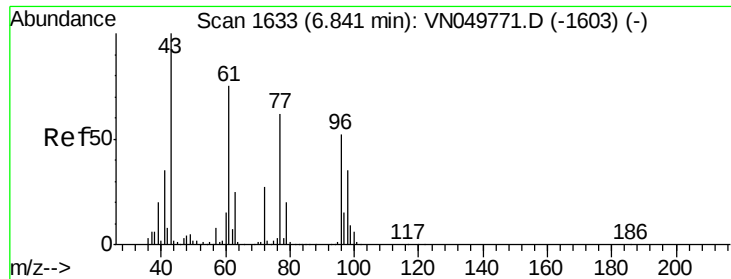
100000

50000

0

Time-->





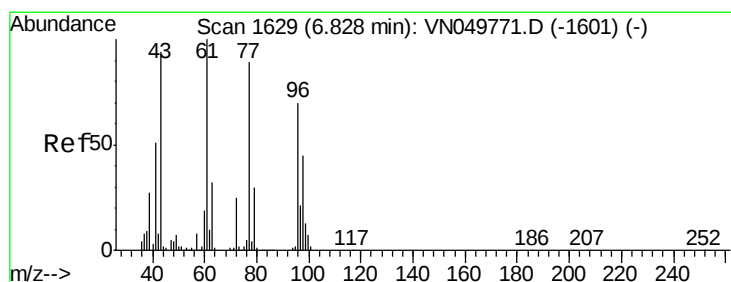
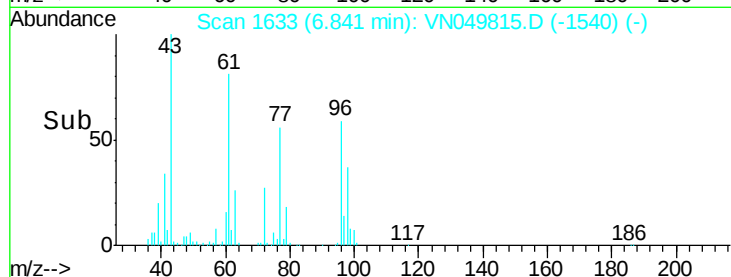
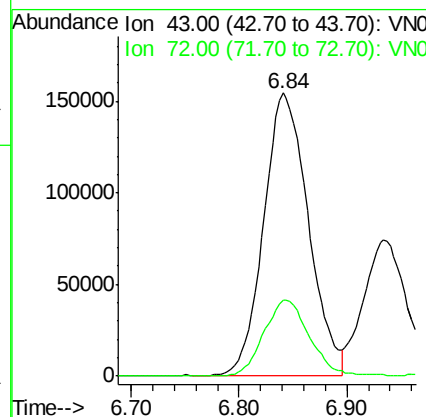
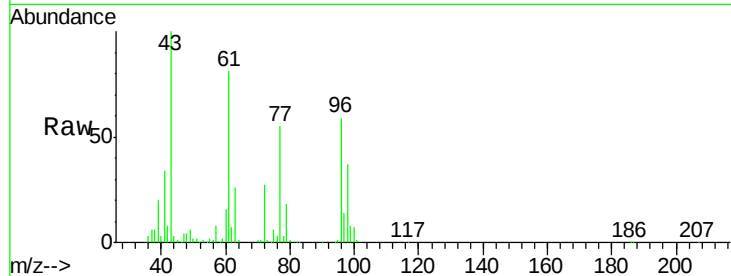
#25
2-Butanone
Concen: 88.48 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion: 43 Resp: 441667
Ion Ratio Lower Upper
43 100
72 26.7 22.1 33.1

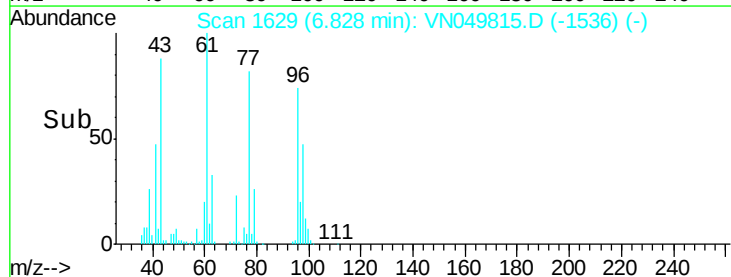
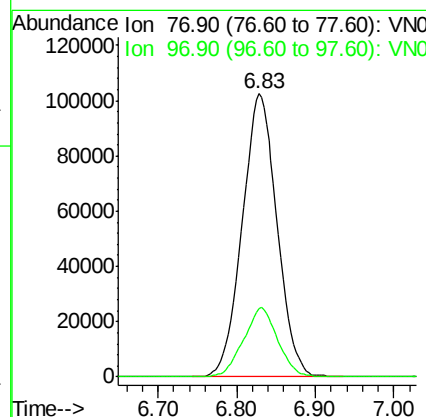
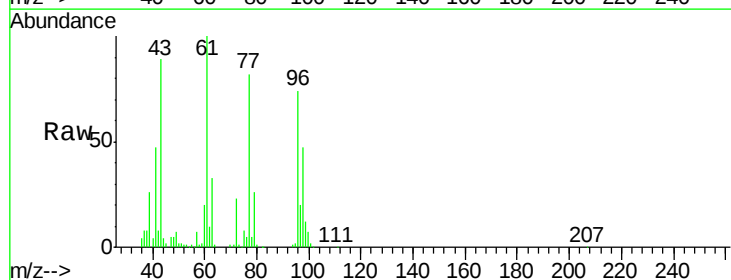
Manual Integrations
APPROVED

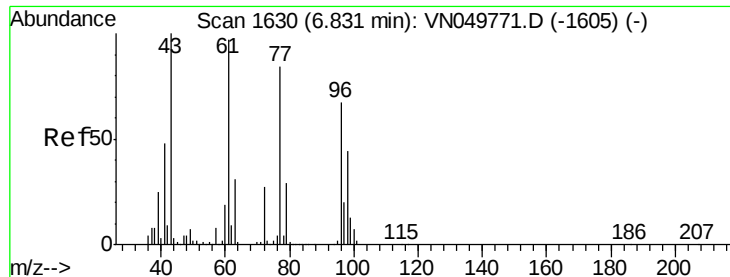
MMDadoda
7/16/2018 11:02:49 AM



#26
2,2-Dichloropropane
Concen: 15.29 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion: 77 Resp: 318230
Ion Ratio Lower Upper
77 100
97 24.2 11.9 35.5





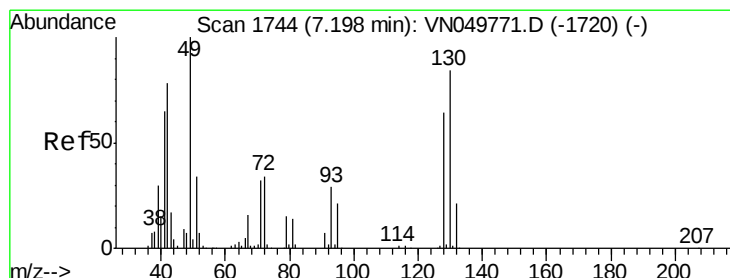
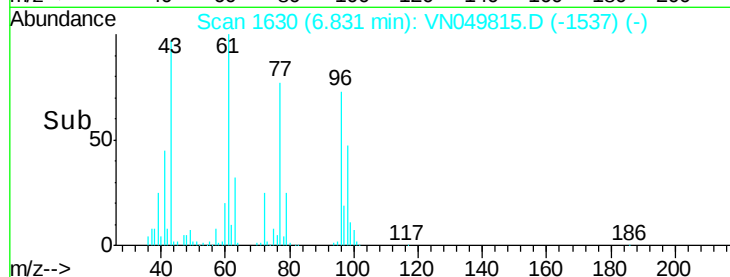
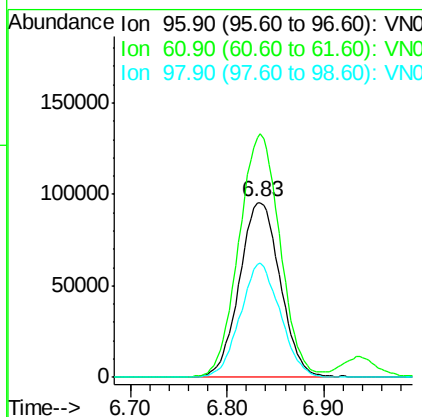
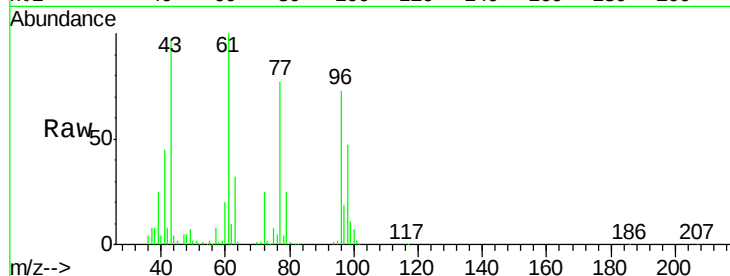
#27
 cis-1,2-Dichloroethene
 Concen: 18.88 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	281081		
61	139.9	0.0	289.0	
98	63.8	0.0	130.2	

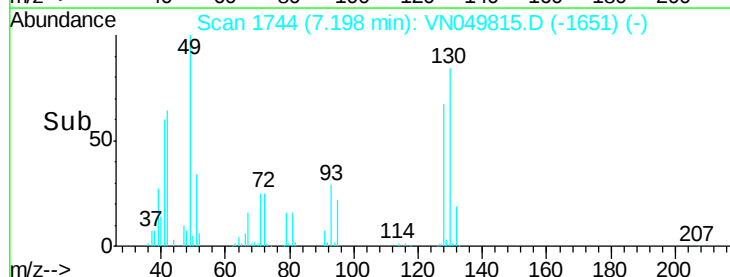
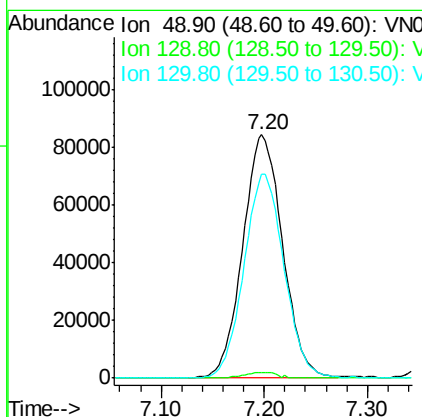
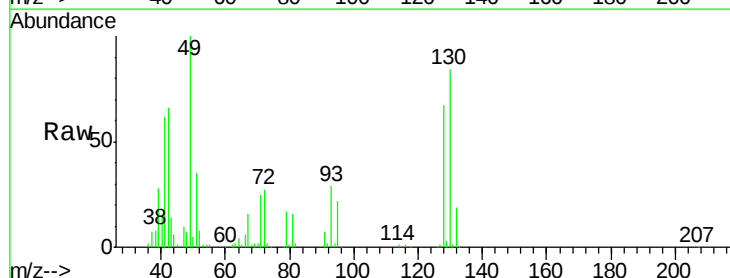
Manual Integrations
 APPROVED

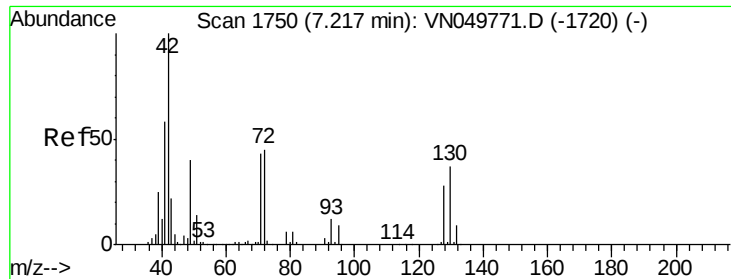
MMDadoda
 7/16/2018 11:02:49 AM



#28
 Bromochloromethane
 Concen: 19.83 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	226210		
129	1.9	0.0	4.2	
130	84.3	65.5	98.3	





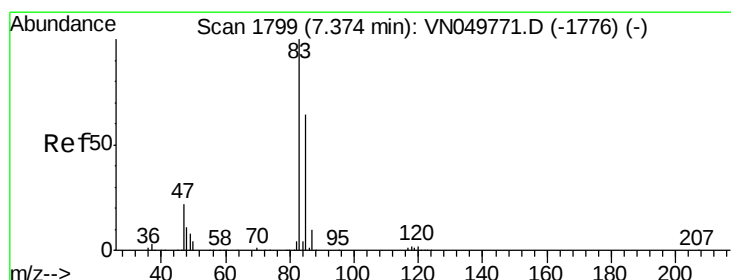
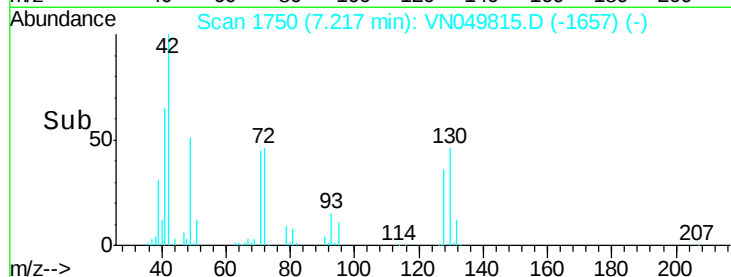
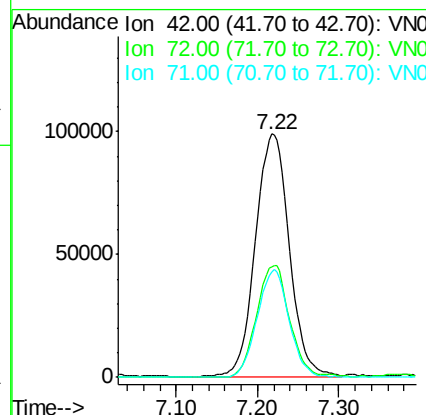
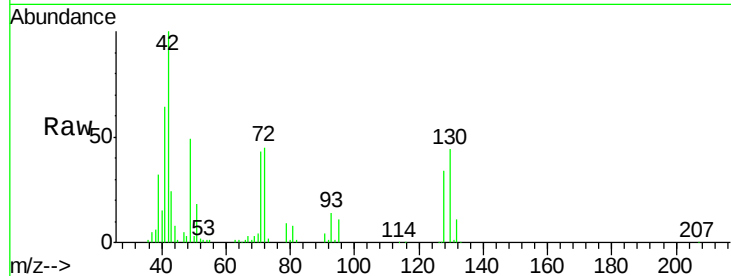
#29
Tetrahydrofuran
Concen: 90.49 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.6	53.4
71	41.8	34.0	51.0

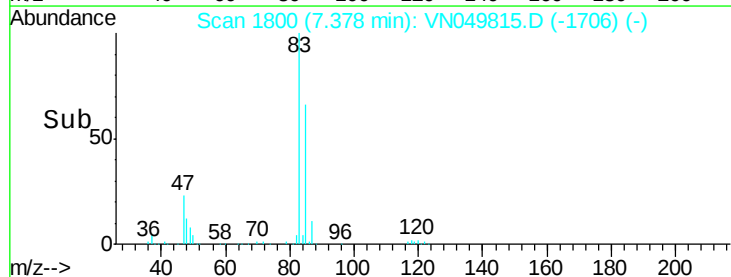
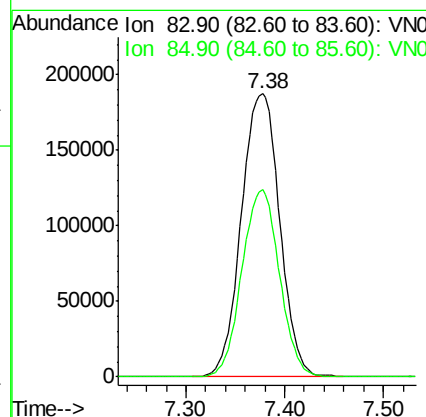
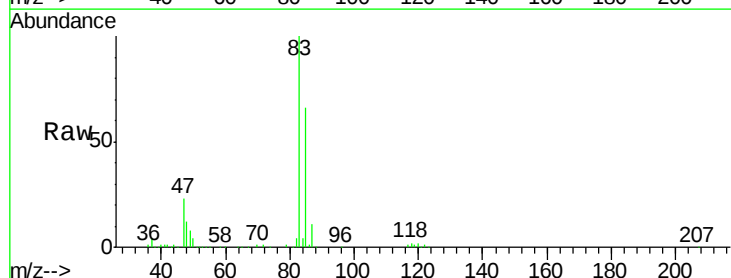
Manual Integrations
APPROVED

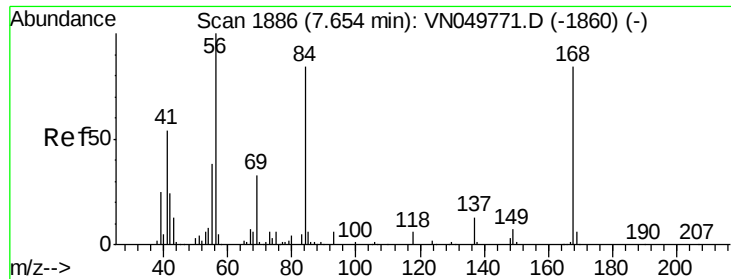
MMDadoda
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#30
Chloroform
Concen: 19.54 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.4	77.2





#31

Cyclohexane

Concen: 18.39 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

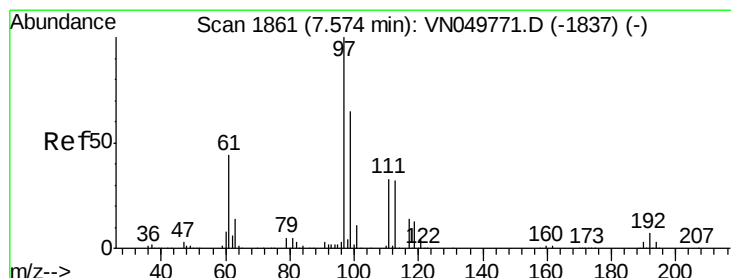
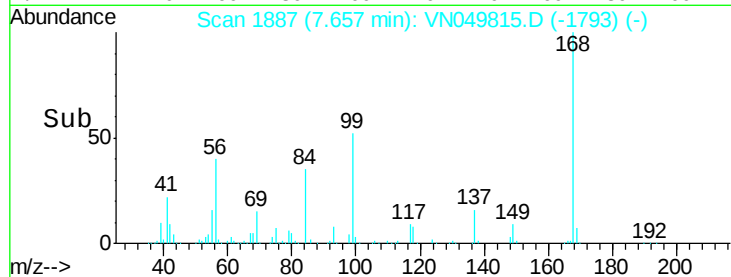
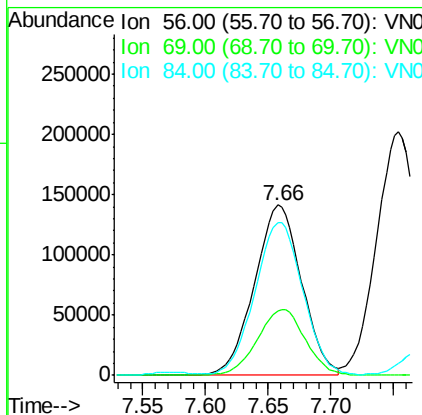
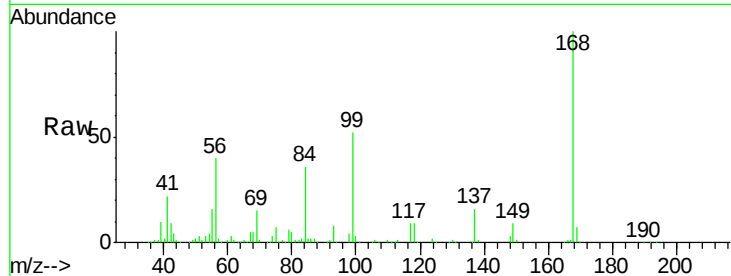
ClientSampled :

VN0713WBS02

Tot Ion:	56	Resp:	370241
Ion Ratio	Lower	Upper	
56	100		
69	38.2	26.6	40.0
84	88.3	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.03 ug/l

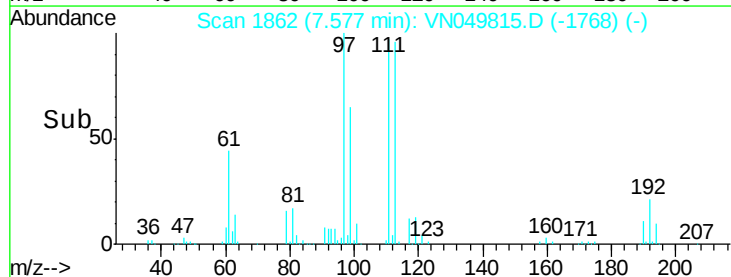
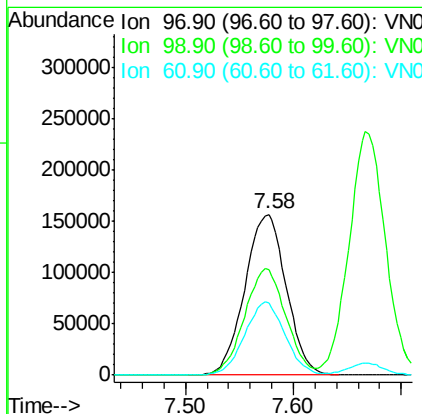
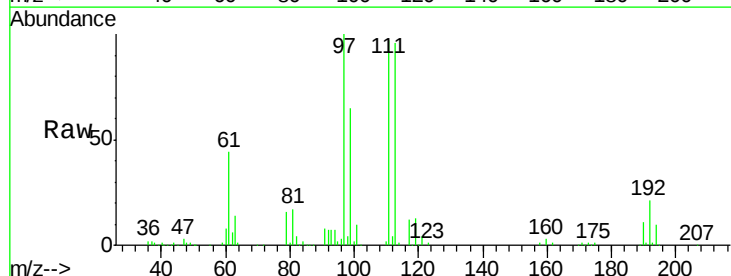
RT: 7.58 min Scan# 1862

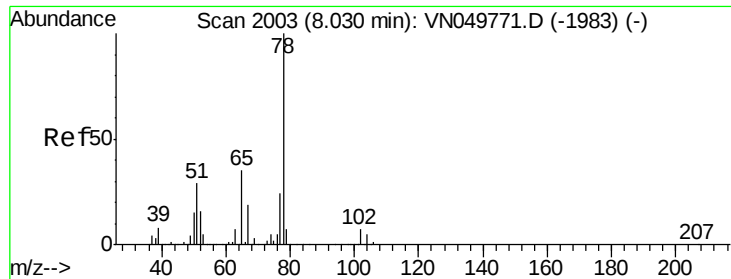
Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Tgt Ion:	97	Resp:	417562
Ion Ratio	Lower	Upper	
97	100		
99	66.2	51.0	76.4
61	44.2	35.5	53.3





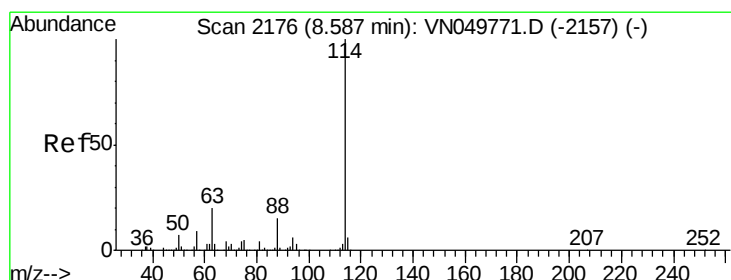
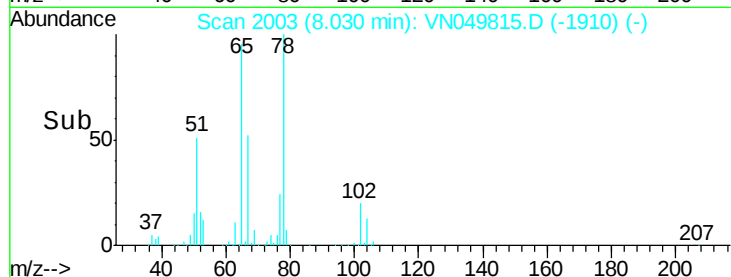
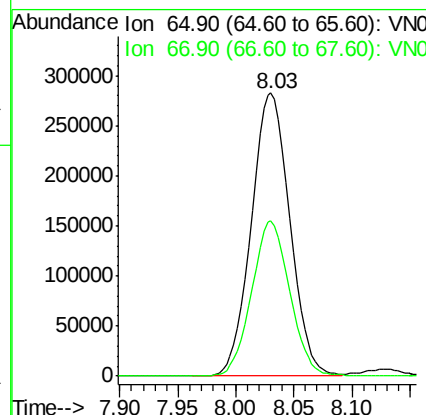
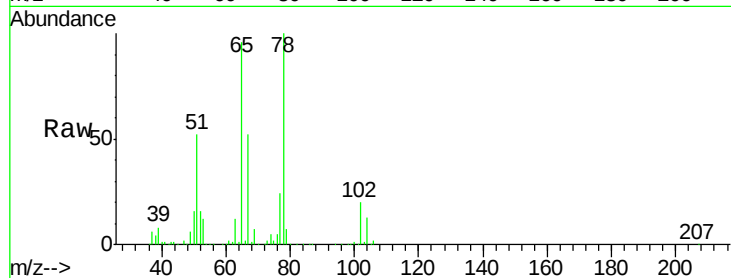
#33
 1,2-Dichloroethane-d4
 Concen: 51.19 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	107.2	

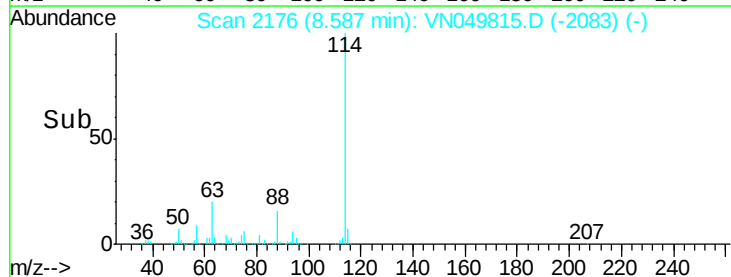
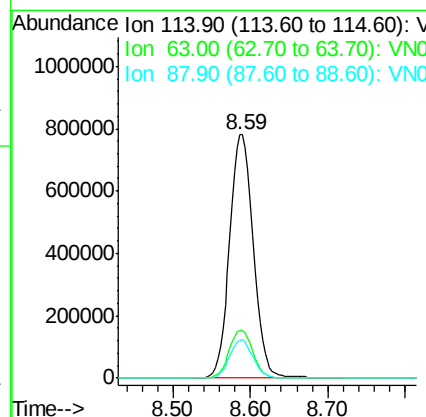
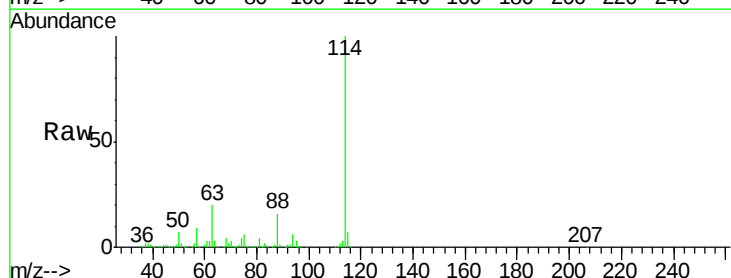
Manual Integrations
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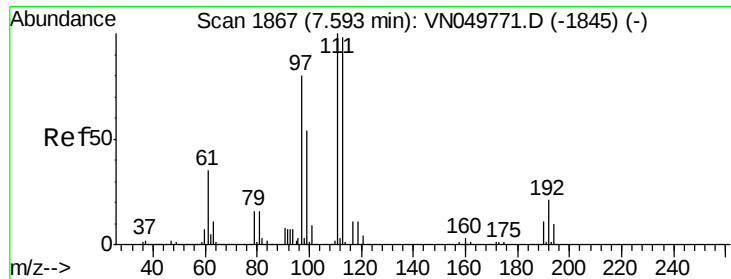
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	39.8	
88	15.7	0.0	30.6	





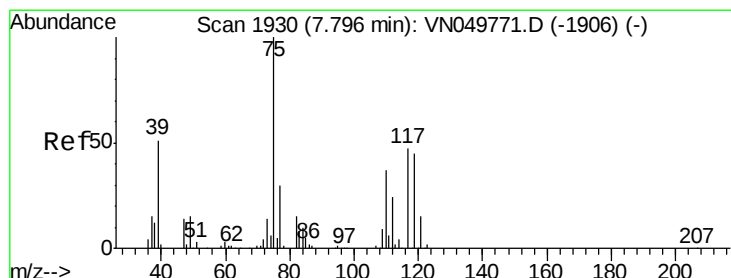
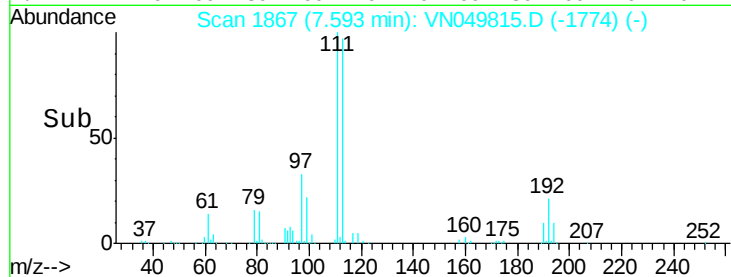
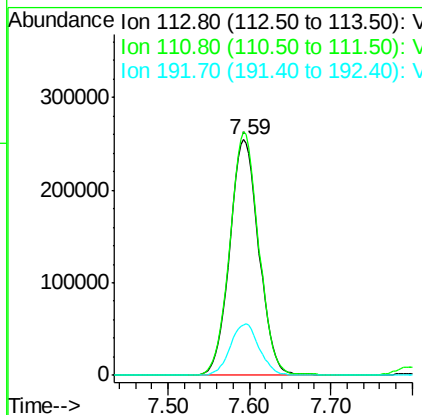
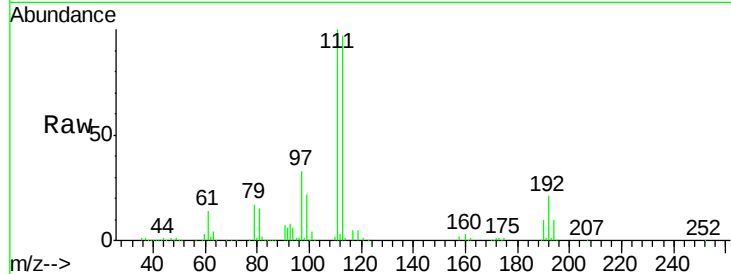
#35
 Dibromofluoromethane
 Concen: 51.06 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.8	122.8
192	21.8	17.8	26.6

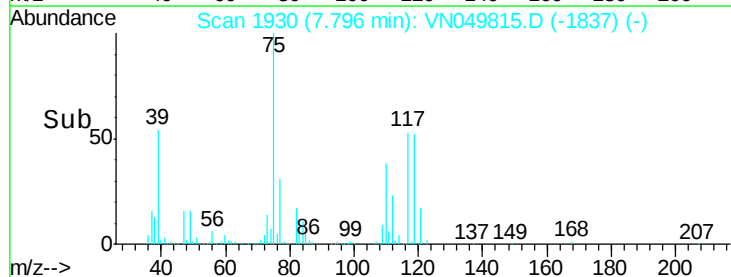
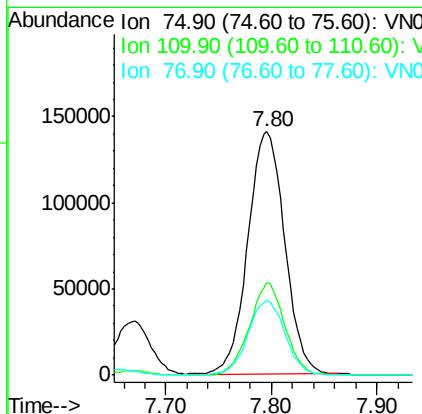
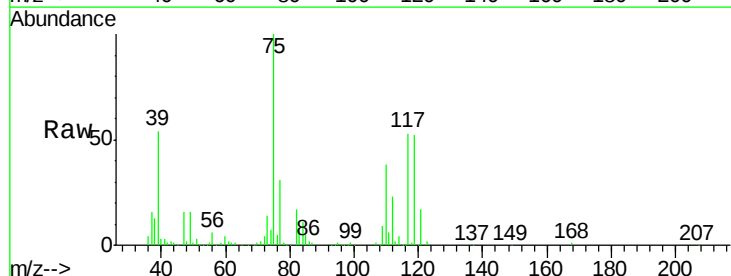
Manual Integrations
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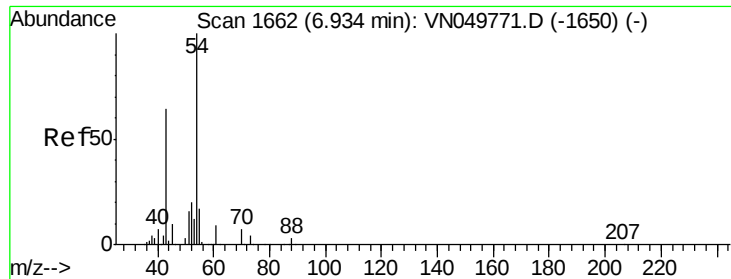
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 17.94 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.1	54.4
77	30.5	24.9	37.3





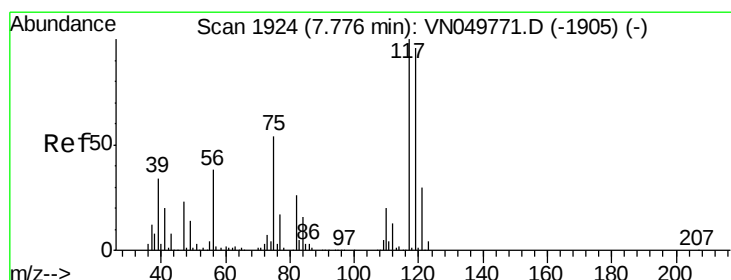
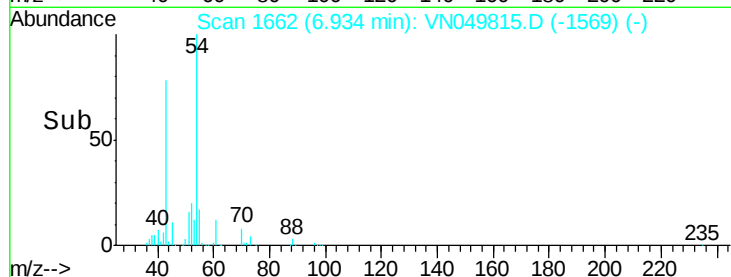
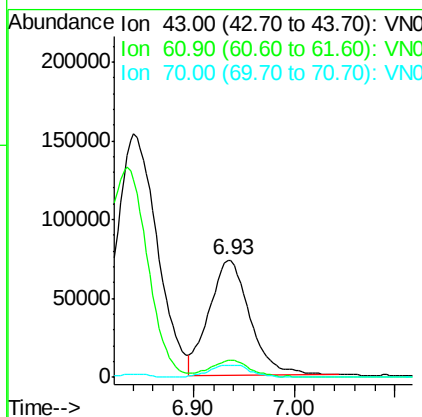
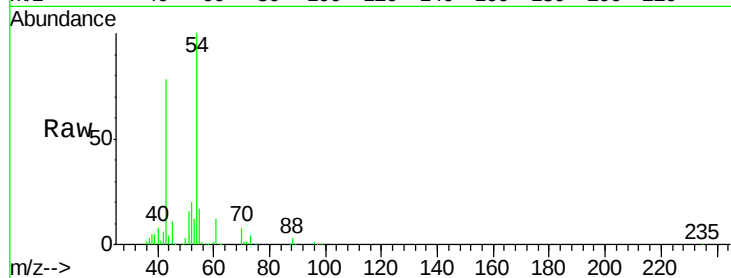
#37
Ethyl Acetate
Concen: 18.44 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.7	17.5
70	10.3	8.4	12.6

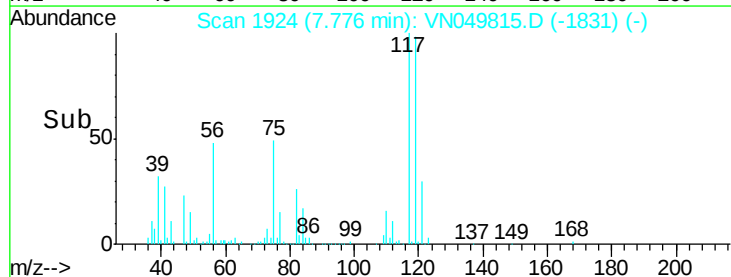
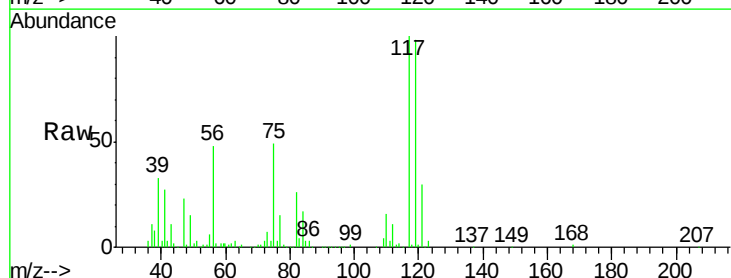
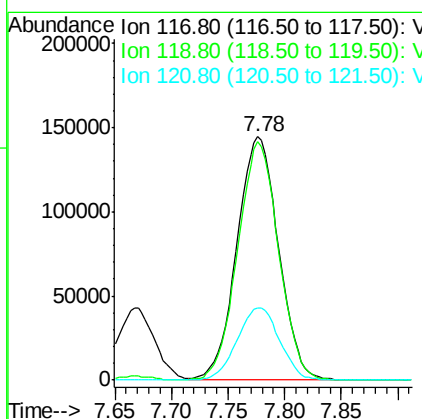
Manual Integrations
APPROVED

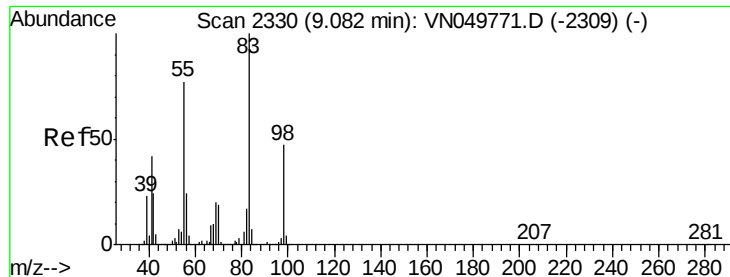
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.43 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.2	115.8
121	29.7	25.0	37.6





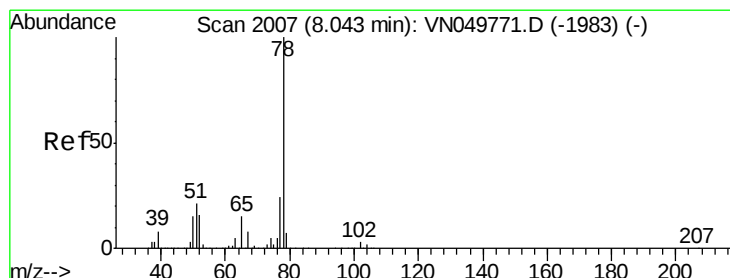
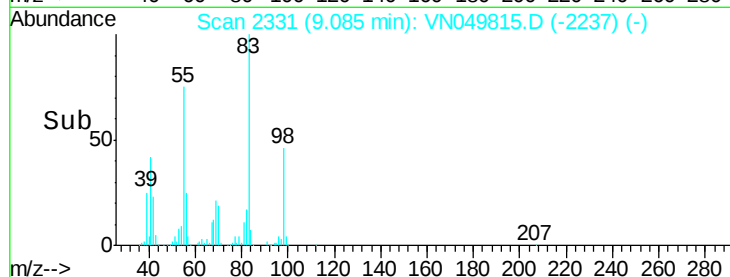
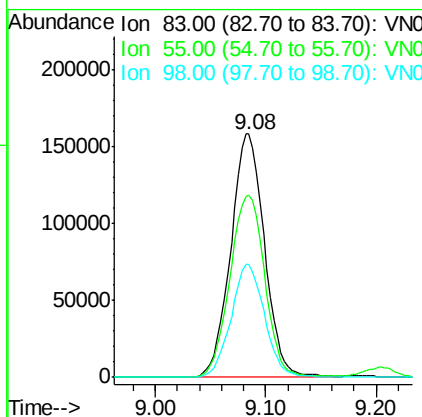
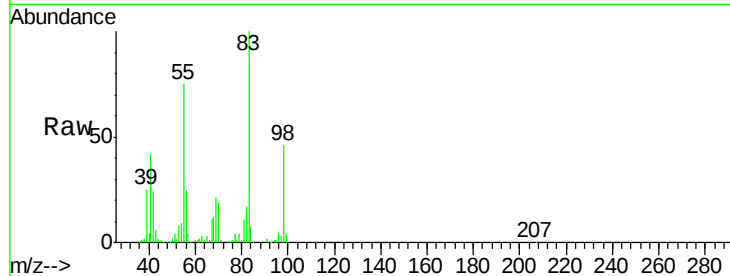
#39
Methvlcvclohexane
Concen: 16.71 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	59.7	89.5
98	46.2	36.5	54.7

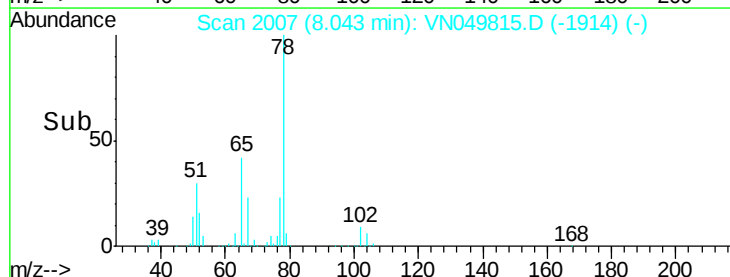
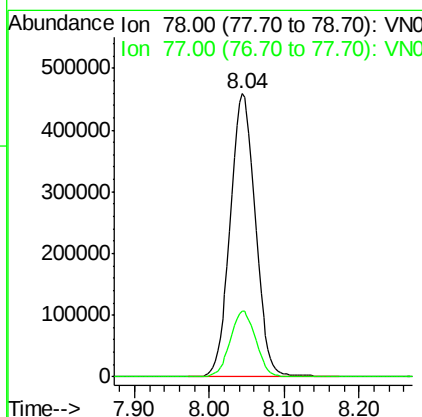
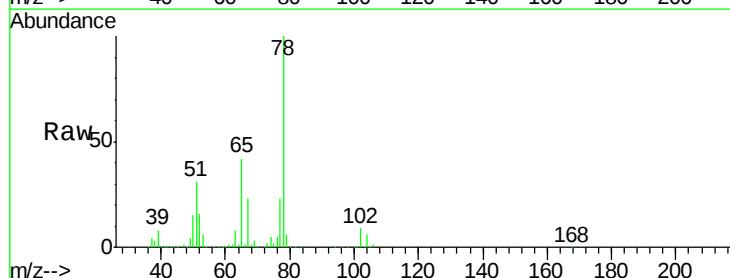
Manual Integrations
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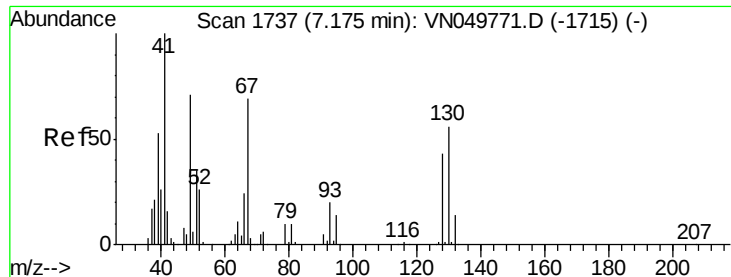
MMDadoda
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#40
Benzene
Concen: 18.89 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





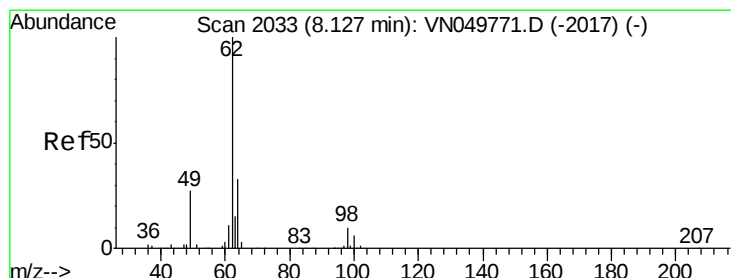
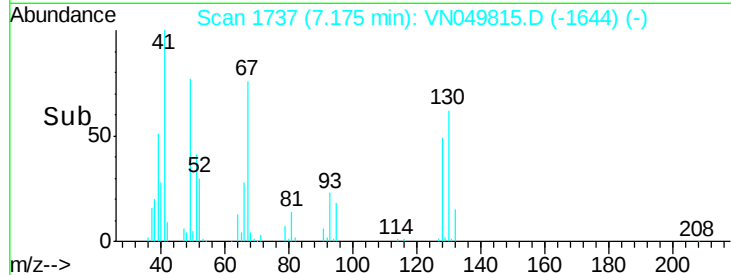
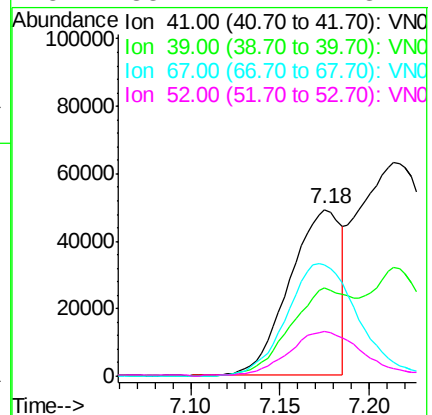
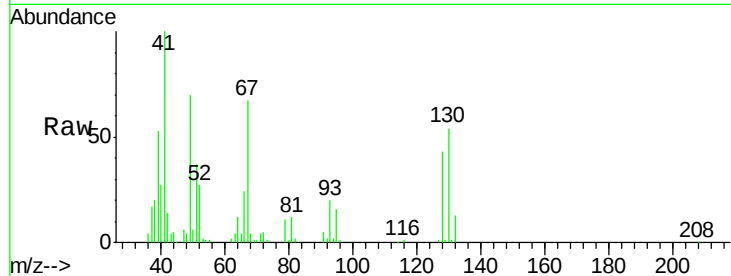
#41
Methacrylonitrile
Concen: 15.39 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.7	45.4	68.2
67	95.0	65.4	98.0
52	38.4	24.7	37.1#

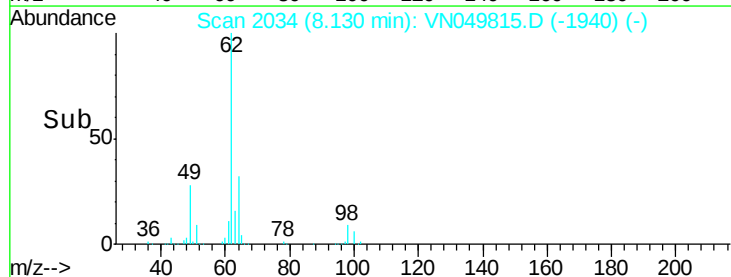
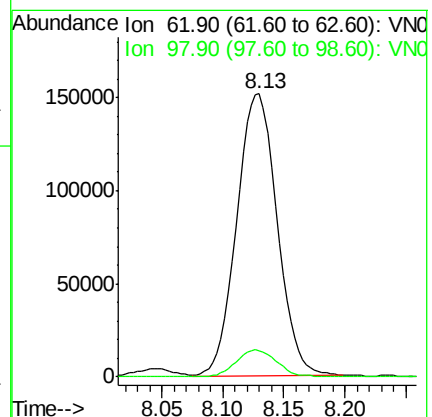
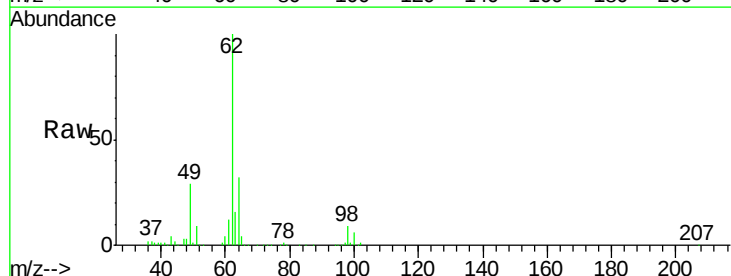
Manual Integrations
APPROVED

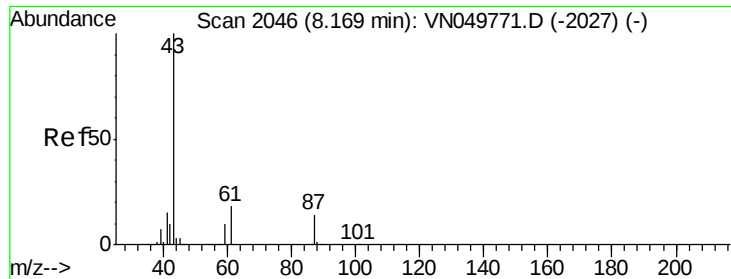
MMDadoda
7/16/2018 11:02:49 AM



#42
1,2-Dichloroethane
Concen: 18.62 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.0





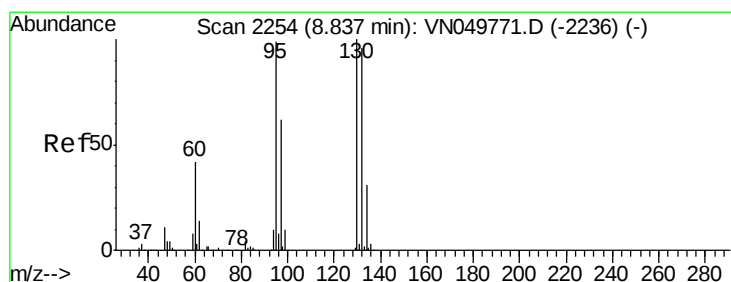
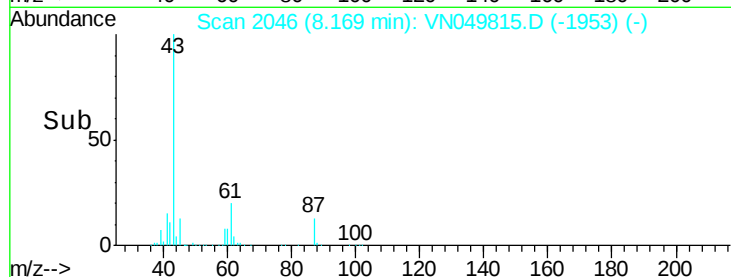
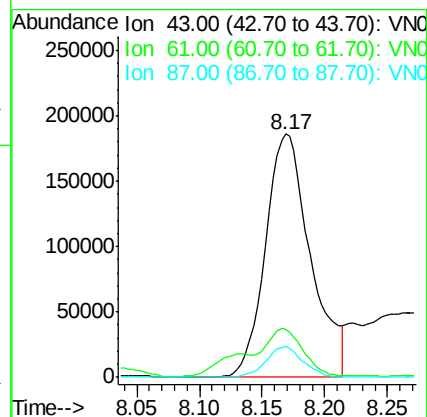
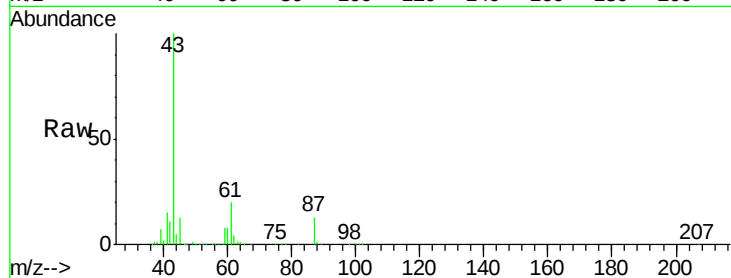
#43
Isopropyl Acetate
Concen: 22.81 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	14.9	22.3
87	10.5	10.0	15.0

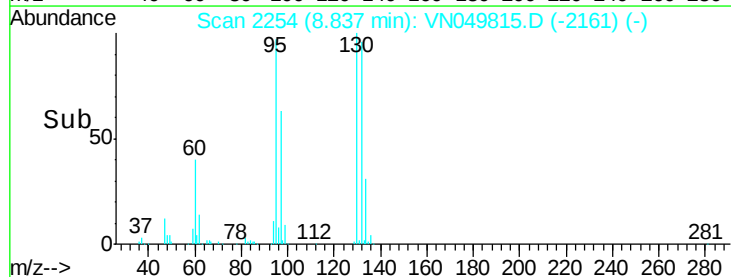
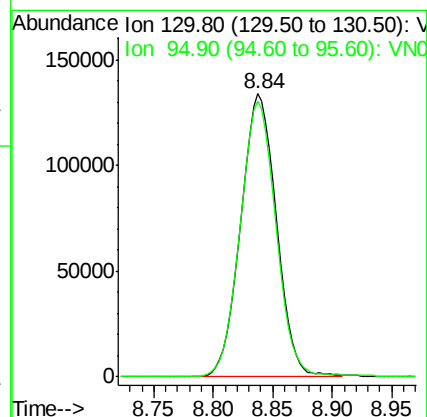
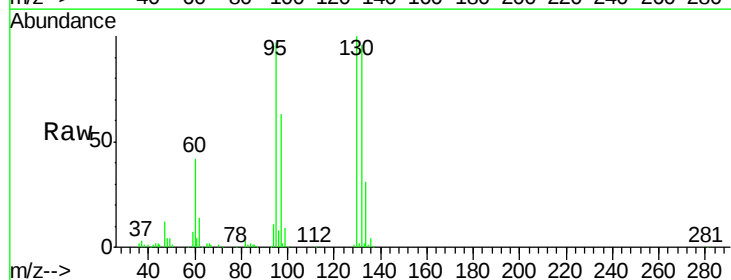
Manual Integrations
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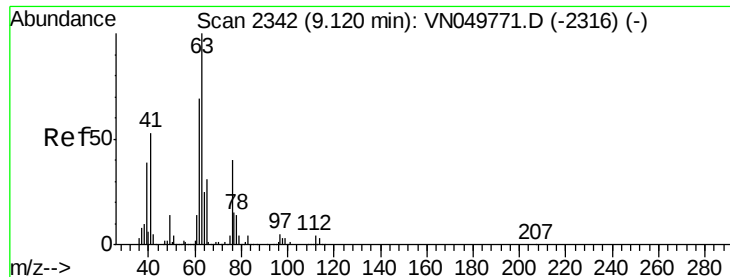
MMDadoda
7/16/2018 11:02:49 AM



#44
Trichloroethene
Concen: 18.13 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	192.8





#45

1,2-Dichloropropane

Concen: 18.88 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS02

Tot Ion: 63 Resp: 289513

Ion Ratio Lower Upper

63 100

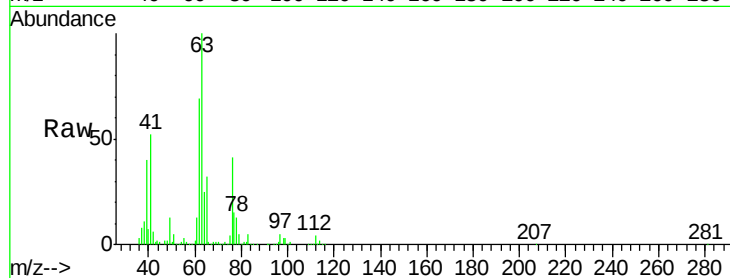
65 31.4 24.7 37.1

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

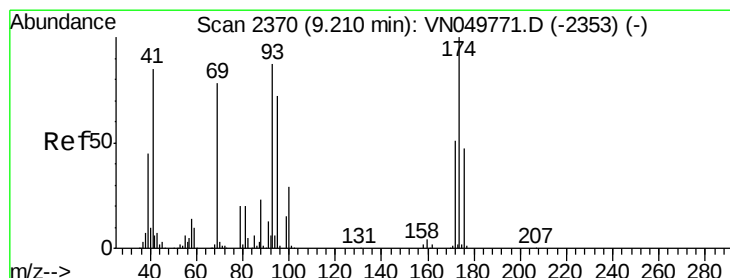
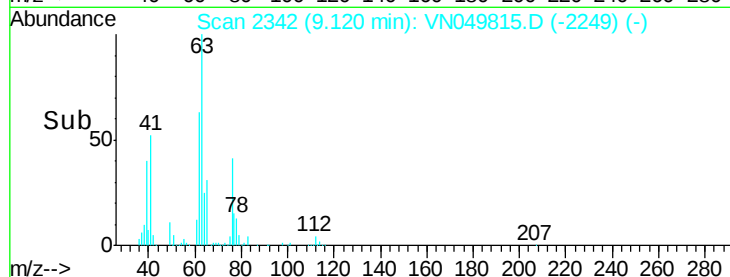
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 18.62 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

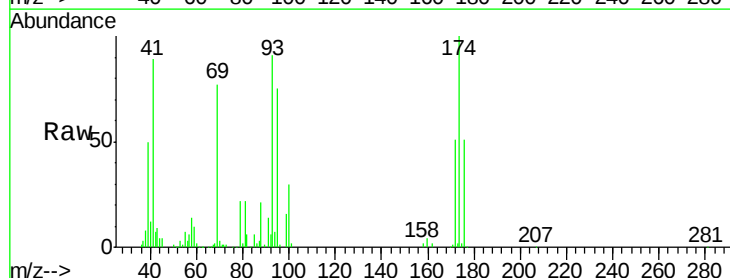
Tgt Ion: 93 Resp: 169535

Ion Ratio Lower Upper

93 100

95 84.0 67.9 101.9

174 109.4 89.4 134.0



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

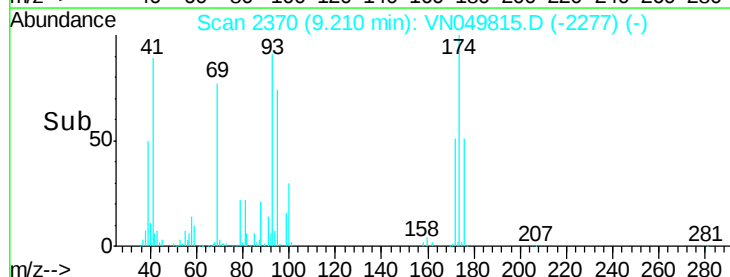
60000

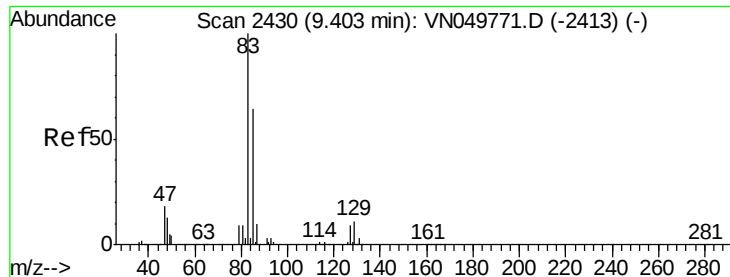
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 18.86 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

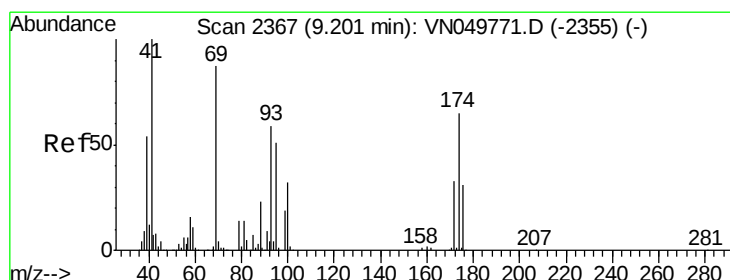
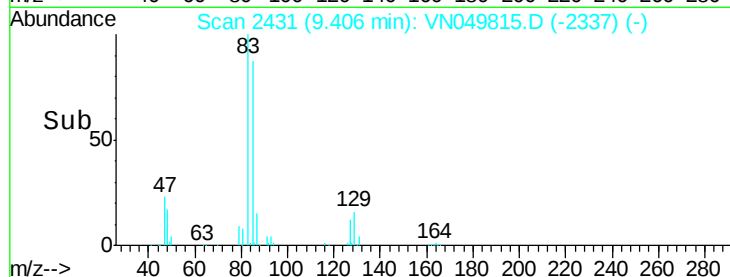
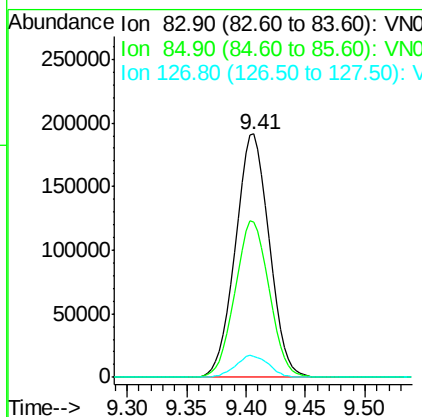
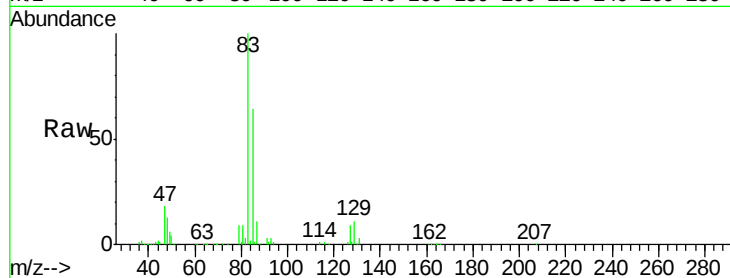
ClientSampled :

VN0713WBS02

Tot Ion:	83	Resp:	378156
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.5	75.7
127	8.7	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.15 ug/l

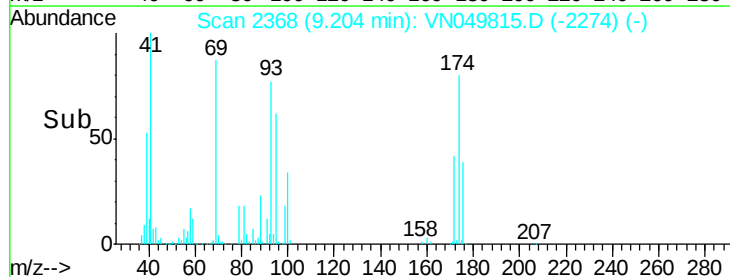
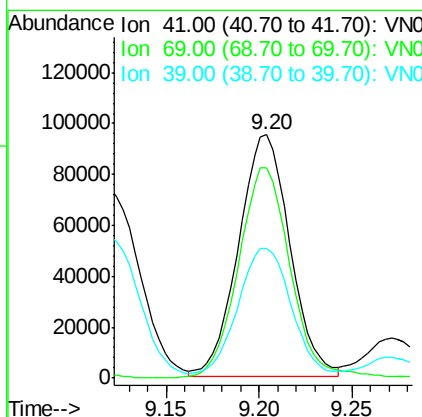
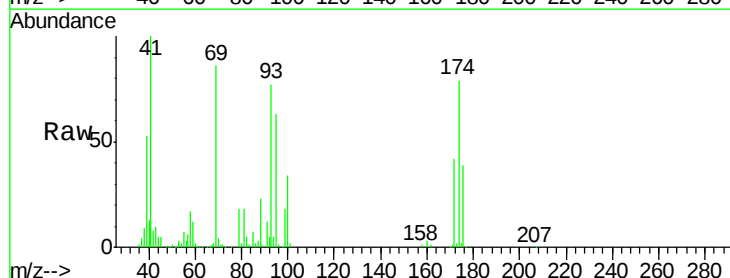
RT: 9.20 min Scan# 2368

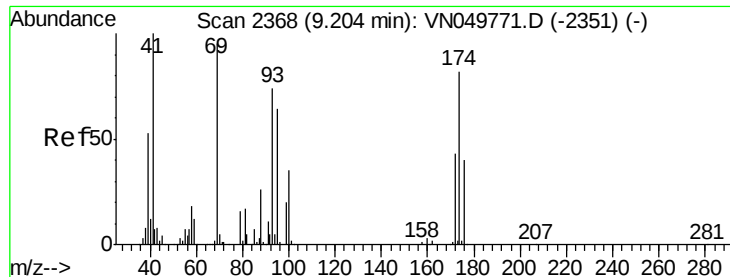
Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Tgt Ion:	41	Resp:	184102
Ion Ratio	Lower	Upper	
41	100		
69	86.7	71.5	107.3
39	56.3	44.7	67.1





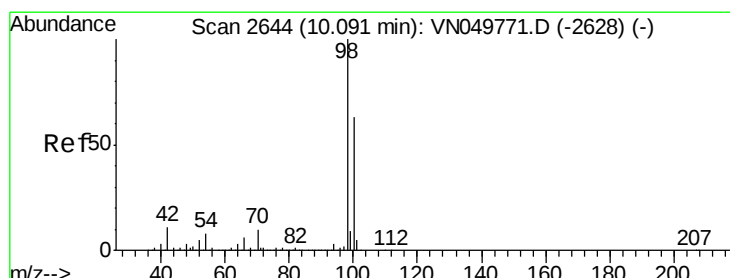
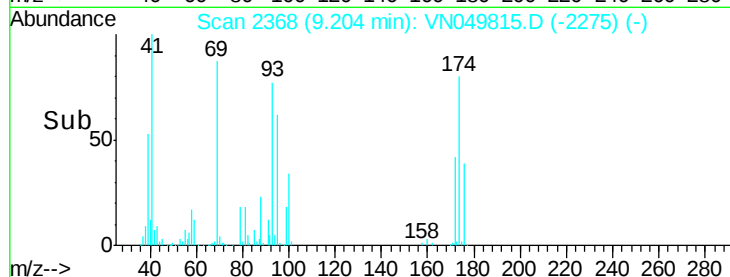
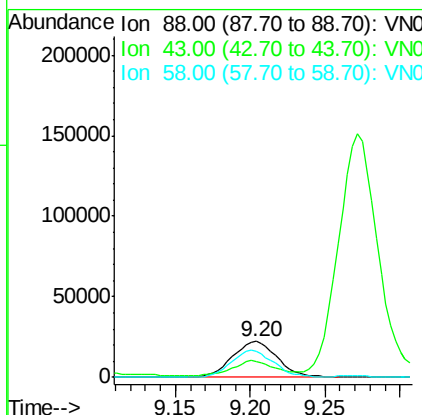
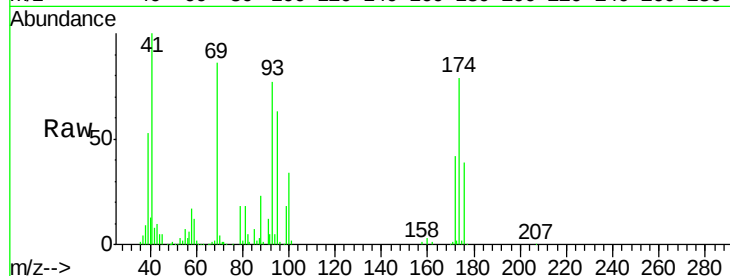
#49
1,4-Dioxane
Concen: 351.66 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion	88	Resp	46748
Ion Ratio	Lower	Upper	
88	100		
43	35.6	25.1	37.7
58	70.4	52.5	78.7

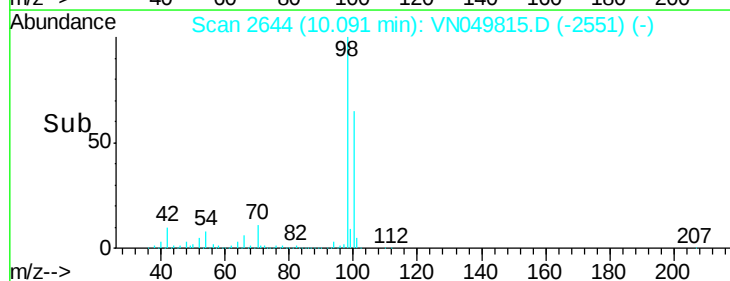
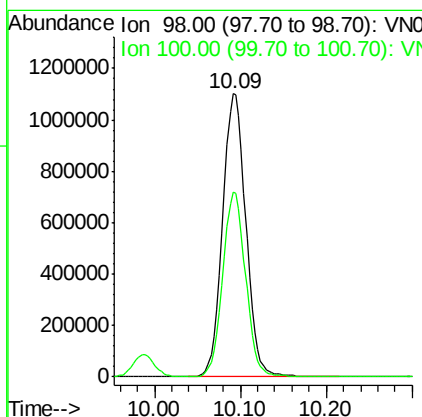
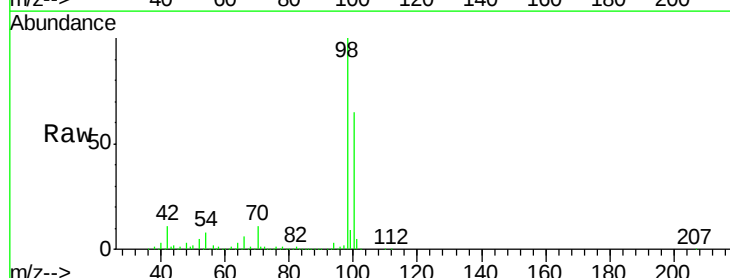
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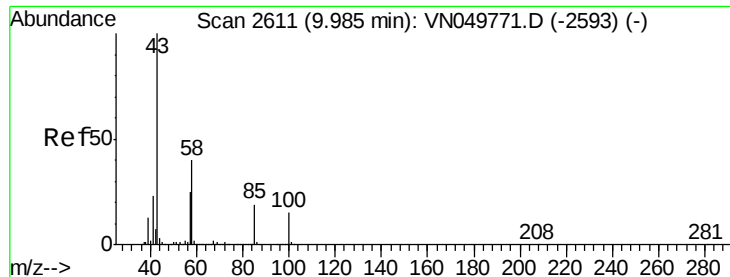
MMDadoda
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#50
Toluene-d8
Concen: 48.62 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion	98	Resp	2076081
Ion Ratio	Lower	Upper	
98	100		
100	64.1	51.7	77.5





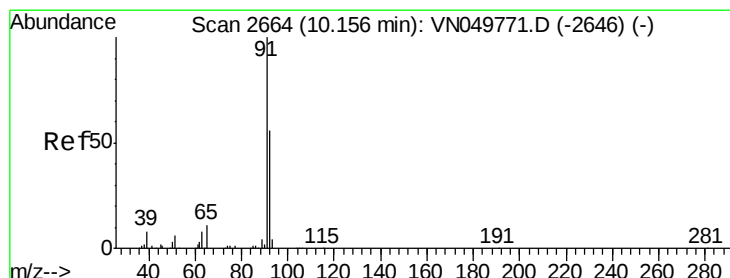
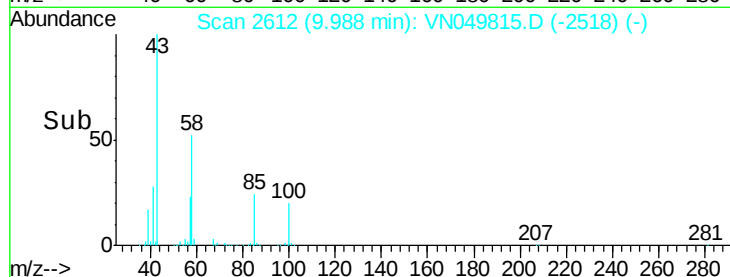
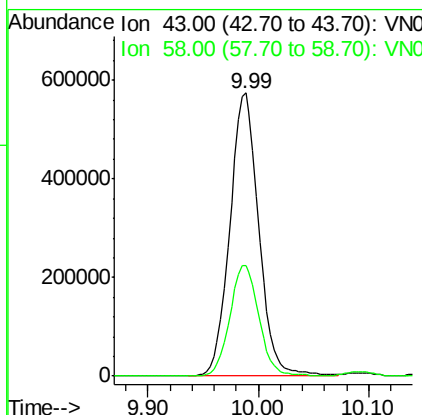
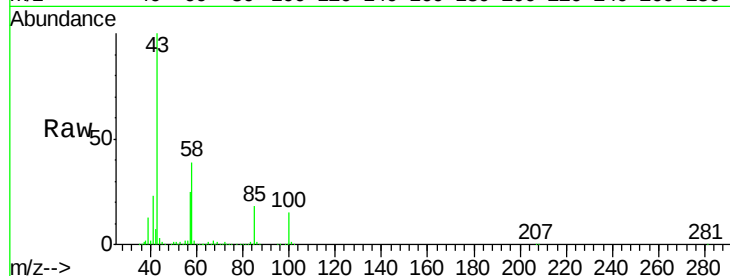
#51
4-Methyl-2-Pentanone
Concen: 94.33 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion: 43 Resp: 1039296
Ion Ratio Lower Upper
43 100
58 39.6 31.8 47.8

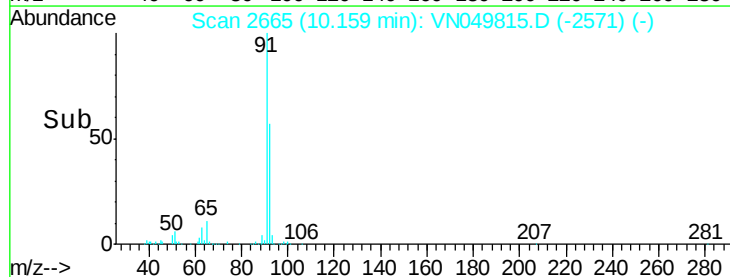
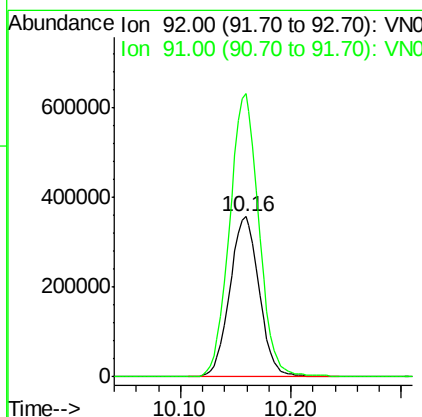
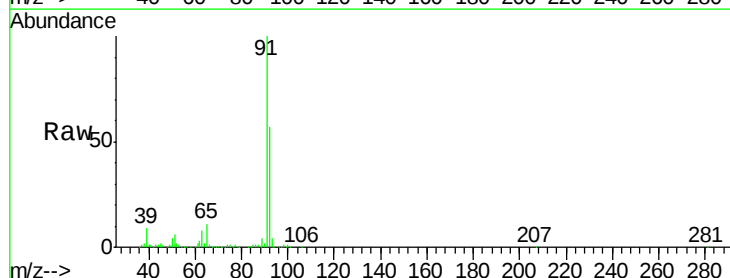
Manual Integrations
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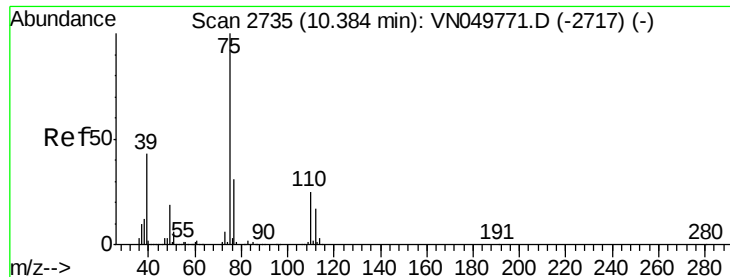
MMDadoda
7/16/2018 11:02:49 AM



#52
Toluene
Concen: 19.28 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion: 92 Resp: 658401
Ion Ratio Lower Upper
92 100
91 177.1 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 17.70 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

ClientSampled :

VN0713WBS02

Tot Ion: 75 Resp: 341512

Ion Ratio Lower Upper

75 100

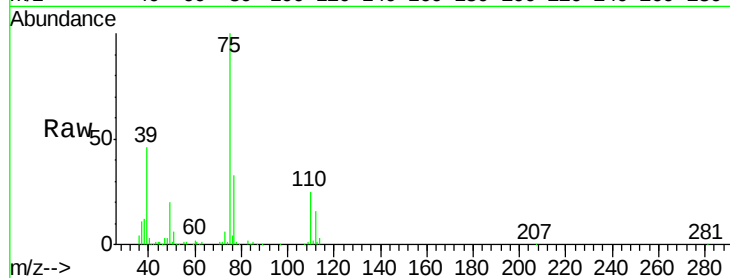
77 33.0 25.2 37.8

Manual Integrations

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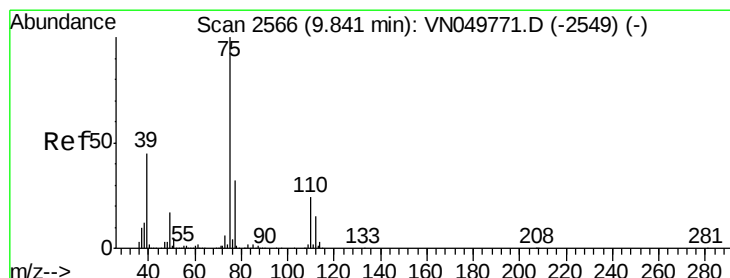
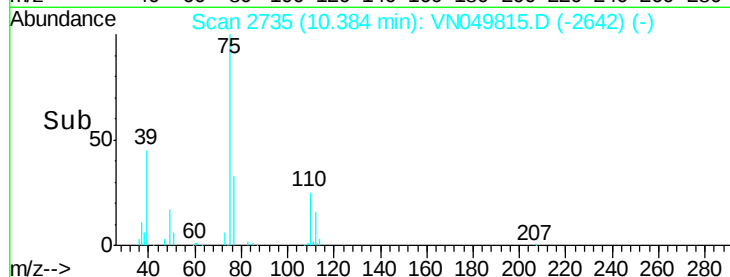
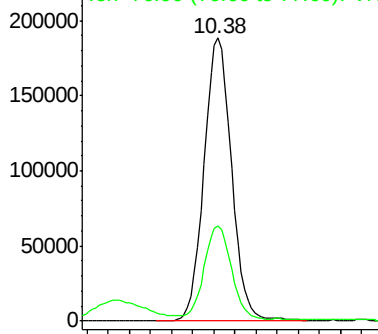
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.35 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

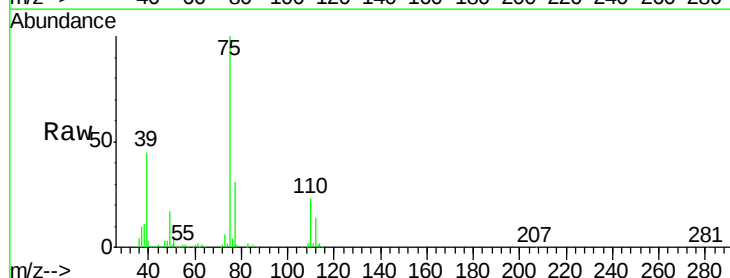
Tgt Ion: 75 Resp: 403095

Ion Ratio Lower Upper

75 100

77 30.8 25.3 37.9

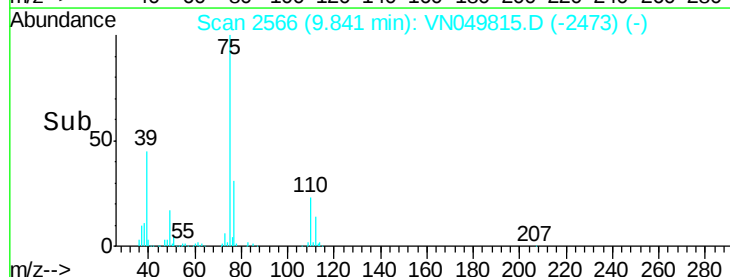
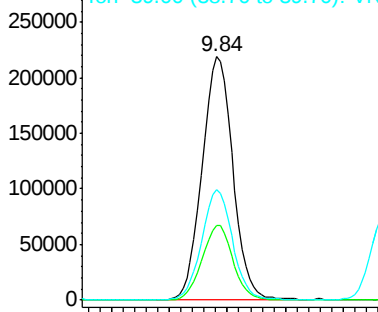
39 45.0 35.5 53.3

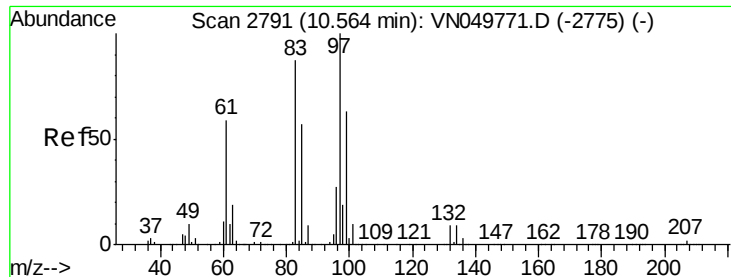


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





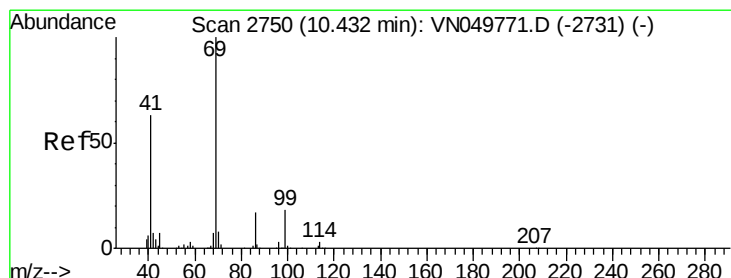
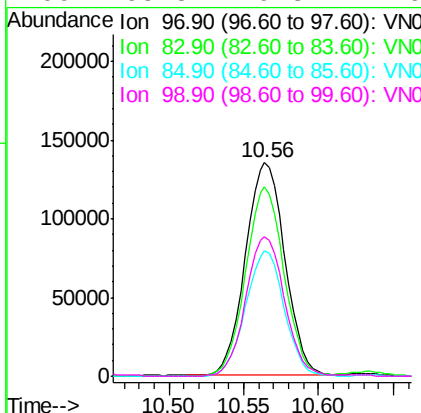
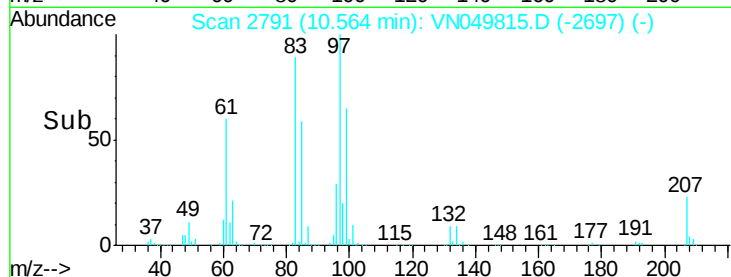
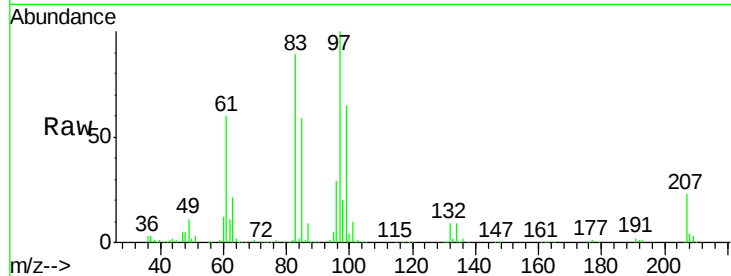
#55
 1,1,2-Trichloroethane
 Concen: 18.70 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		247074		
83	89.1	69.0	103.6		
85	59.3	44.9	67.3		
99	65.8	49.8	74.6		

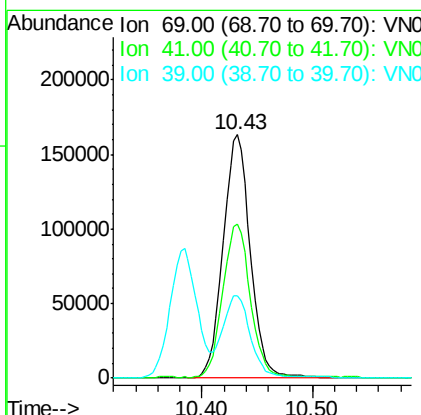
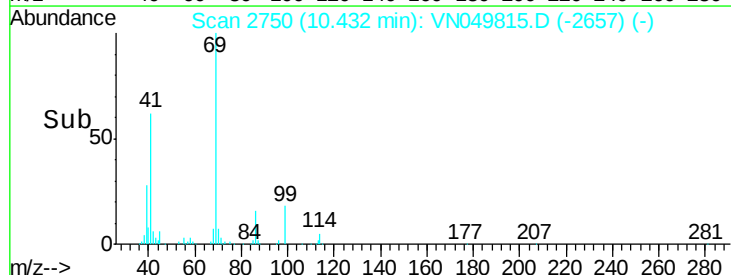
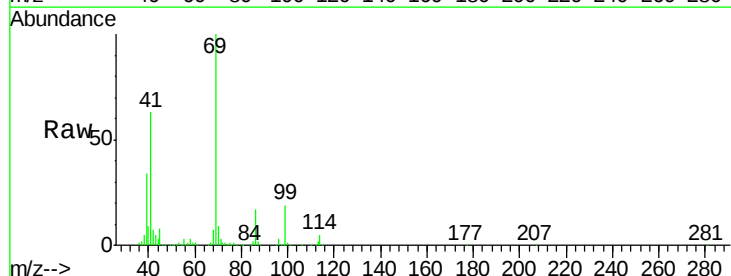
Manual Integrations
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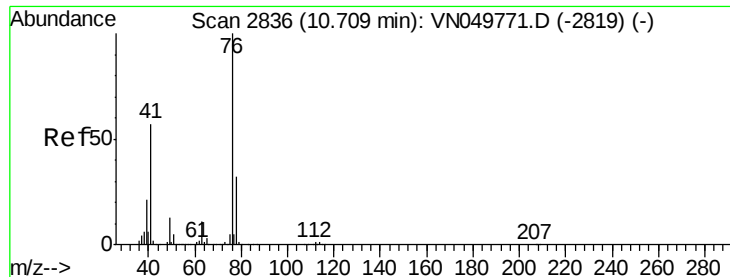
MMDadoda
 7/16/2018 11:02:49 AM



#56
 Ethyl methacrylate
 Concen: 18.12 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		279269		
41	63.3	51.6	77.4		
39	34.4	25.8	38.8		





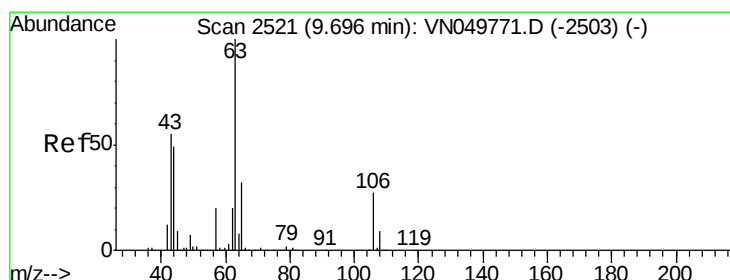
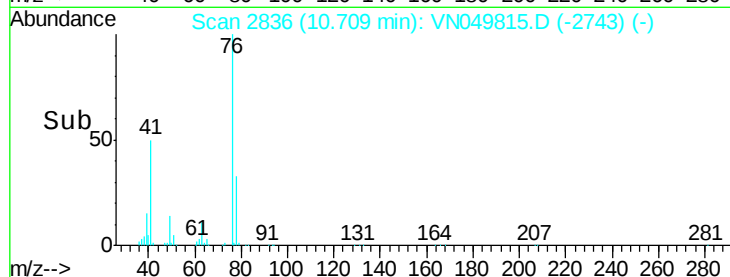
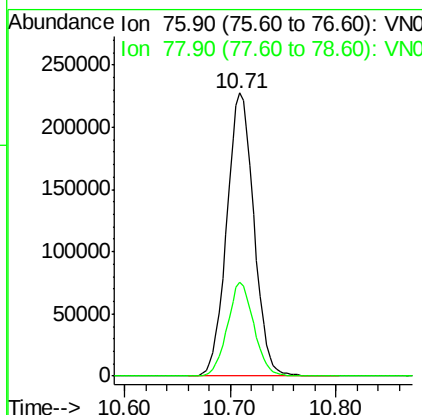
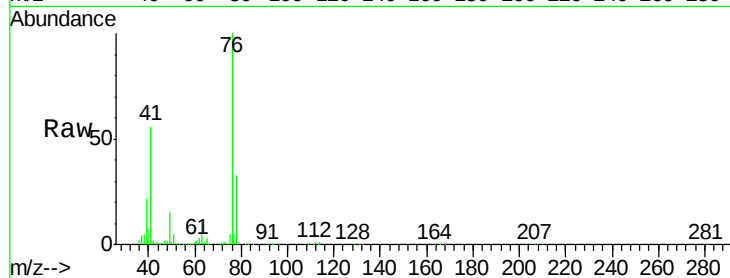
#57
 1,3-Dichloropropane
 Concen: 18.58 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

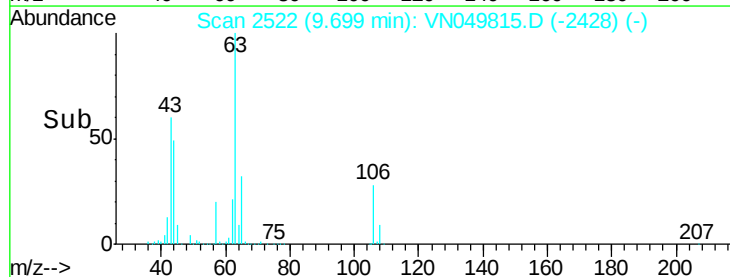
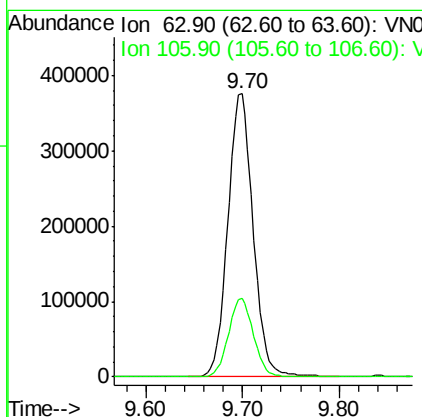
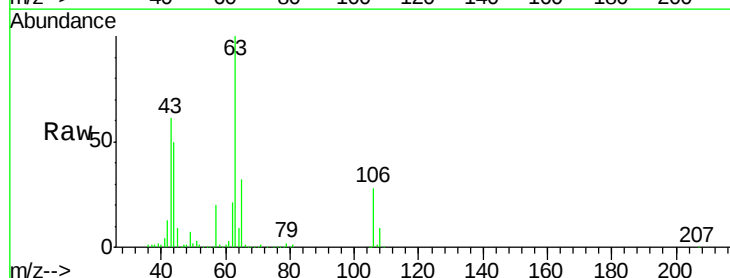
Manual Integrations
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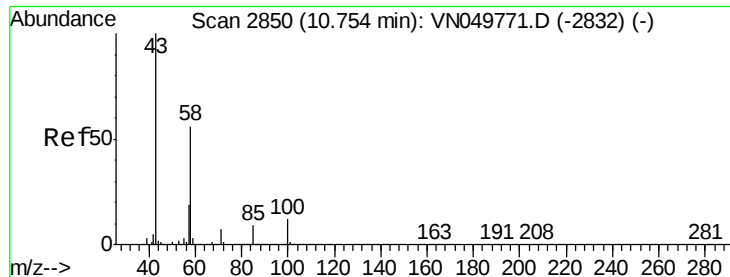
MMDadoda
 7/16/2018 11:02:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.34 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.8	32.8





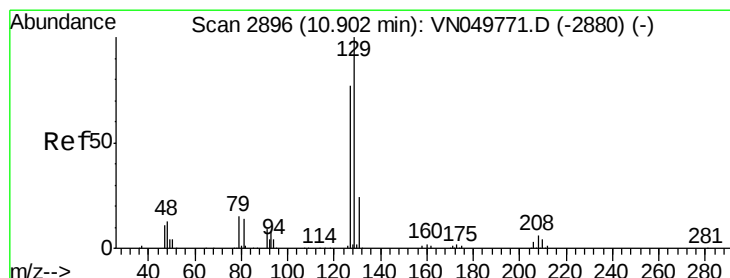
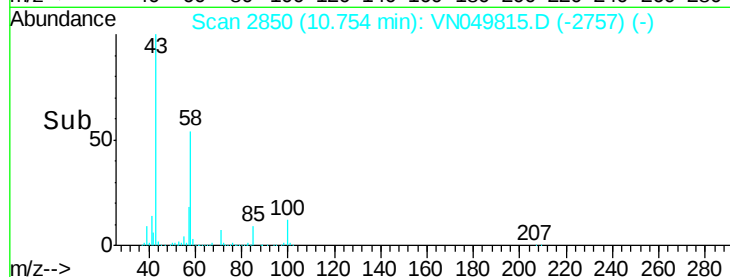
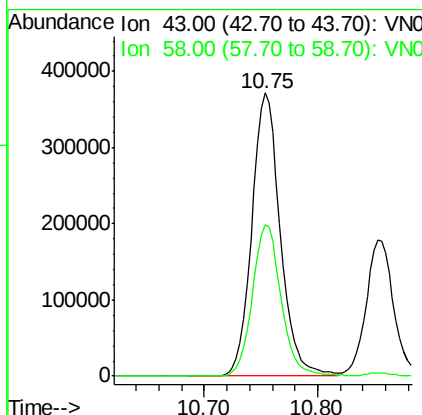
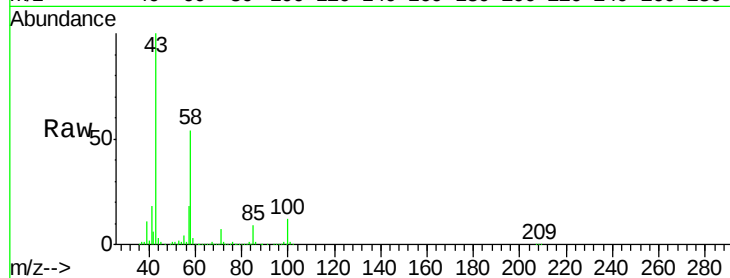
#59
2-Hexanone
Concen: 88.18 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampled :
VN0713WBS02

Tot Ion: 43 Resp: 645893
Ion Ratio Lower Upper
43 100
58 54.3 27.8 83.4

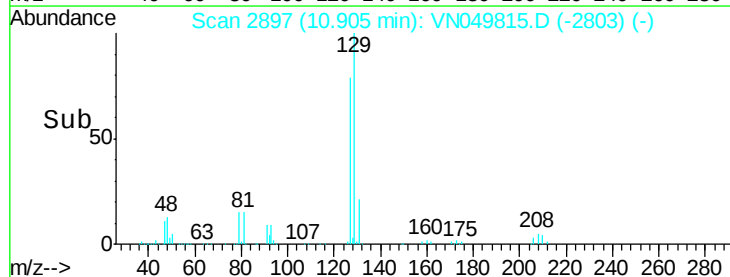
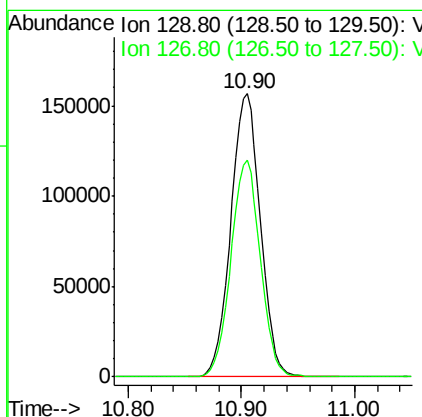
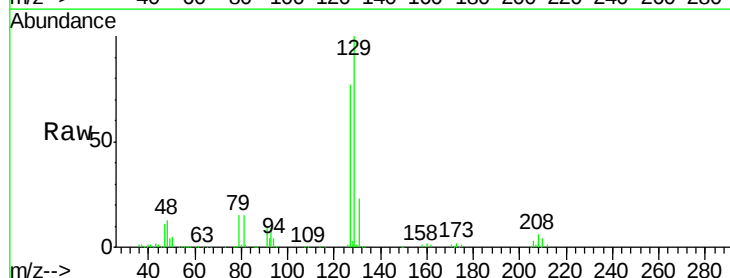
Manual Integrations
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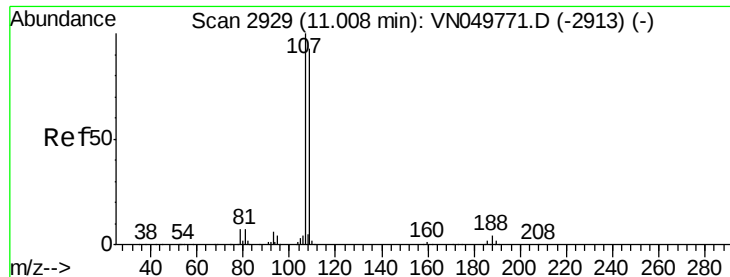
MMDadoda
7/16/2018 11:02:49 AM



#60
Dibromochloromethane
Concen: 19.02 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion: 129 Resp: 284522
Ion Ratio Lower Upper
129 100
127 76.1 38.3 114.9





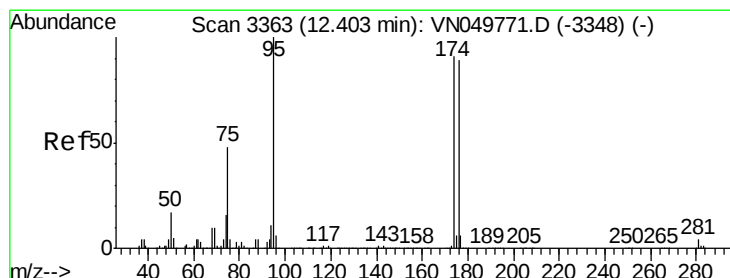
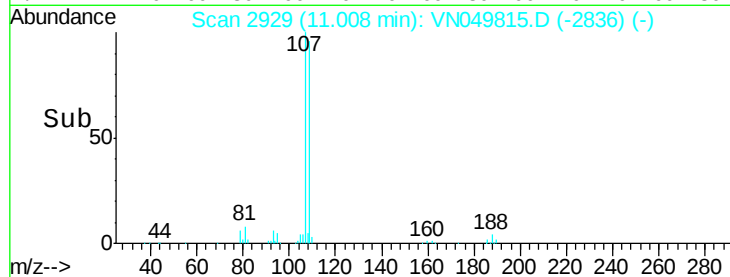
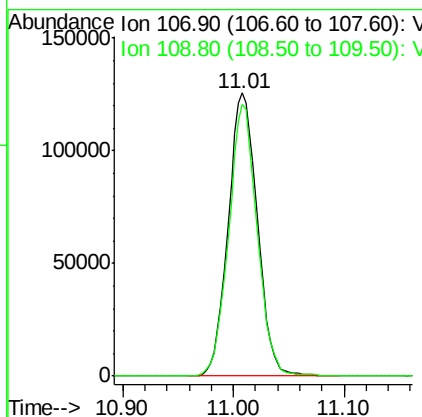
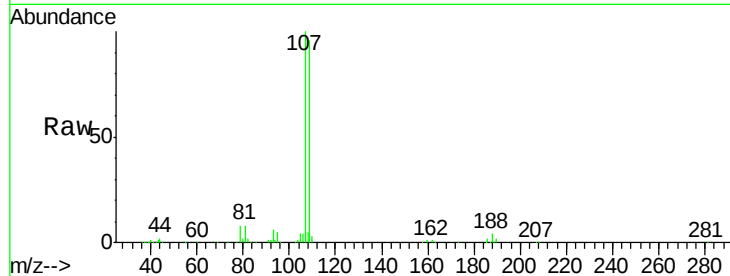
#61
 1,2-Dibromoethane
 Concen: 18.55 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.0	112.6

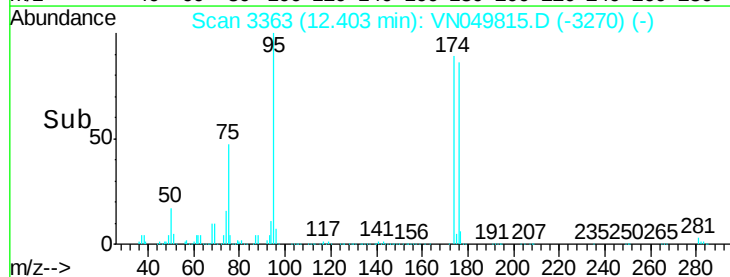
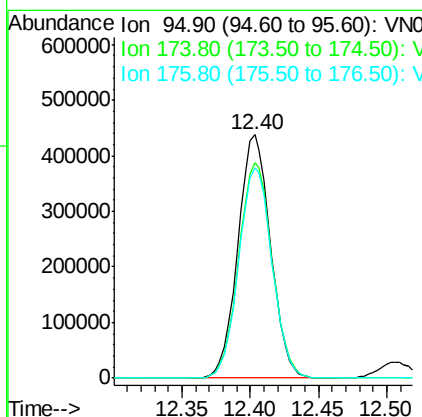
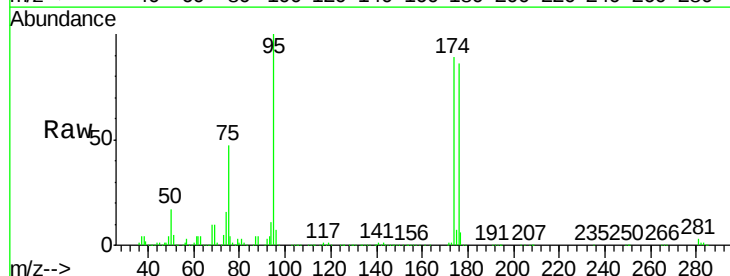
Manual Integrations
 APPROVED

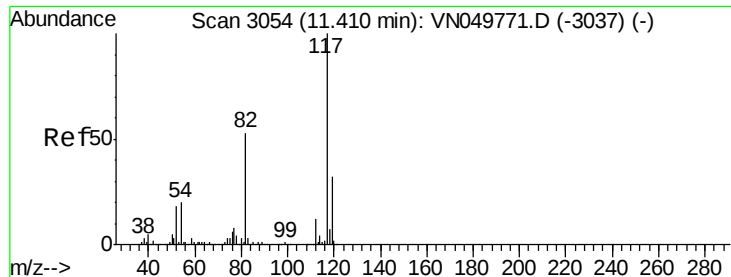
MMDadoda
 7/16/2018 11:02:49 AM



#62
 4-Bromofluorobenzene
 Concen: 47.60 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	179.6
176	88.3	0.0	174.0





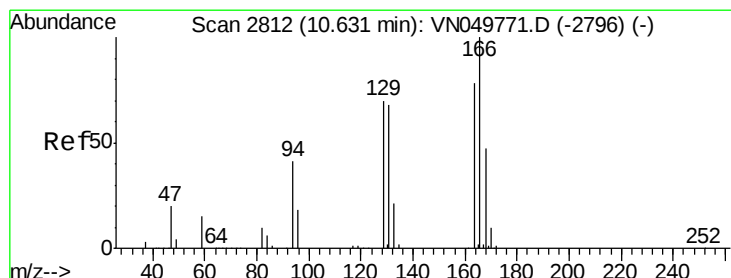
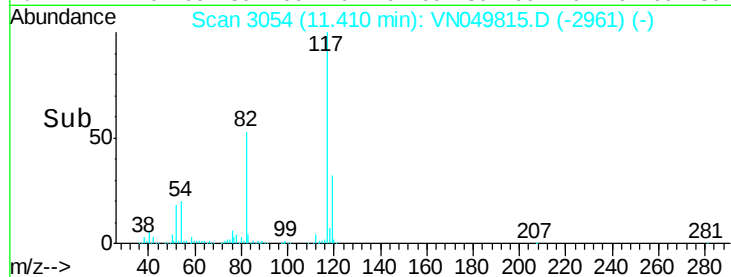
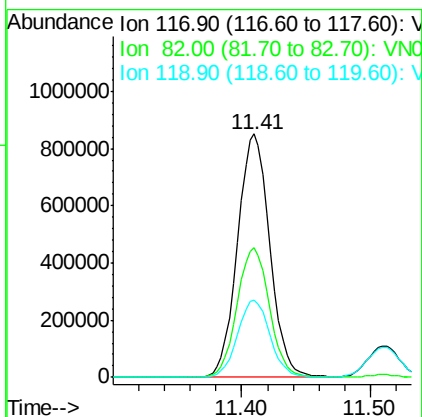
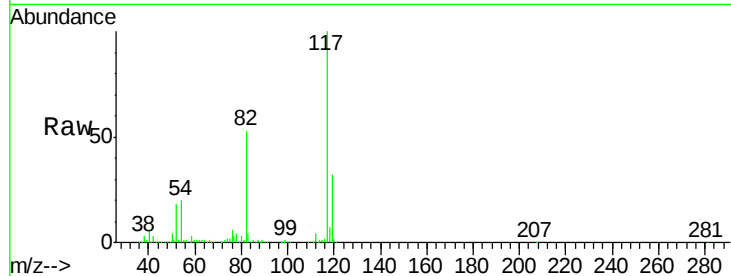
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion:117 Resp: 1481365
Ion Ratio Lower Upper
117 100
82 53.1 41.9 62.9
119 31.7 25.4 38.2

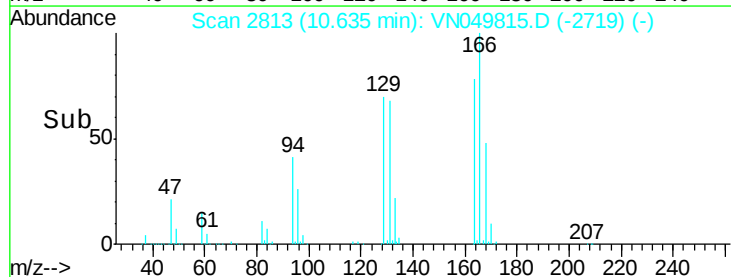
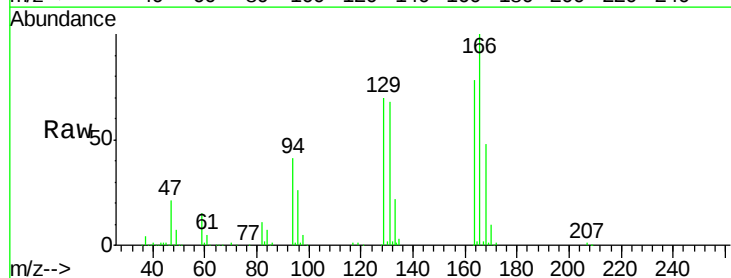
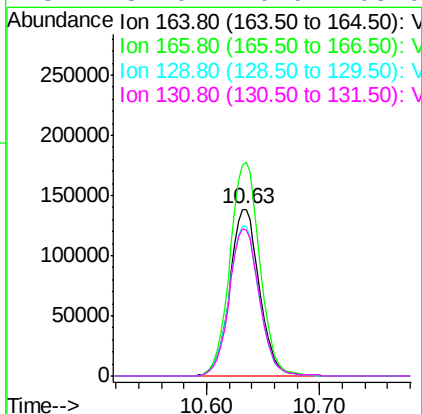
Manual Integrations
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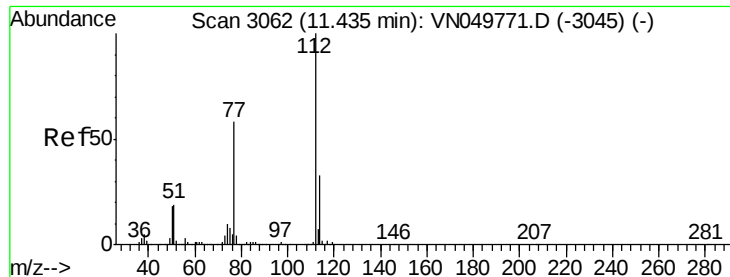
MMDadoda
7/16/2018 11:02:49 AM



#64
Tetrachloroethene
Concen: 18.82 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion:164 Resp: 253111
Ion Ratio Lower Upper
164 100
166 128.0 101.8 152.6
129 89.5 72.8 109.2
131 87.0 70.0 105.0





#65

Chlorobenzene

Concen: 18.79 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS02

Tot Ion:112 Resp: 725050

Ion Ratio Lower Upper

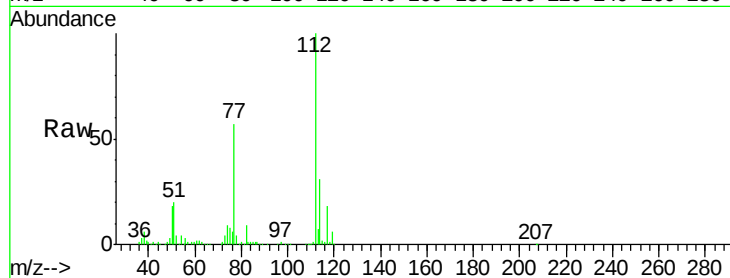
112 100

114 30.9 25.4 38.0

Manual Integrations
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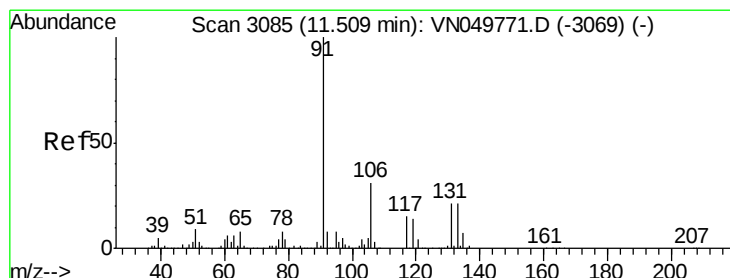
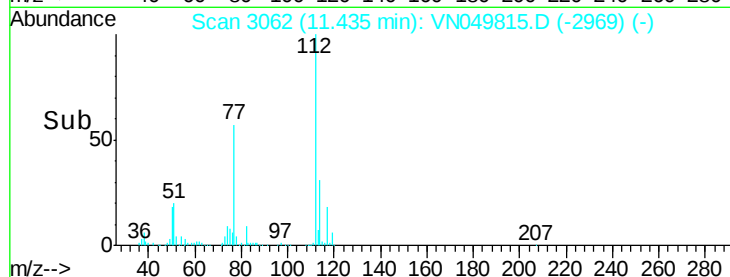
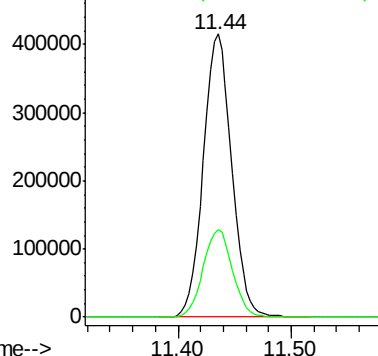
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.43 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

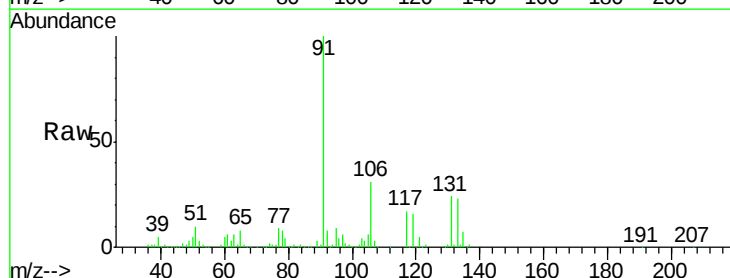
Tgt Ion:131 Resp: 282057

Ion Ratio Lower Upper

131 100

133 94.4 47.5 142.6

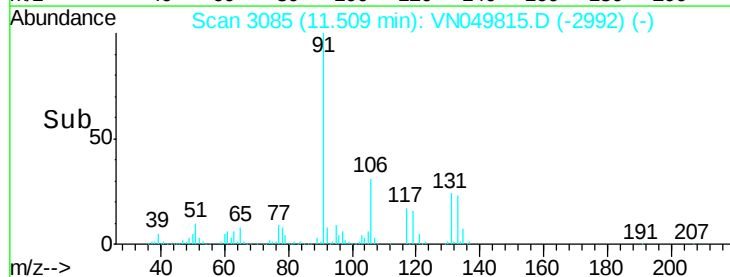
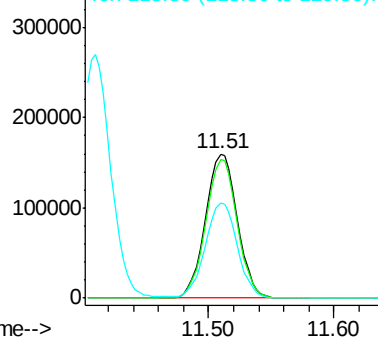
119 66.4 33.1 99.3

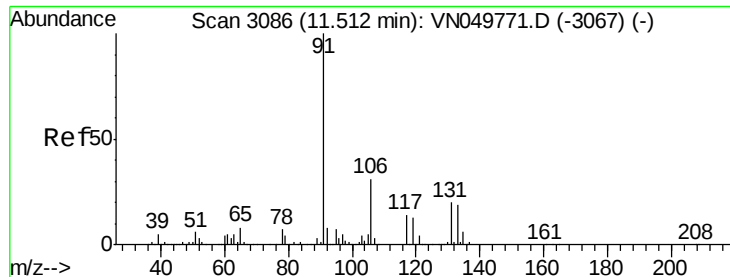


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.73 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS02

Tot Ion: 91 Resp: 1183375

Ion Ratio Lower Upper

91 100

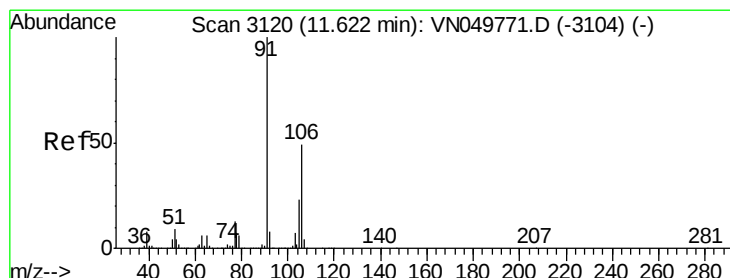
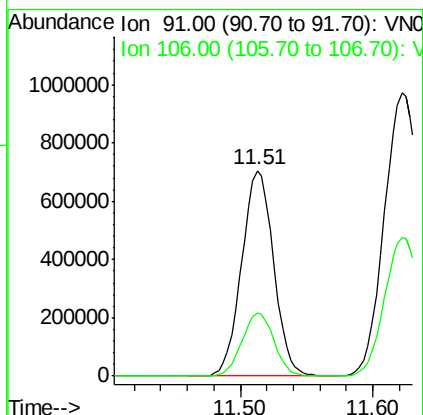
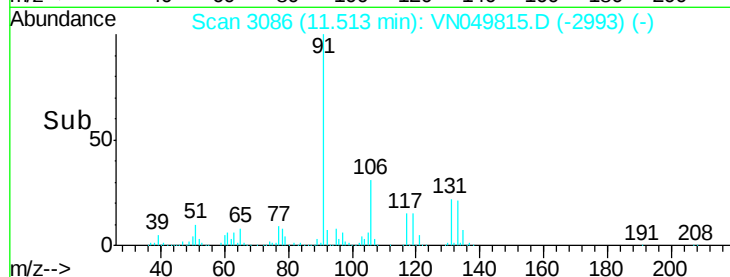
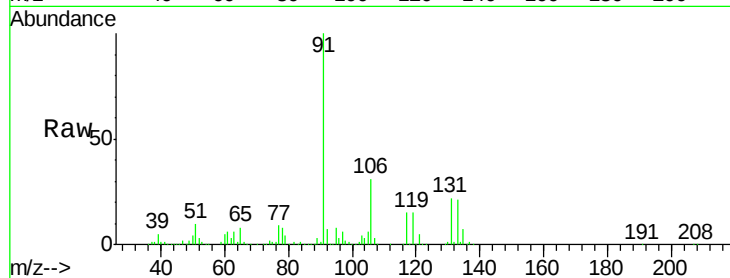
106 30.6 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.64 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049815.D

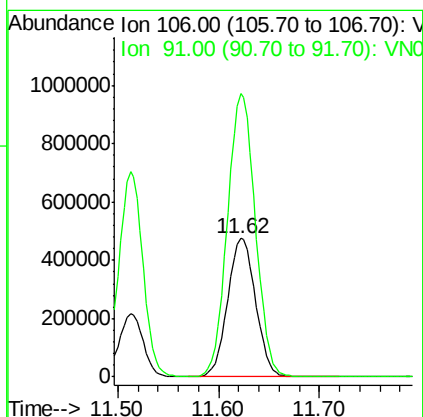
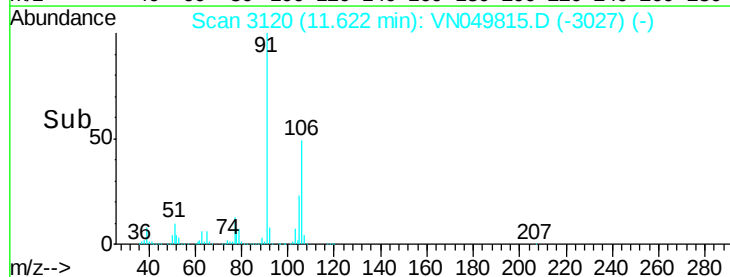
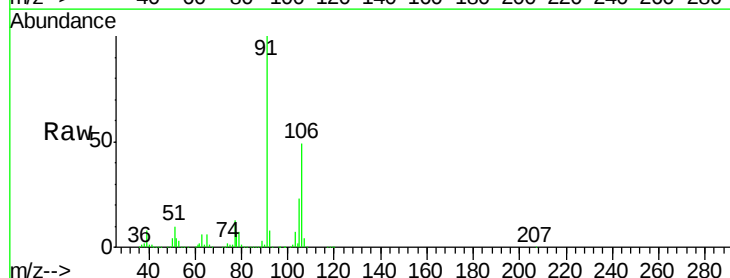
Acq: 13 Jul 2018 23:56

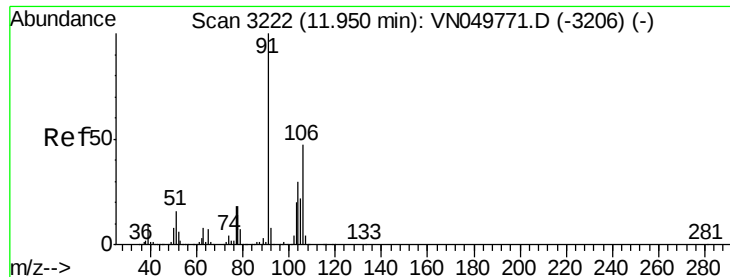
Tgt Ion: 106 Resp: 916437

Ion Ratio Lower Upper

106 100

91 204.1 163.4 245.2





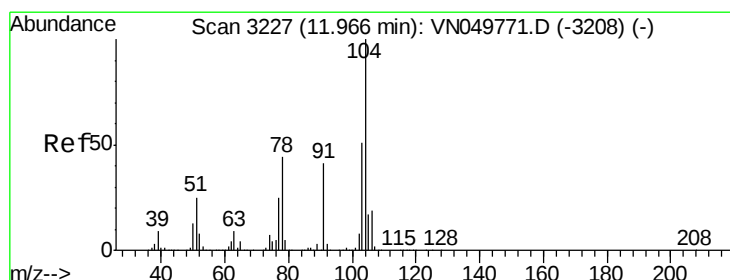
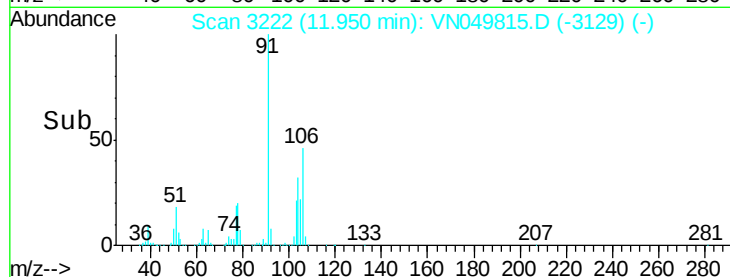
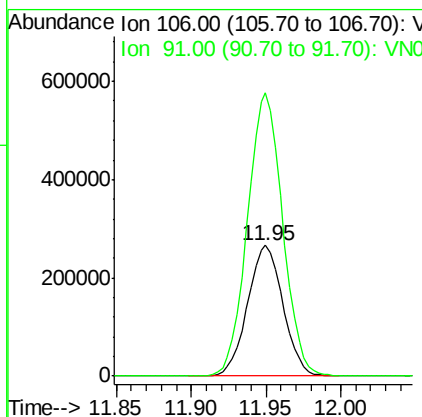
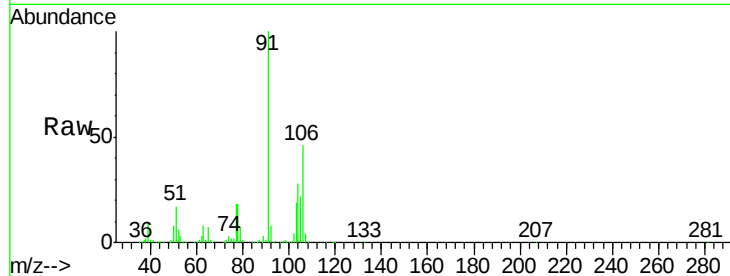
#69
o-Xylene
Concen: 19.17 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion:106 Resp: 439206
Ion Ratio Lower Upper
106 100
91 214.3 108.7 326.1

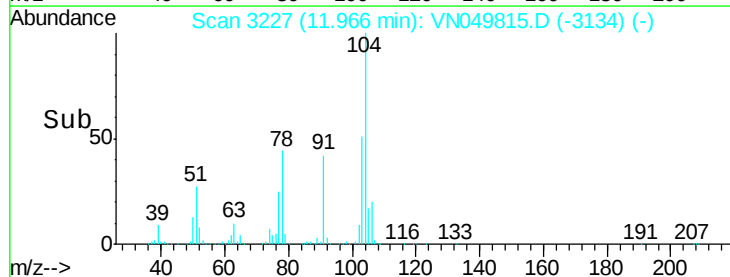
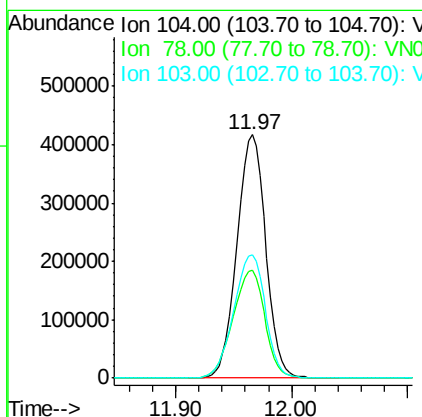
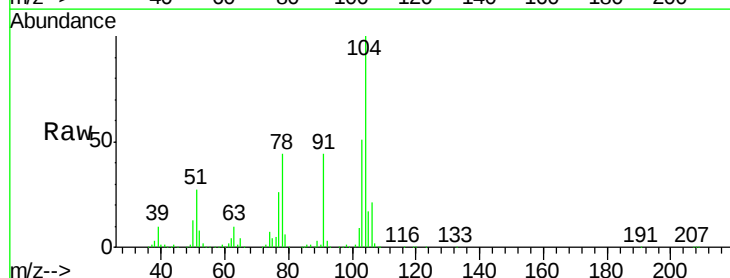
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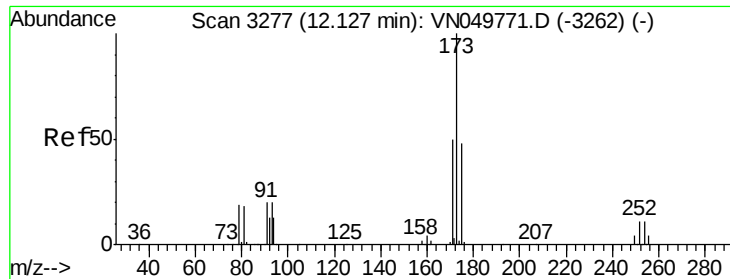
MMDadoda
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#70
Styrene
Concen: 19.70 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion:104 Resp: 717010
Ion Ratio Lower Upper
104 100
78 49.4 39.2 58.8
103 55.9 44.6 67.0





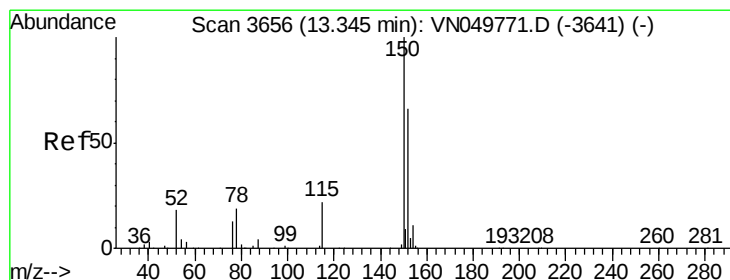
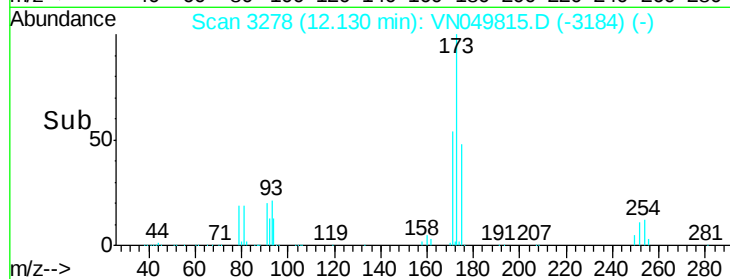
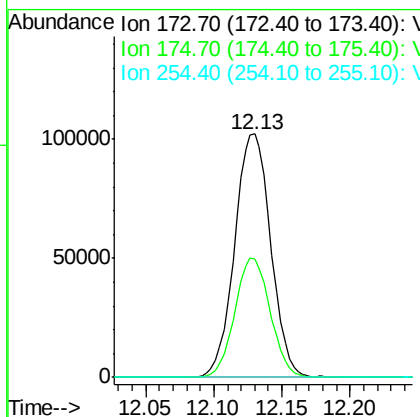
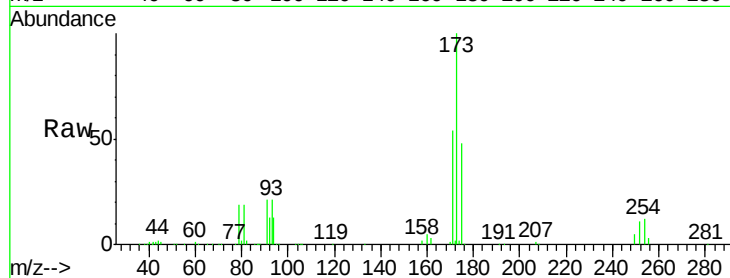
#71
Bromoform
Concen: 19.06 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	73.8
254	0.1	0.2	0.2#

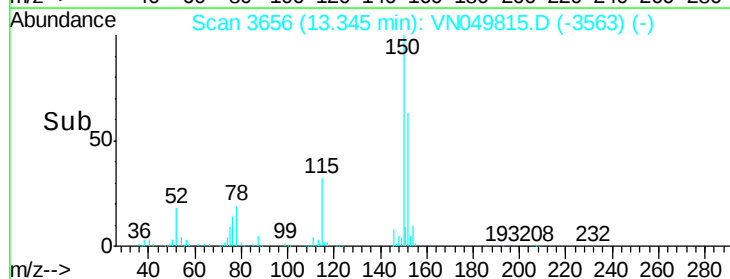
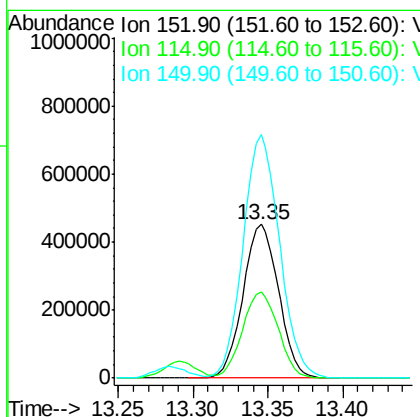
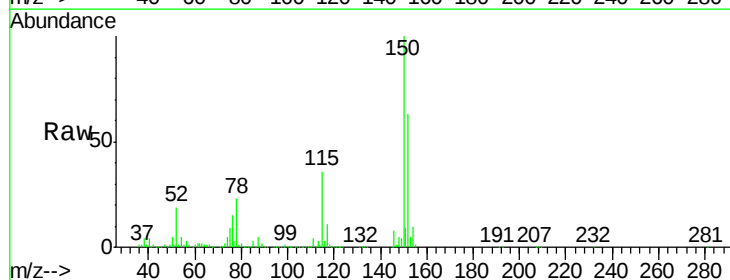
Manual Integrations
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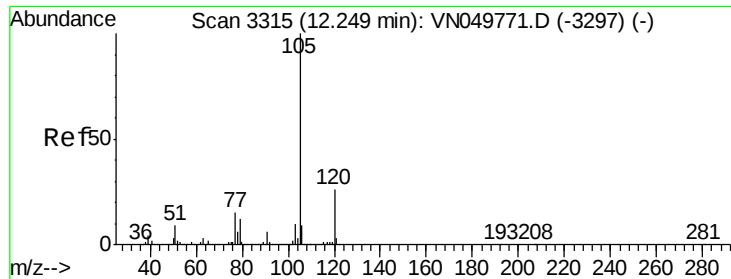
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.1	84.2
150	162.6	0.0	347.6





#73

Isopropylbenzene

Concen: 19.18 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS02

Tot Ion: 105 Resp: 1192573

Ion Ratio Lower Upper

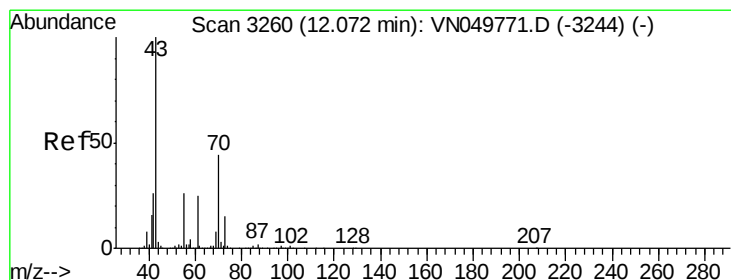
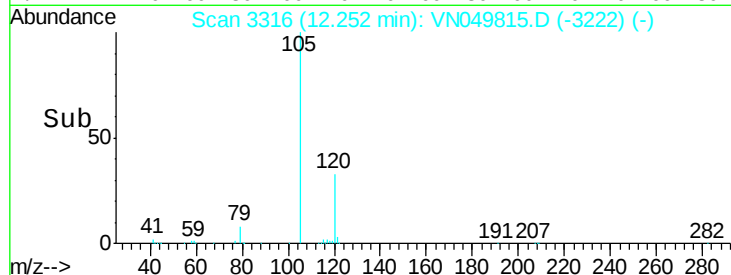
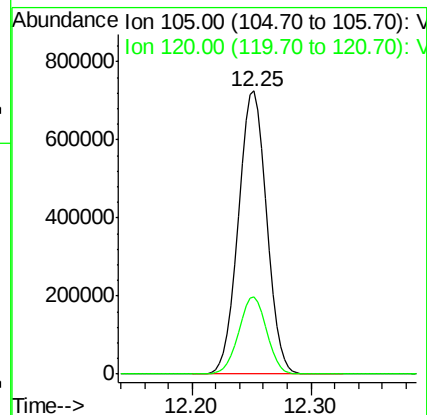
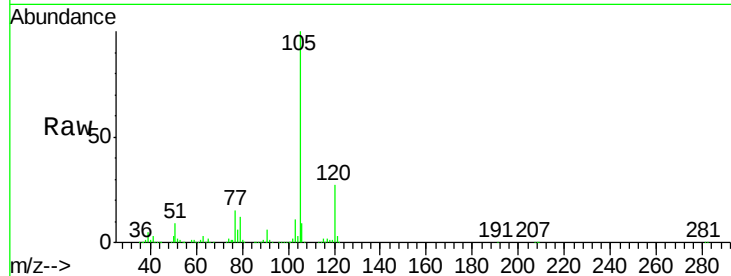
105 100

120 27.0 13.3 39.8

Manual Integrations
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MMDadoda

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#74

N-ethyl acetate

Concen: 18.39 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Tgt Ion: 43 Resp: 297514

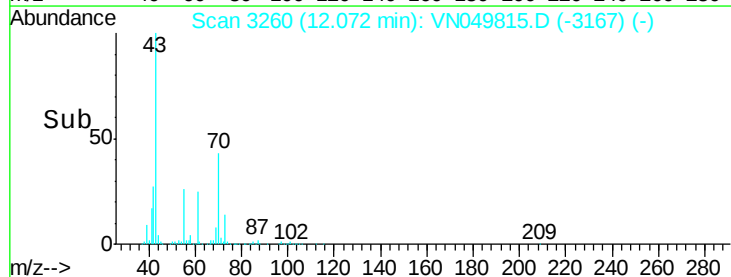
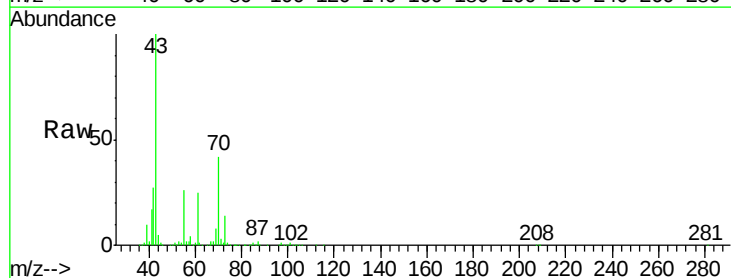
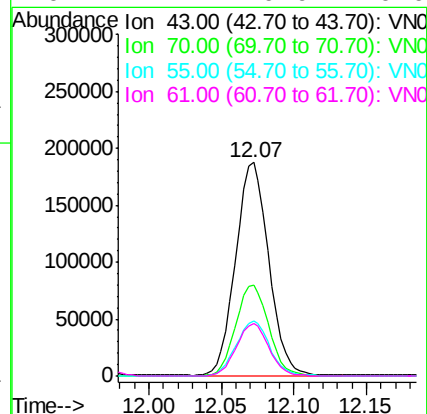
Ion Ratio Lower Upper

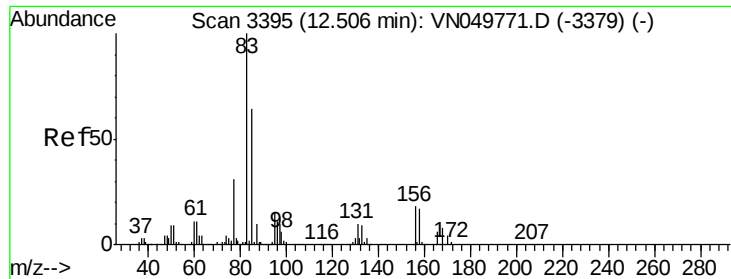
43 100

70 42.7 34.8 52.2

55 26.3 20.9 31.3

61 24.1 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.91 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS02

Tot Ion: 83 Resp: 302217

Ion Ratio Lower Upper

83 100

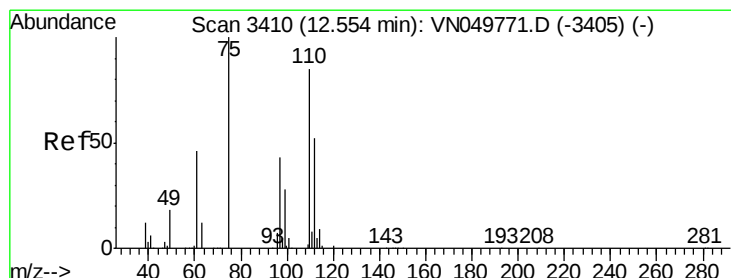
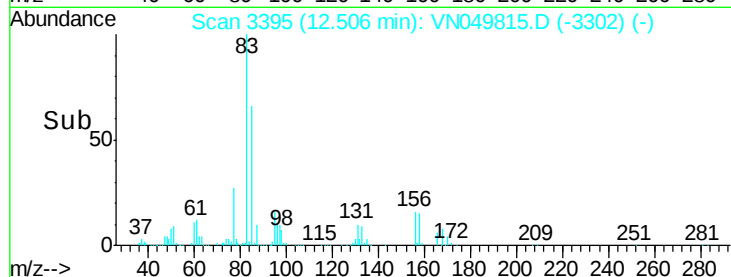
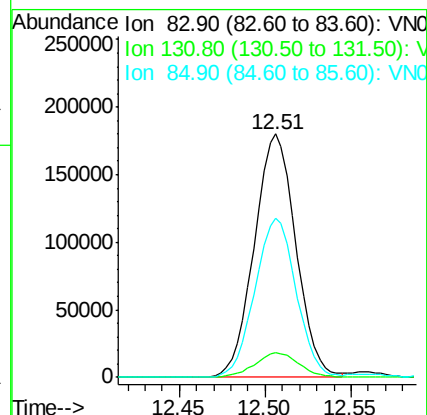
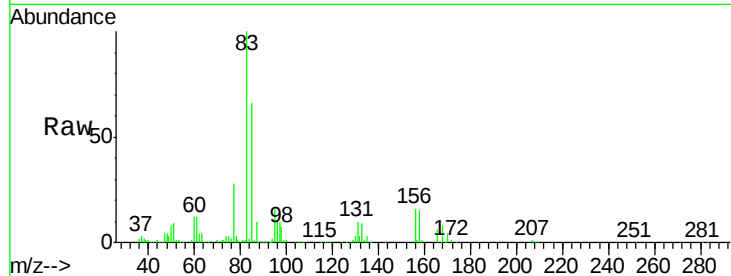
131 10.7 5.2 15.6

85 64.8 32.5 97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.02 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049815.D

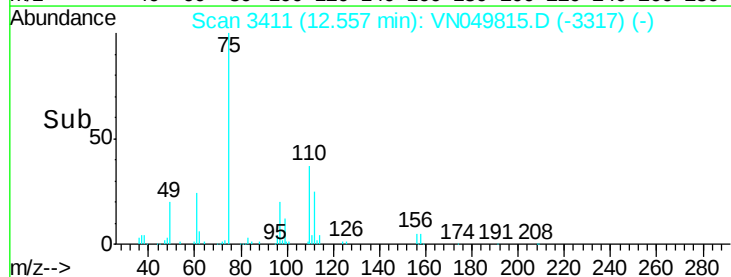
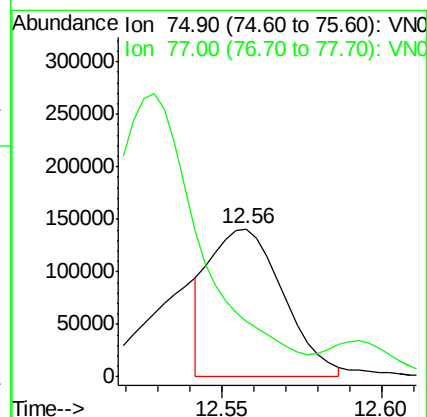
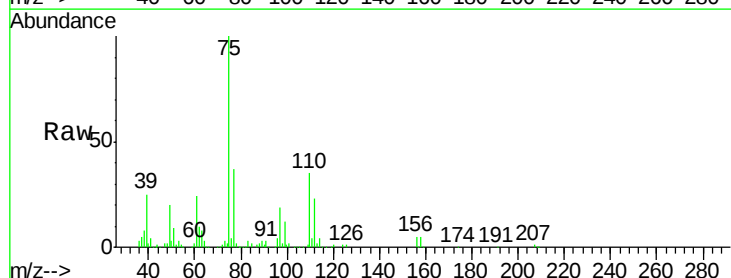
Acq: 13 Jul 2018 23:56

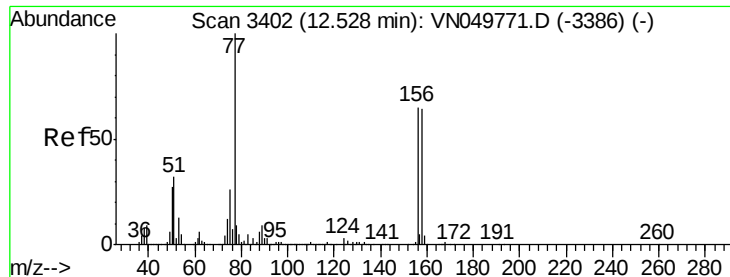
Tgt Ion: 75 Resp: 226168

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.87 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

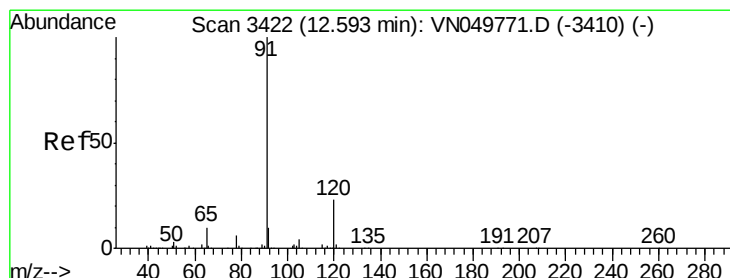
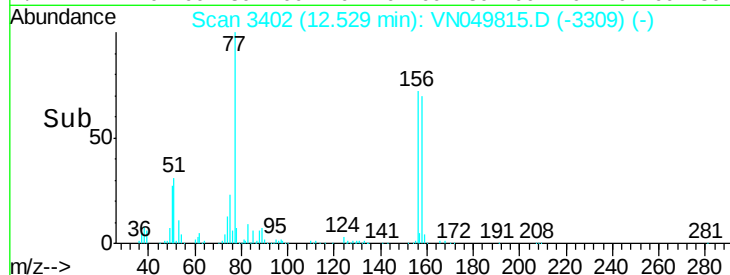
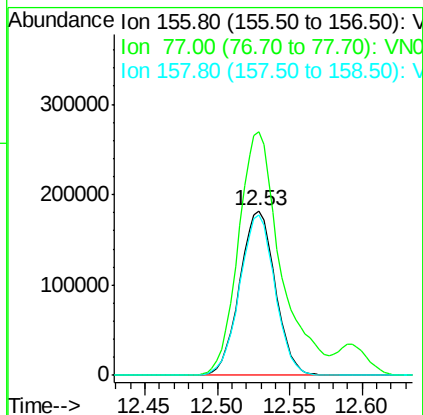
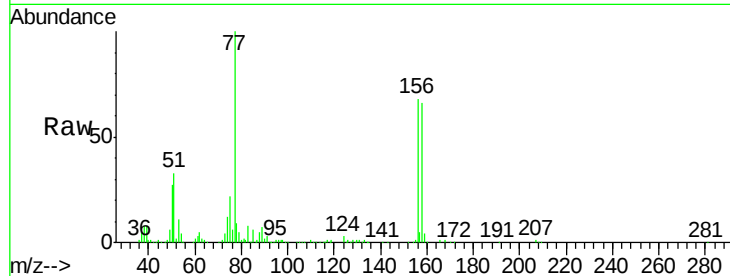
ClientSampleId :

VN0713WBS02

Tot Ion:	156	Resp:	311177
Ion Ratio	Lower	Upper	
156	100		
77	175.5	90.2	270.6
158	96.3	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 18.99 ug/l

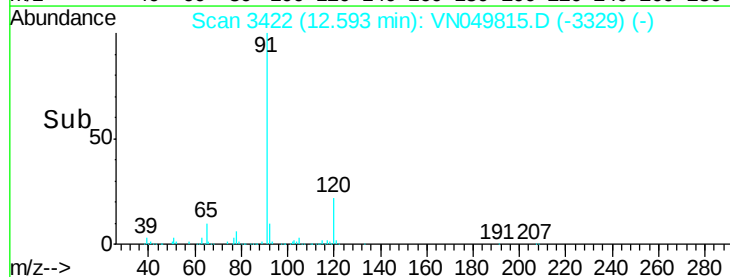
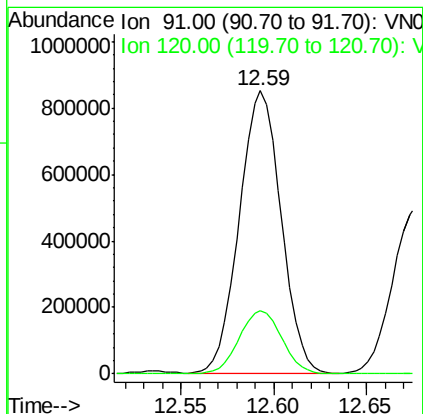
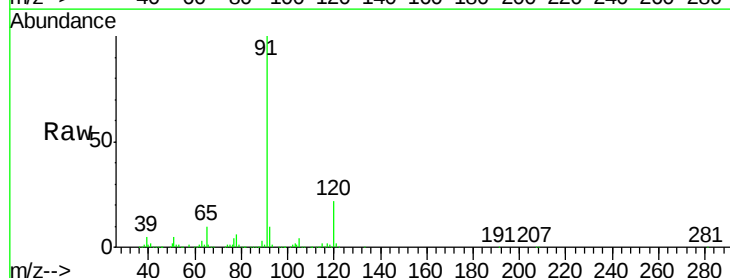
RT: 12.59 min Scan# 3422

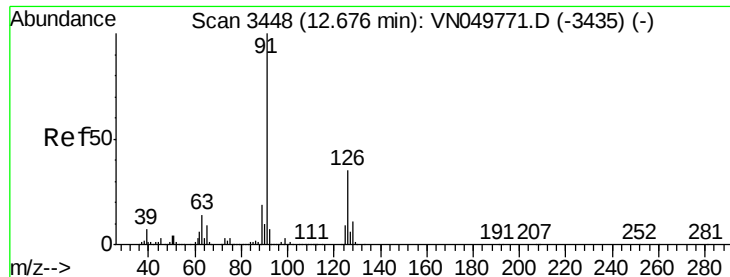
Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Tgt Ion:	91	Resp:	1331444
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.4





#79

2-Chlorotoluene

Concen: 19.31 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

ClientSampled :

VN0713WBS02

Tot Ion: 91 Resp: 828267

Ion Ratio Lower Upper

91 100

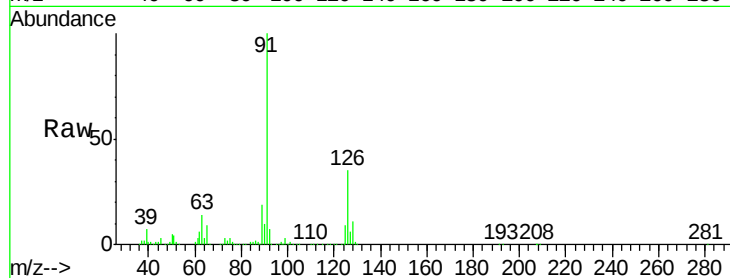
126 35.2 17.5 52.5

Manual Integrations

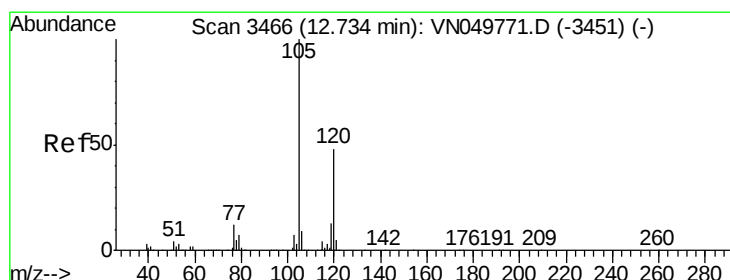
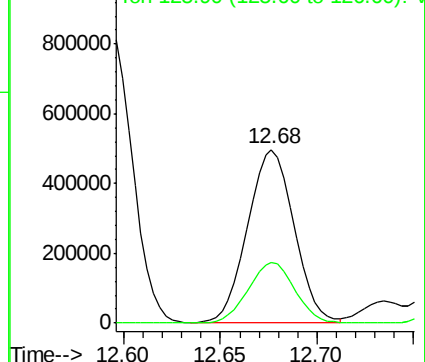
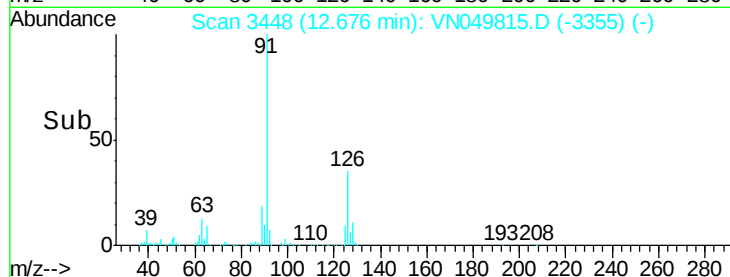
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Abundance Ion 91.00 (90.70 to 91.70): VN049815.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.53 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049815.D

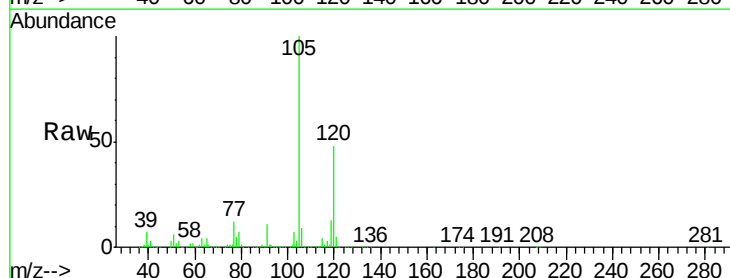
Acq: 13 Jul 2018 23:56

Tgt Ion: 105 Resp: 965149

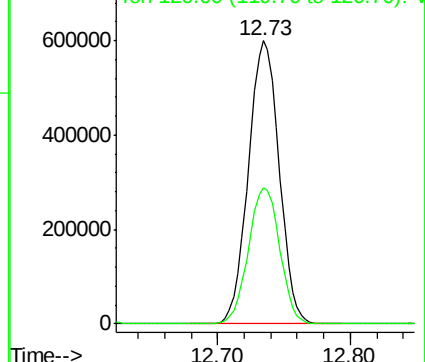
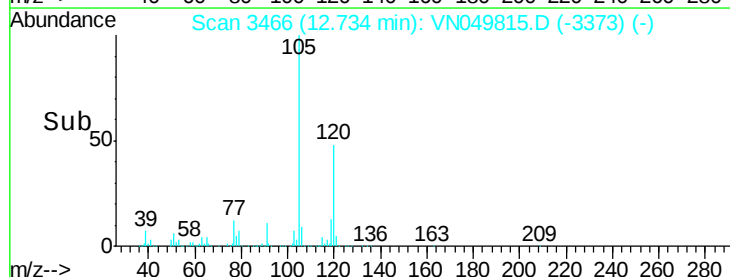
Ion Ratio Lower Upper

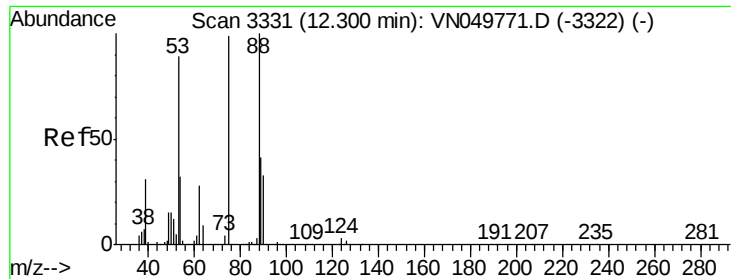
105 100

120 49.2 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049815.D (-3373) (-)





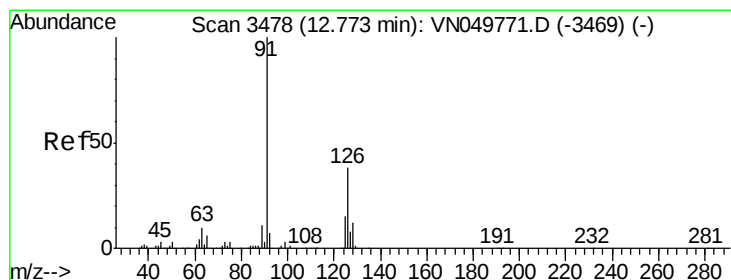
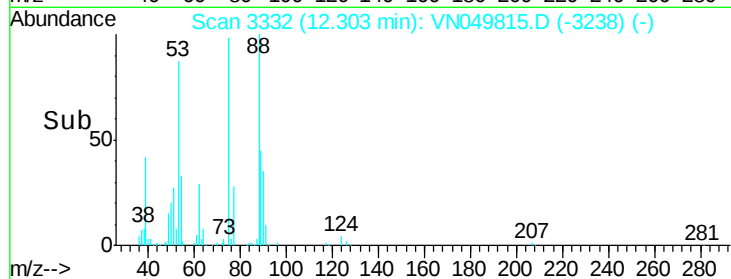
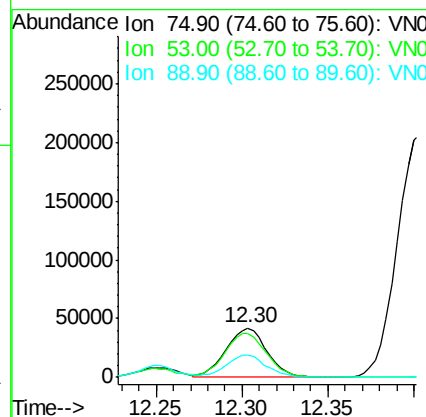
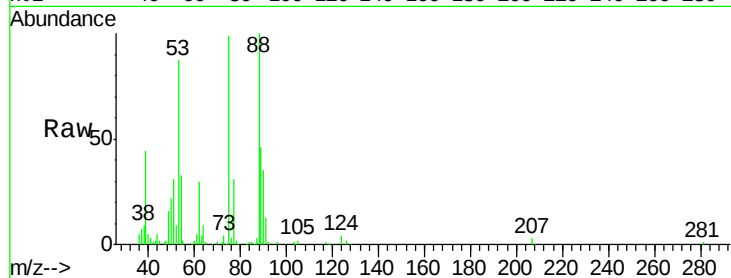
#81
trans-1,4-Dichloro-2-butene
Concen: 17.01 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.3	73.9	110.9
89	44.2	35.9	53.9

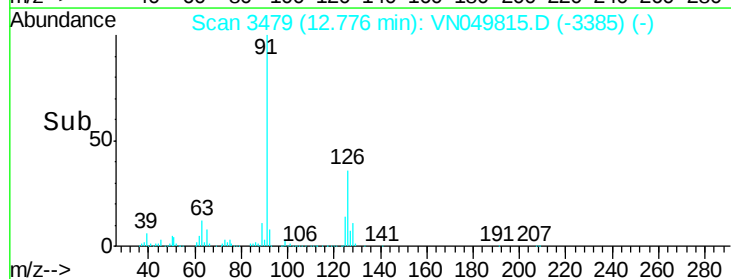
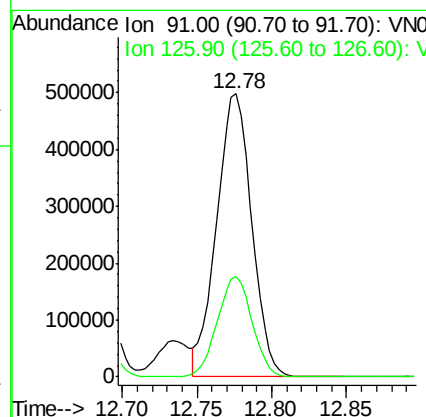
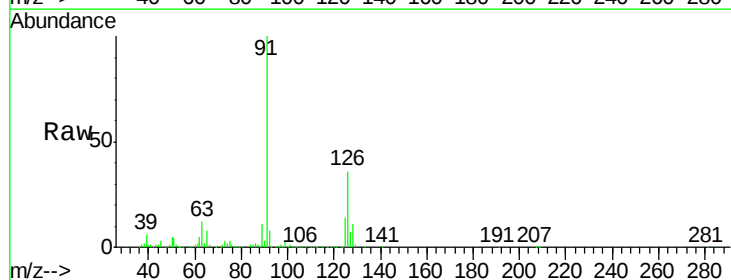
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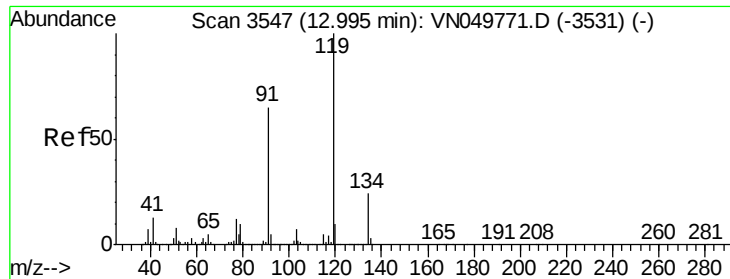
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#82
4-Chlorotoluene
Concen: 19.09 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.2	51.6





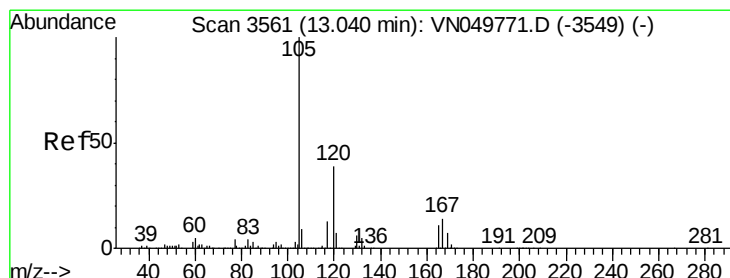
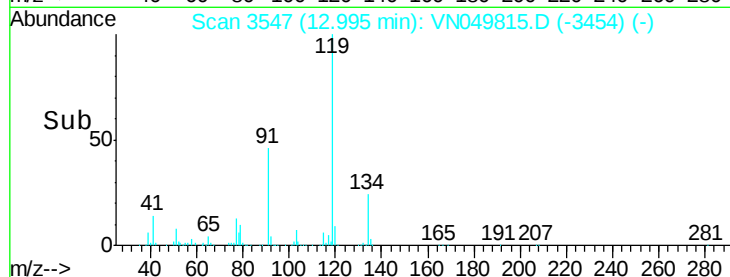
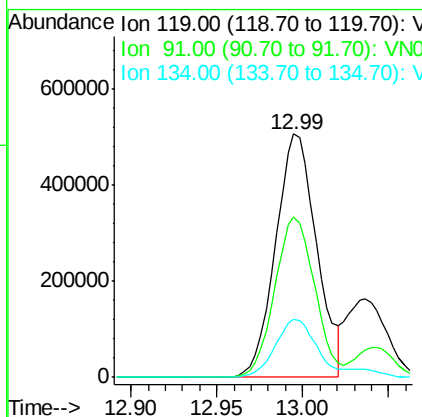
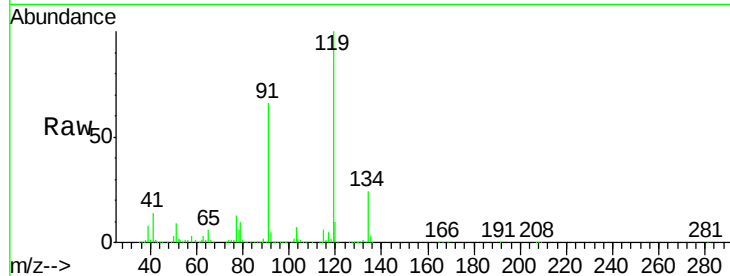
#83
 tert-Butylbenzene
 Concen: 18.96 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.0	96.2
134	23.8	12.8	38.4

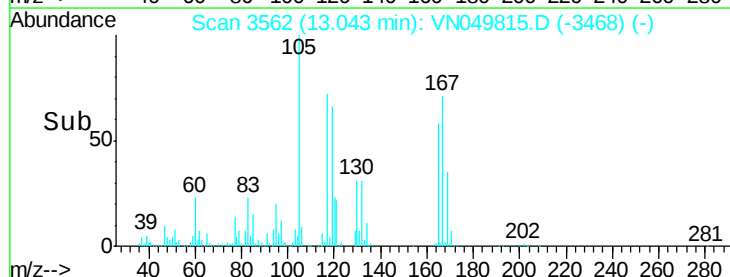
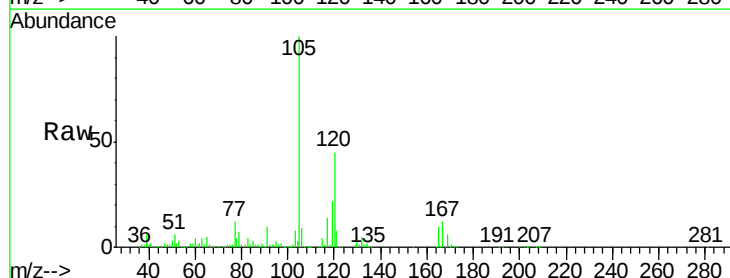
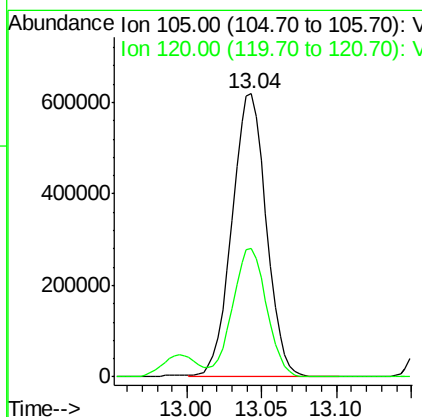
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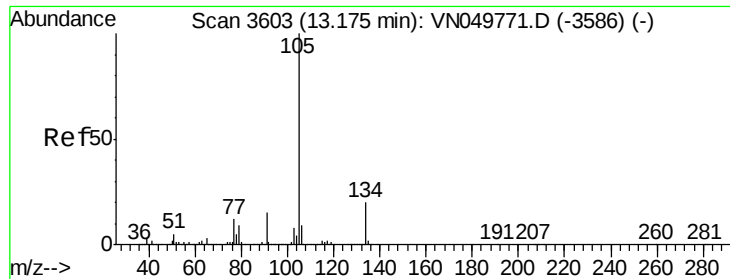
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.88 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1





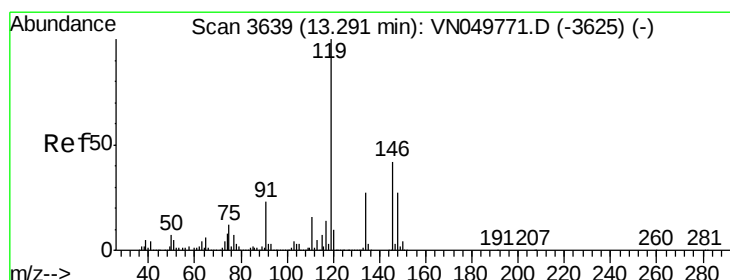
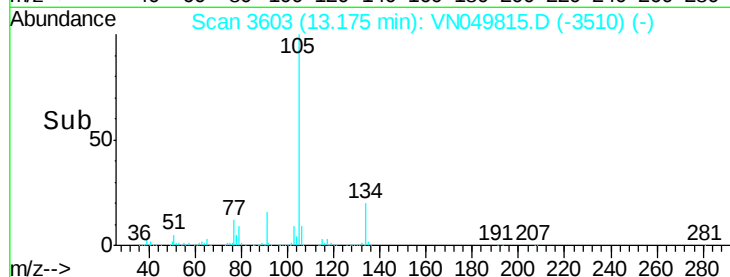
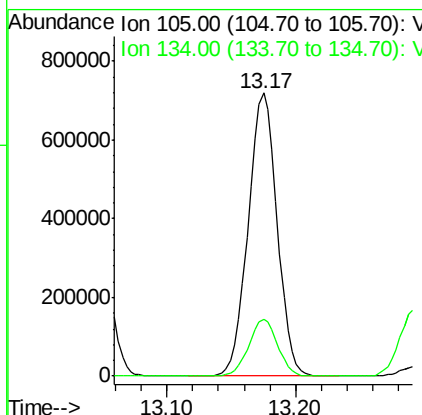
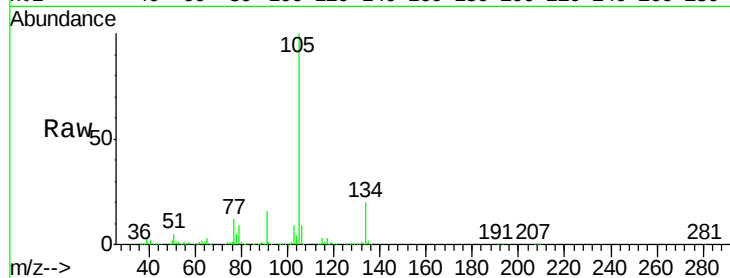
#85
 sec-Butylbenzene
 Concen: 19.37 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS02

Tot Ion:105 Resp: 1122140
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.1

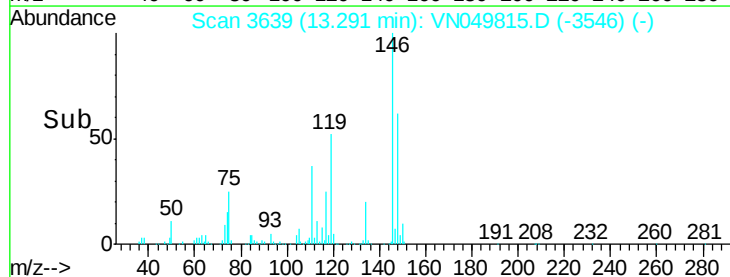
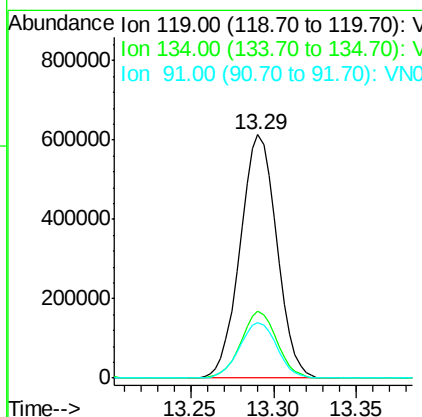
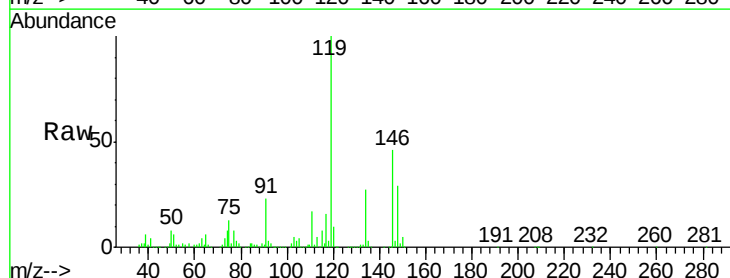
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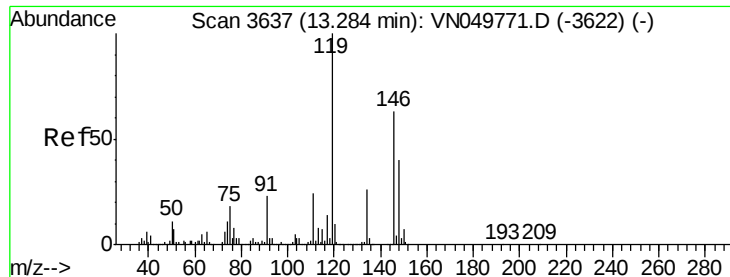
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#86
 p-Isopropyltoluene
 Concen: 19.21 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Tgt Ion:119 Resp: 941820
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.3 39.9
 91 23.1 11.4 34.1





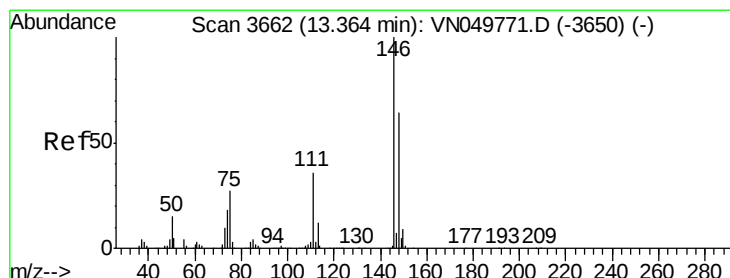
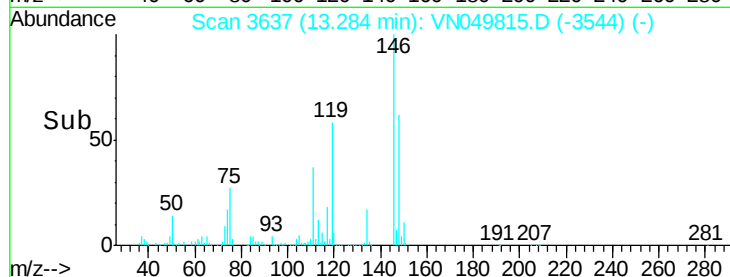
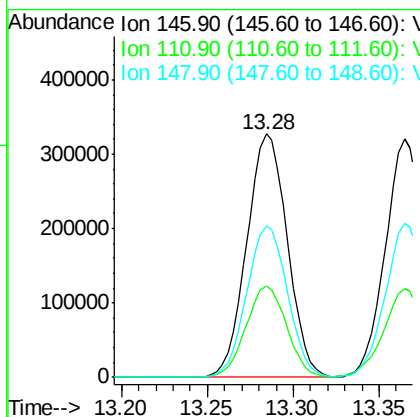
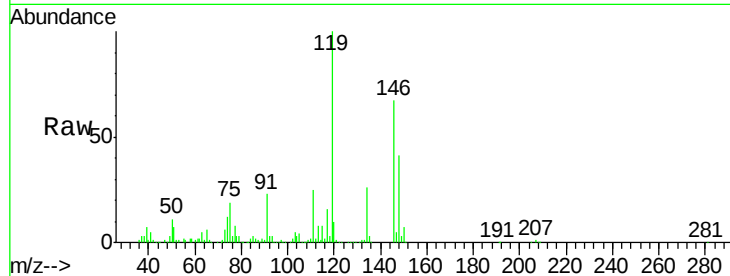
#87
 1,3-Dichlorobenzene
 Concen: 18.75 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.0	57.0
148	62.5	32.5	97.5

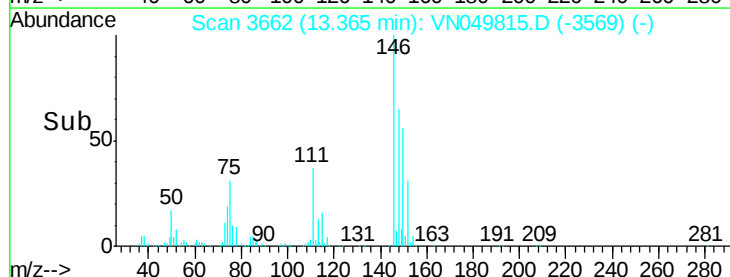
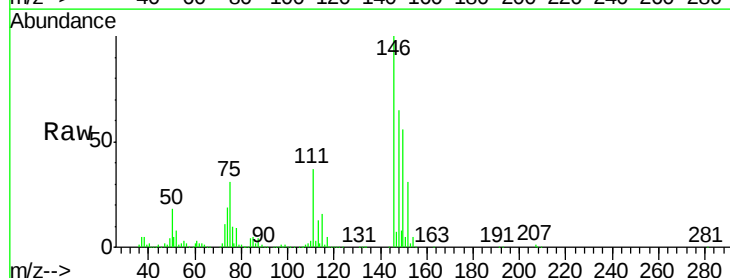
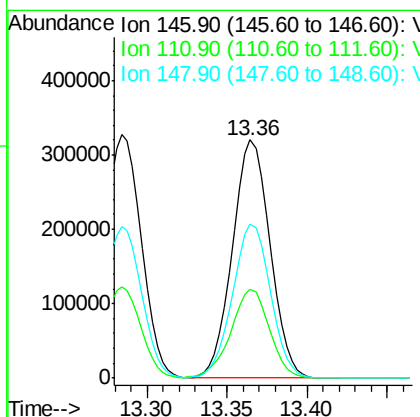
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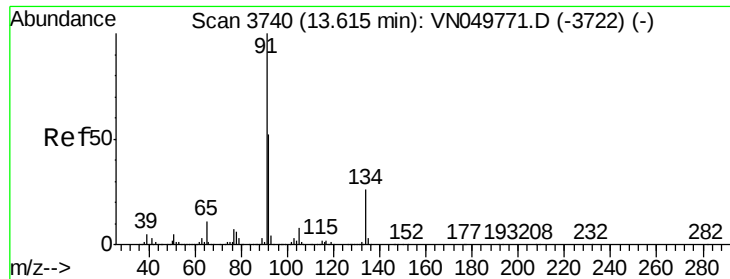
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#88
 1,4-Dichlorobenzene
 Concen: 18.45 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.5
148	65.4	32.1	96.3





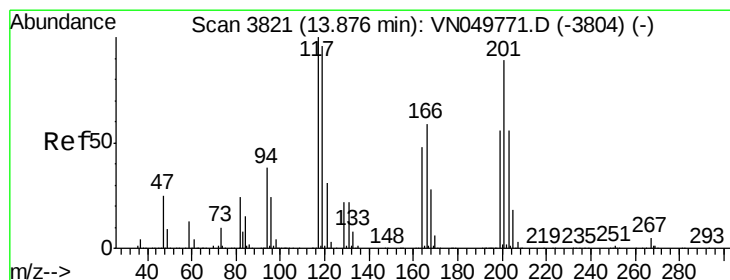
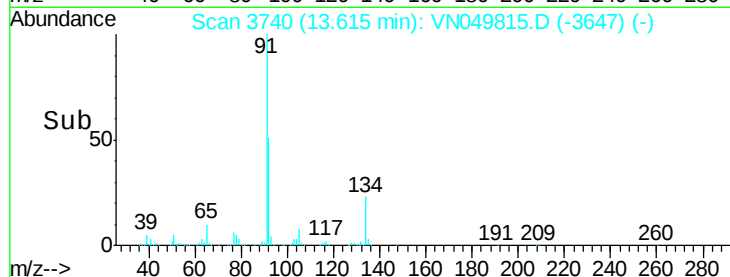
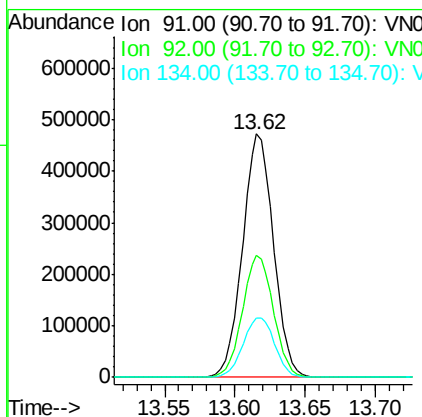
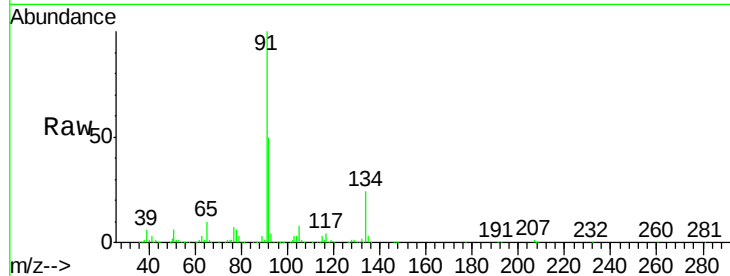
#89
n-Butylbenzene
Concen: 17.89 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.2	25.8	77.3
134	25.1	13.0	38.9

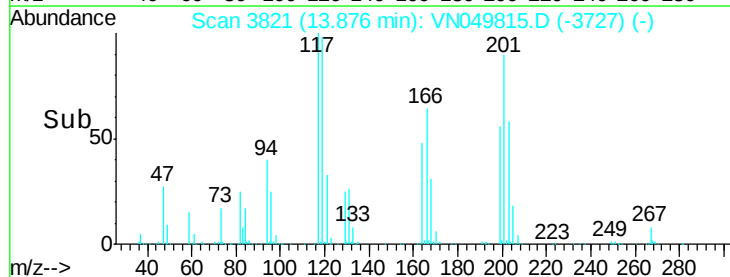
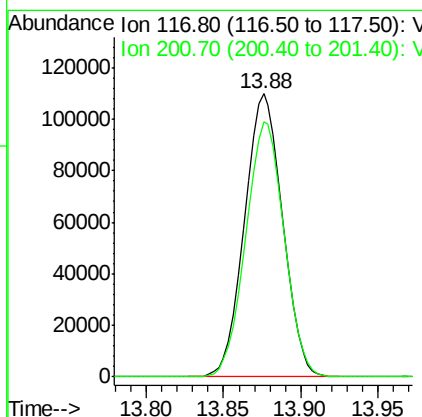
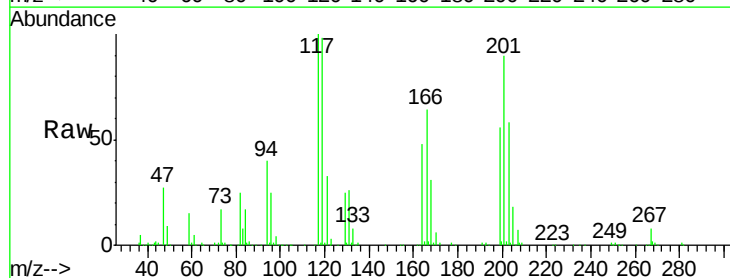
Manual Integrations
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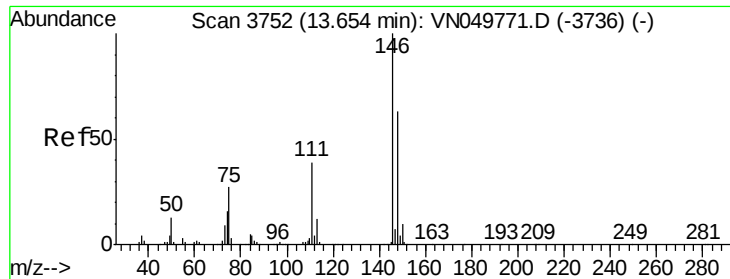
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#90
Hexachloroethane
Concen: 19.33 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.8	45.3	135.8





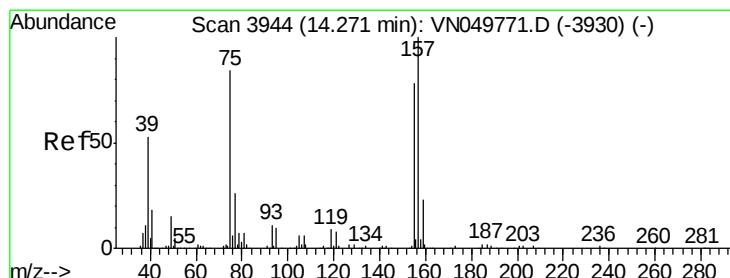
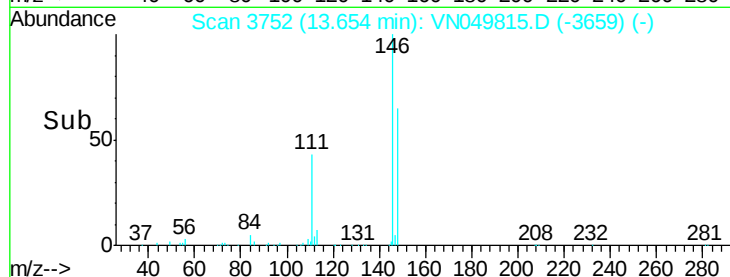
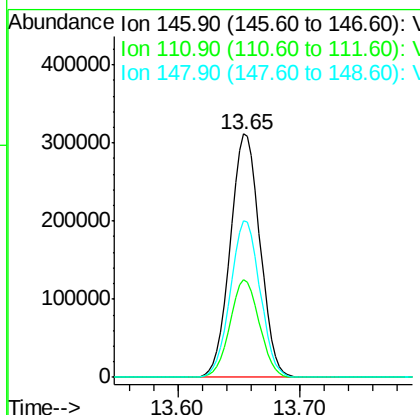
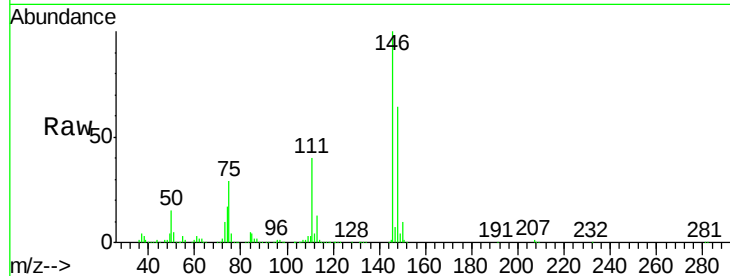
#91
 1,2-Dichlorobenzene
 Concen: 18.91 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	64.3	32.0	96.2

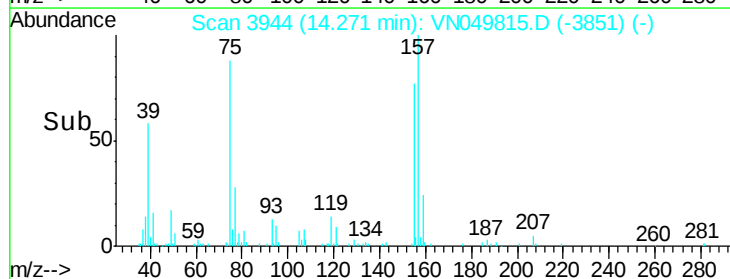
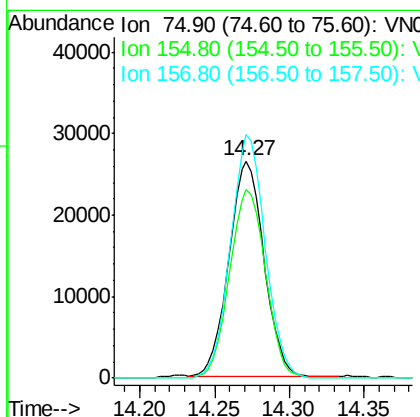
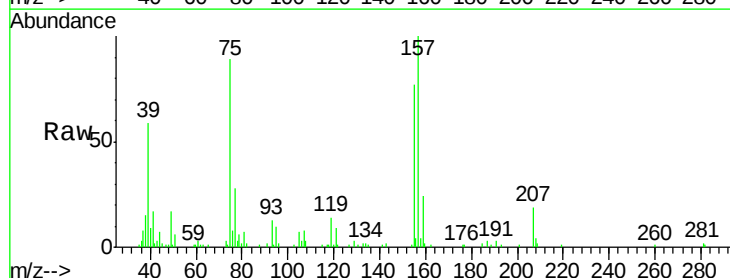
Manual Integrations
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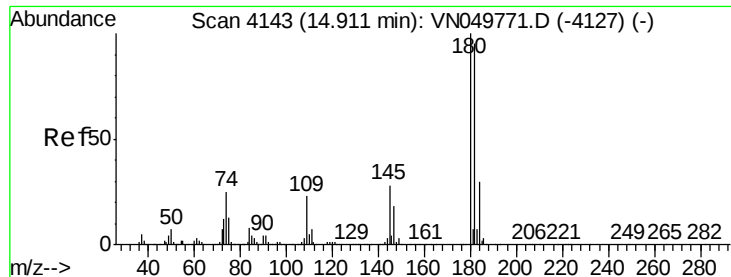
MMDadoda
 7/16/2018 11:02:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.44 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049815.D
 Acq: 13 Jul 2018 23:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	45.7	137.1
157	111.3	56.9	170.7





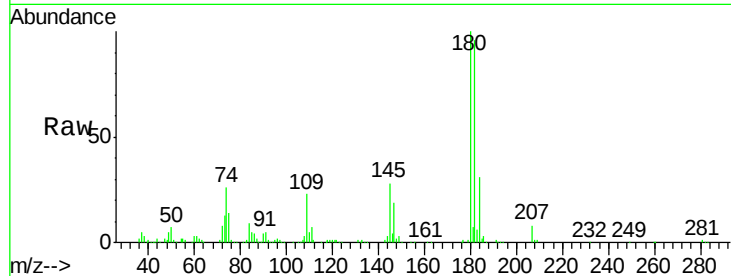
#93
1,2,4-Trichlorobenzene
Concen: 17.01 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. 0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS02

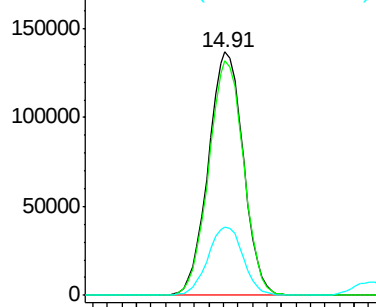
Tot Ion	Ratio	Resp	Lower	Upper
180	100	229846		
182	96.0	47.3	141.9	
145	28.3	14.4	43.0	

Manual Integrations
APPROVED

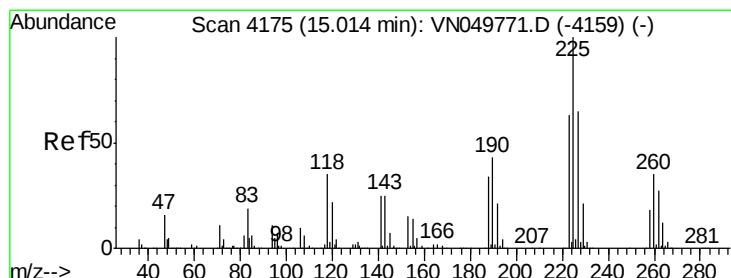
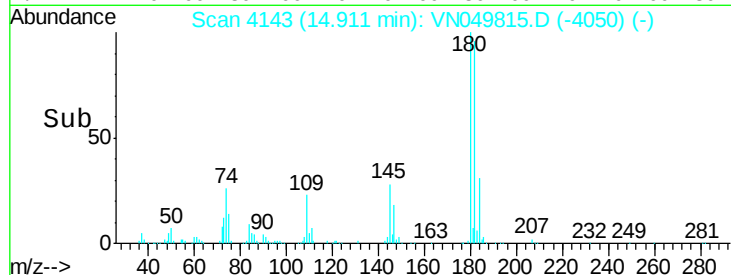
MMDadoda
7/16/2018 11:02:49 AM



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

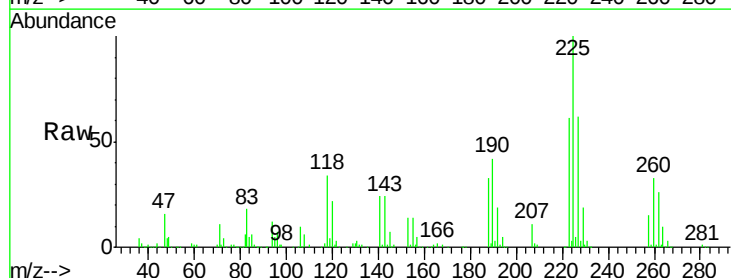


Time-->

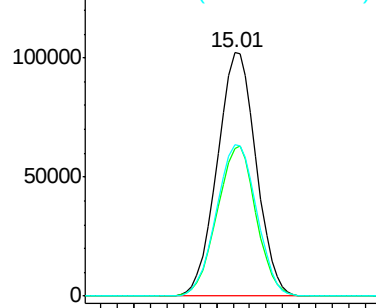


#94
Hexachlorobutadiene
Concen: 18.86 ug/l
RT: 15.01 min Scan# 4174
Delta R.T. -0.00 min
Lab File: VN049815.D
Acq: 13 Jul 2018 23:56

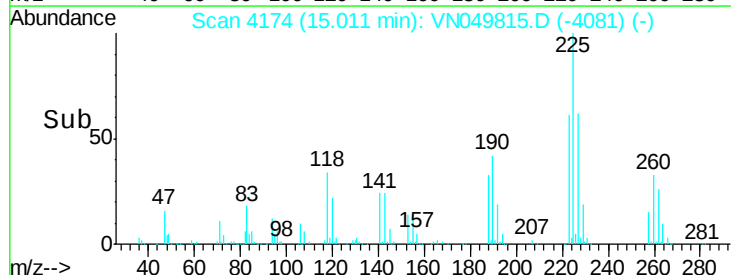
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	166808		
223	61.6	30.9	92.7	
227	64.4	31.8	95.4	

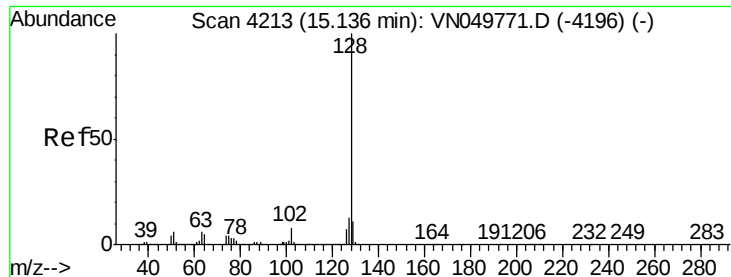


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 16.35 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Instrument :

MSVOA_N

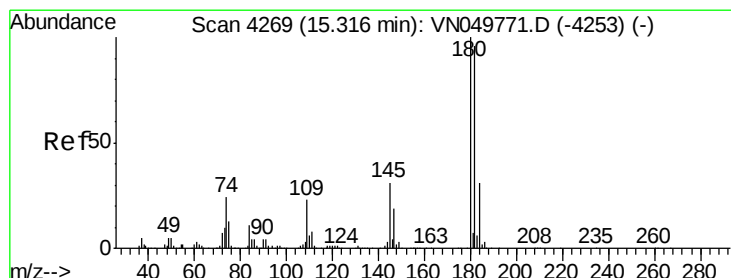
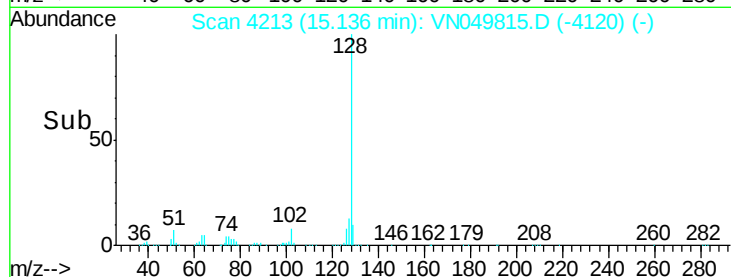
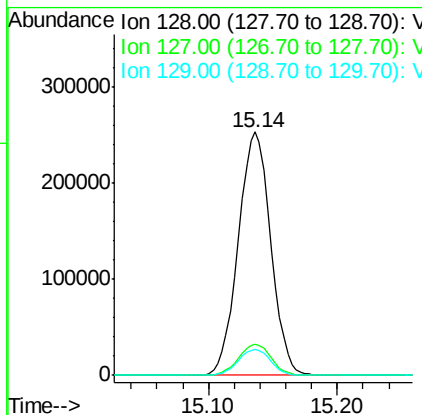
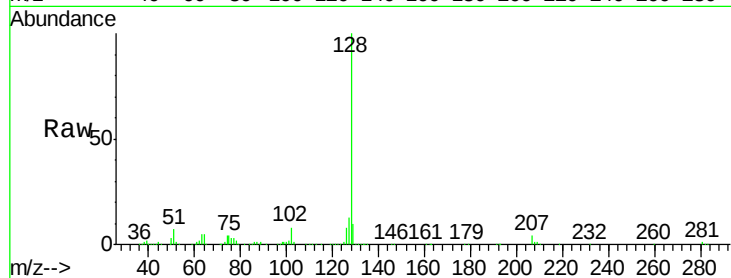
ClientSampleId :

VN0713WBS02

Tot Ion:	128	Resp:	443331
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.6	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 17.91 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049815.D

Acq: 13 Jul 2018 23:56

Tgt Ion:	180	Resp:	242482
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.4	142.2
145	30.7	15.2	45.6

