

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049985.D
 Acq On : 21 Jul 2018 3:05
 Operator : MD\SY
 Sample : VN0720WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 2:04:27 PM

Quant Time: Jul 21 05:34:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	553770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	859092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	764558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	381840	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	399296	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.59	113	356696	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
50) Toluene-d8	10.09	98	1297497	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	419821	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	97942	18.49	ug/l	97
3) Chloromethane	2.06	50	131770	17.43	ug/l	99
4) Vinyl Chloride	2.18	62	147323	18.27	ug/l	98
5) Bromomethane	2.57	94	86230	17.91	ug/l	99
6) Chloroethane	2.70	64	97155	18.45	ug/l	99
7) Trichlorofluoromethane	3.01	101	204739	18.47	ug/l	99
8) Diethyl Ether	3.41	74	75638	19.56	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	126122	18.46	ug/l	99
10) Methyl Iodide	3.95	142	146628	15.99	ug/l	97
11) Tert butyl alcohol	4.80	59	47991	88.51	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	113162	18.85	ug/l	99
13) Acrolein	3.61	56	22384	64.06	ug/l	100
14) Allyl chloride	4.32	41	176402	18.64	ug/l	98
15) Acrylonitrile	5.00	53	234337	98.27	ug/l	100
16) Acetone	3.82	43	176697	89.67	ug/l	98
17) Carbon Disulfide	4.05	76	287894	16.03	ug/l	100
18) Methyl Acetate	4.33	43	146093	23.15	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	338413	20.49	ug/l	99
20) Methylene Chloride	4.55	84	140151	18.70	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	122866	19.27	ug/l	97
22) Diisopropyl ether	5.96	45	415826	21.53	ug/l	99
23) Vinyl Acetate	5.90	43	1344222	99.20	ug/l	100
24) 1,1-Dichloroethane	5.85	63	252121	20.34	ug/l	99
25) 2-Butanone	6.84	43	265476	94.26	ug/l	98
26) 2,2-Dichloropropane	6.83	77	143817	14.91	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	141848	20.28	ug/l	98
28) Bromochloromethane	7.20	49	119698	21.38	ug/l	99
29) Tetrahydrofuran	7.22	42	174900	98.58	ug/l	99
30) Chloroform	7.37	83	259117	20.36	ug/l	98
31) Cyclohexane	7.65	56	188430	18.67	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	217748	19.79	ug/l	99
36) 1,1-Dichloropropene	7.79	75	175808	18.41	ug/l	100
37) Ethyl Acetate	6.94	43	122799	18.72	ug/l	99
38) Carbon Tetrachloride	7.77	117	191220	18.69	ug/l	99

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Manual Integrations
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Quant Time: Jul 21 05:34:24 2018
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 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	167140	16.94	ug/l	98
40) Benzene	8.04	78	556838	19.13	ug/l	100
41) Methacrylonitrile	7.18	41	47766	14.53	ug/l #	68
42) 1,2-Dichloroethane	8.13	62	189159	19.62	ug/l	99
43) Isopropyl Acetate	8.17	43	239129	20.87	ug/l	98
44) Trichloroethene	8.84	130	143138	18.75	ug/l	98
45) 1,2-Dichloropropane	9.12	63	151685	19.31	ug/l	99
46) Dibromomethane	9.21	93	90293	18.54	ug/l	99
47) Bromodichloromethane	9.41	83	197520	19.61	ug/l	96
48) Methyl methacrylate	9.20	41	105601	18.37	ug/l	98
49) 1,4-Dioxane	9.20	88	27256	334.24	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	614662	95.95	ug/l	99
52) Toluene	10.16	92	342327	19.71	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	179376	18.01	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	205633	18.68	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	135955	18.95	ug/l	98
56) Ethyl methacrylate	10.43	69	152497	17.30	ug/l	97
57) 1,3-Dichloropropane	10.71	76	219351	19.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	384810	91.41	ug/l	100
59) 2-Hexanone	10.75	43	397315	92.34	ug/l	97
60) Dibromochloromethane	10.90	129	149048	18.94	ug/l	100
61) 1,2-Dibromoethane	11.01	107	127860	19.07	ug/l	99
64) Tetrachloroethene	10.63	164	142990	20.81	ug/l	99
65) Chlorobenzene	11.44	112	377225	19.64	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	146519	19.69	ug/l	99
67) Ethyl Benzene	11.51	91	605088	19.42	ug/l	100
68) m/p-Xylenes	11.62	106	472597	40.06	ug/l	99
69) o-Xylene	11.95	106	226914	20.03	ug/l	96
70) Styrene	11.97	104	373998	20.38	ug/l	100
71) Bromoform	12.13	173	102420	19.24	ug/l #	98
73) Isopropylbenzene	12.25	105	604470	20.84	ug/l	100
74) N-amyl acetate	12.07	43	171720	19.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	170112	19.58	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	132319m	18.47	ug/l	
77) Bromobenzene	12.53	156	159417	19.90	ug/l	97
78) n-propylbenzene	12.59	91	687036	20.83	ug/l	100
79) 2-Chlorotoluene	12.68	91	425093	20.99	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	499725	21.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38678	16.88	ug/l	96
82) 4-Chlorotoluene	12.78	91	423363	20.84	ug/l	99
83) tert-Butylbenzene	13.00	119	426169	20.87	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	507600	21.55	ug/l	99
85) sec-Butylbenzene	13.17	105	567834	21.05	ug/l	100
86) p-Isopropyltoluene	13.29	119	476185	20.70	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	281180	20.15	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	275680	19.70	ug/l	99
89) n-Butylbenzene	13.62	91	367696	19.36	ug/l	99
90) Hexachloroethane	13.88	117	96559	18.71	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	282117	20.56	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24535	18.27	ug/l	96

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VN0720WBSD02

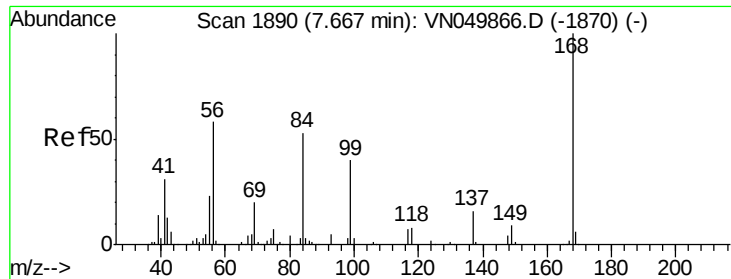
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	120263	18.27	ug/l	99
94) Hexachlorobutadiene	15.01	225	85426	19.00	ug/l	99
95) Naphthalene	15.14	128	252013	17.17	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	129207	19.63	ug/l	99

(#) = 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: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

Tot Ion:168 Resp: 553770

Ion Ratio Lower Upper

168 100

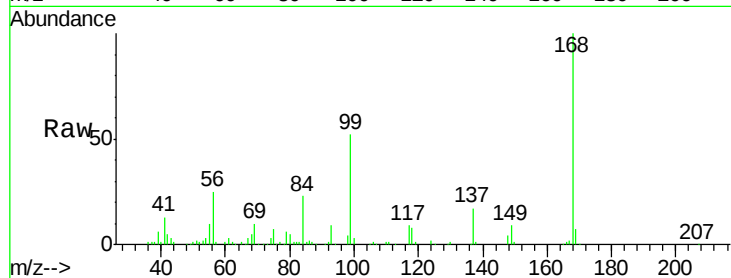
99 51.9 40.6 61.0

Manual Integrations

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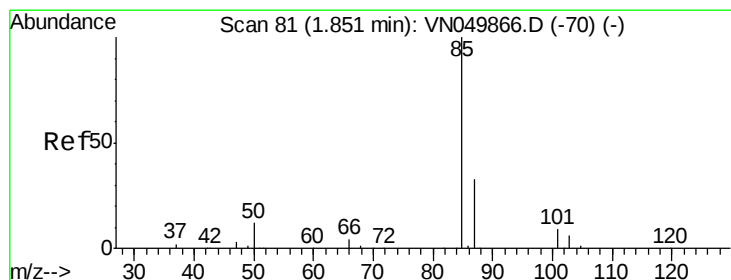
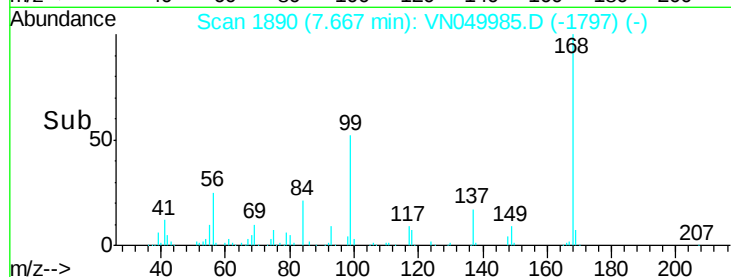
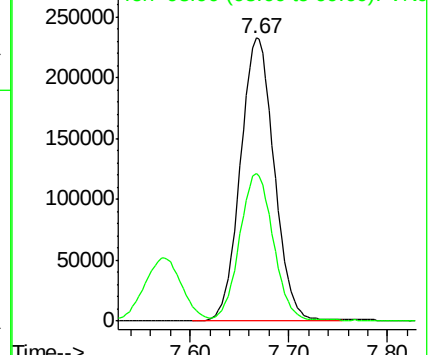
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7/23/2018 2:04:27 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.49 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049985.D

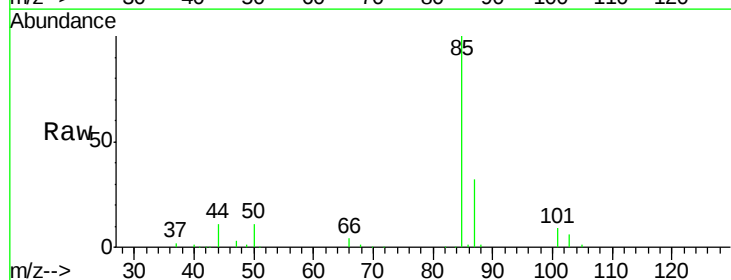
Acq: 21 Jul 2018 3:05

Tgt Ion: 85 Resp: 97942

Ion Ratio Lower Upper

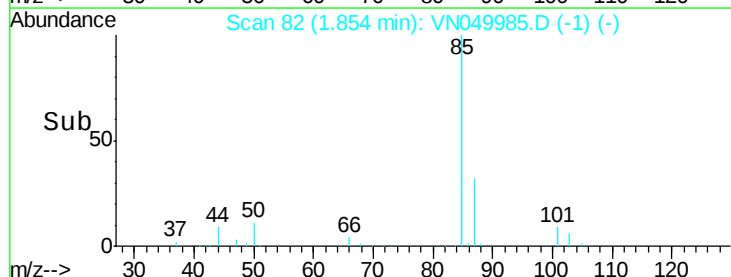
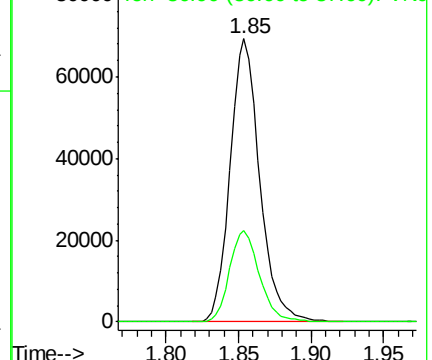
85 100

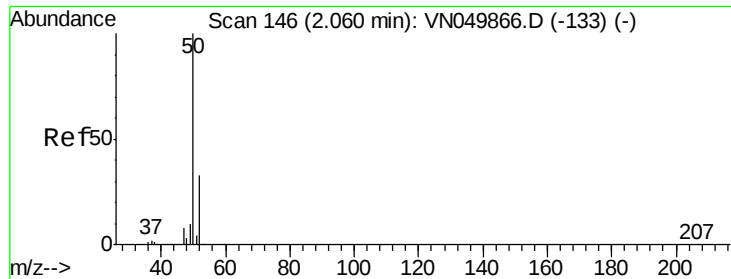
87 32.3 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 17.43 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

Tot Ion: 50 Resp: 131770

Ion Ratio Lower Upper

50 100

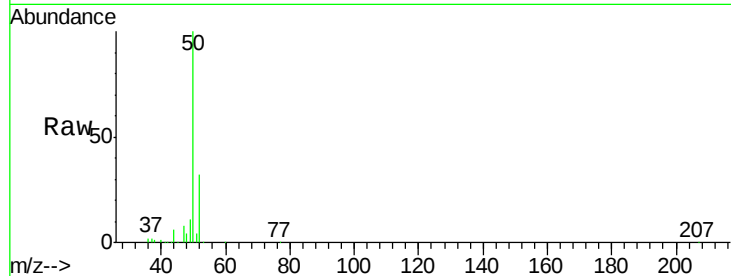
52 31.9 26.1 39.1

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

120000

100000

80000

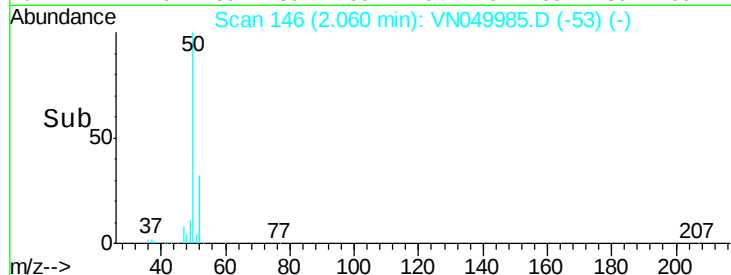
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40000

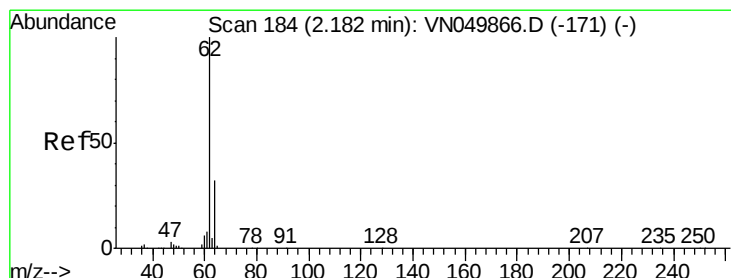
20000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 18.27 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049985.D

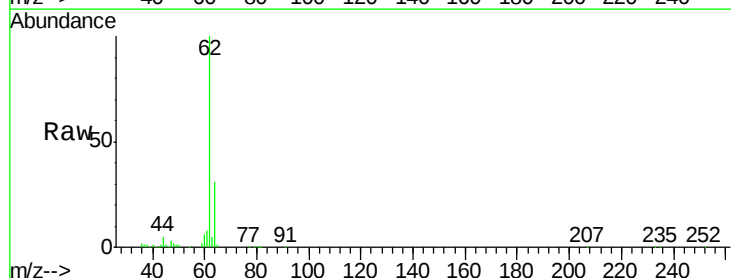
Acq: 21 Jul 2018 3:05

Tgt Ion: 62 Resp: 147323

Ion Ratio Lower Upper

62 100

64 30.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

120000

100000

80000

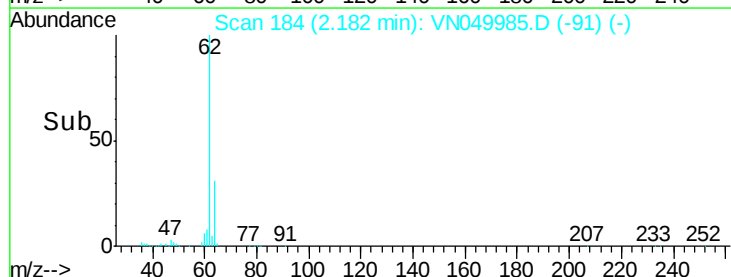
60000

40000

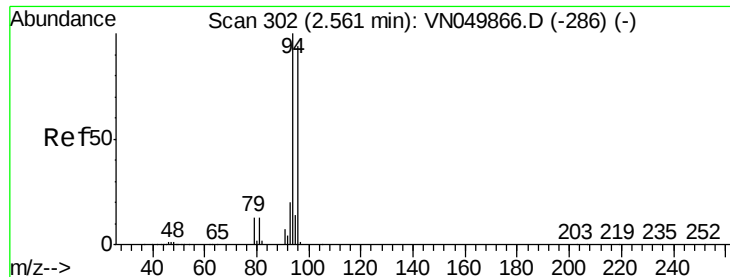
20000

0

Time-->



Time-->



#5

Bromomethane

Concen: 17.91 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

Tot Ion: 94 Resp: 86230

Ion Ratio Lower Upper

94 100

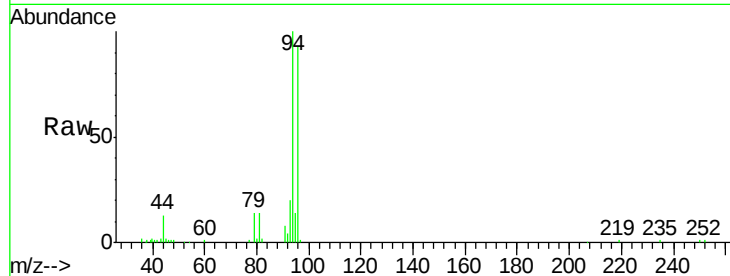
96 93.6 75.7 113.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

40000

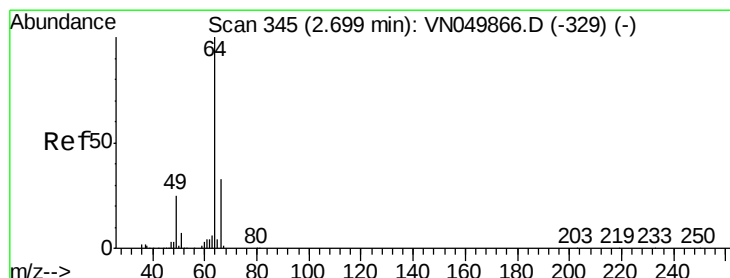
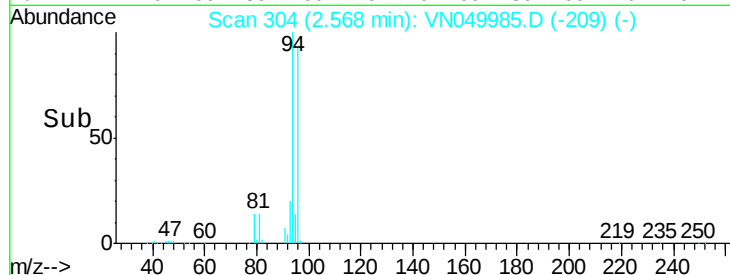
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 18.45 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049985.D

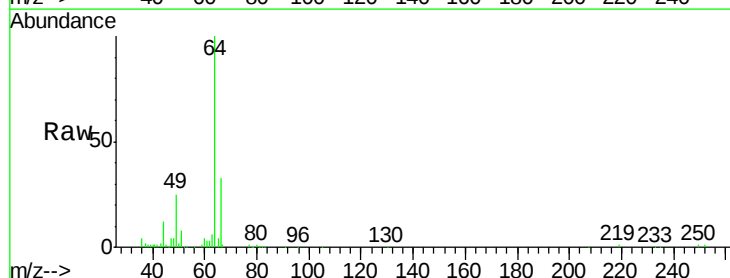
Acq: 21 Jul 2018 3:05

Tgt Ion: 64 Resp: 97155

Ion Ratio Lower Upper

64 100

66 32.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

60000

50000

40000

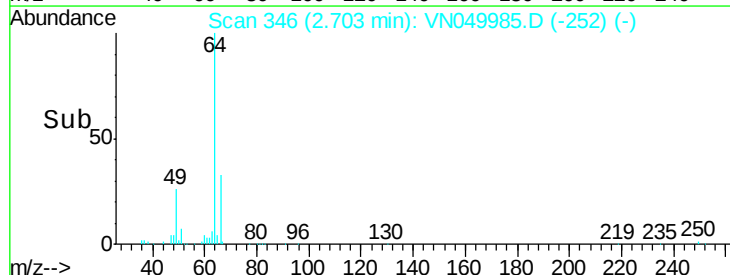
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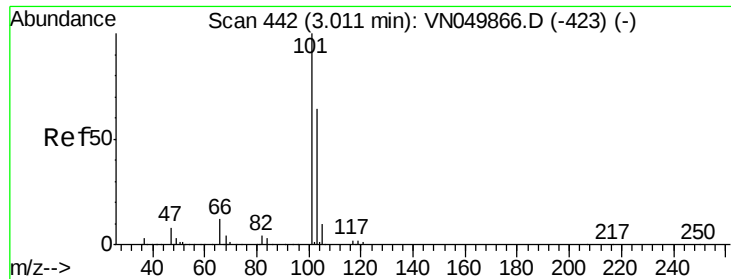
20000

10000

0

Time-->





#7

Trichlorofluoromethane

Concen: 18.47 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

Tot Ion:101 Resp: 204739

Ion Ratio Lower Upper

101 100

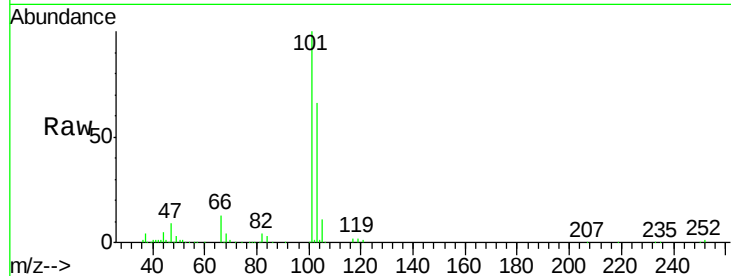
103 66.5 52.8 79.2

Manual Integrations

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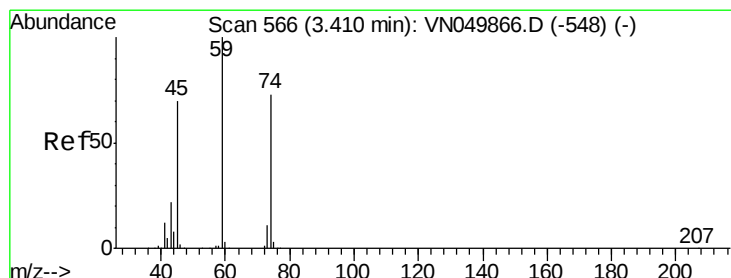
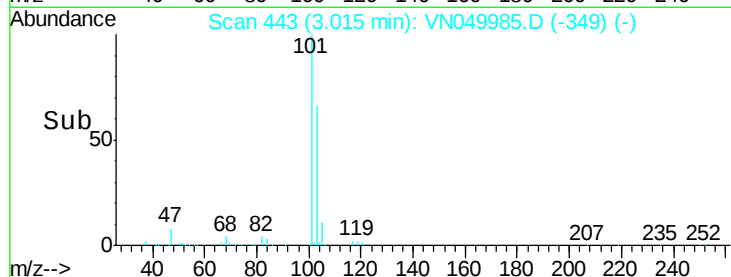
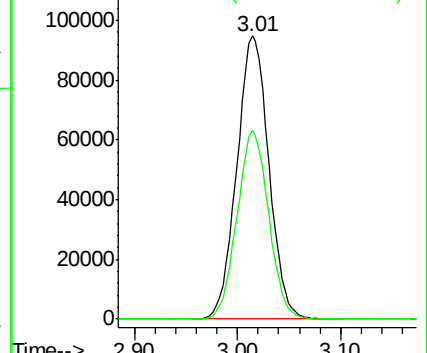
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7/23/2018 2:04:27 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.56 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN049985.D

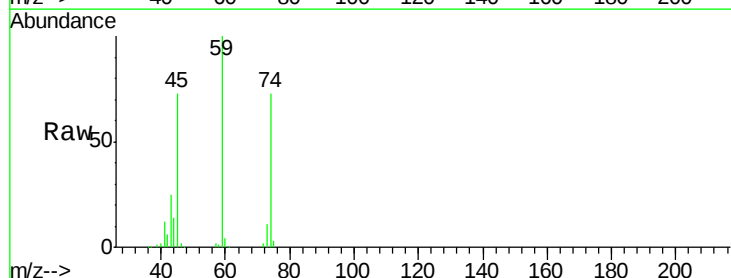
Acq: 21 Jul 2018 3:05

Tgt Ion: 74 Resp: 75638

Ion Ratio Lower Upper

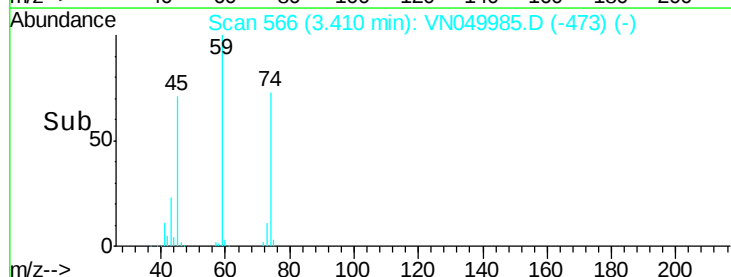
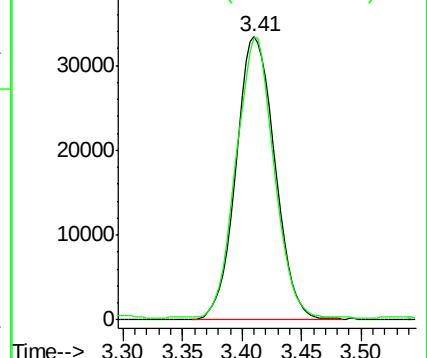
74 100

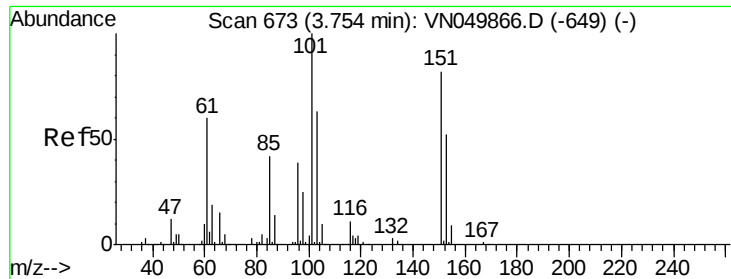
45 96.0 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





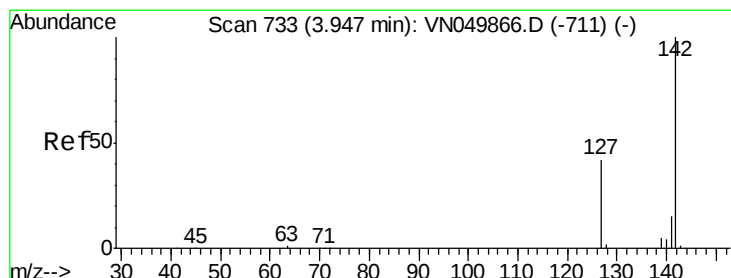
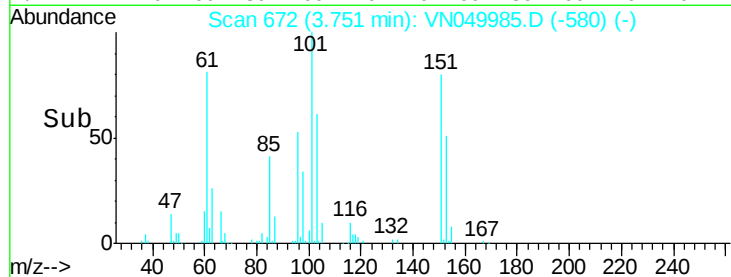
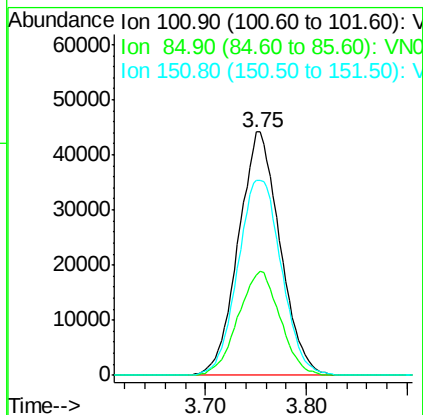
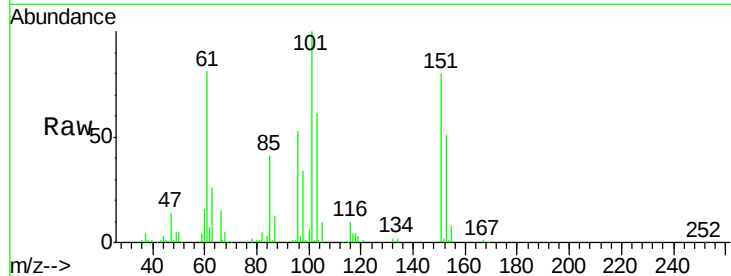
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.46 ug/l
 RT: 3.75 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

Tot Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	43.2	34.4	51.6
151	84.3	66.2	99.4

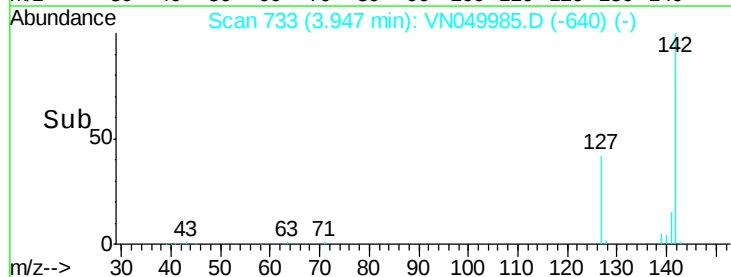
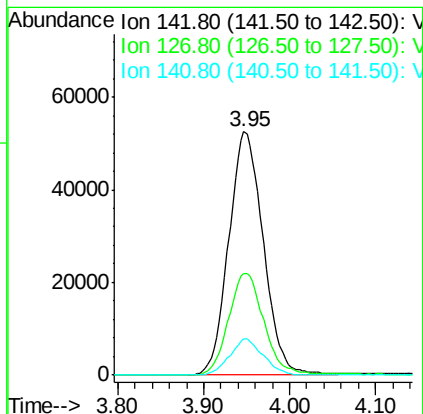
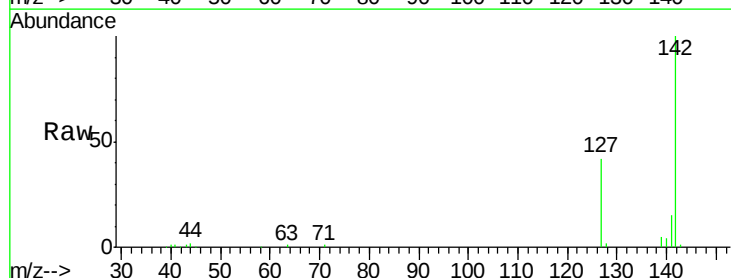
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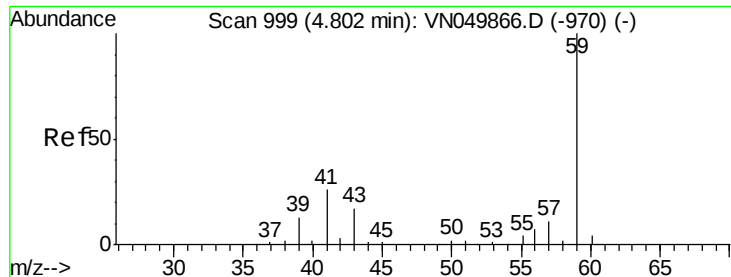
MMDadoda
 7/23/2018 2:04:27 PM



#10
 Methyl Iodide
 Concen: 15.99 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
127	42.7	32.5	48.7
141	14.3	11.1	16.7





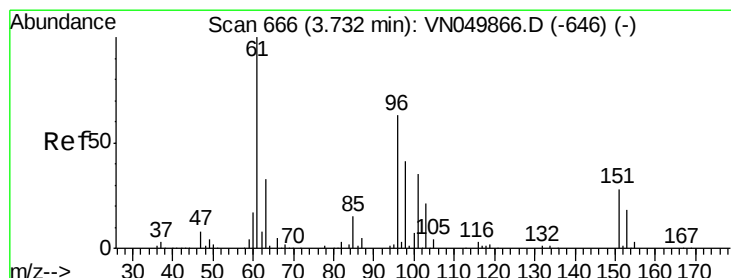
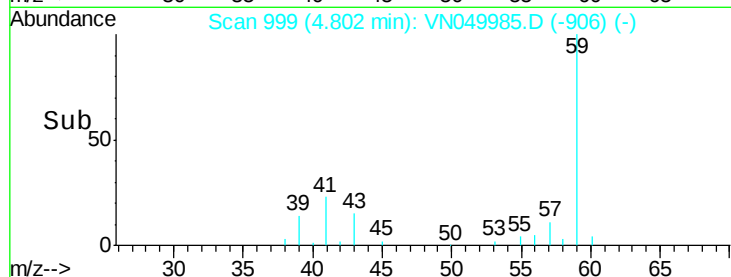
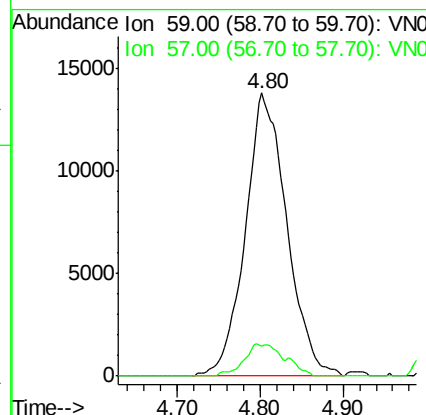
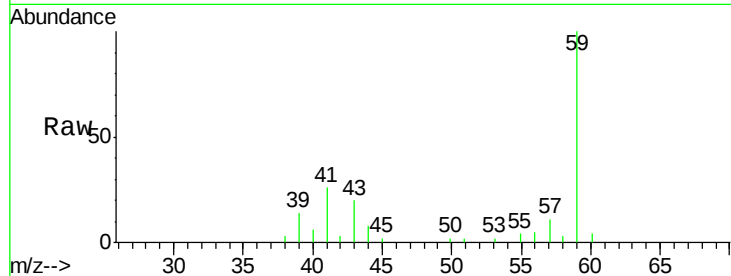
#11
Tert butyl alcohol
Concen: 88.51 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	47991		
57	57	0.0		8.5	12.7#

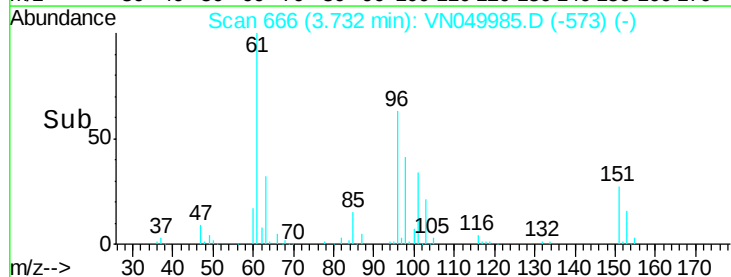
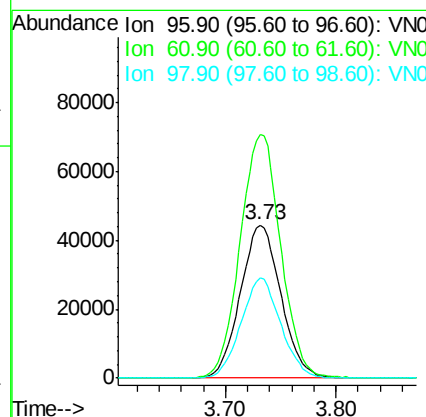
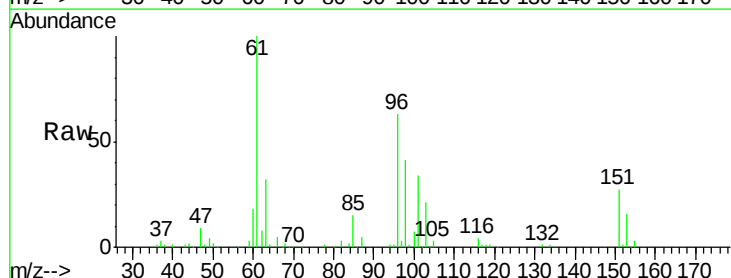
Manual Integrations
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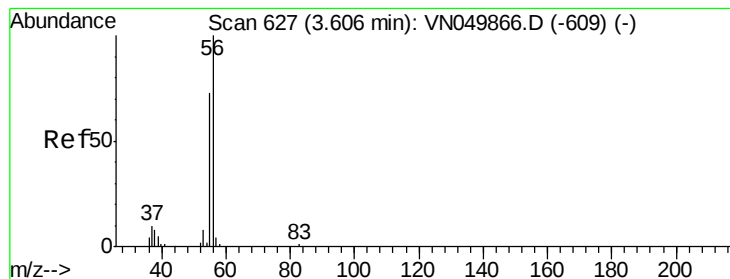
MMDadoda
7/23/2018 2:04:27 PM



#12
1,1-Dichloroethene
Concen: 18.85 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	113162		
61	61	158.9		126.5	189.7
98	98	65.8		51.0	76.6





#13

Acrolein

Concen: 64.06 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

Tot Ion: 56 Resp: 22384

Ion Ratio Lower Upper

56 100

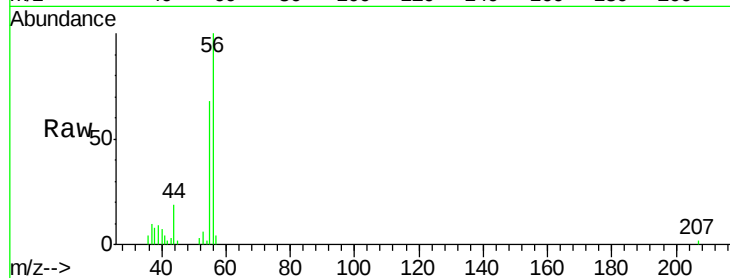
55 69.5 55.8 83.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

10000

8000

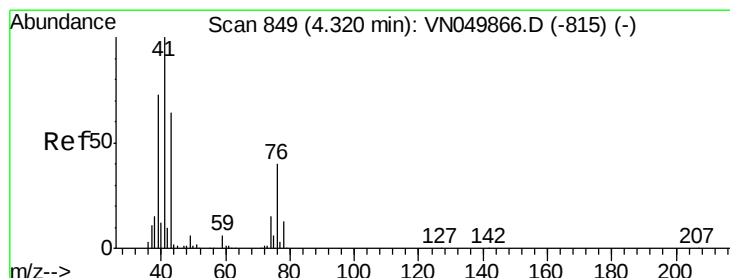
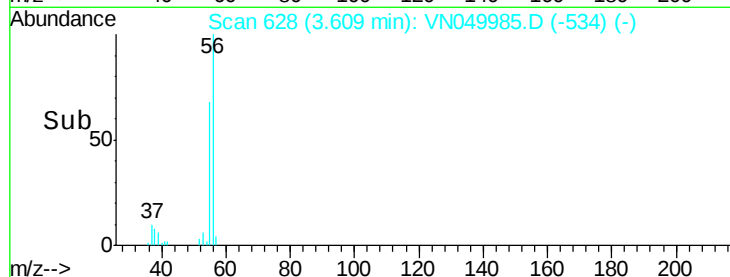
6000

4000

2000

0

Time--> 3.50 3.60 3.70



#14

Allyl chloride

Concen: 18.64 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

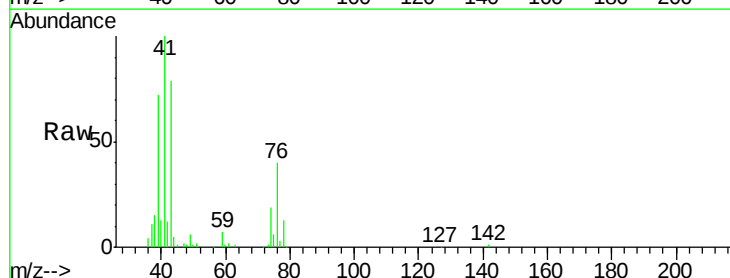
Tgt Ion: 41 Resp: 176402

Ion Ratio Lower Upper

41 100

39 68.5 53.2 79.8

76 36.5 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

80000

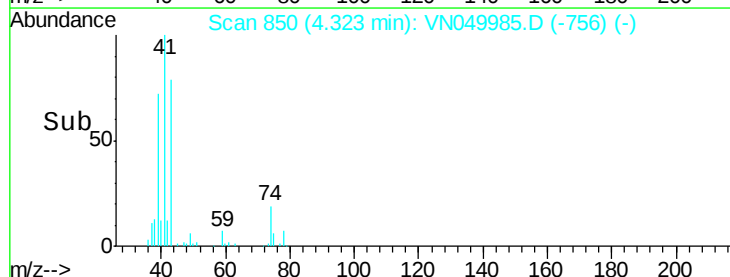
60000

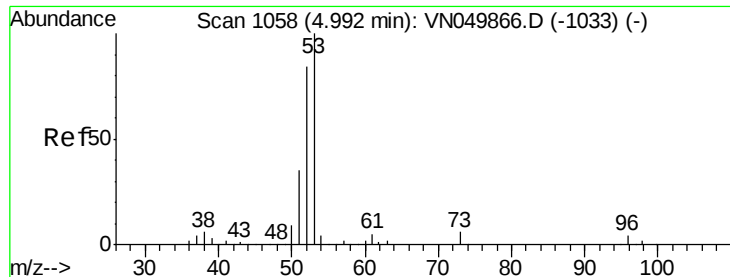
40000

20000

0

Time--> 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 98.27 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

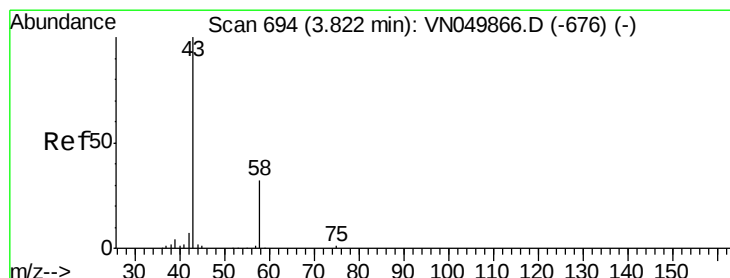
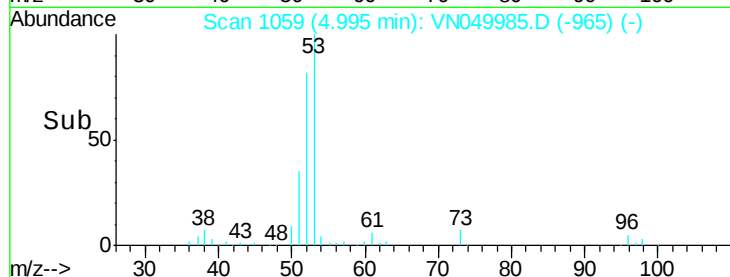
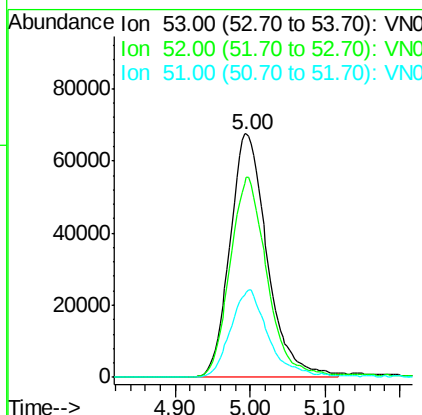
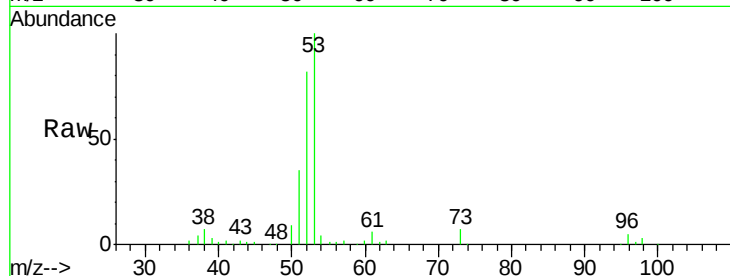
ClientSampled :

VN0720WBSD02

Tot Ion:	53	Resp:	234337
Ion Ratio	Lower	Upper	
53	100		
52	81.3	64.8	97.2
51	36.0	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 89.67 ug/l

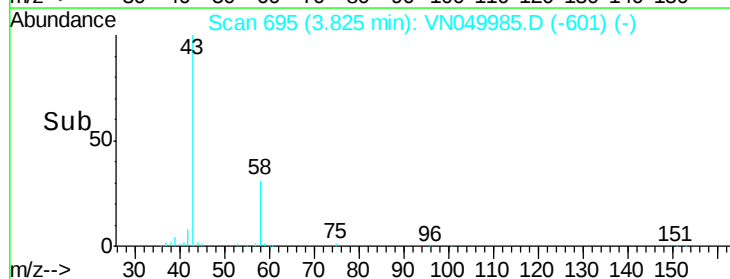
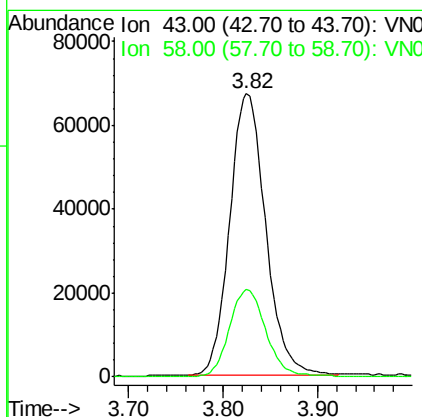
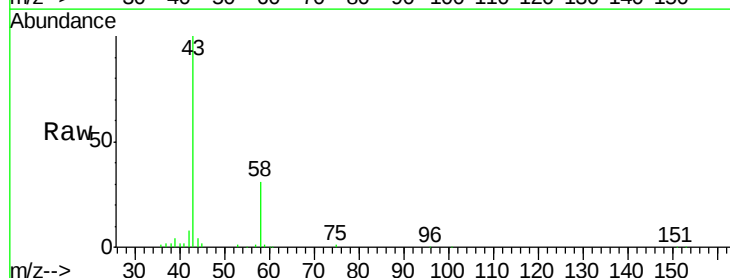
RT: 3.82 min Scan# 695

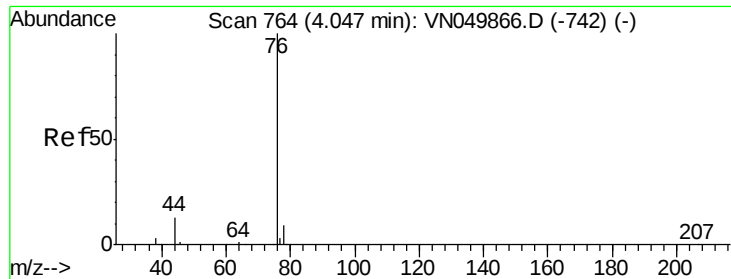
Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Tgt Ion:	43	Resp:	176697
Ion Ratio	Lower	Upper	
43	100		
58	31.0	25.9	38.9





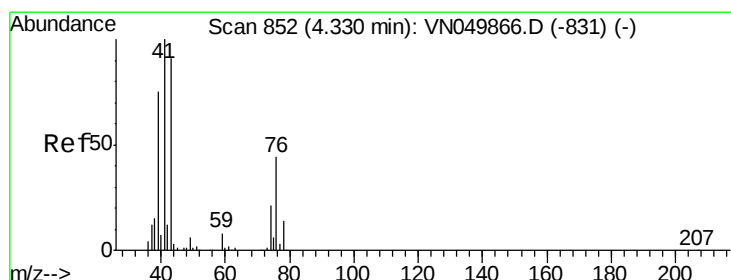
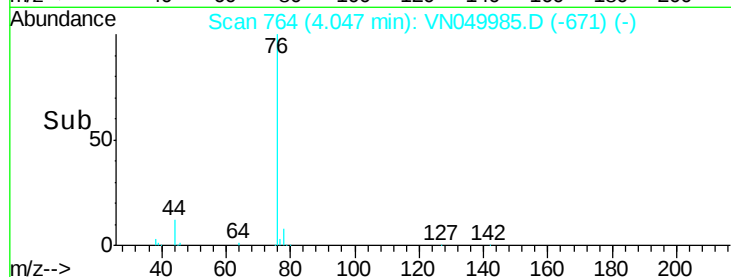
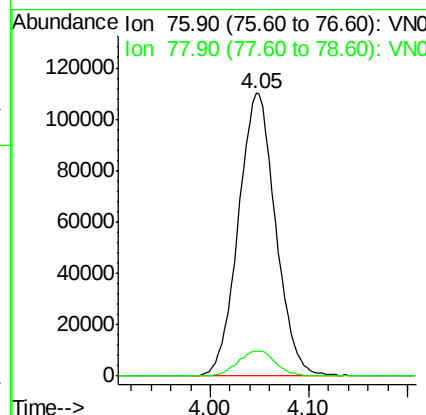
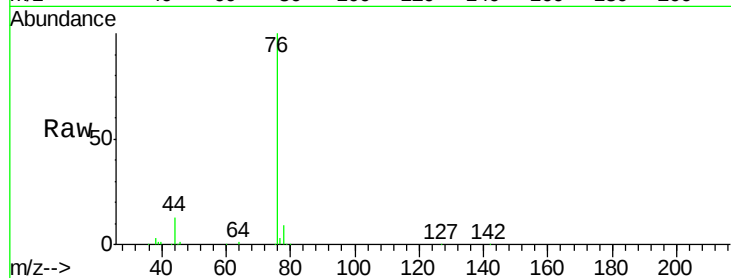
#17
Carbon Disulfide
Concen: 16.03 ug/l
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

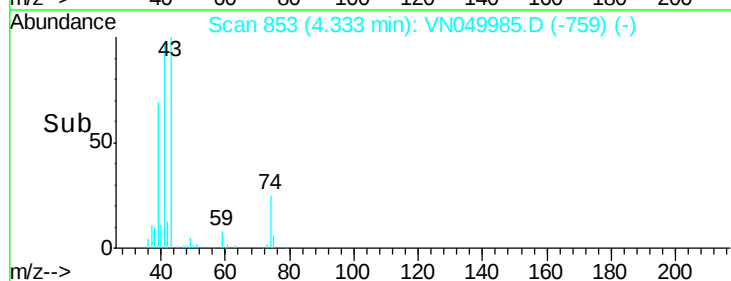
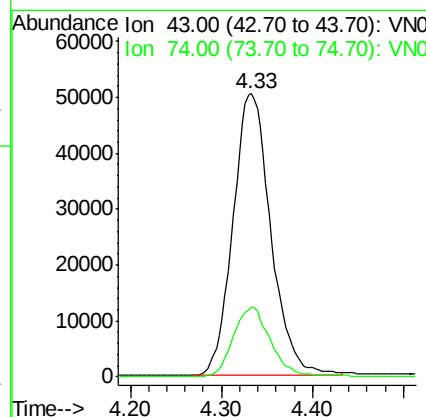
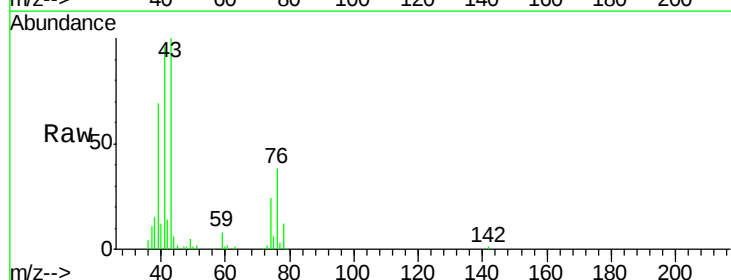
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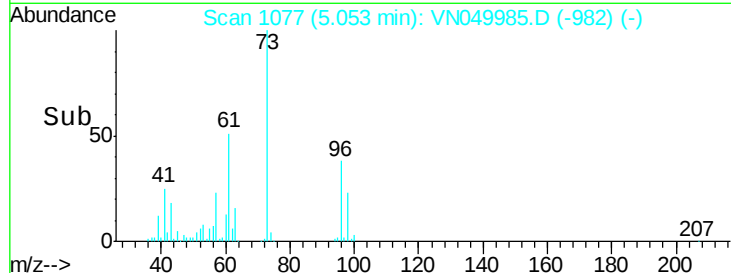
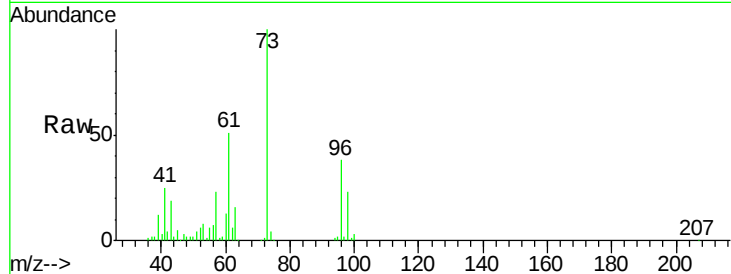
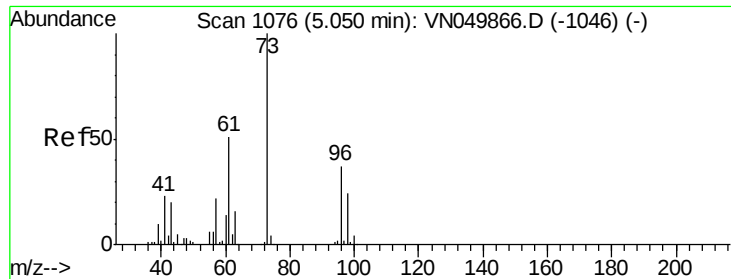
MMDadoda
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#18
Methyl Acetate
Concen: 23.15 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.8	29.8





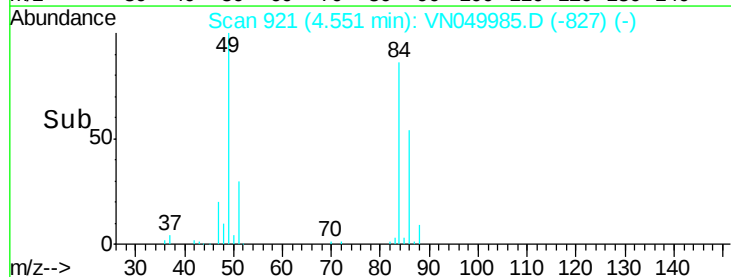
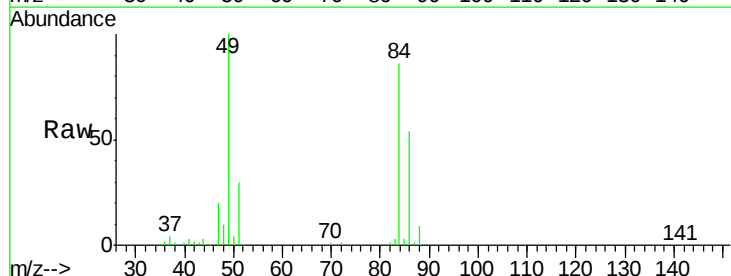
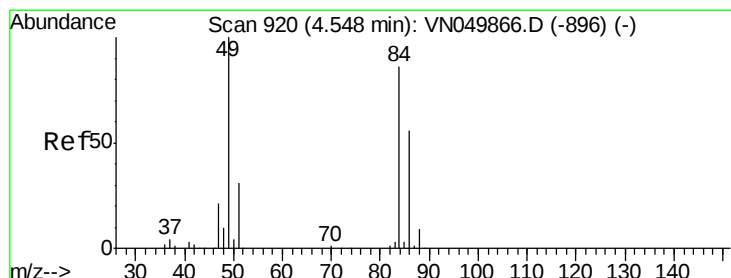
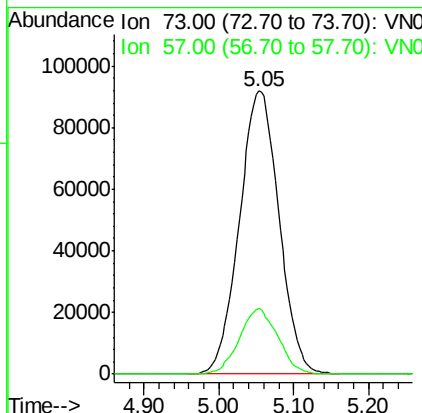
#19
Methvl tert-butvl Ether
Concen: 20.49 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tot Ion: 73 Resp: 338413
Ion Ratio Lower Upper
73 100
57 23.2 18.1 27.1

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

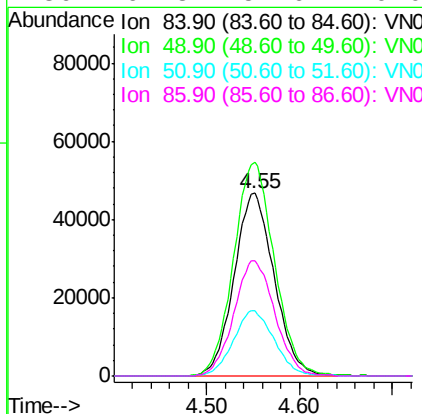
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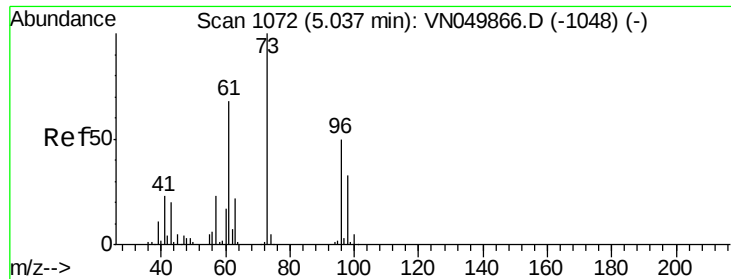
MMDadoda
7/23/2018 2:04:27 PM



#20
Methylene Chloride
Concen: 18.70 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion: 84 Resp: 140151
Ion Ratio Lower Upper
84 100
49 116.7 95.4 143.2
51 35.4 28.4 42.6
86 62.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.27 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

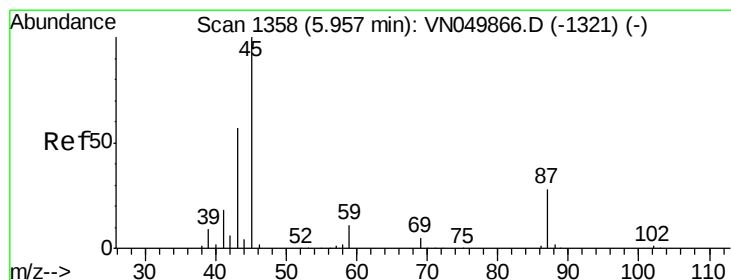
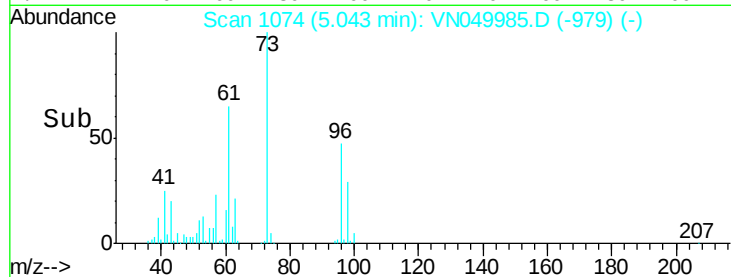
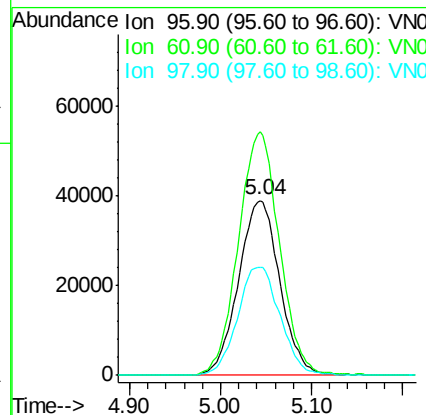
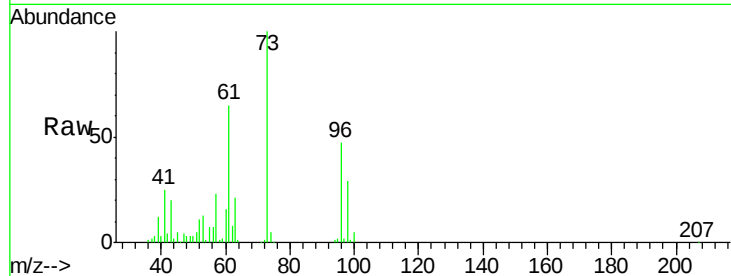
ClientSampleId :

VN0720WBSD02

Tot Ion:	96	Resp:	122866
Ion	Ratio	Lower	Upper
96	100		
61	139.3	109.0	163.6
98	61.8	51.1	76.7

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#22

Diisopropyl ether

Concen: 21.53 ug/l

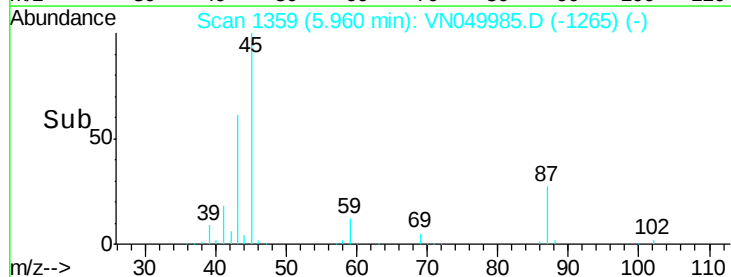
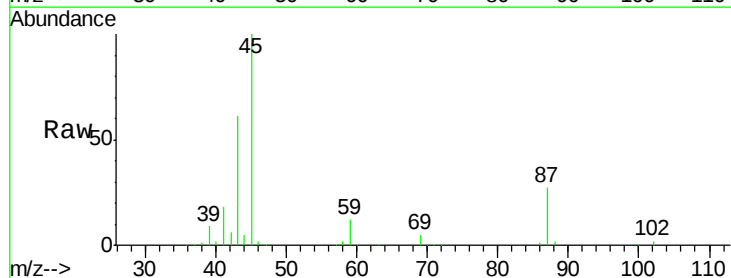
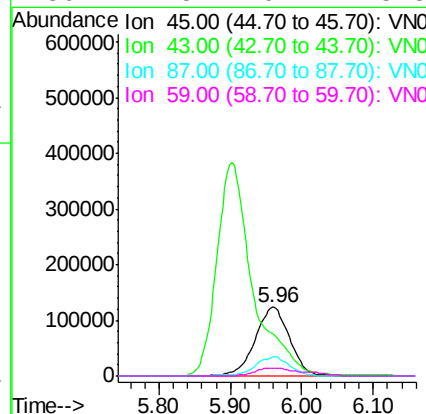
RT: 5.96 min Scan# 1359

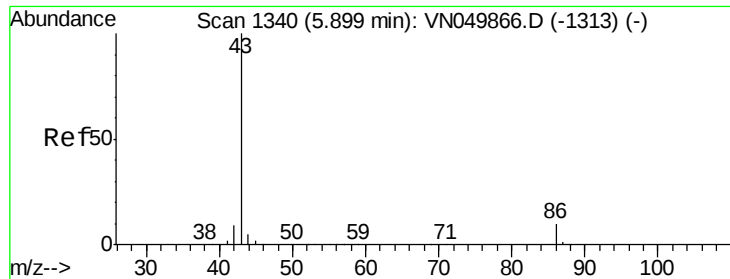
Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Tgt Ion:	45	Resp:	415826
Ion	Ratio	Lower	Upper
45	100		
43	59.3	48.1	72.1
87	27.2	22.6	34.0
59	11.8	9.2	13.8





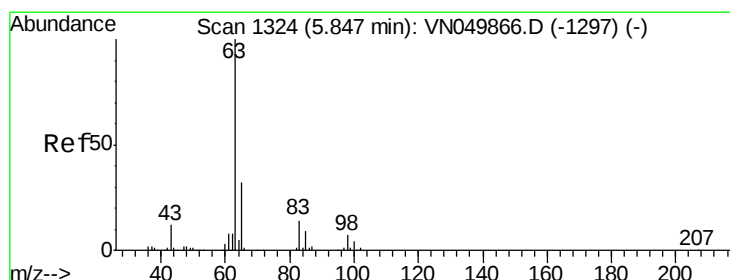
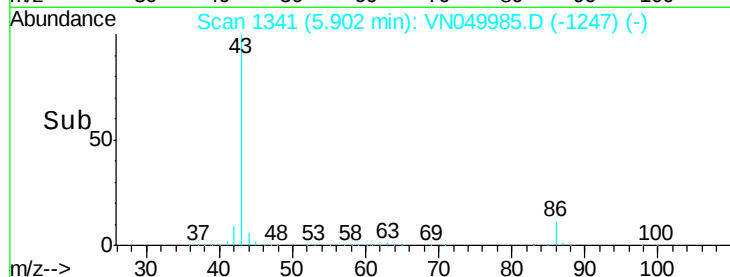
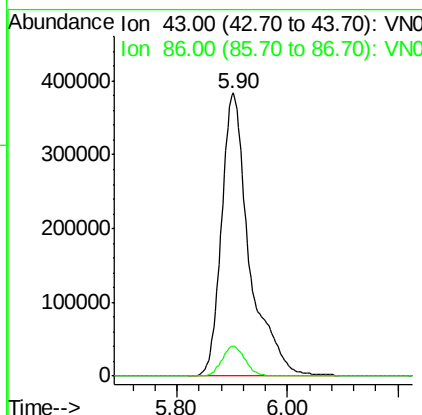
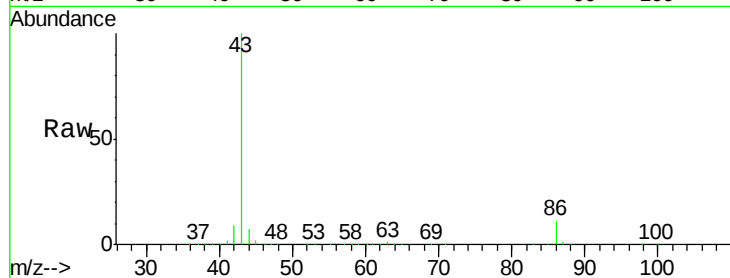
#23
 Vinyl Acetate
 Concen: 99.20 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0720WBSD02

Tot Ion: 43 Resp: 1344222
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6

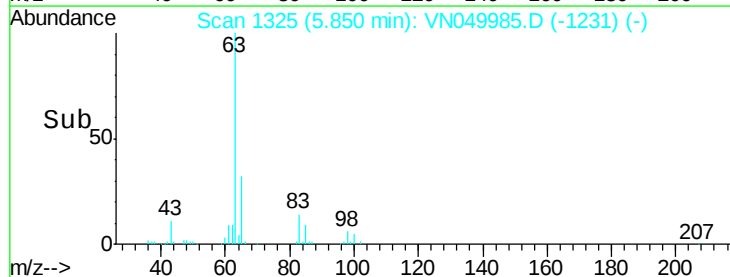
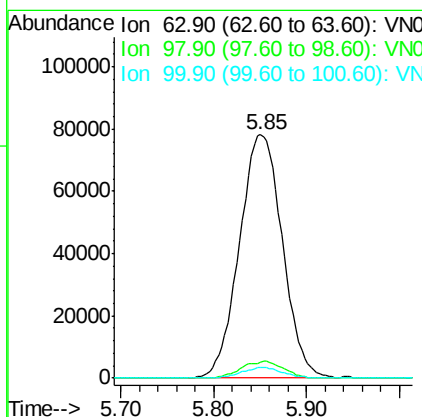
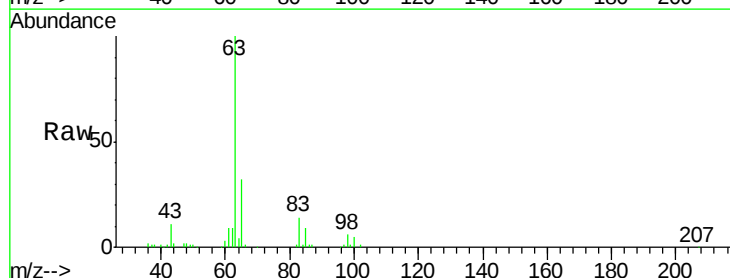
Manual Integrations
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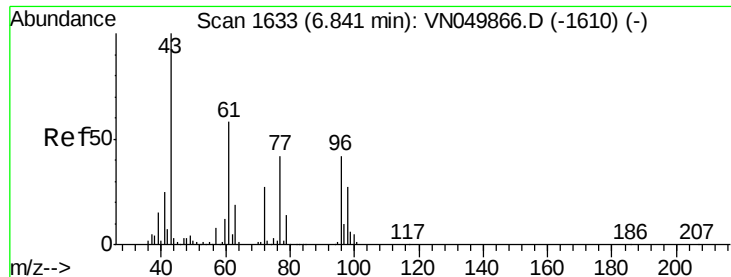
MMDadoda
 7/23/2018 2:04:27 PM



#24
 1,1-Dichloroethane
 Concen: 20.34 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion: 63 Resp: 252121
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.2
 100 4.5 2.2 6.6





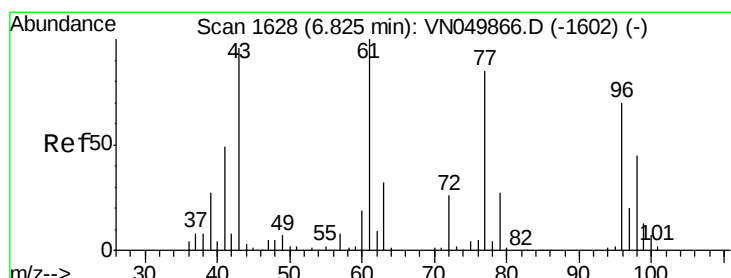
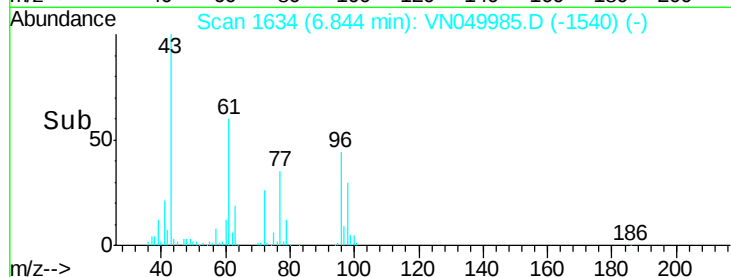
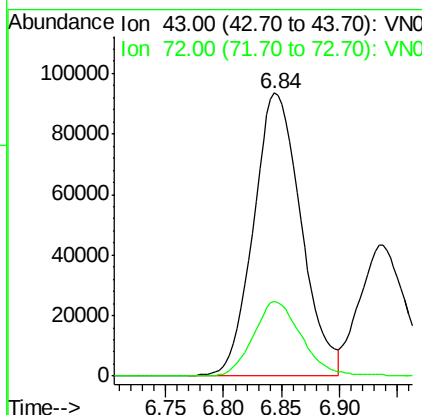
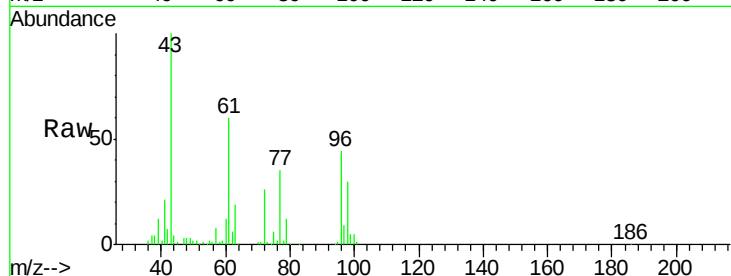
#25
2-Butanone
Concen: 94.26 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion: 43 Resp: 265476
Ion Ratio Lower Upper
43 100
72 26.5 22.1 33.1

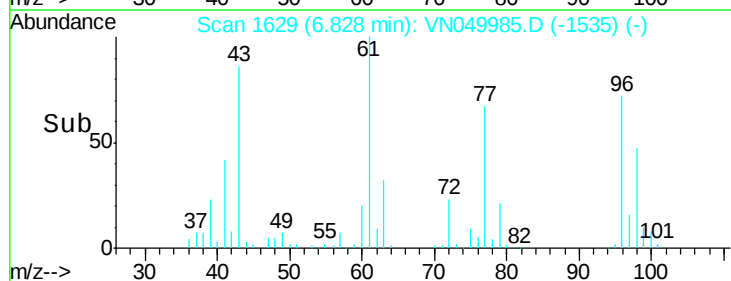
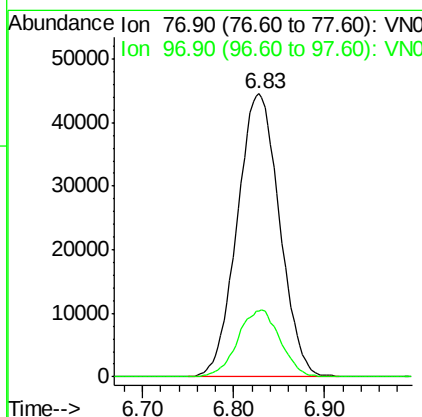
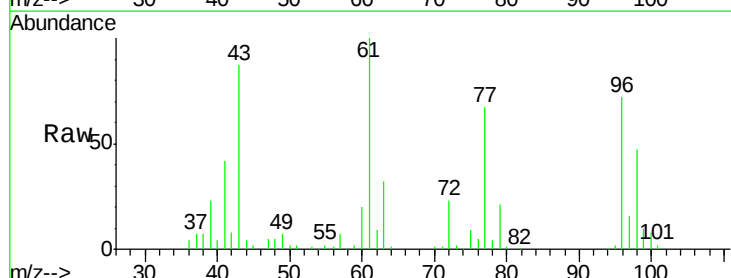
Manual Integrations
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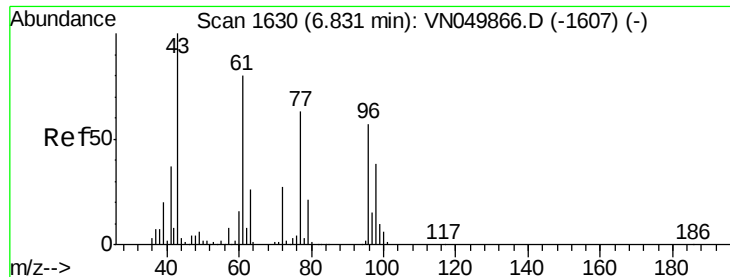
MMDadoda
7/23/2018 2:04:27 PM



#26
2,2-Dichloropropane
Concen: 14.91 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion: 77 Resp: 143817
Ion Ratio Lower Upper
77 100
97 23.5 11.9 35.5





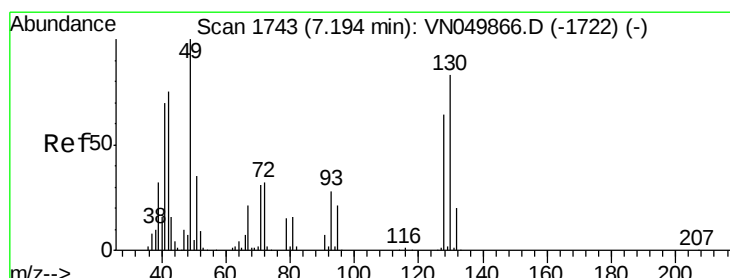
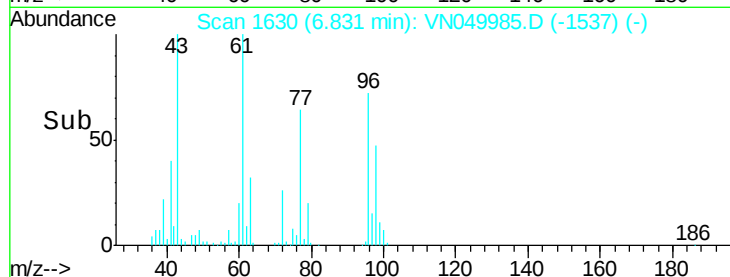
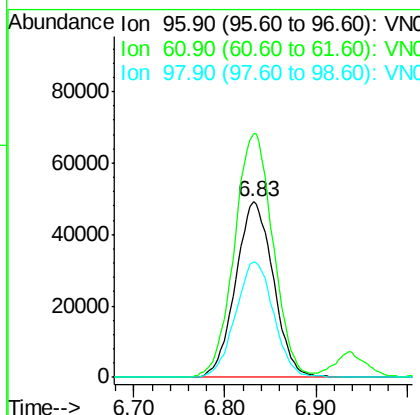
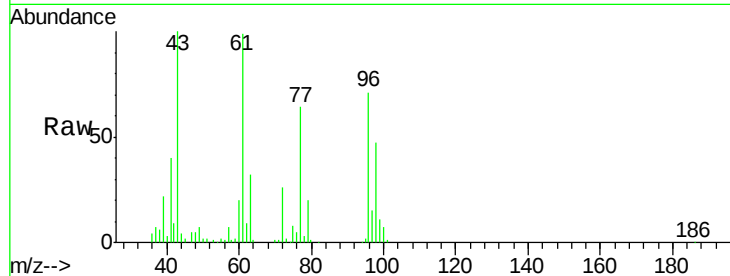
#27
 cis-1,2-Dichloroethene
 Concen: 20.28 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.5	0.0	289.0	
98	66.4	0.0	130.2	

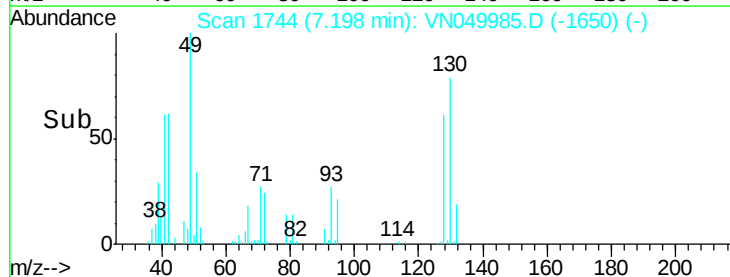
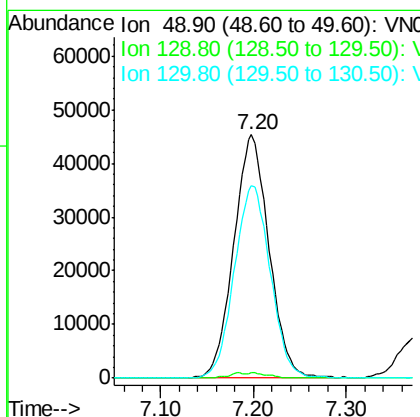
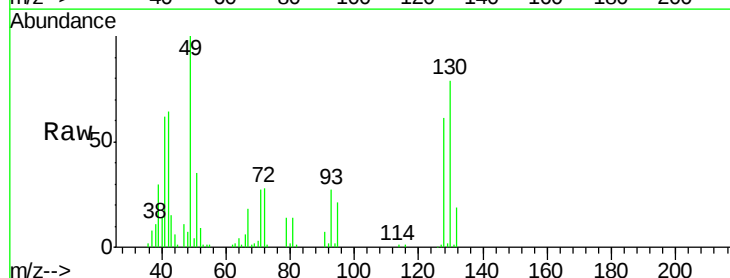
Manual Integrations
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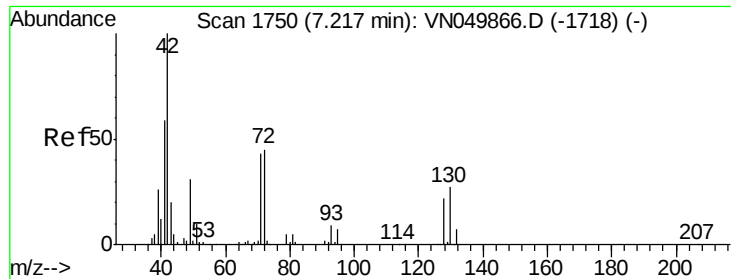
MMDadoda
 7/23/2018 2:04:27 PM



#28
 Bromochloromethane
 Concen: 21.38 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.0	0.0	4.2	
130	80.9	65.5	98.3	





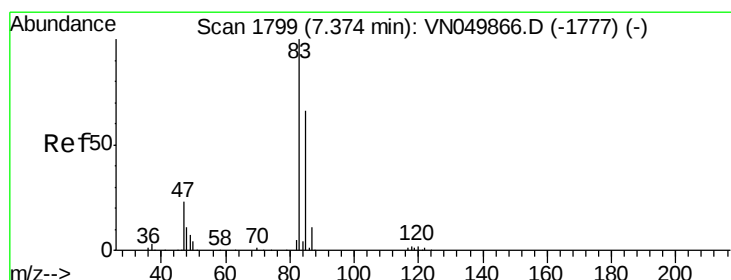
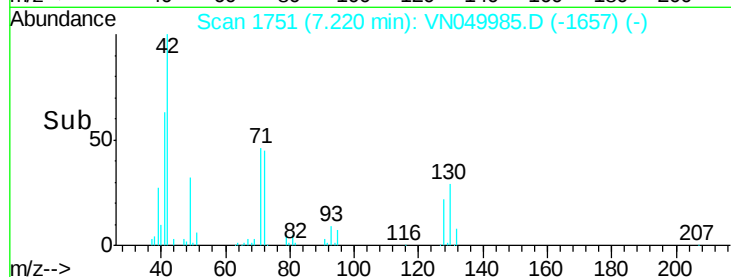
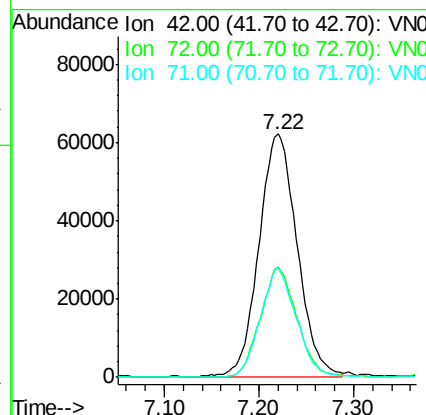
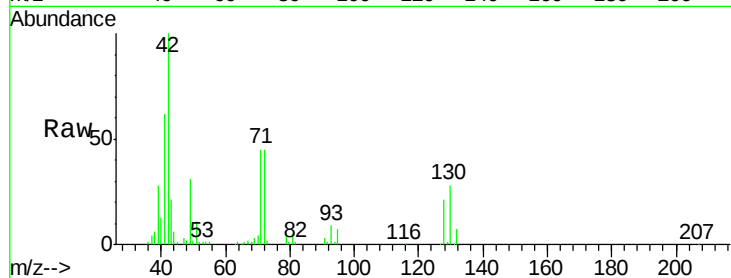
#29
Tetrahydrofuran
Concen: 98.58 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	35.6	53.4
71	42.0	34.0	51.0

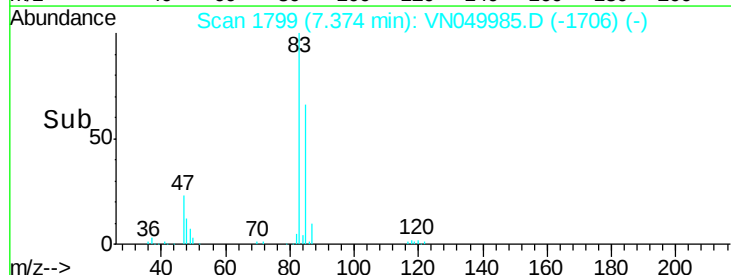
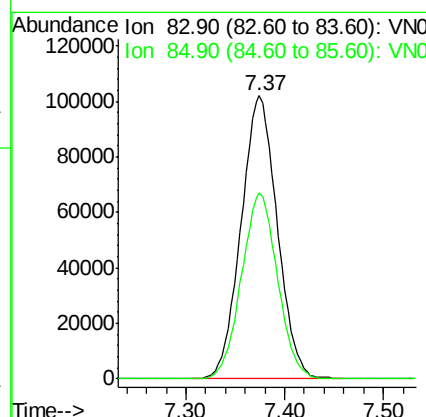
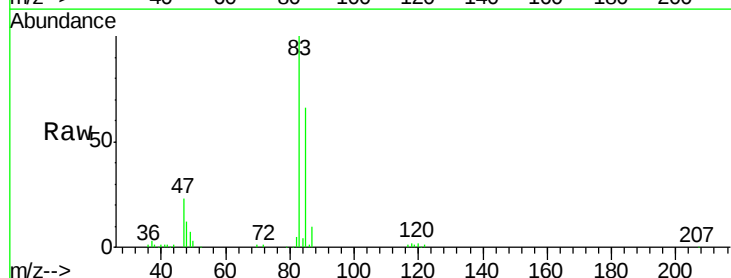
Manual Integrations
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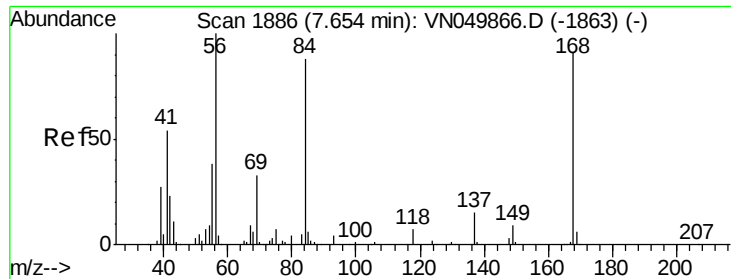
MMDadoda
7/23/2018 2:04:27 PM



#30
Chloroform
Concen: 20.36 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.4	77.2





#31

Cyclohexane

Concen: 18.67 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

Tot Ion: 56 Resp: 188430

Ion Ratio Lower Upper

56 100

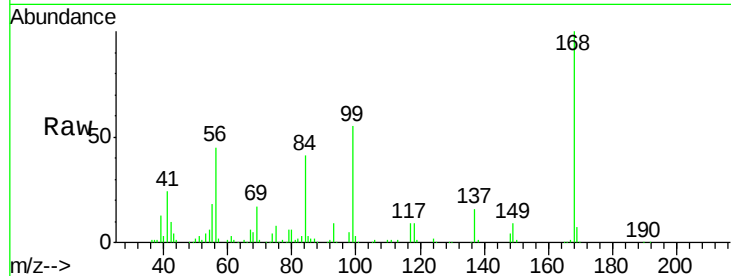
69 38.7 26.6 40.0

84 88.9 69.0 103.6

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MMDadoda

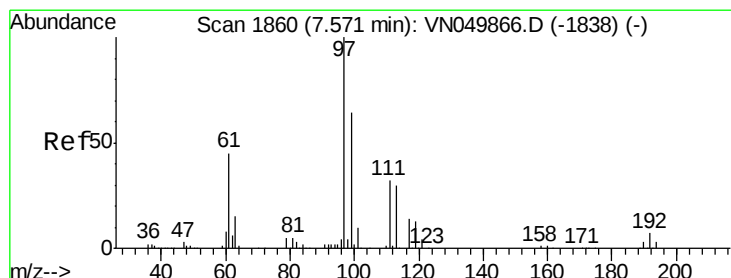
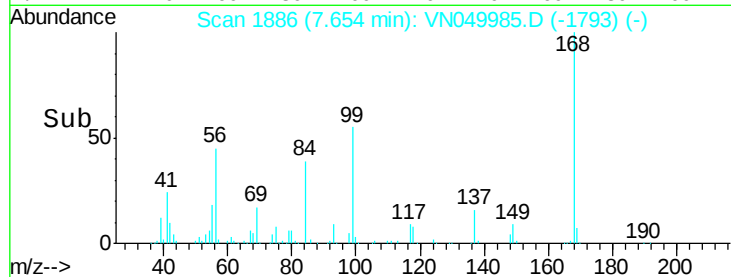
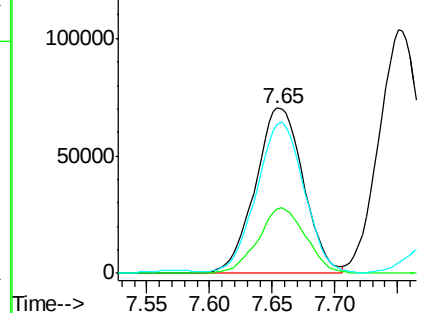
7/23/2018 2:04:27 PM



Abundance Ion 56.00 (55.70 to 56.70): VN049866.D (-1863) (-)

Ion 69.00 (68.70 to 69.70): VN049866.D (-1863) (-)

Ion 84.00 (83.70 to 84.70): VN049866.D (-1863) (-)



#32

1,1,1-Trichloroethane

Concen: 19.79 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

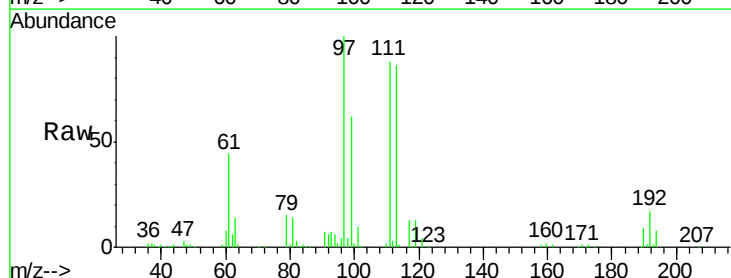
Tgt Ion: 97 Resp: 217748

Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.4

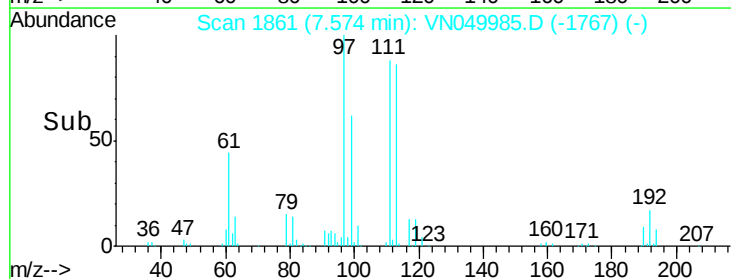
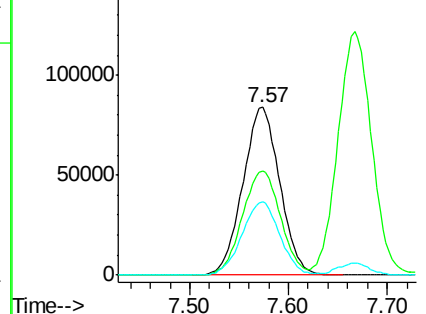
61 44.8 35.5 53.3

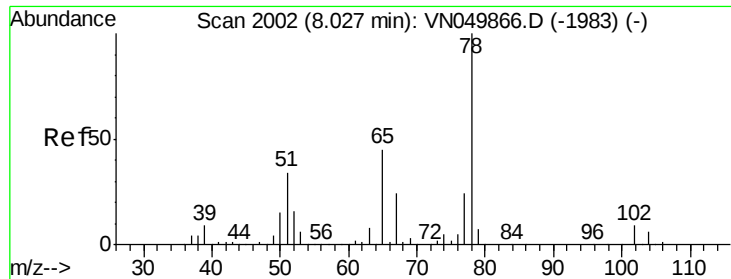


Abundance Ion 96.90 (96.60 to 97.60): VN049866.D (-1838) (-)

Ion 98.90 (98.60 to 99.60): VN049866.D (-1838) (-)

Ion 60.90 (60.60 to 61.60): VN049866.D (-1838) (-)





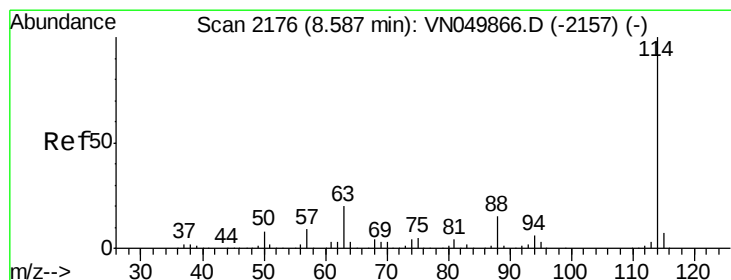
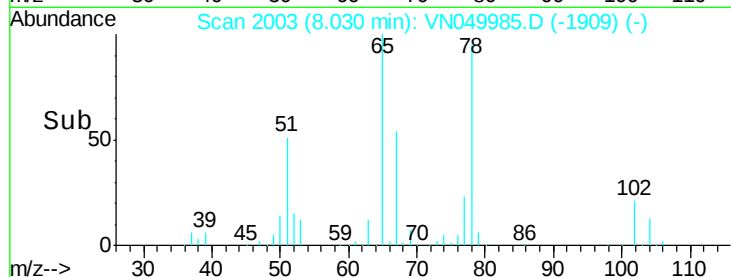
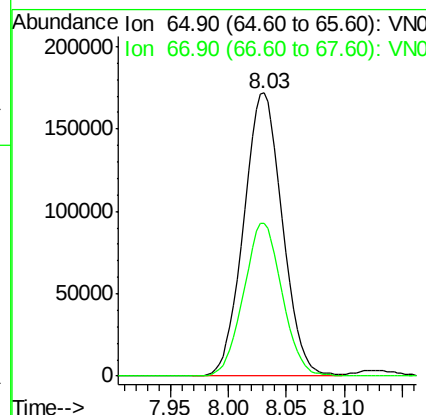
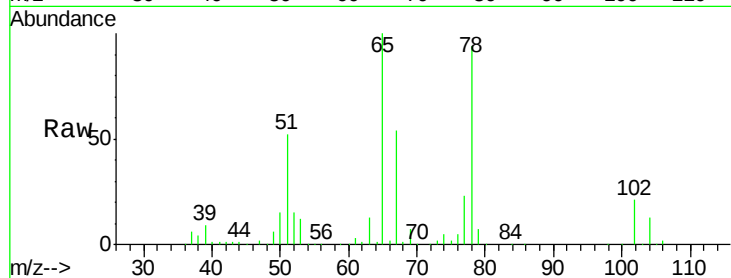
#33
 1,2-Dichloroethane-d4
 Concen: 52.46 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	399296		
67	53.9	0.0	107.2	

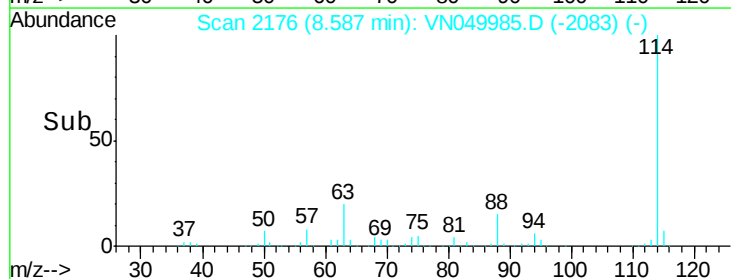
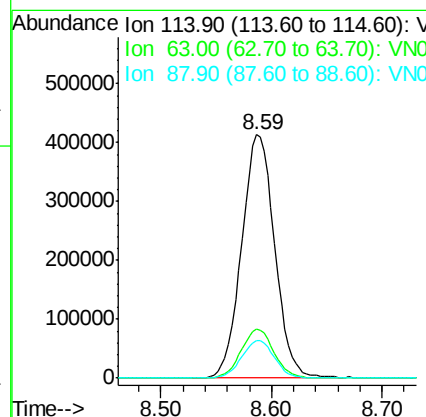
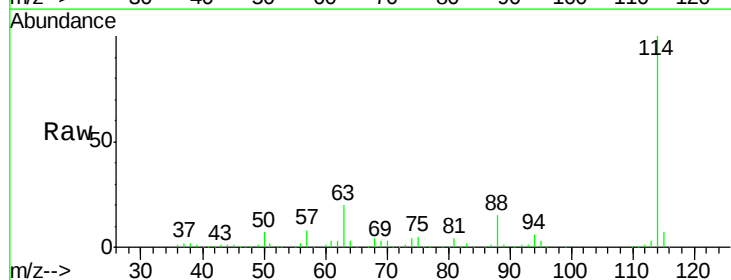
Manual Integrations
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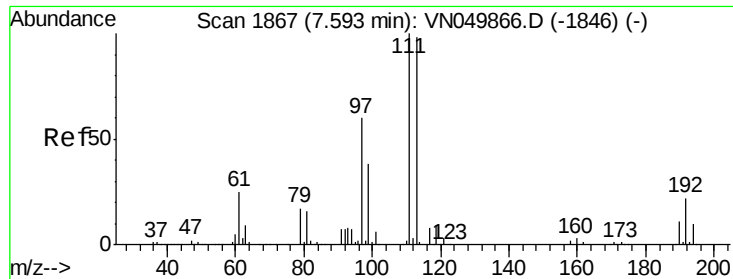
MMDadoda
 7/23/2018 2:04:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	859092		
63	20.2	0.0	39.8	
88	15.4	0.0	30.6	





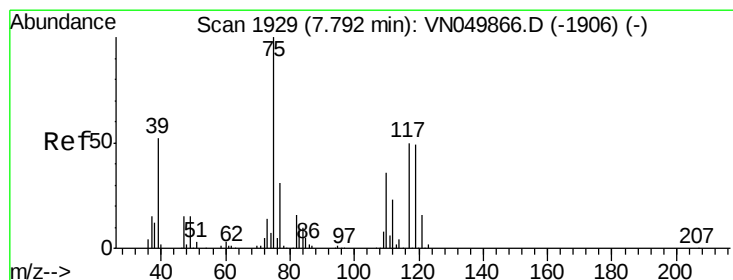
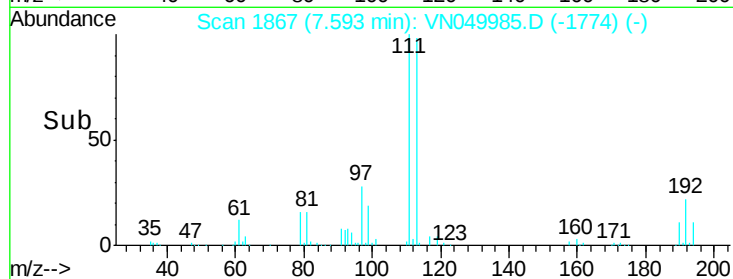
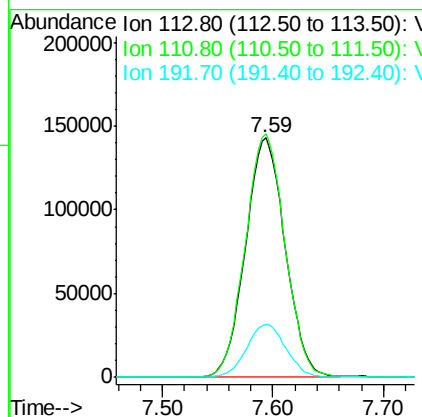
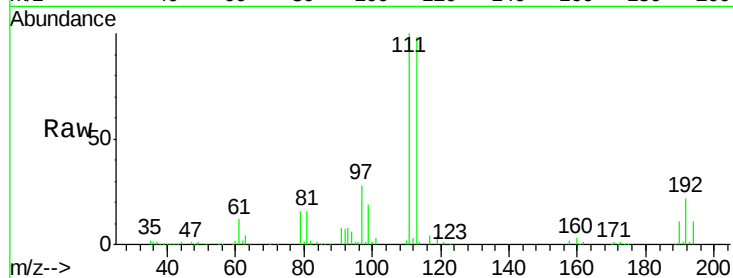
#35
Dibromofluoromethane
Concen: 49.46 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.7	81.8	122.8	
192	22.0	17.8	26.6	

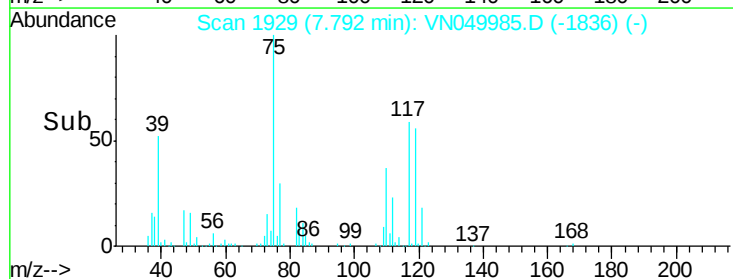
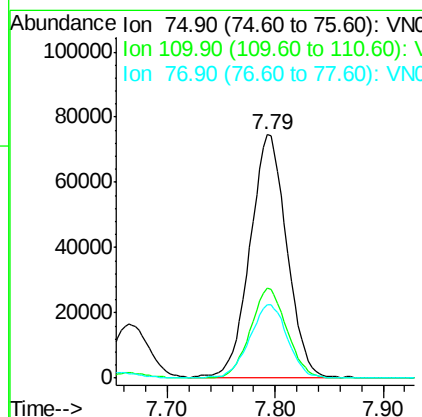
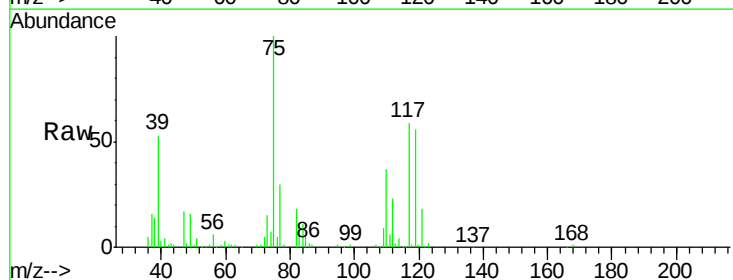
Manual Integrations
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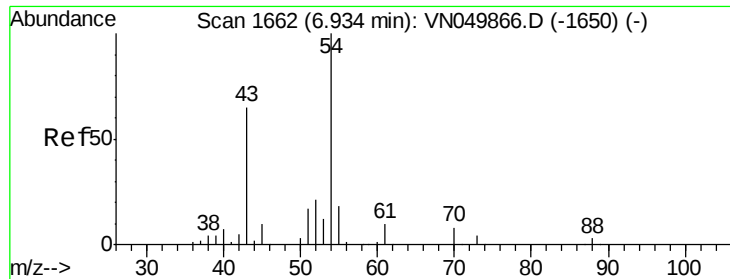
MMDadoda
7/23/2018 2:04:27 PM



#36
1,1-Dichloropropene
Concen: 18.41 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.6	18.1	54.4	
77	31.3	24.9	37.3	





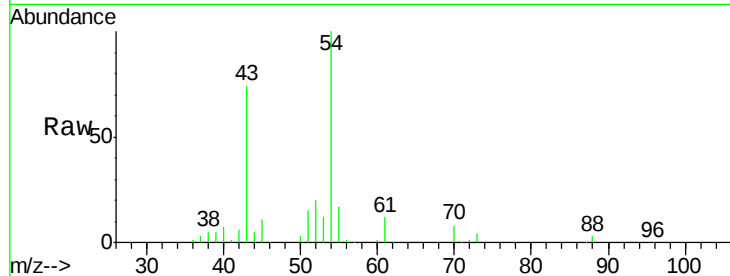
#37
Ethyl Acetate
Concen: 18.72 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.7	17.5
70	10.4	8.4	12.6

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7/23/2018 2:04:27 PM

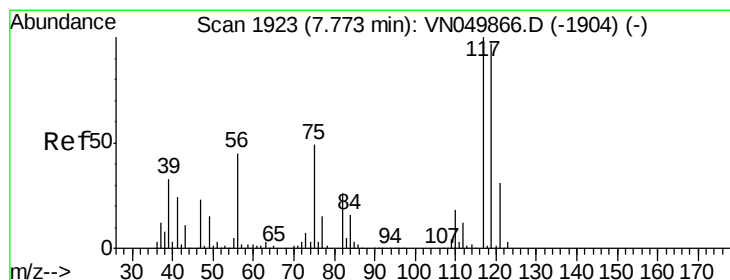
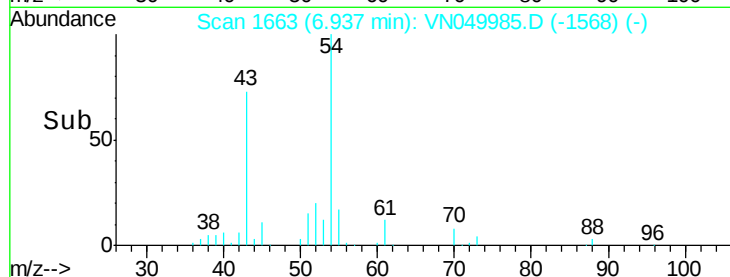
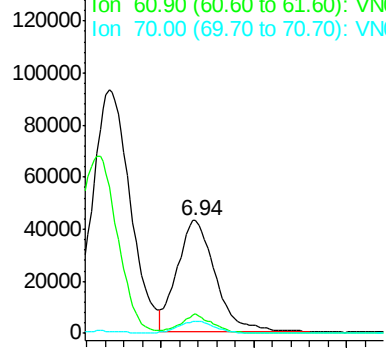


Abundance

Ion 43.00 (42.70 to 43.70): VN049866.D (-1650) (-)

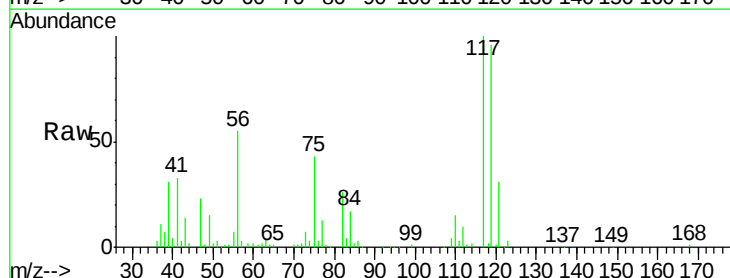
Ion 60.90 (60.60 to 61.60): VN049866.D (-1650) (-)

Ion 70.00 (69.70 to 70.70): VN049866.D (-1650) (-)



#38
Carbon Tetrachloride
Concen: 18.69 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.2	115.8
121	31.1	25.0	37.6

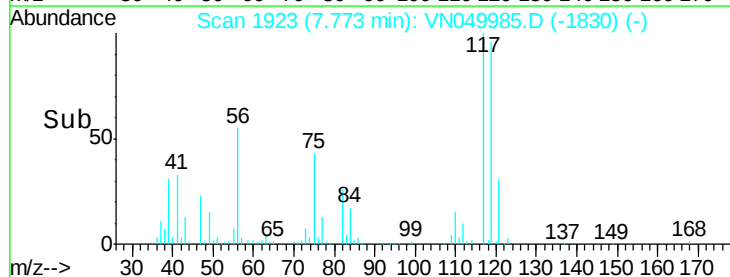
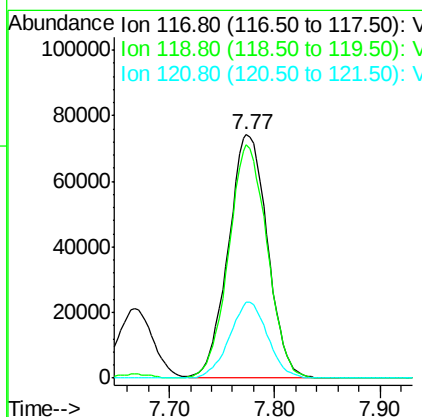


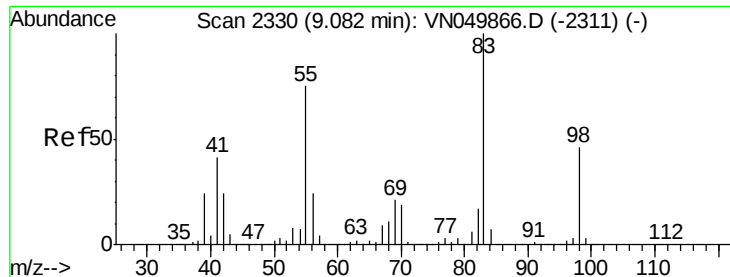
Abundance

Ion 116.80 (116.50 to 117.50): VN049866.D (-1904) (-)

Ion 118.80 (118.50 to 119.50): VN049866.D (-1904) (-)

Ion 120.80 (120.50 to 121.50): VN049866.D (-1904) (-)





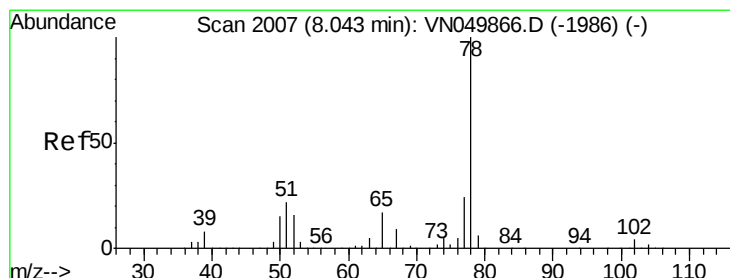
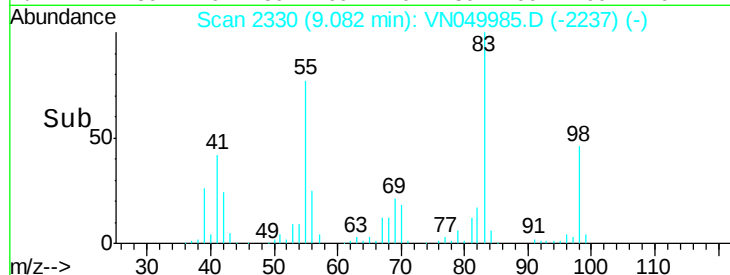
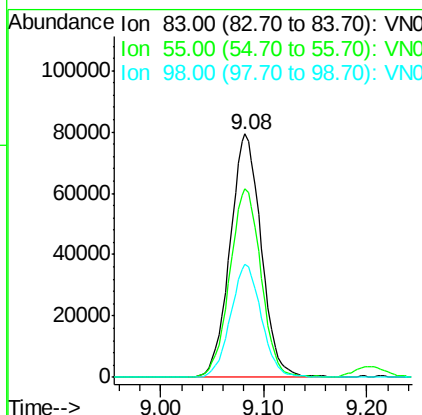
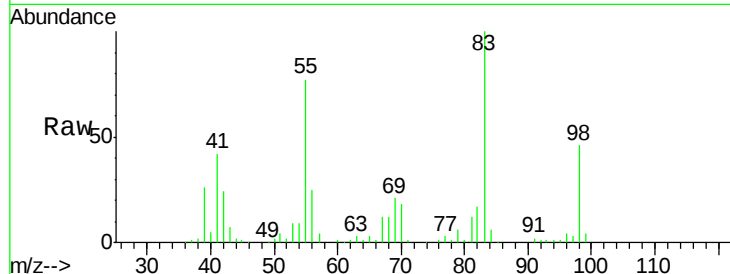
#39
Methvlcvclohexane
Concen: 16.94 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion	83	Resp	167140
Ion Ratio	Lower	Upper	
83	100		
55	77.4	59.7	89.5
98	46.4	36.5	54.7

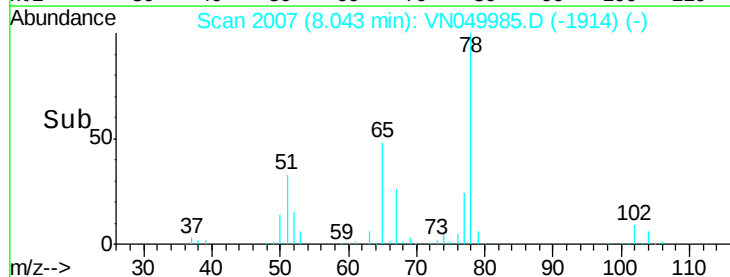
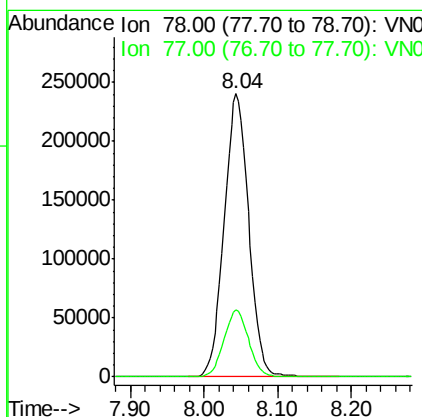
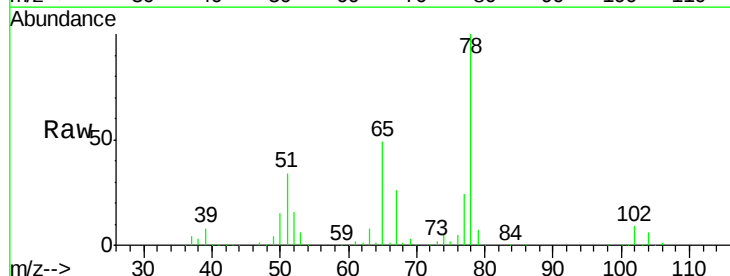
Manual Integrations
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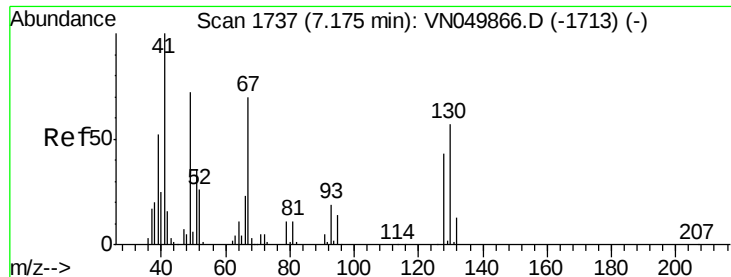
MMDadoda
7/23/2018 2:04:27 PM



#40
Benzene
Concen: 19.13 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion	78	Resp	556838
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.0	28.4





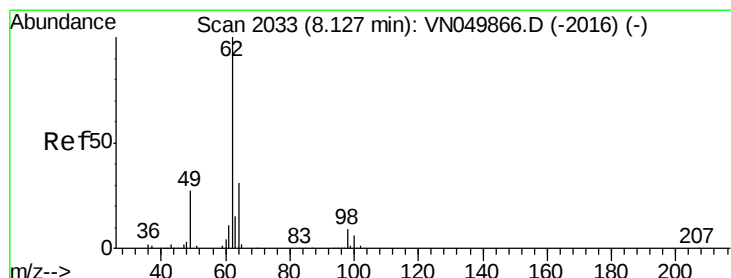
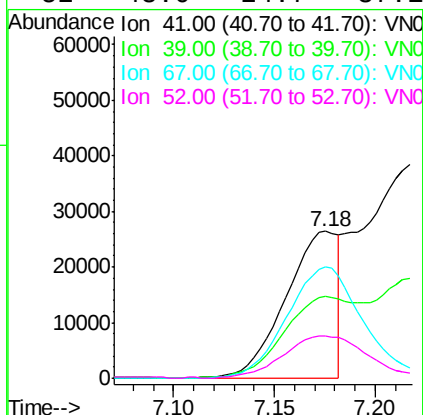
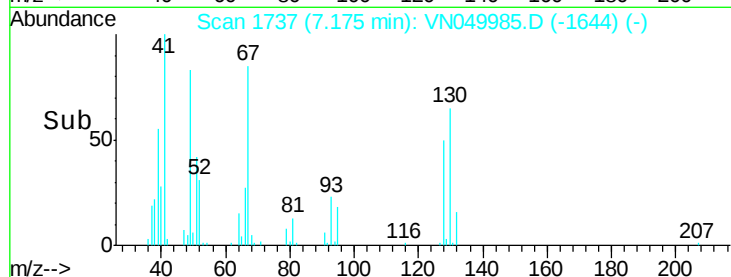
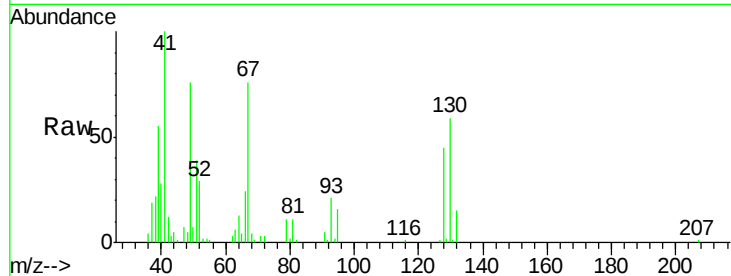
#41
Methacrylonitrile
Concen: 14.53 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.4	45.4	68.2#
67	110.6	65.4	98.0#
52	48.0	24.7	37.1#

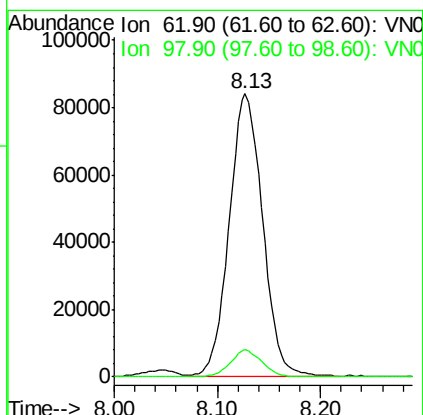
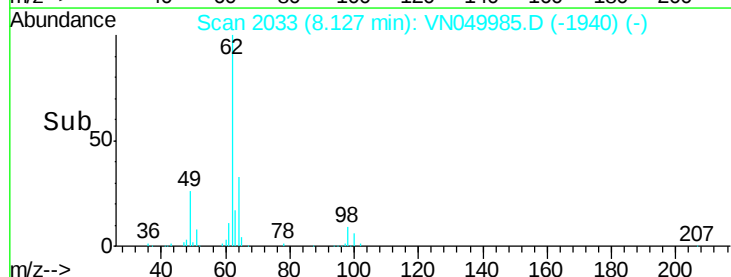
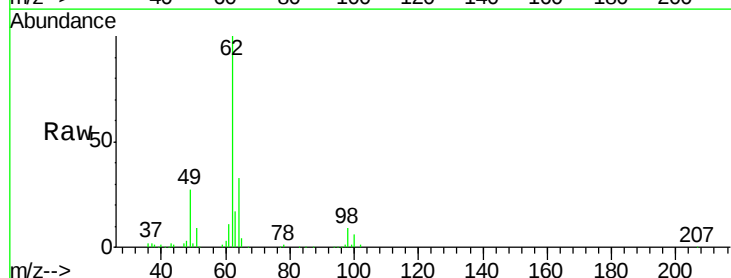
Manual Integrations
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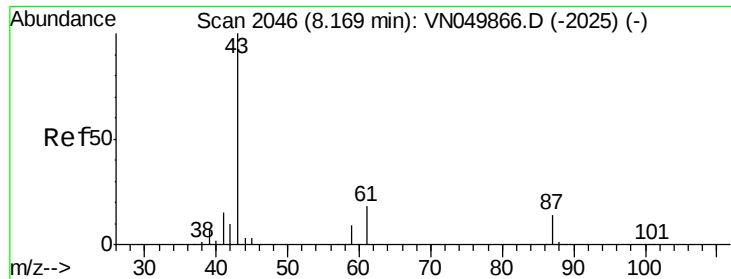
MMDadoda
7/23/2018 2:04:27 PM



#42
1,2-Dichloroethane
Concen: 19.62 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.0





#43

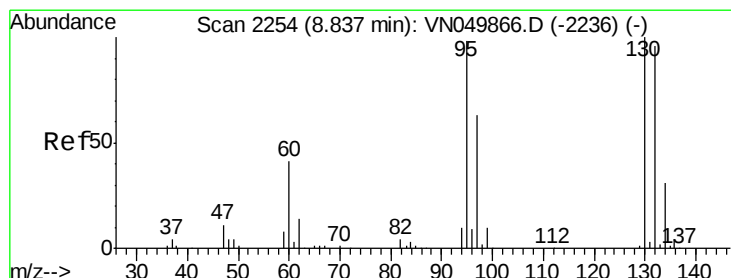
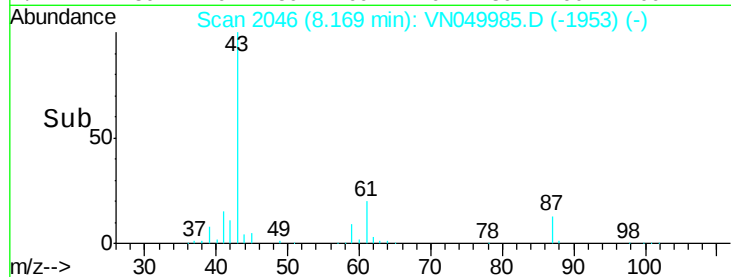
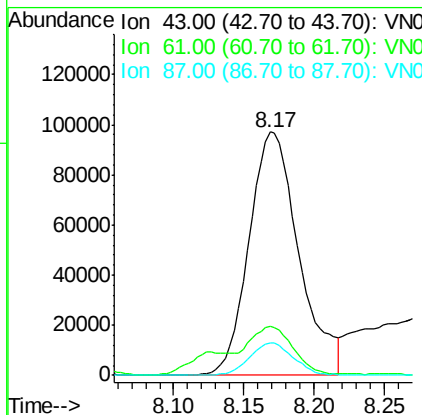
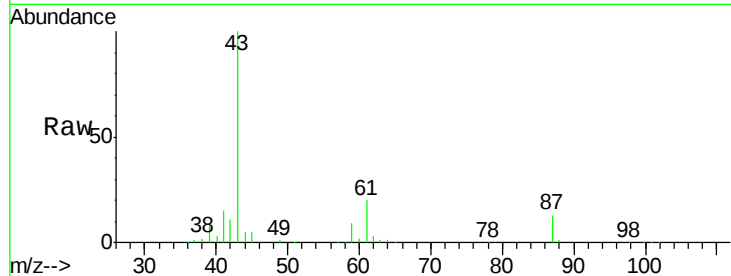
Isopropyl Acetate
 Concen: 20.87 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.9	22.3
87	11.7	10.0	15.0

Manual Integrations
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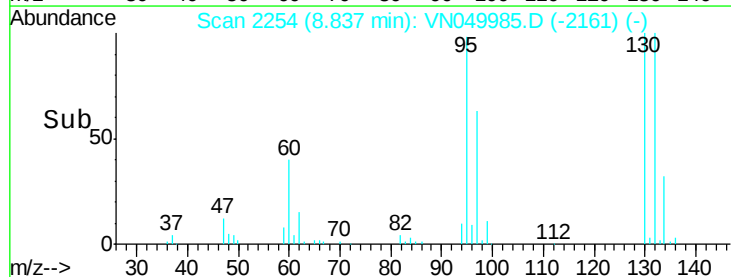
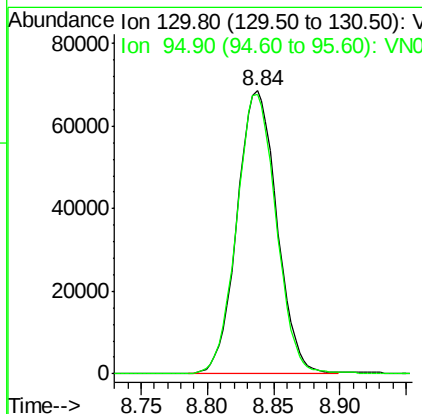
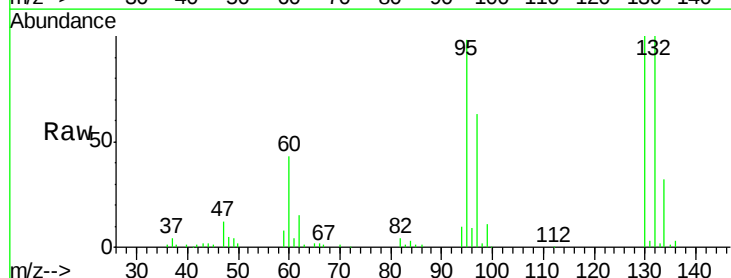
MMDadoda
 7/23/2018 2:04:27 PM

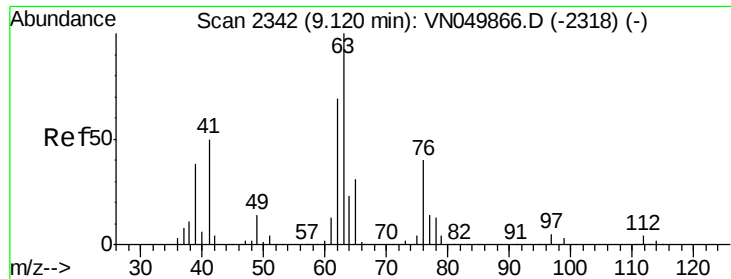


#44

Trichloroethene
 Concen: 18.75 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	192.8





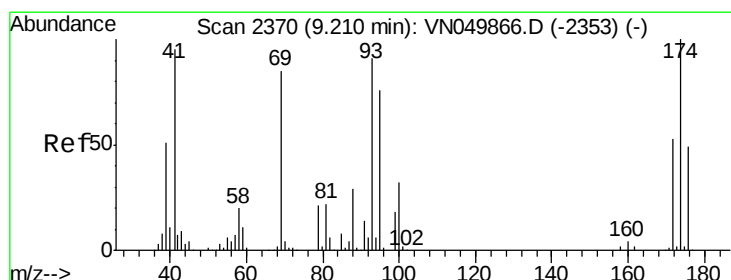
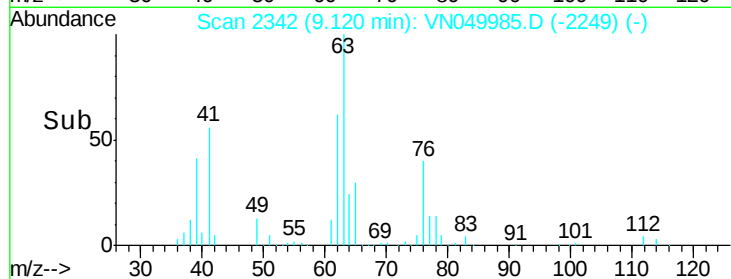
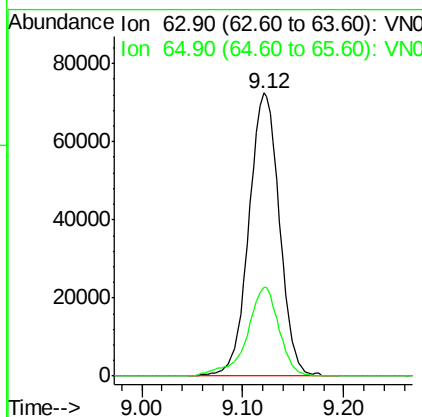
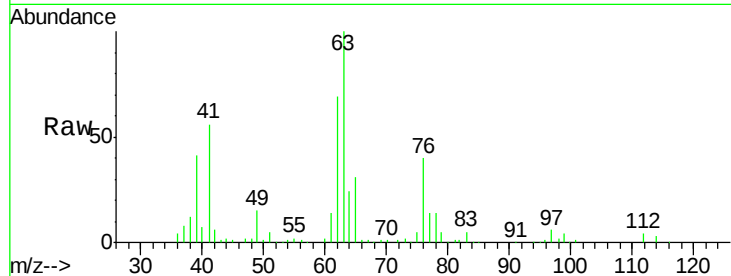
#45
 1,2-Dichloropropane
 Concen: 19.31 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

Tot Ion: 63 Resp: 151685
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1

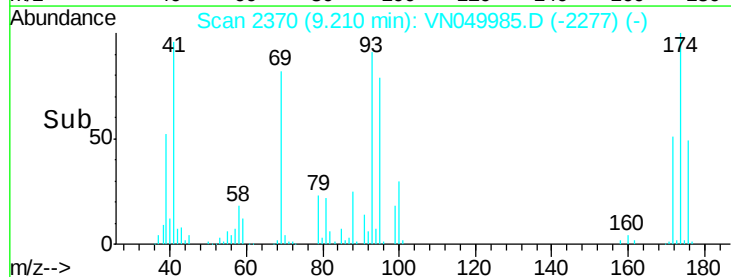
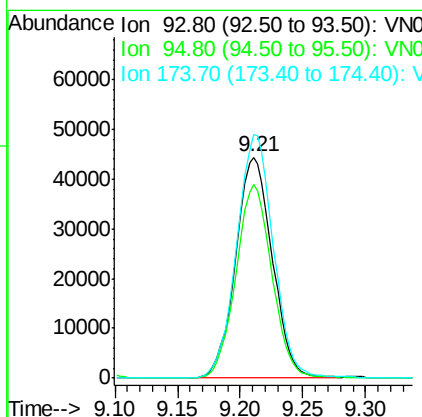
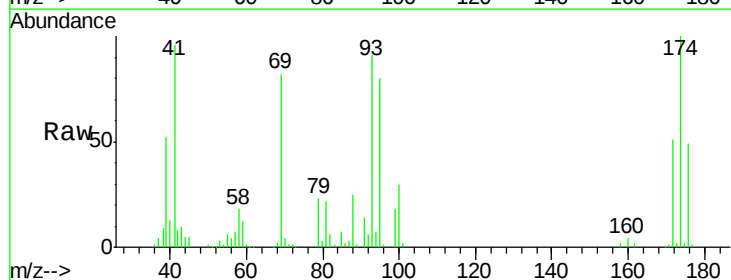
Manual Integrations
 APPROVED

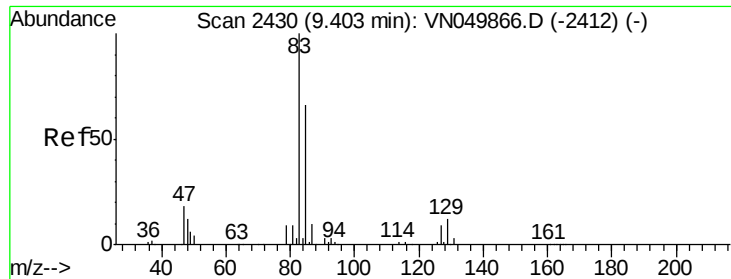
MMDadoda
 7/23/2018 2:04:27 PM



#46
 Dibromomethane
 Concen: 18.54 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion: 93 Resp: 90293
 Ion Ratio Lower Upper
 93 100
 95 85.9 67.9 101.9
 174 110.2 89.4 134.0





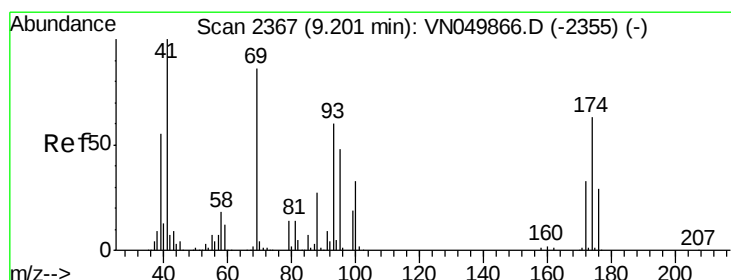
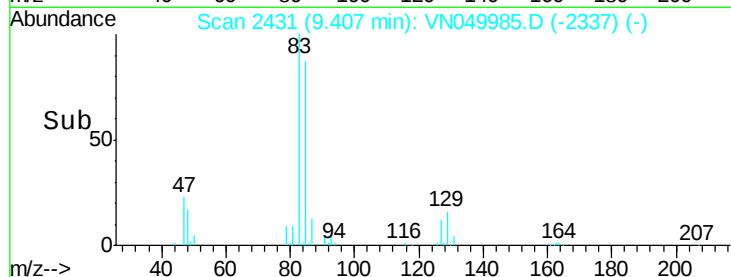
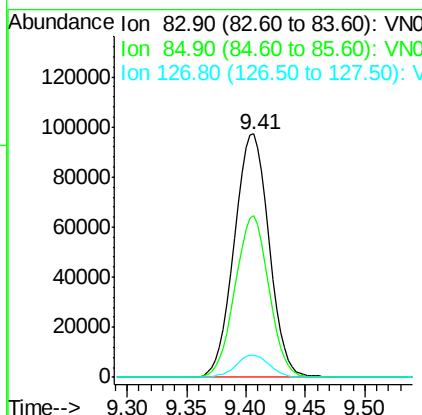
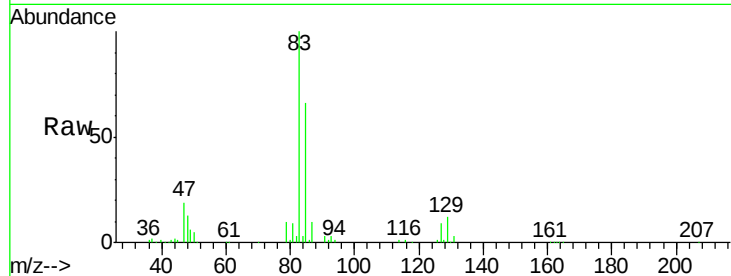
#47
Bromodichloromethane
Concen: 19.61 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	197520		
85	66.2	50.5	75.7	
127	9.2	6.8	10.2	

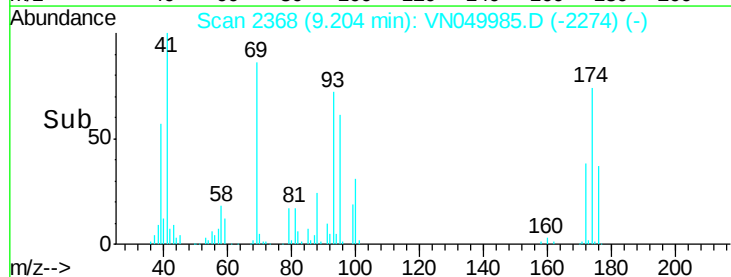
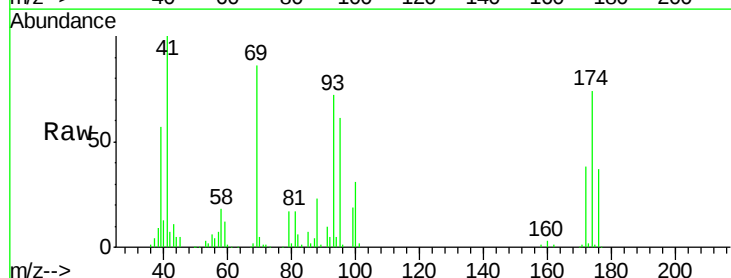
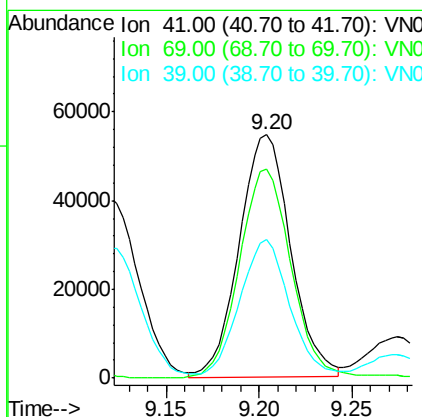
Manual Integrations
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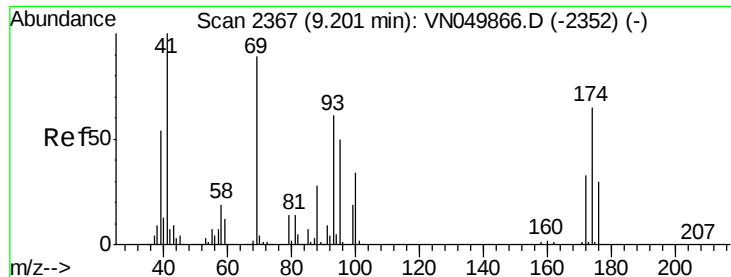
MMDadoda
7/23/2018 2:04:27 PM



#48
Methyl methacrylate
Concen: 18.37 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	105601		
69	86.9	71.5	107.3	
39	55.7	44.7	67.1	





#49

1,4-Dioxane

Concen: 334.24 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

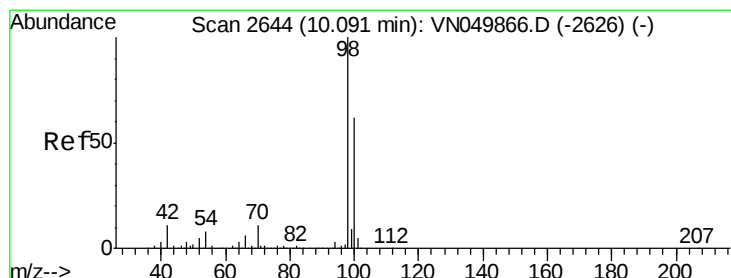
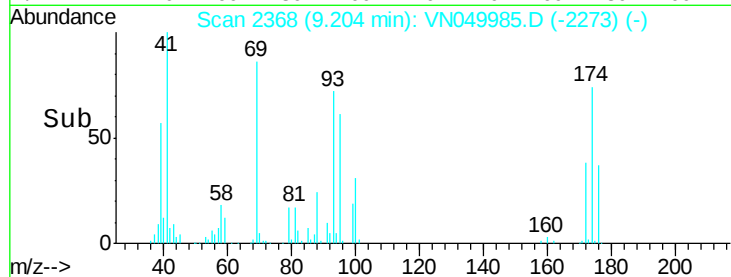
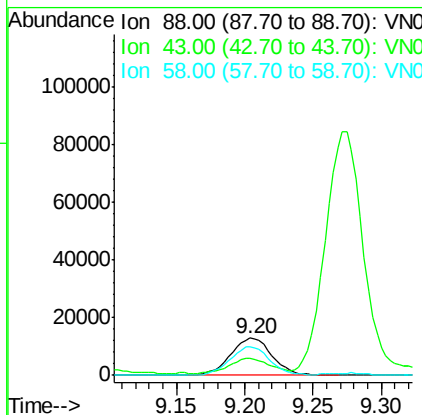
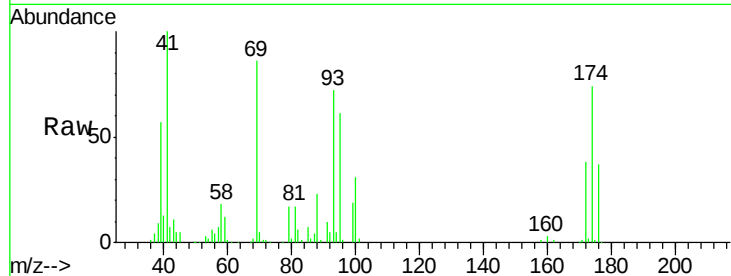
ClientSampleId :

VN0720WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	25.1	37.7#
58	73.9	52.5	78.7

Manual Integrations
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#50

Toluene-d8

Concen: 49.38 ug/l

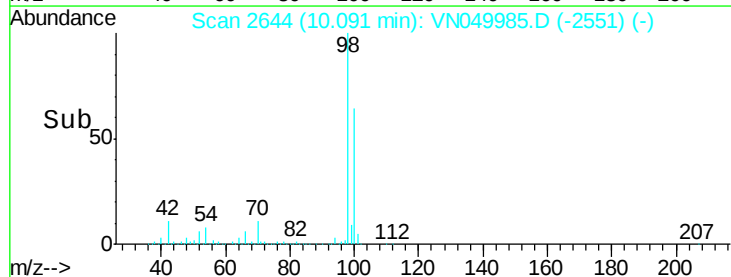
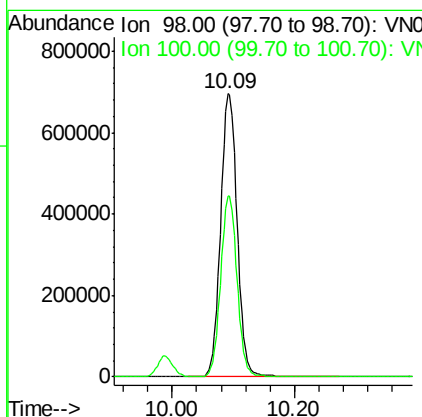
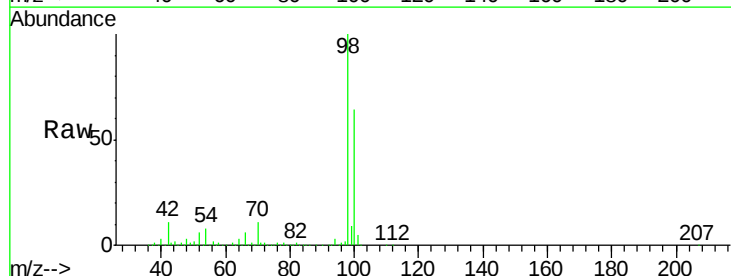
RT: 10.09 min Scan# 2644

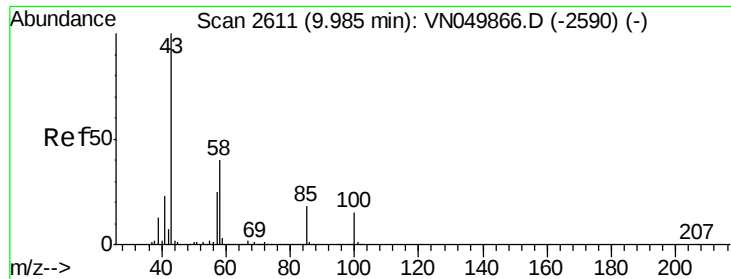
Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 95.95 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

Tot Ion: 43 Resp: 614662

Ion Ratio Lower Upper

43 100

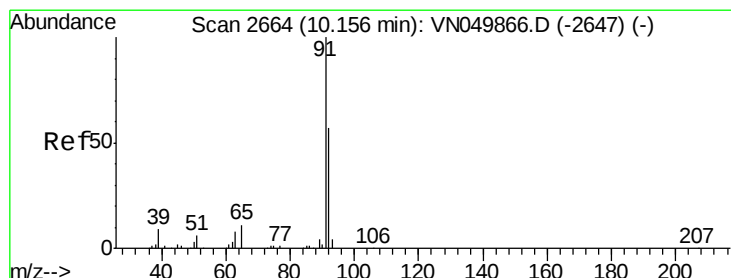
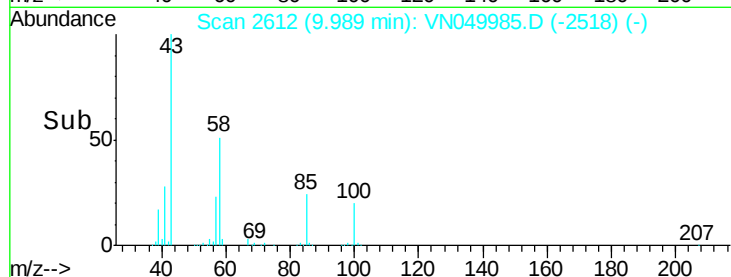
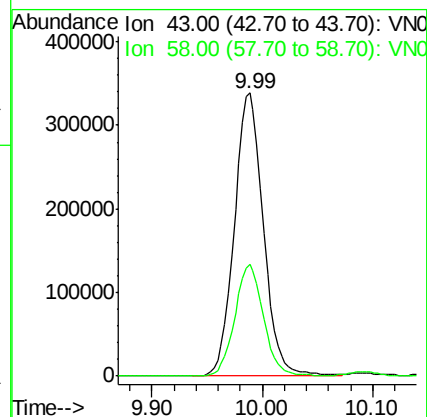
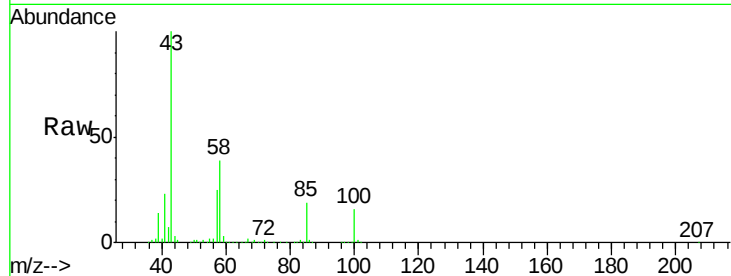
58 39.1 31.8 47.8

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#52

Toluene

Concen: 19.71 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049985.D

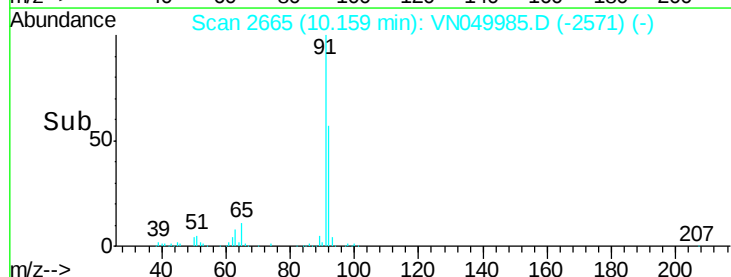
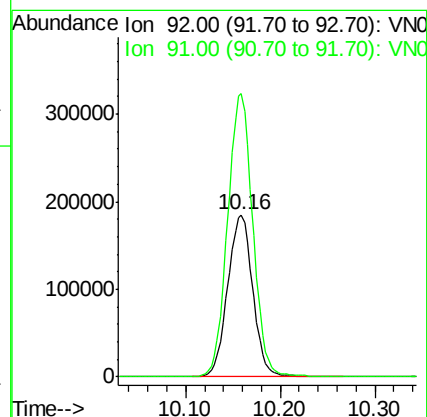
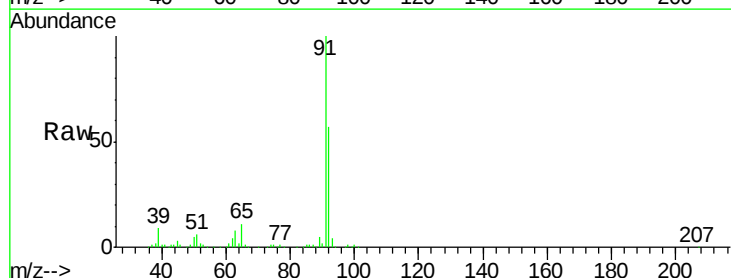
Acq: 21 Jul 2018 3:05

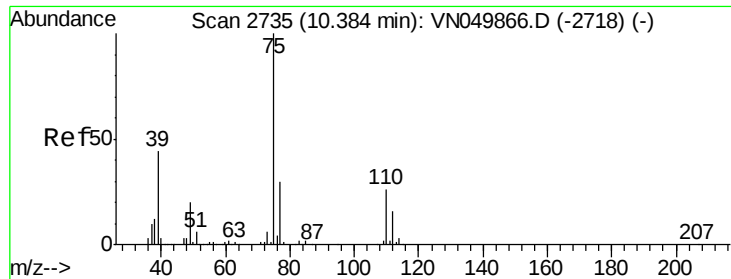
Tgt Ion: 92 Resp: 342327

Ion Ratio Lower Upper

92 100

91 175.1 140.1 210.1





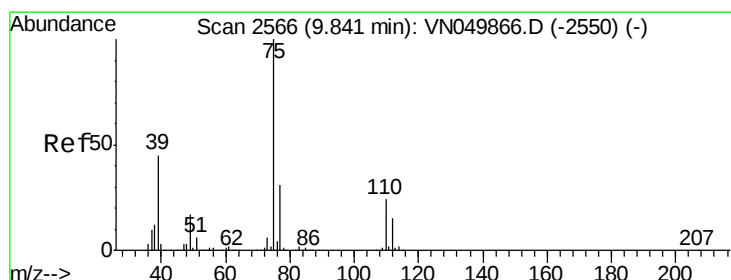
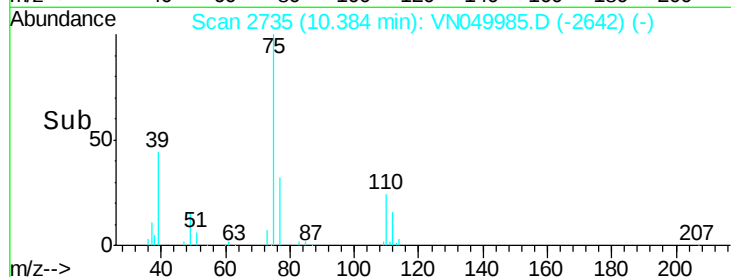
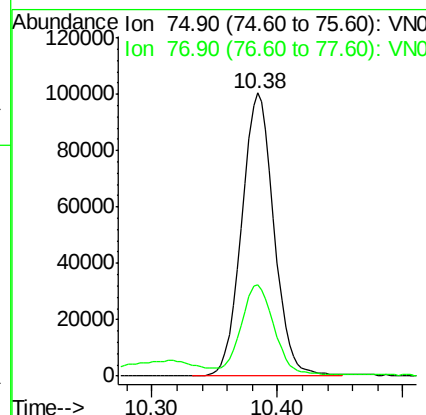
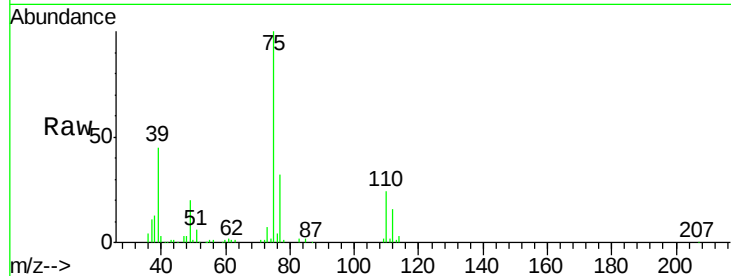
#53
t-1,3-Dichloropropene
Concen: 18.01 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion: 75 Resp: 179376
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8

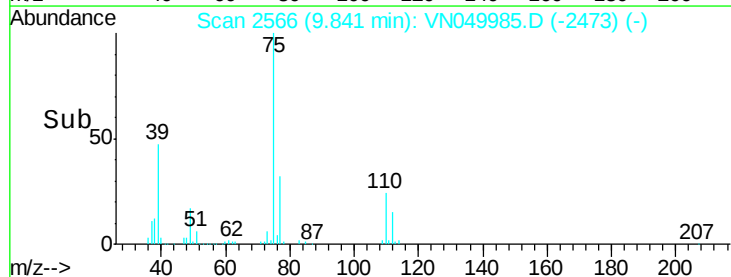
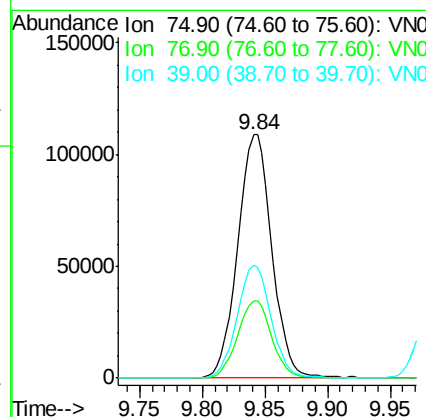
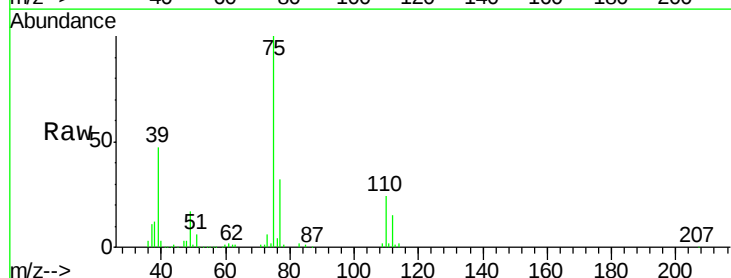
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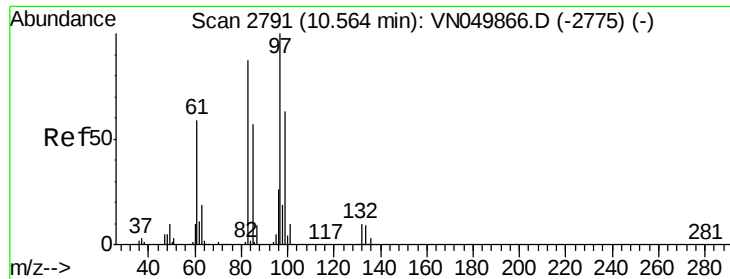
MMDadoda
7/23/2018 2:04:27 PM



#54
cis-1,3-Dichloropropene
Concen: 18.68 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion: 75 Resp: 205633
Ion Ratio Lower Upper
75 100
77 31.8 25.3 37.9
39 46.4 35.5 53.3





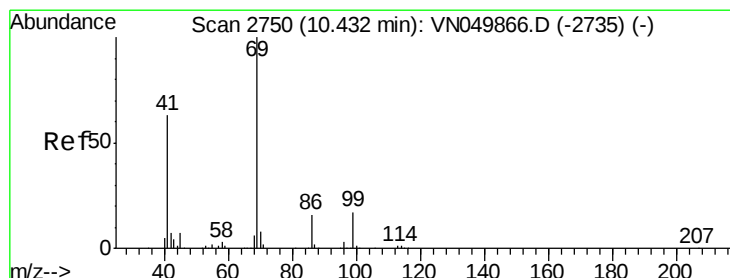
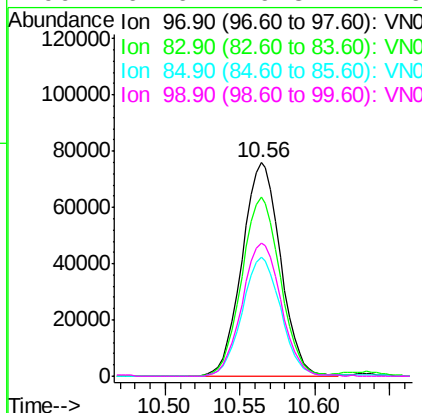
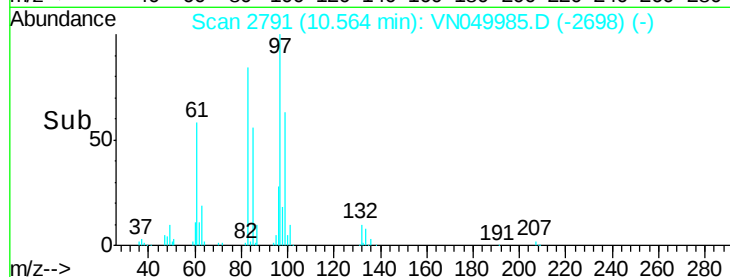
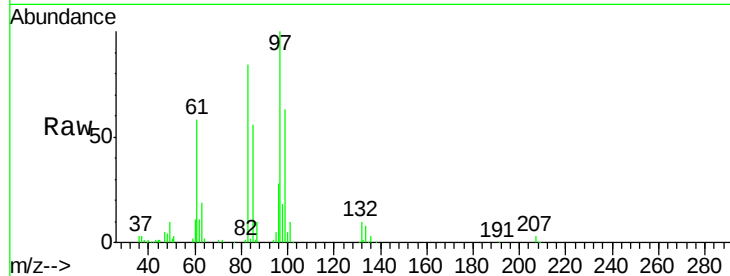
#55
 1,1,2-Trichloroethane
 Concen: 18.95 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		135955		
83	83.6	69.0	103.6		
85	55.8	44.9	67.3		
99	62.6	49.8	74.6		

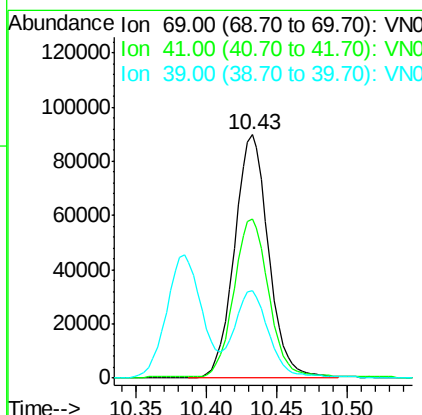
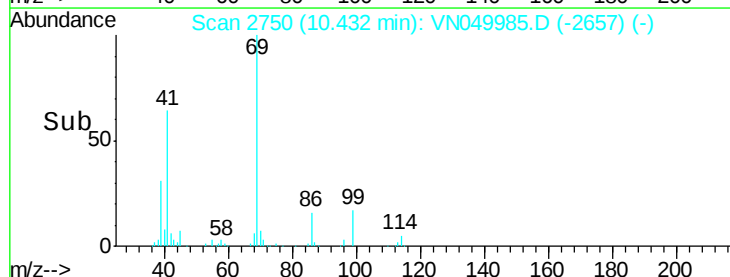
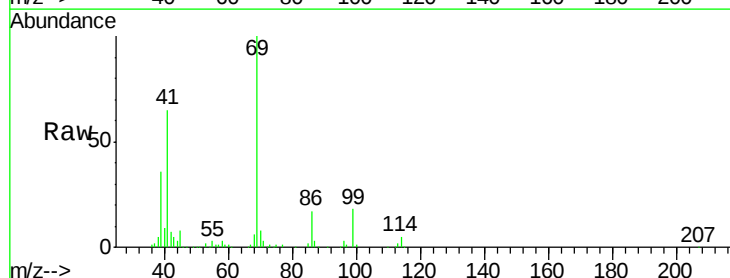
Manual Integrations
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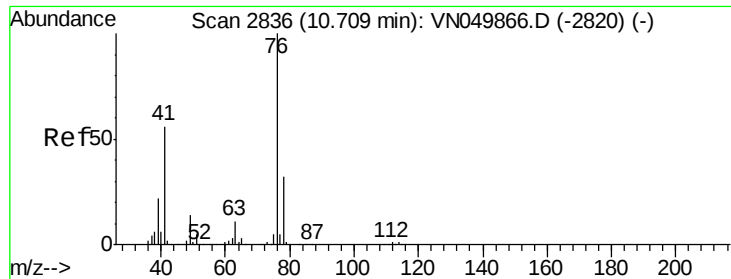
MMDadoda
 7/23/2018 2:04:27 PM



#56
 Ethyl methacrylate
 Concen: 17.30 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		152497		
41	66.2	51.6	77.4		
39	35.3	25.8	38.8		





#57

1,3-Dichloropropane

Concen: 19.41 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

Tot Ion: 76 Resp: 219351

Ion Ratio Lower Upper

76 100

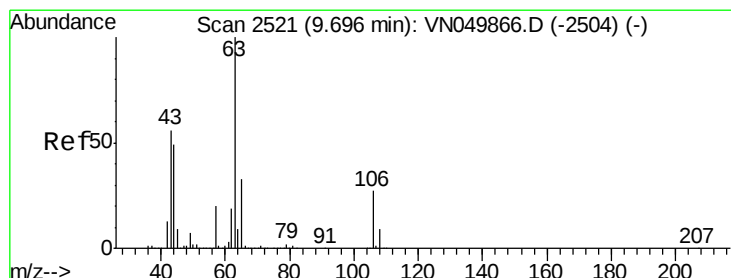
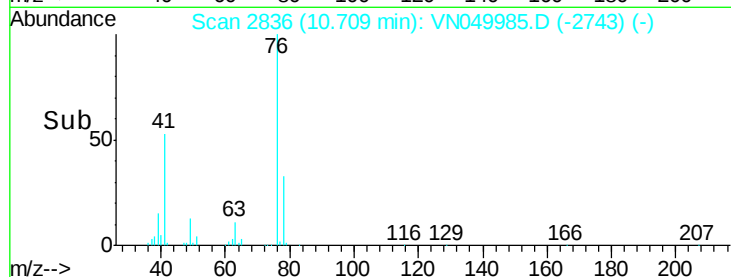
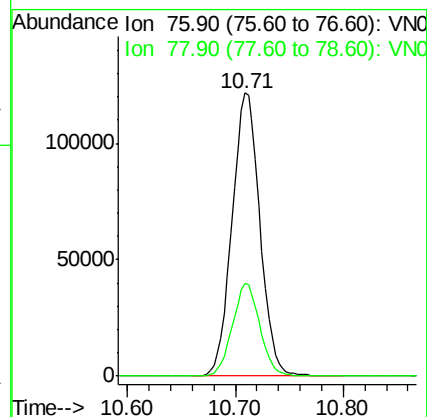
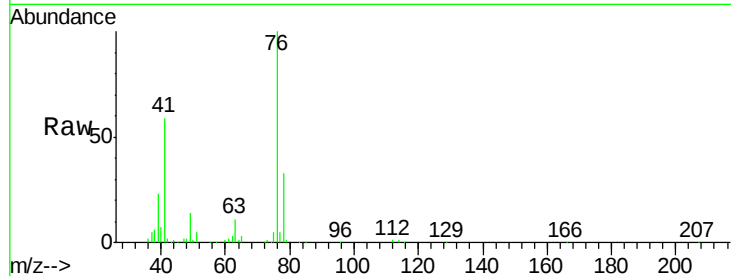
78 32.2 25.8 38.8

Manual Integrations

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MMDadoda

7/23/2018 2:04:27 PM



#58

2-Chloroethyl Vinyl ether

Concen: 91.41 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049985.D

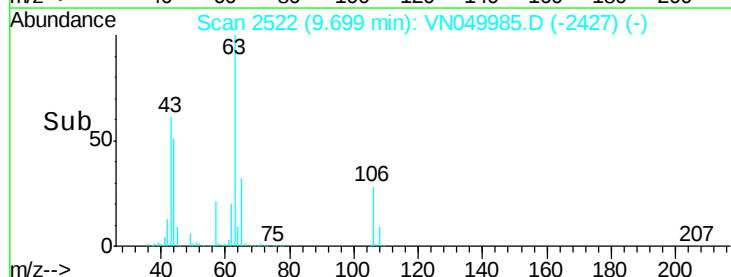
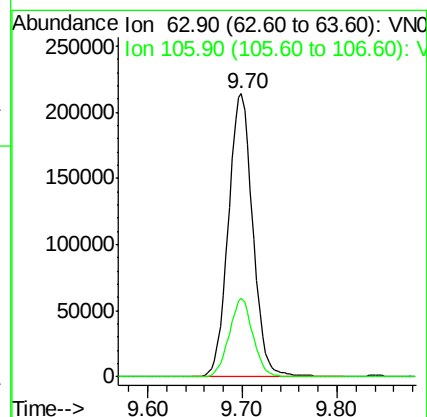
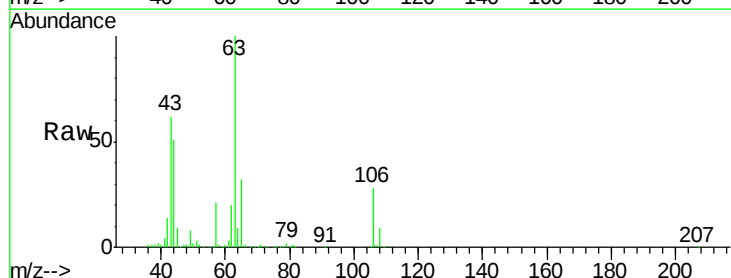
Acq: 21 Jul 2018 3:05

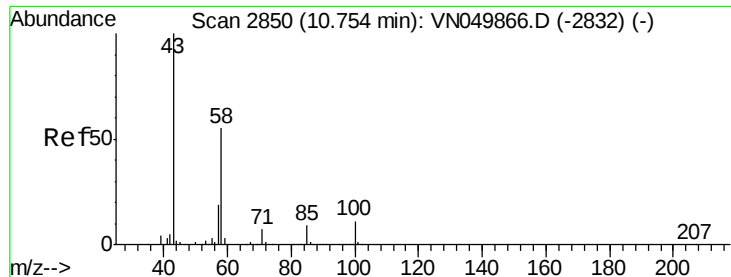
Tgt Ion: 63 Resp: 384810

Ion Ratio Lower Upper

63 100

106 27.1 21.8 32.8





#59

2-Hexanone

Concen: 92.34 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampled :

VN0720WBSD02

Tot Ion: 43 Resp: 397315

Ion Ratio Lower Upper

43 100

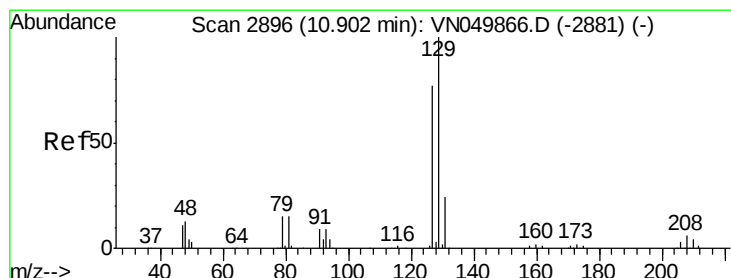
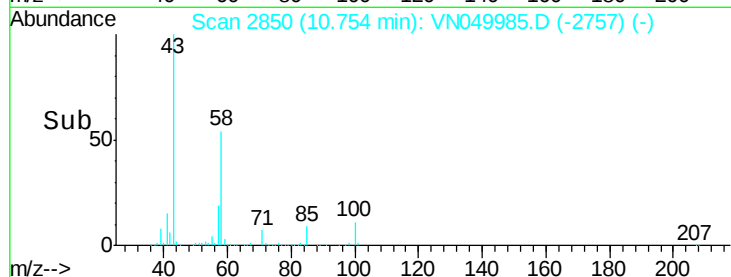
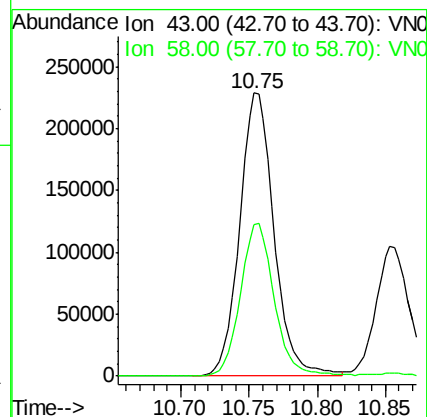
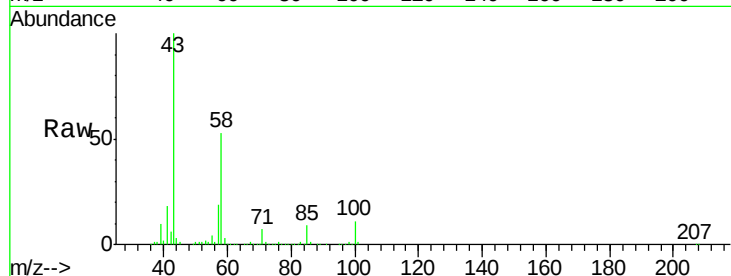
58 53.4 27.8 83.4

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#60

Dibromochloromethane

Concen: 18.94 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN049985.D

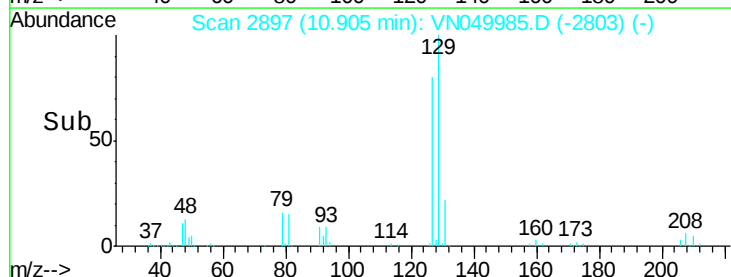
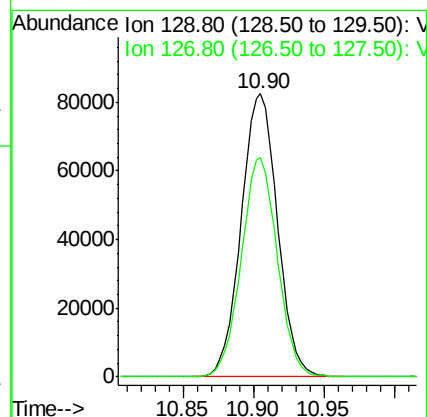
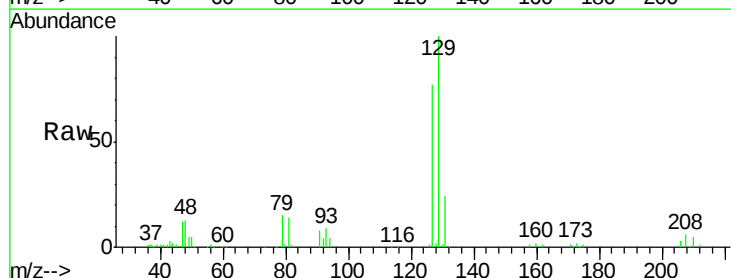
Acq: 21 Jul 2018 3:05

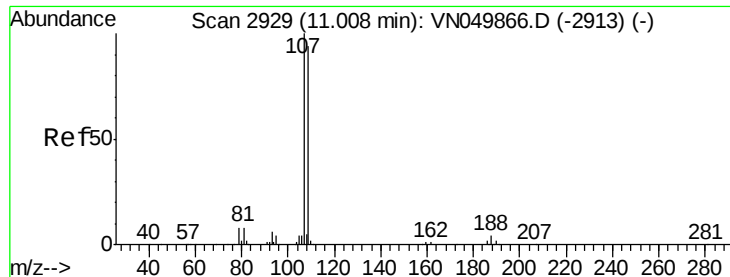
Tgt Ion: 129 Resp: 149048

Ion Ratio Lower Upper

129 100

127 76.9 38.3 114.9





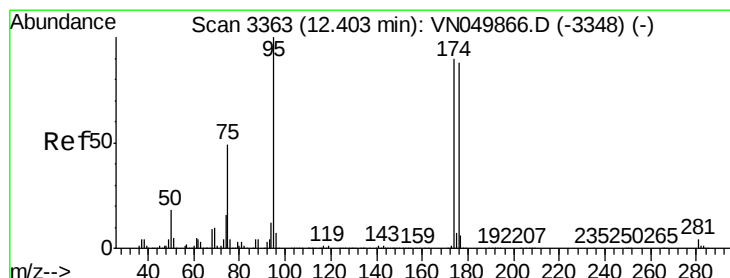
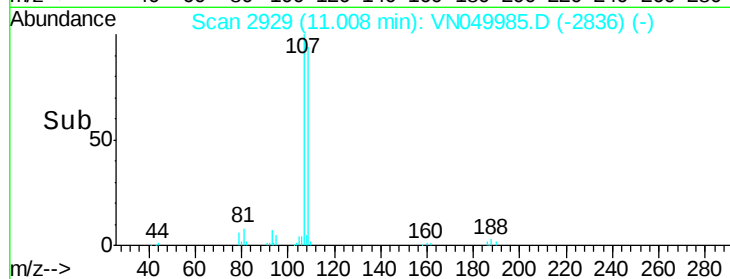
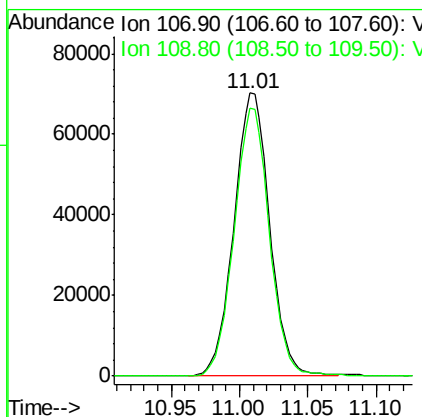
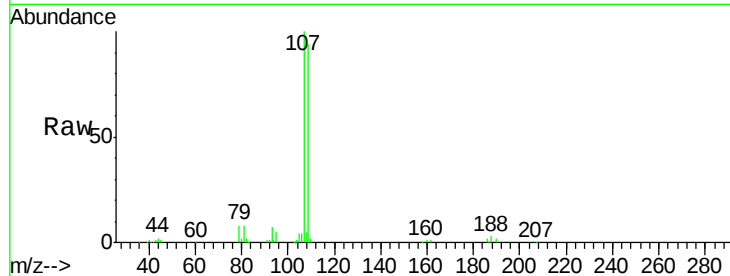
#61
 1,2-Dibromoethane
 Concen: 19.07 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	127860		
109	93.3	75.0	112.6	

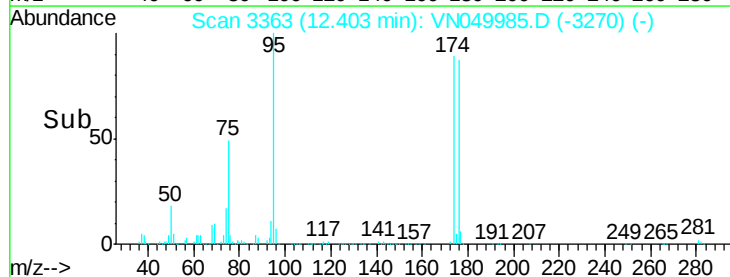
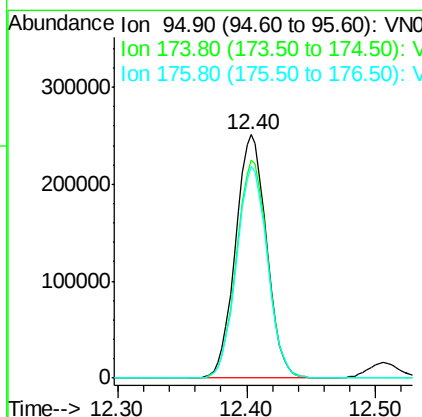
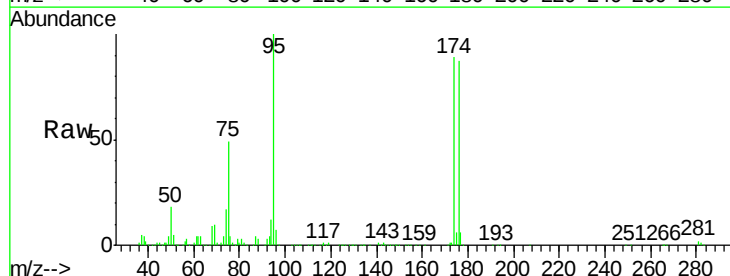
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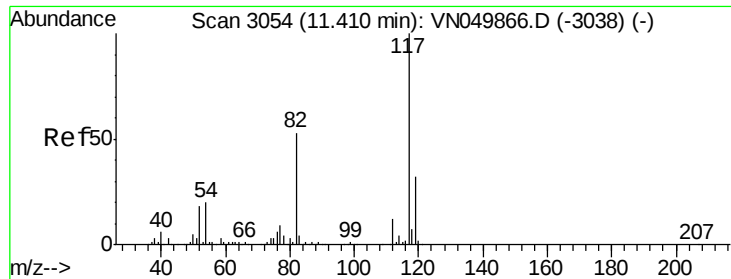
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#62
 4-Bromofluorobenzene
 Concen: 46.39 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	419821		
174	90.0	0.0	179.6	
176	87.0	0.0	174.0	





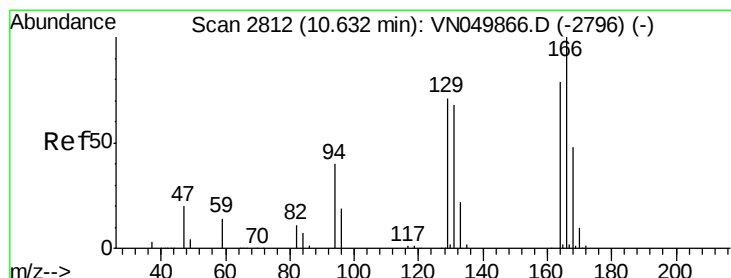
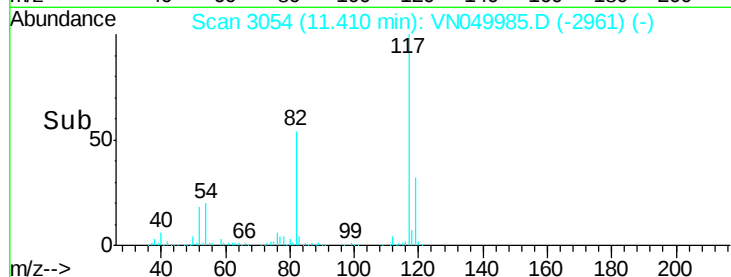
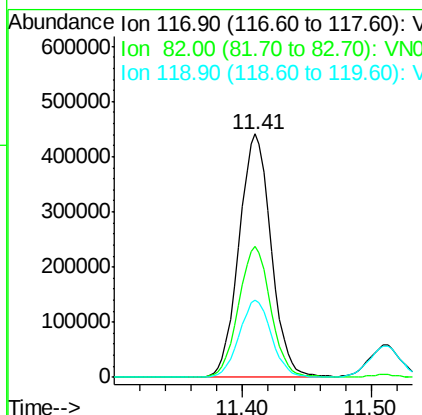
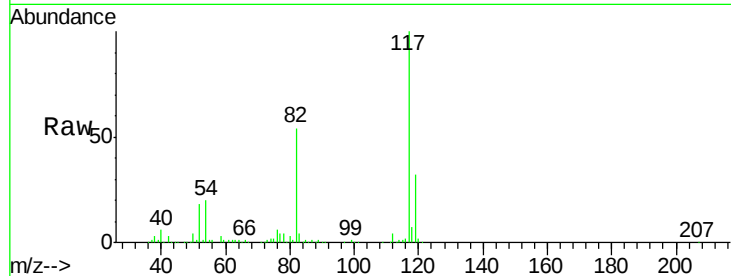
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.6	41.9	62.9
119	31.9	25.4	38.2

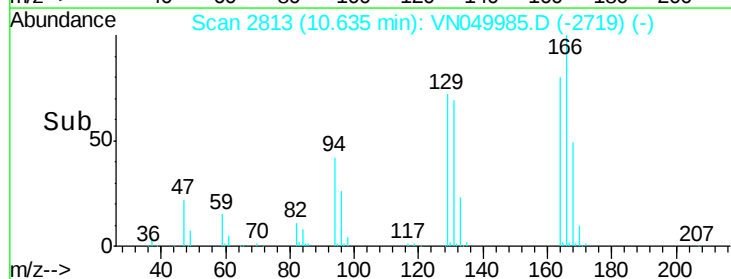
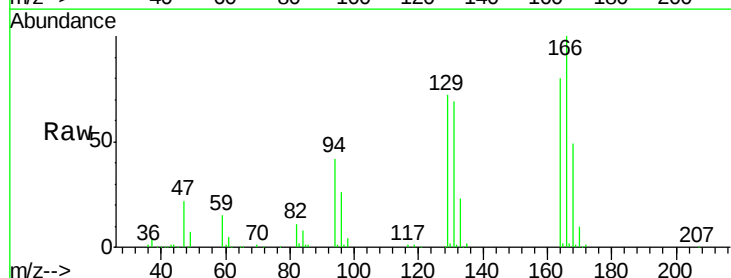
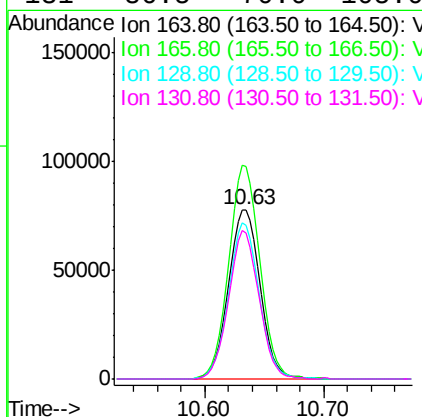
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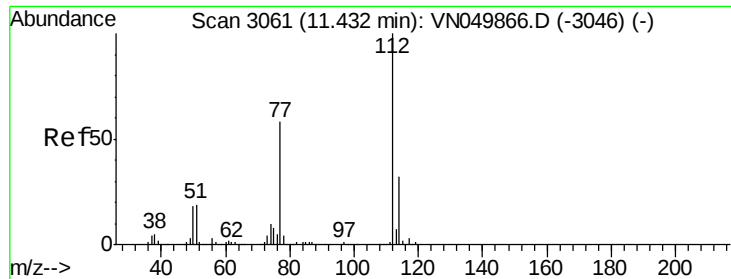
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#64
Tetrachloroethene
Concen: 20.81 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	125.2	101.8	152.6
129	90.6	72.8	109.2
131	86.5	70.0	105.0





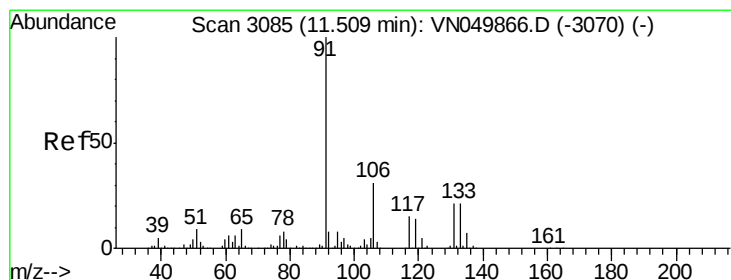
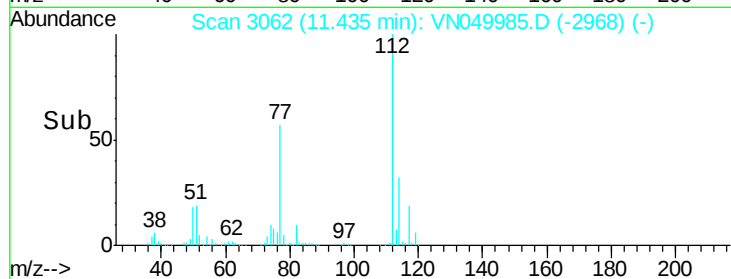
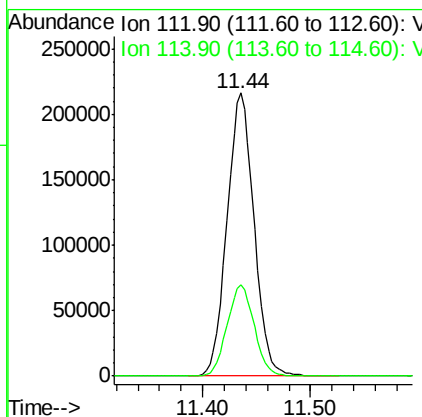
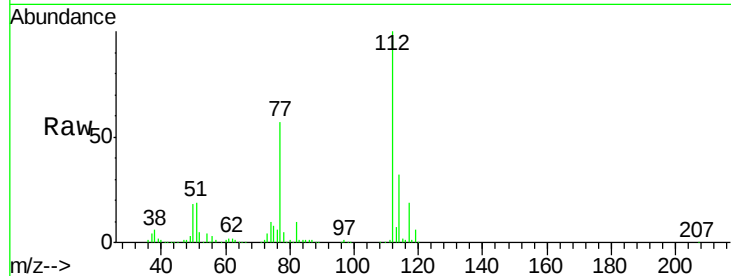
#65
Chlorobenzene
Concen: 19.64 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion:112 Resp: 377225
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0

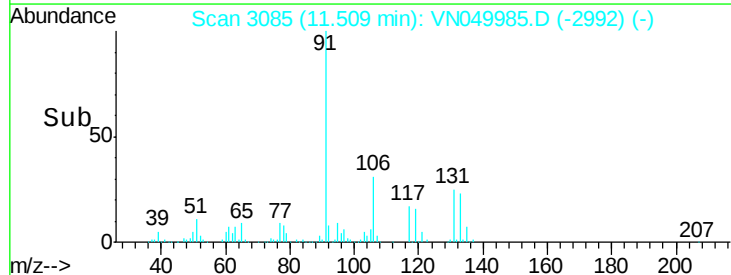
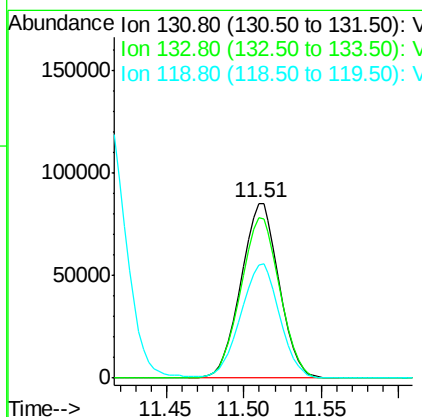
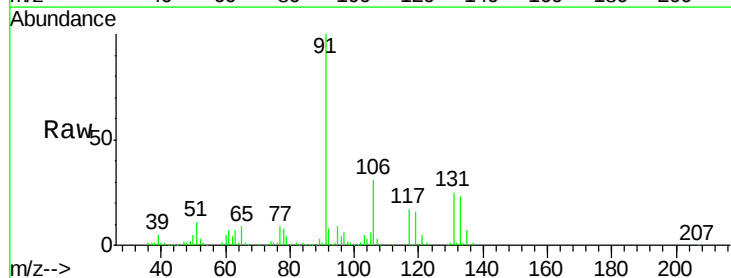
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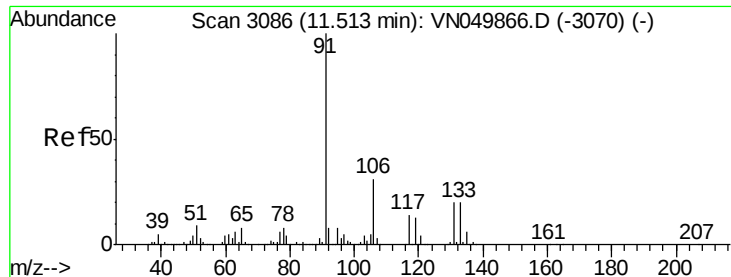
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.69 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion:131 Resp: 146519
Ion Ratio Lower Upper
131 100
133 94.4 47.5 142.6
119 66.8 33.1 99.3





#67

Ethyl Benzene

Concen: 19.42 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

Tot Ion: 91 Resp: 605088

Ion Ratio Lower Upper

91 100

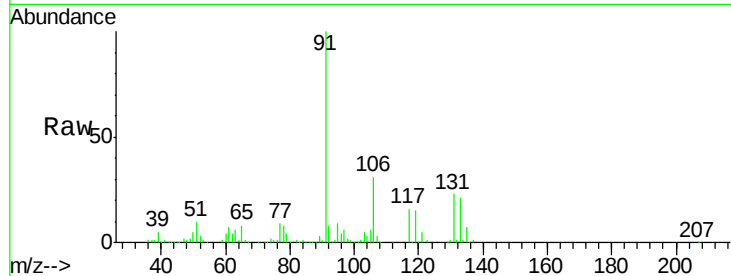
106 31.2 24.8 37.2

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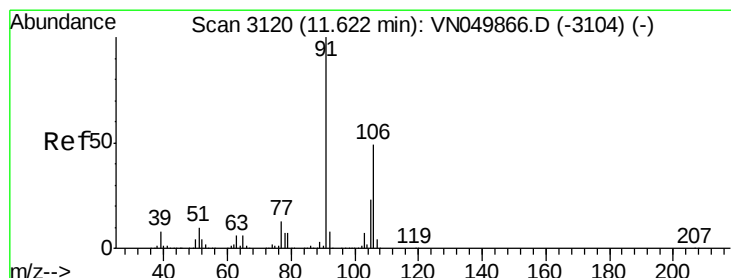
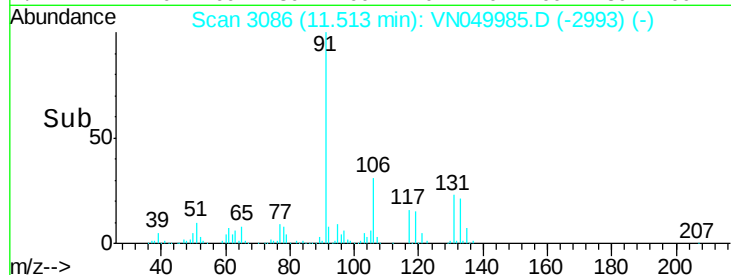
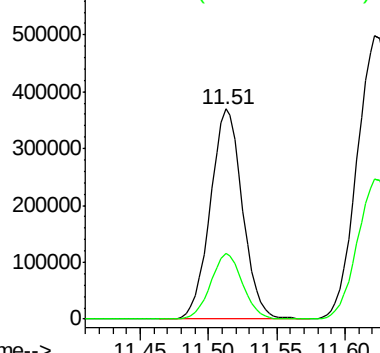
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.06 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049985.D

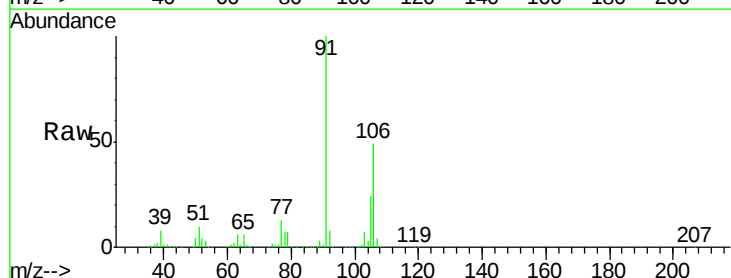
Acq: 21 Jul 2018 3:05

Tgt Ion: 106 Resp: 472597

Ion Ratio Lower Upper

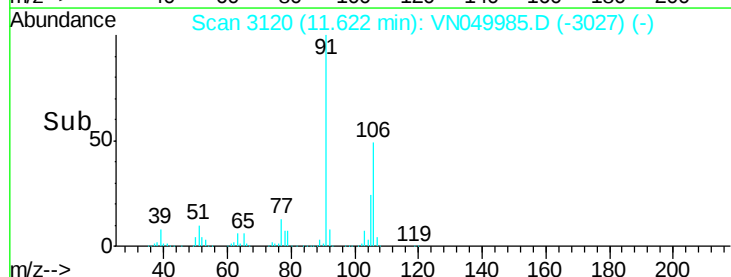
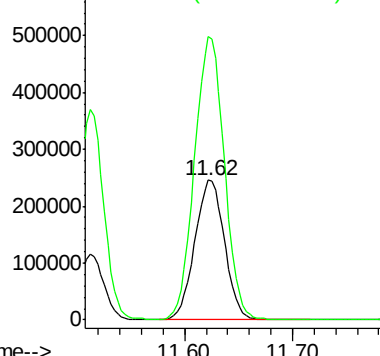
106 100

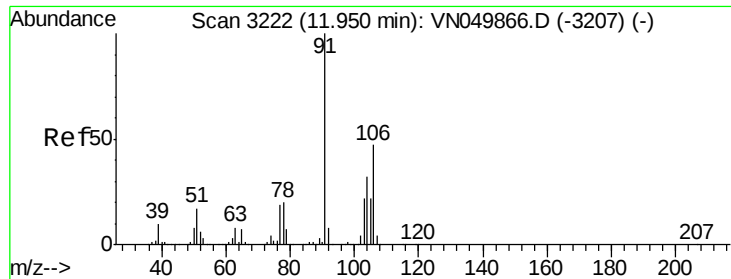
91 203.1 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





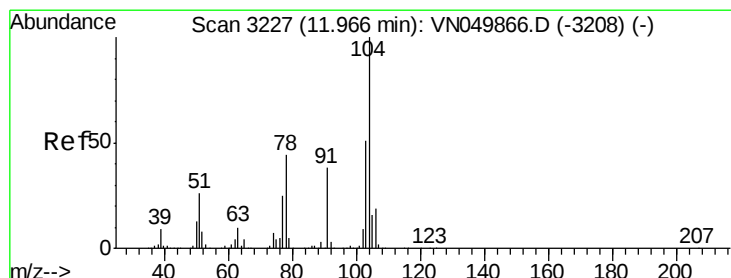
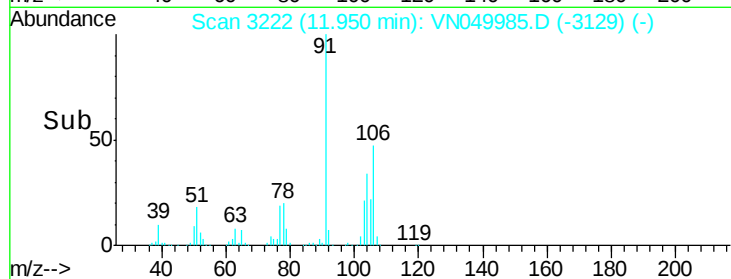
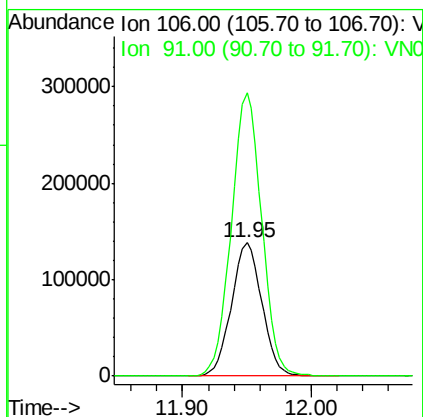
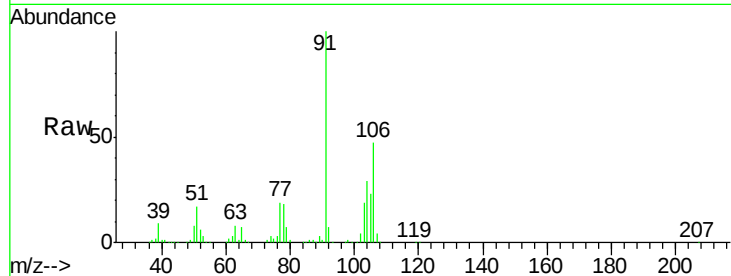
#69
o-Xylene
Concen: 20.03 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		226914		
91	210.8	108.7	326.1		

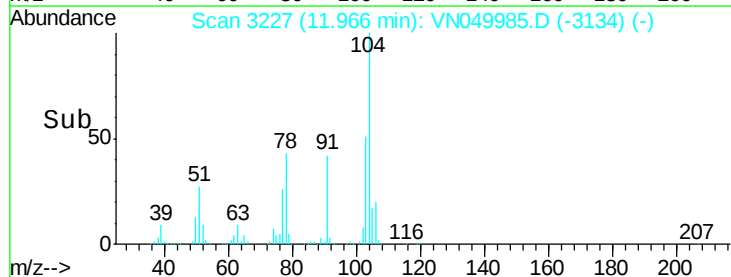
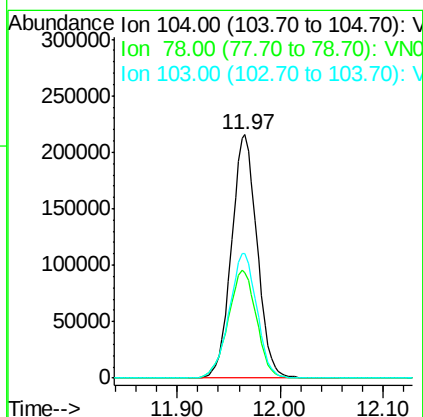
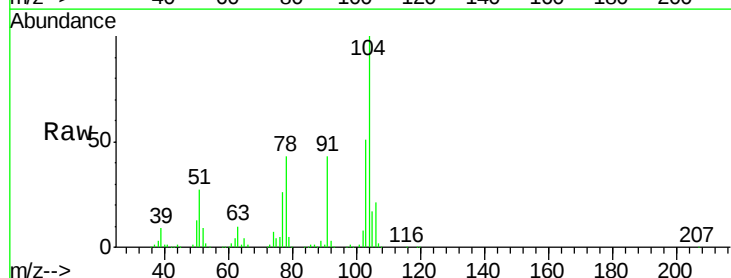
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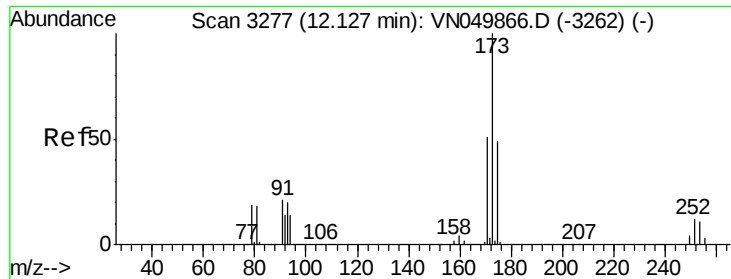
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#70
Styrene
Concen: 20.38 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		373998		
78	49.3	39.2	58.8		
103	55.4	44.6	67.0		





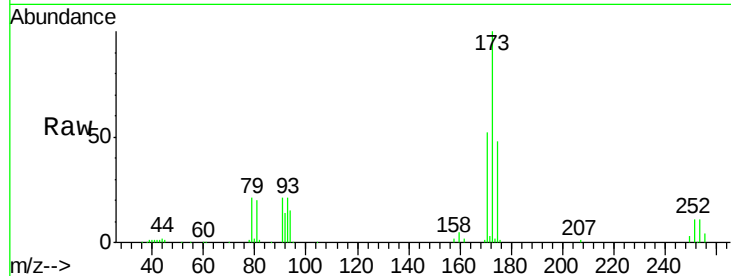
#71
Bromoform
Concen: 19.24 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

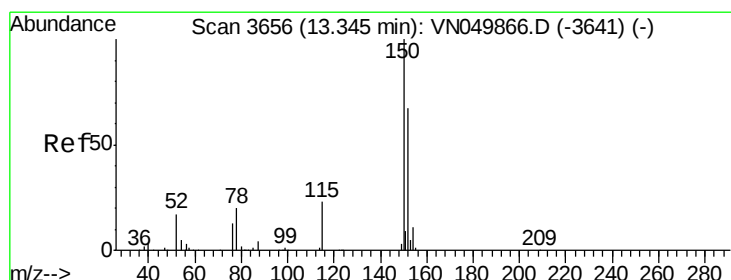
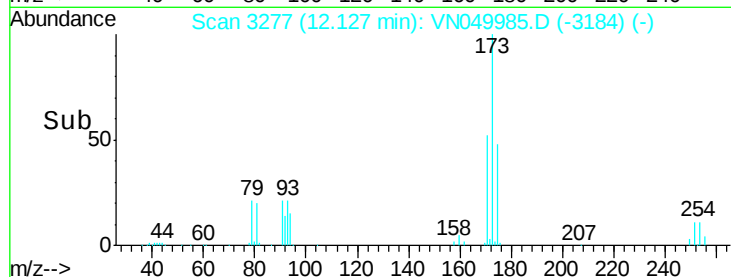
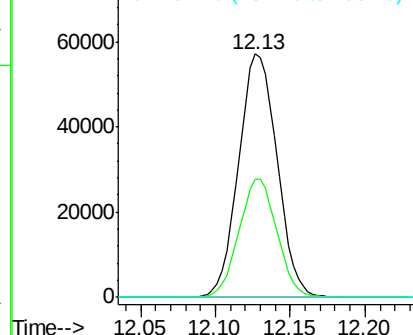
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	73.8
254	0.0	0.2	0.2#

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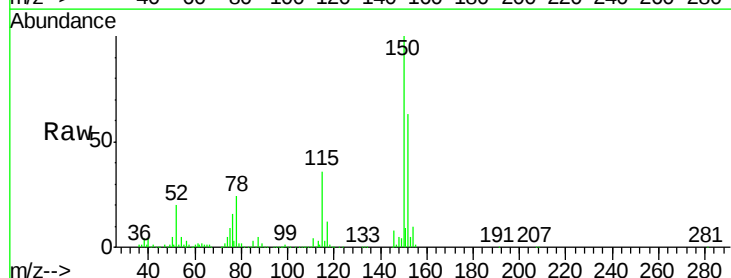


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

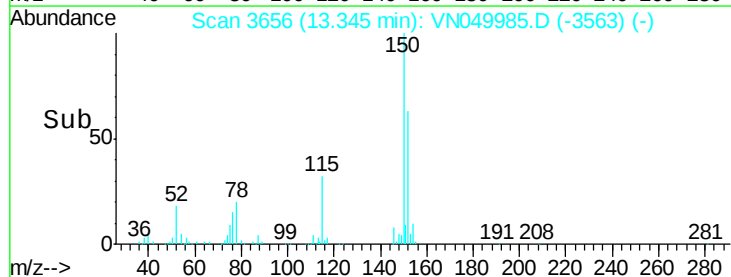
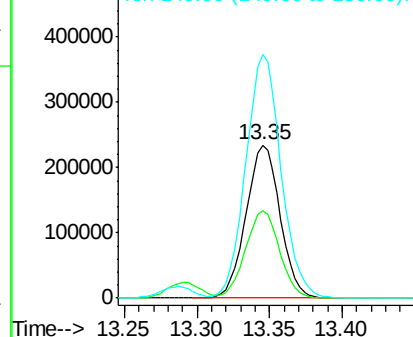


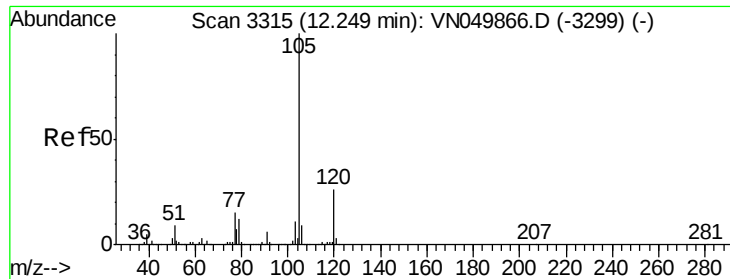
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.1	84.2
150	165.6	0.0	347.6



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





#73

Isopropylbenzene

Concen: 20.84 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

Tot Ion: 105 Resp: 604470

Ion Ratio Lower Upper

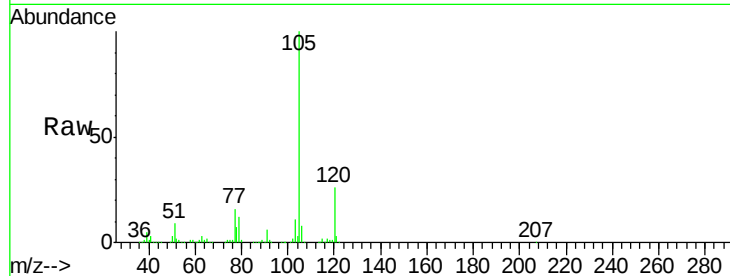
105 100

120 26.5 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

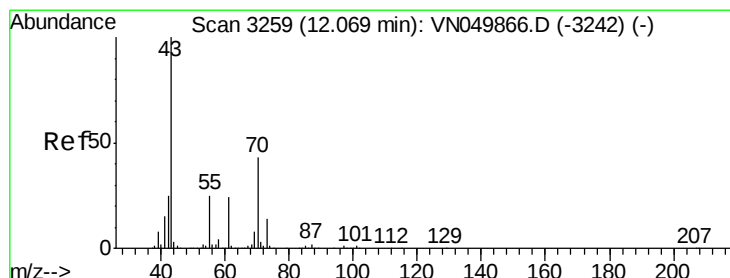
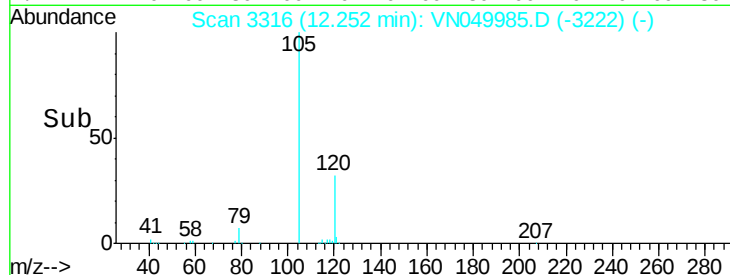
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.45 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Tgt Ion: 43 Resp: 171720

Ion Ratio Lower Upper

43 100

70 42.7 34.8 52.2

55 27.7 20.9 31.3

61 24.1 19.9 29.9

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

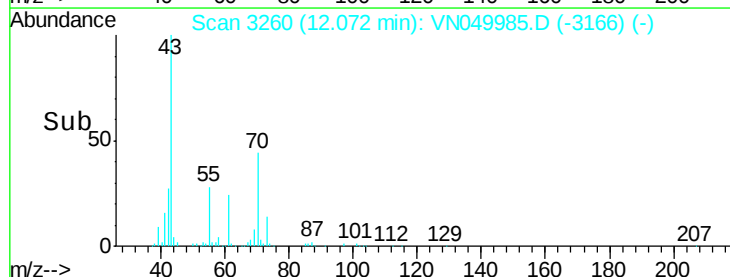
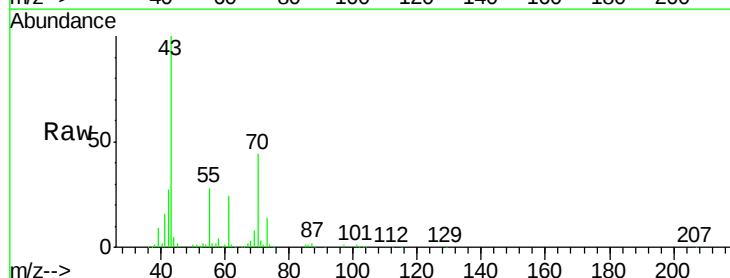
150000

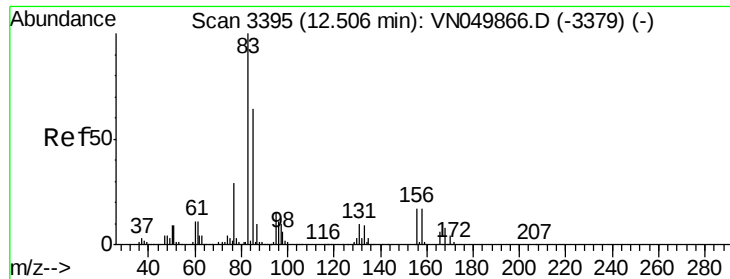
100000

50000

0

Time--> 12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 19.58 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

Tot Ion: 83 Resp: 170112

Ion Ratio Lower Upper

83 100

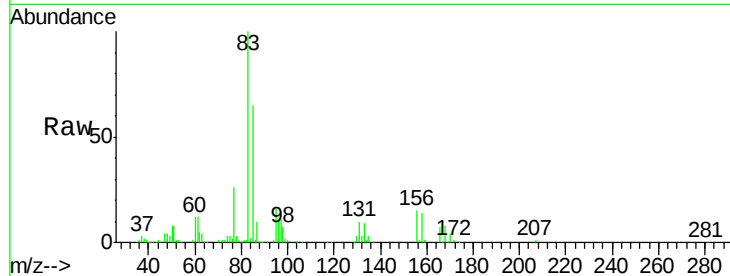
131 10.1 5.2 15.6

85 64.1 32.5 97.4

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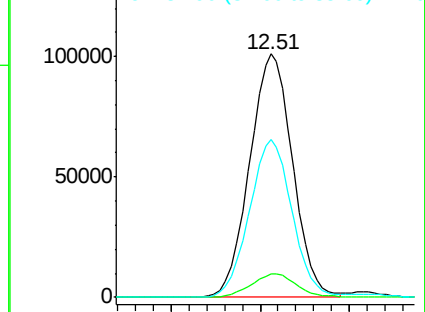
7/23/2018 2:04:27 PM



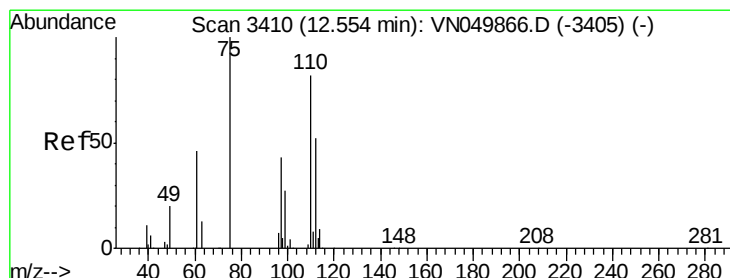
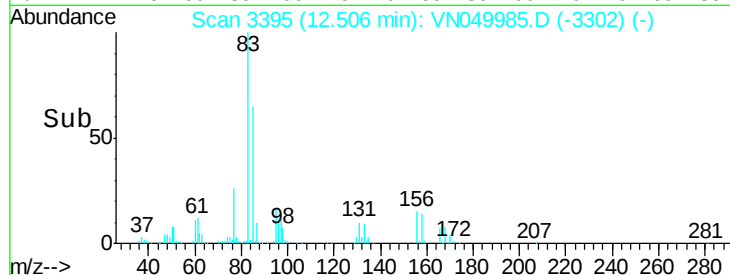
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 18.47 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049985.D

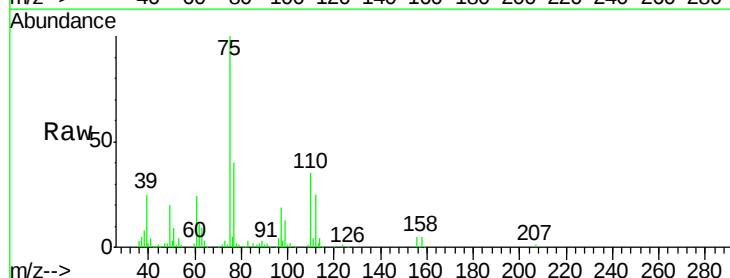
Acq: 21 Jul 2018 3:05

Tgt Ion: 75 Resp: 132319

Ion Ratio Lower Upper

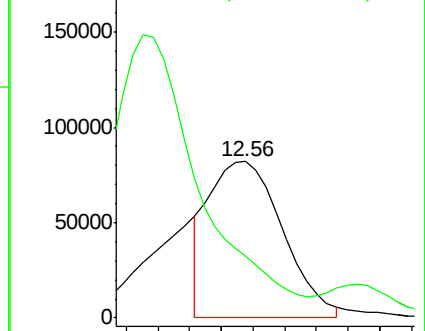
75 100

77 0.0 0.0 0.0

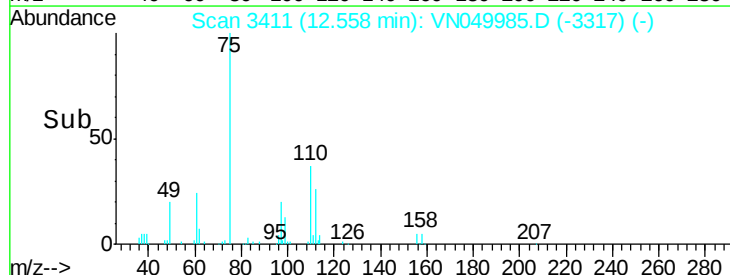


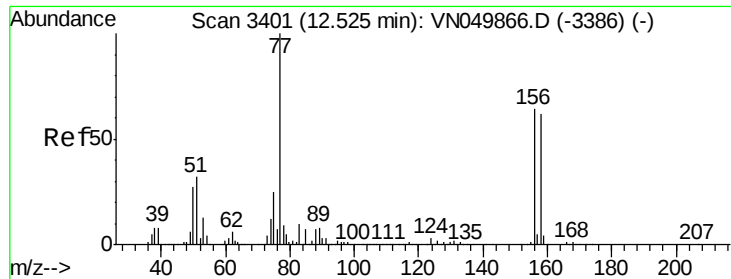
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->





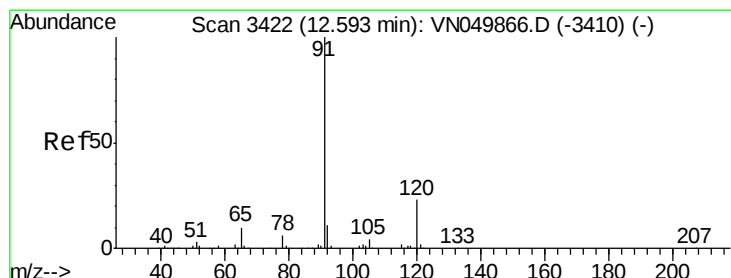
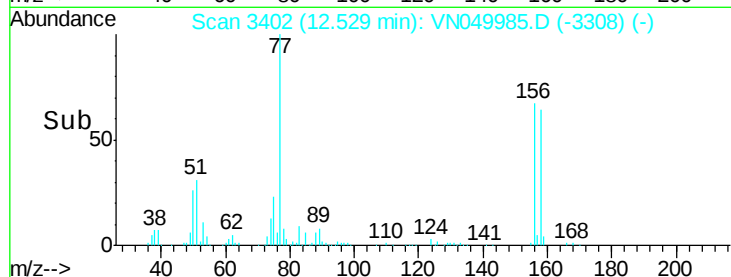
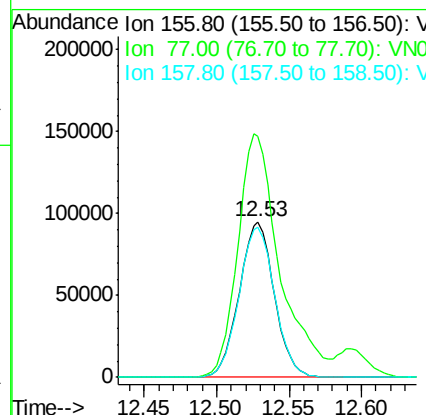
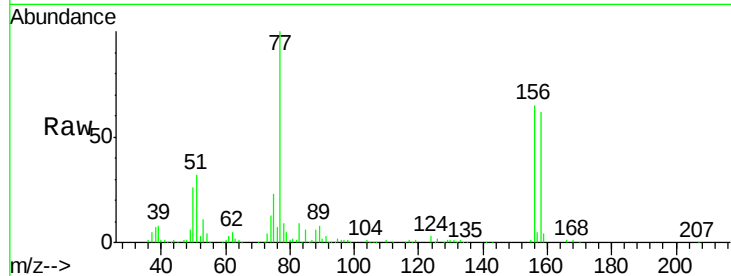
#77
Bromobenzene
Concen: 19.90 ug/l
RT: 12.53 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
156	100	159417		
77	187.1	90.2	270.6	
158	98.5	49.1	147.3	

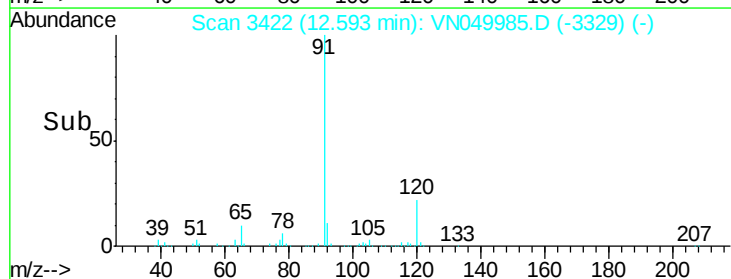
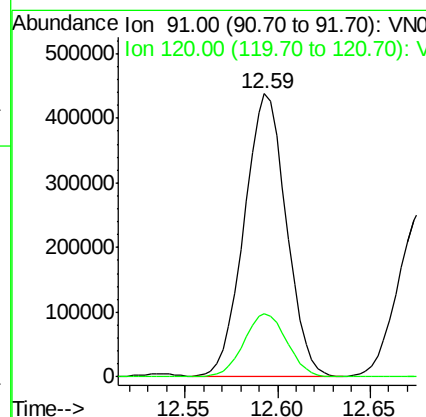
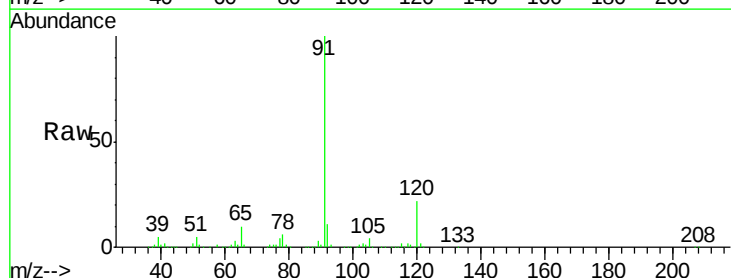
Manual Integrations
APPROVED

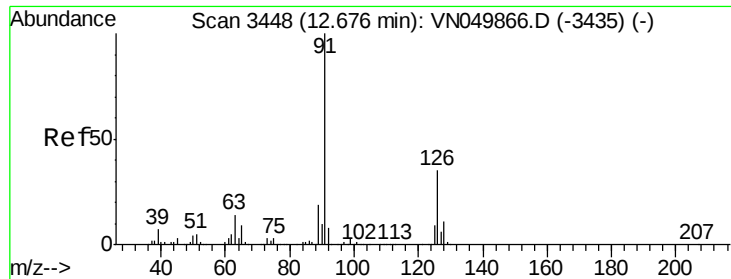
MMDadoda
7/23/2018 2:04:27 PM



#78
n-propylbenzene
Concen: 20.83 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	687036		
120	22.8	11.5	34.4	





#79

2-Chlorotoluene

Concen: 20.99 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

Tot Ion: 91 Resp: 425093

Ion Ratio Lower Upper

91 100

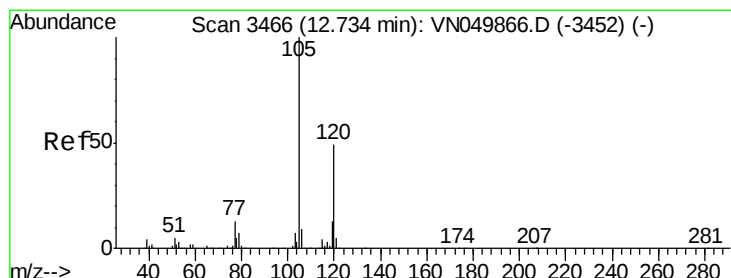
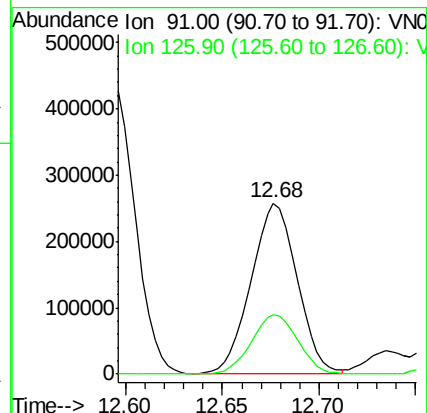
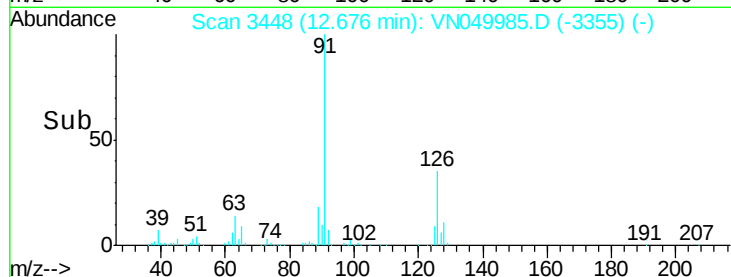
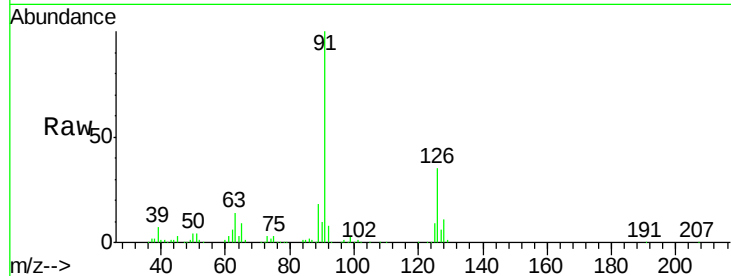
126 35.3 17.5 52.5

Manual Integrations

APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 21.50 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049985.D

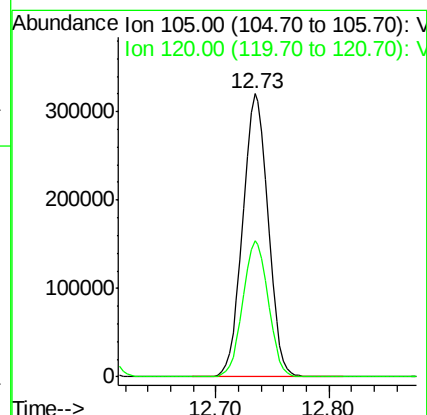
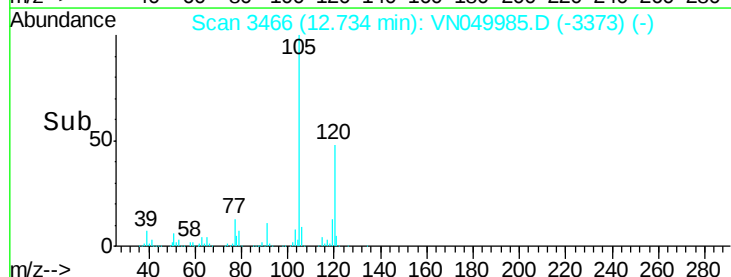
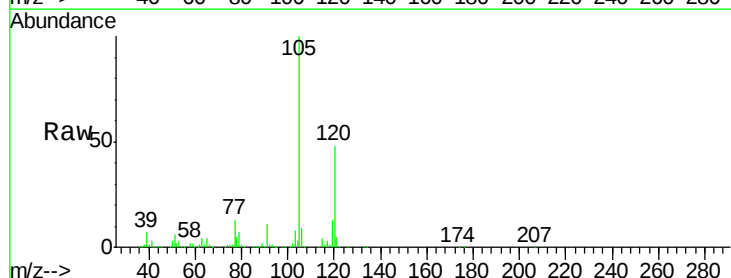
Acq: 21 Jul 2018 3:05

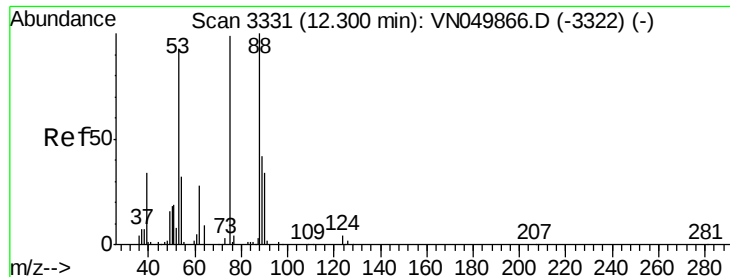
Tgt Ion: 105 Resp: 499725

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.88 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN049985.D

Acq: 21 Jul 2018 3:05

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD02

Tot Ion: 75 Resp: 38678

Ion Ratio Lower Upper

75 100

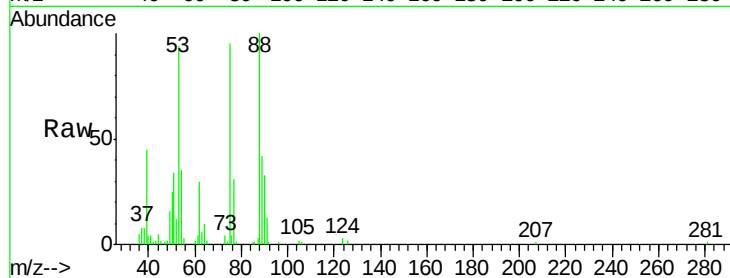
53 97.0 73.9 110.9

89 43.5 35.9 53.9

Manual Integrations
APPROVED

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Abundance Ion 74.90 (74.60 to 75.60): VN049866.D (-3322) (-)

Ion 53.00 (52.70 to 53.70): VN049866.D (-3322) (-)

Ion 88.90 (88.60 to 89.60): VN049866.D (-3322) (-)

150000

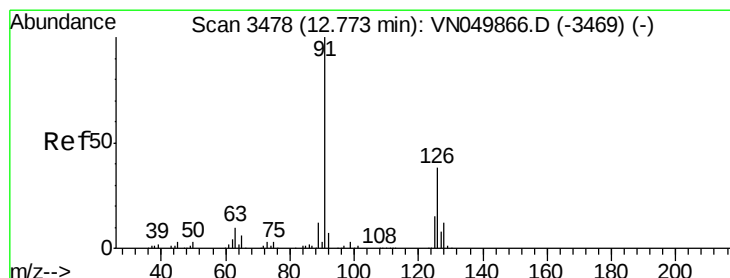
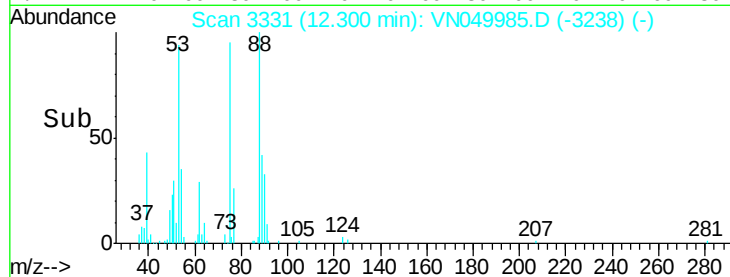
100000

50000

0

12.25 12.30 12.35

Time-->



#82

4-Chlorotoluene

Concen: 20.84 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049985.D

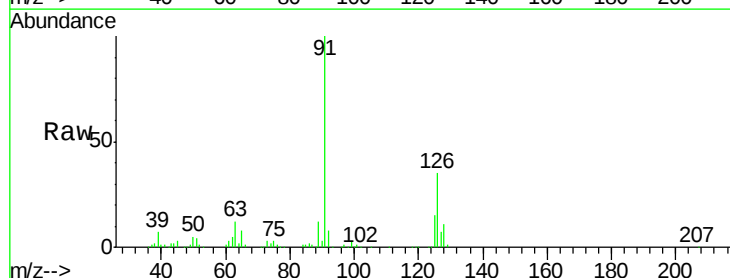
Acq: 21 Jul 2018 3:05

Tgt Ion: 91 Resp: 423363

Ion Ratio Lower Upper

91 100

126 34.9 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3469) (-)

Ion 125.90 (125.60 to 126.60): VN049866.D (-3469) (-)

300000

250000

200000

150000

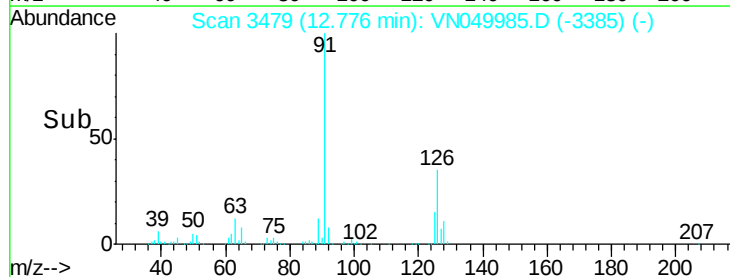
100000

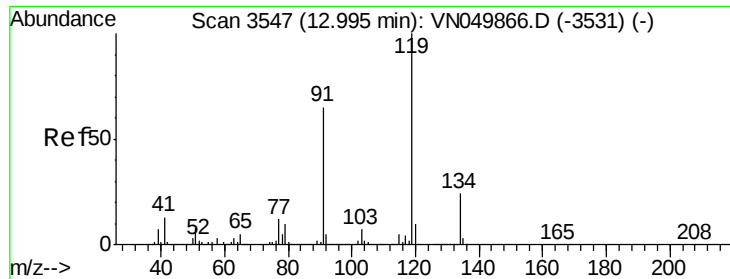
50000

0

12.70 12.75 12.80 12.85

Time-->





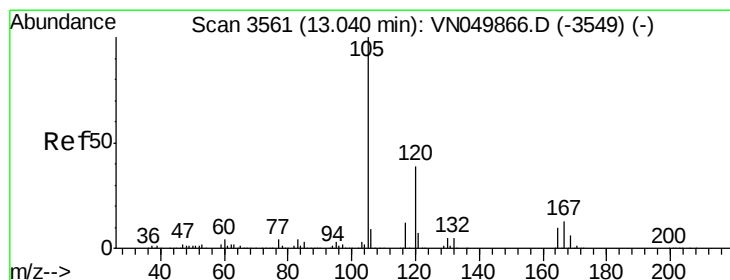
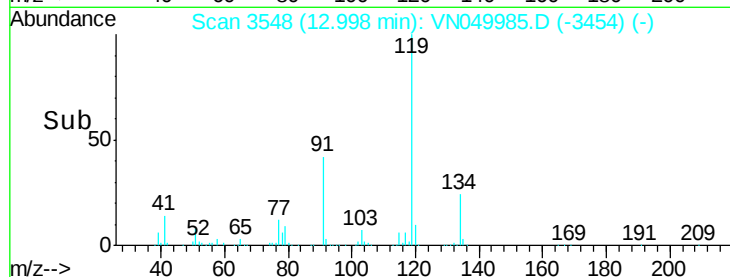
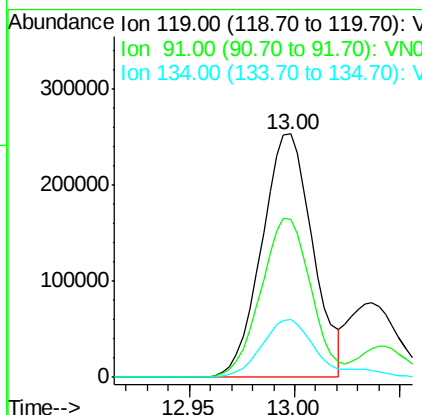
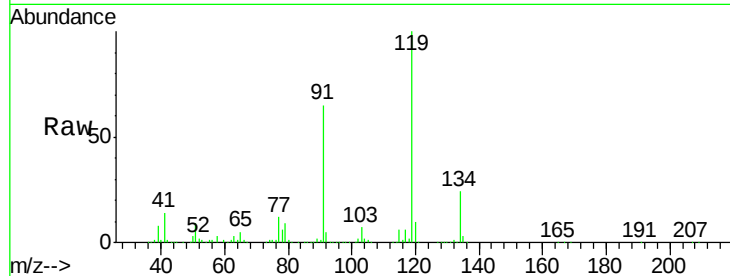
#83
 tert-Butylbenzene
 Concen: 20.87 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.0	96.2
134	26.3	12.8	38.4

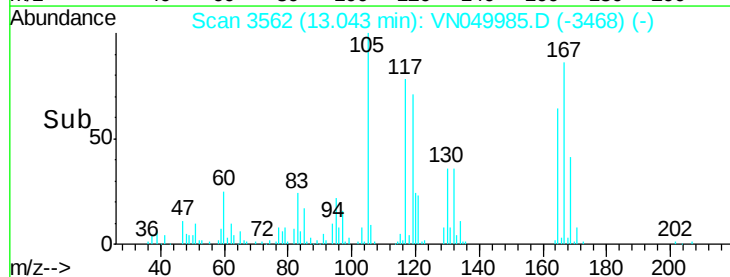
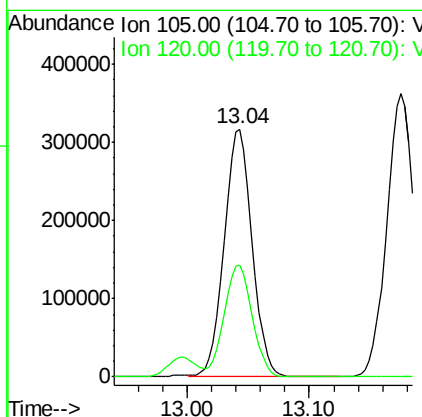
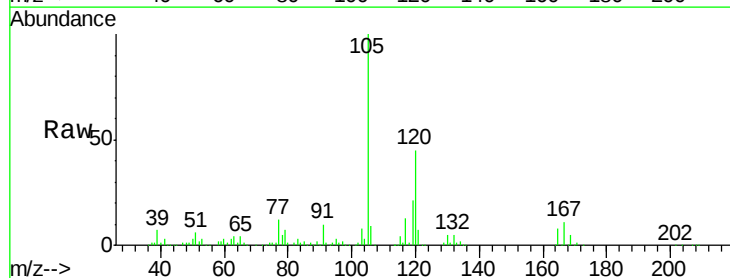
Manual Integrations
 APPROVED

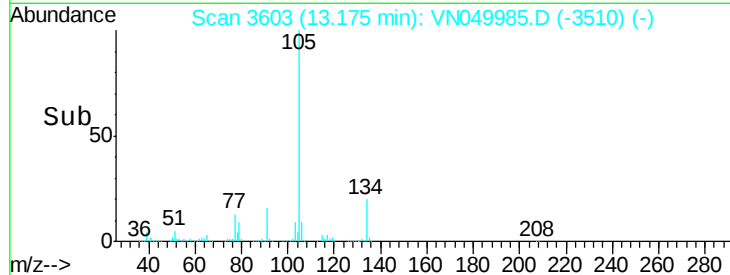
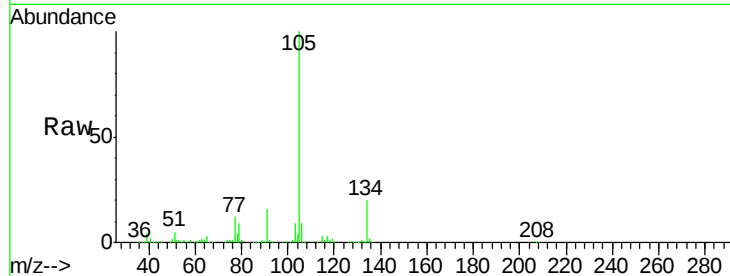
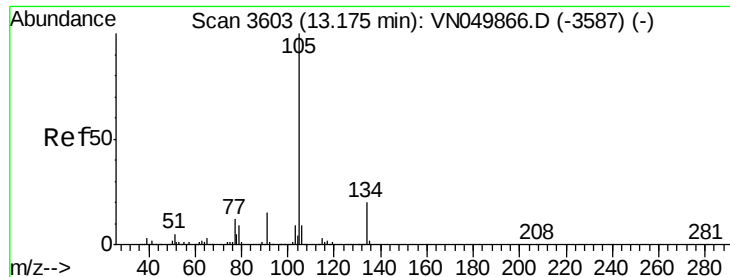
MMDadoda
 7/23/2018 2:04:27 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.55 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.7	68.1





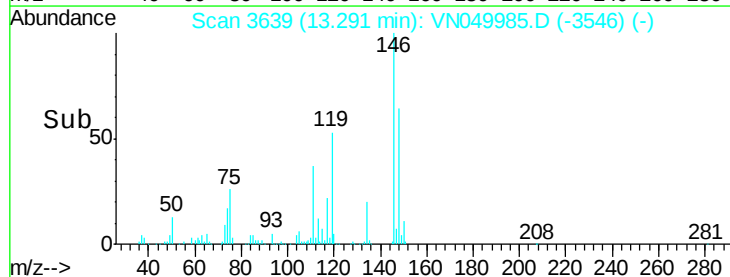
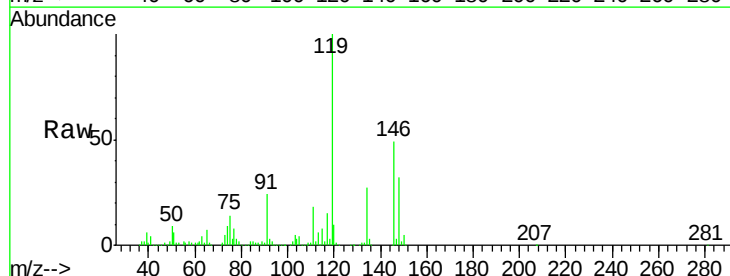
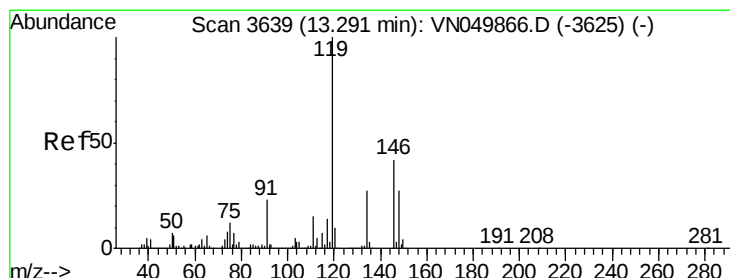
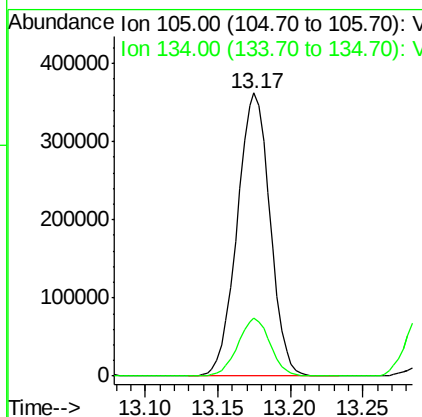
#85
 sec-Butylbenzene
 Concen: 21.05 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

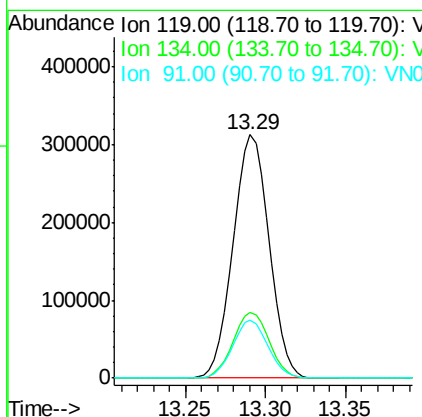
Manual Integrations
 APPROVED

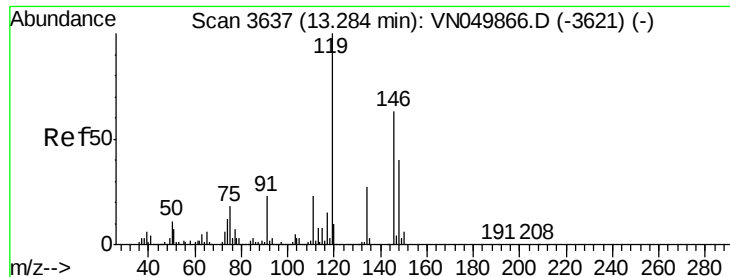
MMDadoda
 7/23/2018 2:04:27 PM



#86
 p-Isopropyltoluene
 Concen: 20.70 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.3	39.9
91	23.3	11.4	34.1





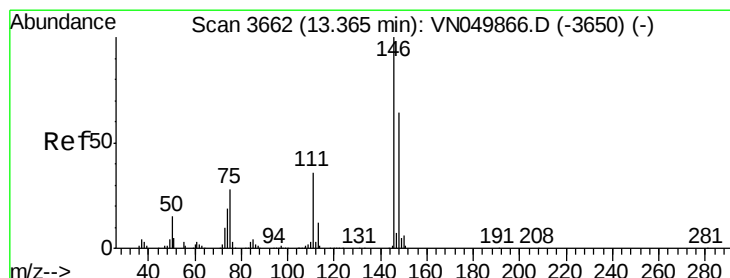
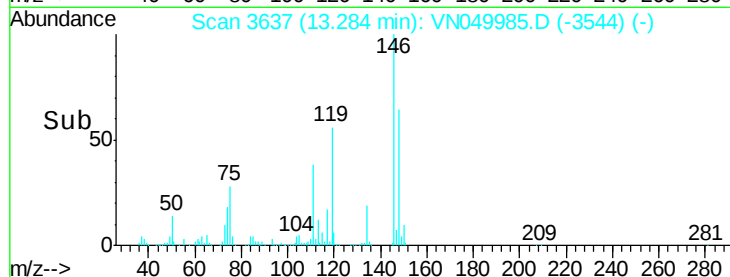
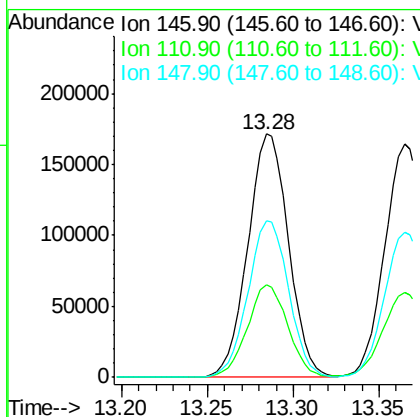
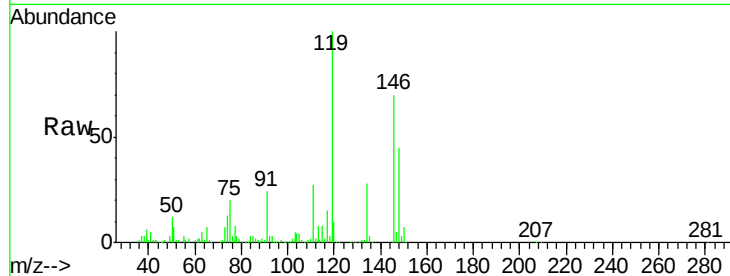
#87
 1,3-Dichlorobenzene
 Concen: 20.15 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	281180		
111	37.9	19.0	57.0	
148	64.3	32.5	97.5	

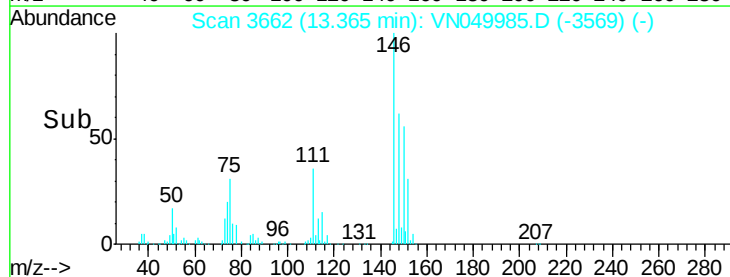
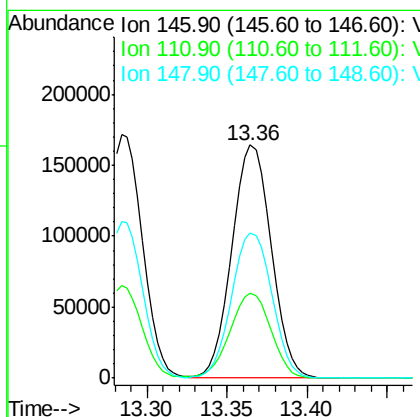
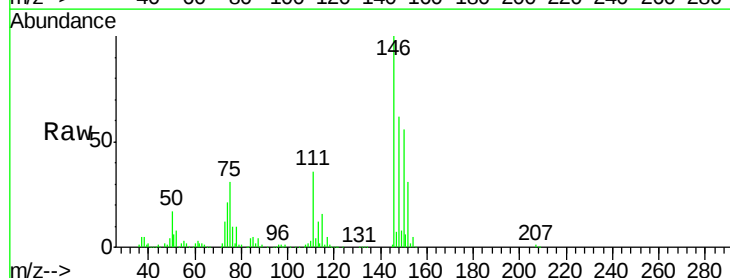
Manual Integrations
 APPROVED

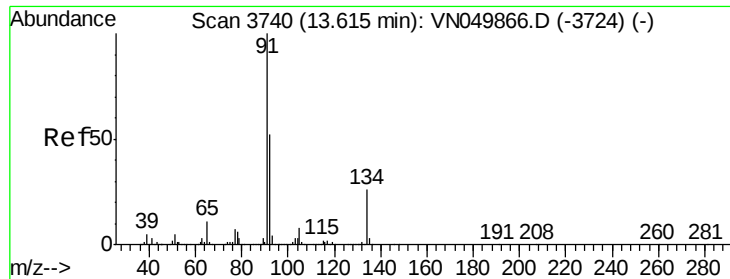
MMDadoda
 7/23/2018 2:04:27 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.70 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	275680		
111	38.0	18.9	56.5	
148	63.8	32.1	96.3	





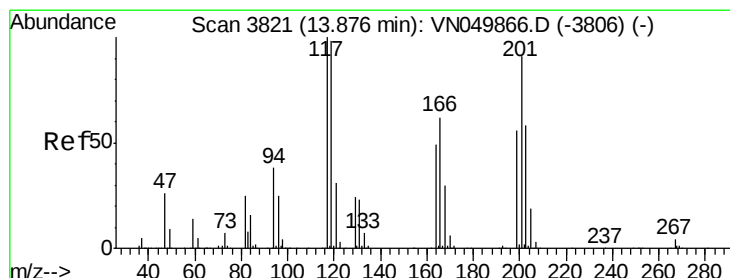
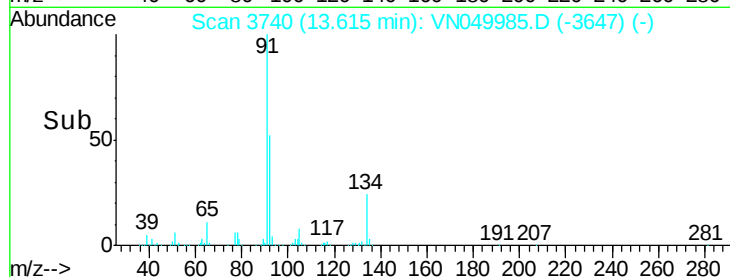
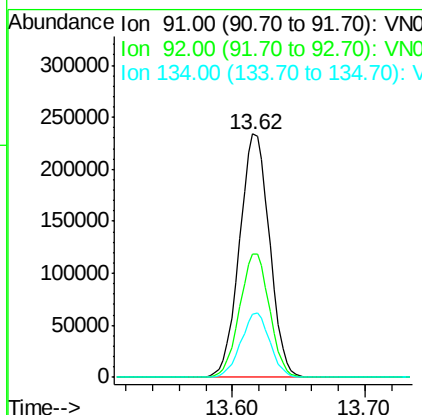
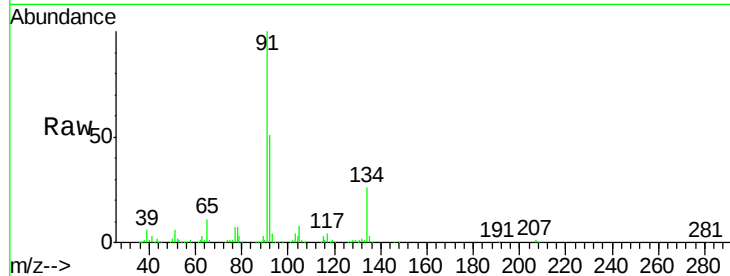
#89
n-Butylbenzene
Concen: 19.36 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.8	77.3
134	25.5	13.0	38.9

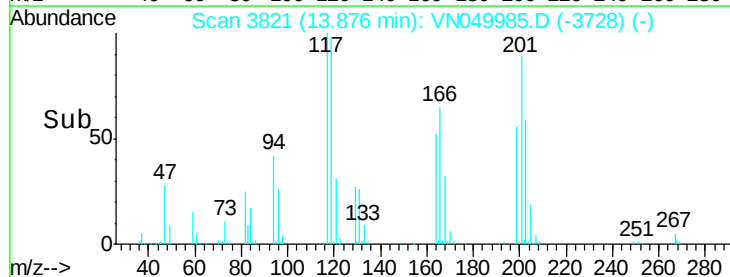
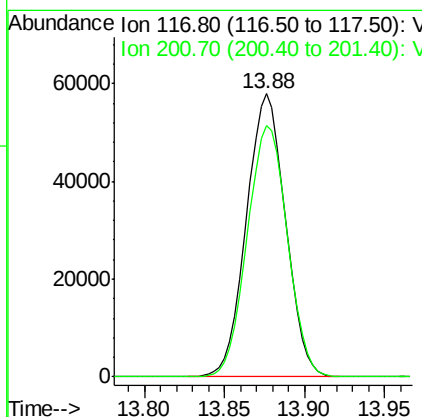
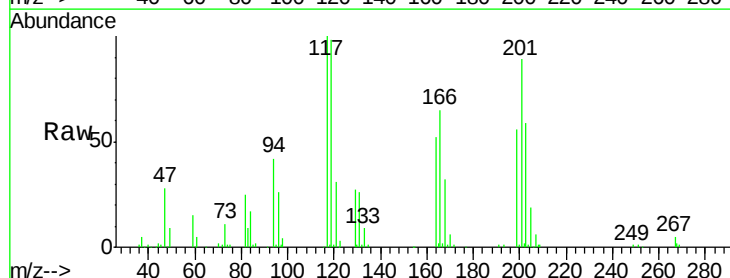
Manual Integrations
APPROVED

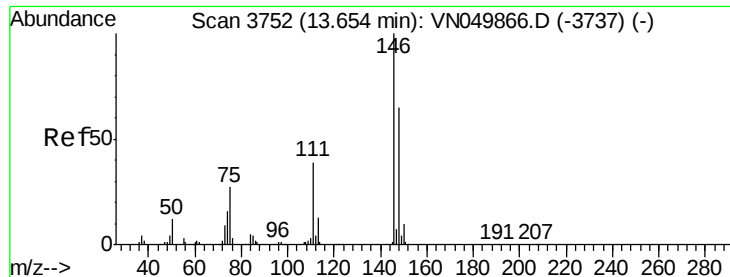
MMDadoda
7/23/2018 2:04:27 PM



#90
Hexachloroethane
Concen: 18.71 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.4	45.3	135.8





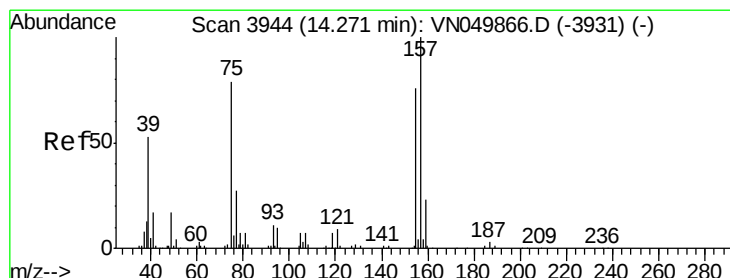
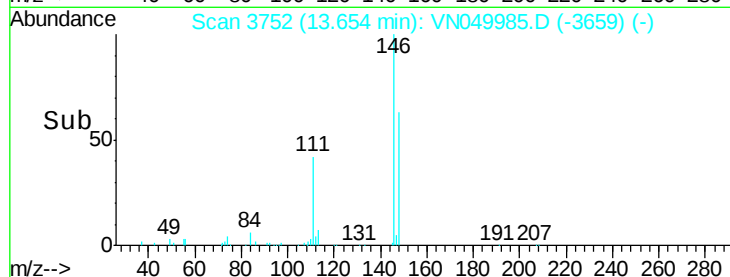
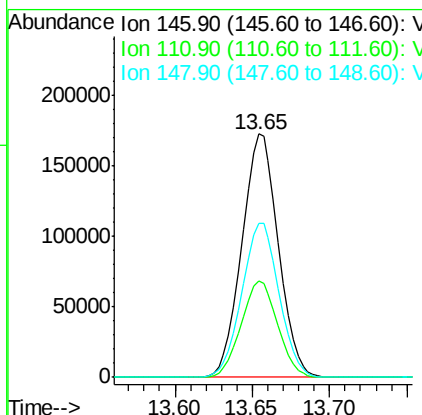
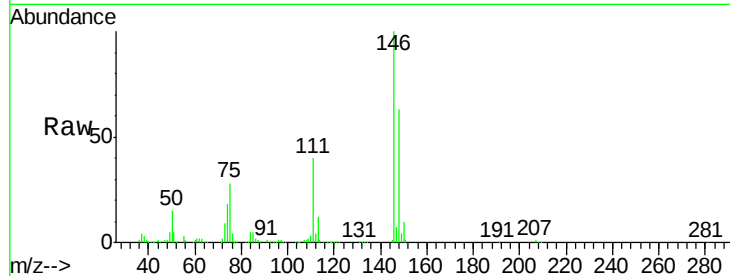
#91
 1,2-Dichlorobenzene
 Concen: 20.56 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	64.6	32.0	96.2

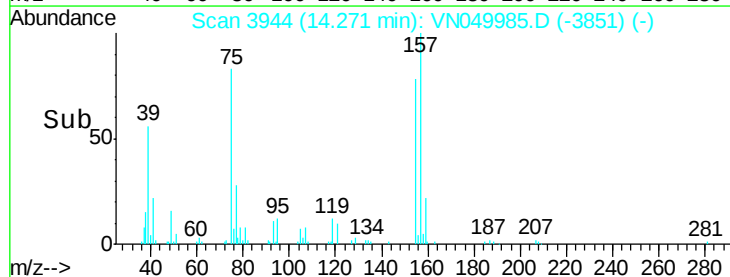
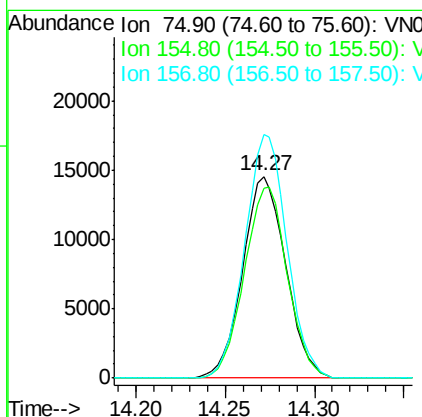
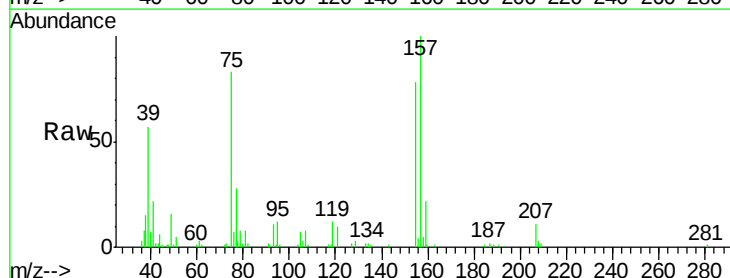
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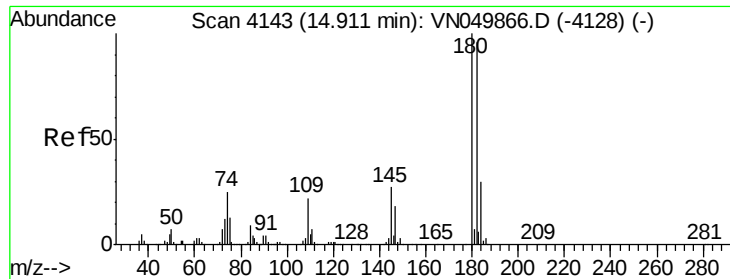
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.27 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	45.7	137.1
157	118.3	56.9	170.7





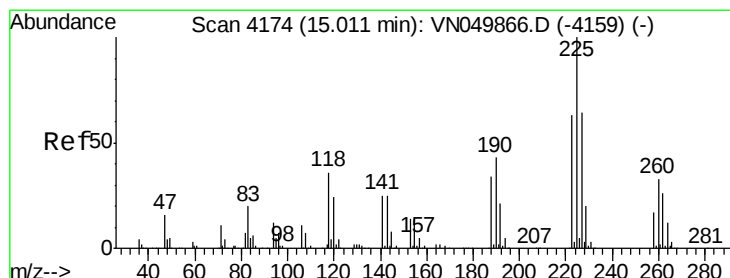
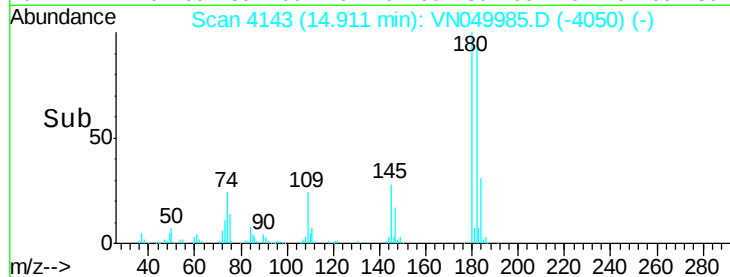
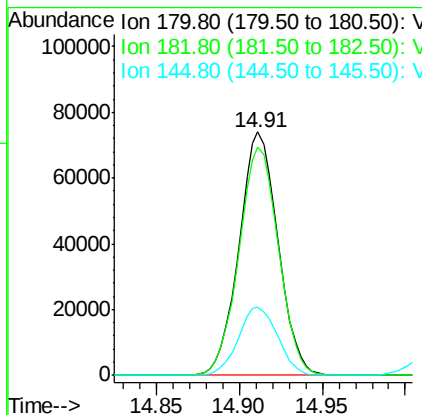
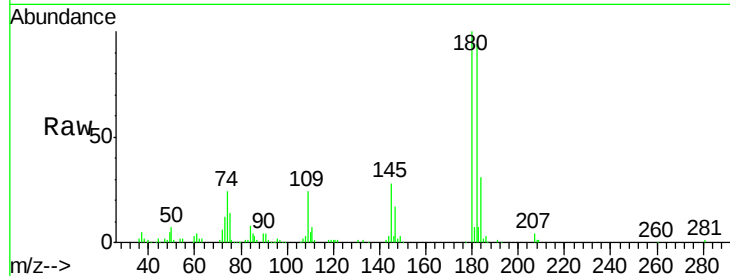
#93
 1,2,4-Trichlorobenzene
 Concen: 18.27 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	120263		
182	95.6	47.3	141.9	
145	28.3	14.4	43.0	

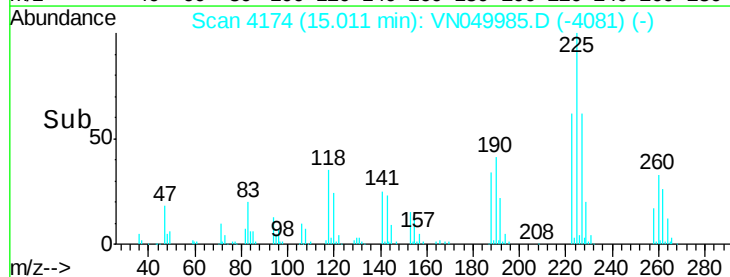
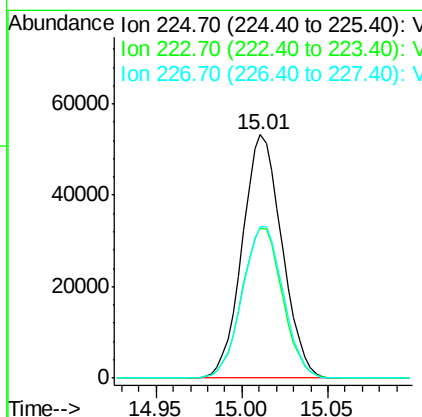
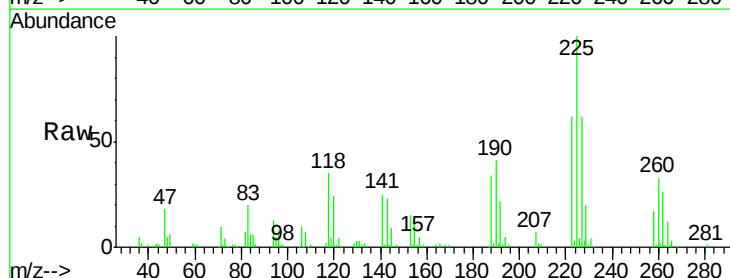
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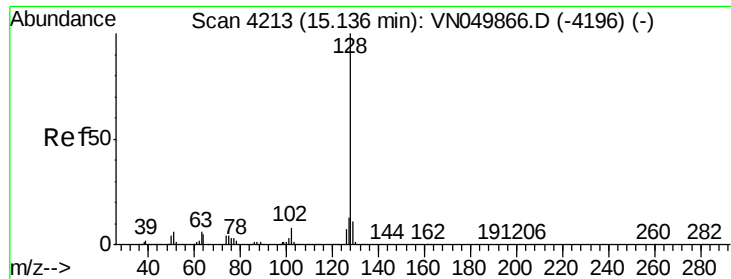
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#94
 Hexachlorobutadiene
 Concen: 19.00 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN049985.D
 Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85426		
223	63.0	30.9	92.7	
227	64.1	31.8	95.4	





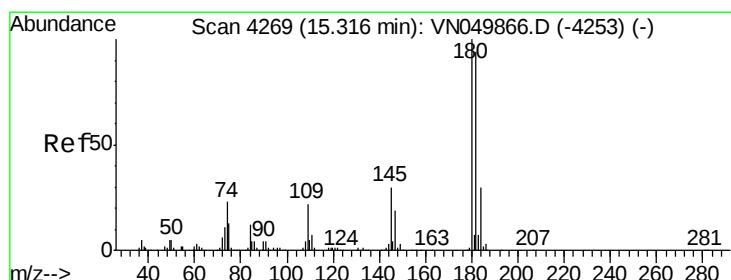
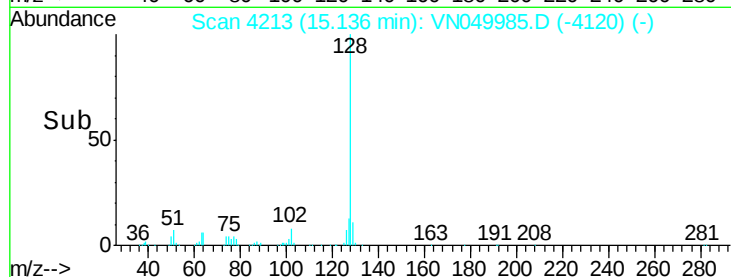
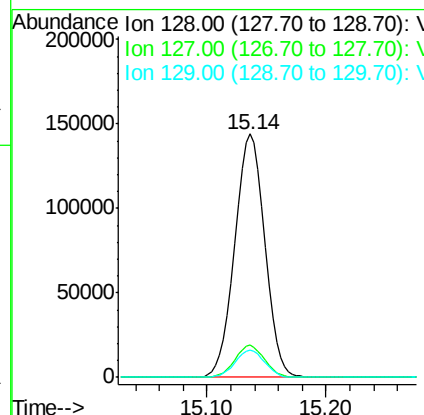
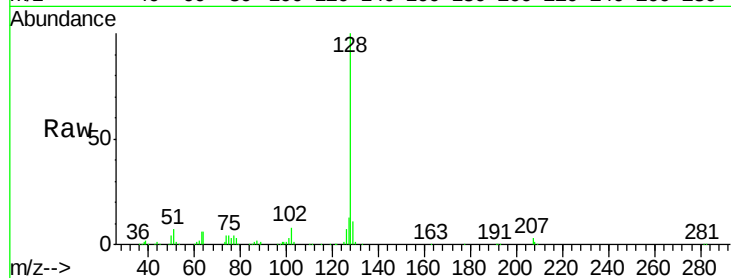
#95
Naphthalene
Concen: 17.17 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	252013		
127	13.0		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.63 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN049985.D
Acq: 21 Jul 2018 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	129207		
182	93.6		47.4	142.2
145	30.0		15.2	45.6

