

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049958.D
 Acq On : 20 Jul 2018 13:19
 Operator : MD\SY
 Sample : VN0720WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 2:04:00 PM

Quant Time: Jul 21 00:03:48 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	567519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	834286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	750310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	395629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	406760	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
35) Dibromofluoromethane	7.59	113	362303	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
50) Toluene-d8	10.09	98	1327161	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.40	95	434902	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	100391	18.50	ug/l	97
3) Chloromethane	2.06	50	130527	16.85	ug/l	99
4) Vinyl Chloride	2.18	62	145995	17.67	ug/l	96
5) Bromomethane	2.57	94	89324	18.12	ug/l	100
6) Chloroethane	2.70	64	95283	17.66	ug/l	99
7) Trichlorofluoromethane	3.01	101	206258	18.16	ug/l	98
8) Diethyl Ether	3.41	74	73874	18.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	130449	18.63	ug/l	98
10) Methyl Iodide	3.95	142	130602	13.90	ug/l	98
11) Tert butyl alcohol	4.81	59	47702	85.84	ug/l	98
12) 1,1-Dichloroethene	3.73	96	113973	18.52	ug/l	98
13) Acrolein	3.60	56	23653	66.05	ug/l	96
14) Allyl chloride	4.32	41	179664	18.52	ug/l	97
15) Acrylonitrile	5.00	53	227558	93.11	ug/l	99
16) Acetone	3.82	43	187619	92.90	ug/l	100
17) Carbon Disulfide	4.05	76	291475	15.83	ug/l	99
18) Methyl Acetate	4.33	43	133646	20.57	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	329409	19.46	ug/l	98
20) Methylene Chloride	4.55	84	141061	18.37	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	120417	18.43	ug/l	99
22) Diisopropyl ether	5.95	45	405320	20.48	ug/l	96
23) Vinyl Acetate	5.90	43	1331842	95.90	ug/l	100
24) 1,1-Dichloroethane	5.85	63	246434	19.40	ug/l	100
25) 2-Butanone	6.84	43	272630	94.46	ug/l	100
26) 2,2-Dichloropropane	6.83	77	207199	20.96	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	141128	19.69	ug/l	99
28) Bromochloromethane	7.19	49	121834	21.23	ug/l	99
29) Tetrahydrofuran	7.22	42	167707	92.24	ug/l	100
30) Chloroform	7.37	83	255969	19.62	ug/l	100
31) Cyclohexane	7.65	56	189895	18.36	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	214025	18.98	ug/l	99
36) 1,1-Dichloropropene	7.79	75	177018	19.08	ug/l	99
37) Ethyl Acetate	6.93	43	118470	18.60	ug/l	99
38) Carbon Tetrachloride	7.77	117	187992	18.92	ug/l	98

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Manual Integrations
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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	174688	18.23	ug/l	95
40) Benzene	8.04	78	554473	19.61	ug/l	99
41) Methacrylonitrile	7.18	41	56380	17.66	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	183022	19.54	ug/l	100
43) Isopropyl Acetate	8.17	43	230370	20.70	ug/l #	89
44) Trichloroethene	8.84	130	143704	19.38	ug/l	98
45) 1,2-Dichloropropane	9.12	63	148864	19.52	ug/l	99
46) Dibromomethane	9.21	93	90020	19.03	ug/l	99
47) Bromodichloromethane	9.40	83	192187	19.65	ug/l	96
48) Methyl methacrylate	9.20	41	102724	18.40	ug/l	98
49) 1,4-Dioxane	9.20	88	28980	365.95	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	596842	95.94	ug/l	99
52) Toluene	10.16	92	338359	20.06	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	188710	19.51	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	215057	20.12	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	131532	18.88	ug/l	98
56) Ethyl methacrylate	10.43	69	151024	17.60	ug/l	97
57) 1,3-Dichloropropane	10.71	76	214411	19.54	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	382311	93.29	ug/l	100
59) 2-Hexanone	10.75	43	400501	95.85	ug/l	98
60) Dibromochloromethane	10.90	129	146418	19.16	ug/l	98
61) 1,2-Dibromoethane	11.01	107	126692	19.46	ug/l	99
64) Tetrachloroethene	10.63	164	137522	20.40	ug/l	98
65) Chlorobenzene	11.43	112	375171	19.90	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	144204	19.75	ug/l	100
67) Ethyl Benzene	11.51	91	610563	19.96	ug/l	99
68) m/p-Xylenes	11.62	106	476973	41.20	ug/l	100
69) o-Xylene	11.95	106	224766	20.21	ug/l	100
70) Styrene	11.97	104	370998	20.60	ug/l	99
71) Bromoform	12.13	173	101378	19.41	ug/l #	99
73) Isopropylbenzene	12.25	105	610436	20.31	ug/l	100
74) N-amyl acetate	12.07	43	166917	18.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	167852	18.64	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	140201m	18.89	ug/l	
77) Bromobenzene	12.53	156	165197	19.91	ug/l	99
78) n-propylbenzene	12.59	91	707604	20.71	ug/l	100
79) 2-Chlorotoluene	12.68	91	432807	20.63	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	507252	21.06	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	43244	18.22	ug/l	95
82) 4-Chlorotoluene	12.77	91	435219	20.68	ug/l	100
83) tert-Butylbenzene	12.99	119	435357	20.58	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	515640	21.13	ug/l	100
85) sec-Butylbenzene	13.17	105	589933	21.10	ug/l	100
86) p-Isopropyltoluene	13.29	119	503911	21.15	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	288000	19.92	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	277881	19.17	ug/l	99
89) n-Butylbenzene	13.62	91	397158	20.18	ug/l	99
90) Hexachloroethane	13.88	117	99471	18.60	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	282614	19.88	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24821	17.84	ug/l	98

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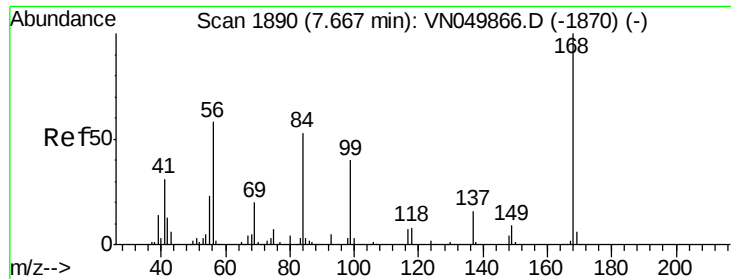
Manual Integrations
APPROVED

MMDadoda
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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)
93) 1,2,4-Trichlorobenzene	14.91	180	124033	18.20	ug/l	97
94) Hexachlorobutadiene	15.01	225	90612	19.45	ug/l	98
95) Naphthalene	15.14	128	245395	16.41	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	128563	18.85	ug/l	98

(#) = 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: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

Tot Ion:168 Resp: 567519

Ion Ratio Lower Upper

168 100

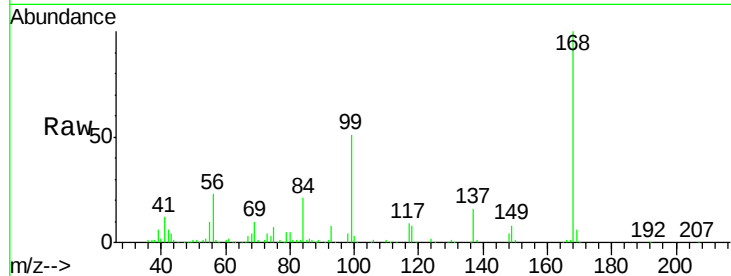
99 50.9 40.6 61.0

Manual Integrations

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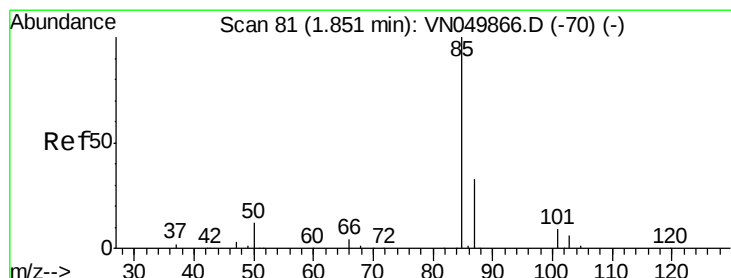
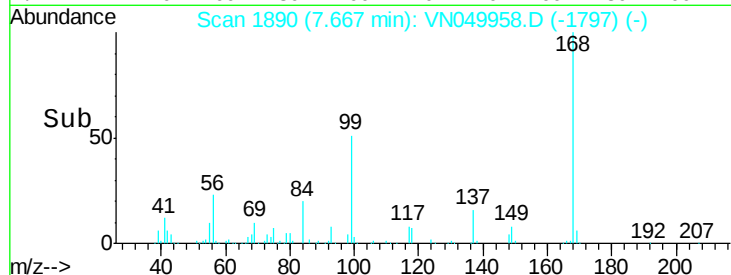
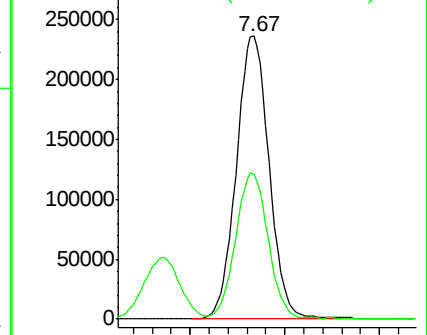
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7/23/2018 2:04:00 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.50 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049958.D

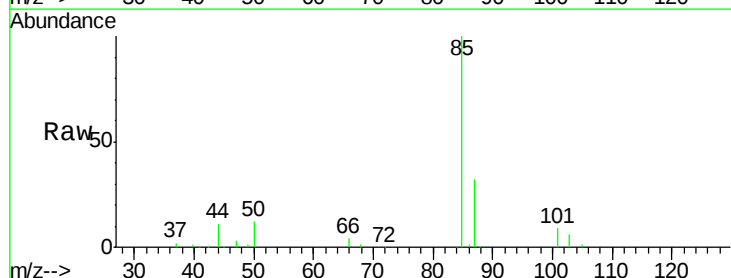
Acq: 20 Jul 2018 13:19

Tgt Ion: 85 Resp: 100391

Ion Ratio Lower Upper

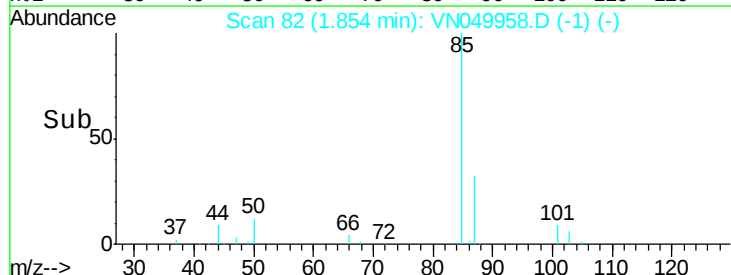
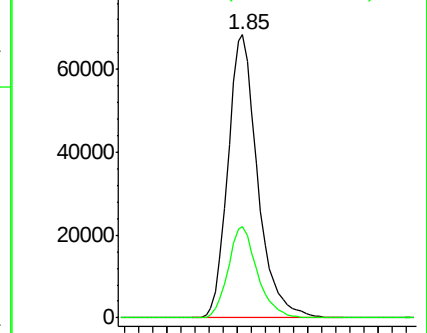
85 100

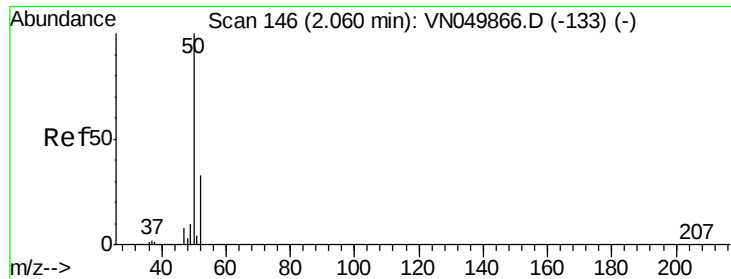
87 32.3 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 16.85 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS01

Tot Ion: 50 Resp: 130527

Ion Ratio Lower Upper

50 100

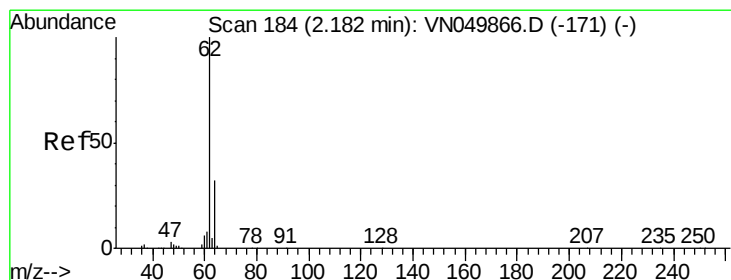
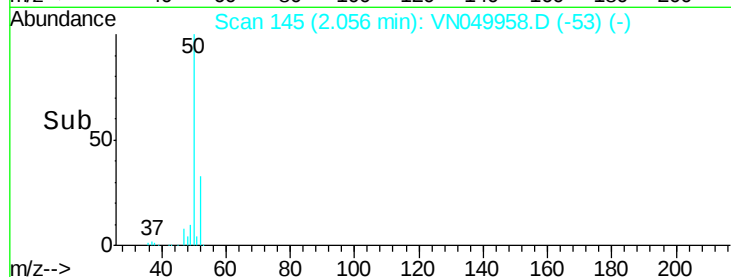
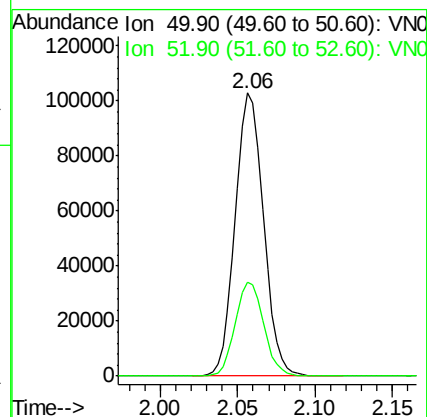
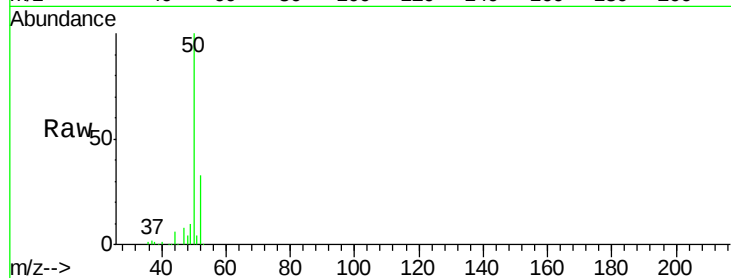
52 33.3 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.67 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049958.D

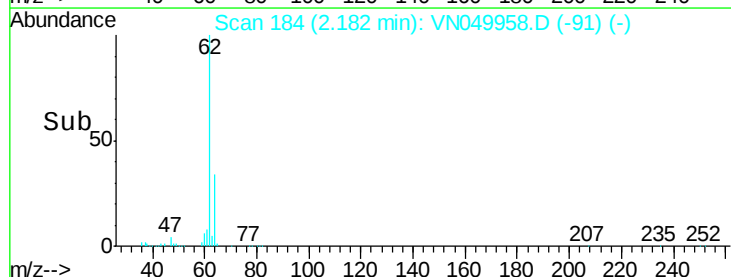
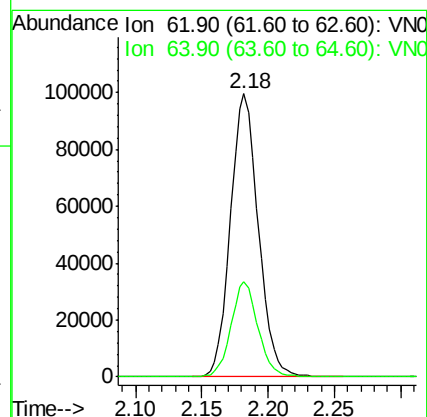
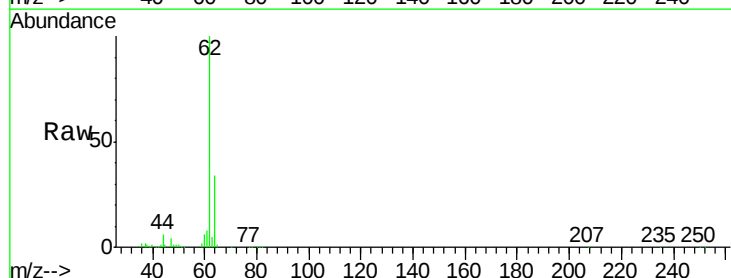
Acq: 20 Jul 2018 13:19

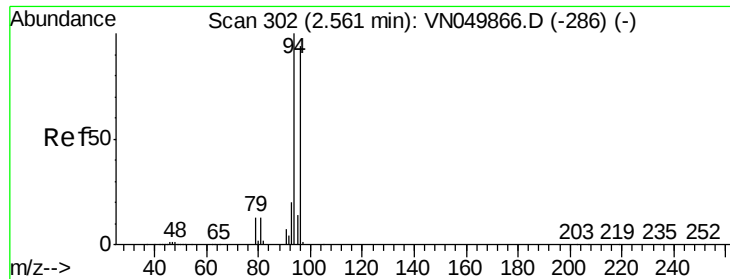
Tgt Ion: 62 Resp: 145995

Ion Ratio Lower Upper

62 100

64 33.8 25.4 38.0





#5

Bromomethane

Concen: 18.12 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

Tot Ion: 94 Resp: 89324

Ion Ratio Lower Upper

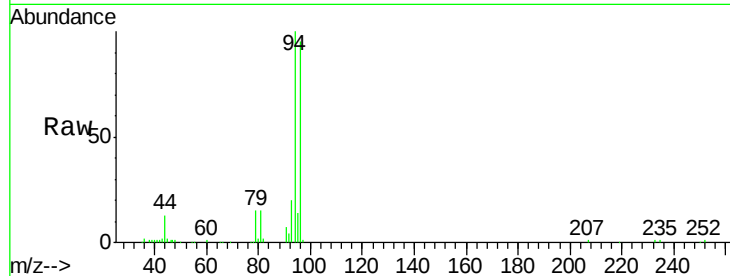
94 100

96 95.1 75.7 113.5

Manual Integrations
APPROVED

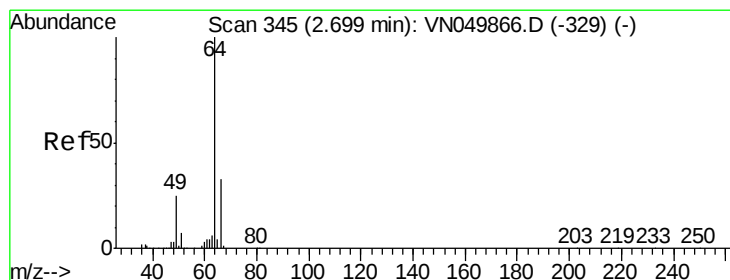
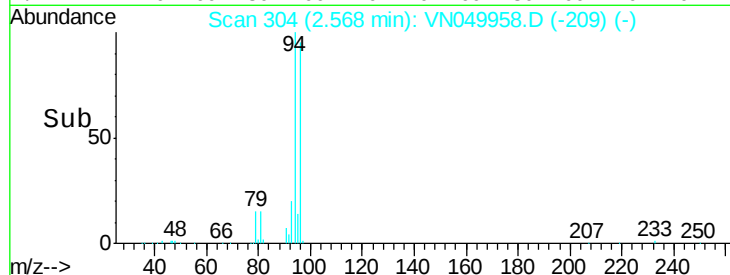
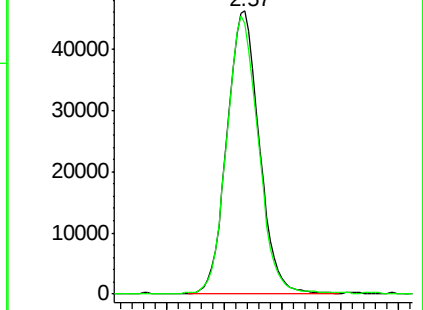
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Abundance Ion 93.90 (93.60 to 94.60): VN049958.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN049958.D (-209) (-)



#6

Chloroethane

Concen: 17.66 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN049958.D

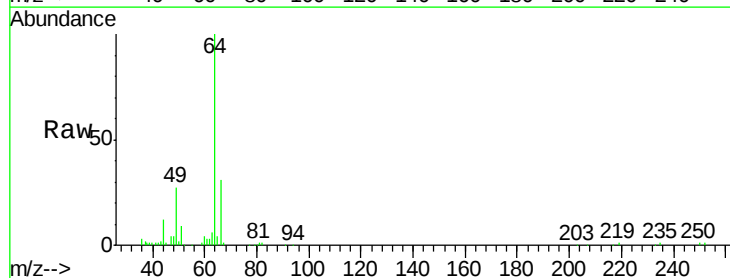
Acq: 20 Jul 2018 13:19

Tgt Ion: 64 Resp: 95283

Ion Ratio Lower Upper

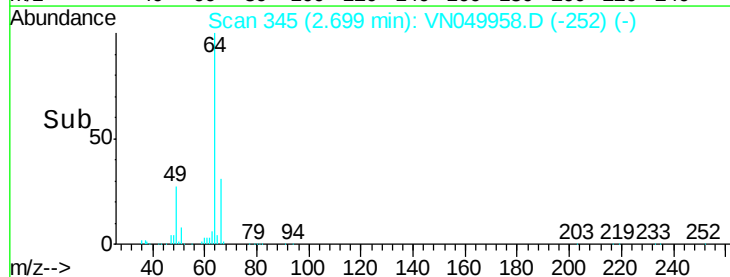
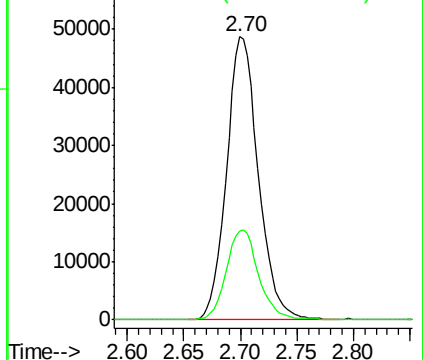
64 100

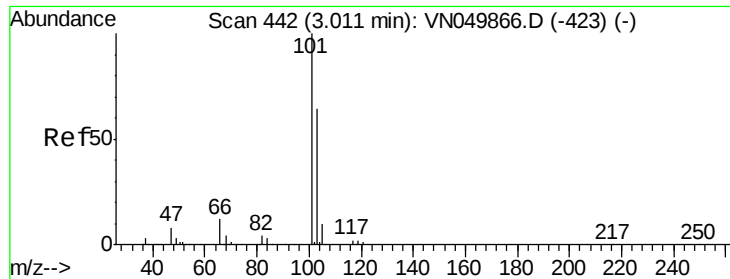
66 31.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049958.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN049958.D (-252) (-)





#7

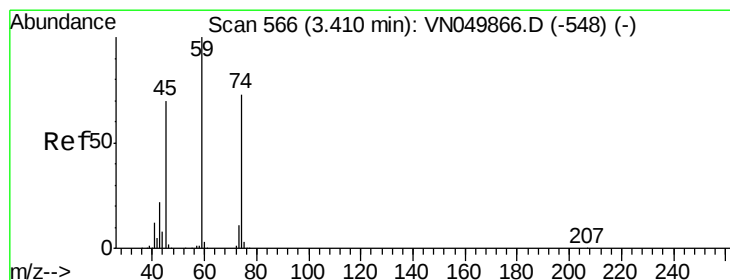
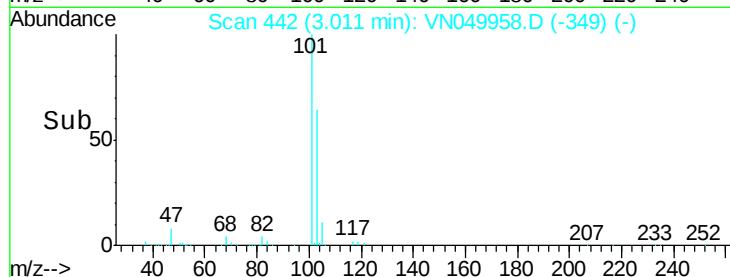
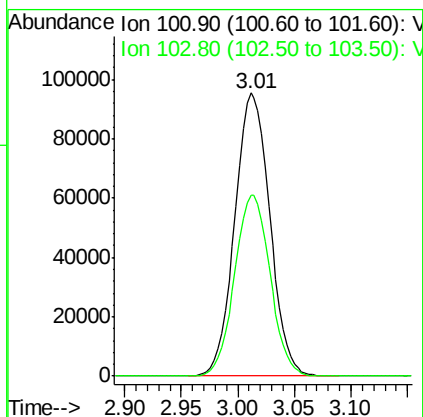
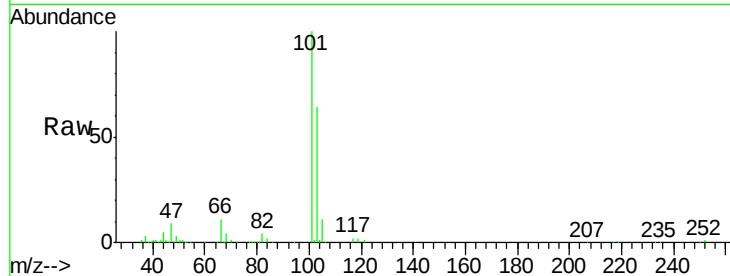
Trichlorofluoromethane
Concen: 18.16 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.8	79.2

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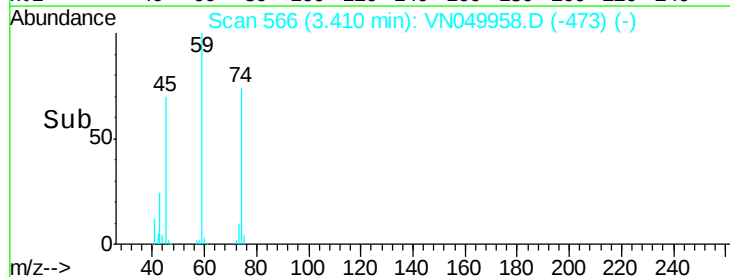
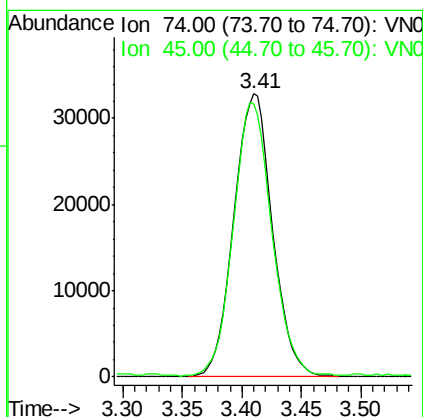
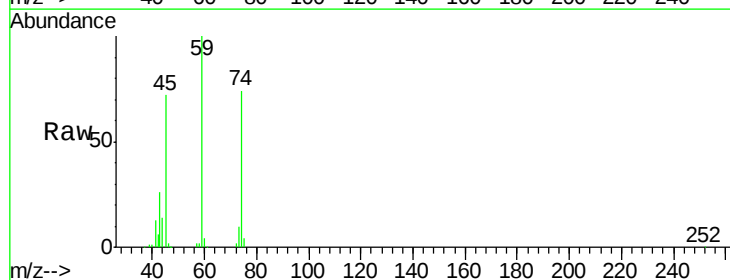
MMDadoda
7/23/2018 2:04:00 PM

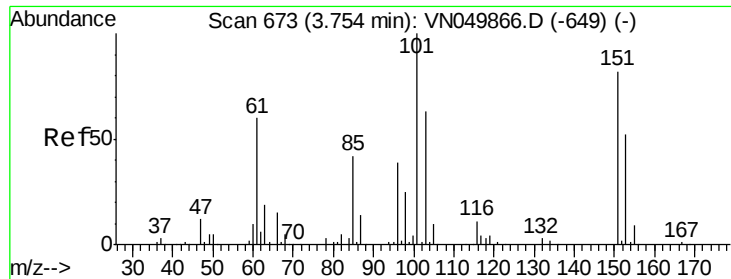


#8

Diethyl Ether
Concen: 18.64 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.63 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

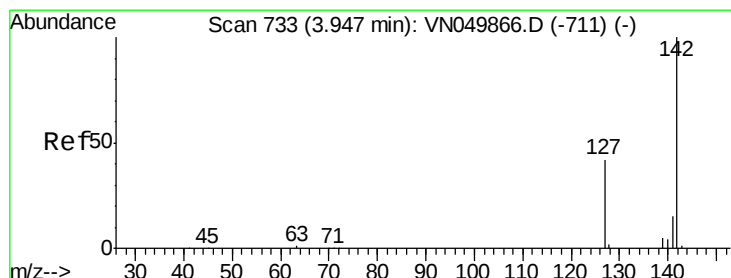
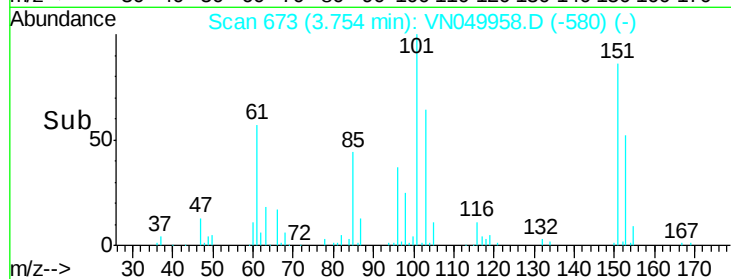
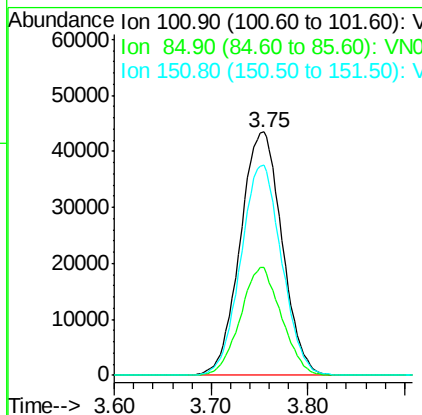
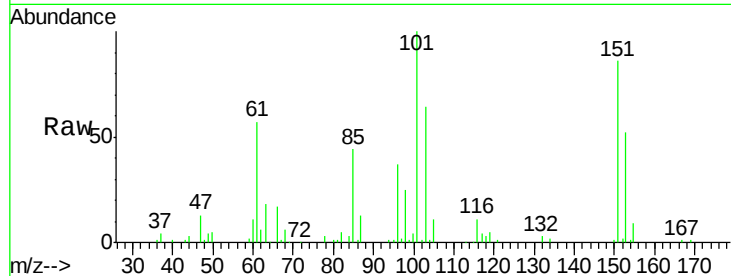
ClientSampleId :

VN0720WBS01

Tot Ion:	101	Resp:	130449
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.4	51.6
151	84.8	66.2	99.4

Manual Integrations
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MMDadoda
7/23/2018 2:04:00 PM



#10

Methyl Iodide

Concen: 13.90 ug/l

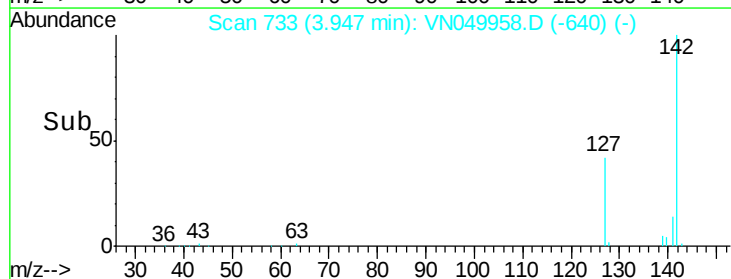
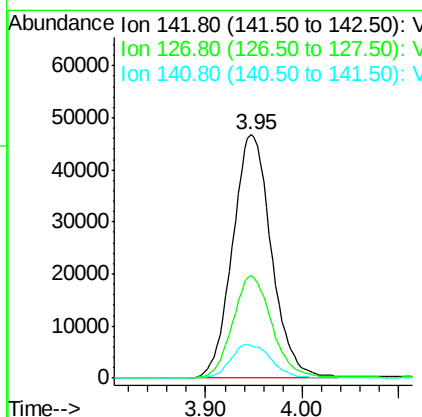
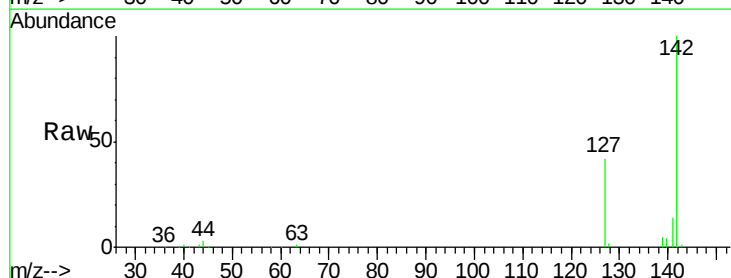
RT: 3.95 min Scan# 733

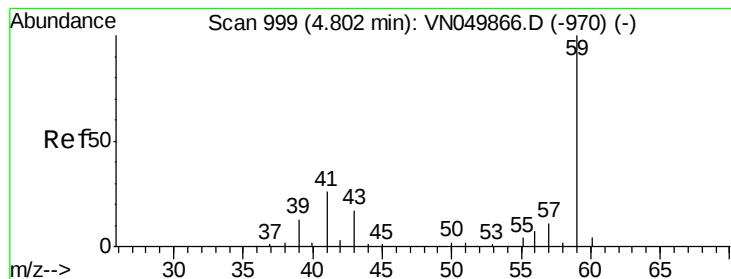
Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Tgt Ion:	142	Resp:	130602
Ion Ratio	Lower	Upper	
142	100		
127	42.4	32.5	48.7
141	14.4	11.1	16.7





#11

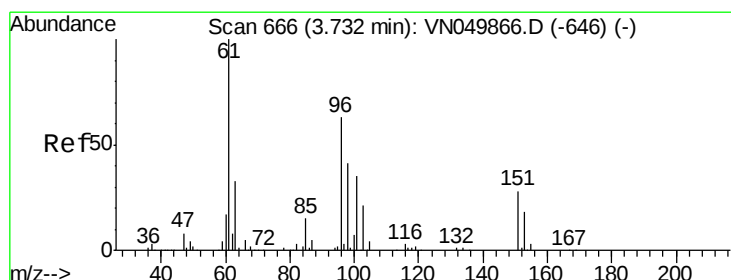
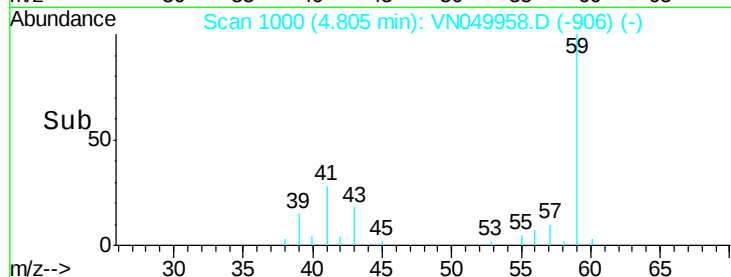
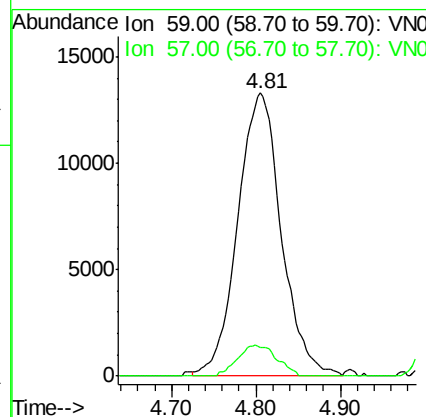
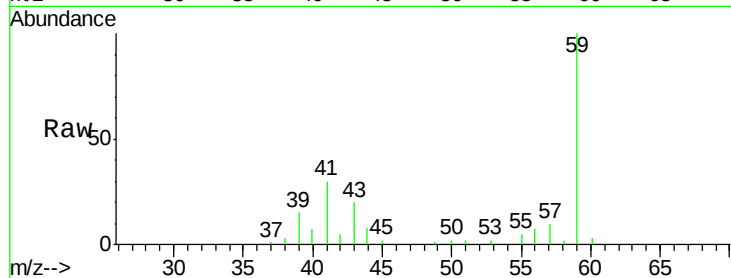
Tert butyl alcohol
 Concen: 85.84 ug/l
 RT: 4.81 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0720WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7

Manual Integrations
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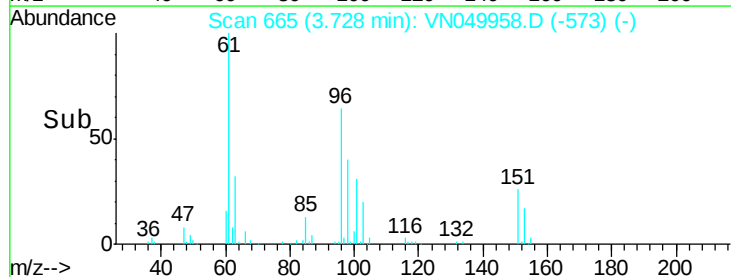
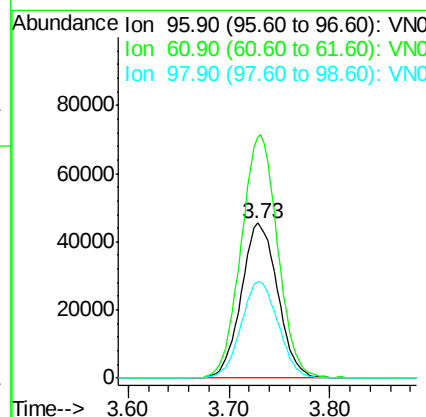
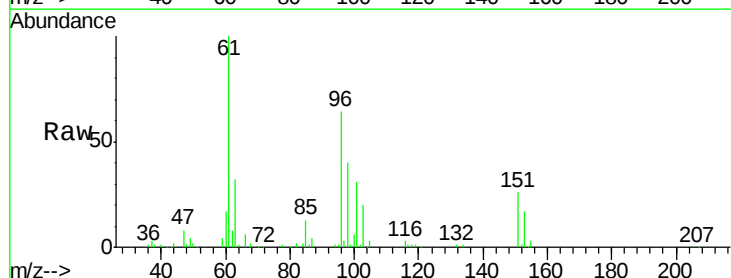
MMDadoda
 7/23/2018 2:04:00 PM

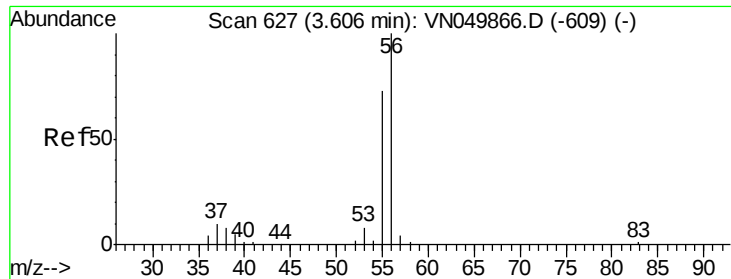


#12

1,1-Dichloroethene
 Concen: 18.52 ug/l
 RT: 3.73 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.9	126.5	189.7
98	62.3	51.0	76.6





#13

Acrolein

Concen: 66.05 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

Tot Ion: 56 Resp: 23653

Ion Ratio Lower Upper

56 100

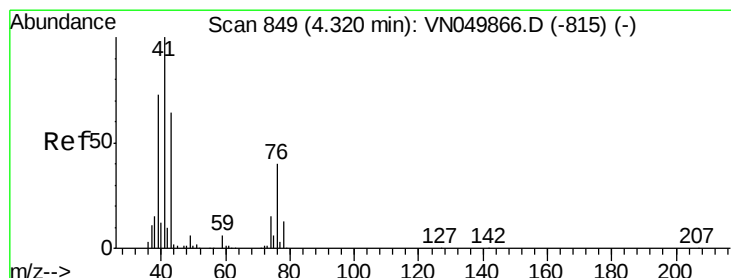
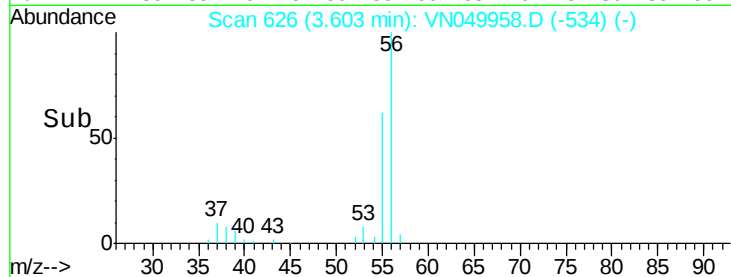
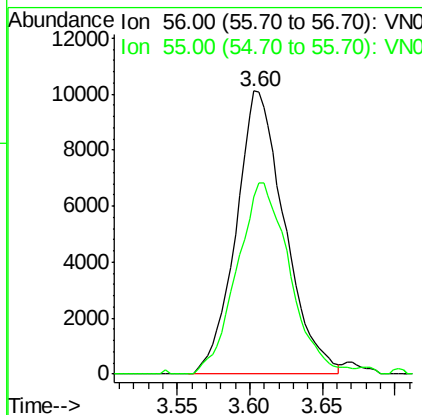
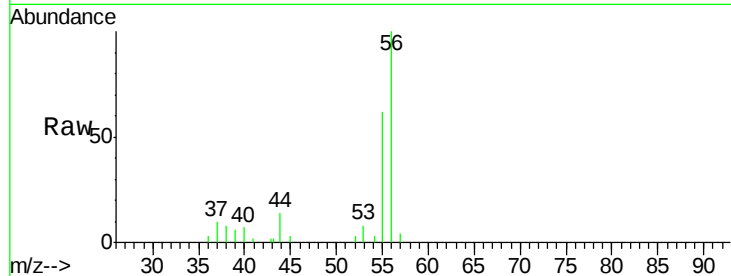
55 73.3 55.8 83.8

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 18.52 ug/l

RT: 4.32 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

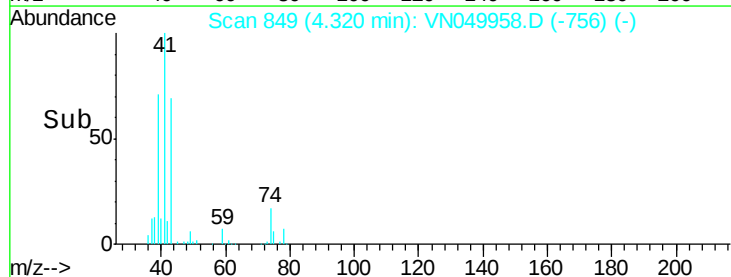
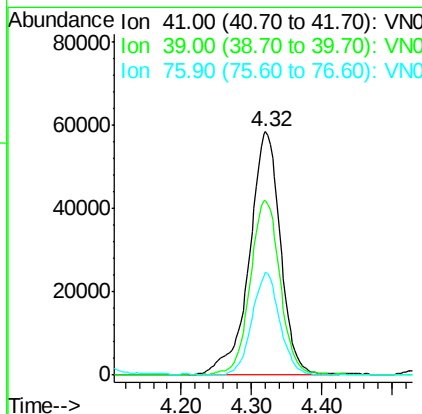
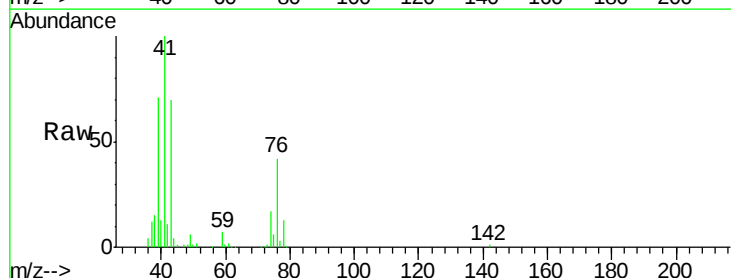
Tgt Ion: 41 Resp: 179664

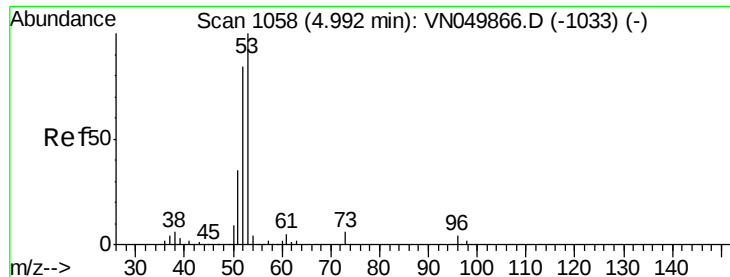
Ion Ratio Lower Upper

41 100

39 69.0 53.2 79.8

76 37.6 29.0 43.6





#15

Acrylonitrile

Concen: 93.11 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

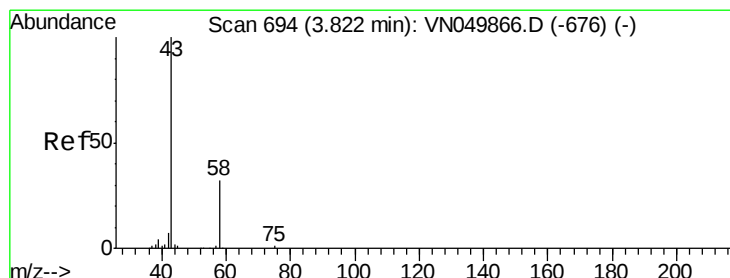
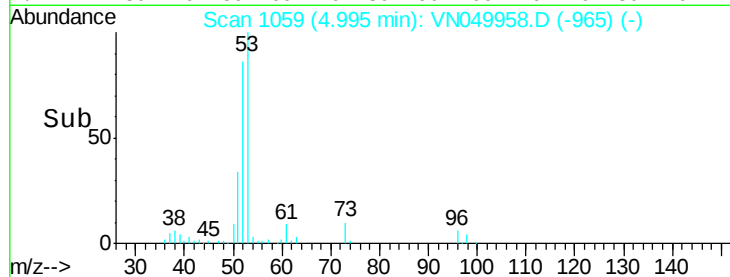
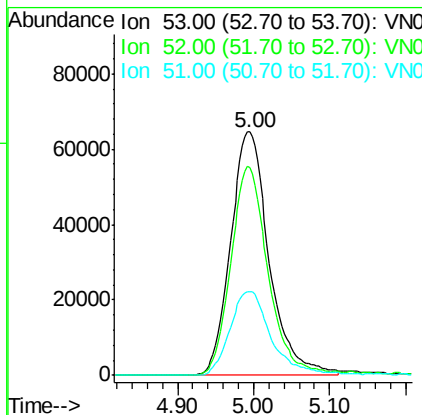
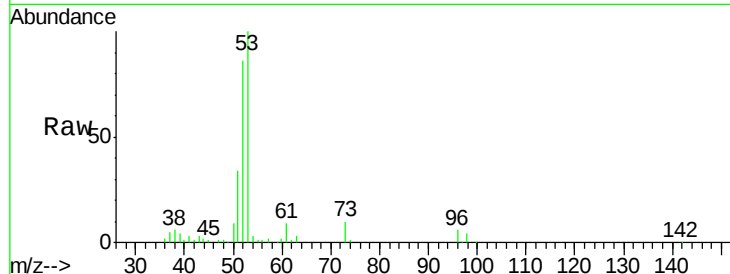
ClientSampled :

VN0720WBS01

Tot Ion:	53	Resp:	227558
Ion	Ratio	Lower	Upper
53	100		
52	82.4	64.8	97.2
51	36.5	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 92.90 ug/l

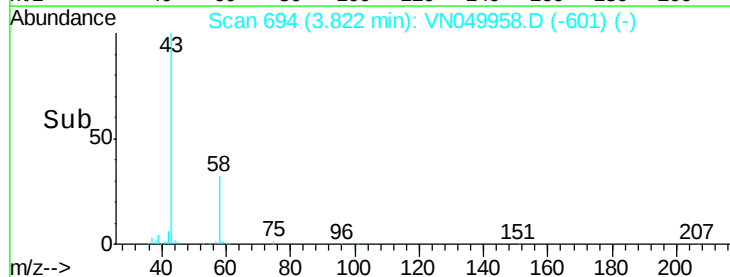
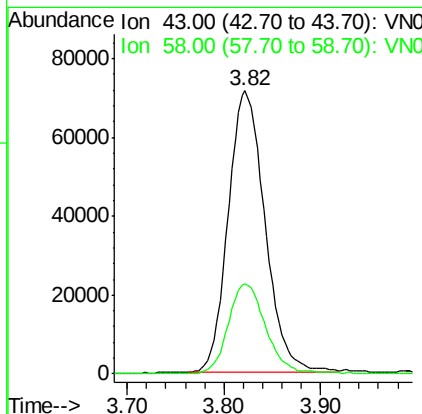
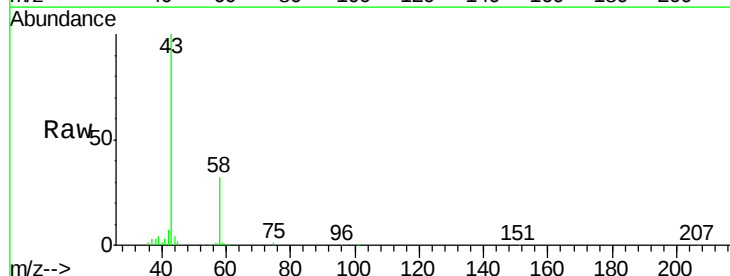
RT: 3.82 min Scan# 694

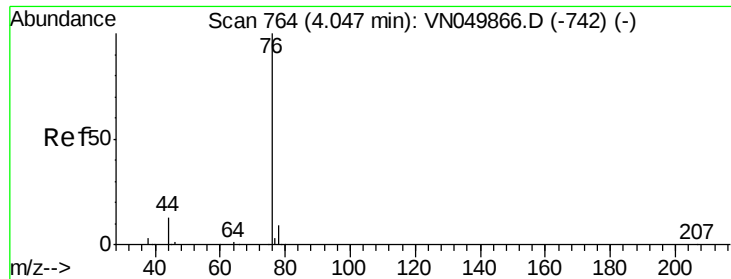
Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Tgt Ion:	43	Resp:	187619
Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.9	38.9





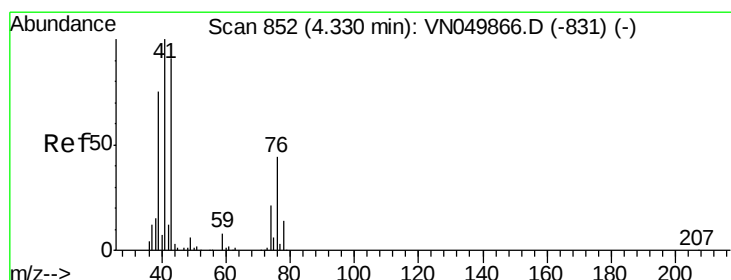
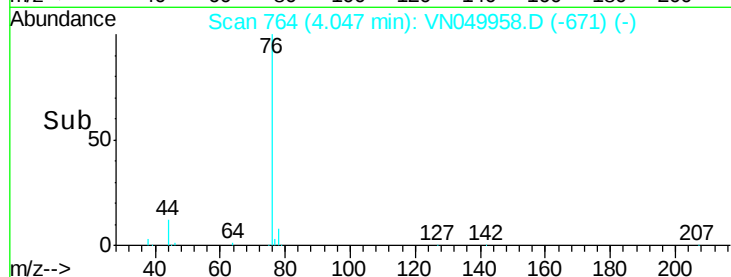
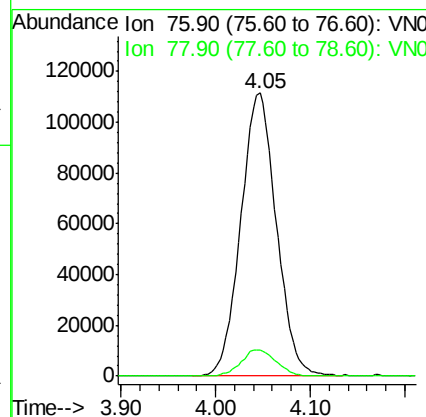
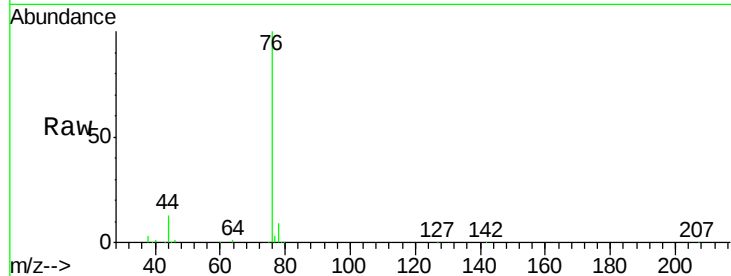
#17
Carbon Disulfide
Concen: 15.83 ug/l
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

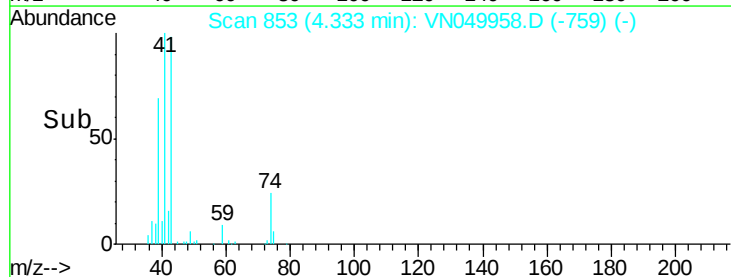
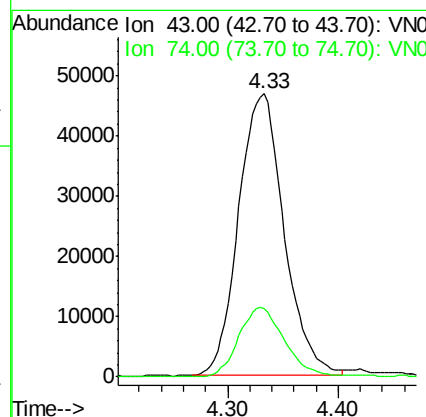
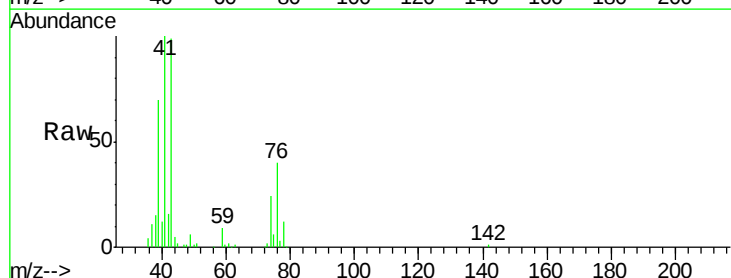
Manual Integrations
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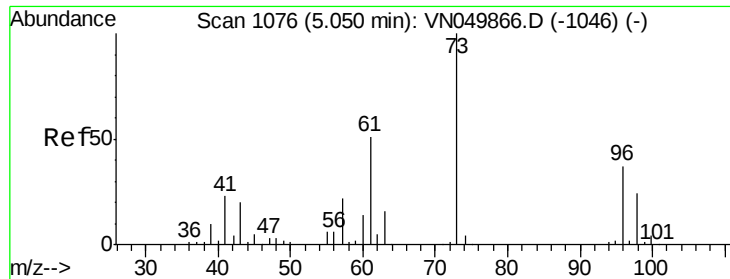
MMDadoda
7/23/2018 2:04:00 PM



#18
Methyl Acetate
Concen: 20.57 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.8	29.8





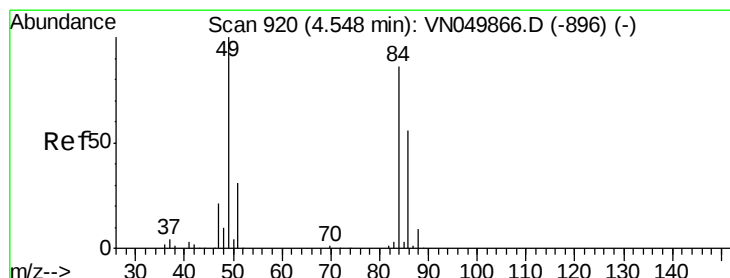
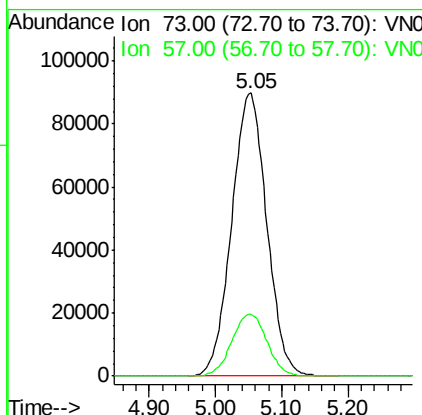
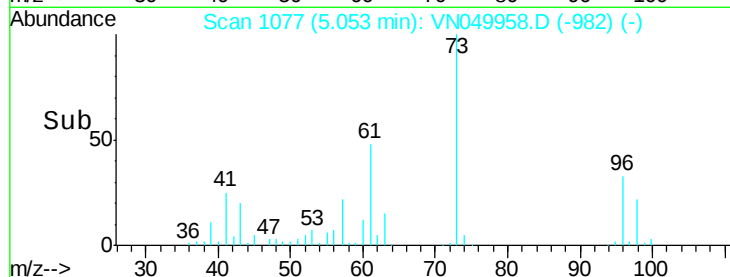
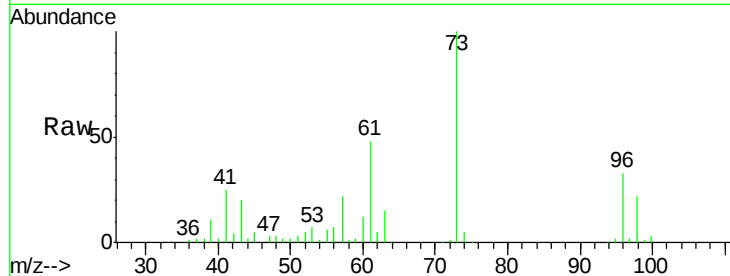
#19
Methvl tert-butvl Ether
Concen: 19.46 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion: 73 Resp: 329409
Ion Ratio Lower Upper
73 100
57 21.7 18.1 27.1

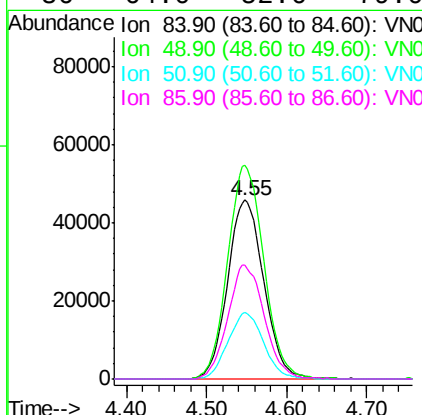
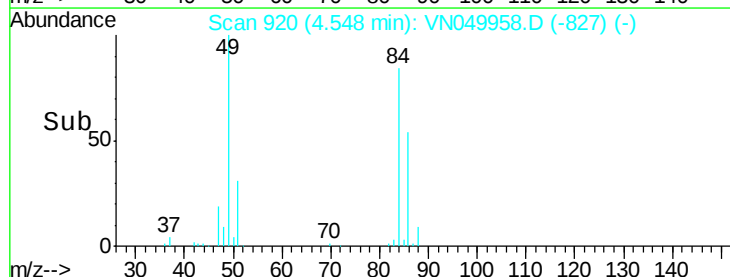
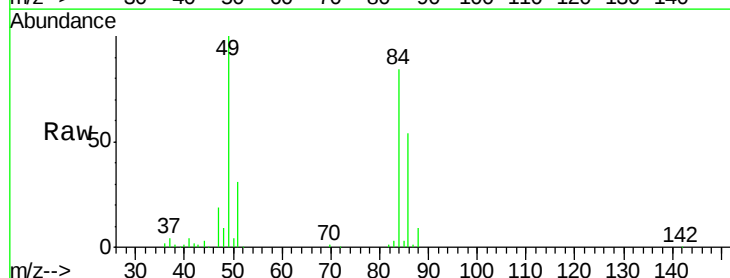
Manual Integrations
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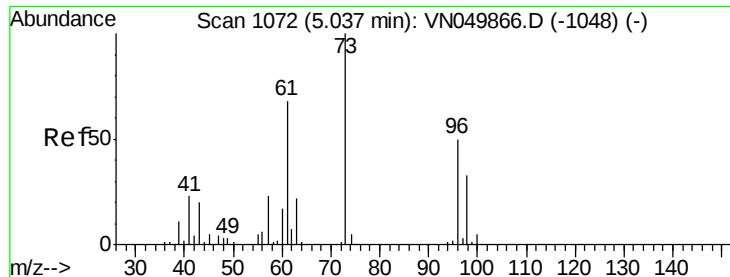
MMDadoda
7/23/2018 2:04:00 PM



#20
Methylene Chloride
Concen: 18.37 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion: 84 Resp: 141061
Ion Ratio Lower Upper
84 100
49 119.4 95.4 143.2
51 37.2 28.4 42.6
86 64.0 52.6 79.0





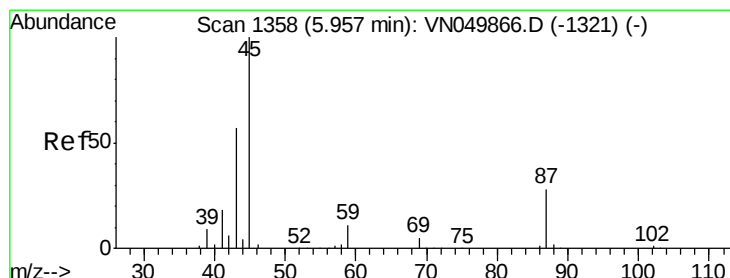
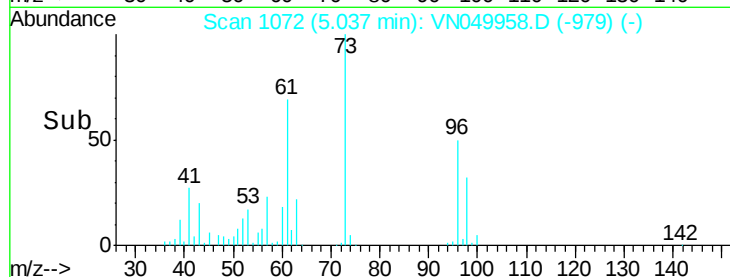
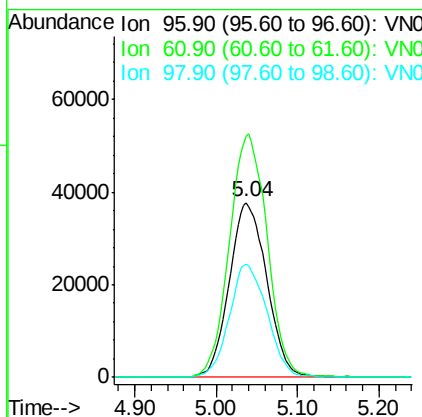
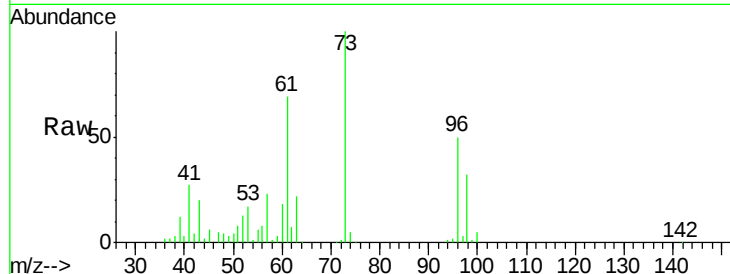
#21
trans-1,2-Dichloroethene
Concen: 18.43 ug/l
RT: 5.04 min Scan# 1072
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	109.0	163.6
98	64.7	51.1	76.7

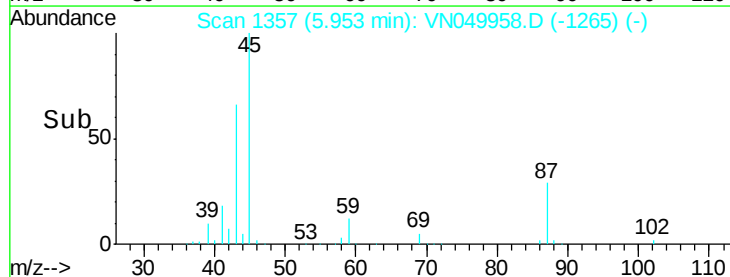
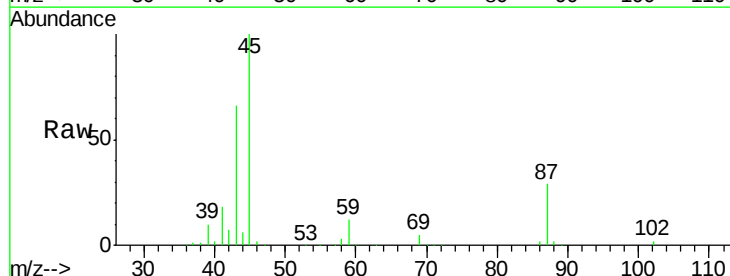
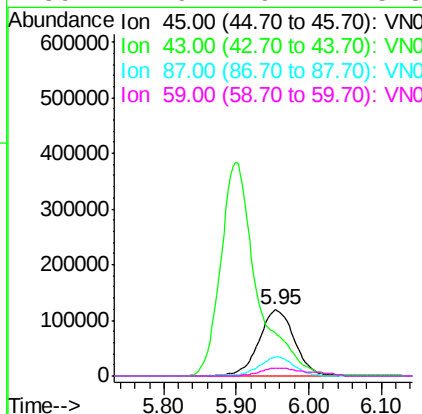
Manual Integrations
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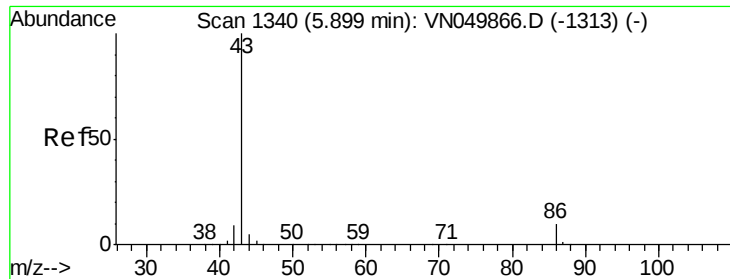
MMDadoda
7/23/2018 2:04:00 PM



#22
Diisopropyl ether
Concen: 20.48 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.3	48.1	72.1
87	28.5	22.6	34.0
59	11.9	9.2	13.8





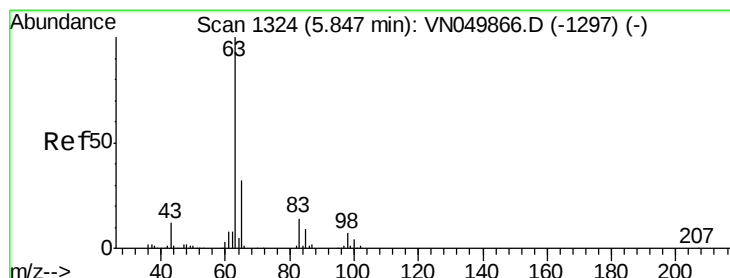
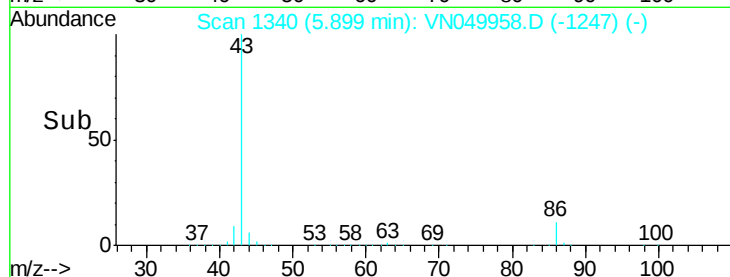
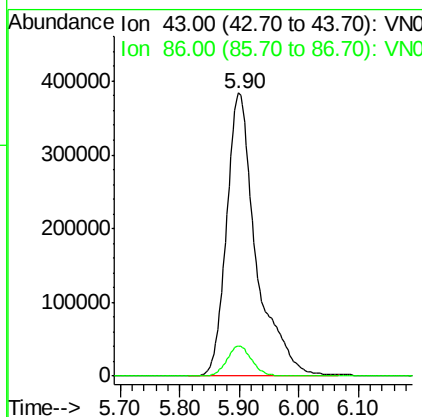
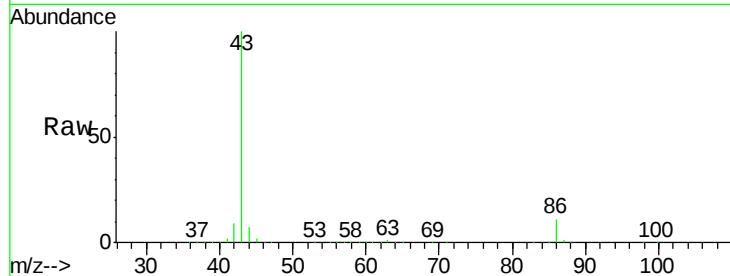
#23
 Vinyl Acetate
 Concen: 95.90 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

Tot Ion: 43 Resp: 1331842
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6

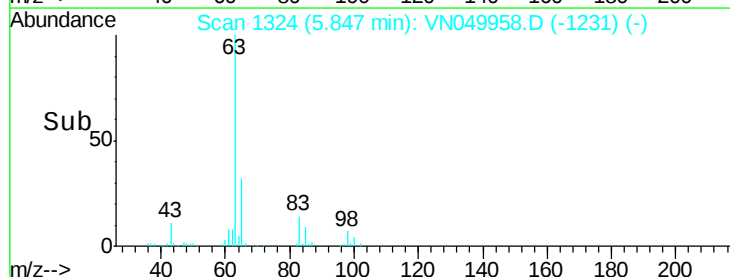
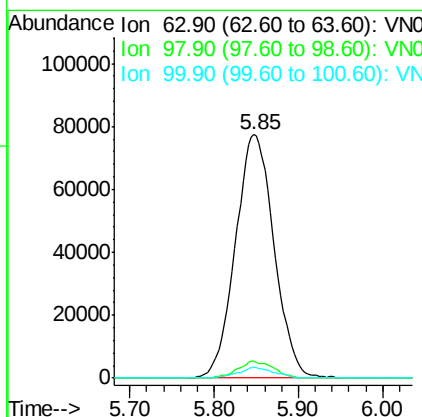
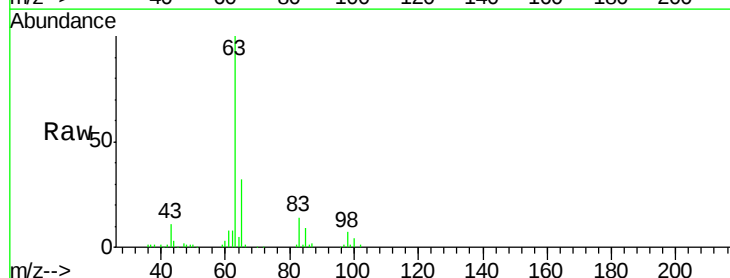
Manual Integrations
 APPROVED

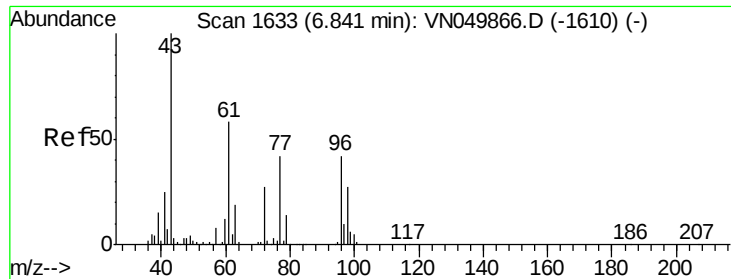
MMDadoda
 7/23/2018 2:04:00 PM



#24
 1,1-Dichloroethane
 Concen: 19.40 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion: 63 Resp: 246434
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.3 2.2 6.6





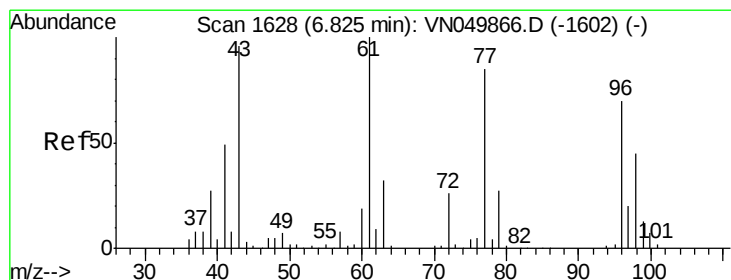
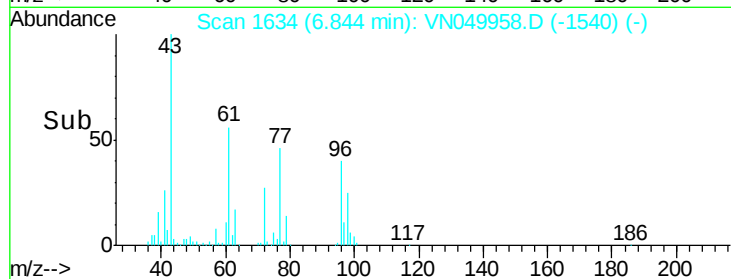
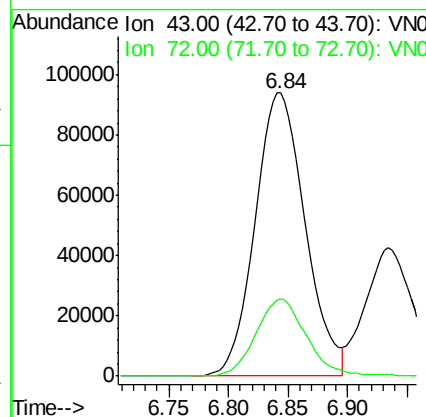
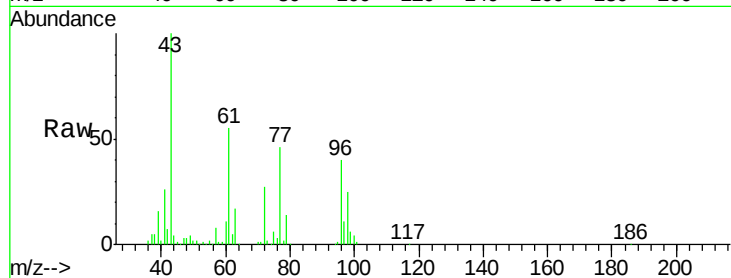
#25
2-Butanone
Concen: 94.46 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampled :
VN0720WBS01

Tot Ion: 43 Resp: 272630
Ion Ratio Lower Upper
43 100
72 27.4 22.1 33.1

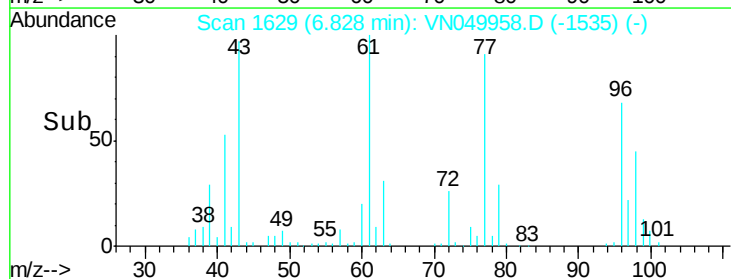
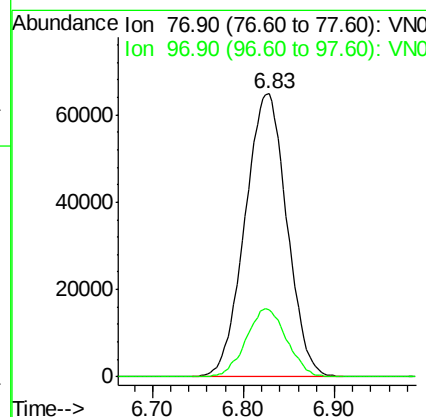
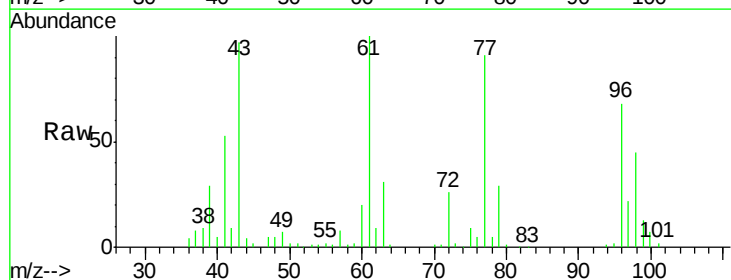
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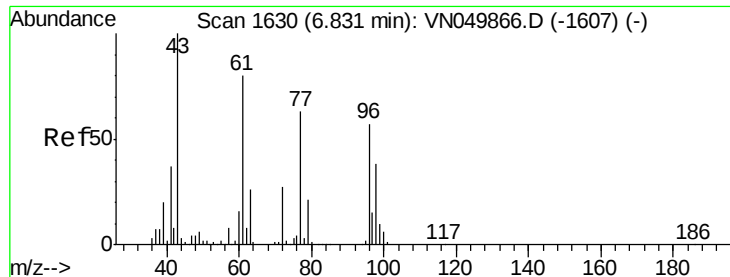
MMDadoda
7/23/2018 2:04:00 PM



#26
2,2-Dichloropropane
Concen: 20.96 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion: 77 Resp: 207199
Ion Ratio Lower Upper
77 100
97 23.4 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.69 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

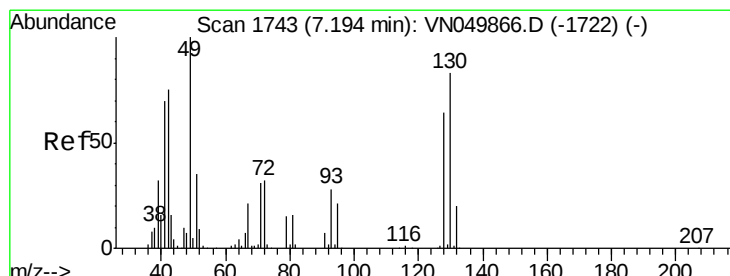
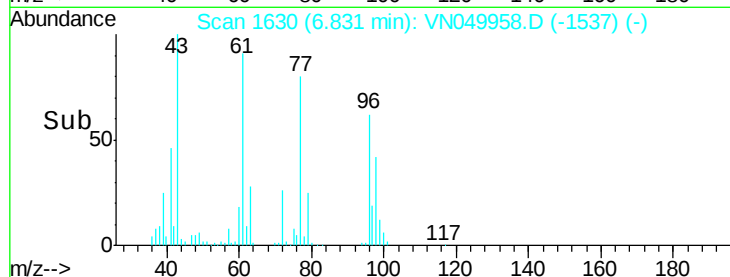
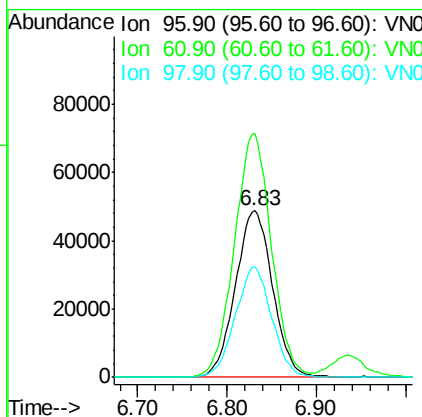
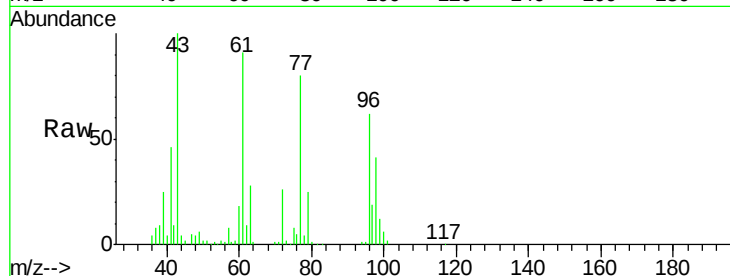
ClientSampleId :

VN0720WBS01

Tot Ion:	96	Resp:	141128
Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	289.0
98	65.1	0.0	130.2

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7/23/2018 2:04:00 PM



#28

Bromochloromethane

Concen: 21.23 ug/l

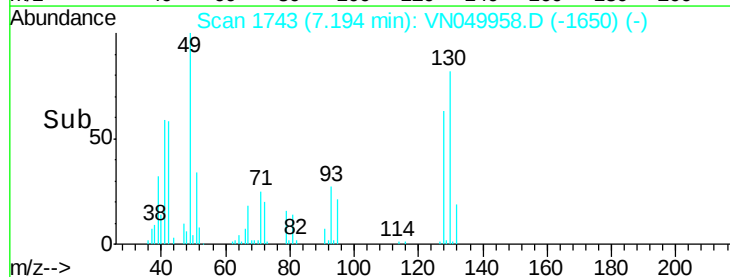
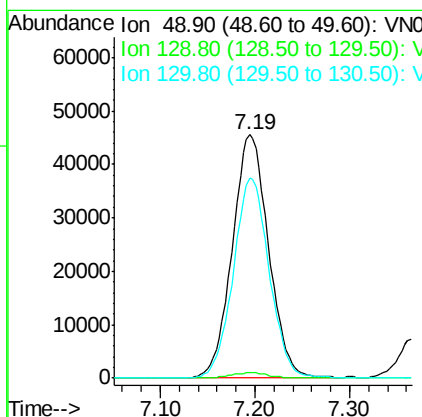
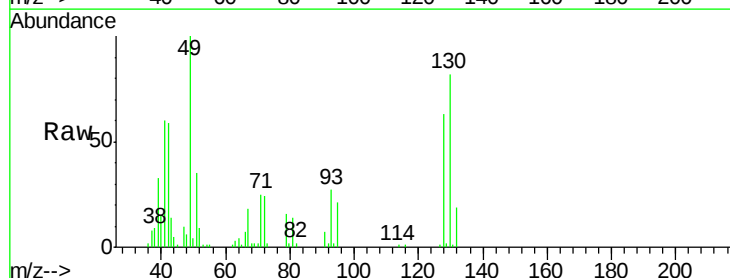
RT: 7.19 min Scan# 1743

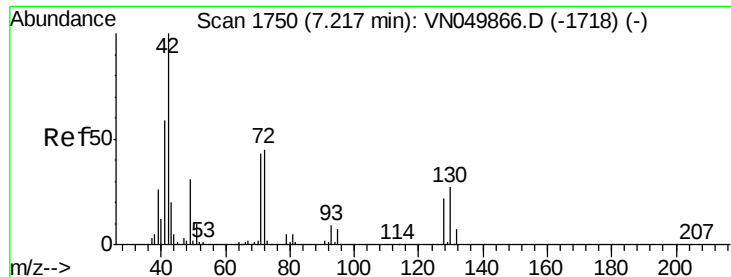
Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Tgt Ion:	49	Resp:	121834
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	81.4	65.5	98.3





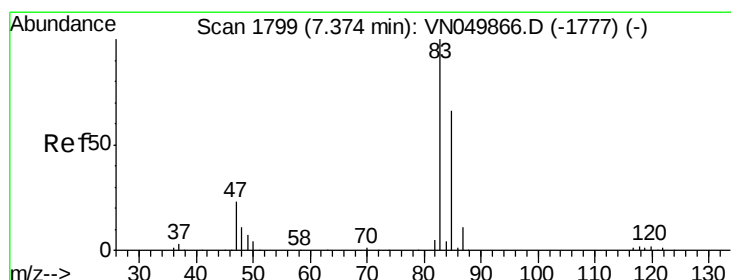
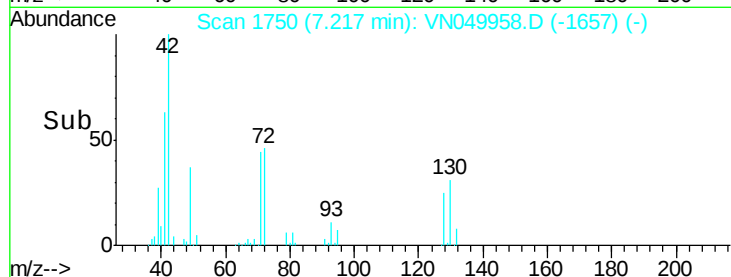
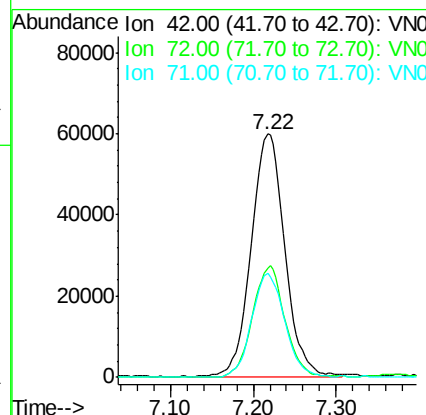
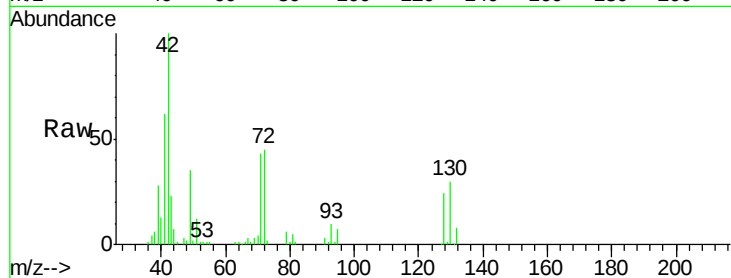
#29
Tetrahydrofuran
Concen: 92.24 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampled :
VN0720WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.6	53.4
71	42.4	34.0	51.0

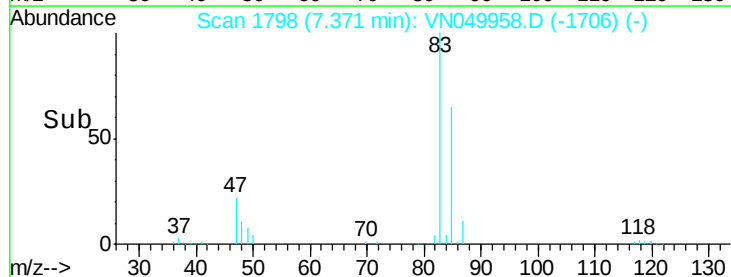
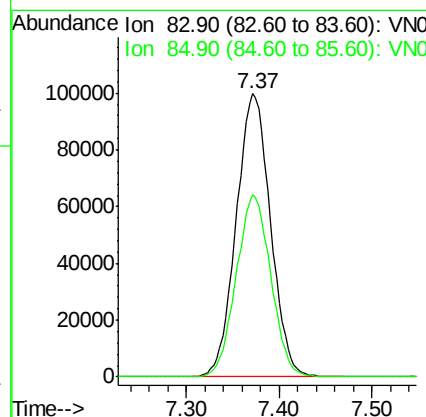
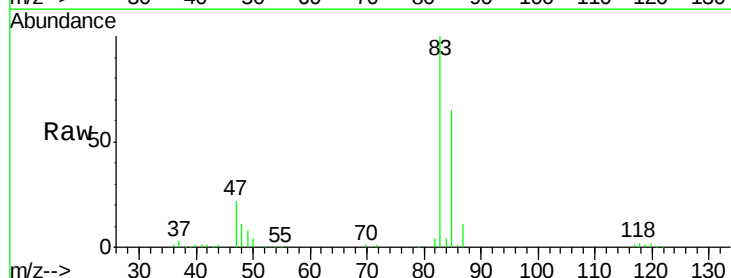
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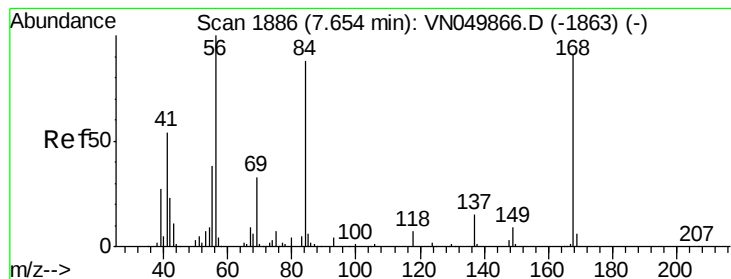
MMDadoda
7/23/2018 2:04:00 PM



#30
Chloroform
Concen: 19.62 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.2





#31

Cyclohexane

Concen: 18.36 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

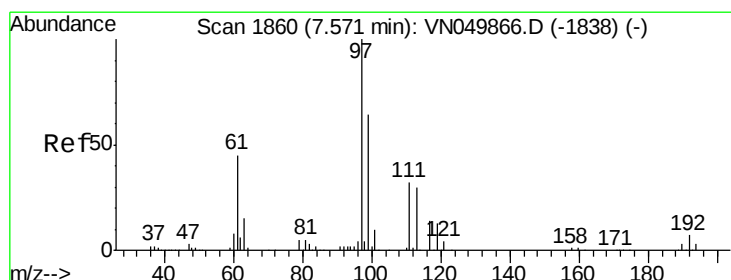
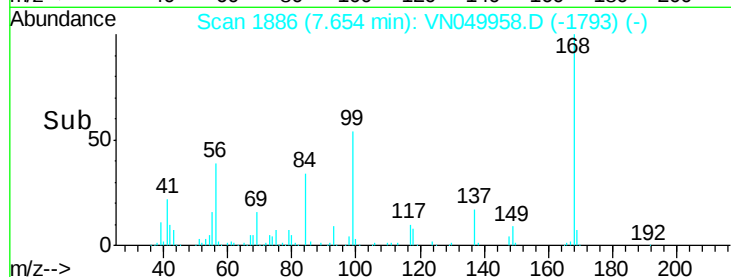
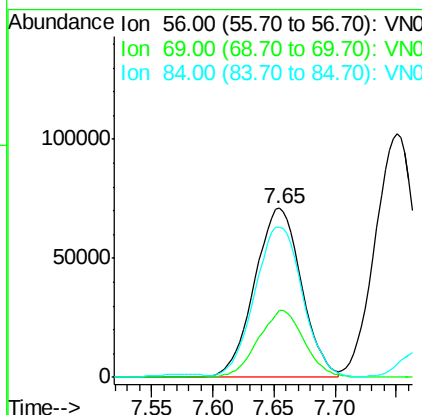
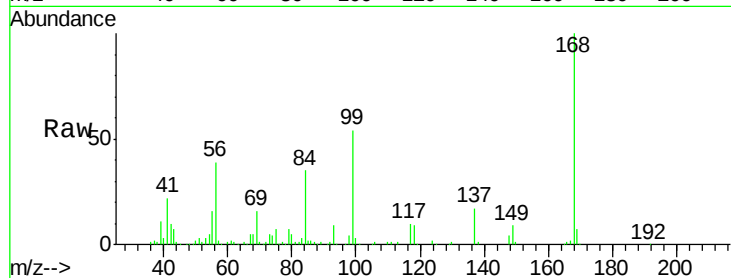
ClientSampled :

VN0720WBS01

Tot Ion	56	Resp	189895
Ion Ratio	Lower	Upper	
56	100		
69	39.5	26.6	40.0
84	87.2	69.0	103.6

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#32

1,1,1-Trichloroethane

Concen: 18.98 ug/l

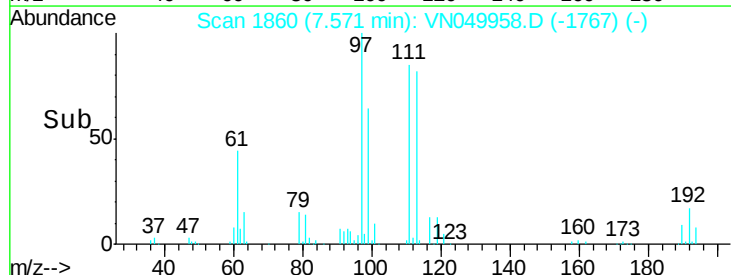
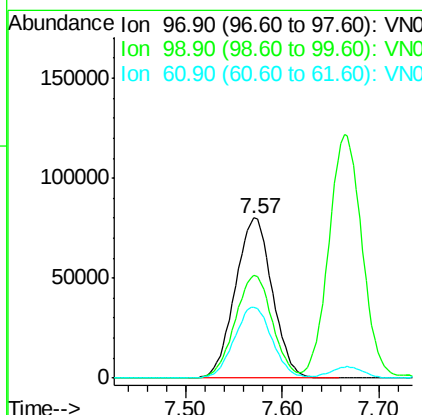
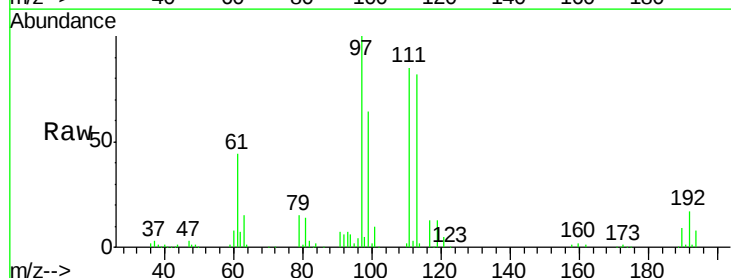
RT: 7.57 min Scan# 1860

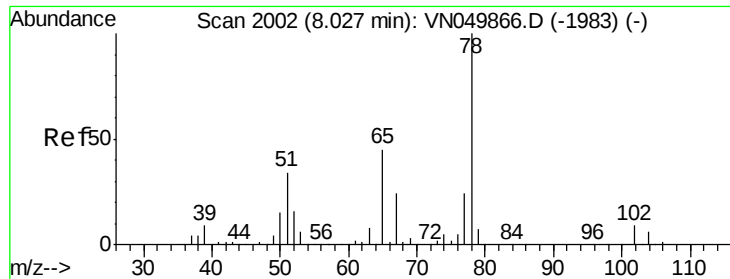
Delta R.T. -0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Tgt Ion	97	Resp	214025
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.0	76.4
61	45.0	35.5	53.3





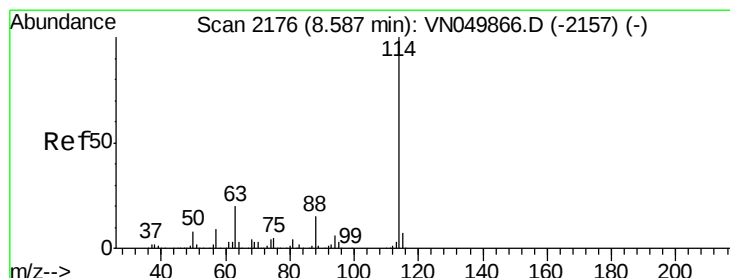
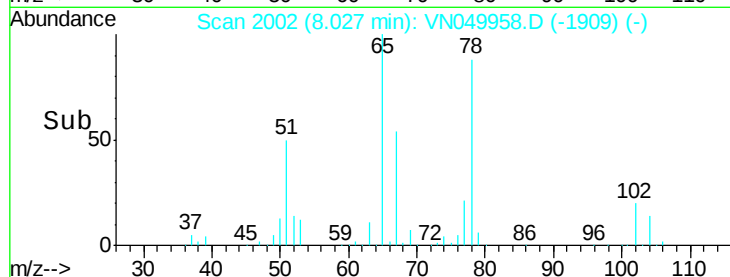
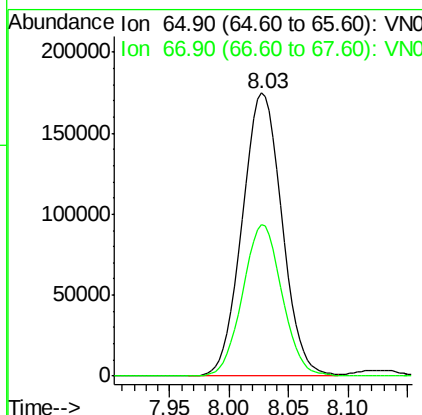
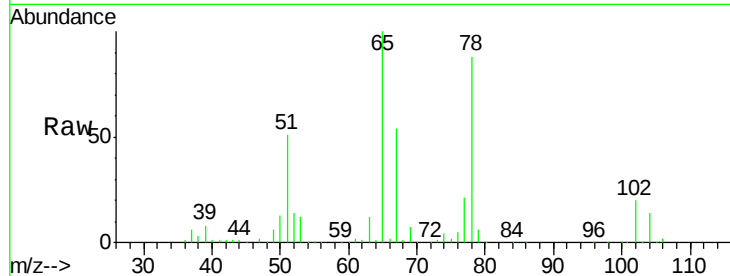
#33
 1,2-Dichloroethane-d4
 Concen: 52.15 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.0	0.0	107.2	

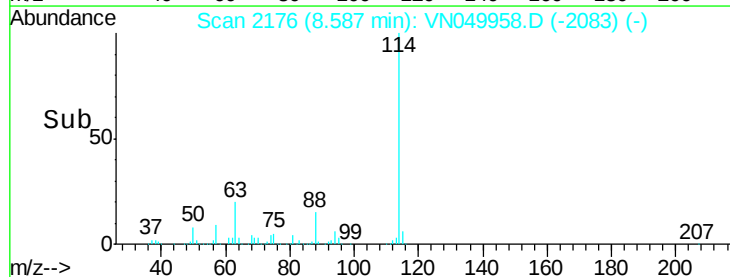
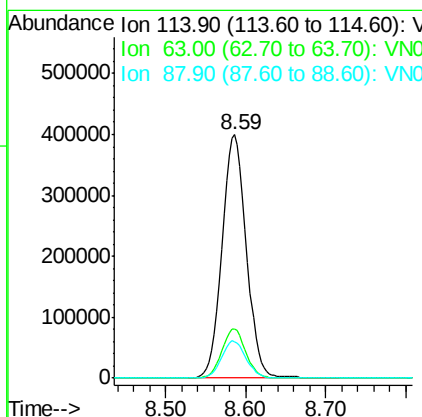
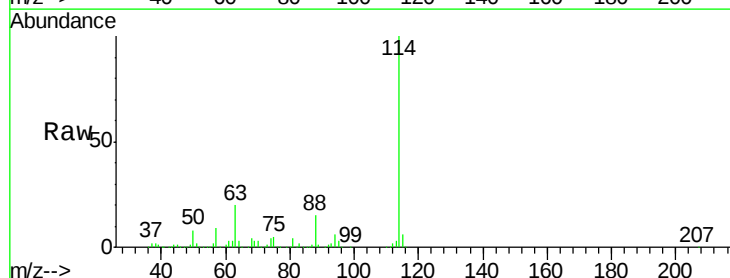
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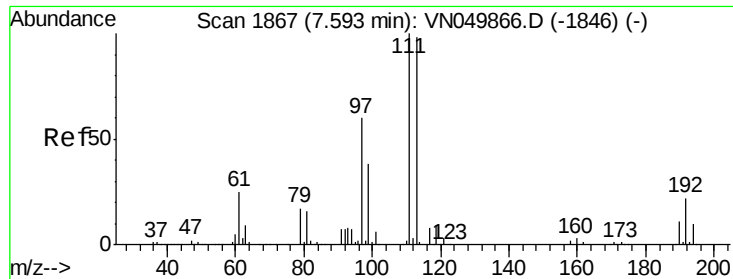
MMDadoda
 7/23/2018 2:04:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.3	0.0	39.8	
88	15.1	0.0	30.6	





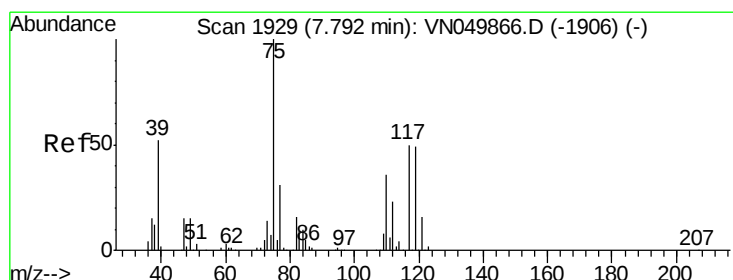
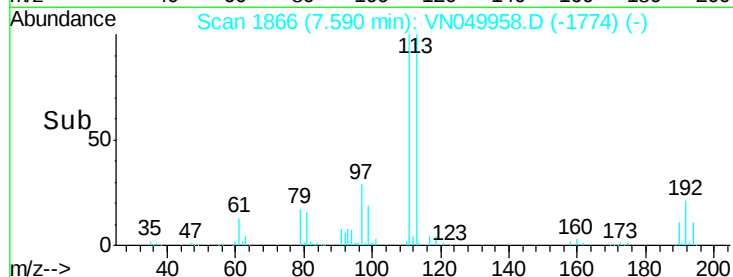
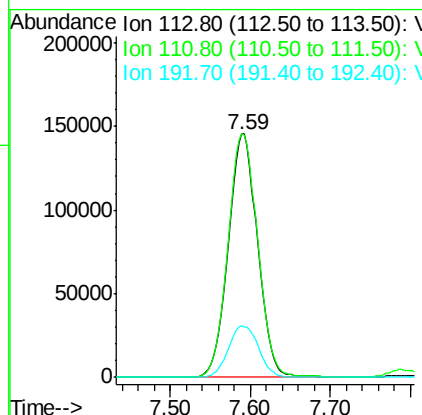
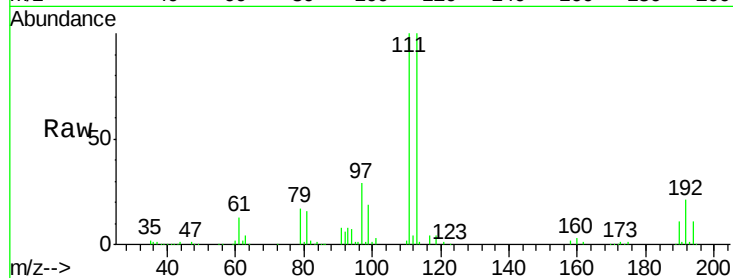
#35
 Dibromofluoromethane
 Concen: 51.73 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	362303		
111	101.6	81.8	122.8	
192	21.8	17.8	26.6	

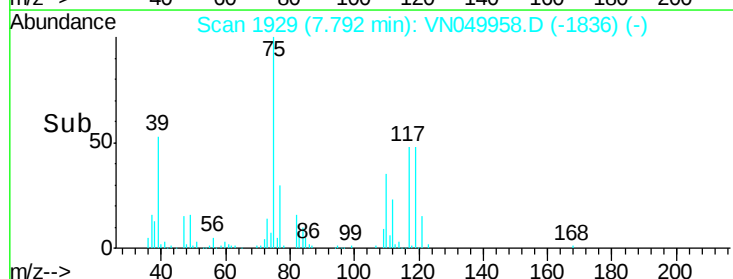
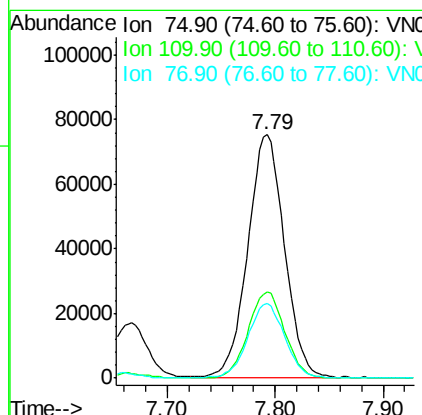
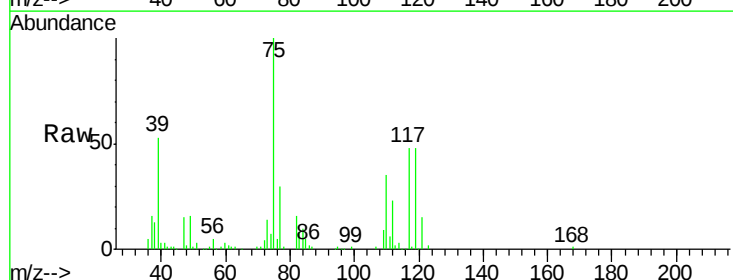
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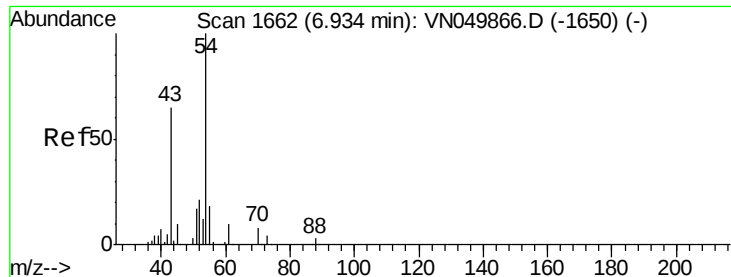
MMDadoda
 7/23/2018 2:04:00 PM



#36
 1,1-Dichloropropene
 Concen: 19.08 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	177018		
110	35.6	18.1	54.4	
77	31.2	24.9	37.3	





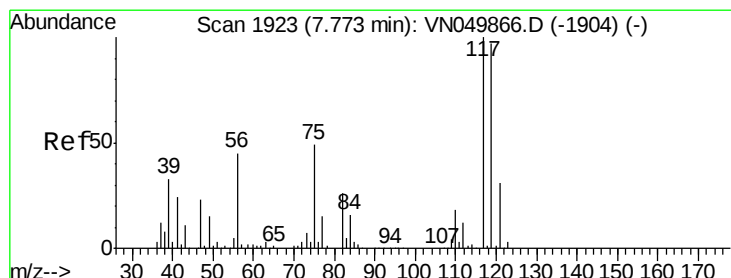
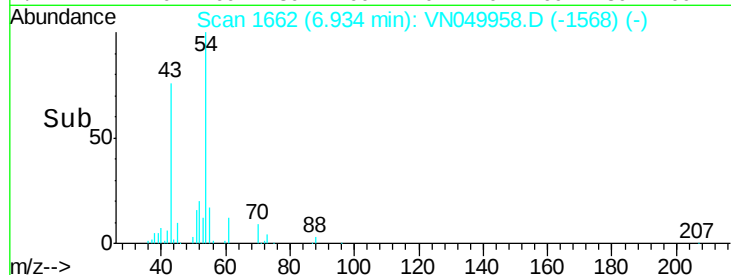
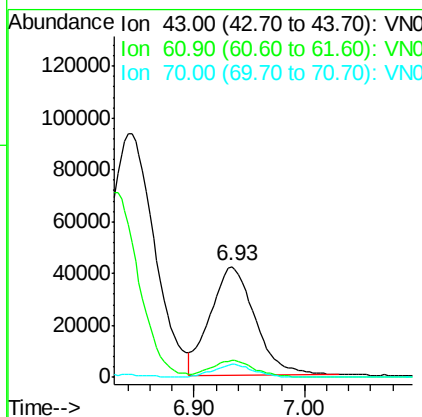
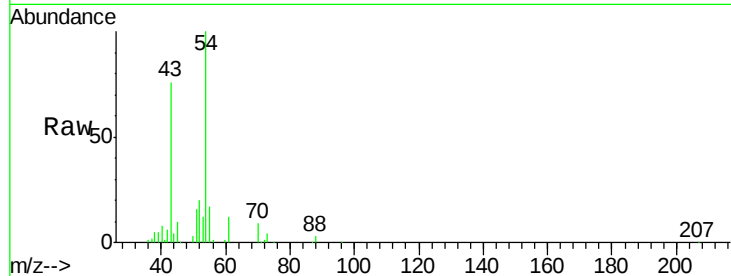
#37
Ethyl Acetate
Concen: 18.60 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampled :
VN0720WBS01

Tot Ion	43	61	70
Resp	118470		
Ratio	100	15.2	10.9
Lower		11.7	8.4
Upper		17.5	12.6

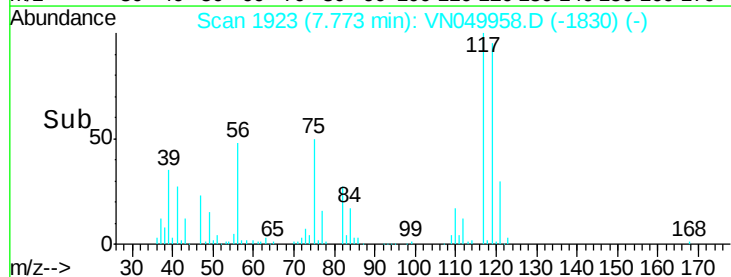
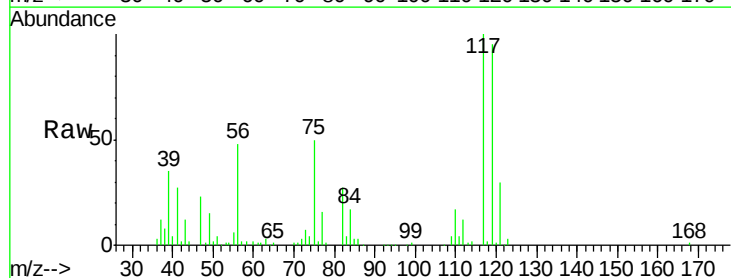
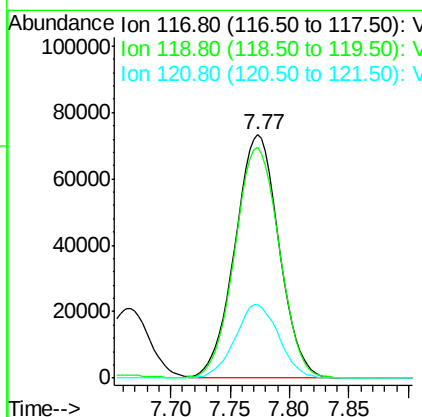
Manual Integrations
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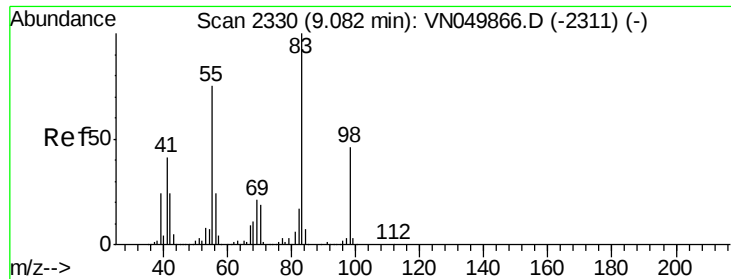
MMDadoda
7/23/2018 2:04:00 PM



#38
Carbon Tetrachloride
Concen: 18.92 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	117	119	121
Resp	187992		
Ratio	100	94.3	30.1
Lower		77.2	25.0
Upper		115.8	37.6





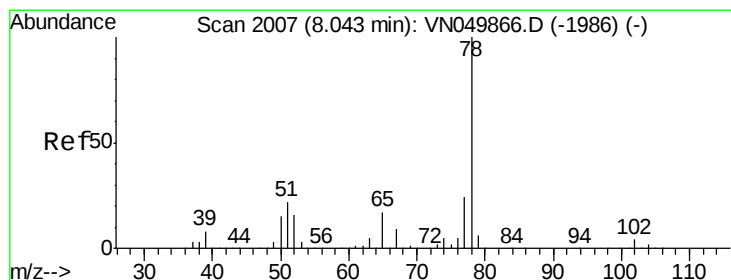
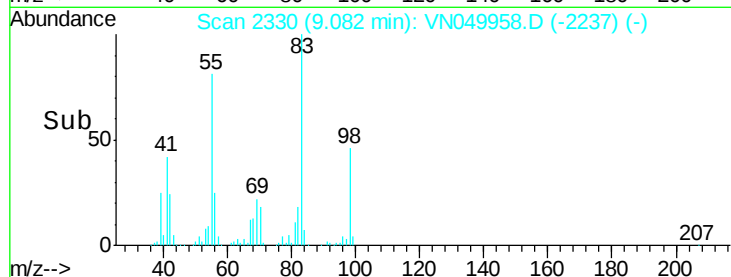
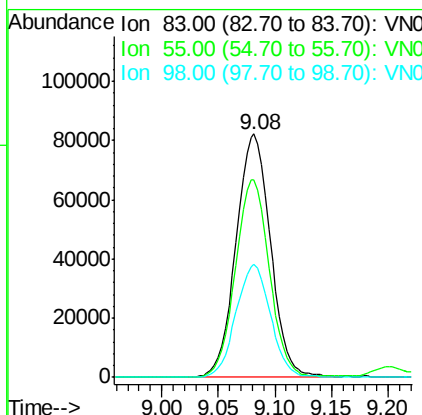
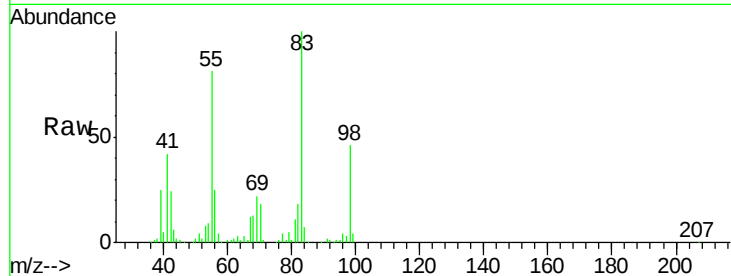
#39
Methvlcvclohexane
Concen: 18.23 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.1	59.7	89.5
98	46.4	36.5	54.7

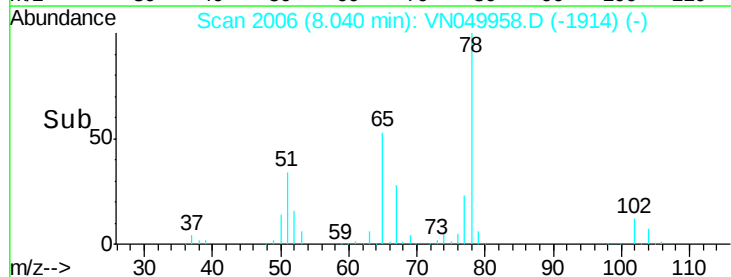
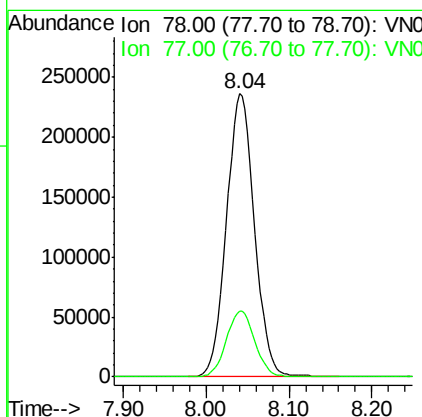
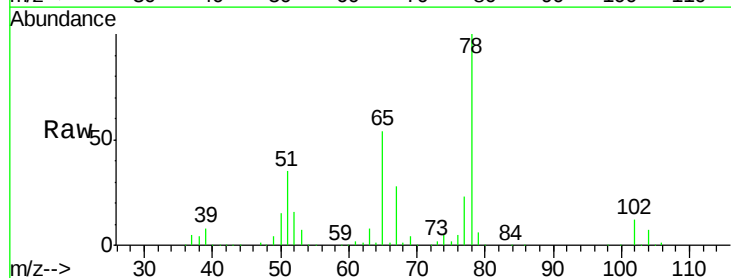
Manual Integrations
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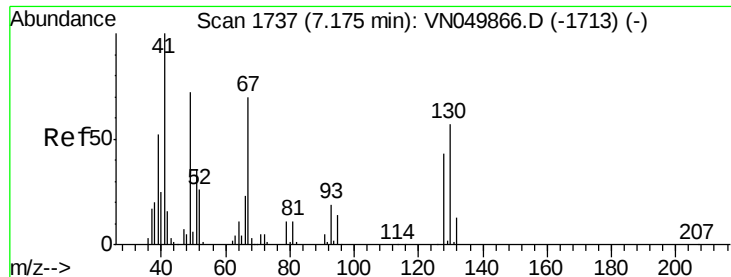
MMDadoda
7/23/2018 2:04:00 PM



#40
Benzene
Concen: 19.61 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





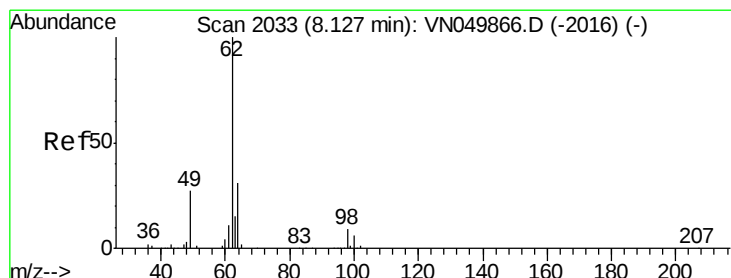
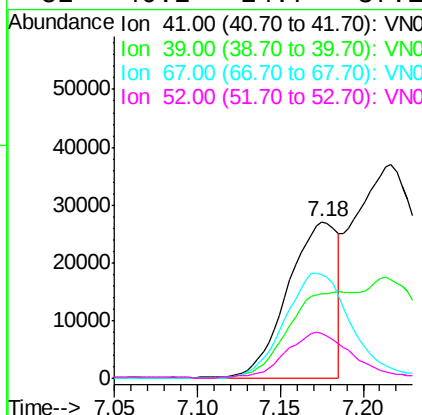
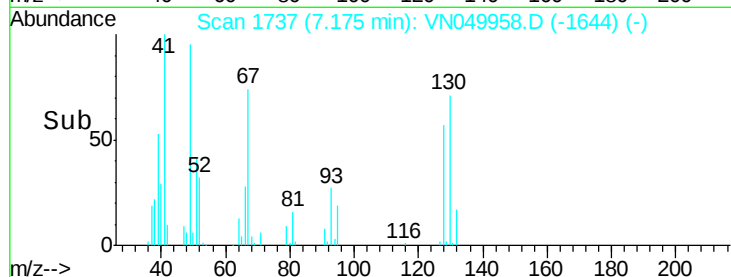
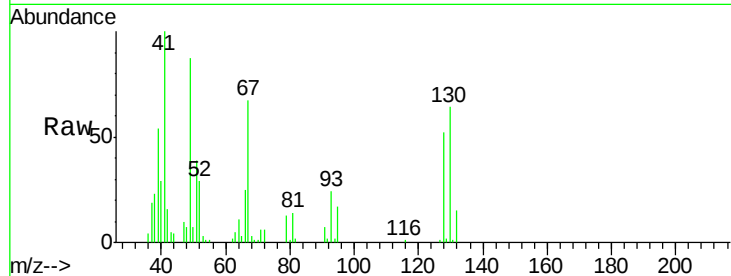
#41
Methacrylonitrile
Concen: 17.66 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	66.2	45.4	68.2	
67	90.4	65.4	98.0	
52	40.2	24.7	37.1	#

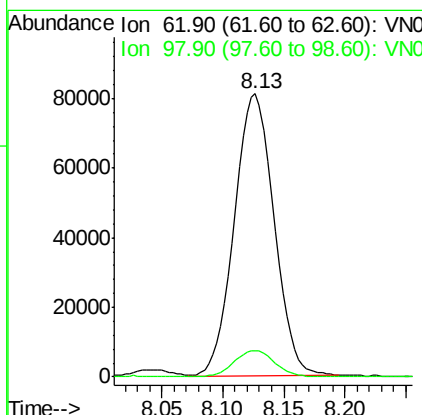
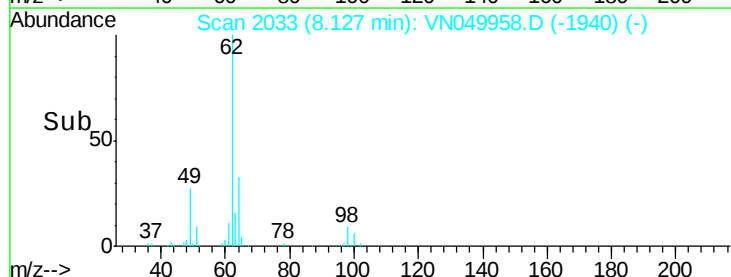
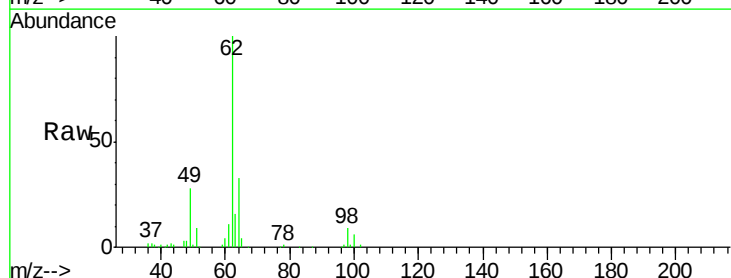
Manual Integrations
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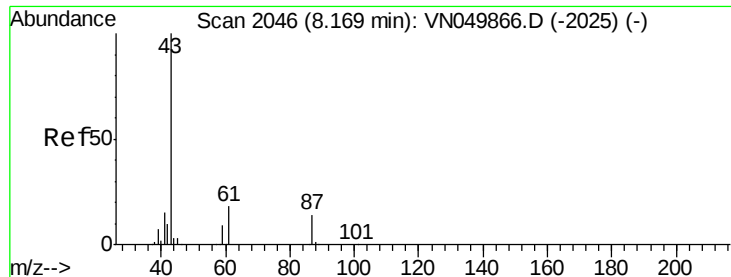
MMDadoda
7/23/2018 2:04:00 PM



#42
1,2-Dichloroethane
Concen: 19.54 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	19.0	





#43

Isopropyl Acetate

Concen: 20.70 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

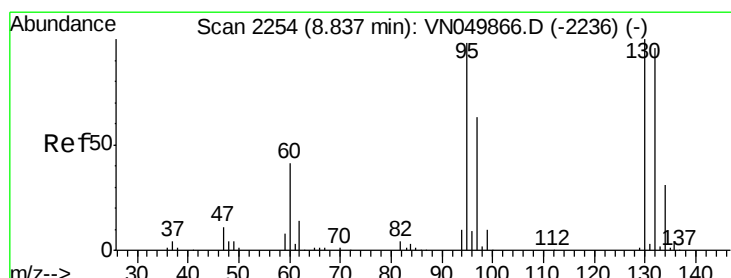
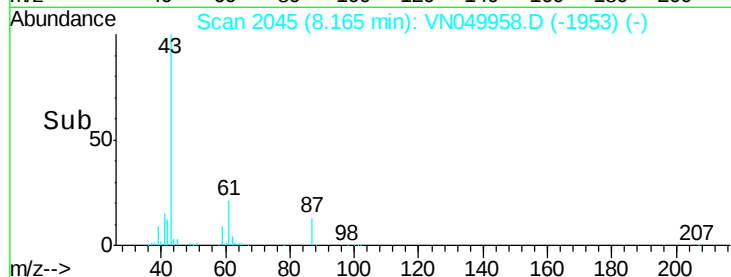
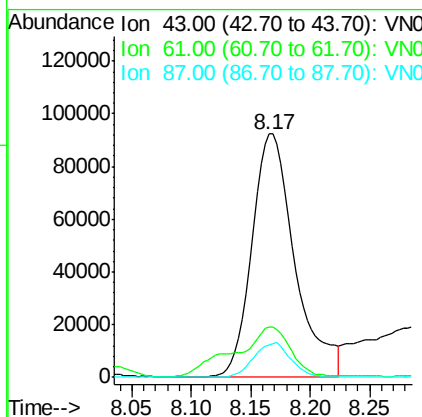
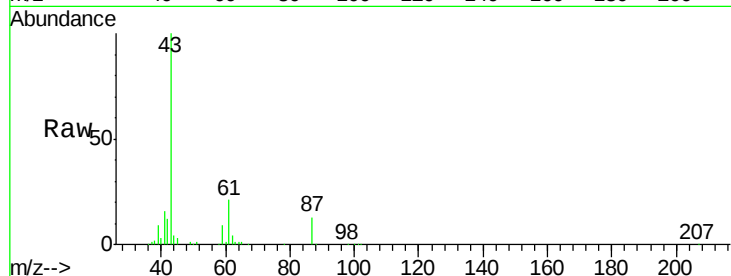
ClientSampleId :

VN0720WBS01

Tot Ion:	43	Resp:	230370
Ion Ratio		Lower	Upper
43	100		
61	26.8	14.9	22.3#
87	12.3	10.0	15.0

Manual Integrations
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MMDadoda
7/23/2018 2:04:00 PM



#44

Trichloroethene

Concen: 19.38 ug/l

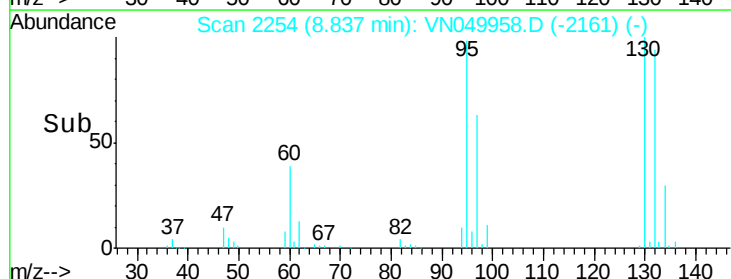
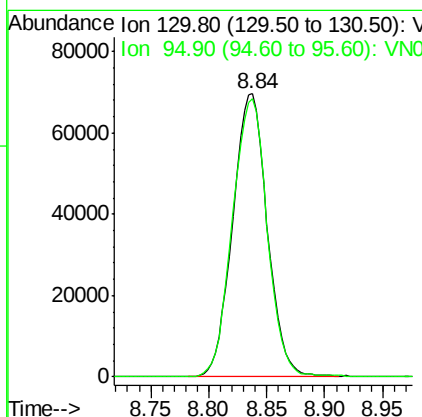
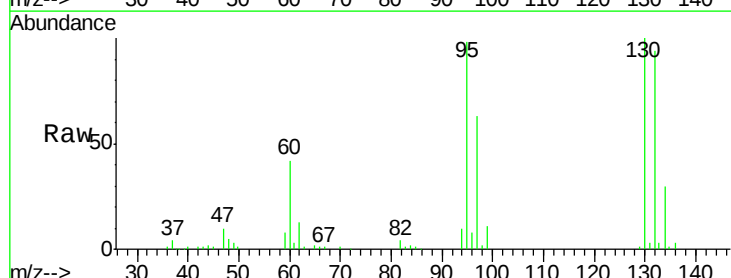
RT: 8.84 min Scan# 2254

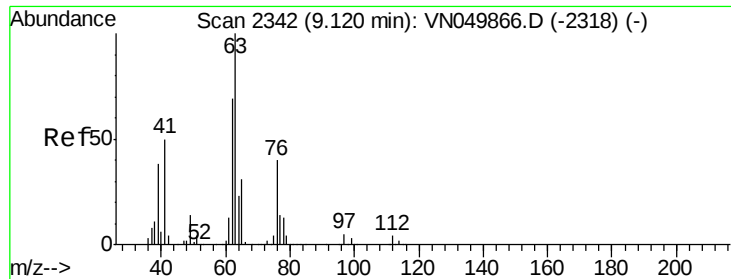
Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Tgt Ion:	130	Resp:	143704
Ion Ratio		Lower	Upper
130	100		
95	98.2	0.0	192.8





#45

1,2-Dichloropropane

Concen: 19.52 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS01

Tot Ion: 63 Resp: 148864

Ion Ratio Lower Upper

63 100

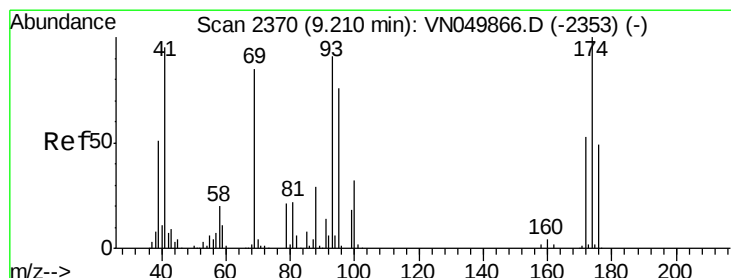
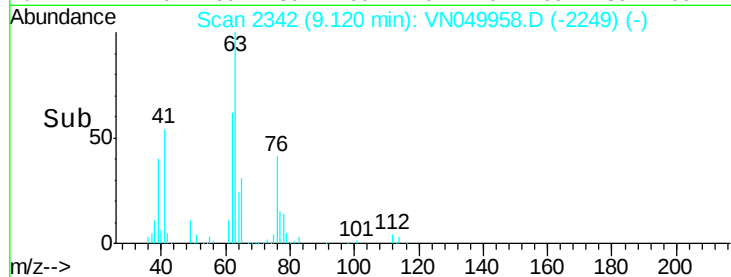
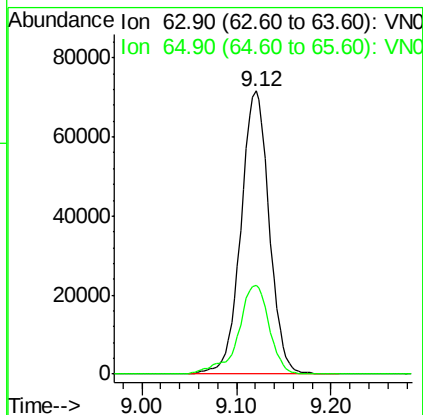
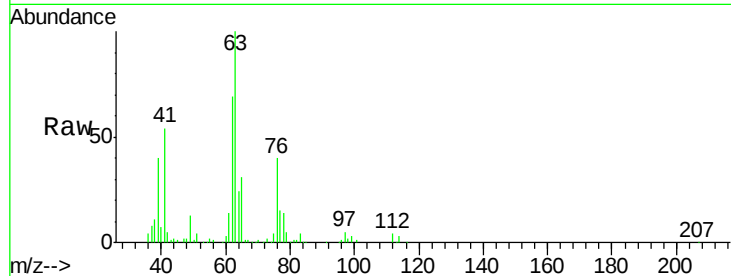
65 31.4 24.7 37.1

Manual Integrations

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MMDadoda

7/23/2018 2:04:00 PM



#46

Dibromomethane

Concen: 19.03 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

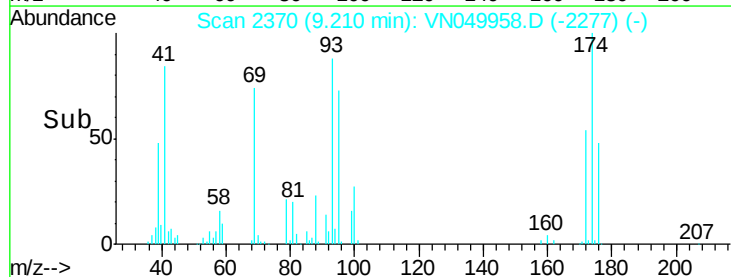
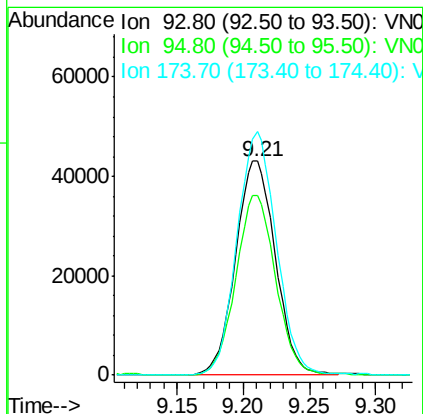
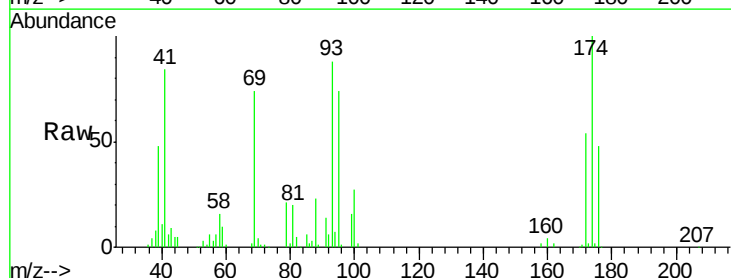
Tgt Ion: 93 Resp: 90020

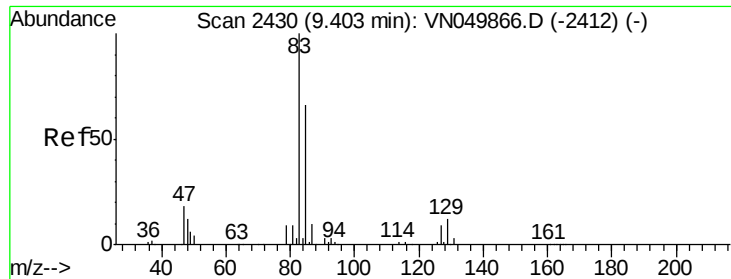
Ion Ratio Lower Upper

93 100

95 83.7 67.9 101.9

174 112.1 89.4 134.0





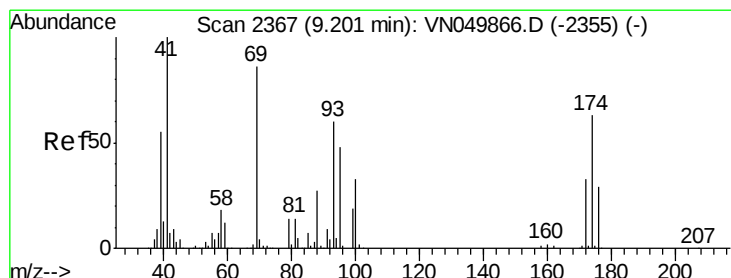
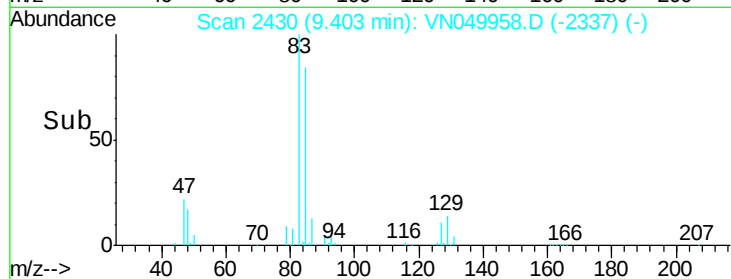
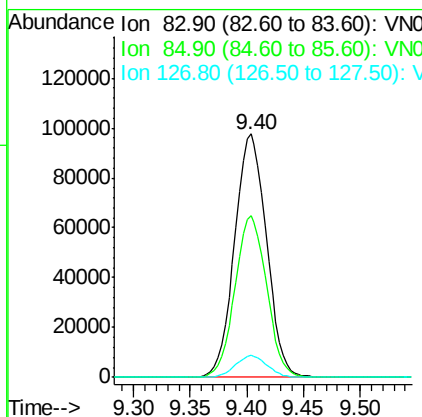
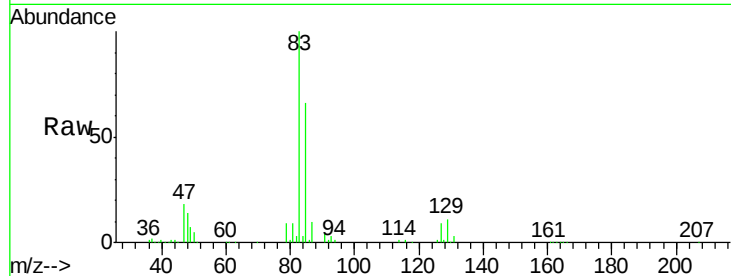
#47
Bromodichloromethane
Concen: 19.65 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.5	75.7
127	9.0	6.8	10.2

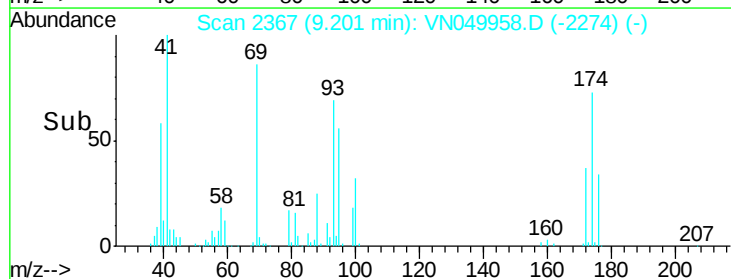
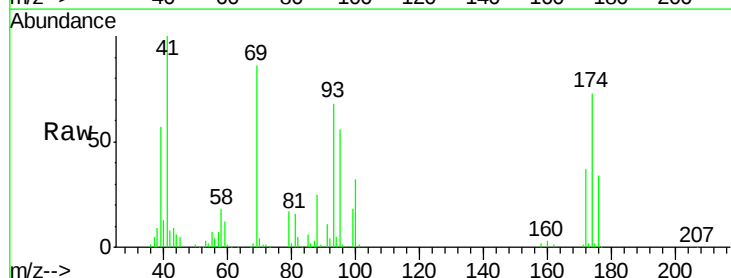
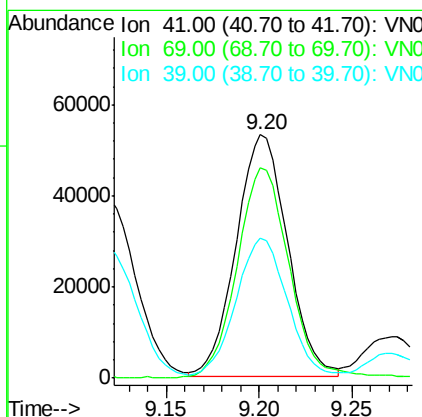
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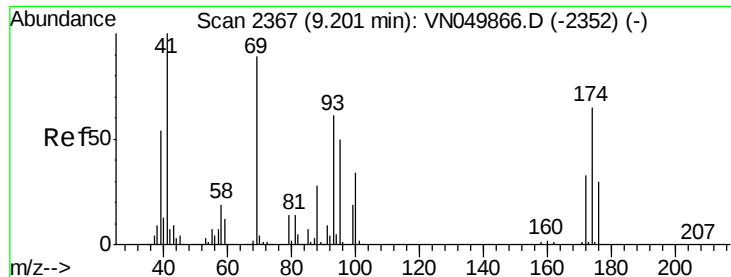
MMDadoda
7/23/2018 2:04:00 PM



#48
Methyl methacrylate
Concen: 18.40 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.6	71.5	107.3
39	57.8	44.7	67.1





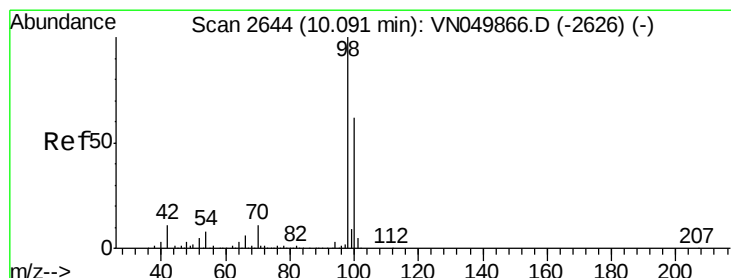
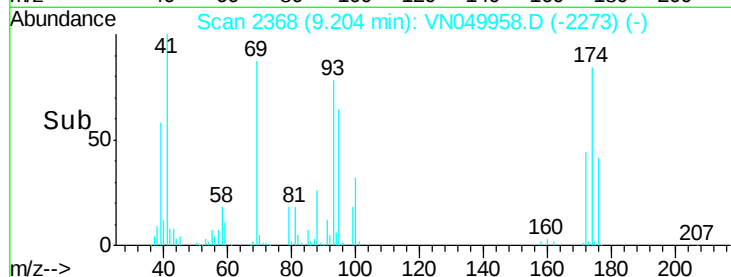
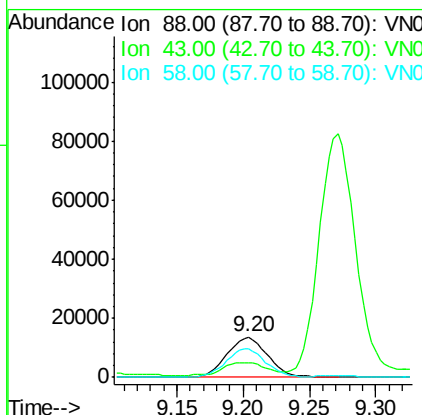
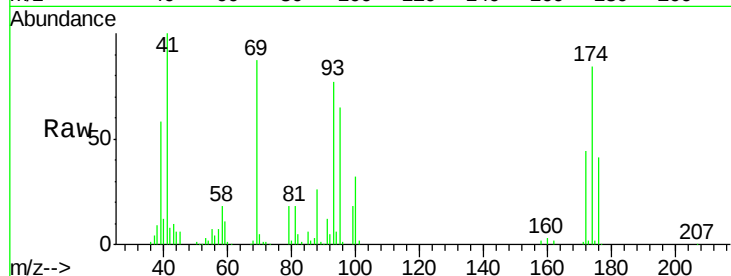
#49
1,4-Dioxane
Concen: 365.95 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	25.1	37.7
58	69.5	52.5	78.7

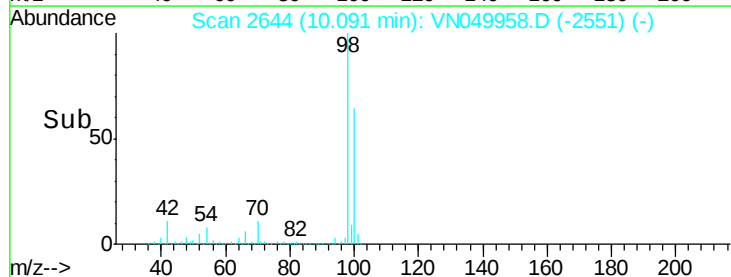
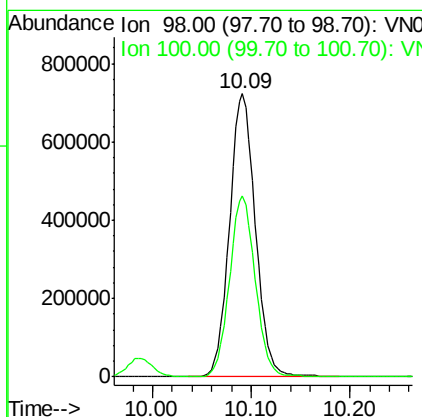
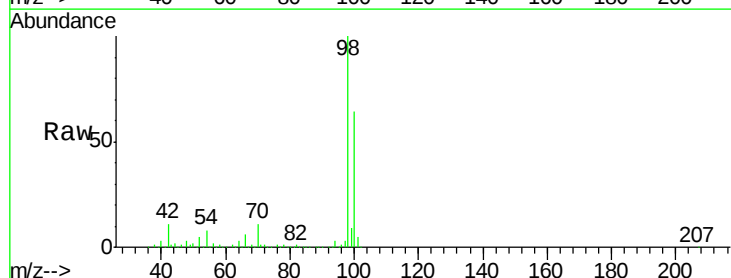
Manual Integrations
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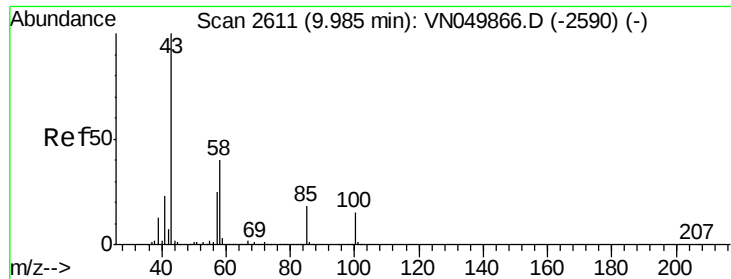
MMDadoda
7/23/2018 2:04:00 PM



#50
Toluene-d8
Concen: 52.01 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.7	77.5





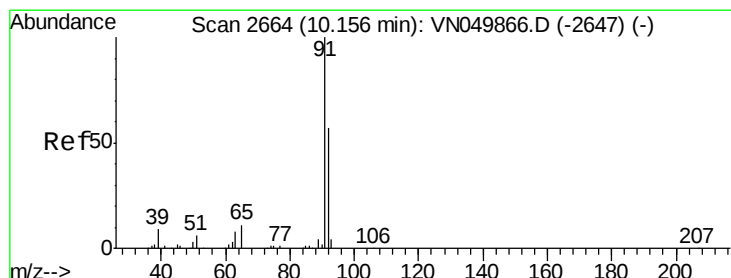
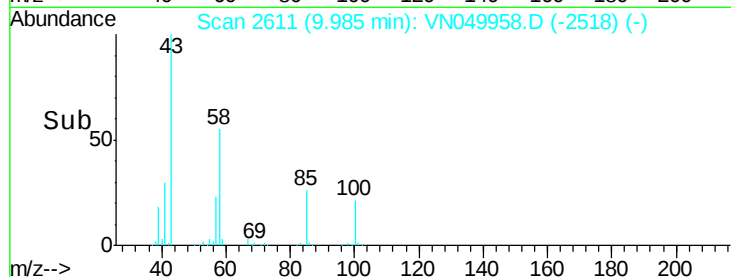
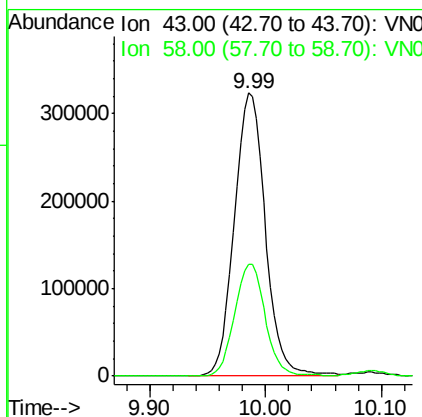
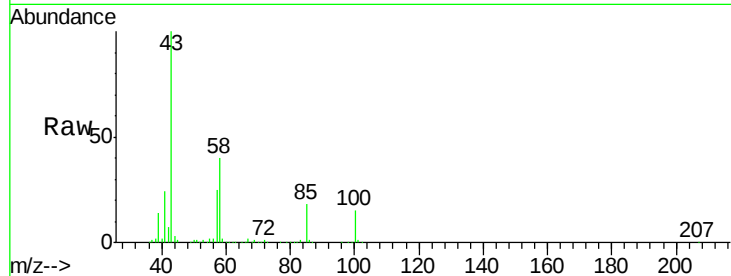
#51
4-Methyl-2-Pentanone
Concen: 95.94 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.8	47.8

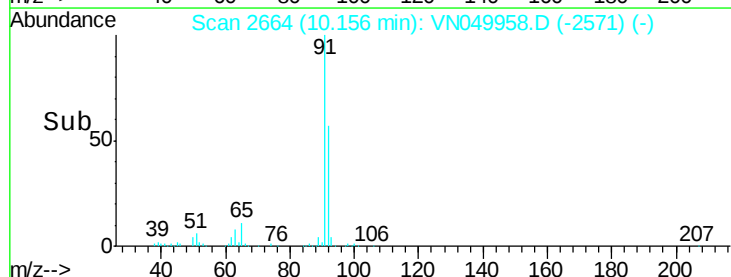
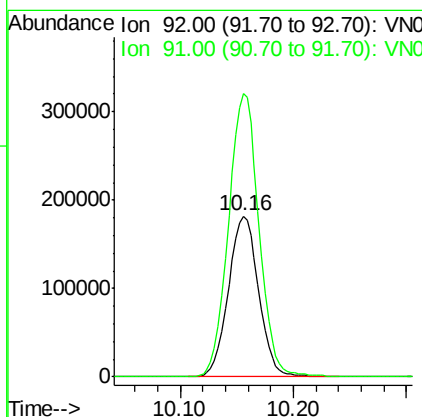
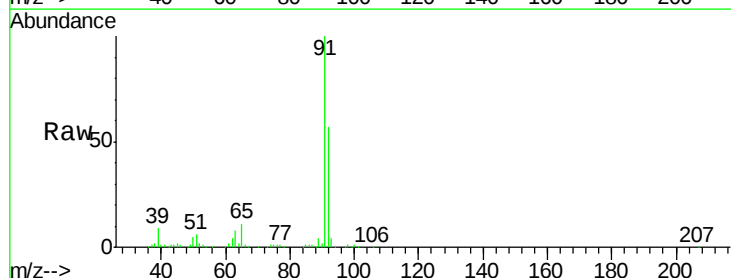
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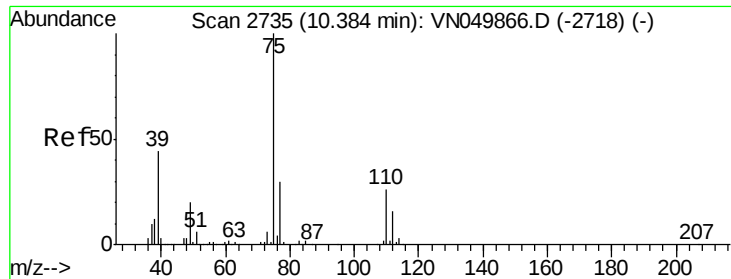
MMDadoda
7/23/2018 2:04:00 PM



#52
Toluene
Concen: 20.06 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.5	140.1	210.1





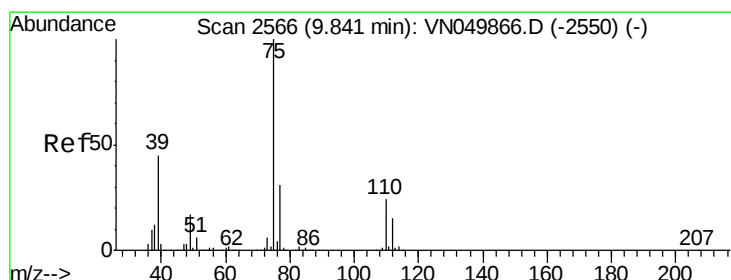
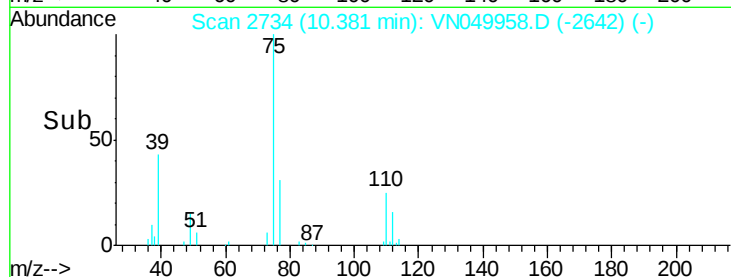
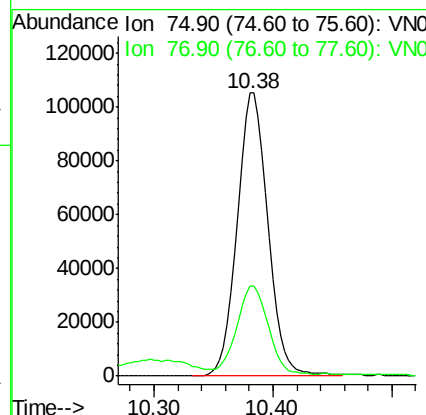
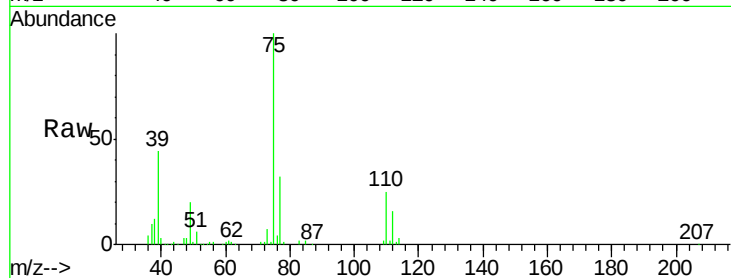
#53
 t-1,3-Dichloropropene
 Concen: 19.51 ug/l
 RT: 10.38 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0720WBS01

Tot Ion: 75 Resp: 188710
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.2 37.8

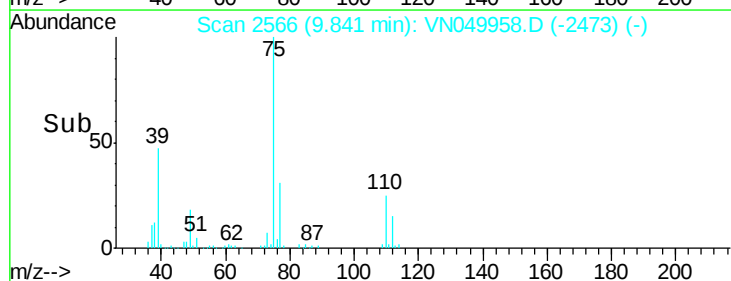
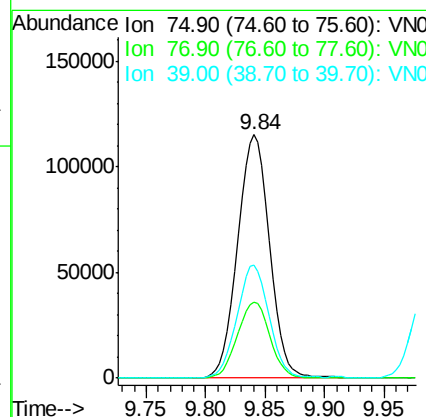
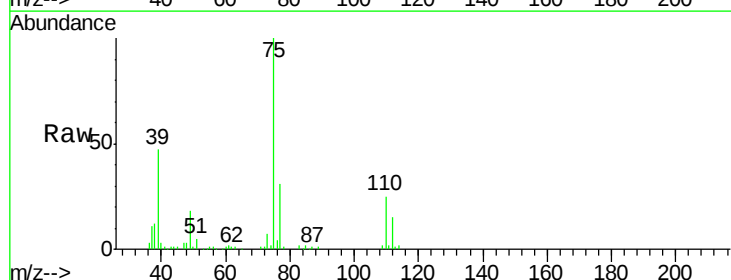
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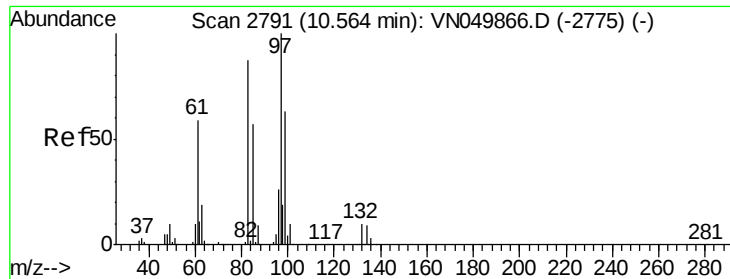
MMDadoda
 7/23/2018 2:04:00 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.12 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion: 75 Resp: 215057
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.3 37.9
 39 46.5 35.5 53.3





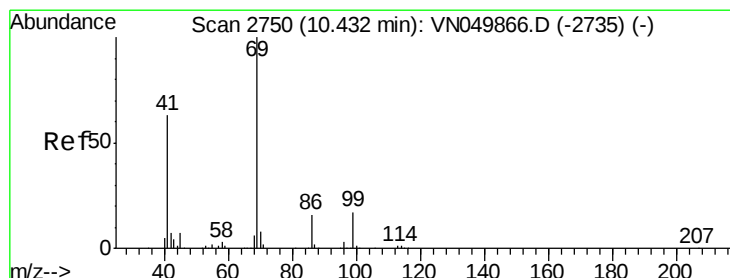
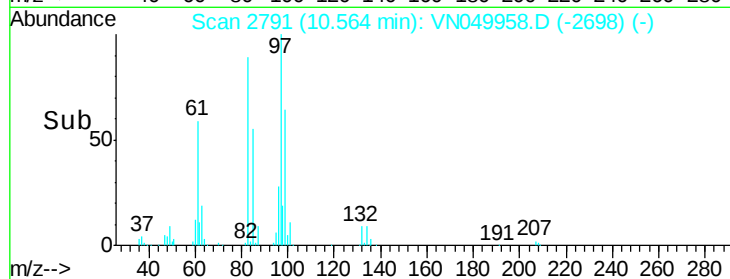
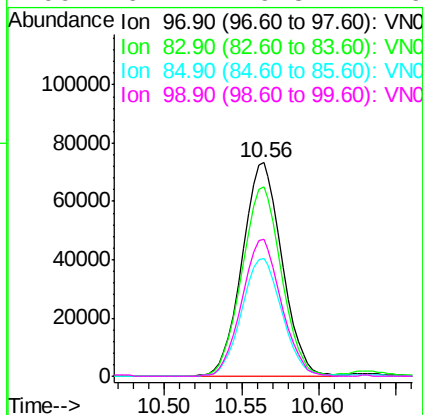
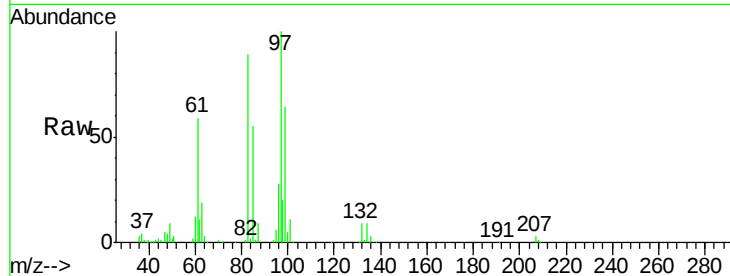
#55
 1,1,2-Trichloroethane
 Concen: 18.88 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0720WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		131532		
83	88.9	69.0	103.6		
85	55.4	44.9	67.3		
99	64.2	49.8	74.6		

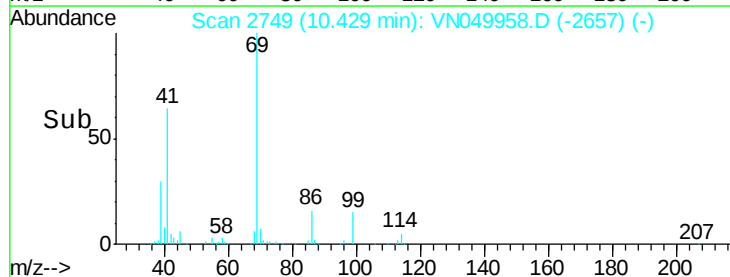
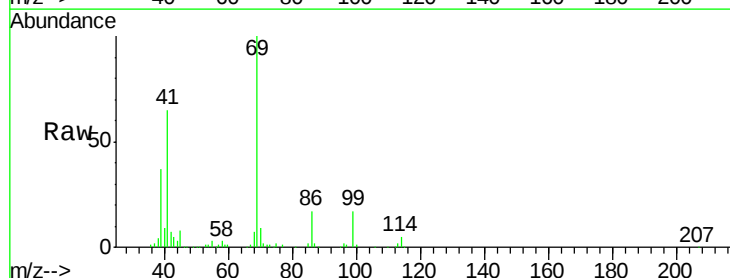
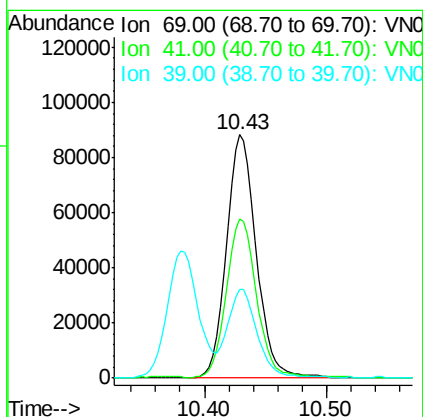
Manual Integrations
 APPROVED

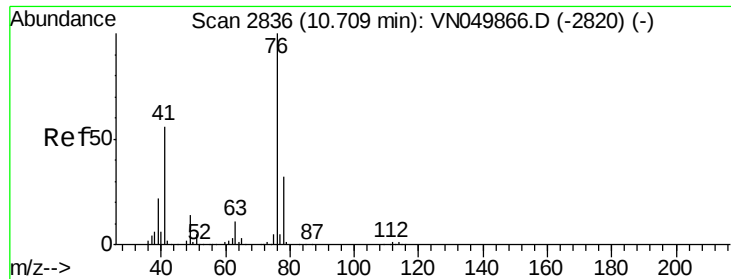
MMDadoda
 7/23/2018 2:04:00 PM



#56
 Ethyl methacrylate
 Concen: 17.60 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		151024		
41	66.0	51.6	77.4		
39	35.7	25.8	38.8		





#57

1,3-Dichloropropane

Concen: 19.54 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS01

Tot Ion: 76 Resp: 214411

Ion Ratio Lower Upper

76 100

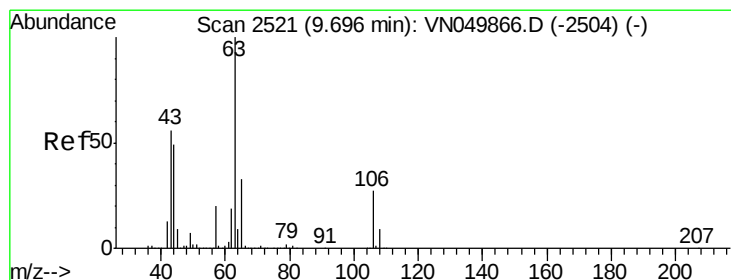
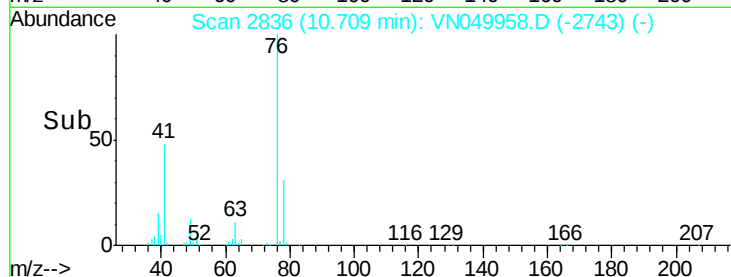
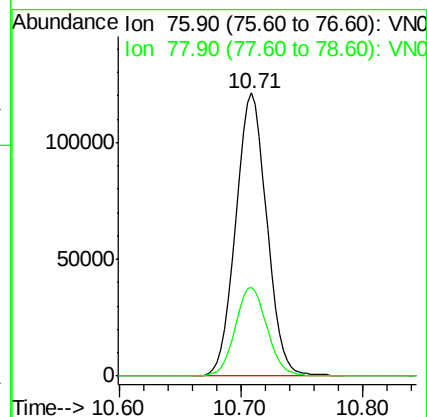
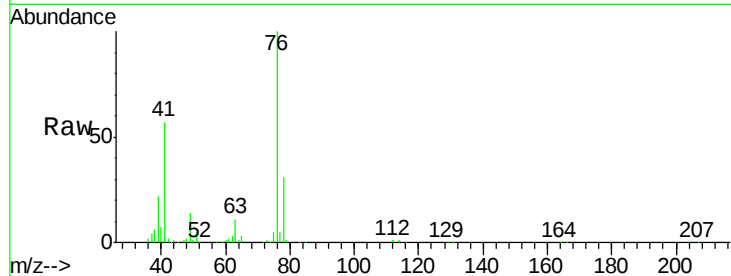
78 32.1 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

7/23/2018 2:04:00 PM



#58

2-Chloroethyl Vinyl ether

Concen: 93.29 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049958.D

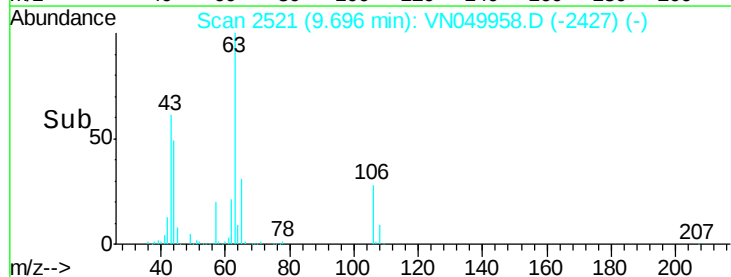
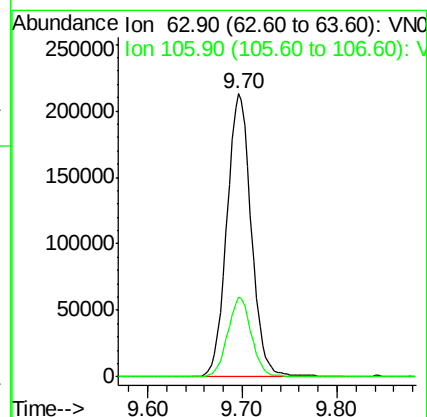
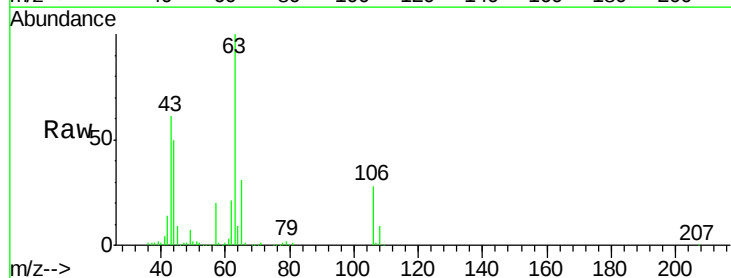
Acq: 20 Jul 2018 13:19

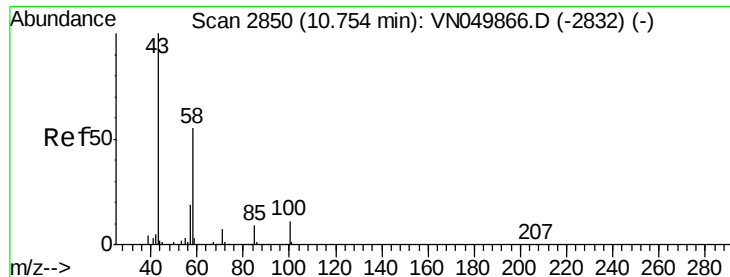
Tgt Ion: 63 Resp: 382311

Ion Ratio Lower Upper

63 100

106 27.4 21.8 32.8





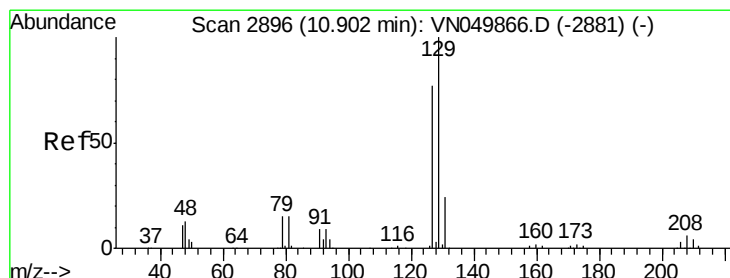
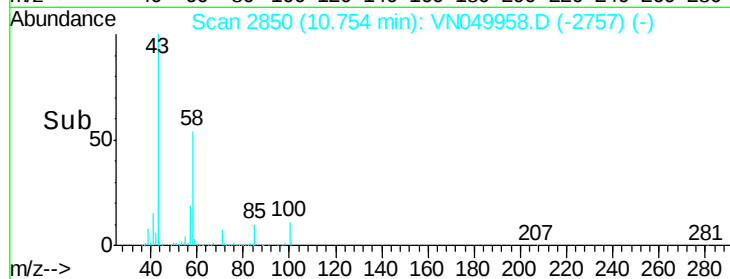
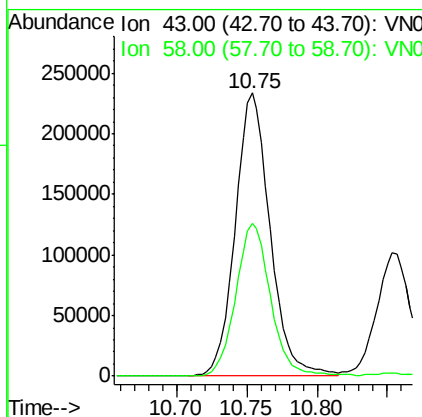
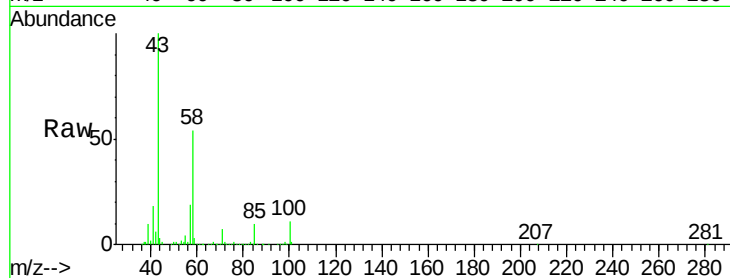
#59
2-Hexanone
Concen: 95.85 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.8	83.4

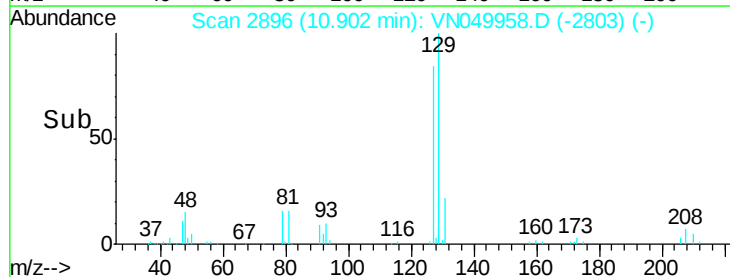
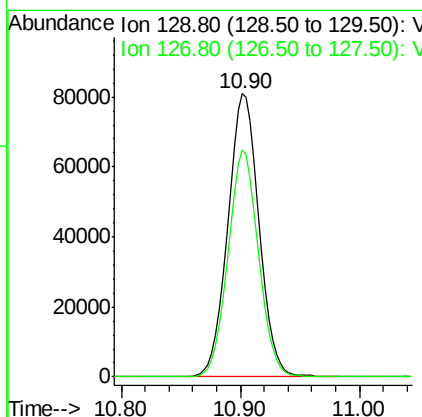
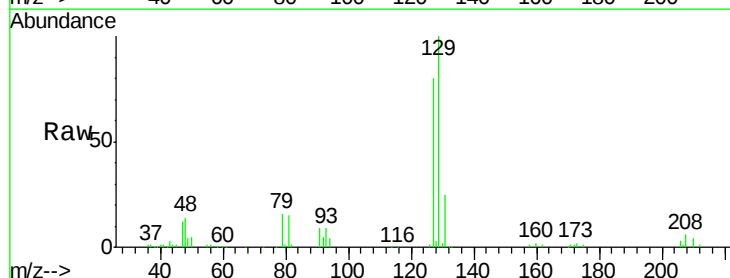
Manual Integrations
APPROVED

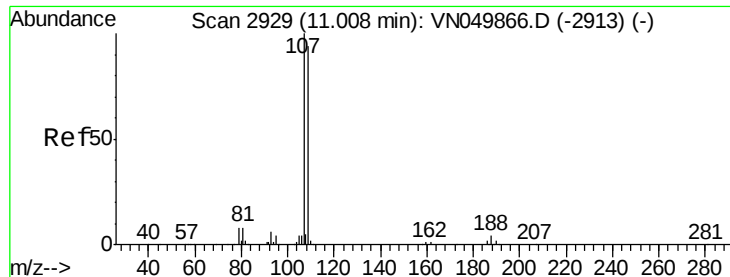
MMDadoda
7/23/2018 2:04:00 PM



#60
Dibromochloromethane
Concen: 19.16 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.3	114.9





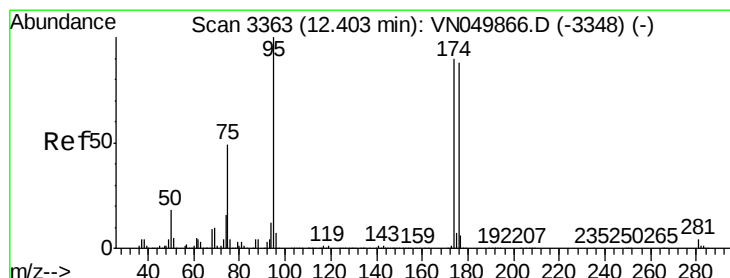
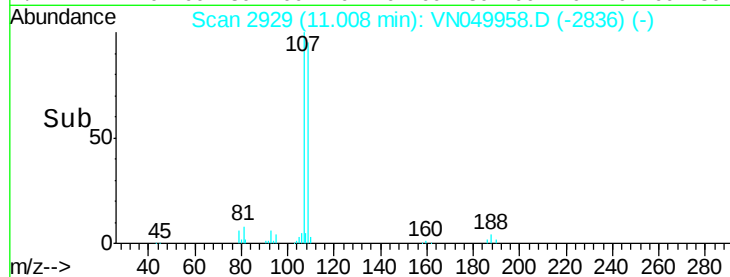
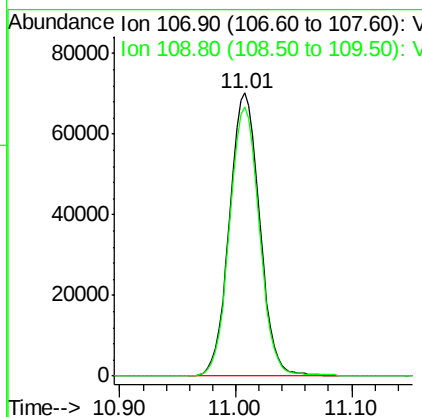
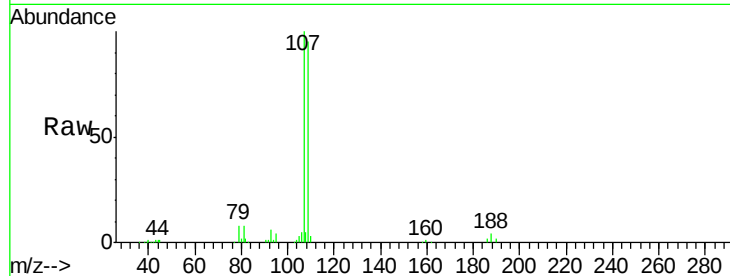
#61
 1,2-Dibromoethane
 Concen: 19.46 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.0	112.6

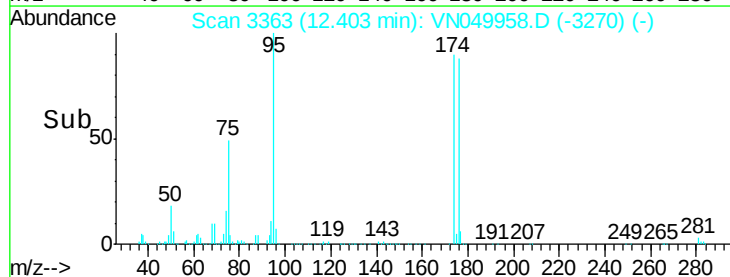
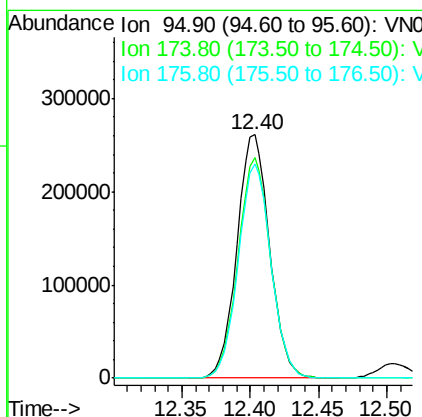
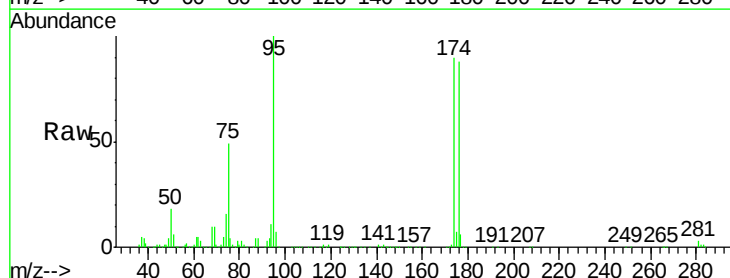
Manual Integrations
 APPROVED

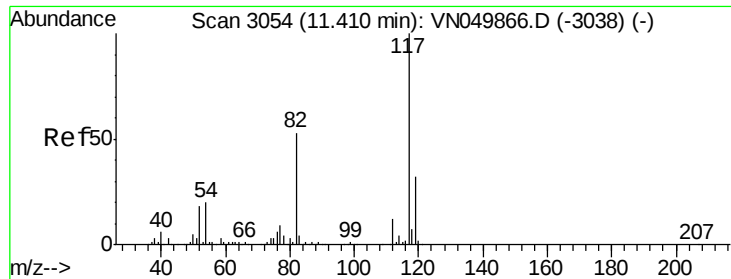
MMDadoda
 7/23/2018 2:04:00 PM



#62
 4-Bromofluorobenzene
 Concen: 49.48 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	179.6
176	87.9	0.0	174.0





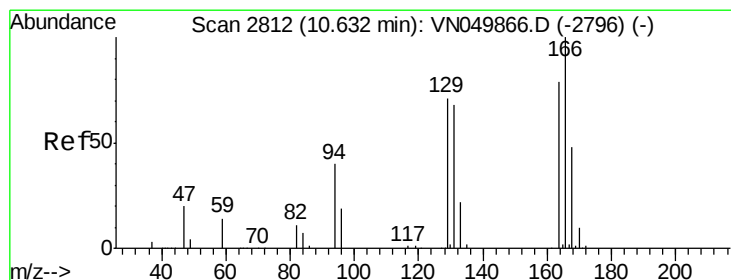
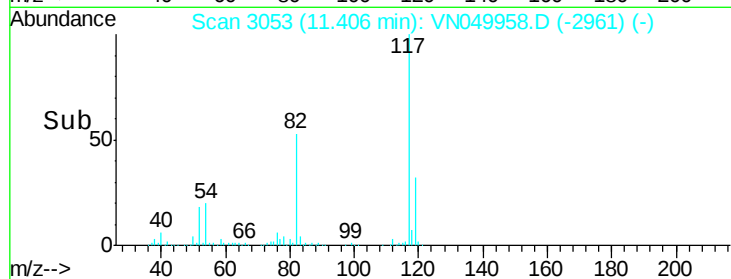
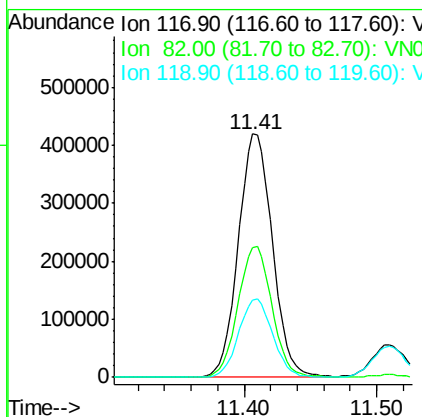
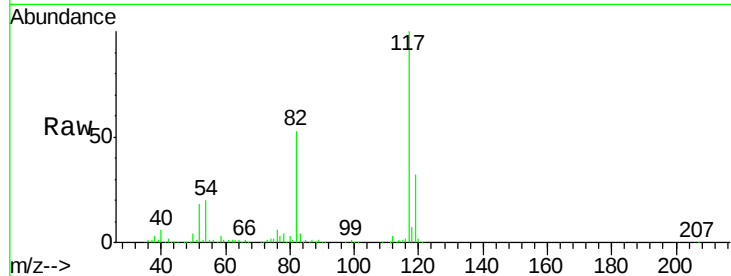
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	41.9	62.9
119	31.6	25.4	38.2

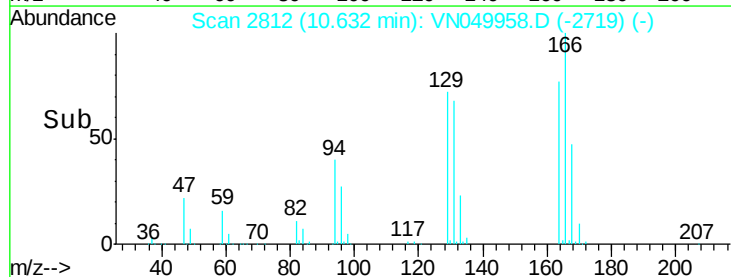
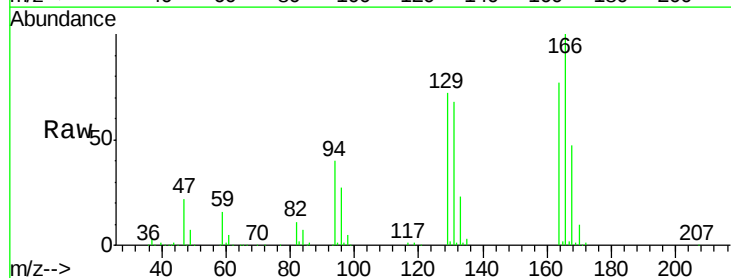
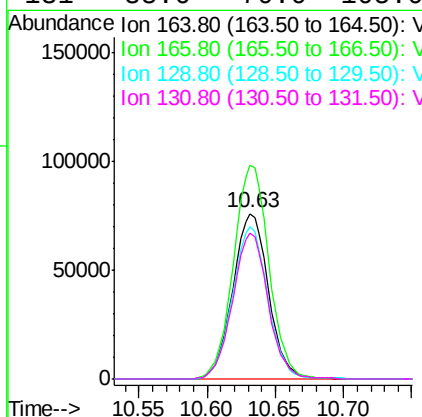
Manual Integrations
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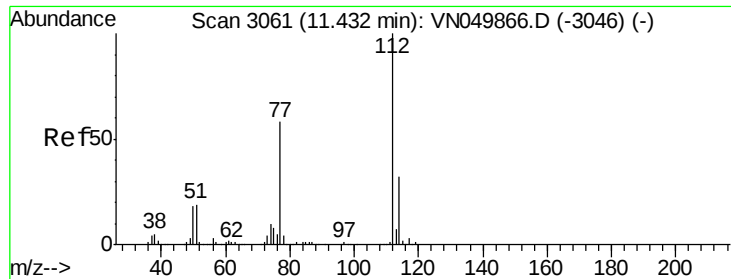
MMDadoda
7/23/2018 2:04:00 PM



#64
Tetrachloroethene
Concen: 20.40 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	101.8	152.6
129	92.6	72.8	109.2
131	88.6	70.0	105.0





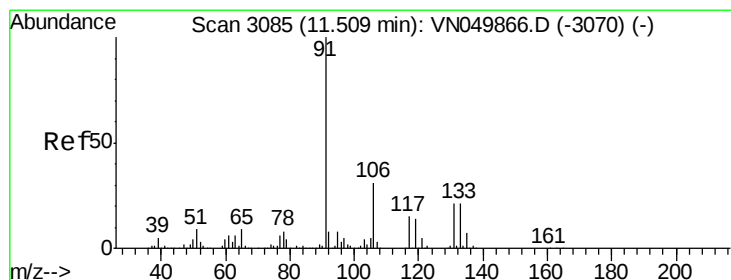
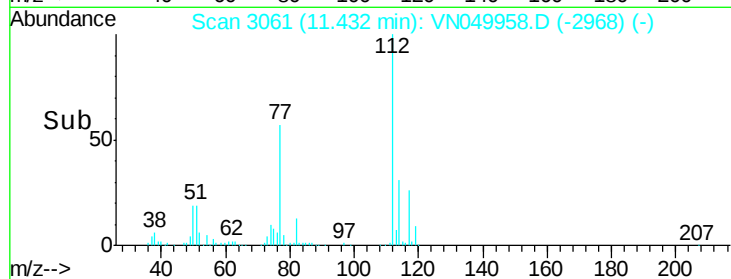
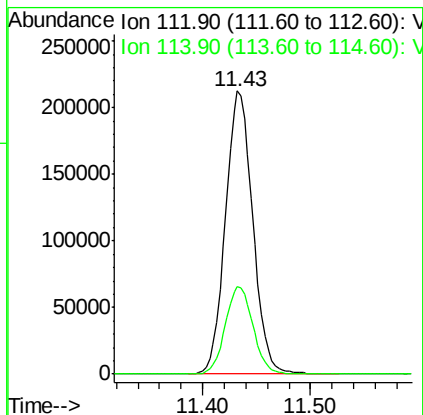
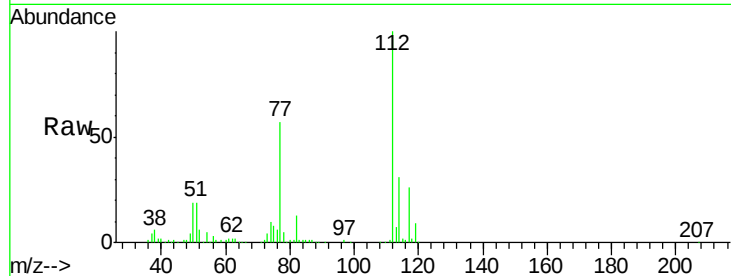
#65
Chlorobenzene
Concen: 19.90 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.4	38.0

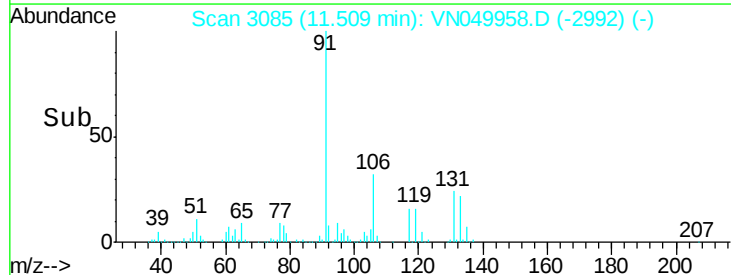
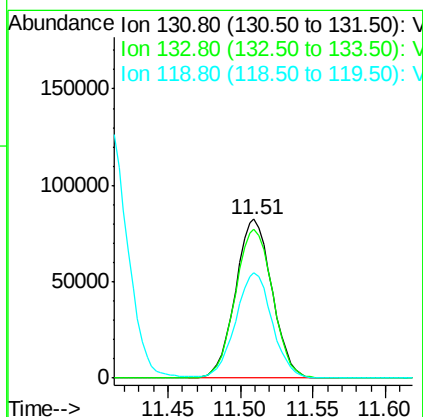
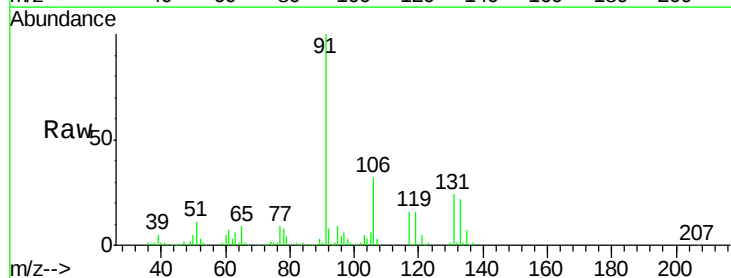
Manual Integrations
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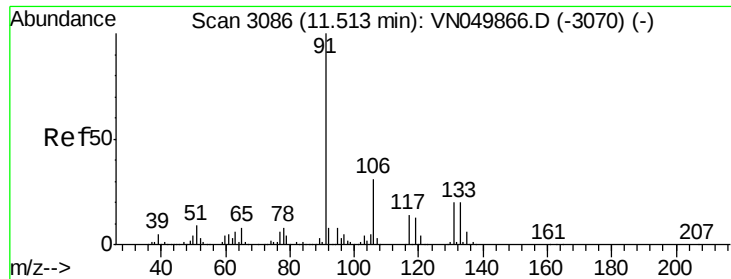
MMDadoda
7/23/2018 2:04:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.75 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.5	142.6
119	66.2	33.1	99.3





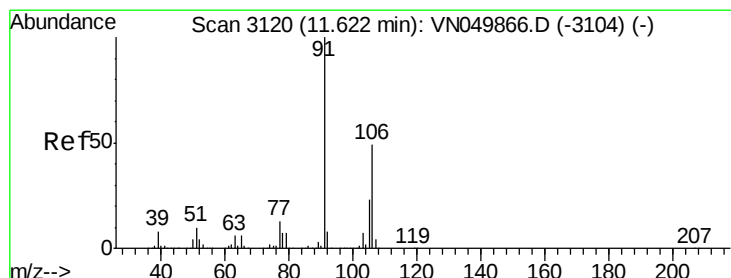
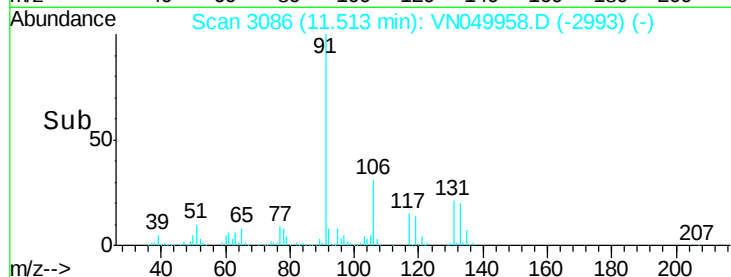
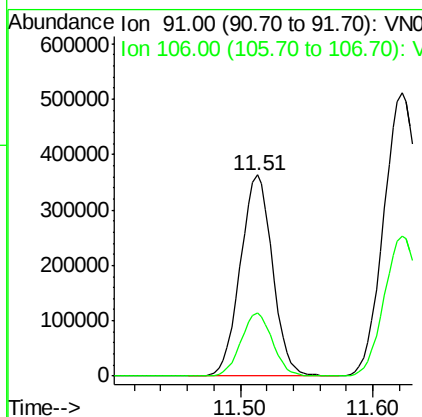
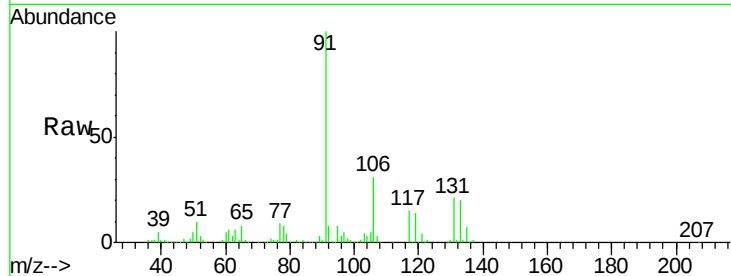
#67
Ethyl Benzene
Concen: 19.96 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampled :
VN0720WBS01

Tot Ion: 91 Resp: 610563
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2

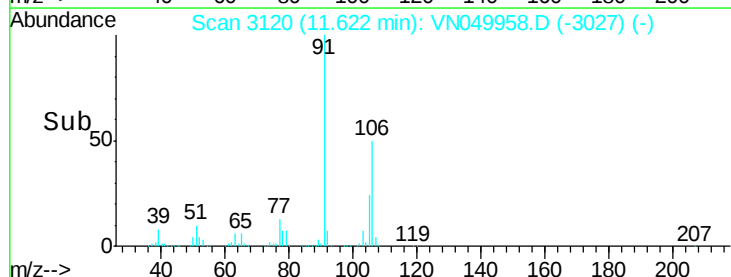
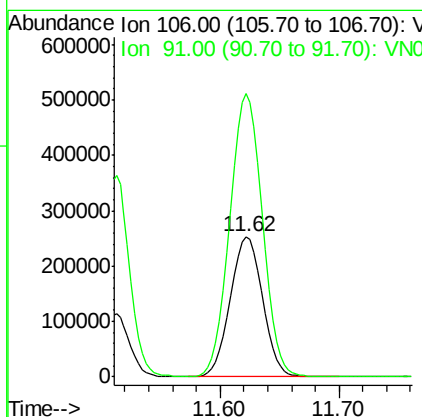
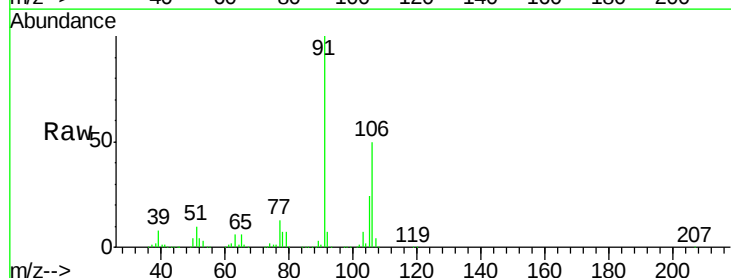
Manual Integrations
APPROVED

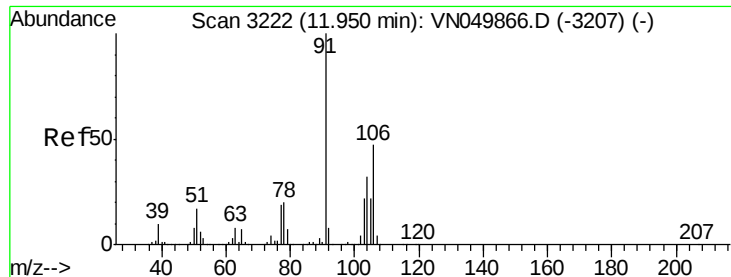
MMDadoda
7/23/2018 2:04:00 PM



#68
m/p-Xylenes
Concen: 41.20 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion: 106 Resp: 476973
Ion Ratio Lower Upper
106 100
91 204.1 163.4 245.2





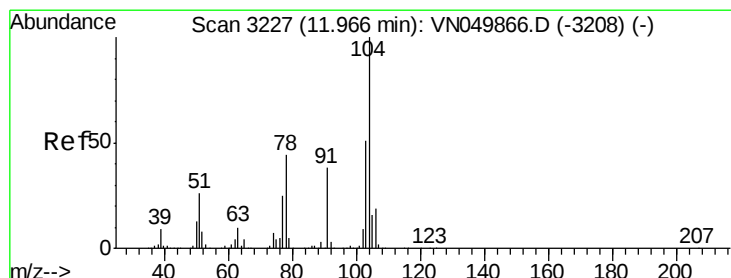
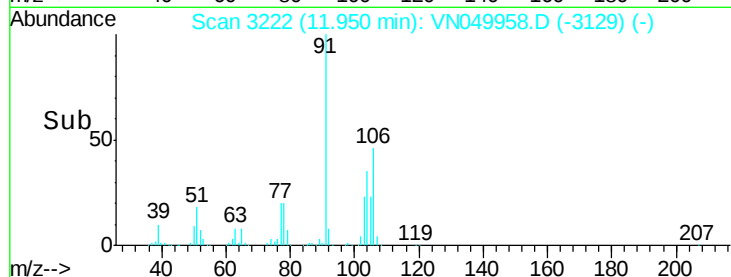
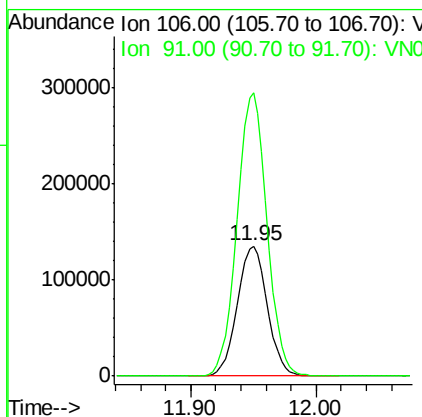
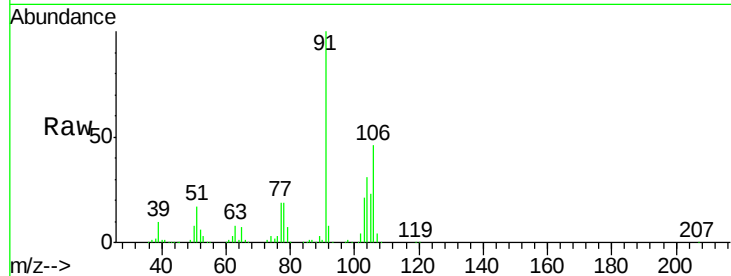
#69
o-Xylene
Concen: 20.21 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampled :
VN0720WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.9	108.7	326.1	

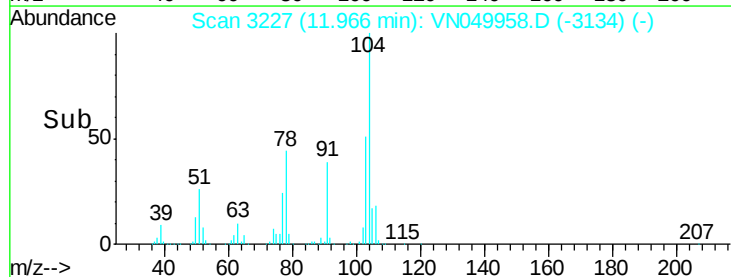
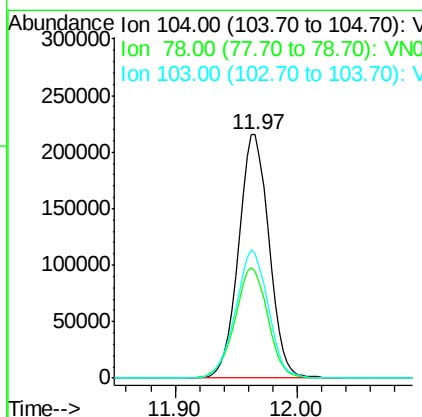
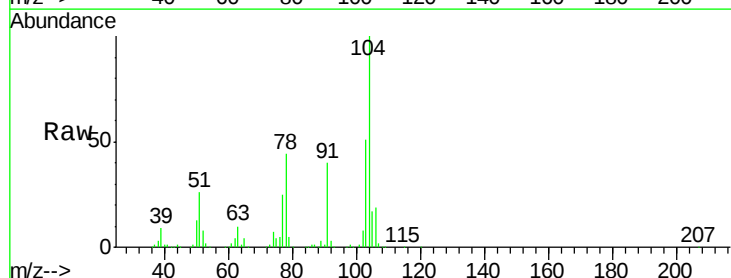
Manual Integrations
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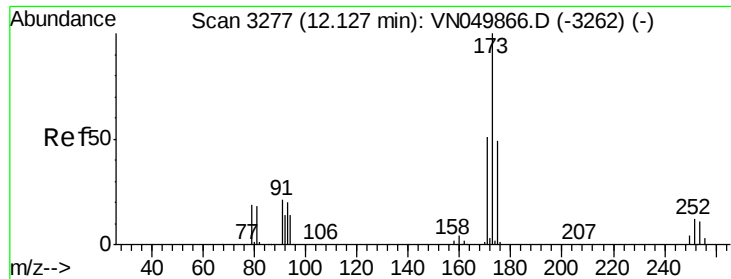
MMDadoda
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#70
Styrene
Concen: 20.60 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.1	39.2	58.8	
103	56.5	44.6	67.0	





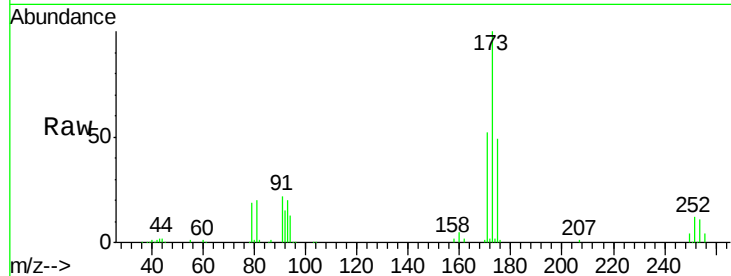
#71
Bromoform
Concen: 19.41 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

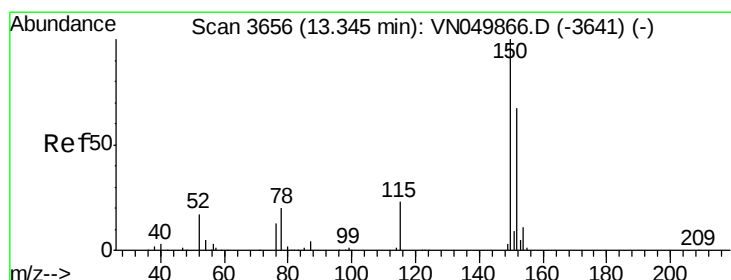
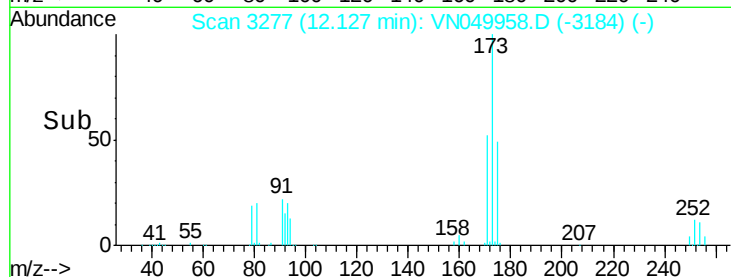
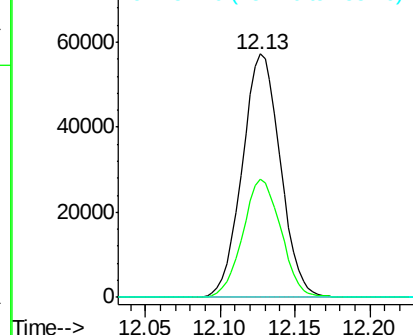
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.8
254	0.0	0.2	0.2

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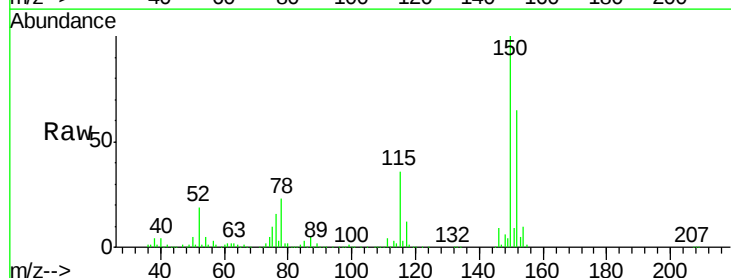


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

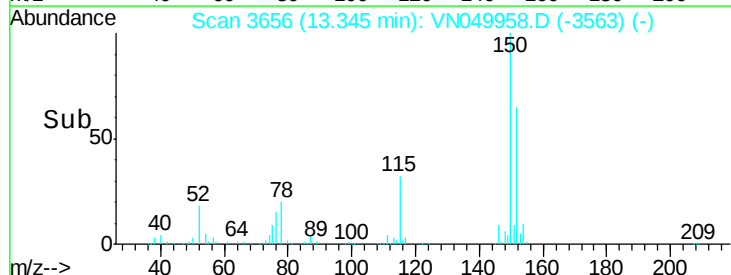
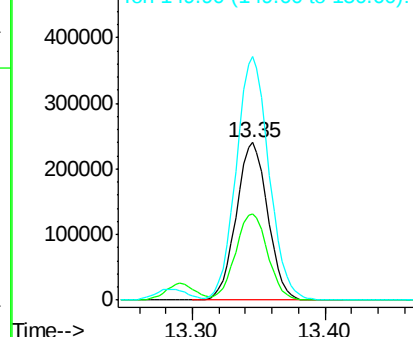


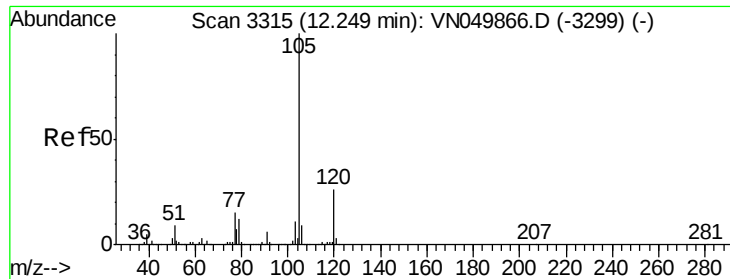
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.1	84.2
150	161.2	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: 20.31 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

Tot Ion:105 Resp: 610436

Ion Ratio Lower Upper

105 100

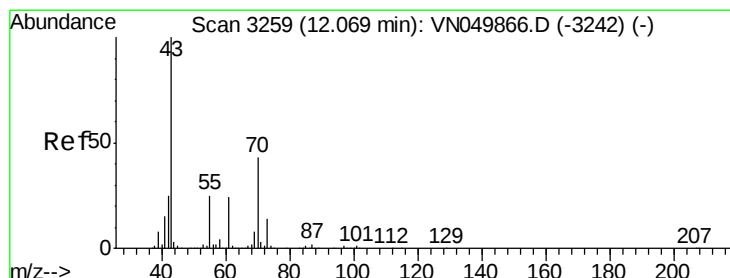
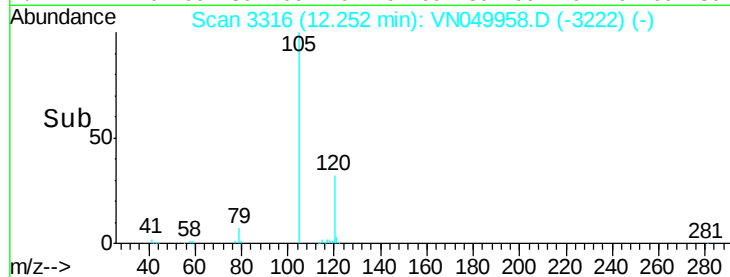
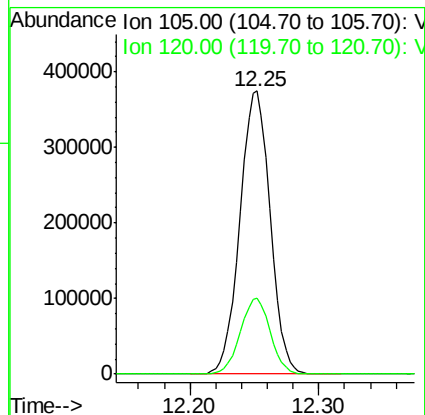
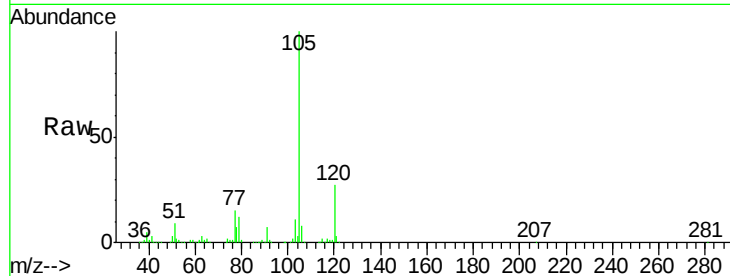
120 26.4 13.3 39.8

Manual Integrations

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7/23/2018 2:04:00 PM



#74

N-ethyl acetate

Concen: 18.25 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Tgt Ion: 43 Resp: 166917

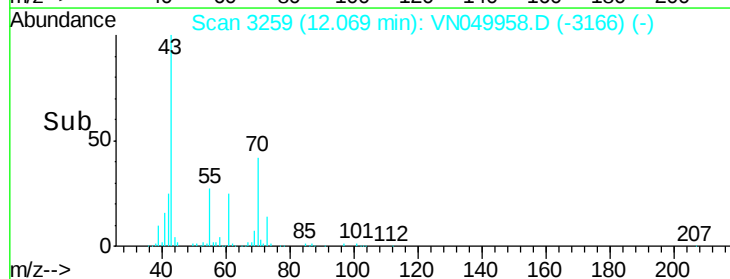
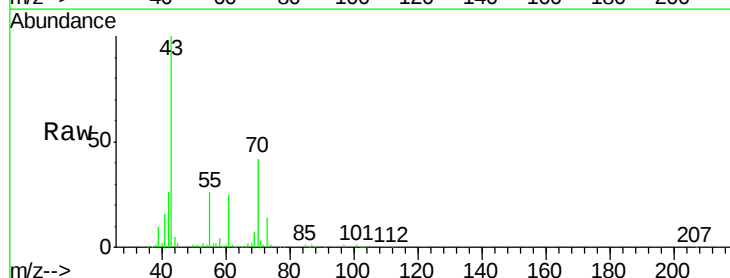
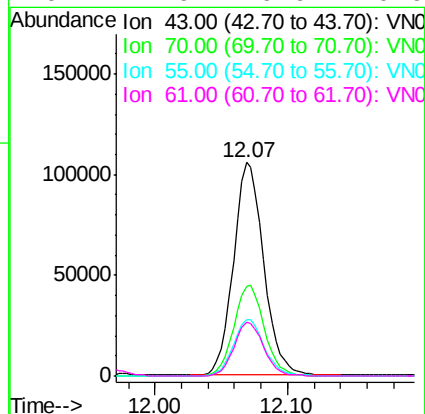
Ion Ratio Lower Upper

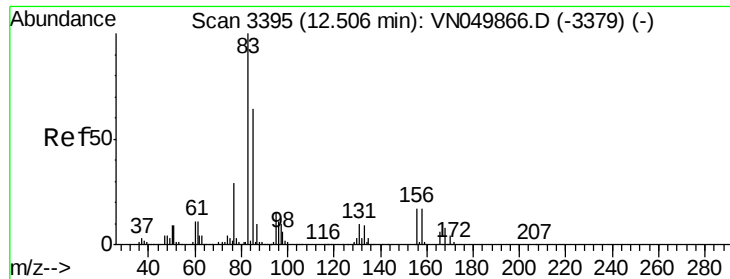
43 100

70 43.3 34.8 52.2

55 27.4 20.9 31.3

61 24.9 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.64 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS01

Tot Ion: 83 Resp: 167852
Ion Ratio Lower Upper

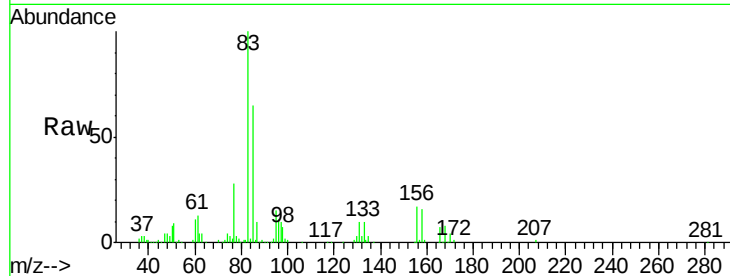
83 100

131 10.2 5.2 15.6

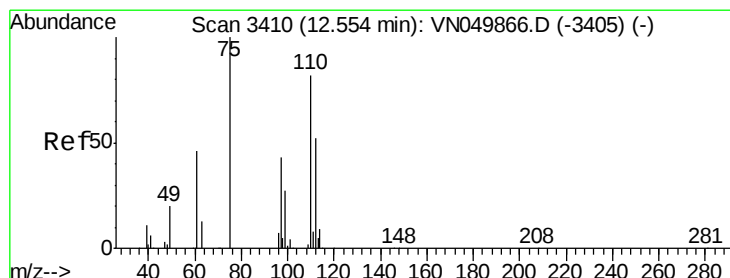
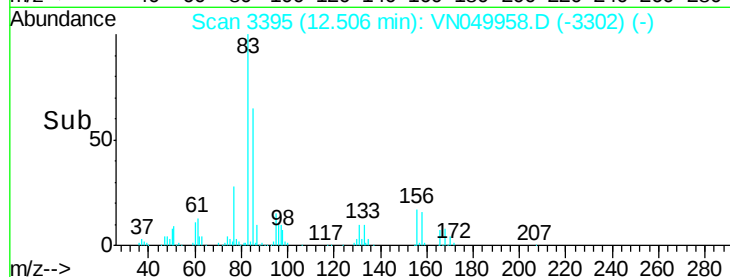
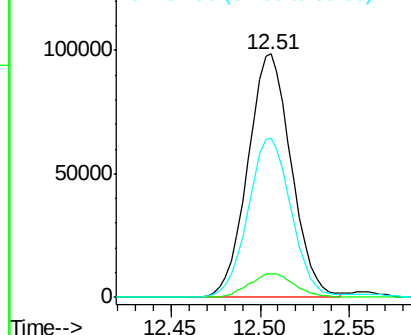
85 64.9 32.5 97.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 18.89 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

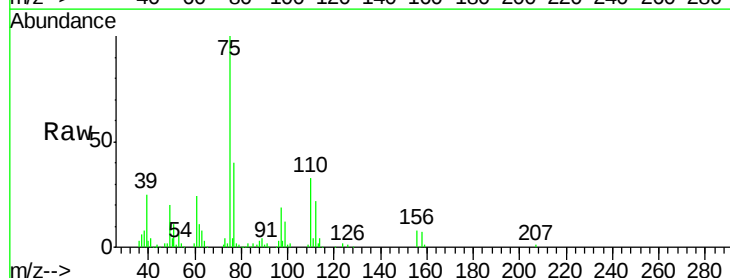
Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

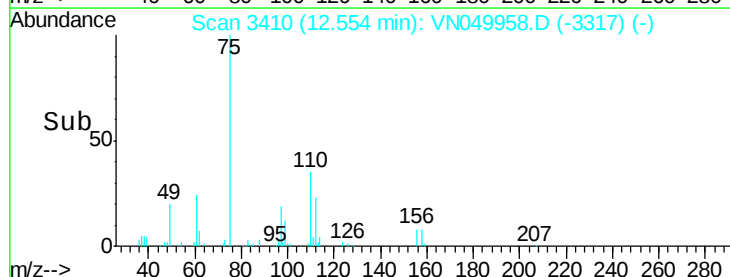
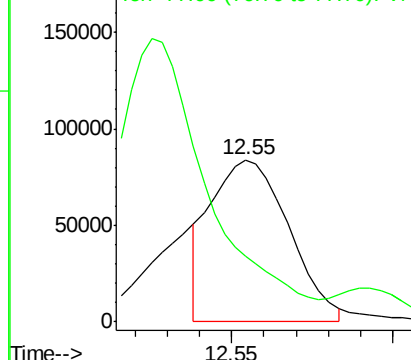
Tgt Ion: 75 Resp: 140201
Ion Ratio Lower Upper

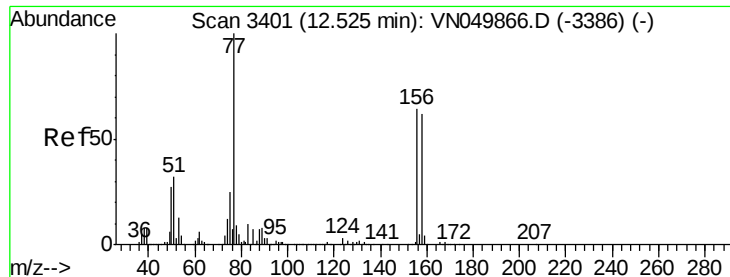
75 100

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





#77

Bromobenzene

Concen: 19.91 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

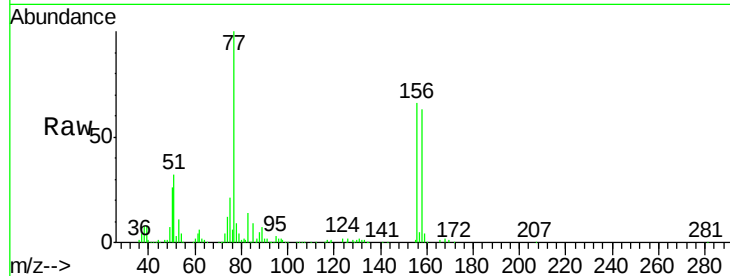
ClientSampleId :

VN0720WBS01

Tot Ion:	156	Resp:	165197
Ion Ratio	Lower	Upper	
156	100		
77	179.3	90.2	270.6
158	96.8	49.1	147.3

Manual Integrations
APPROVED

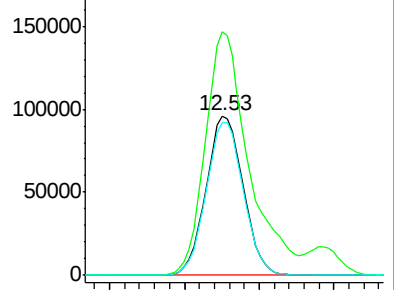
MMDadoda
7/23/2018 2:04:00 PM



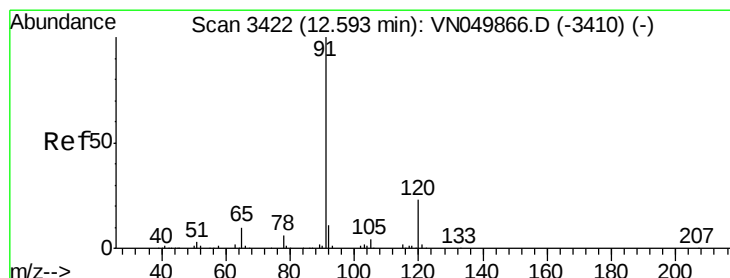
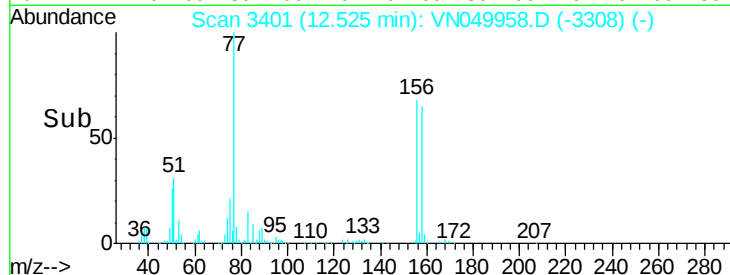
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 20.71 ug/l

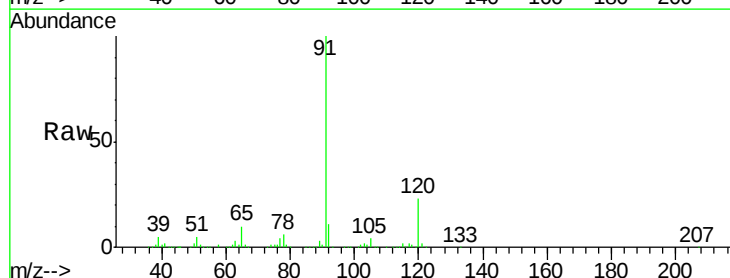
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049958.D

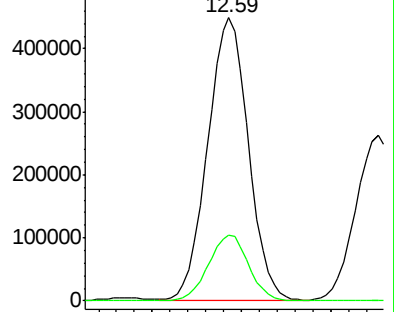
Acq: 20 Jul 2018 13:19

Tgt Ion:	91	Resp:	707604
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.4

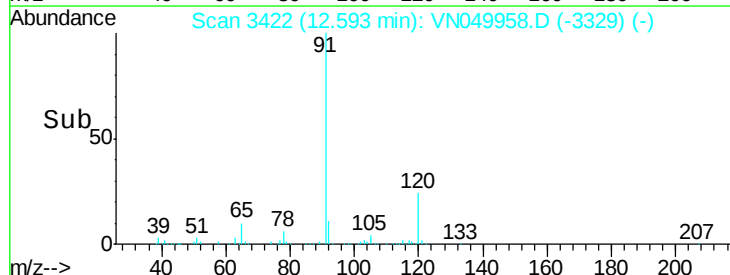


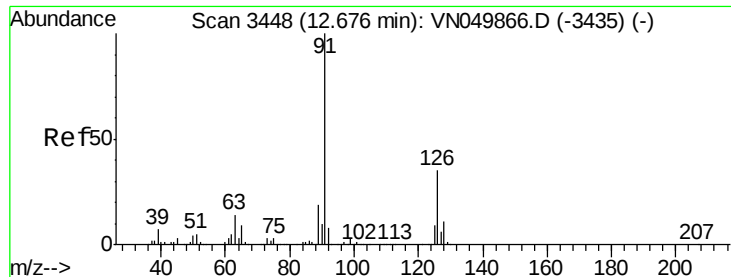
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 20.63 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS01

Tot Ion: 91 Resp: 432807

Ion Ratio Lower Upper

91 100

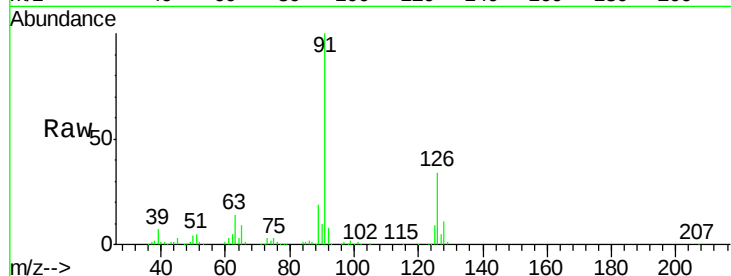
126 34.9 17.5 52.5

Manual Integrations

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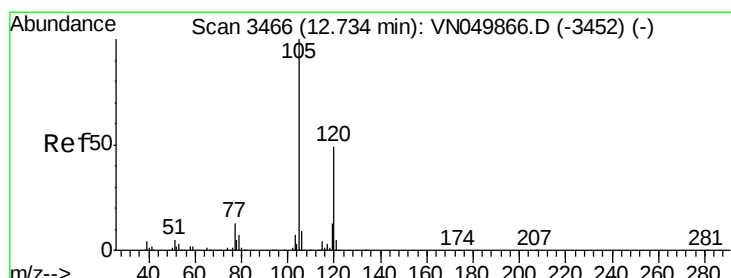
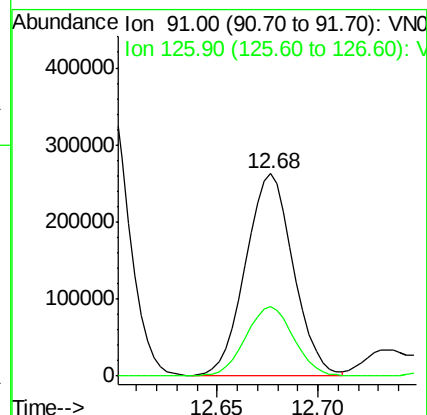
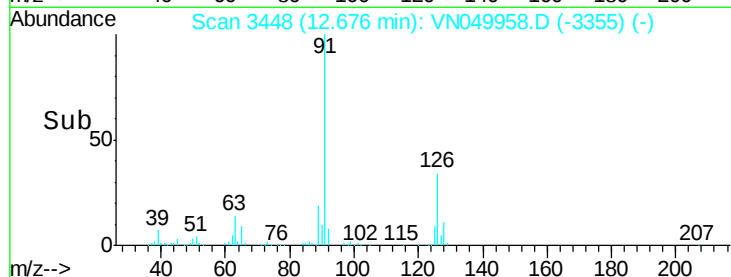
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Abundance Ion 91.00 (90.70 to 91.70): VN049958.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN049958.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.06 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049958.D

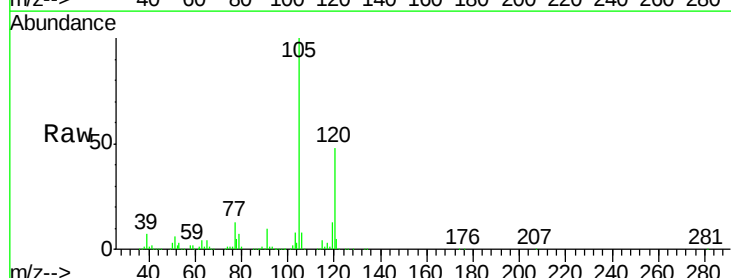
Acq: 20 Jul 2018 13:19

Tgt Ion: 105 Resp: 507252

Ion Ratio Lower Upper

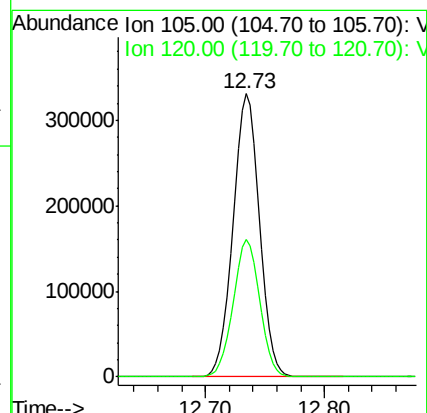
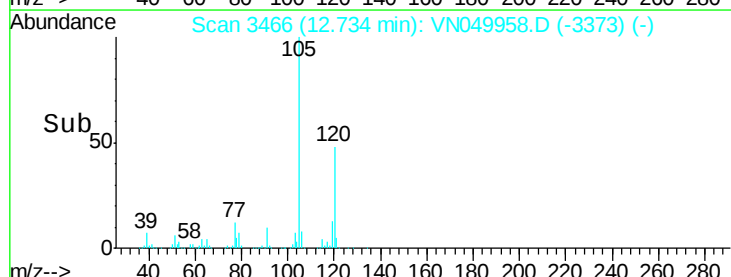
105 100

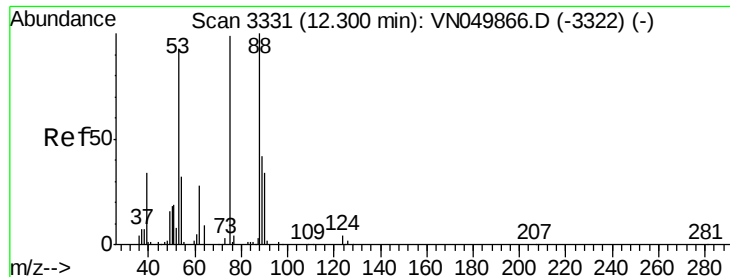
120 48.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049958.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049958.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.22 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

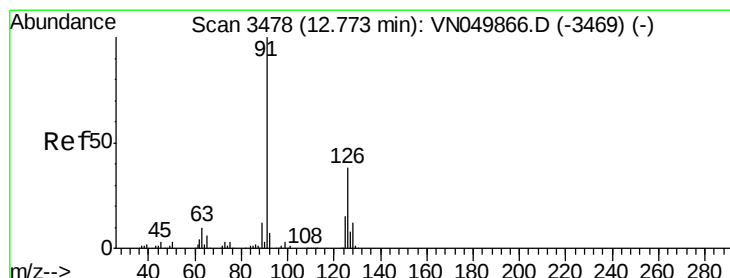
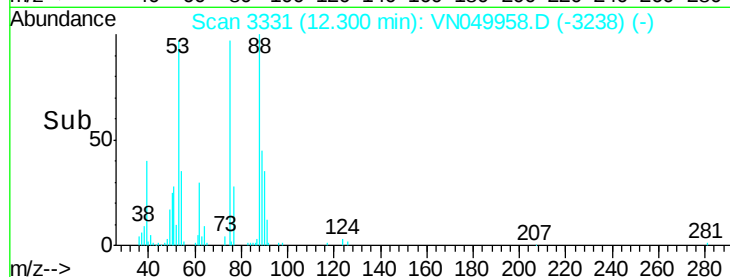
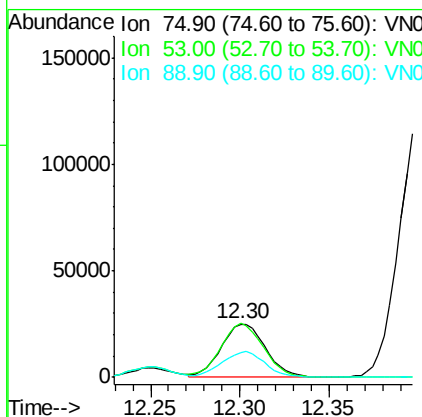
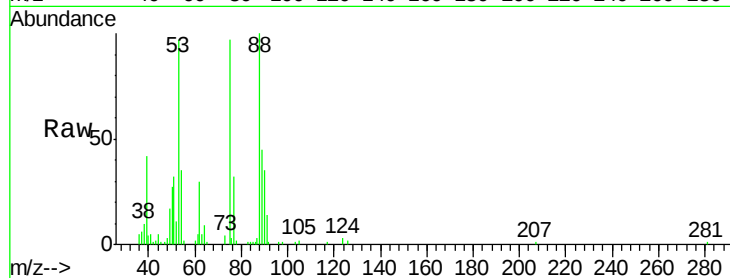
ClientSampled :

VN0720WBS01

Tot Ion:	75	Resp:	43244
Ion	Ratio	Lower	Upper
75	100		
53	98.2	73.9	110.9
89	46.6	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.68 ug/l

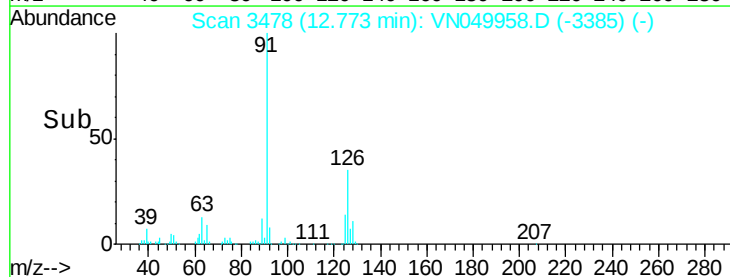
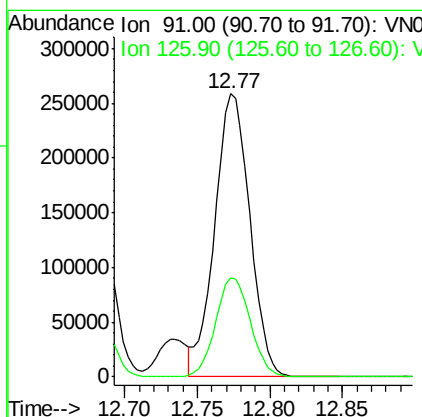
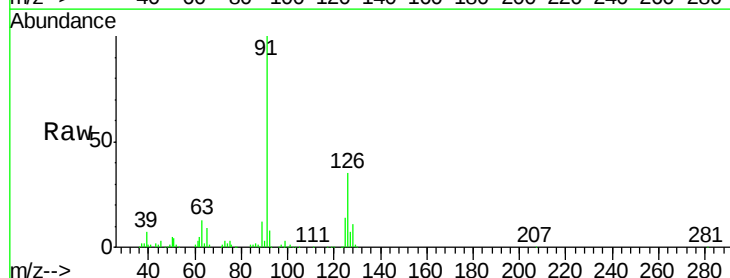
RT: 12.77 min Scan# 3478

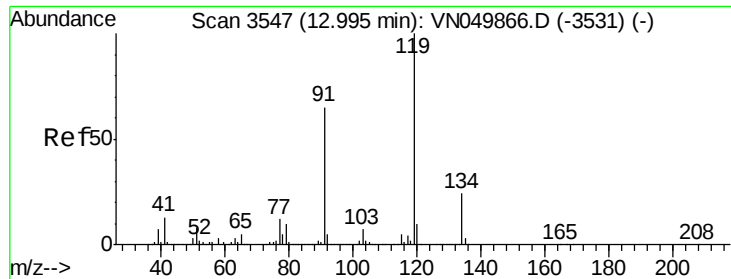
Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Tgt Ion:	91	Resp:	435219
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.2	51.6





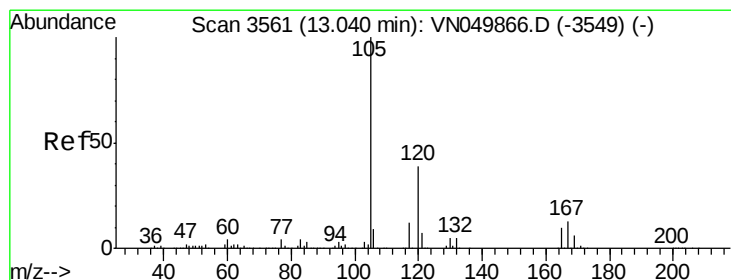
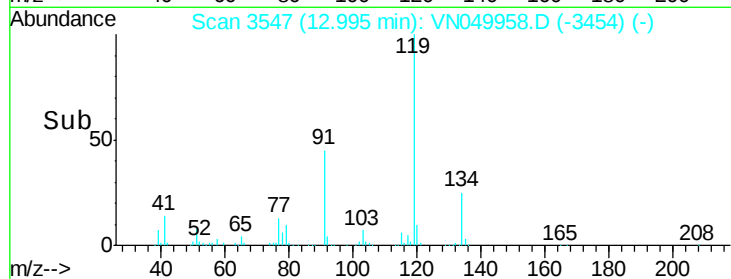
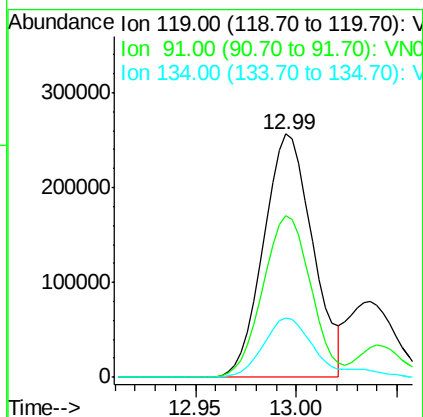
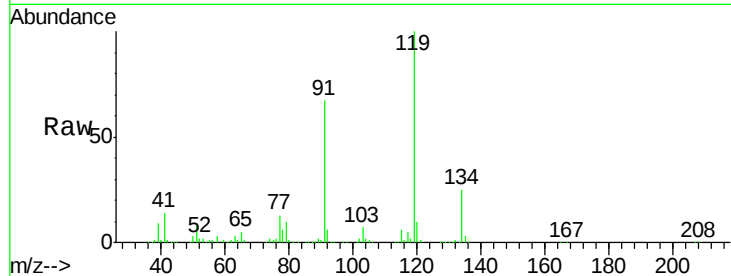
#83
 tert-Butylbenzene
 Concen: 20.58 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.0	96.2
134	24.1	12.8	38.4

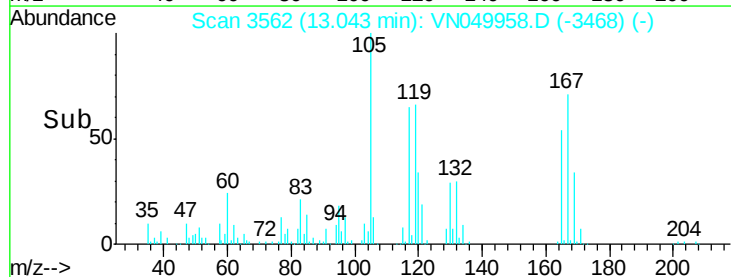
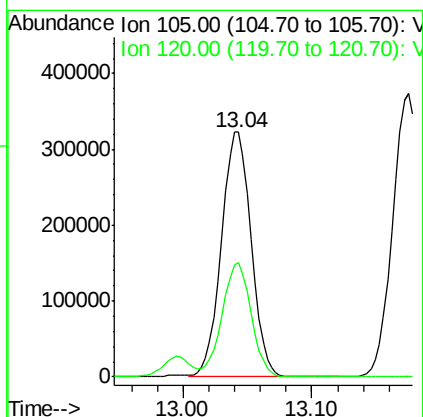
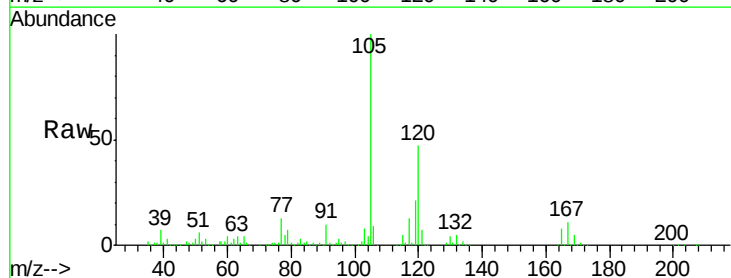
Manual Integrations
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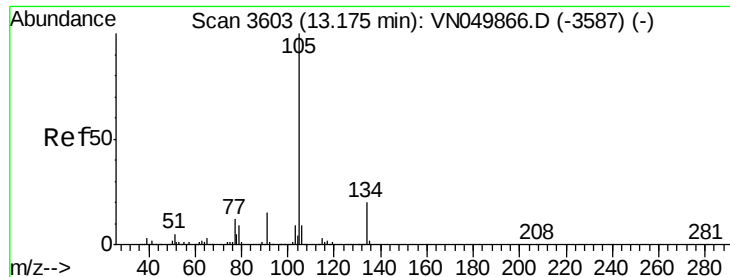
MMDadoda
 7/23/2018 2:04:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.13 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.1





#85

sec-Butylbenzene

Concen: 21.10 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

Tot Ion:105 Resp: 589933

Ion Ratio Lower Upper

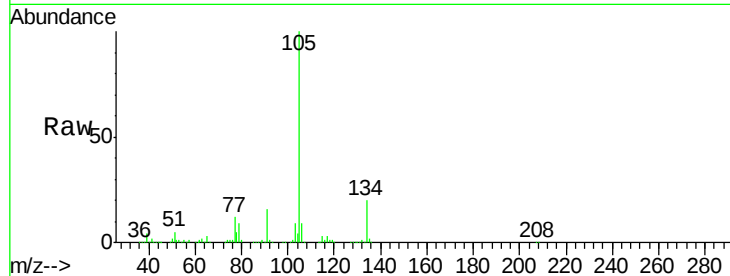
105 100

134 20.1 10.1 30.1

Manual Integrations
APPROVED

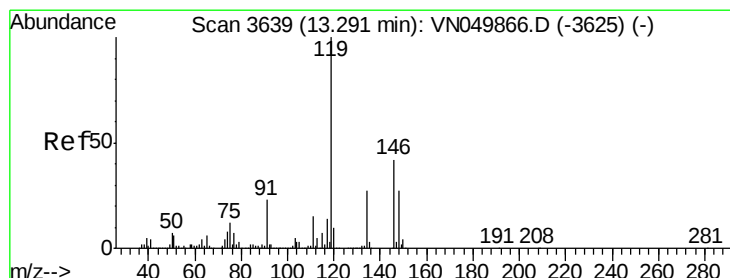
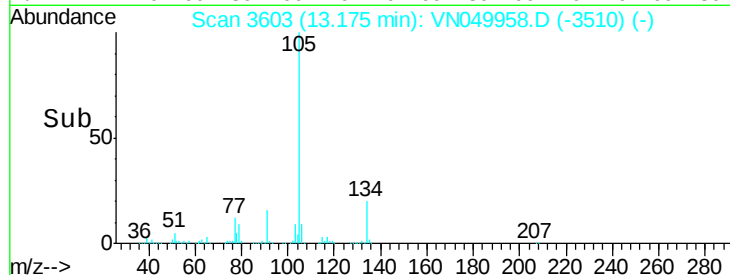
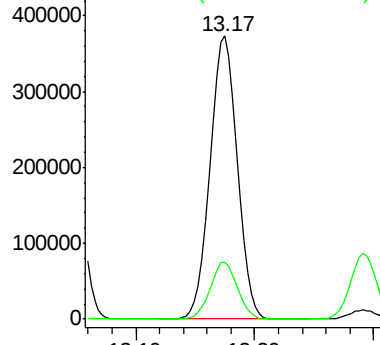
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.15 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

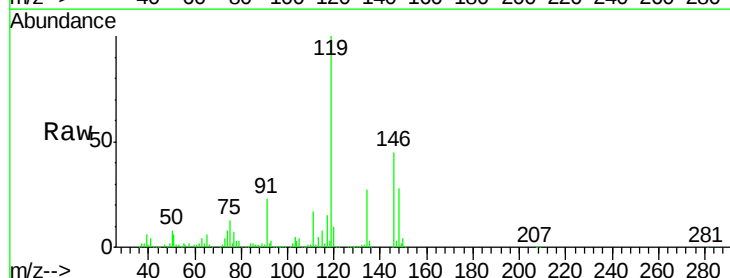
Tgt Ion:119 Resp: 503911

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

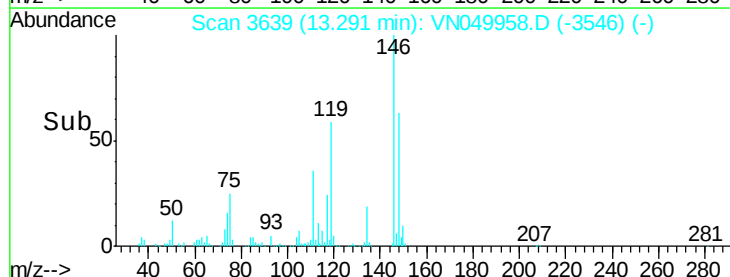
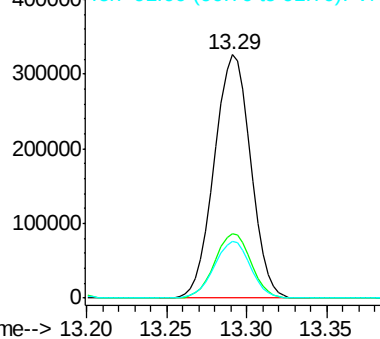
91 23.4 11.4 34.1

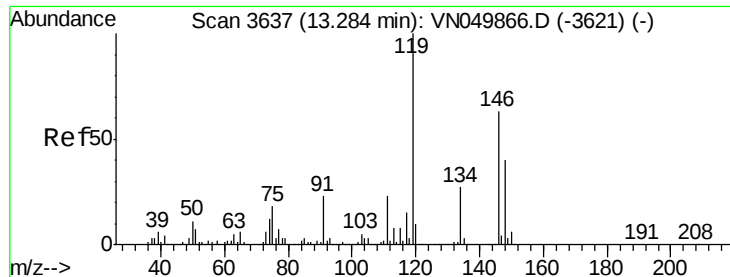


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





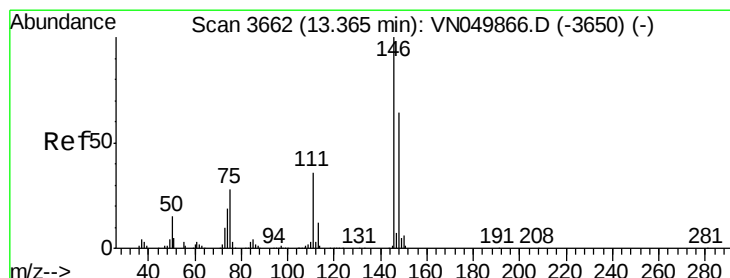
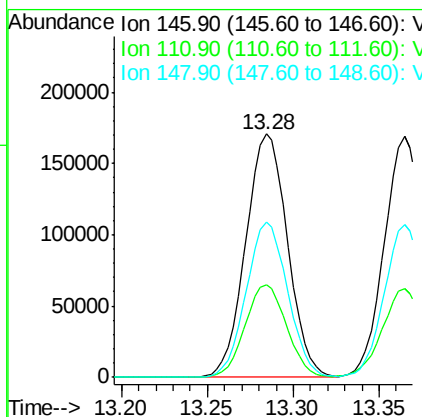
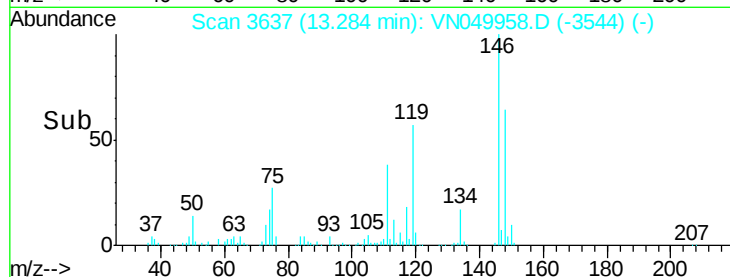
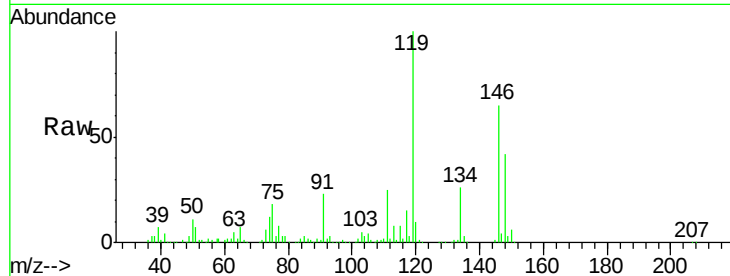
#87
 1,3-Dichlorobenzene
 Concen: 19.92 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.0	57.0
148	63.3	32.5	97.5

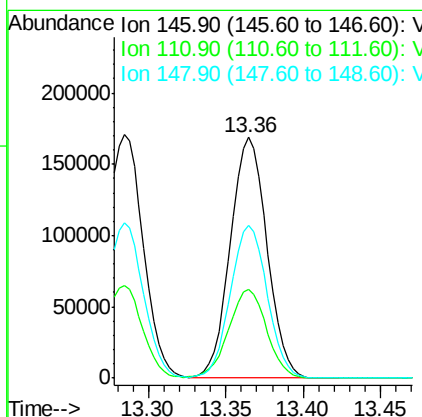
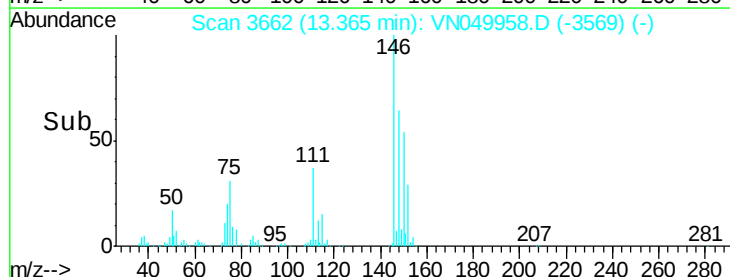
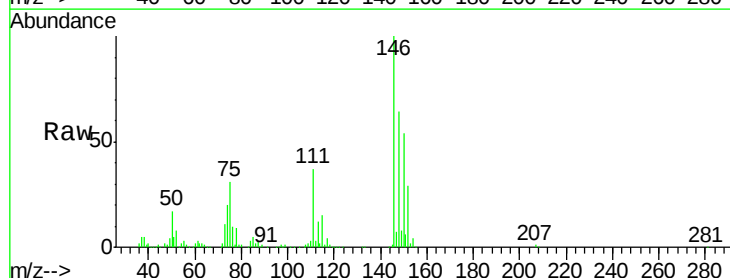
Manual Integrations
 APPROVED

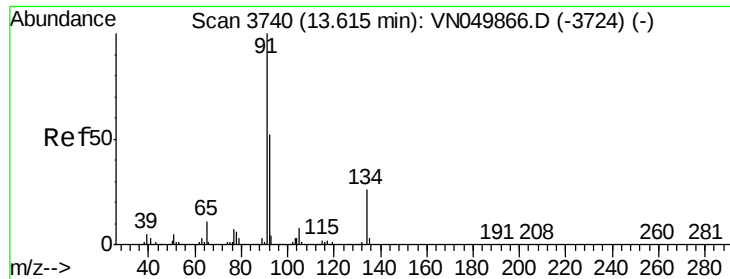
MMDadoda
 7/23/2018 2:04:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.17 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.5
148	63.8	32.1	96.3





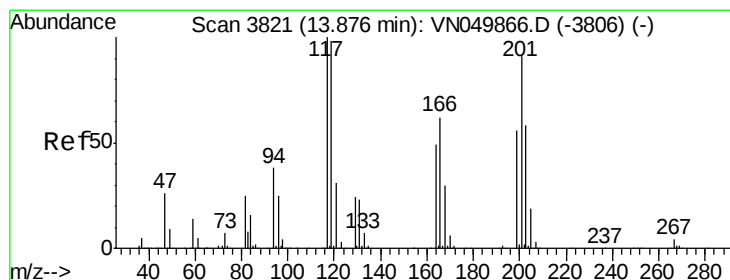
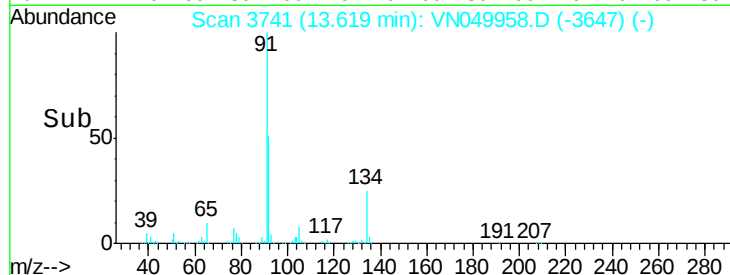
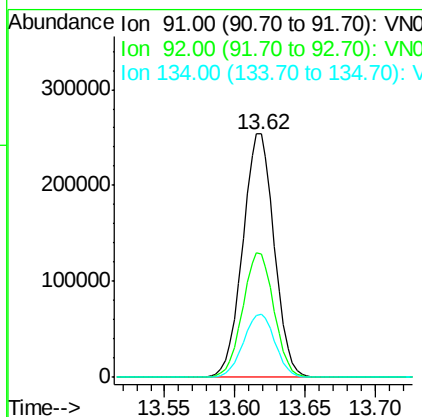
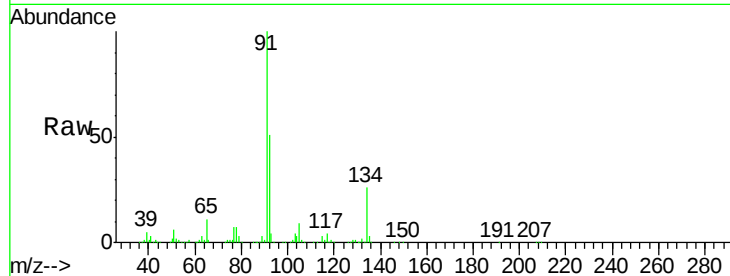
#89
n-Butylbenzene
Concen: 20.18 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.8	77.3
134	26.2	13.0	38.9

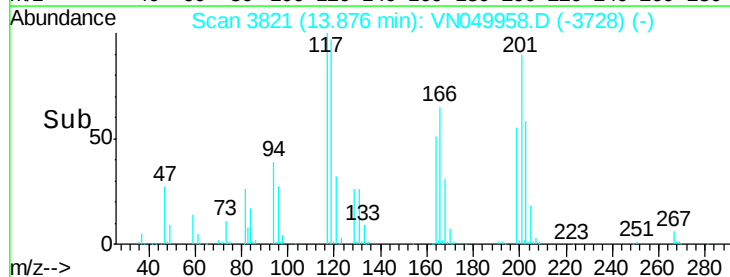
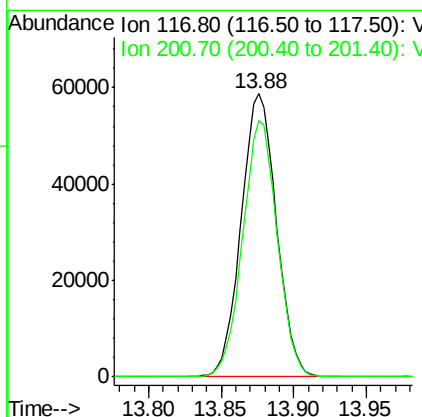
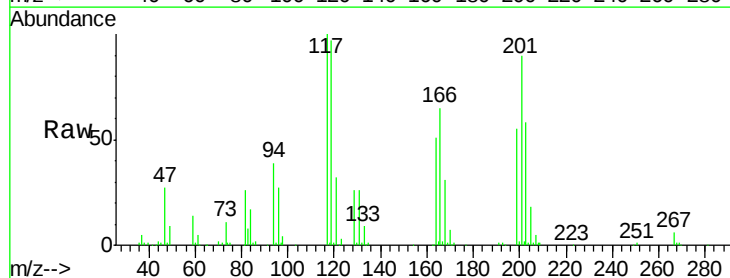
Manual Integrations
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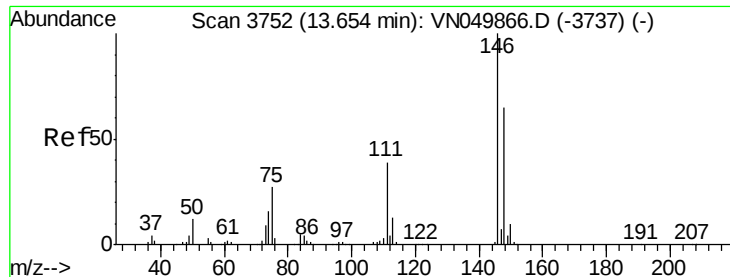
MMDadoda
7/23/2018 2:04:00 PM



#90
Hexachloroethane
Concen: 18.60 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	45.3	135.8





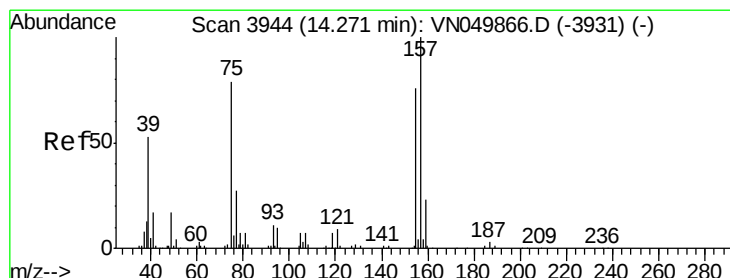
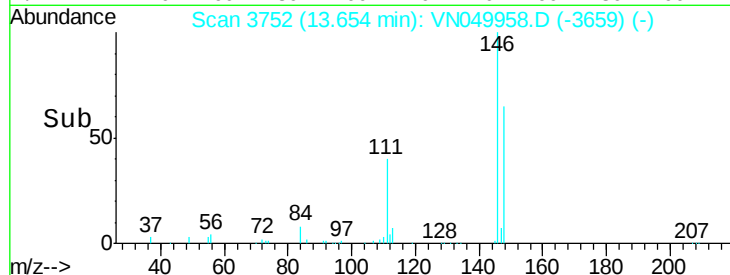
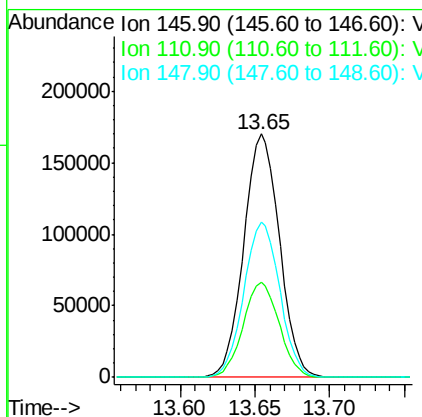
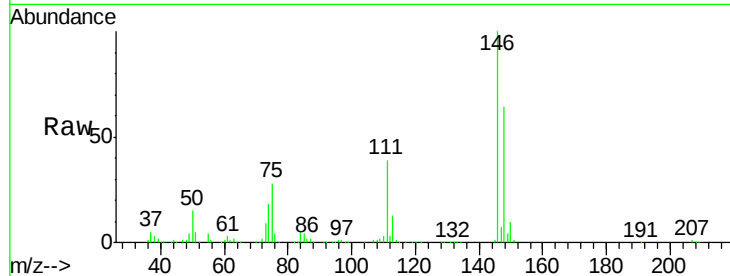
#91
 1,2-Dichlorobenzene
 Concen: 19.88 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.1
148	64.3	32.0	96.2

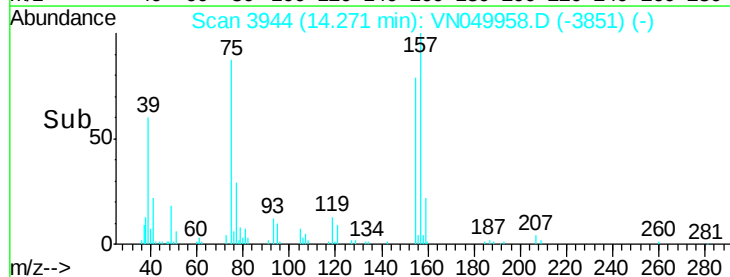
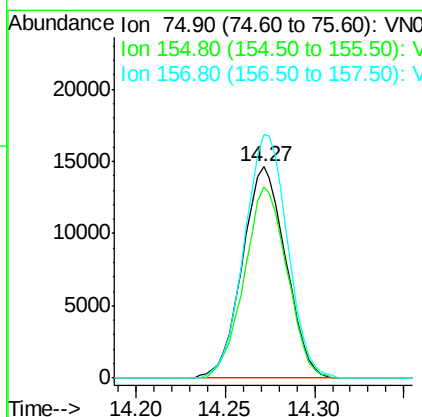
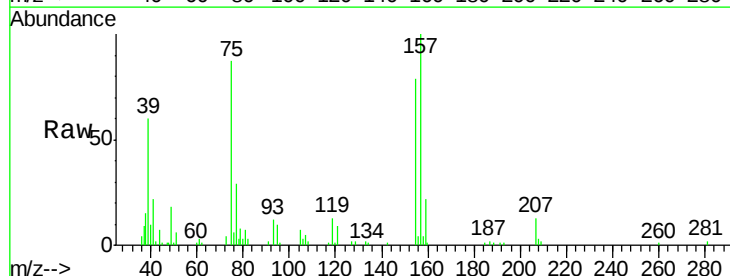
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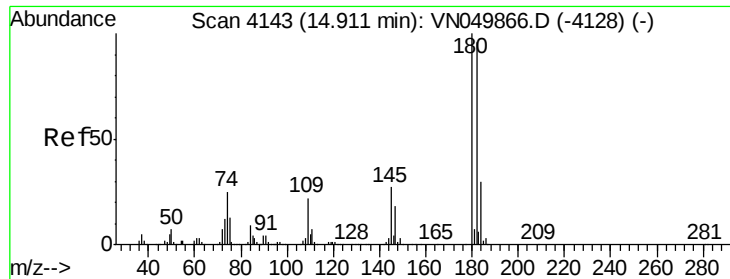
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.84 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	45.7	137.1
157	115.2	56.9	170.7





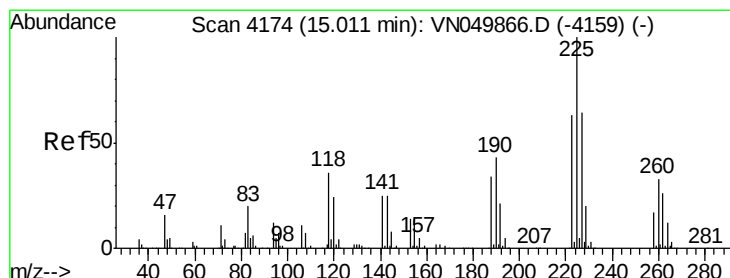
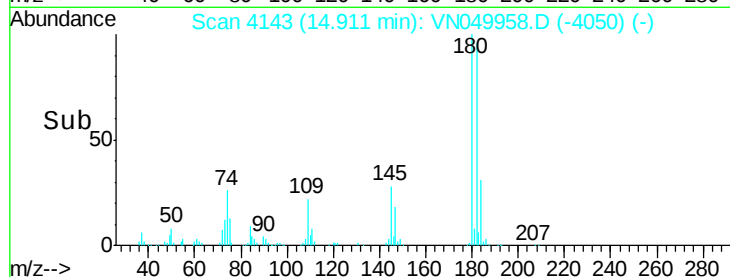
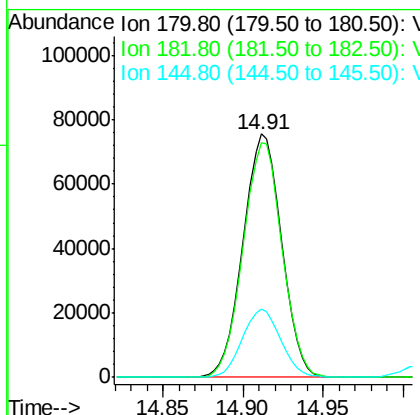
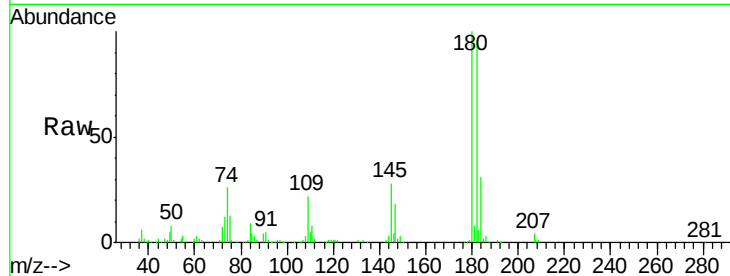
#93
 1,2,4-Trichlorobenzene
 Concen: 18.20 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.3	141.9
145	27.8	14.4	43.0

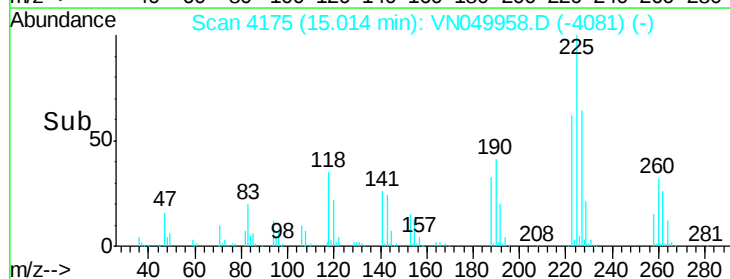
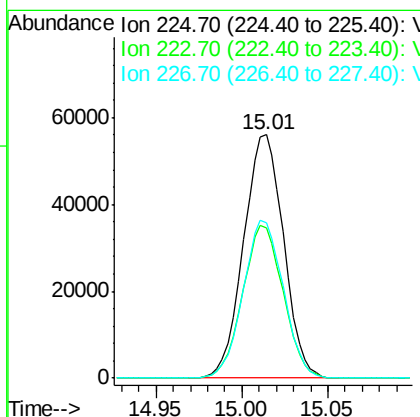
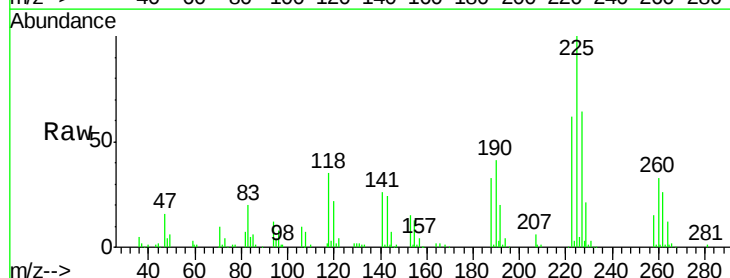
Manual Integrations
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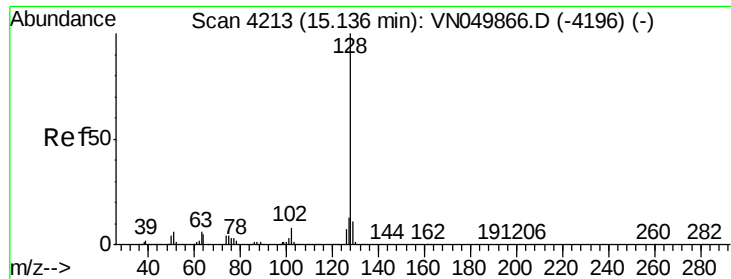
MMDadoda
 7/23/2018 2:04:00 PM



#94
 Hexachlorobutadiene
 Concen: 19.45 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.9	92.7
227	65.2	31.8	95.4





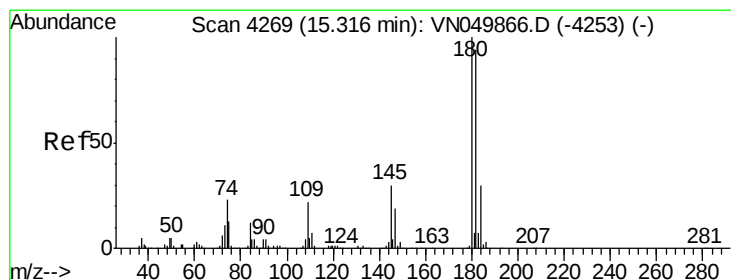
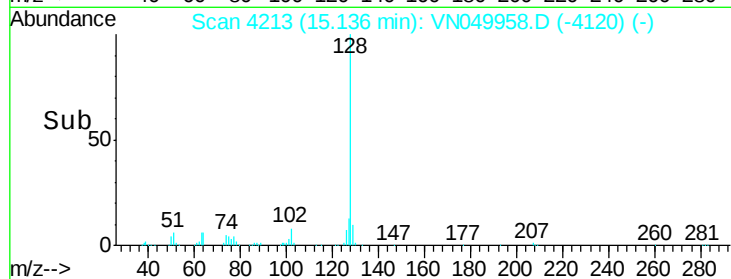
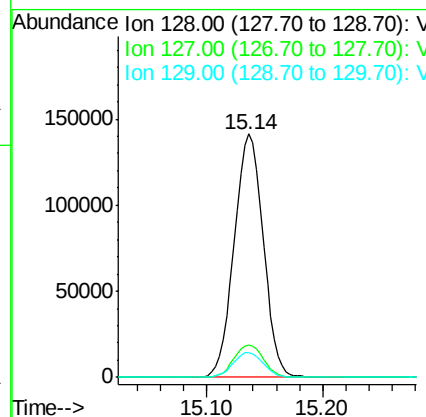
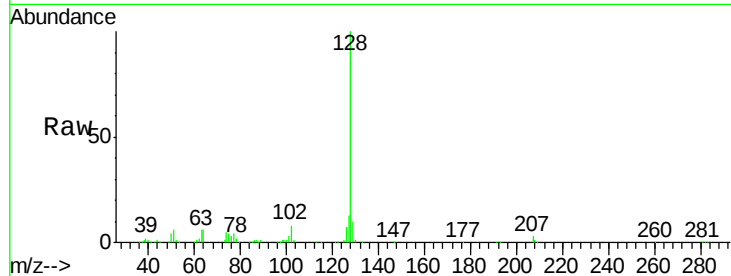
#95
Naphthalene
Concen: 16.41 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	245395		
127	13.6		10.4	15.6
129	10.6		8.6	13.0

Manual Integrations
APPROVED

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7/23/2018 2:04:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.85 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	128563		
182	97.4		47.4	142.2
145	29.9		15.2	45.6

