

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049933.D
 Acq On : 19 Jul 2018 23:21
 Operator : MD\SY
 Sample : VN0719WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 11:08:07 AM

Quant Time: Jul 20 03:24:29 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	550072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	849808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	748583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	381973	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	406851	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
35) Dibromofluoromethane	7.59	113	363260	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.09	98	1307330	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	421095	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	101025	19.26	ug/l	97
3) Chloromethane	2.06	50	144264	19.21	ug/l	99
4) Vinyl Chloride	2.18	62	150119	18.75	ug/l	100
5) Bromomethane	2.56	94	75812	15.62	ug/l	99
6) Chloroethane	2.70	64	97482	18.64	ug/l	99
7) Trichlorofluoromethane	3.01	101	208296	18.92	ug/l	99
8) Diethyl Ether	3.41	74	75871	19.75	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	126460	18.63	ug/l	100
10) Methyl Iodide	3.95	142	119143	13.08	ug/l	98
11) Tert butyl alcohol	4.81	59	49861m	92.57	ug/l	
12) 1,1-Dichloroethene	3.73	96	114567	19.21	ug/l	99
13) Acrolein	3.61	56	28479	82.05	ug/l	100
14) Allyl chloride	4.32	41	179078	19.05	ug/l	98
15) Acrylonitrile	5.00	53	236987	100.05	ug/l	99
16) Acetone	3.82	43	176263	90.05	ug/l	99
17) Carbon Disulfide	4.05	76	313306	17.56	ug/l	100
18) Methyl Acetate	4.33	43	144206	23.00	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	332689	20.27	ug/l	96
20) Methylene Chloride	4.55	84	147862	19.86	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	124711	19.69	ug/l	97
22) Diisopropyl ether	5.96	45	403452	21.03	ug/l	99
23) Vinyl Acetate	5.90	43	1362499	101.22	ug/l	99
24) 1,1-Dichloroethane	5.85	63	248361	20.17	ug/l	100
25) 2-Butanone	6.84	43	274271	98.04	ug/l	99
26) 2,2-Dichloropropane	6.82	77	161980	16.90	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	139589	20.09	ug/l	98
28) Bromochloromethane	7.20	49	118417	21.29	ug/l	98
29) Tetrahydrofuran	7.22	42	179811	102.03	ug/l	99
30) Chloroform	7.37	83	257758	20.39	ug/l	98
31) Cyclohexane	7.66	56	193386	19.29	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	215270	19.70	ug/l	99
36) 1,1-Dichloropropene	7.79	75	175429	18.57	ug/l	99
37) Ethyl Acetate	6.94	43	123986	19.11	ug/l	99
38) Carbon Tetrachloride	7.77	117	188341	18.61	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	168556	17.27	ug/l	95
40) Benzene	8.04	78	549804	19.09	ug/l	100
41) Methacrylonitrile	7.18	41	65355	20.09	ug/l	96
42) 1,2-Dichloroethane	8.13	62	187151	19.62	ug/l	99
43) Isopropyl Acetate	8.17	43	244212	21.54	ug/l	100
44) Trichloroethene	8.84	130	143942	19.06	ug/l	98
45) 1,2-Dichloropropane	9.12	63	148708	19.14	ug/l	98
46) Dibromomethane	9.21	93	91158	18.92	ug/l	99
47) Bromodichloromethane	9.41	83	195344	19.60	ug/l	99
48) Methyl methacrylate	9.20	41	107248	18.86	ug/l	99
49) 1,4-Dioxane	9.20	88	29233	362.40	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	627767	99.07	ug/l	99
52) Toluene	10.16	92	337174	19.63	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	179689	18.24	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	206173	18.93	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	133323	18.79	ug/l	100
56) Ethyl methacrylate	10.43	69	158209	18.04	ug/l	98
57) 1,3-Dichloropropane	10.71	76	219297	19.62	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	379307	91.12	ug/l	100
59) 2-Hexanone	10.75	43	409370	96.18	ug/l	97
60) Dibromochloromethane	10.90	129	146844	18.87	ug/l	100
61) 1,2-Dibromoethane	11.01	107	128427	19.37	ug/l	100
64) Tetrachloroethene	10.63	164	130628	19.42	ug/l	98
65) Chlorobenzene	11.44	112	365159	19.41	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	141686	19.45	ug/l	99
67) Ethyl Benzene	11.51	91	590911	19.37	ug/l	100
68) m/p-Xylenes	11.62	106	460488	39.87	ug/l	99
69) o-Xylene	11.95	106	217417	19.60	ug/l	100
70) Styrene	11.97	104	364097	20.26	ug/l	100
71) Bromoform	12.13	173	100791	19.34	ug/l #	100
73) Isopropylbenzene	12.25	105	586954	20.23	ug/l	99
74) N-amyl acetate	12.07	43	171880	19.46	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	171543	19.73	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	145202m	20.26	ug/l	
77) Bromobenzene	12.53	156	157469	19.65	ug/l	98
78) n-propylbenzene	12.59	91	666205	20.20	ug/l	100
79) 2-Chlorotoluene	12.68	91	412776	20.38	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	483815	20.80	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	41201	17.98	ug/l	98
82) 4-Chlorotoluene	12.78	91	408066	20.08	ug/l	99
83) tert-Butylbenzene	12.99	119	414188	20.28	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	496155	21.06	ug/l	98
85) sec-Butylbenzene	13.17	105	552093	20.46	ug/l	100
86) p-Isopropyltoluene	13.29	119	461862	20.07	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	271929	19.48	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	263184	18.80	ug/l	99
89) n-Butylbenzene	13.62	91	352520	18.56	ug/l	99
90) Hexachloroethane	13.88	117	96422	18.67	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	272166	19.83	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26602	19.81	ug/l	95

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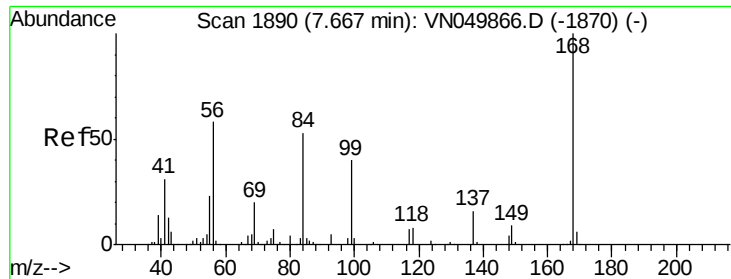
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	116240	17.77	ug/l	99
94) Hexachlorobutadiene	15.01	225	82515	18.35	ug/l	99
95) Naphthalene	15.14	128	247226	16.93	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	122036	18.53	ug/l	99

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



#1

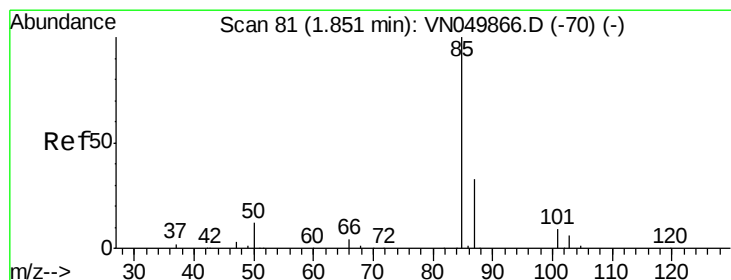
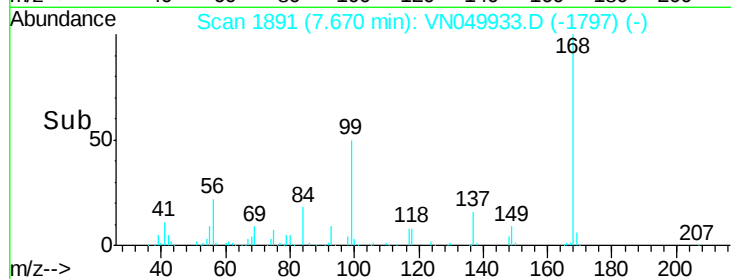
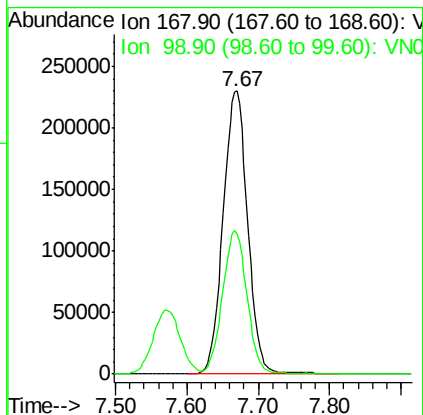
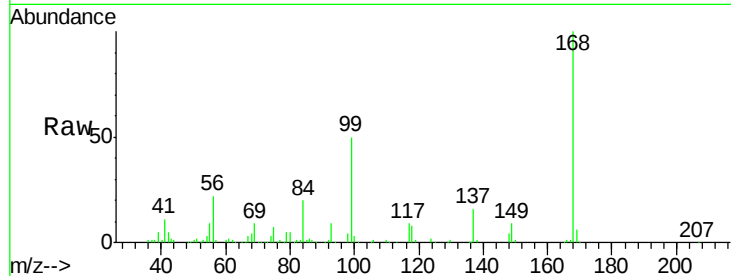
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.6	40.6	61.0

Manual Integrations
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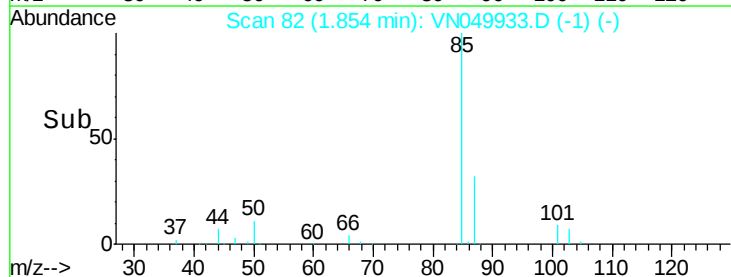
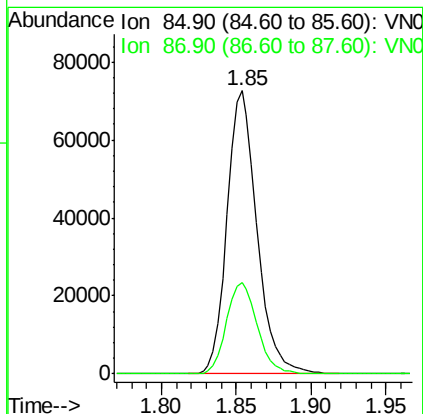
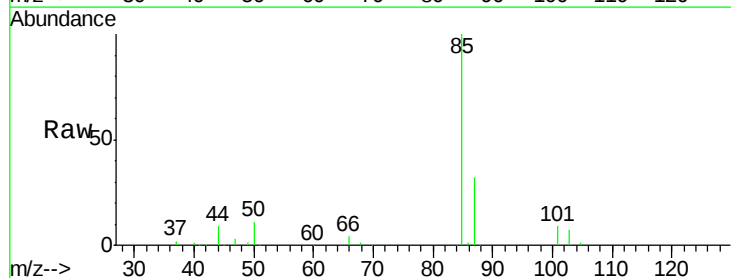
MMDadoda
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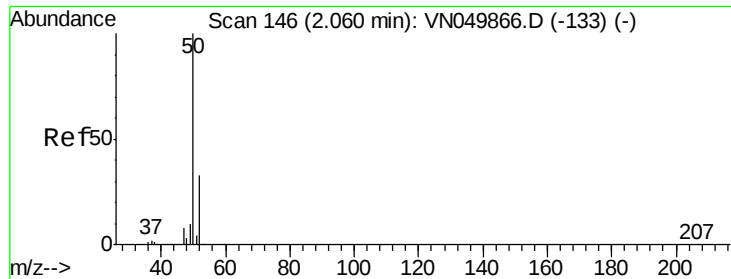


#2

Dichlorodifluoromethane
 Concen: 19.26 ug/l
 RT: 1.85 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.4	46.1





#3

Chloromethane

Concen: 19.21 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampled :

VN0719WBS02

Tot Ion: 50 Resp: 144264

Ion Ratio Lower Upper

50 100

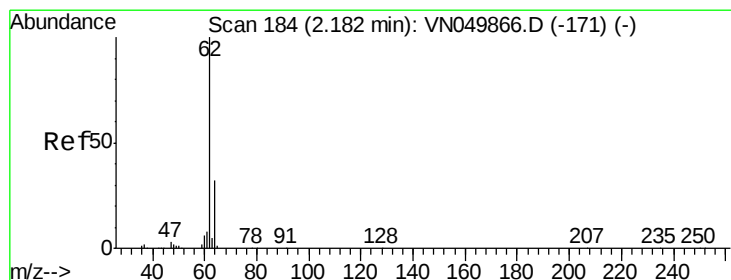
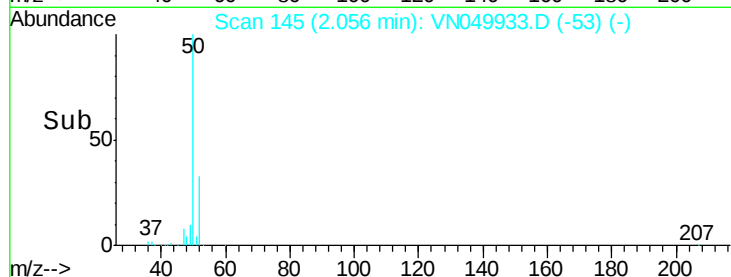
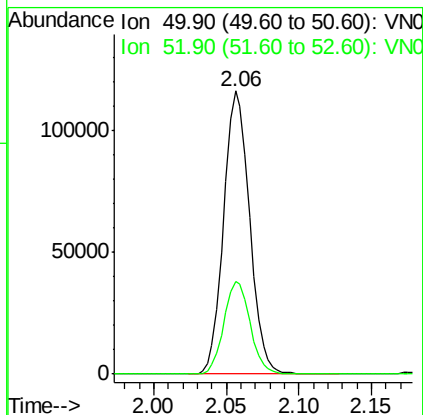
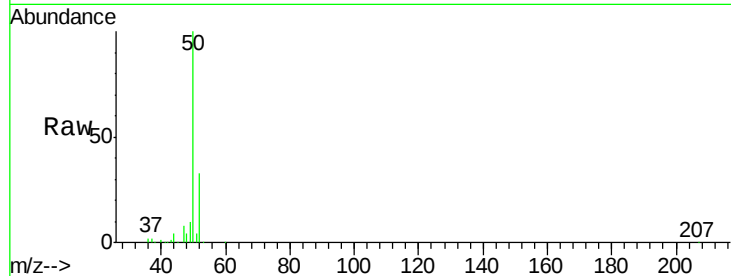
52 32.9 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.75 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049933.D

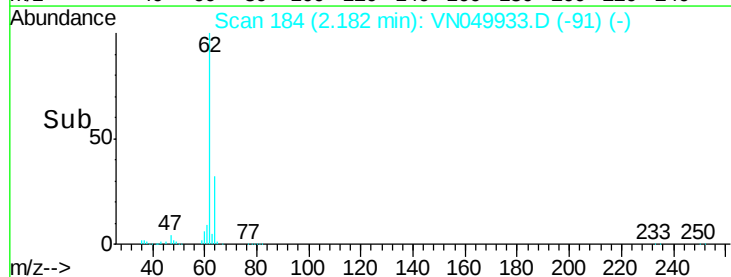
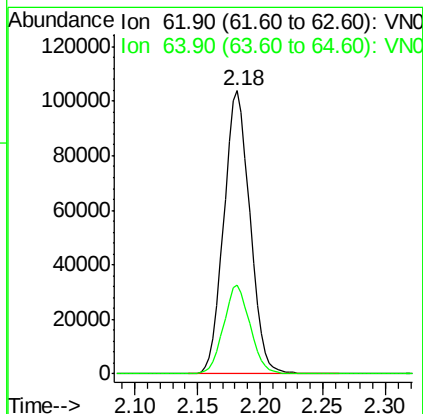
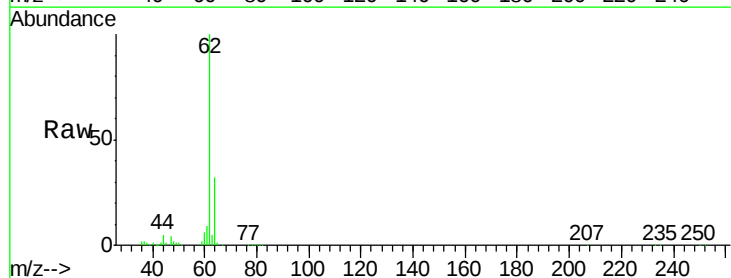
Acq: 19 Jul 2018 23:21

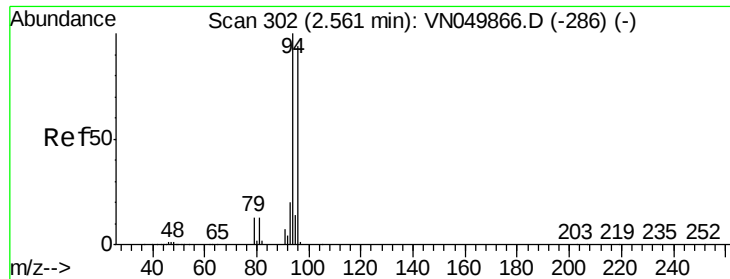
Tgt Ion: 62 Resp: 150119

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 15.62 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampled :

VN0719WBS02

Tot Ion: 94 Resp: 75812

Ion Ratio Lower Upper

94 100

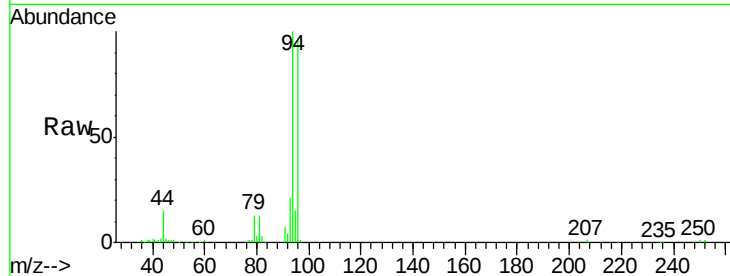
96 95.2 75.7 113.5

Manual Integrations

APPROVED

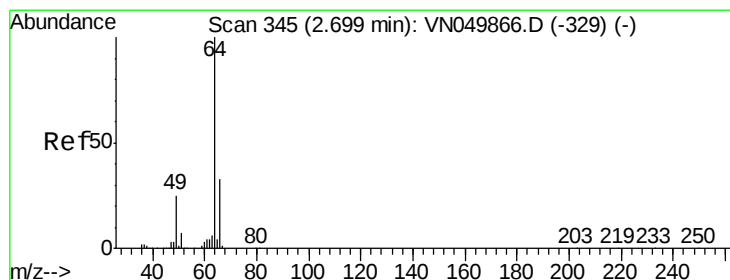
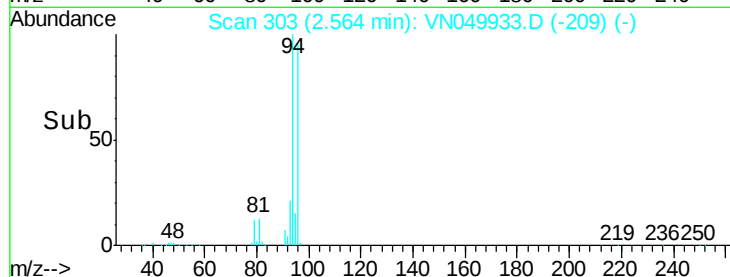
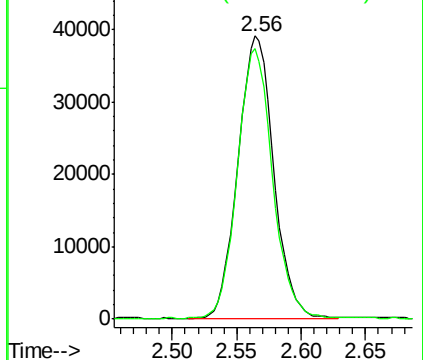
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.64 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049933.D

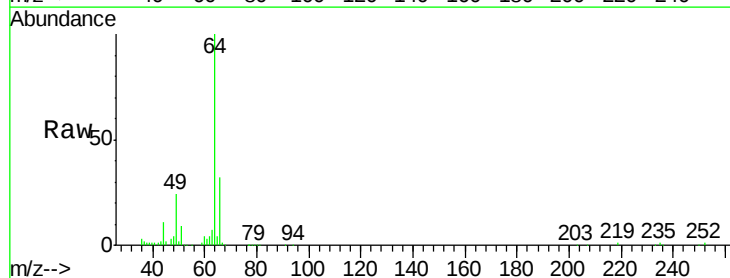
Acq: 19 Jul 2018 23:21

Tgt Ion: 64 Resp: 97482

Ion Ratio Lower Upper

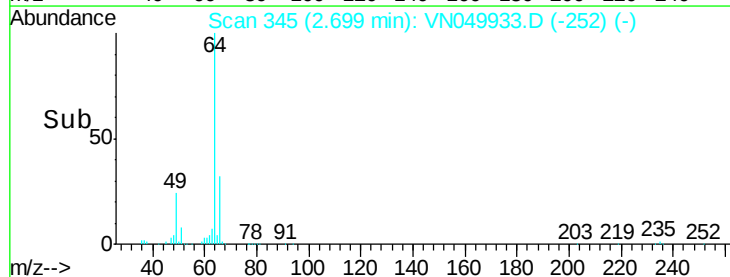
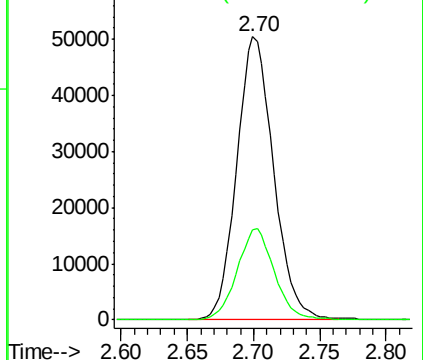
64 100

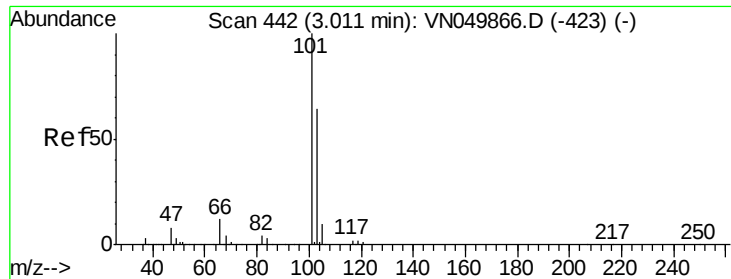
66 31.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

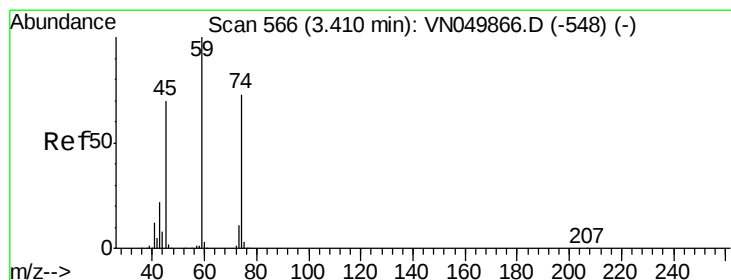
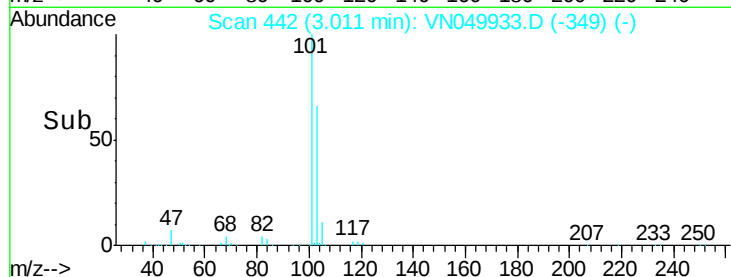
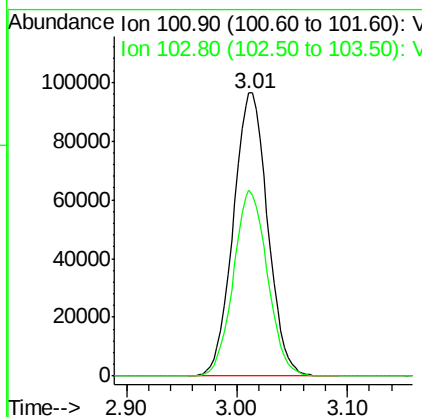
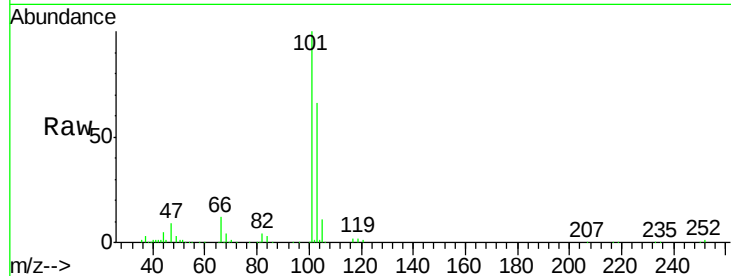
Trichlorofluoromethane
Concen: 18.92 ug/l
RT: 3.01 min Scan# 442
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
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VN0719WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.8	79.2

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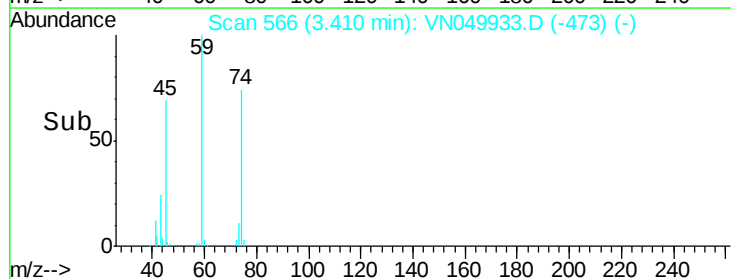
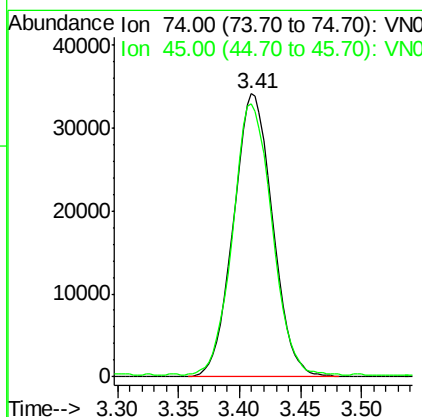
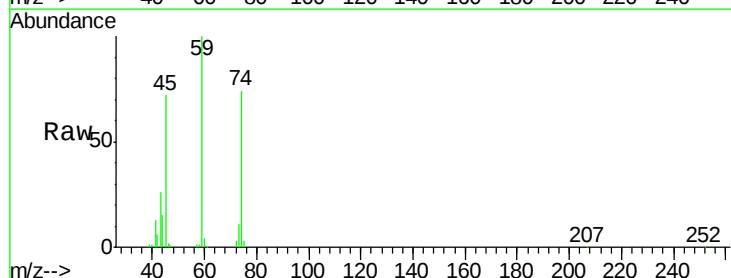
MMDadoda
7/20/2018 11:08:07 AM

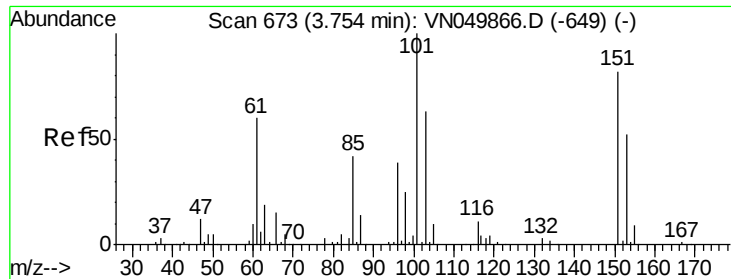


#8

Diethyl Ether
Concen: 19.75 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	48.4	145.2





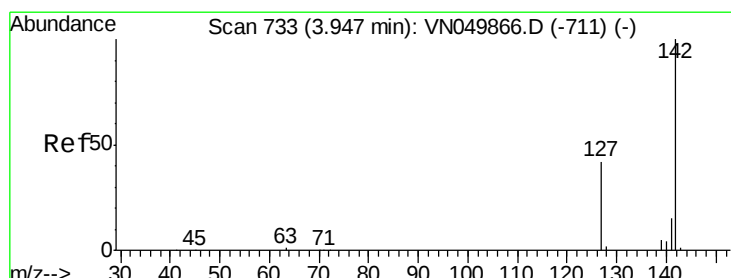
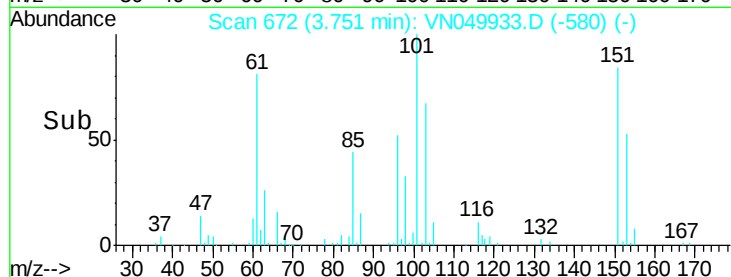
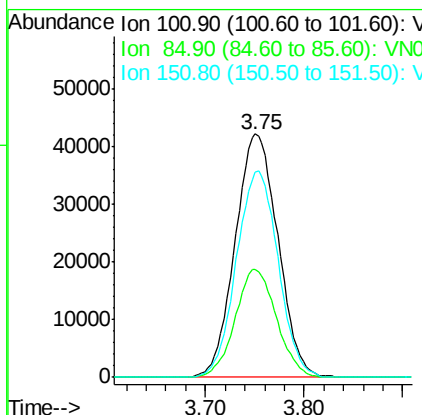
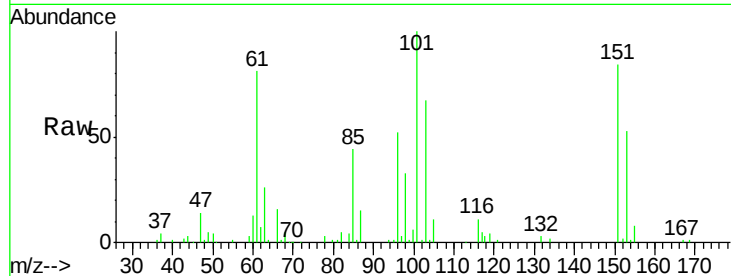
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.63 ug/l
RT: 3.75 min Scan# 672
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	126460		
85	42.9	34.4	51.6	
151	82.9	66.2	99.4	

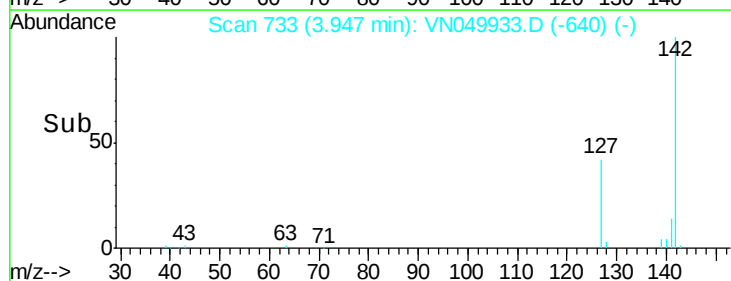
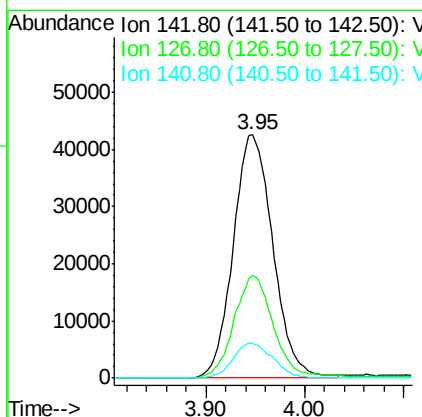
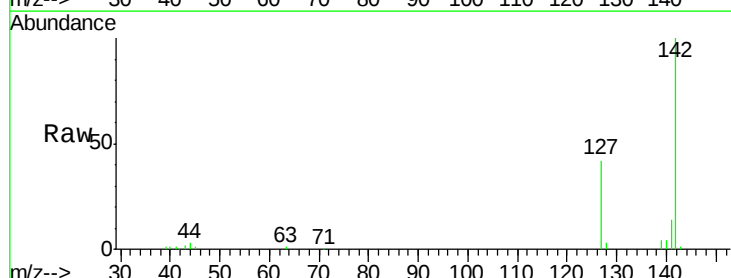
Manual Integrations
APPROVED

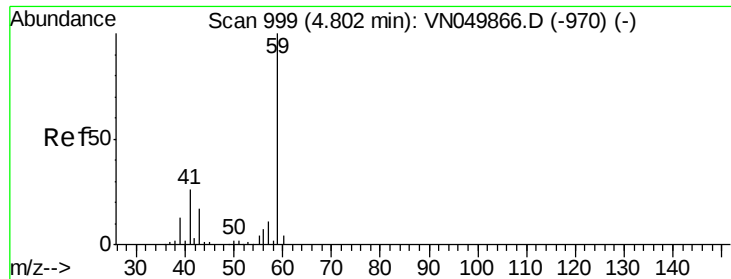
MMDadoda
7/20/2018 11:08:07 AM



#10
Methyl Iodide
Concen: 13.08 ug/l
RT: 3.95 min Scan# 733
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	119143		
127	42.1	32.5	48.7	
141	14.3	11.1	16.7	





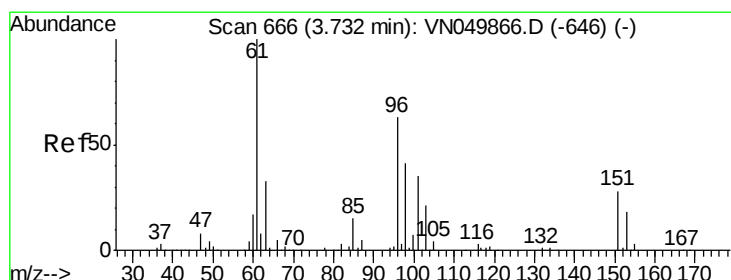
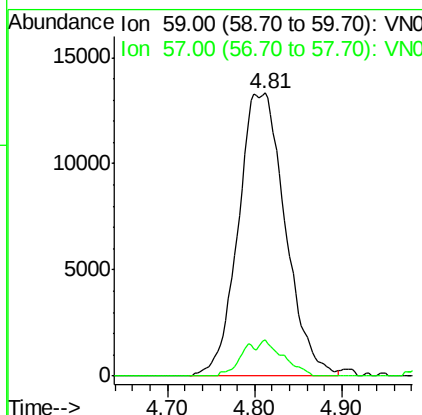
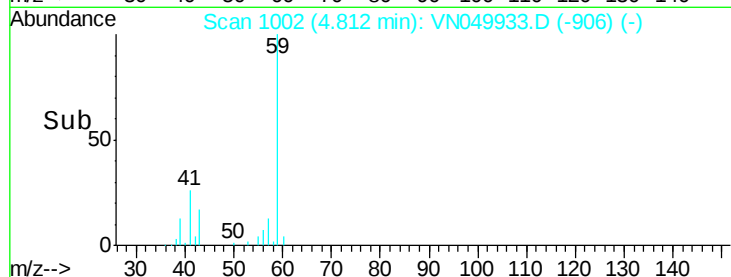
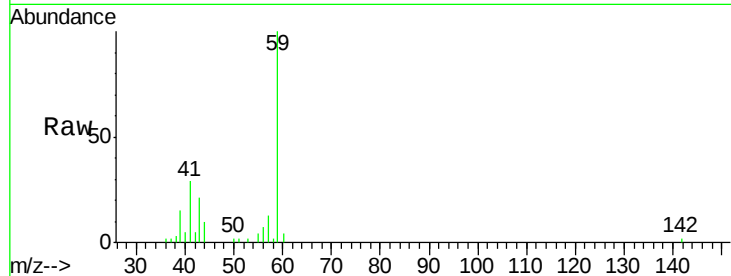
#11
Tert butyl alcohol
Concen: 92.57 ug/l m
RT: 4.81 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

Tot Ion: 59 Resp: 49861
Ion Ratio Lower Upper
59 100
57 6.5 8.5 12.7#

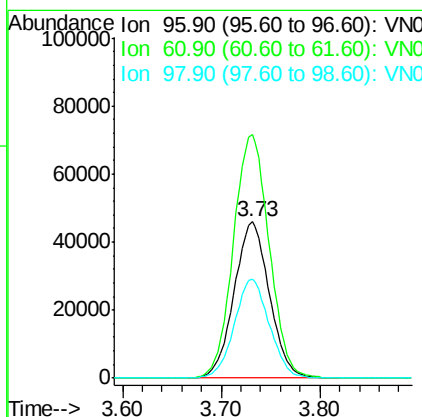
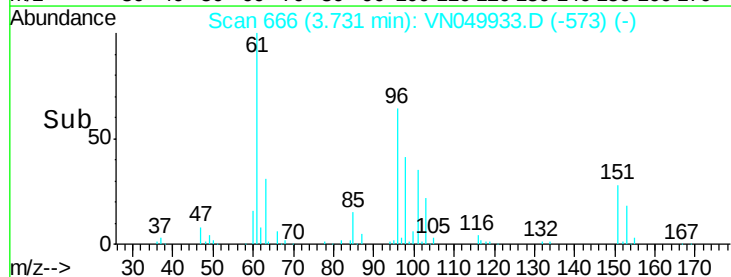
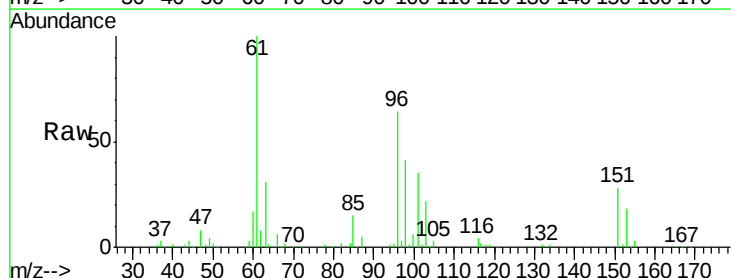
Manual Integrations
APPROVED

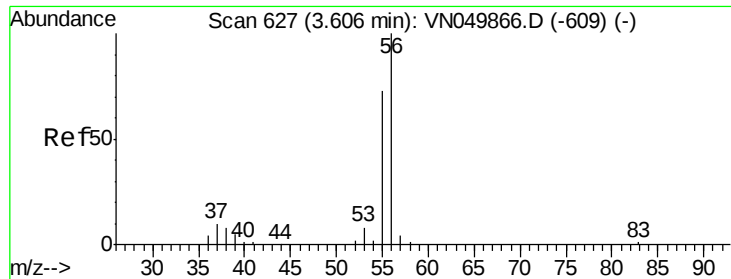
MMDadoda
7/20/2018 11:08:07 AM



#12
1,1-Dichloroethene
Concen: 19.21 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion: 96 Resp: 114567
Ion Ratio Lower Upper
96 100
61 156.1 126.5 189.7
98 63.5 51.0 76.6





#13

Acrolein

Concen: 82.05 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampled :

VN0719WBS02

Tot Ion: 56 Resp: 28479

Ion Ratio Lower Upper

56 100

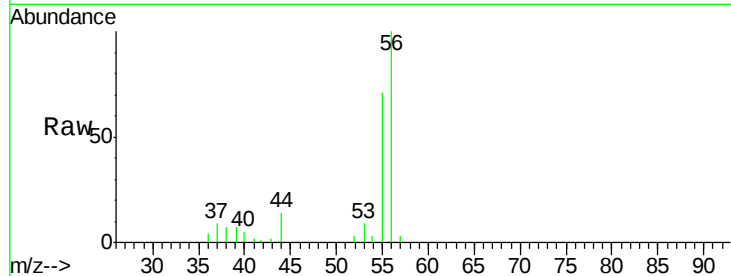
55 69.9 55.8 83.8

Manual Integrations

APPROVED

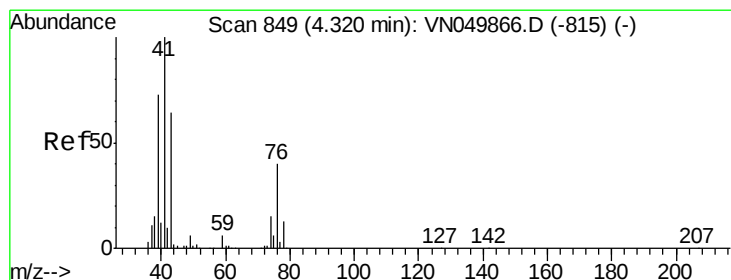
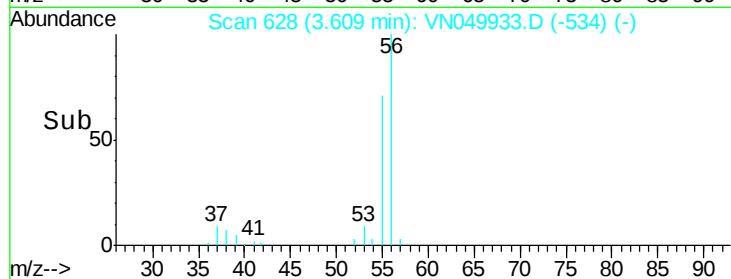
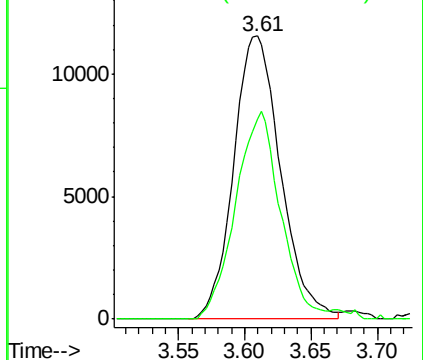
MMDadoda

7/20/2018 11:08:07 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.05 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

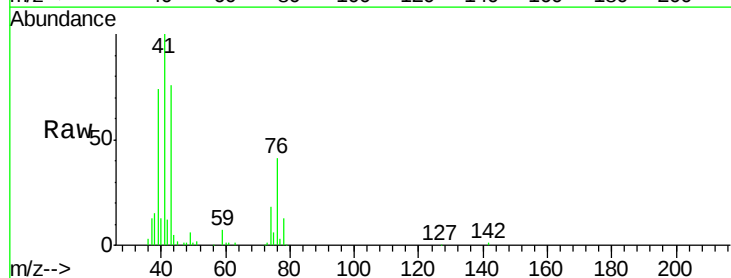
Tgt Ion: 41 Resp: 179078

Ion Ratio Lower Upper

41 100

39 67.9 53.2 79.8

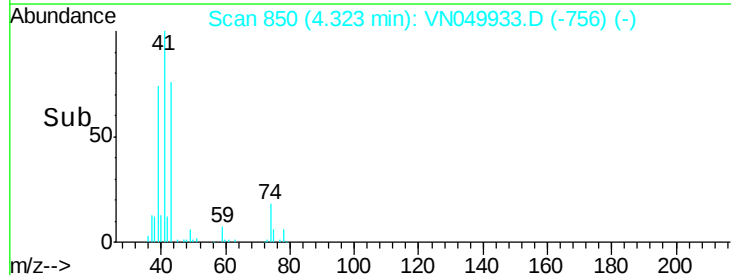
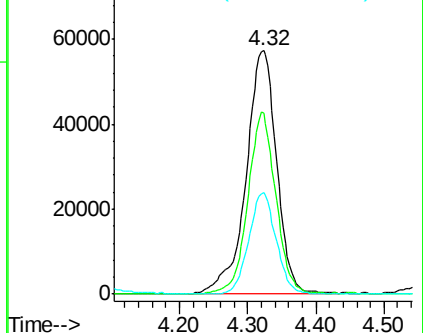
76 37.0 29.0 43.6

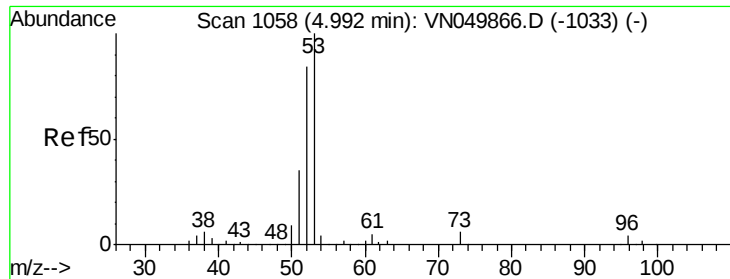


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





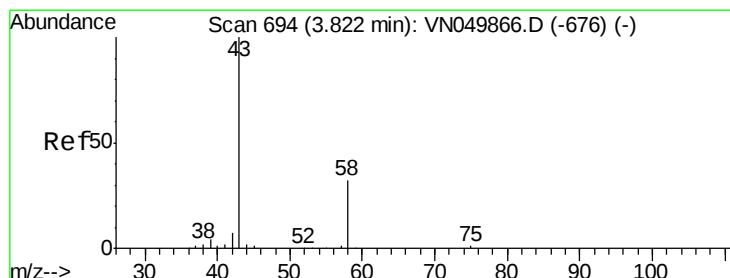
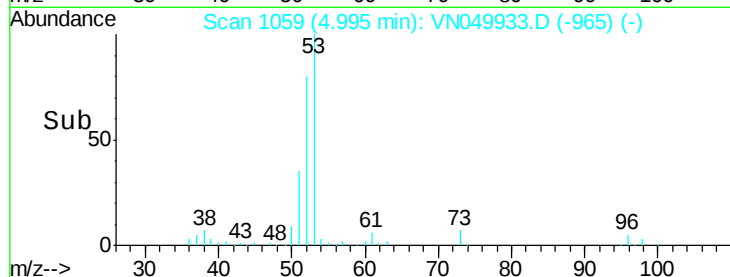
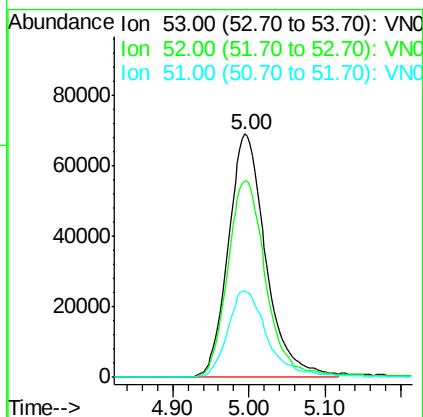
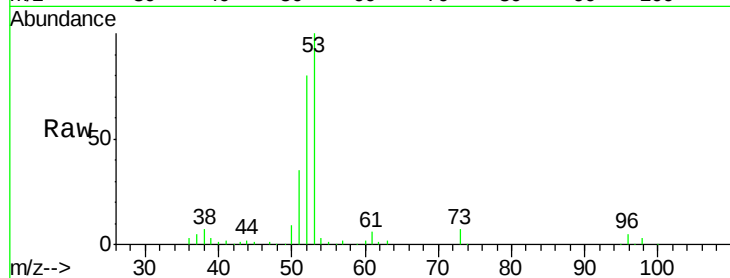
#15
 Acrylonitrile
 Concen: 100.05 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.1	64.8	97.2
51	37.3	28.9	43.3

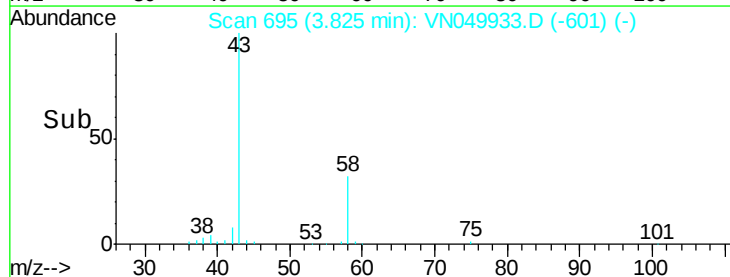
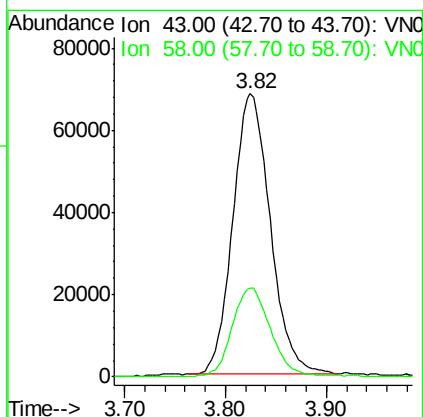
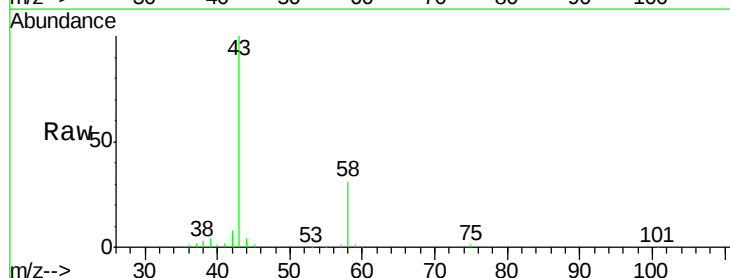
Manual Integrations
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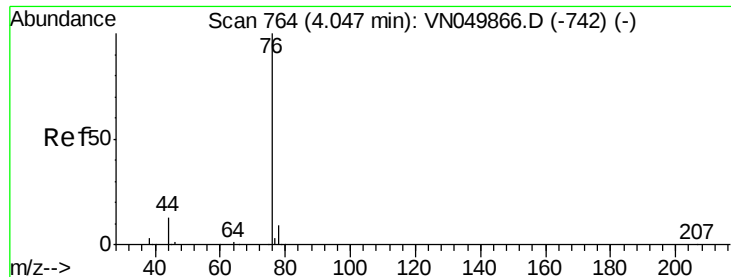
MMDadoda
 7/20/2018 11:08:07 AM



#16
 Acetone
 Concen: 90.05 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.9	38.9





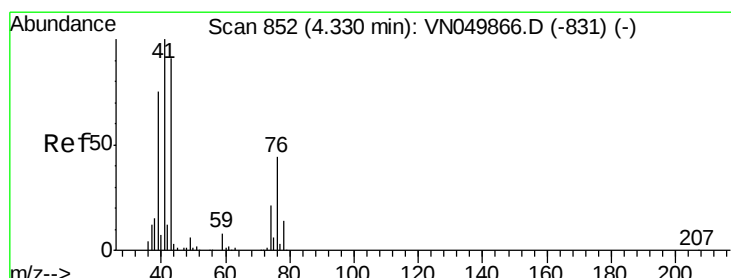
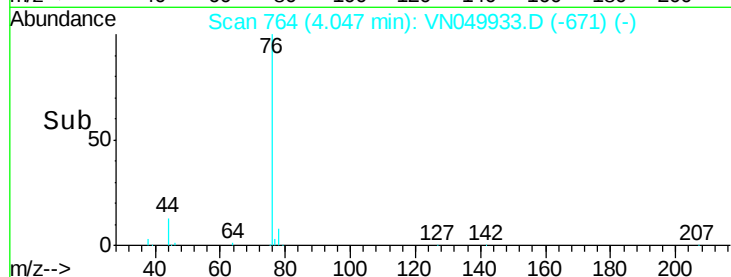
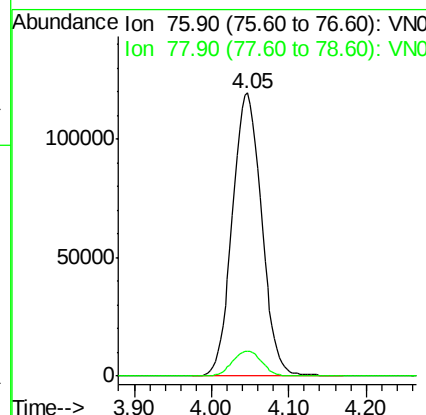
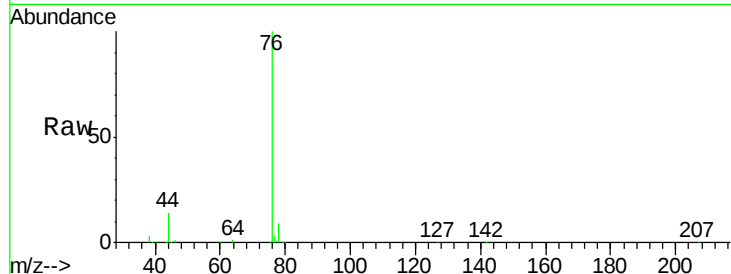
#17
Carbon Disulfide
Concen: 17.56 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

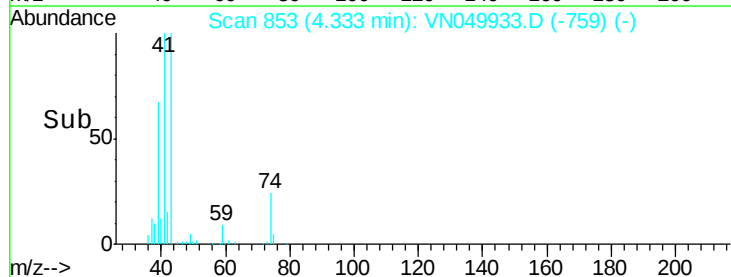
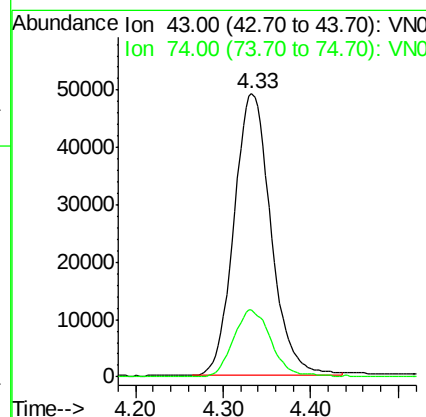
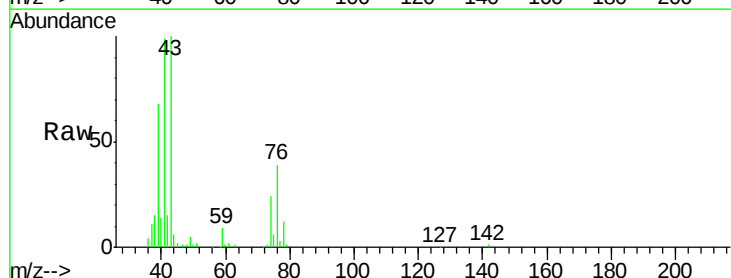
Manual Integrations
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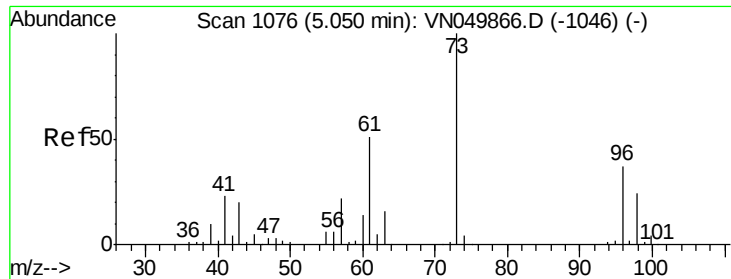
MMDadoda
7/20/2018 11:08:07 AM



#18
Methyl Acetate
Concen: 23.00 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.8	29.8





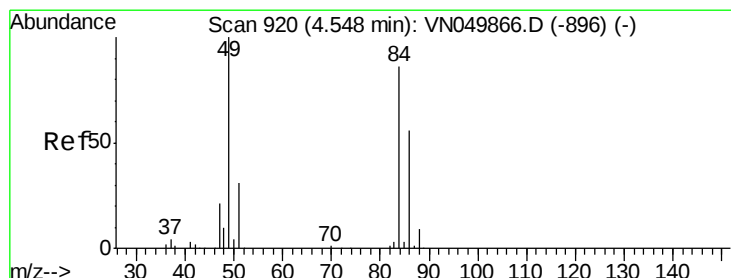
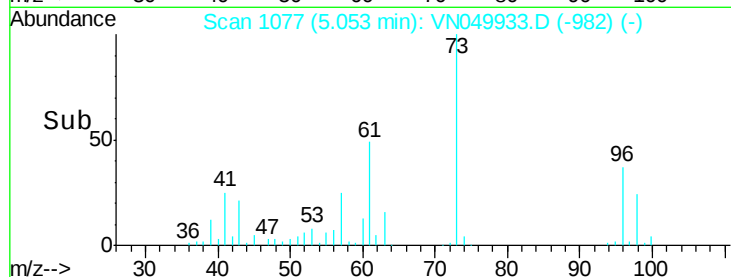
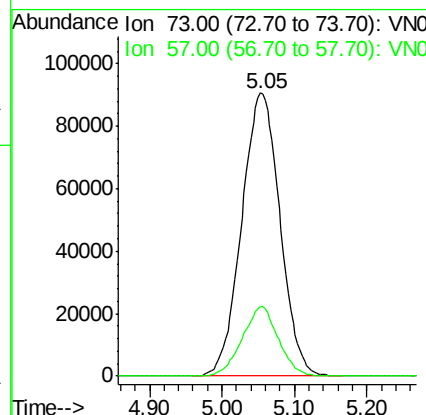
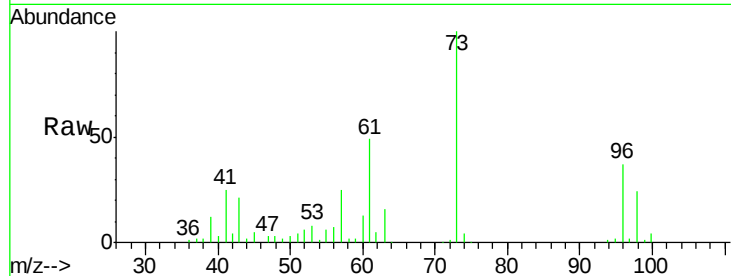
#19
Methyl tert-butyl Ether
Concen: 20.27 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

Tot Ion: 73 Resp: 332689
Ion Ratio Lower Upper
73 100
57 24.5 18.1 27.1

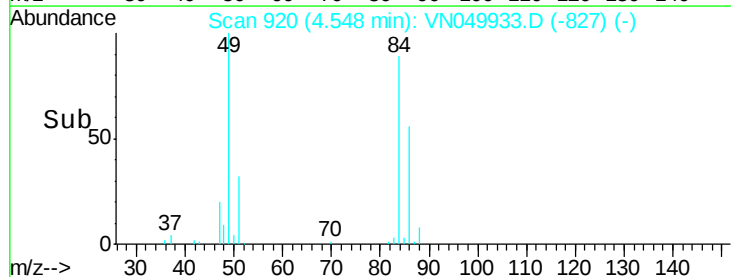
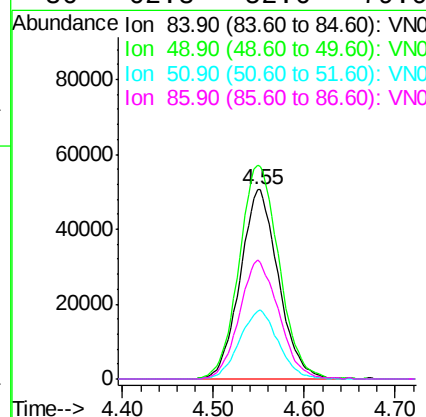
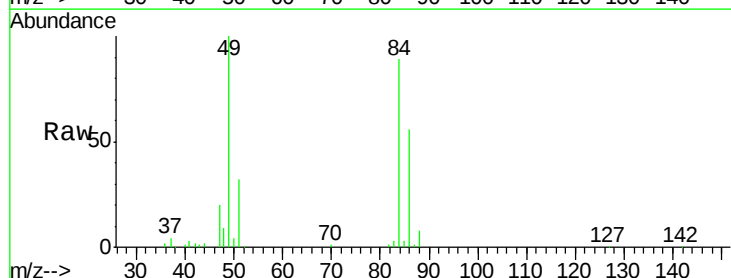
Manual Integrations
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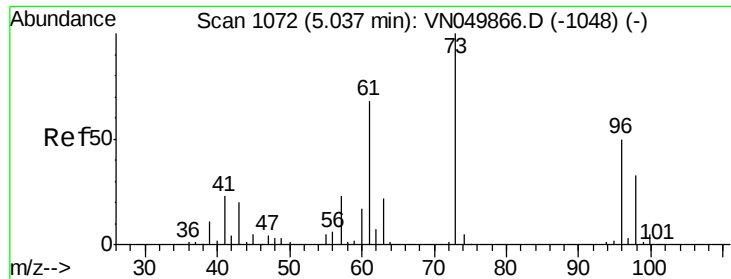
MMDadoda
7/20/2018 11:08:07 AM



#20
Methylene Chloride
Concen: 19.86 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion: 84 Resp: 147862
Ion Ratio Lower Upper
84 100
49 112.8 95.4 143.2
51 35.7 28.4 42.6
86 62.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.69 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

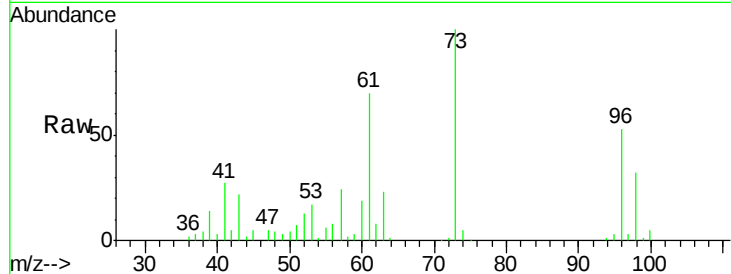
ClientSampled :

VN0719WBS02

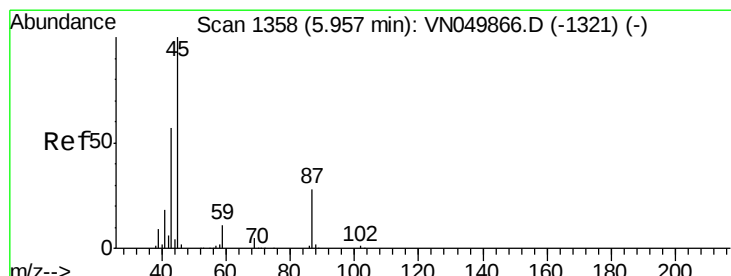
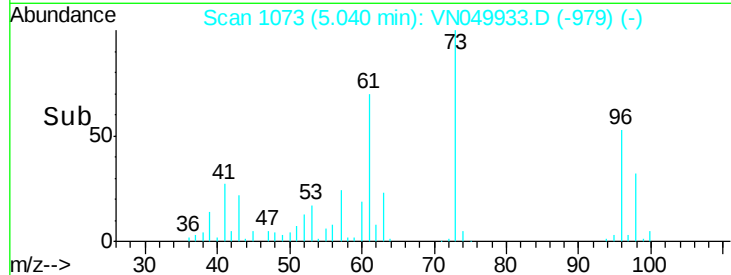
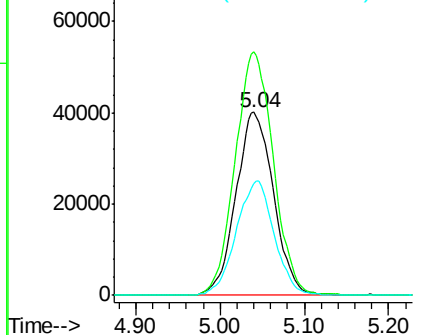
Tot Ion:	96	Resp:	124711
Ion	Ratio	Lower	Upper
96	100		
61	133.0	109.0	163.6
98	61.1	51.1	76.7

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 21.03 ug/l

RT: 5.96 min Scan# 1359

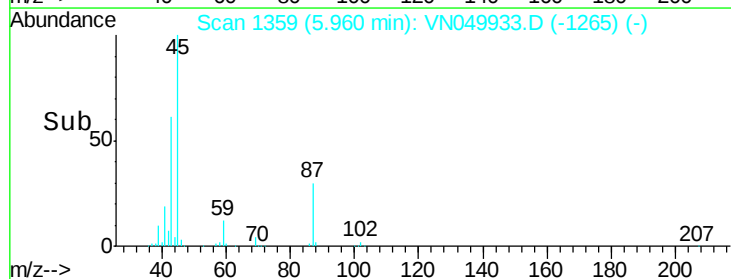
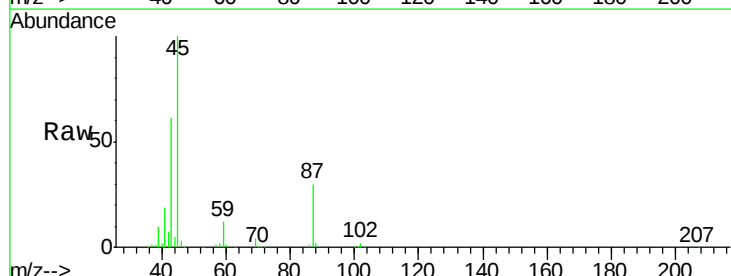
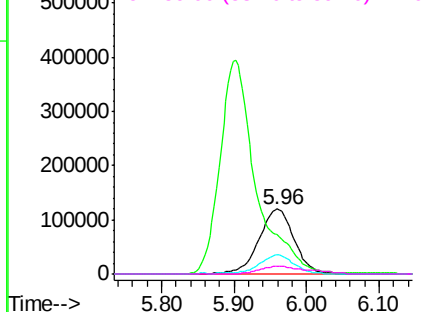
Delta R.T. 0.00 min

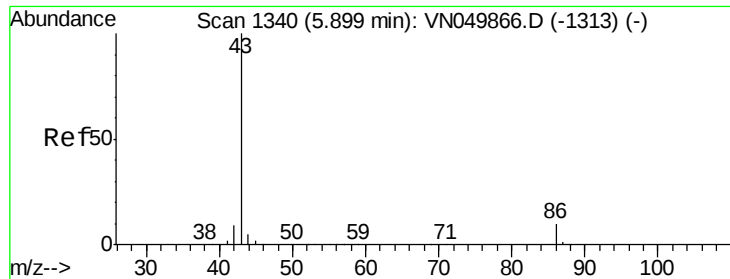
Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Tgt Ion:	45	Resp:	403452
Ion	Ratio	Lower	Upper
45	100		
43	59.6	48.1	72.1
87	29.4	22.6	34.0
59	11.8	9.2	13.8

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





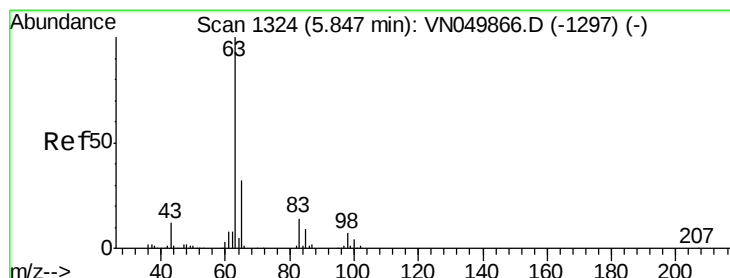
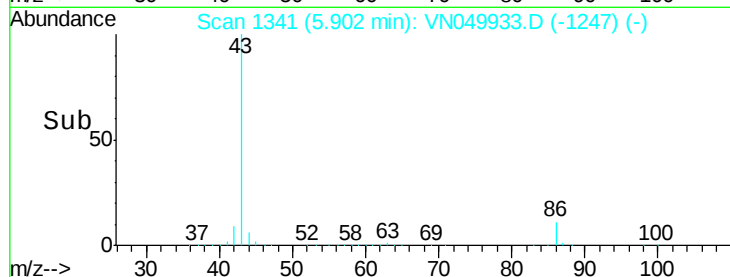
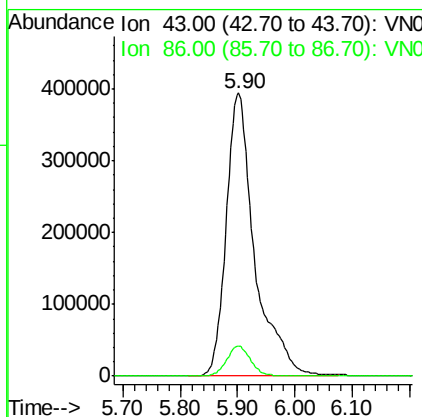
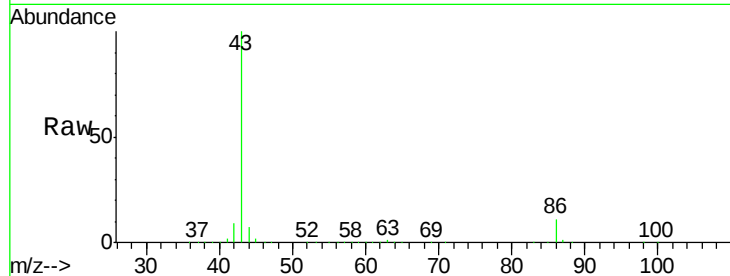
#23
 Vinyl Acetate
 Concen: 101.22 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0719WBS02

Tot Ion: 43 Resp: 1362499
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.4 12.6

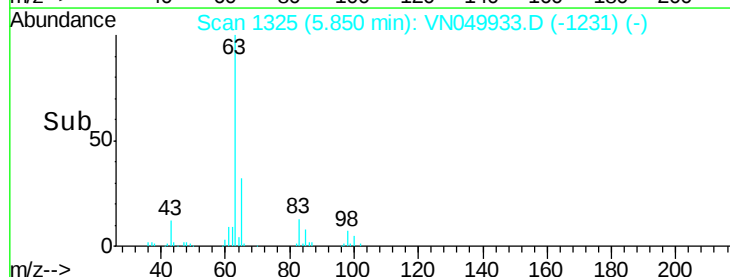
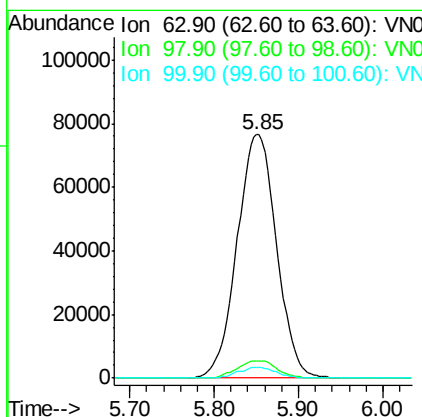
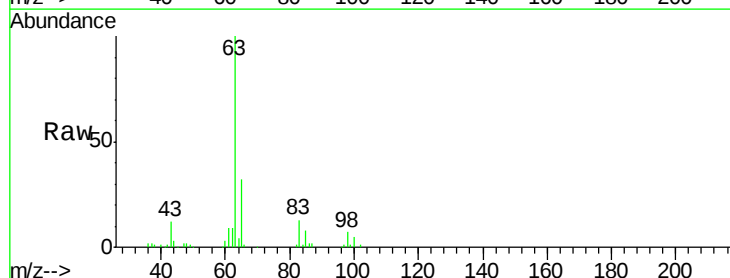
Manual Integrations
 APPROVED

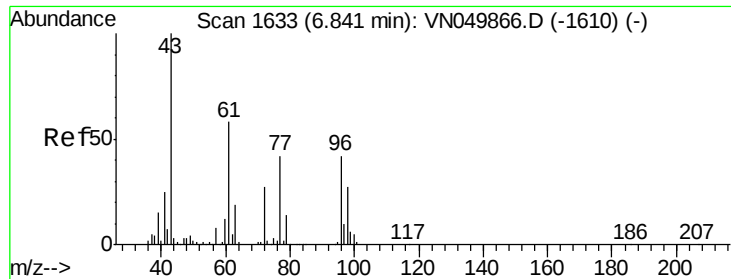
MMDadoda
 7/20/2018 11:08:07 AM



#24
 1,1-Dichloroethane
 Concen: 20.17 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion: 63 Resp: 248361
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.6 2.2 6.6





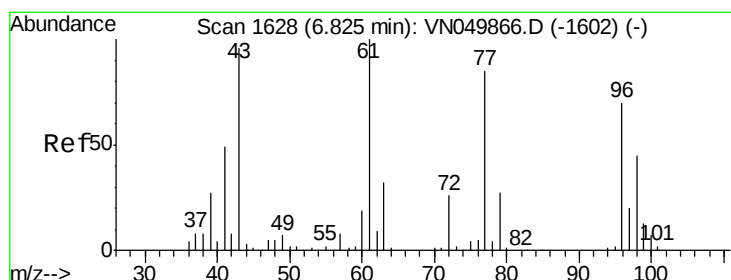
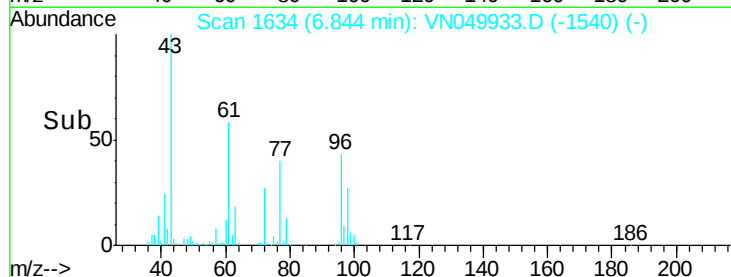
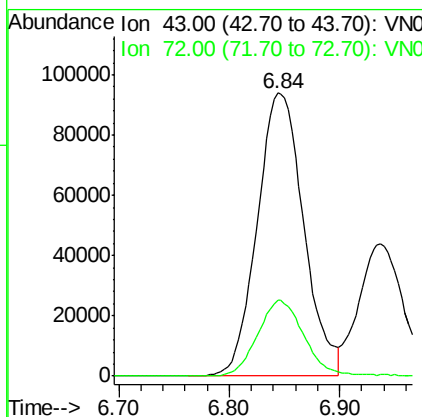
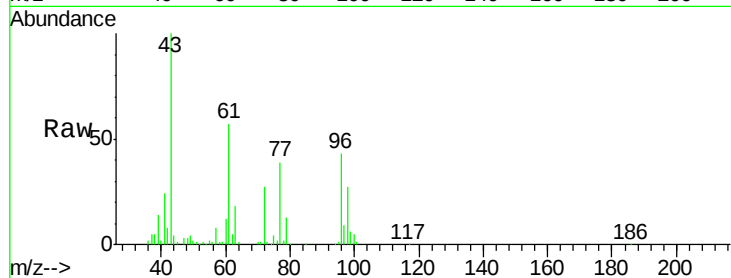
#25
2-Butanone
Concen: 98.04 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

Tot Ion: 43 Resp: 274271
Ion Ratio Lower Upper
43 100
72 26.8 22.1 33.1

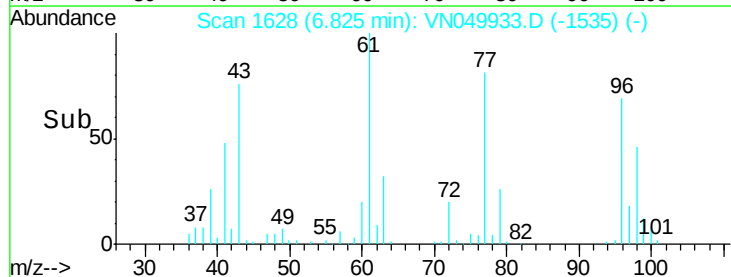
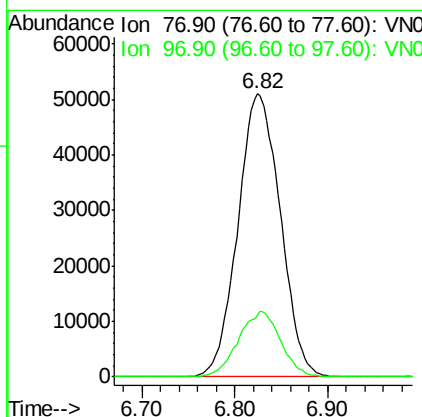
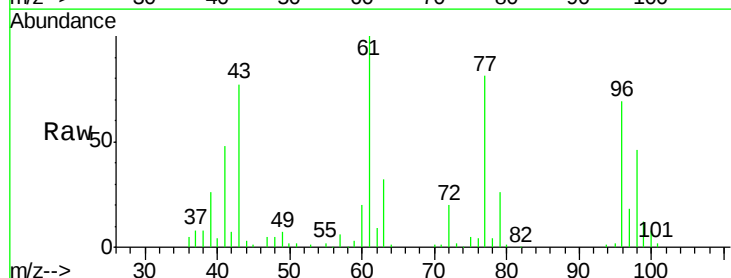
Manual Integrations
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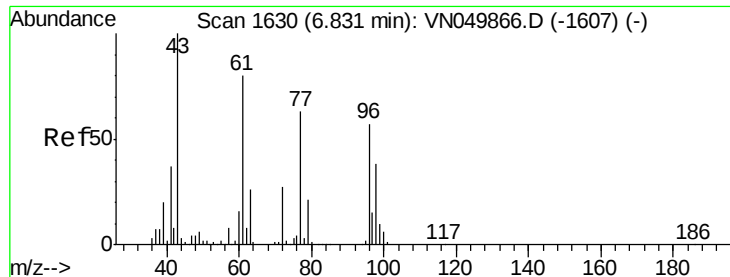
MMDadoda
7/20/2018 11:08:07 AM



#26
2,2-Dichloropropane
Concen: 16.90 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion: 77 Resp: 161980
Ion Ratio Lower Upper
77 100
97 23.1 11.9 35.5





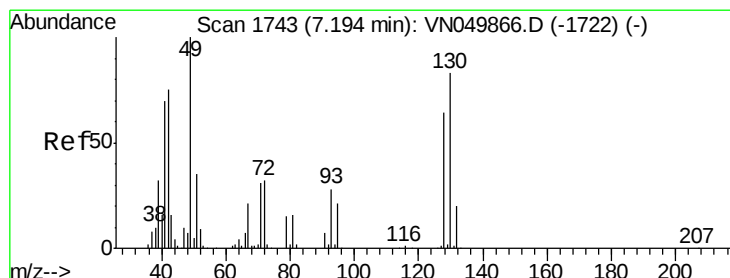
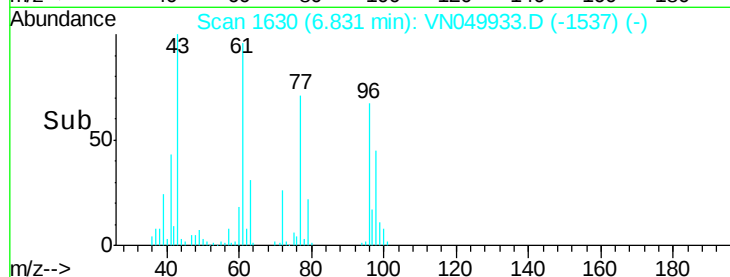
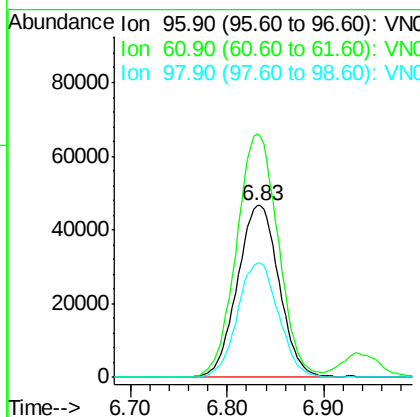
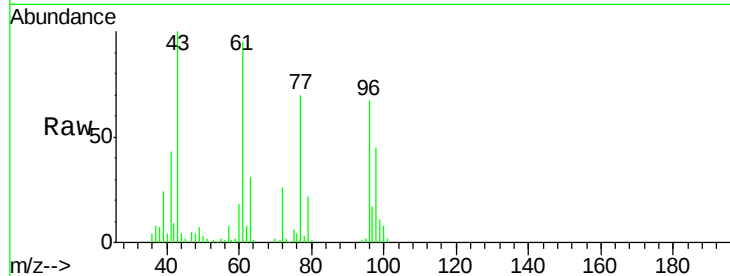
#27
 cis-1,2-Dichloroethene
 Concen: 20.09 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN0719WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	139589		
61	141.7	0.0	289.0	
98	65.8	0.0	130.2	

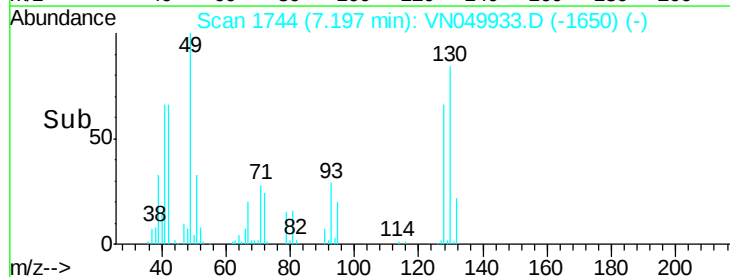
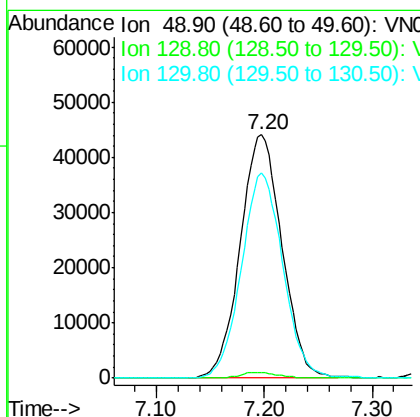
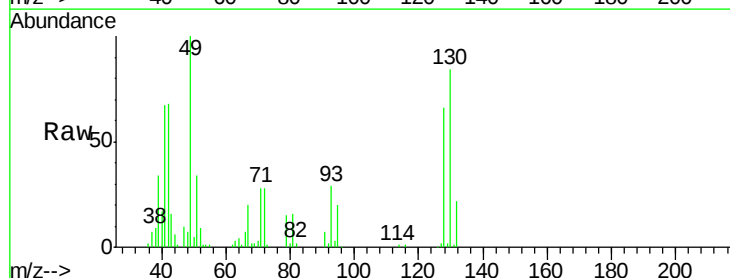
Manual Integrations
 APPROVED

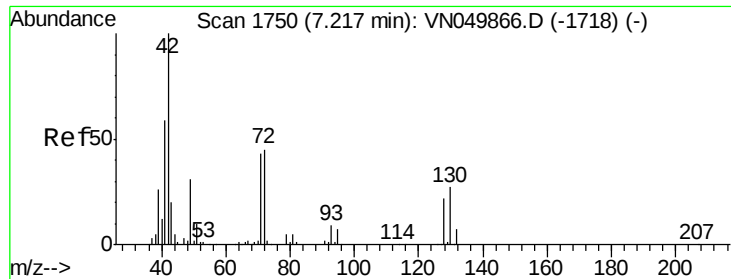
MMDadoda
 7/20/2018 11:08:07 AM



#28
 Bromochloromethane
 Concen: 21.29 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	118417		
129	2.1	0.0	4.2	
130	83.5	65.5	98.3	





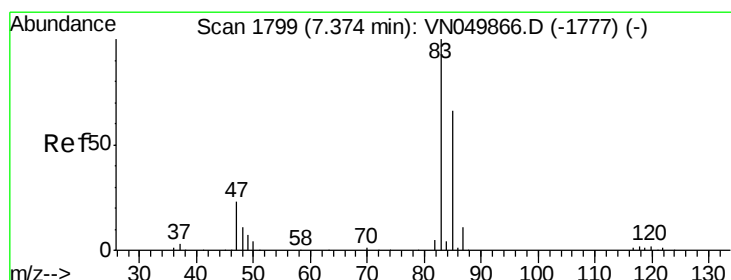
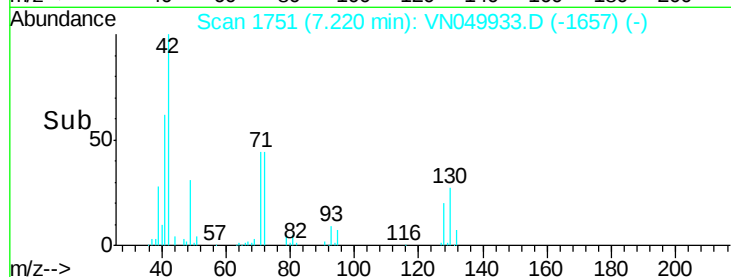
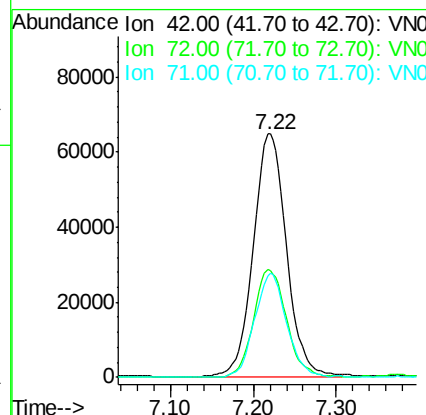
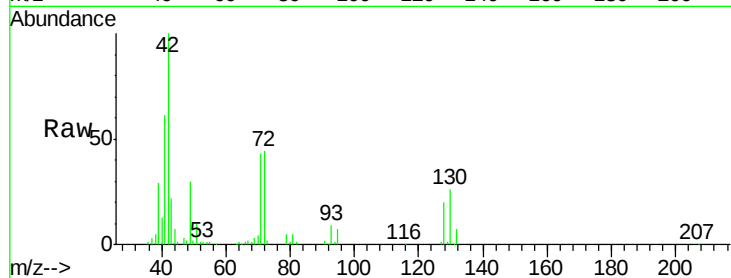
#29
Tetrahydrofuran
Concen: 102.03 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.6	53.4
71	41.3	34.0	51.0

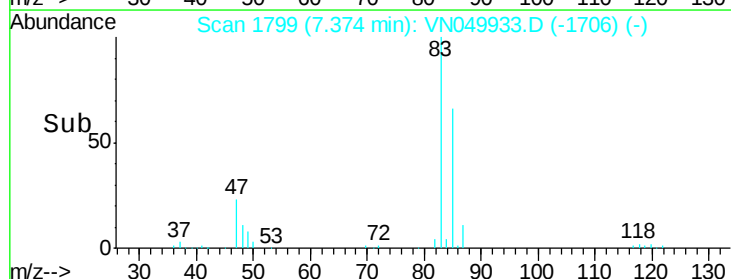
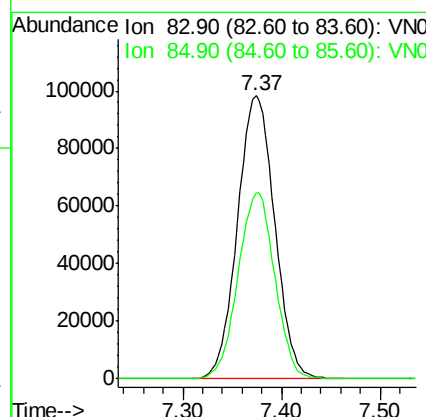
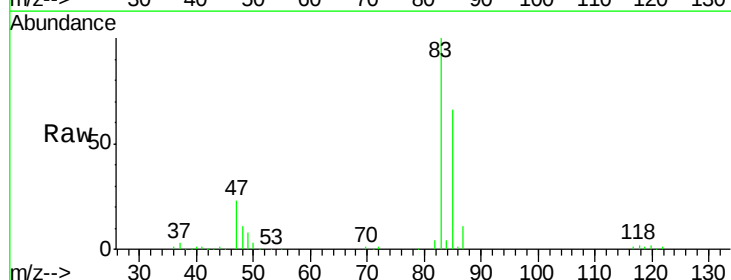
Manual Integrations
APPROVED

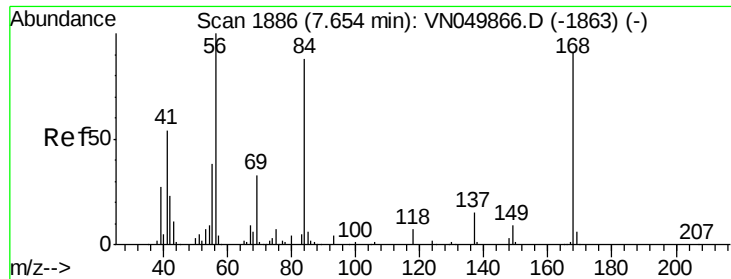
MMDadoda
7/20/2018 11:08:07 AM



#30
Chloroform
Concen: 20.39 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.4	77.2





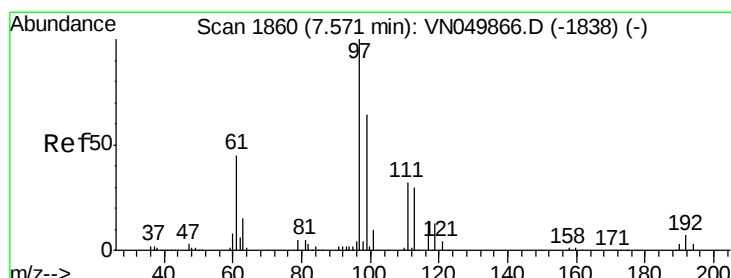
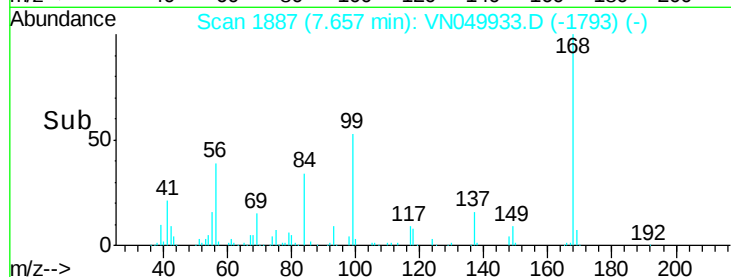
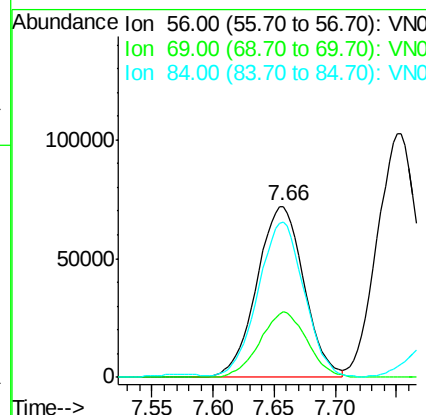
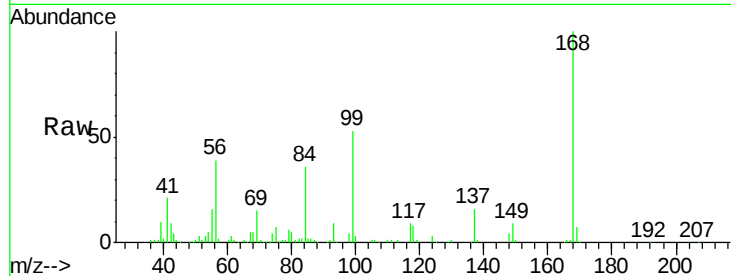
#31
Cyclohexane
Concen: 19.29 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampled :
VN0719WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.2	26.6	40.0
84	89.5	69.0	103.6

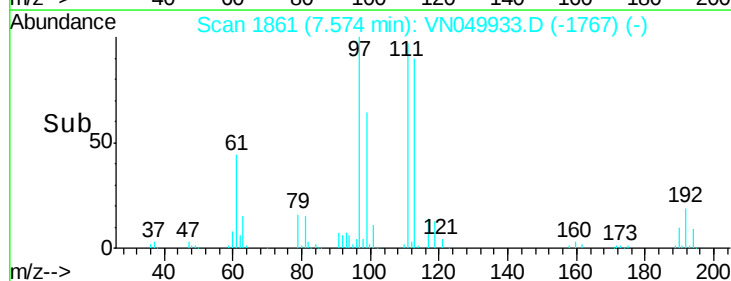
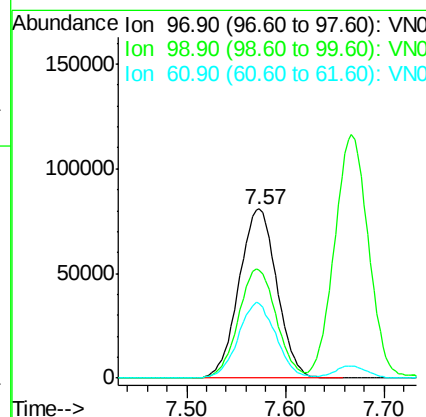
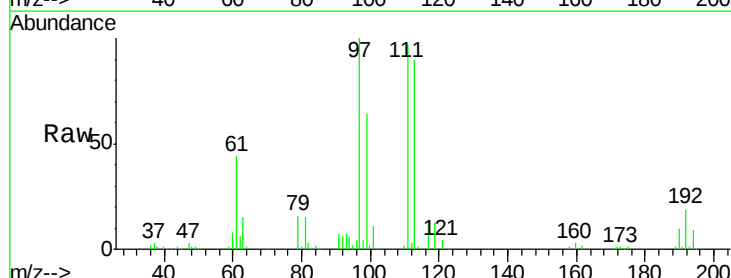
Manual Integrations
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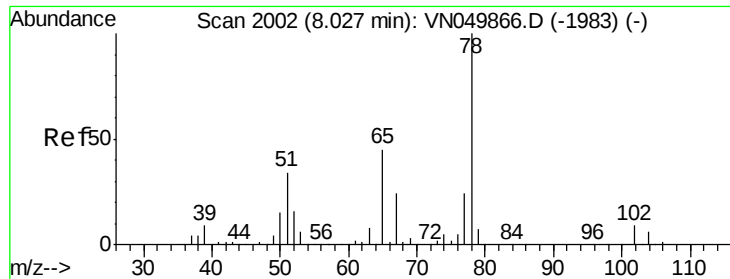
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#32
1,1,1-Trichloroethane
Concen: 19.70 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	44.4	35.5	53.3





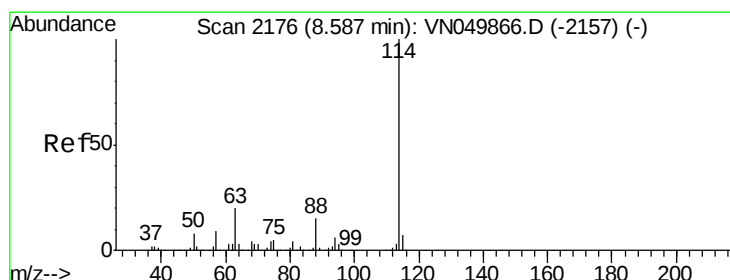
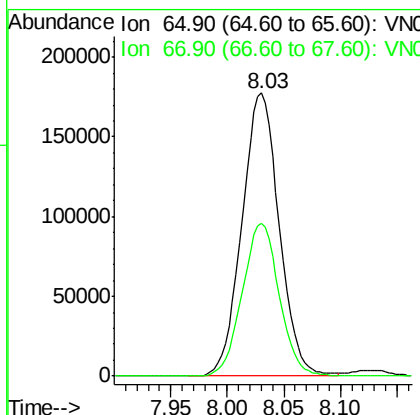
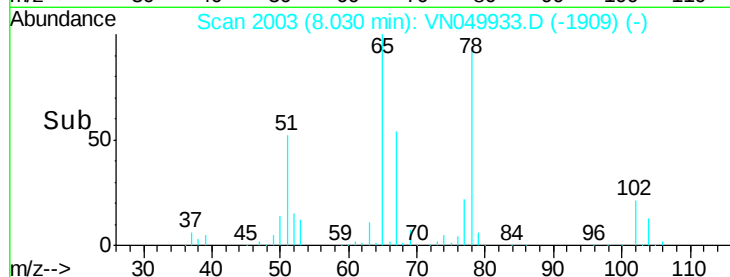
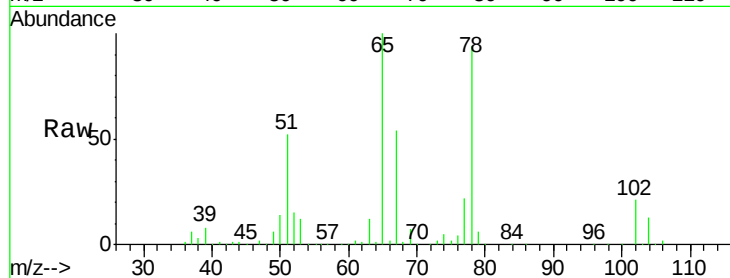
#33
 1,2-Dichloroethane-d4
 Concen: 53.81 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN0719WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	107.2	

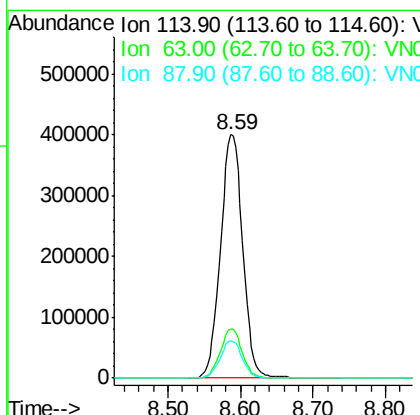
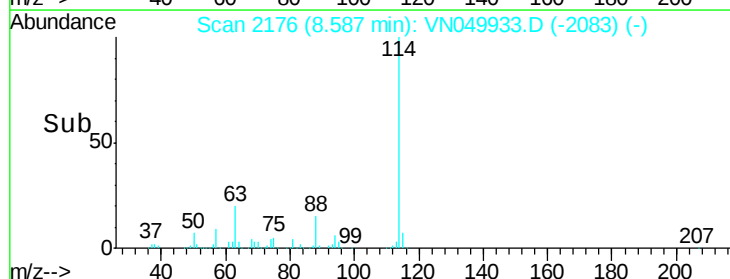
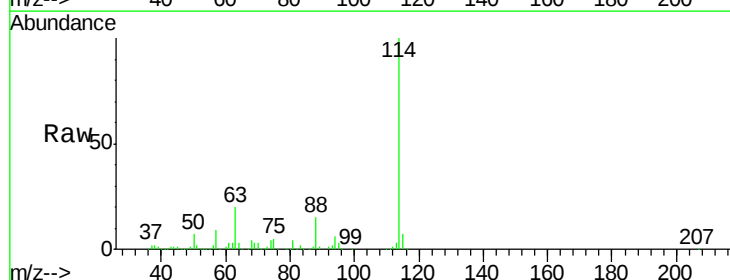
Manual Integrations
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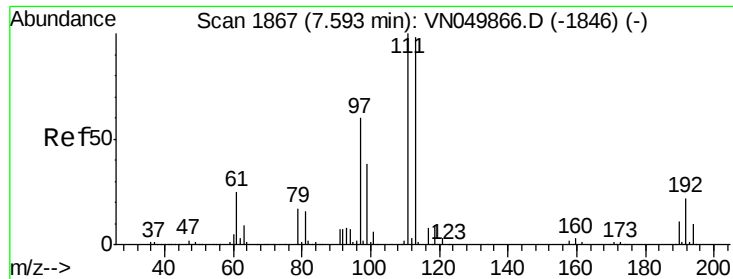
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.3	0.0	39.8	
88	15.3	0.0	30.6	





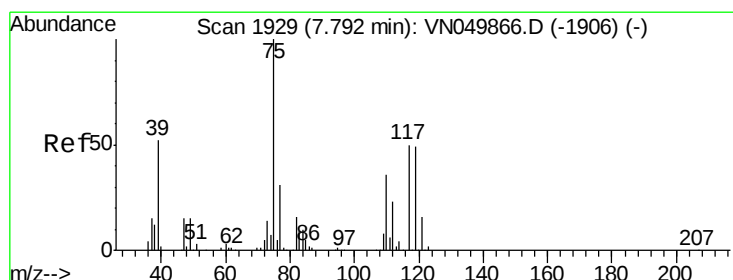
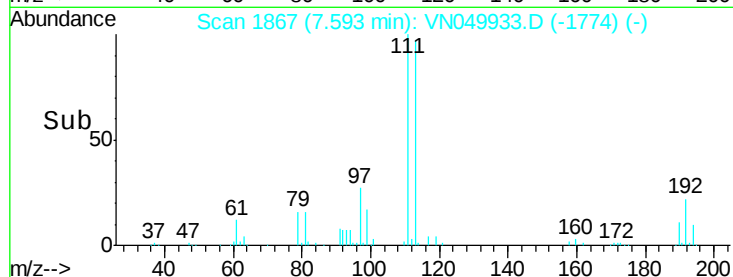
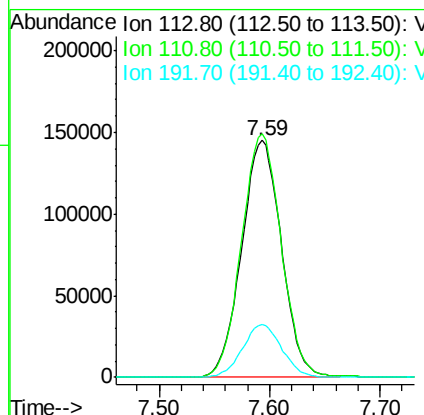
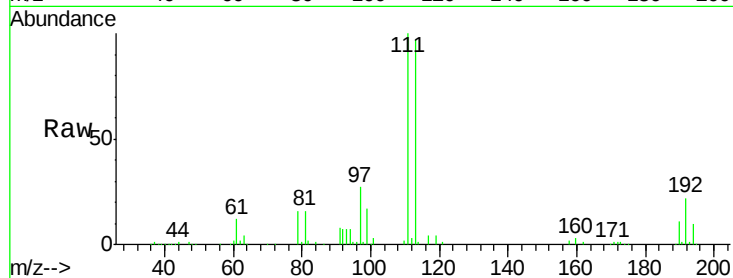
#35
 Dibromofluoromethane
 Concen: 50.92 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	363260		
111	102.8	81.8	122.8	
192	22.1	17.8	26.6	

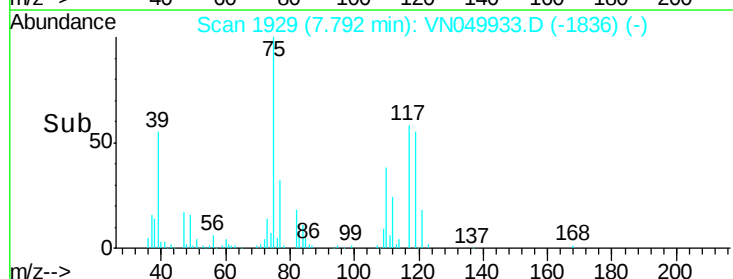
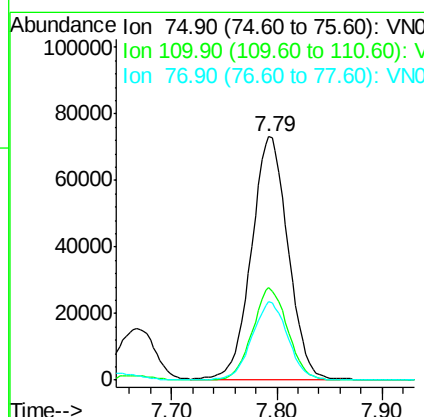
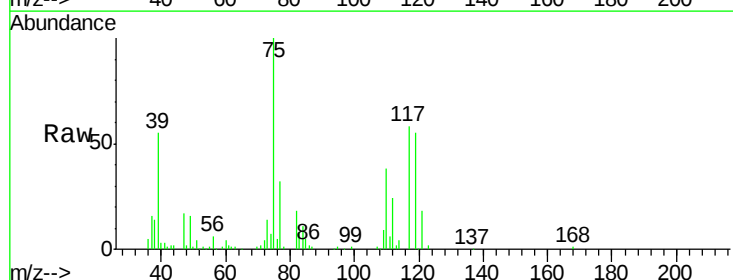
Manual Integrations
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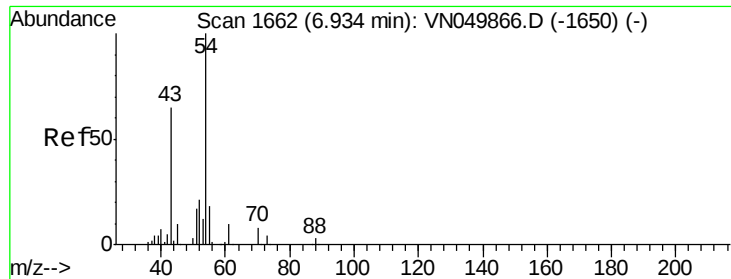
MMDadoda
 7/20/2018 11:08:07 AM



#36
 1,1-Dichloropropene
 Concen: 18.57 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	175429		
110	36.7	18.1	54.4	
77	31.9	24.9	37.3	





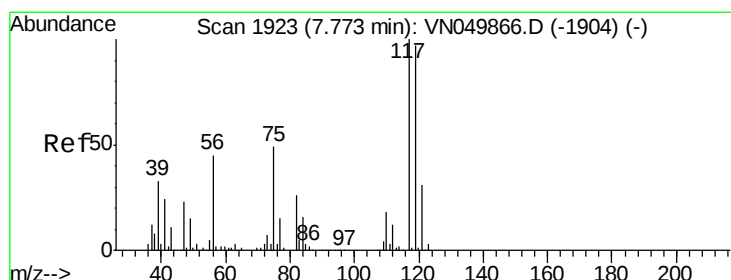
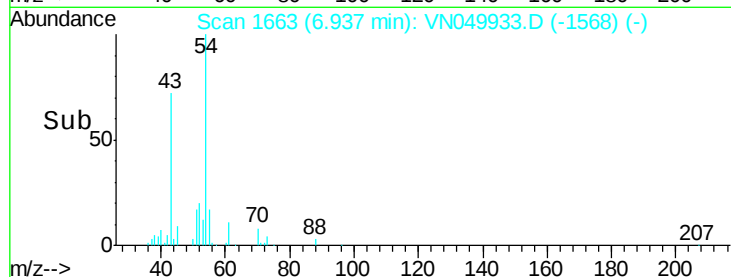
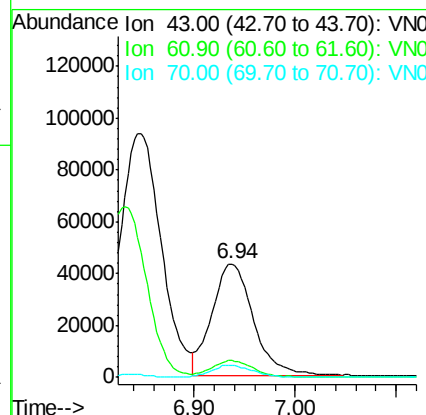
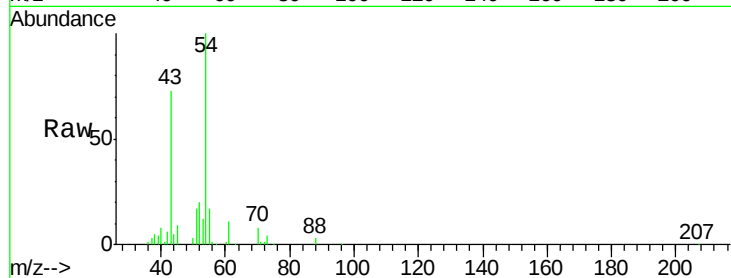
#37
Ethyl Acetate
Concen: 19.11 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.7	17.5
70	10.8	8.4	12.6

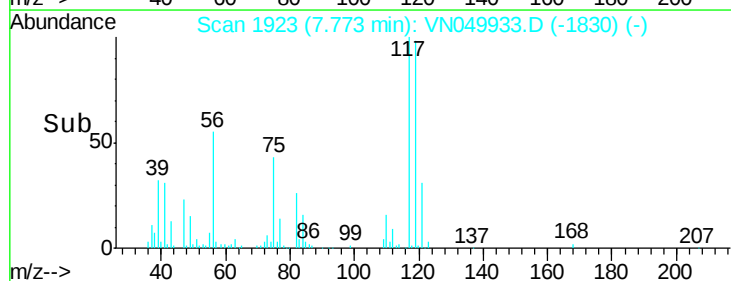
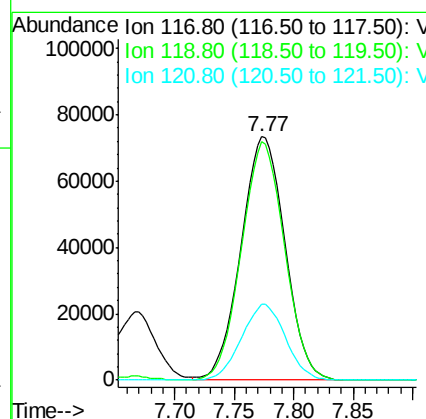
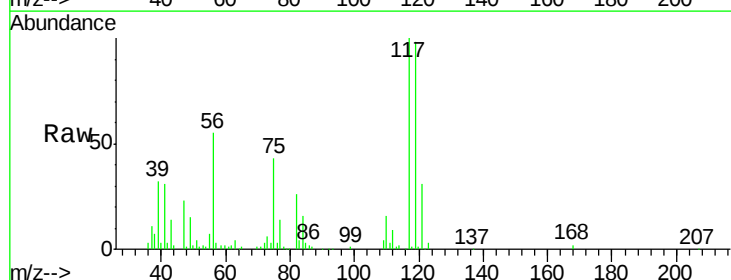
Manual Integrations
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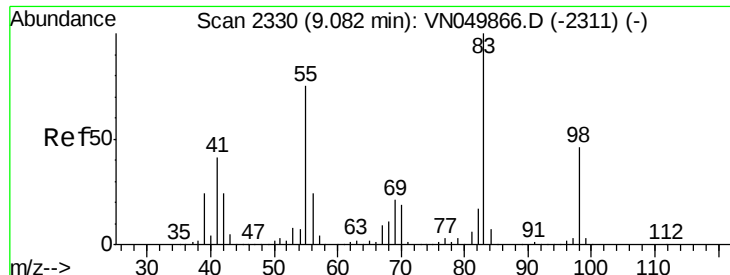
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#38
Carbon Tetrachloride
Concen: 18.61 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.2	115.8
121	31.1	25.0	37.6





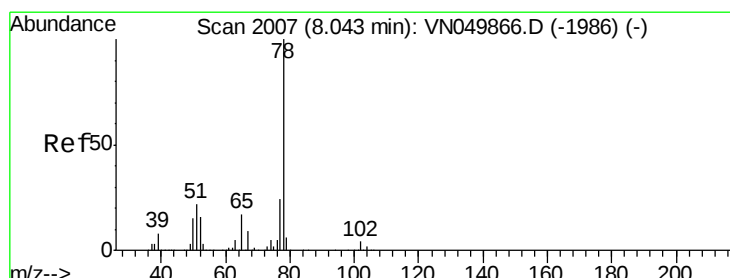
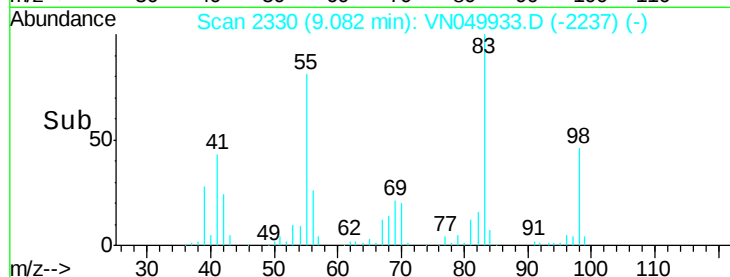
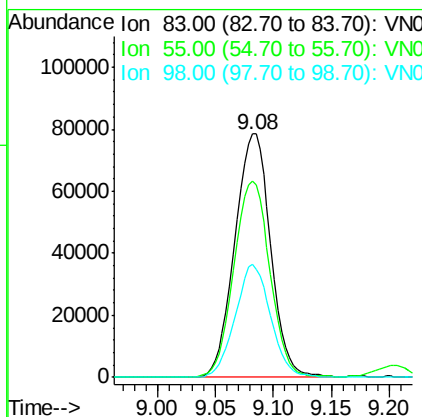
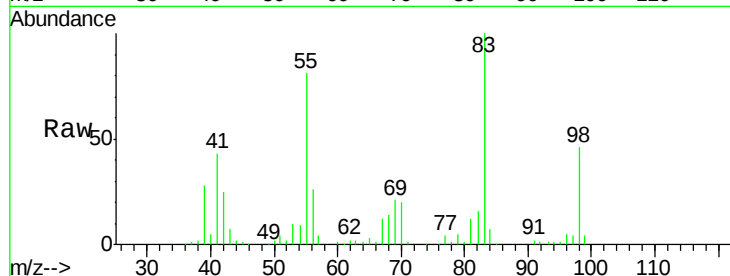
#39
Methvlcvclohexane
Concen: 17.27 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.8	59.7	89.5
98	46.2	36.5	54.7

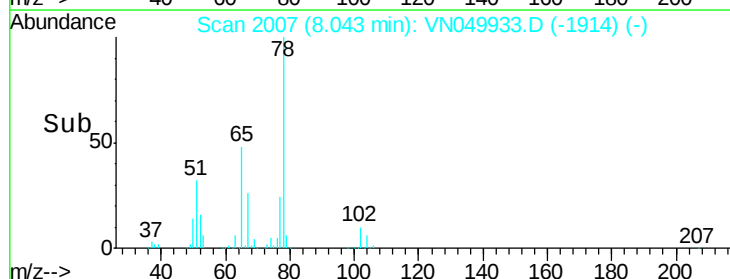
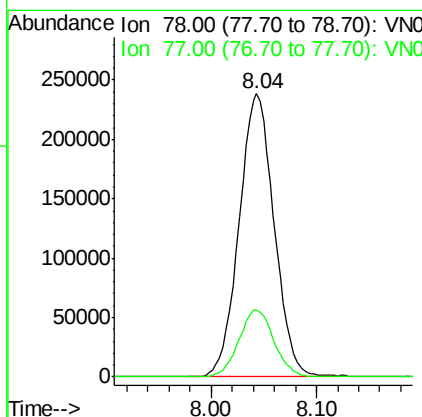
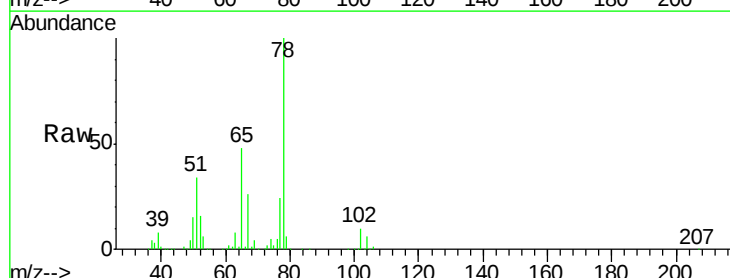
Manual Integrations
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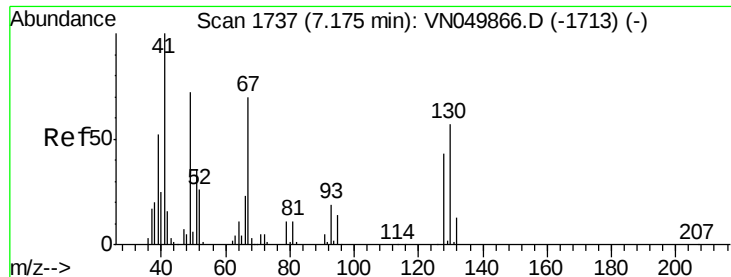
MMDadoda
7/20/2018 11:08:07 AM



#40
Benzene
Concen: 19.09 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4





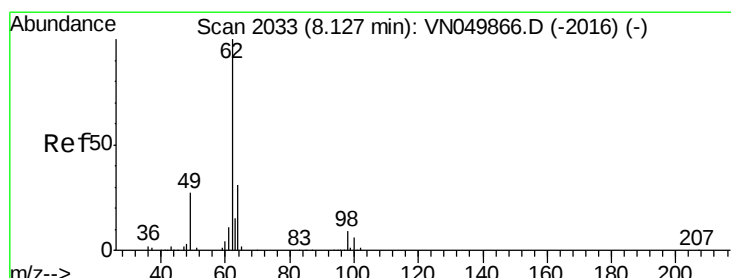
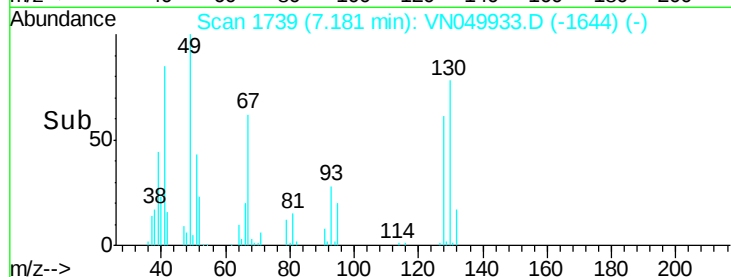
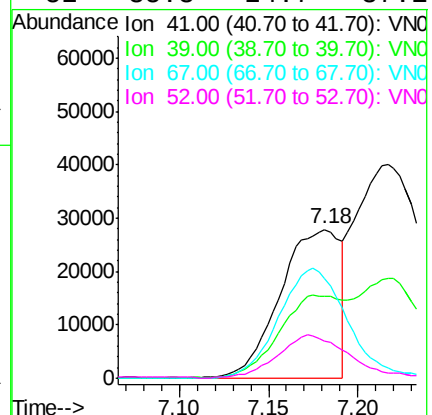
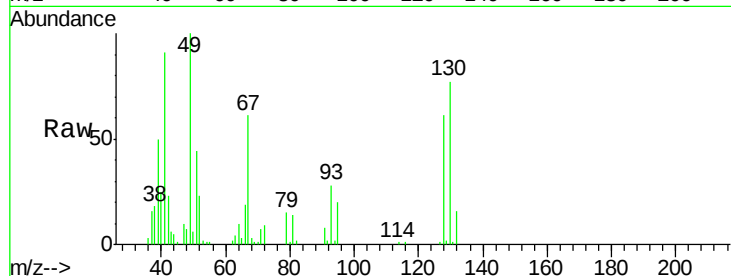
#41
Methacrylonitrile
Concen: 20.09 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

Tot Ion	41	Resp:	65355
Ion	Ratio	Lower	Upper
41	100		
39	56.2	45.4	68.2
67	85.2	65.4	98.0
52	35.3	24.7	37.1

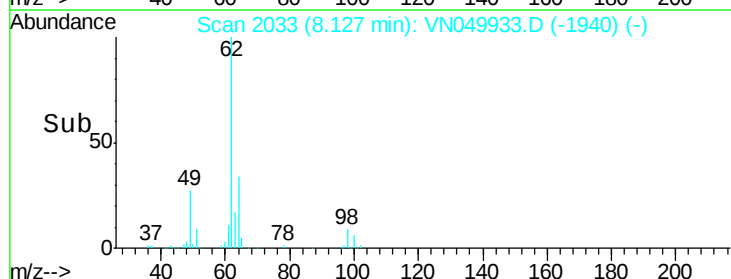
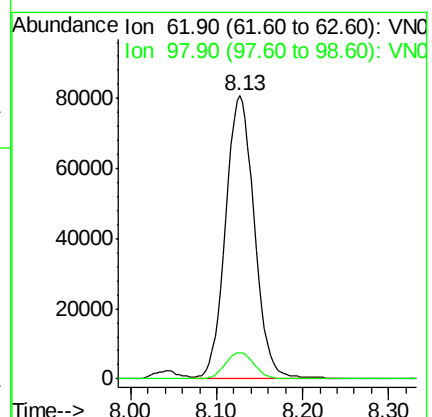
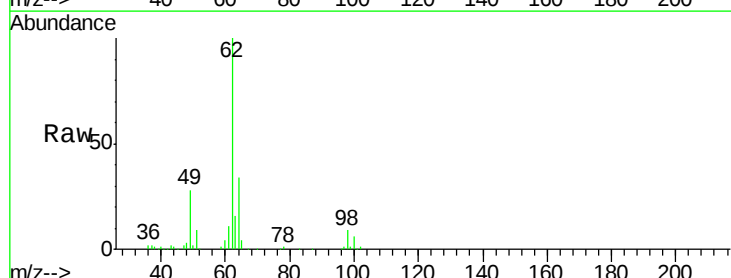
Manual Integrations
APPROVED

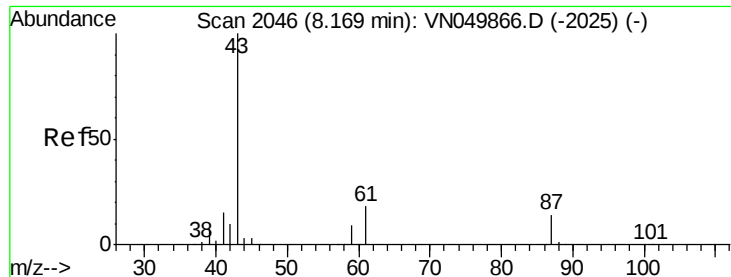
MMDadoda
7/20/2018 11:08:07 AM



#42
1,2-Dichloroethane
Concen: 19.62 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion	62	Resp:	187151
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0





#43

Isopropyl Acetate

Concen: 21.54 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

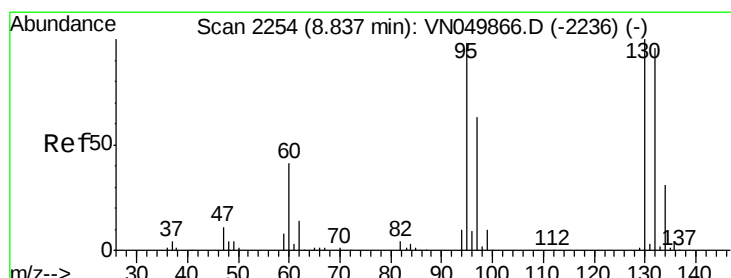
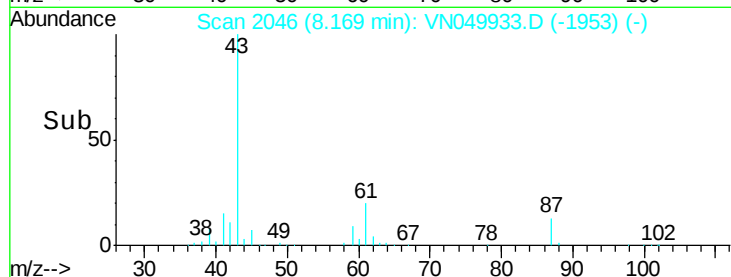
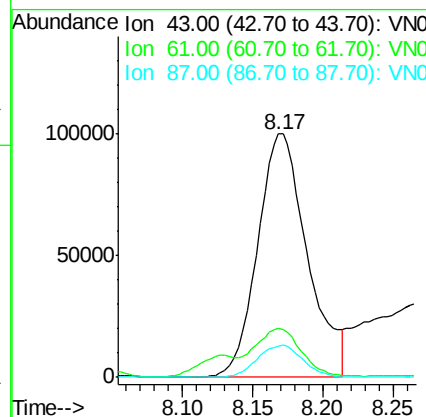
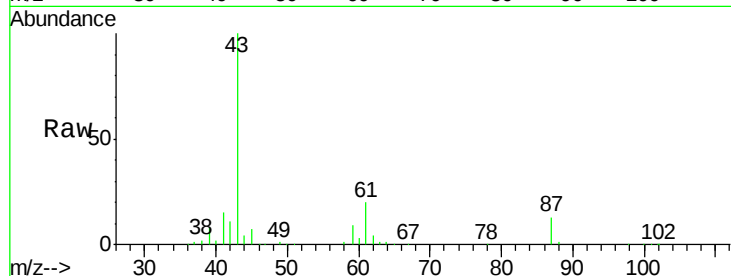
ClientSampleId :

VN0719WBS02

Tot Ion:	43	Resp:	244212
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.9	22.3
87	12.3	10.0	15.0

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#44

Trichloroethene

Concen: 19.06 ug/l

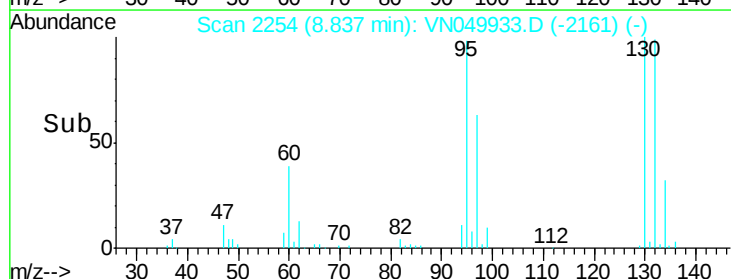
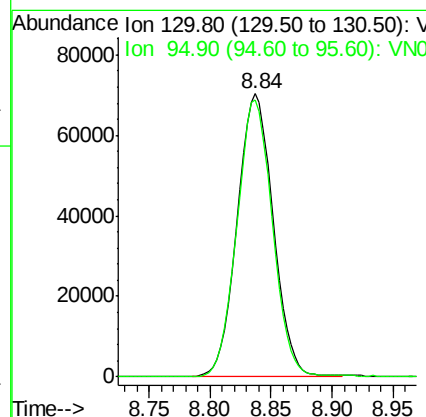
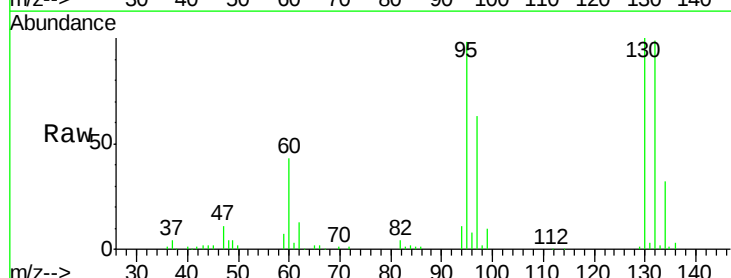
RT: 8.84 min Scan# 2254

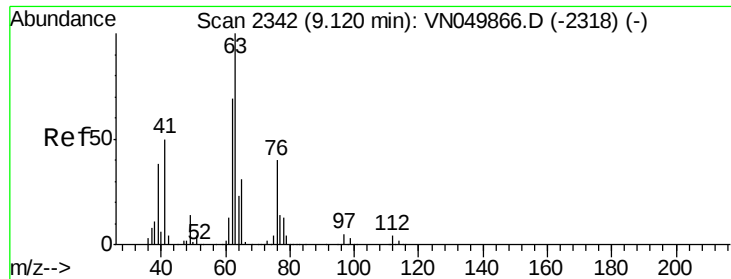
Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Tgt Ion:	130	Resp:	143942
Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	192.8





#45

1,2-Dichloropropane

Concen: 19.14 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampled :

VN0719WBS02

Tot Ion: 63 Resp: 148708

Ion Ratio Lower Upper

63 100

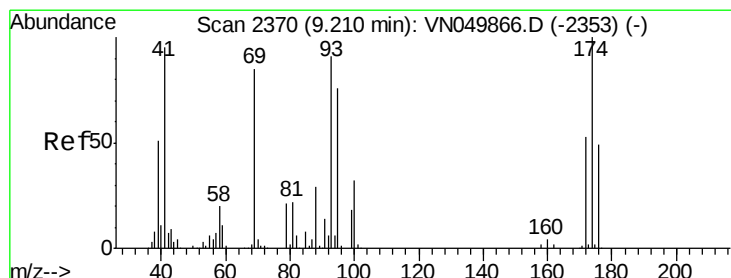
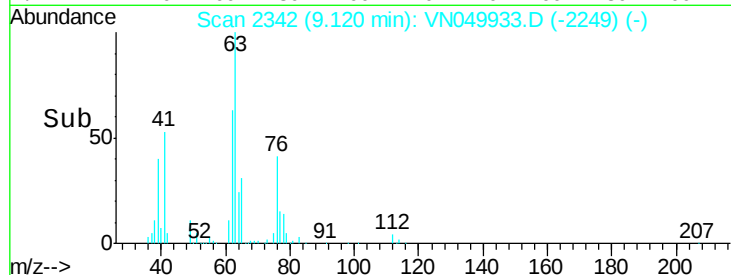
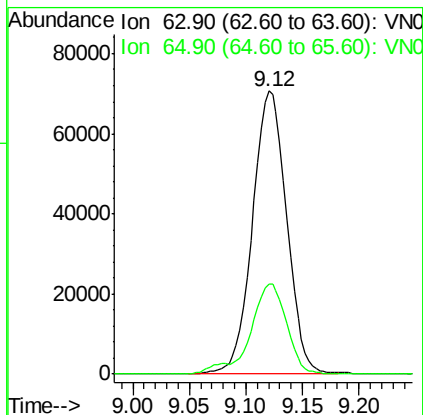
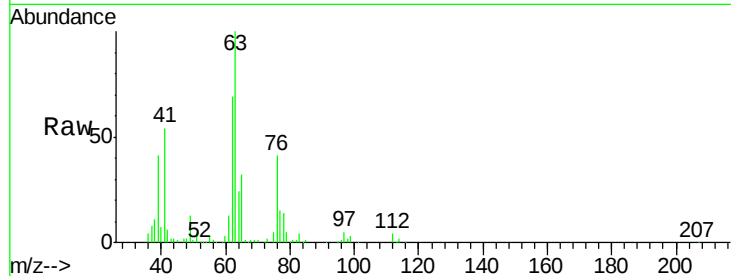
65 32.0 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 18.92 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

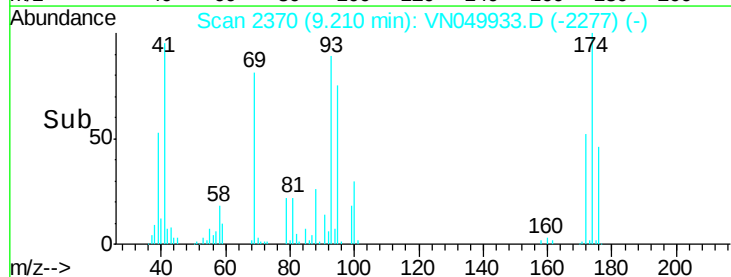
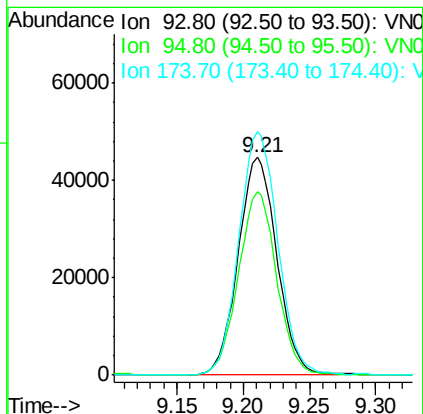
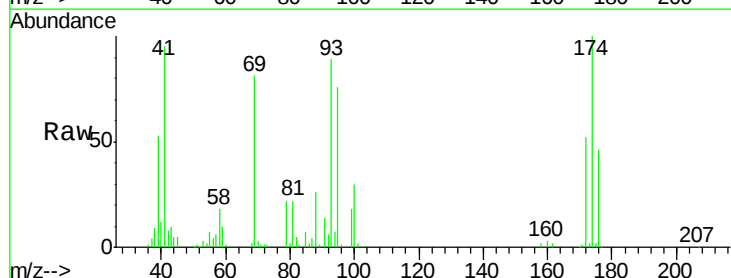
Tgt Ion: 93 Resp: 91158

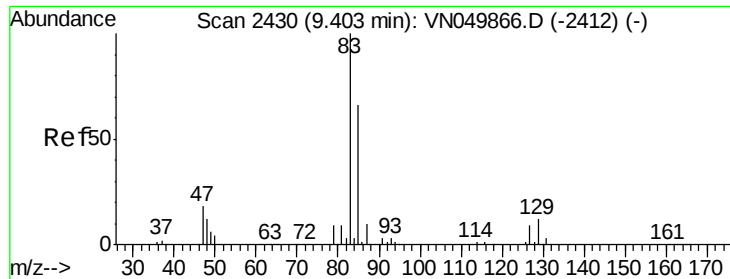
Ion Ratio Lower Upper

93 100

95 83.2 67.9 101.9

174 112.4 89.4 134.0





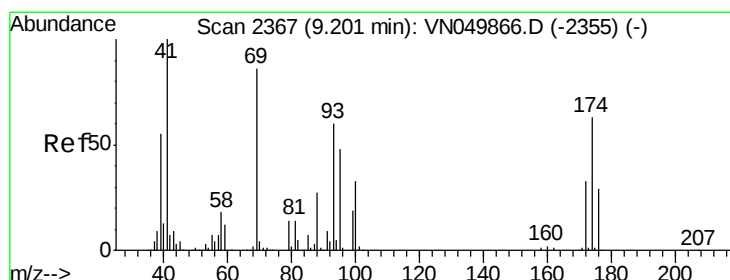
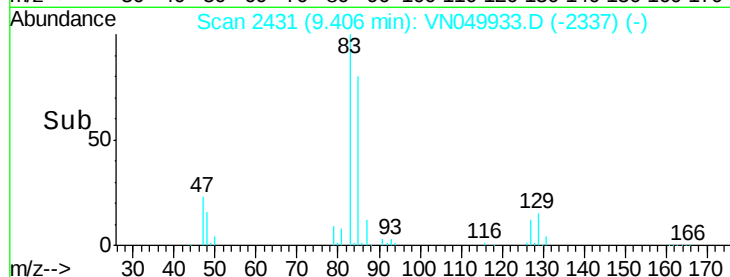
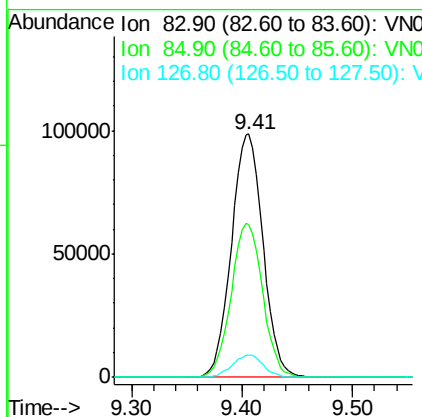
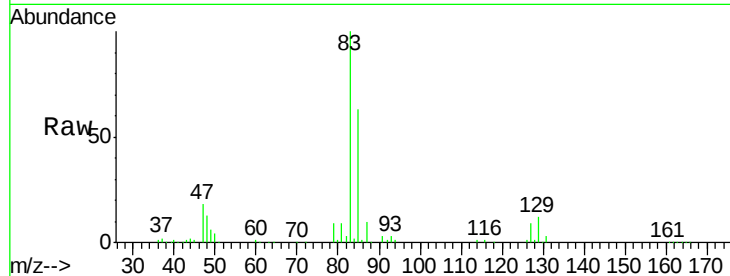
#47
Bromodichloromethane
Concen: 19.60 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	195344		
85	62.6	50.5	75.7	
127	9.3	6.8	10.2	

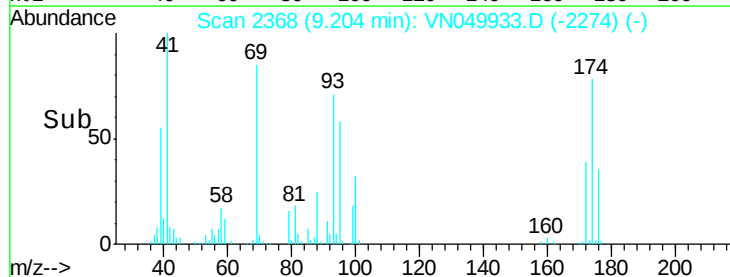
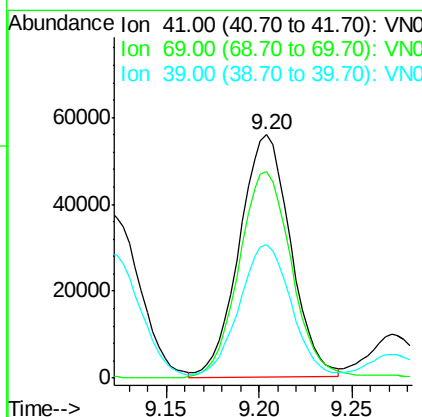
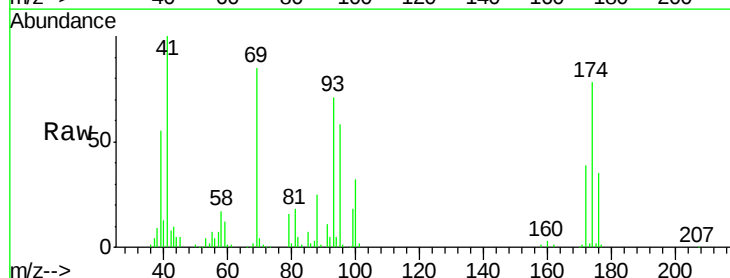
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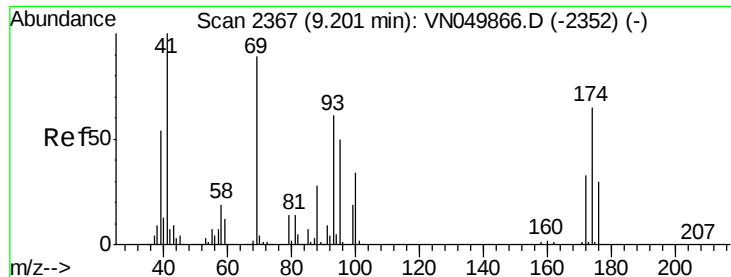
MMDadoda
7/20/2018 11:08:07 AM



#48
Methyl methacrylate
Concen: 18.86 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	107248		
69	88.5	71.5	107.3	
39	56.0	44.7	67.1	





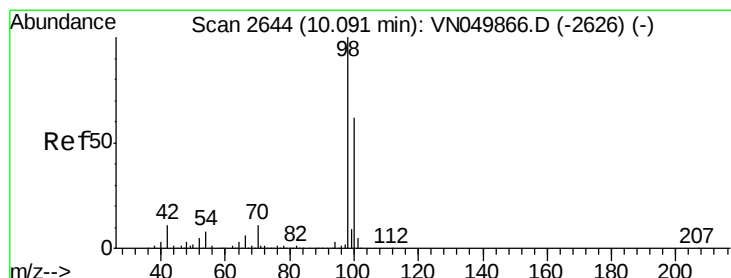
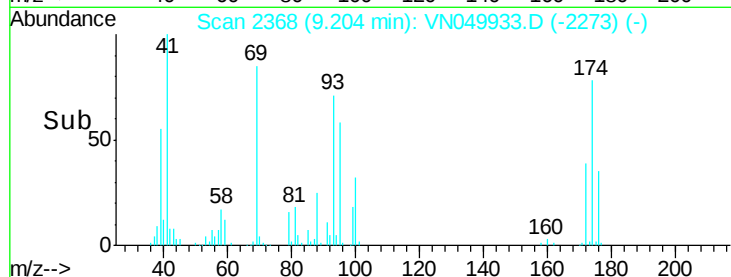
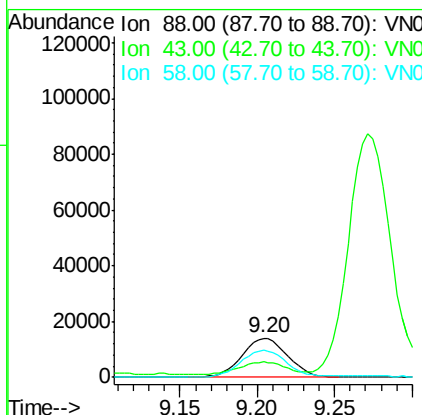
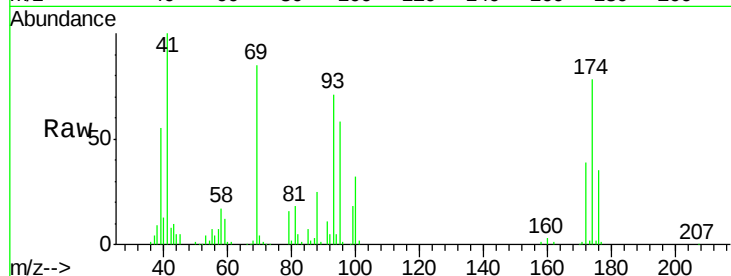
#49
1,4-Dioxane
Concen: 362.40 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	25.1	37.7
58	69.1	52.5	78.7

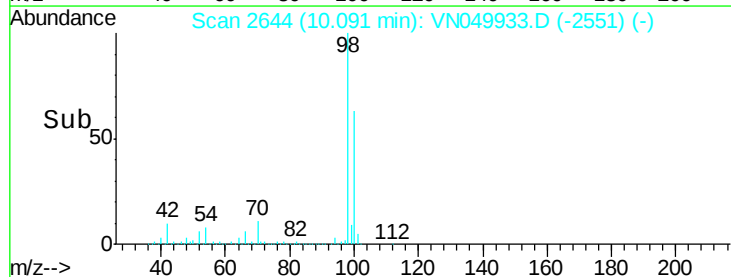
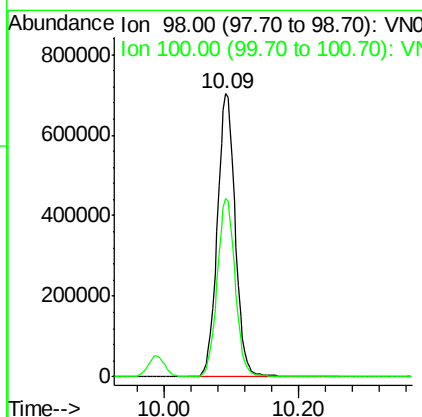
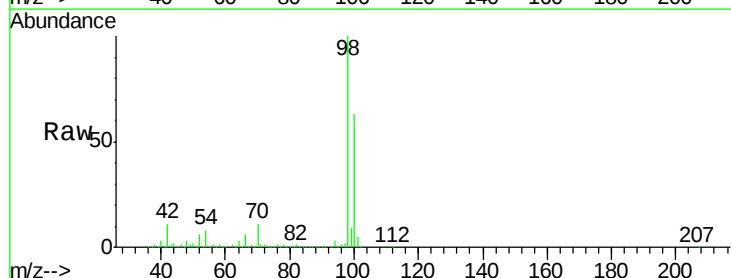
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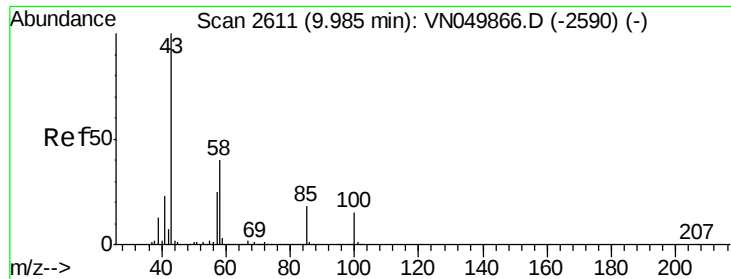
MMDadoda
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#50
Toluene-d8
Concen: 50.29 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.7	77.5





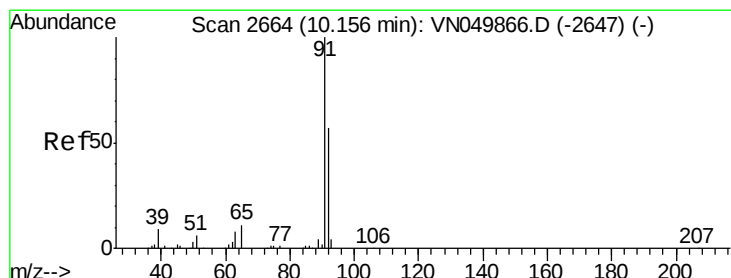
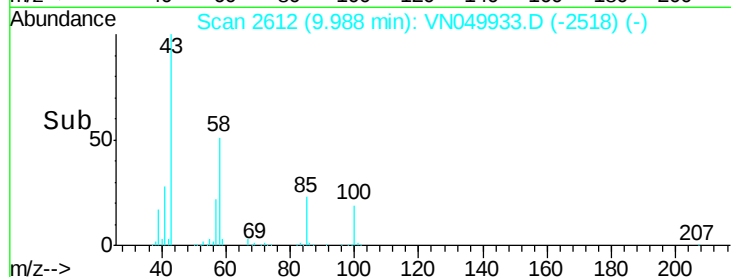
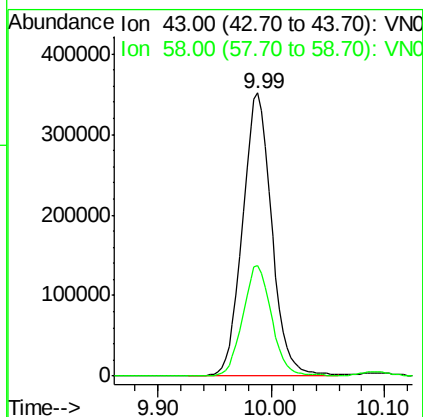
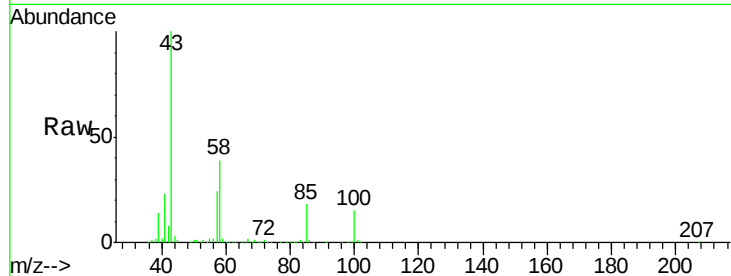
#51
4-Methyl-2-Pentanone
Concen: 99.07 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampled :
VN0719WBS02

Tot Ion	43	Resp	627767
Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.8	47.8

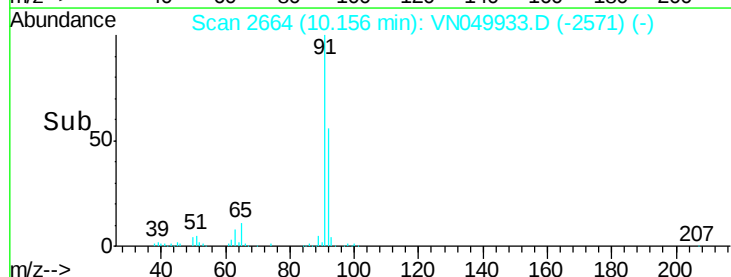
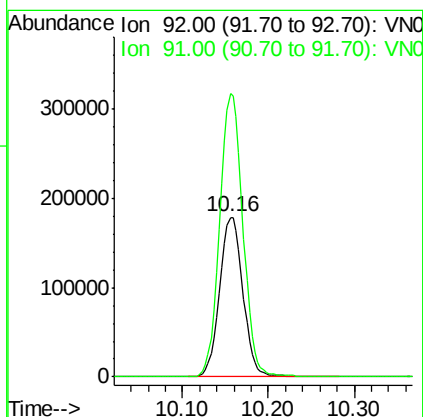
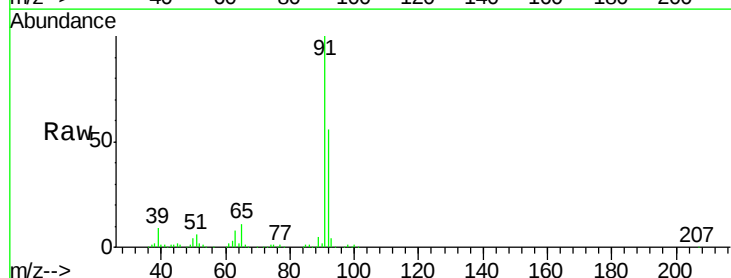
Manual Integrations
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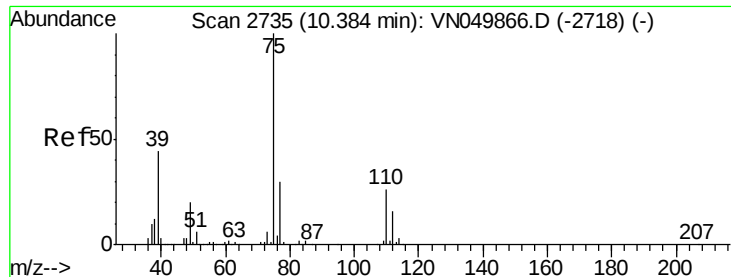
MMDadoda
7/20/2018 11:08:07 AM



#52
Toluene
Concen: 19.63 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion	92	Resp	337174
Ion	Ratio	Lower	Upper
92	100		
91	176.9	140.1	210.1





#53

t-1,3-Dichloropropene

Concen: 18.24 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampled :

VN0719WBS02

Tot Ion: 75 Resp: 179689

Ion Ratio Lower Upper

75 100

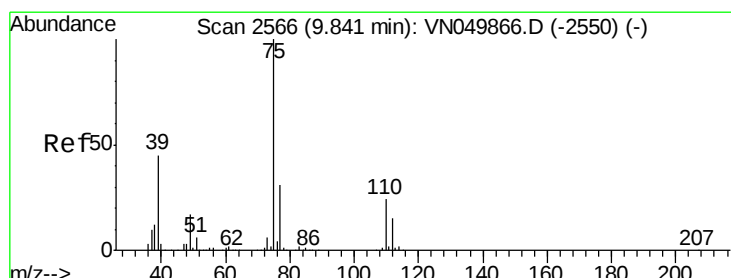
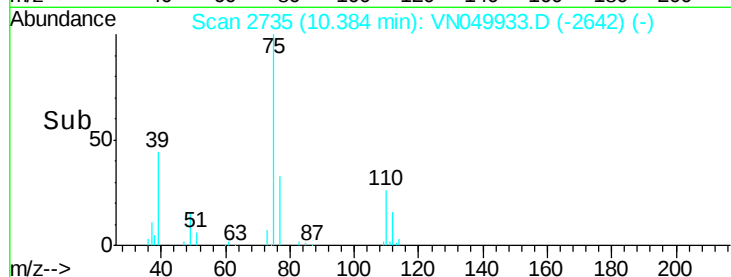
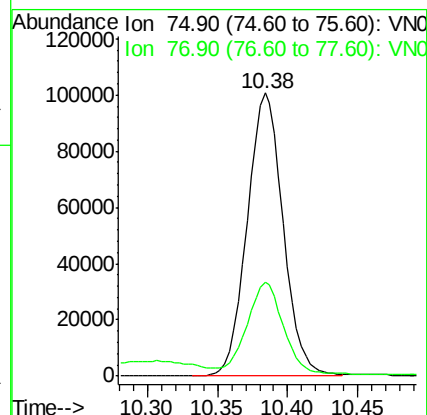
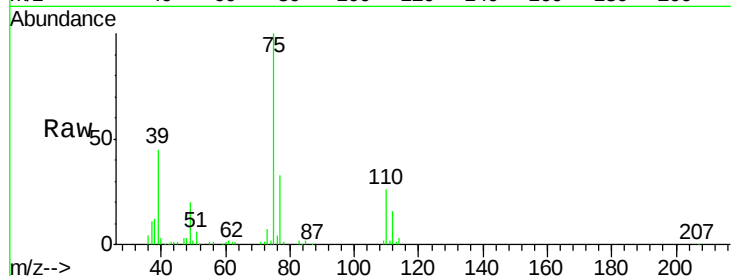
77 32.2 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.93 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

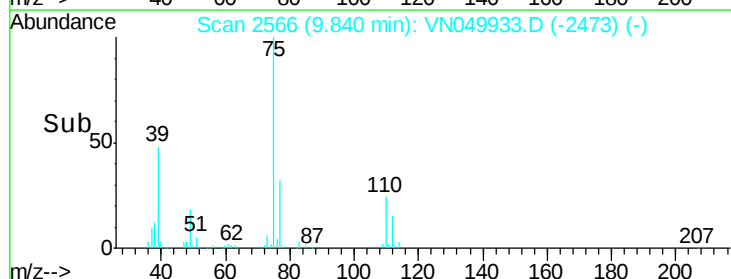
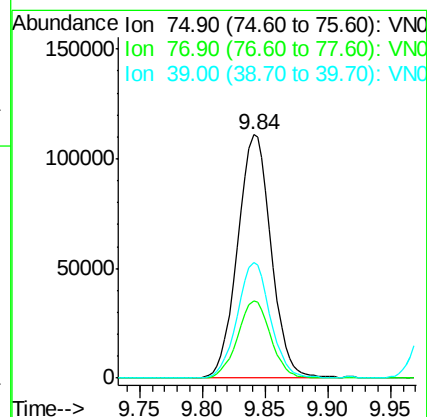
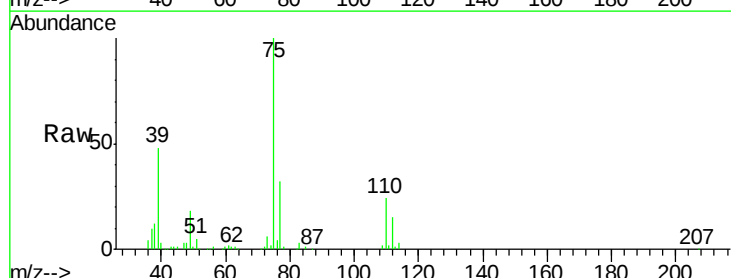
Tgt Ion: 75 Resp: 206173

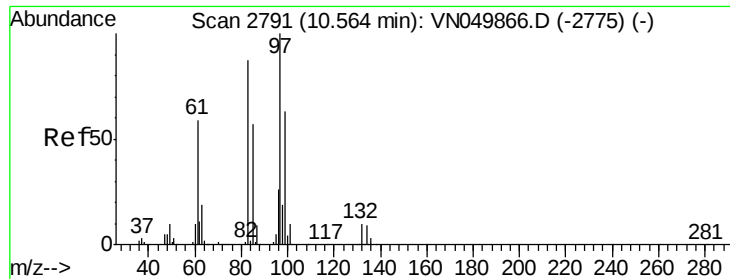
Ion Ratio Lower Upper

75 100

77 31.8 25.3 37.9

39 47.5 35.5 53.3





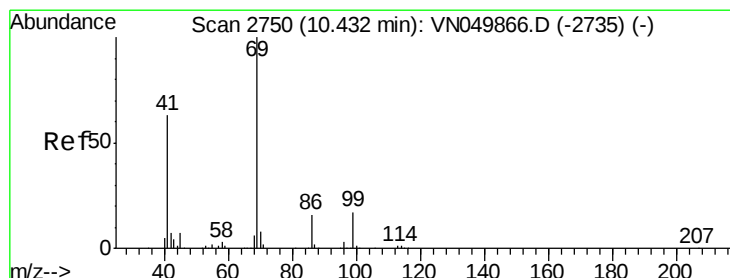
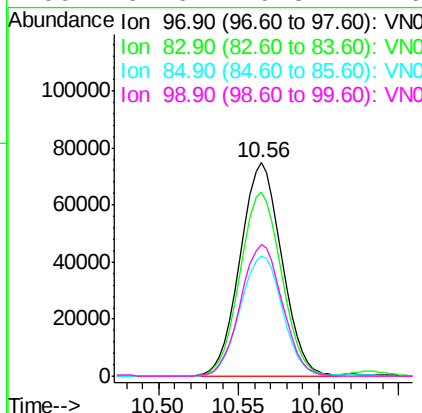
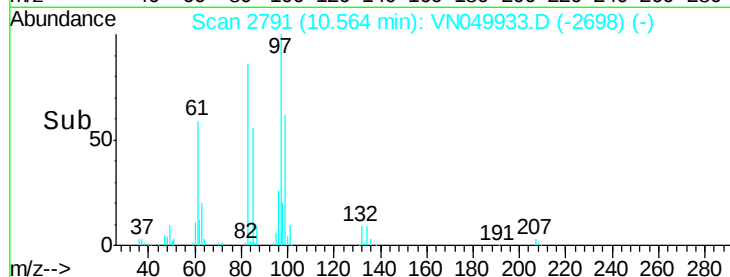
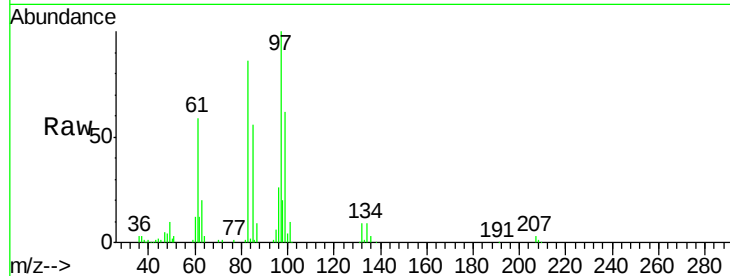
#55
 1,1,2-Trichloroethane
 Concen: 18.79 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN0719WBS02

Tot Ion:	97	Resp:	133323
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.0	103.6
85	56.4	44.9	67.3
99	61.6	49.8	74.6

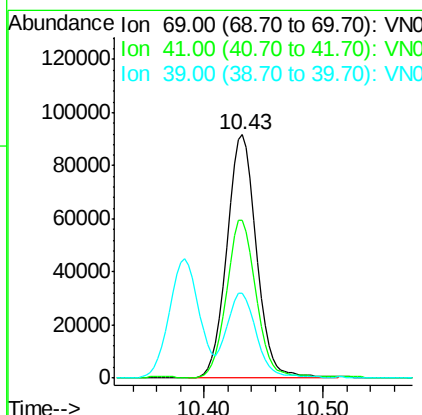
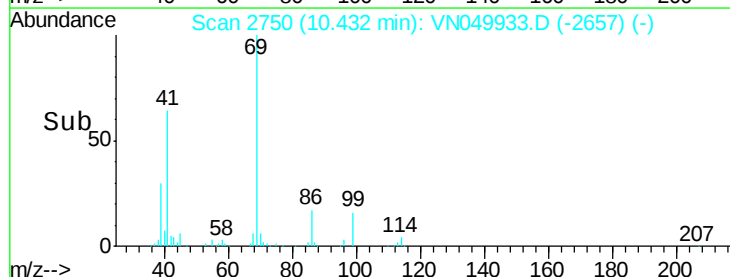
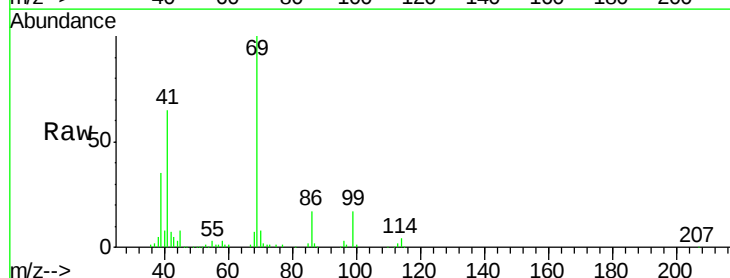
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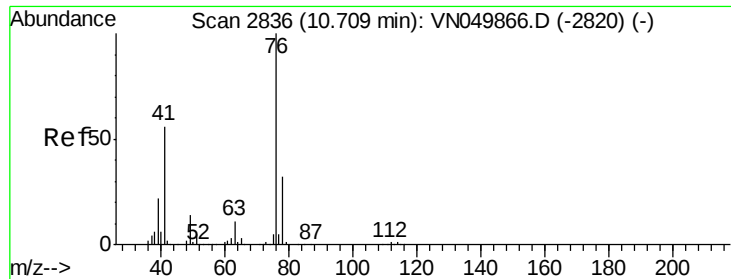
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#56
 Ethyl methacrylate
 Concen: 18.04 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion:	69	Resp:	158209
Ion	Ratio	Lower	Upper
69	100		
41	64.8	51.6	77.4
39	34.4	25.8	38.8





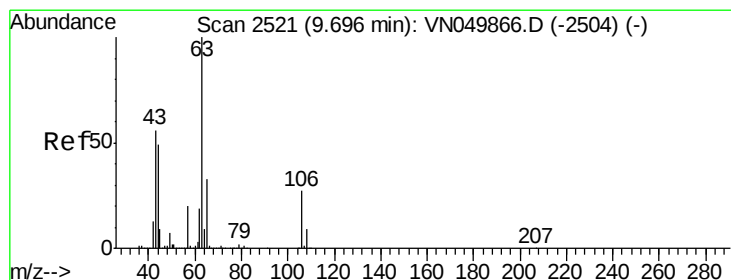
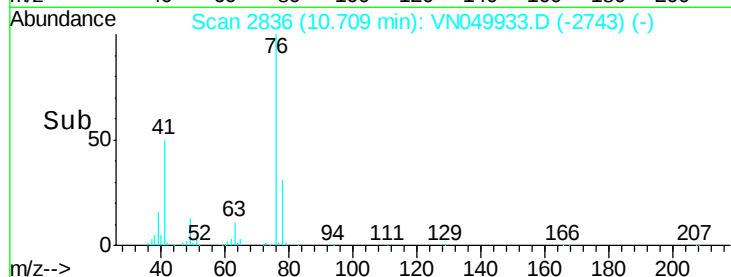
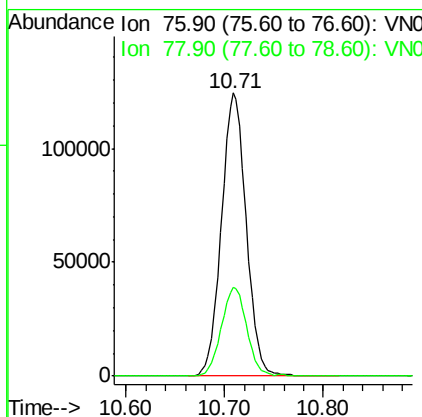
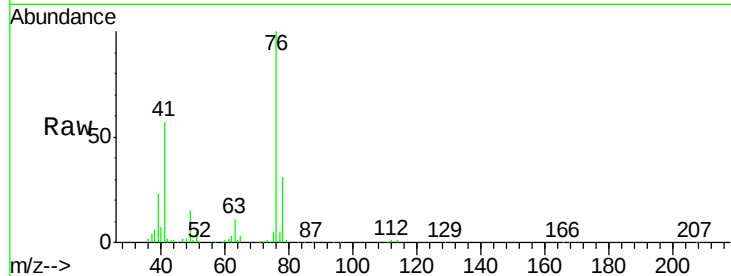
#57
 1,3-Dichloropropane
 Concen: 19.62 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

Tot Ion: 76 Resp: 219297
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

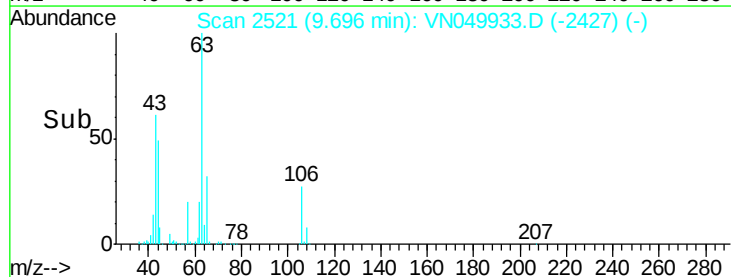
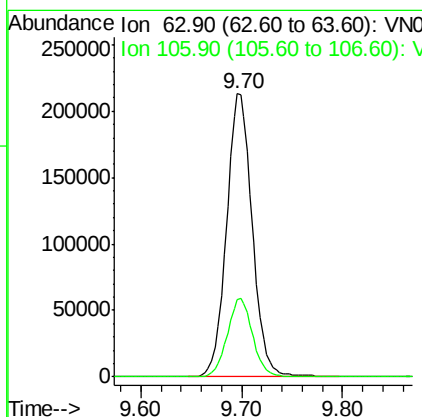
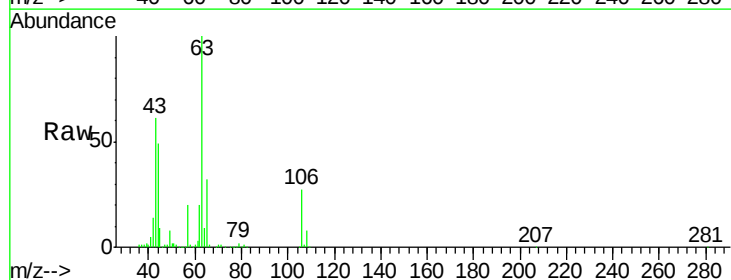
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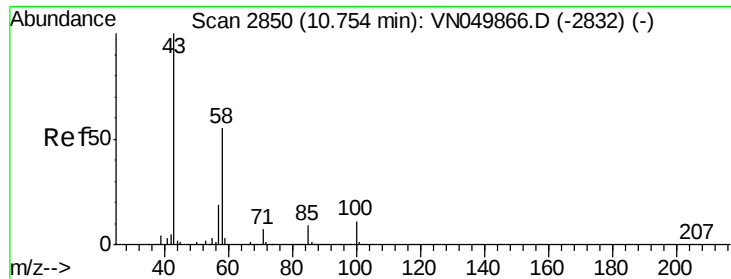
MMDadoda
 7/20/2018 11:08:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.12 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion: 63 Resp: 379307
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.8 32.8





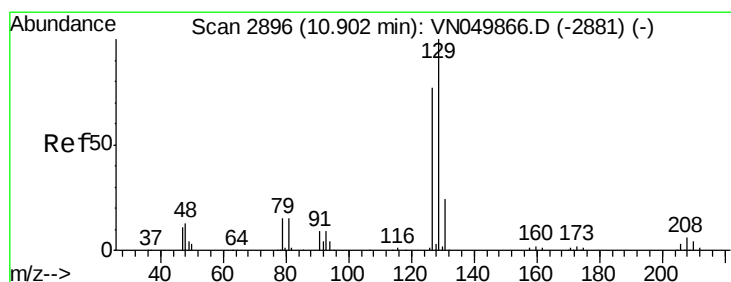
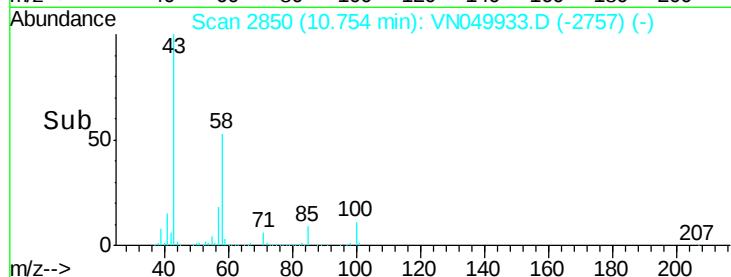
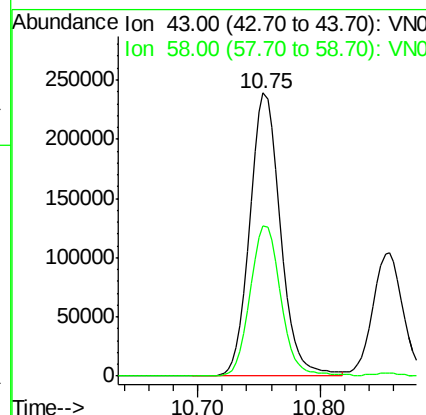
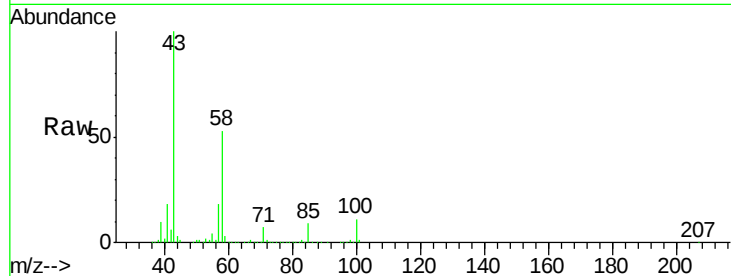
#59
2-Hexanone
Concen: 96.18 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

Tot Ion: 43 Resp: 409370
Ion Ratio Lower Upper
43 100
58 53.6 27.8 83.4

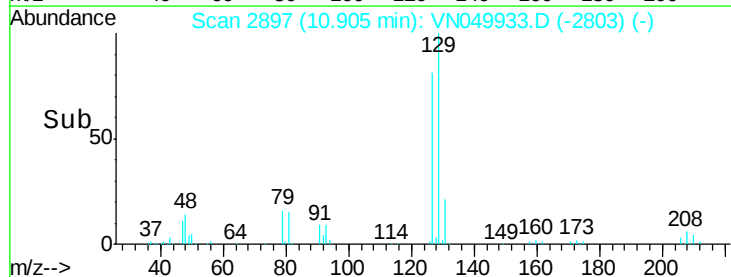
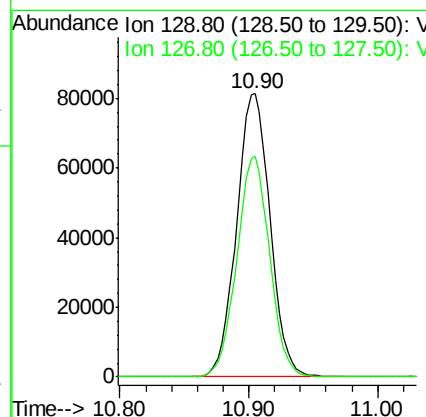
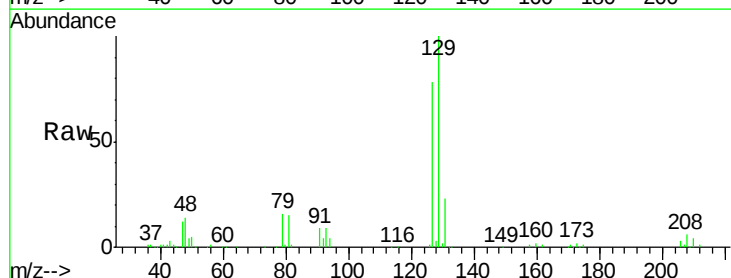
Manual Integrations
APPROVED

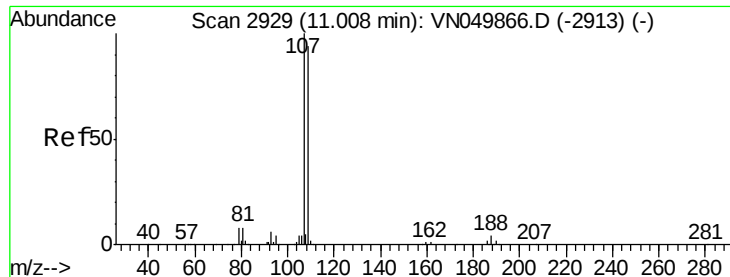
MMDadoda
7/20/2018 11:08:07 AM



#60
Dibromochloromethane
Concen: 18.87 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion: 129 Resp: 146844
Ion Ratio Lower Upper
129 100
127 76.3 38.3 114.9





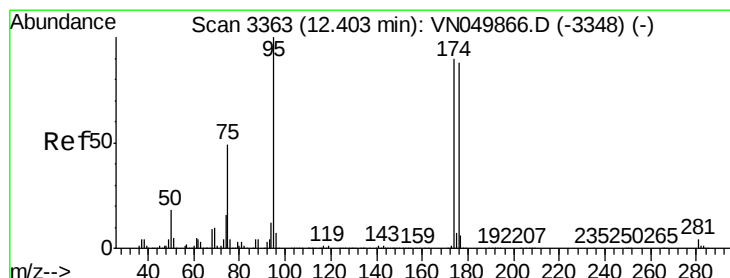
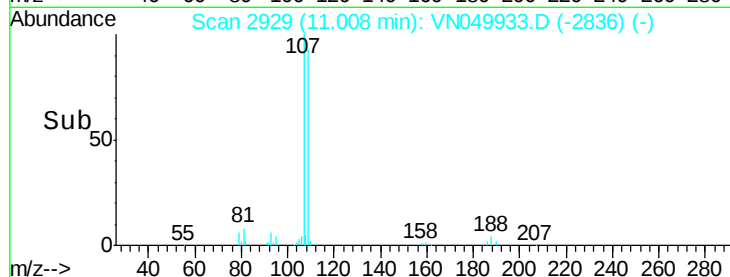
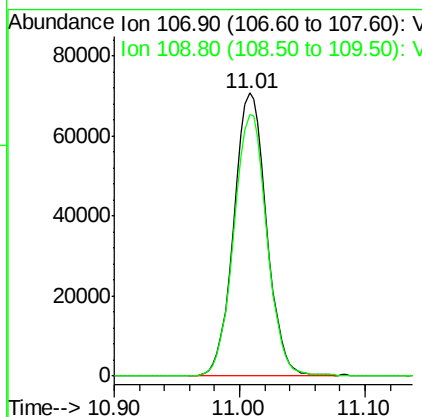
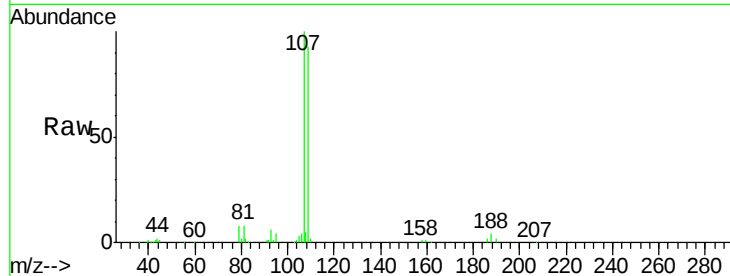
#61
 1,2-Dibromoethane
 Concen: 19.37 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.0	112.6

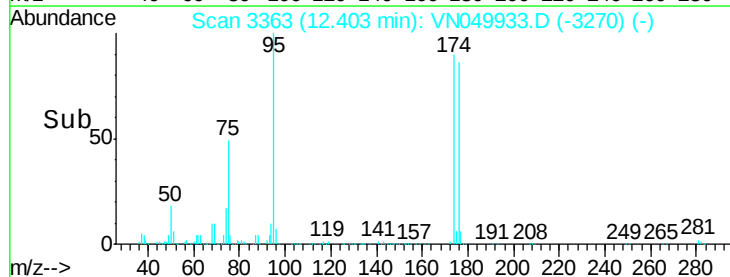
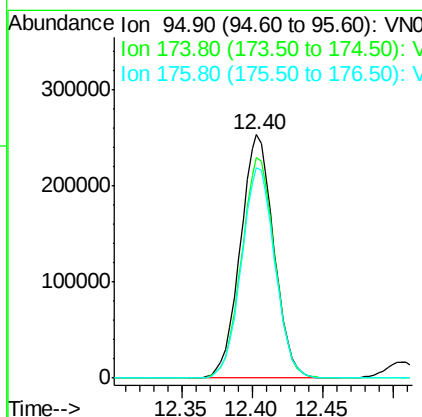
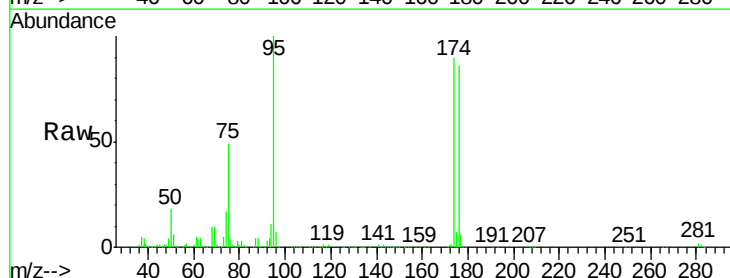
Manual Integrations
 APPROVED

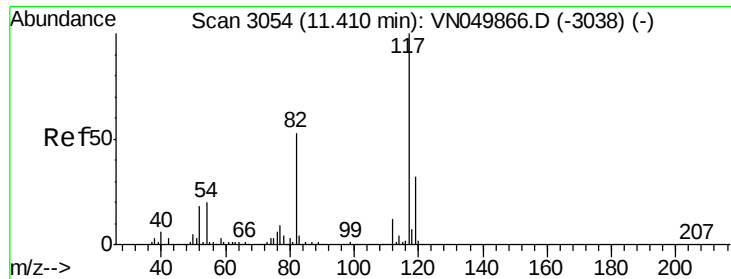
MMDadoda
 7/20/2018 11:08:07 AM



#62
 4-Bromofluorobenzene
 Concen: 47.04 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	0.0	179.6
176	86.7	0.0	174.0





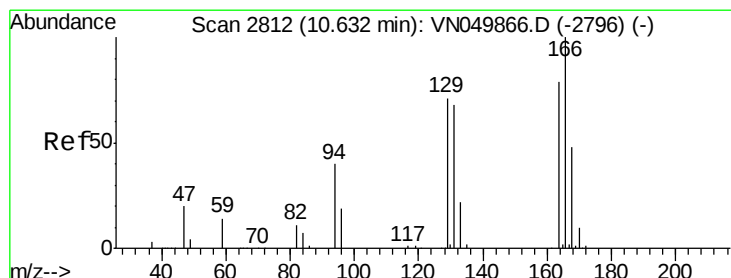
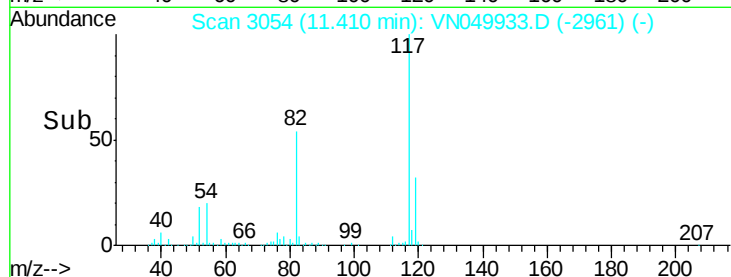
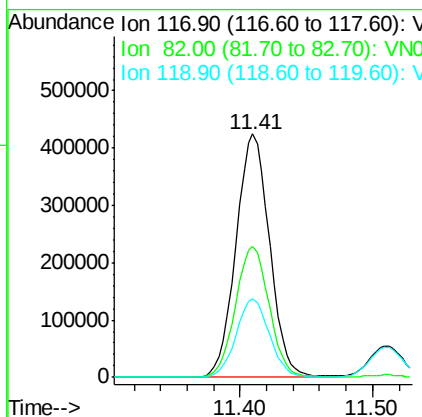
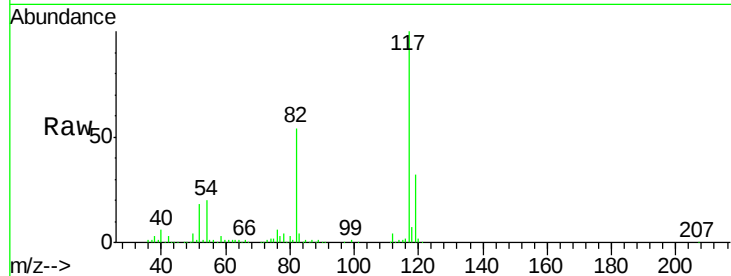
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	41.9	62.9
119	32.3	25.4	38.2

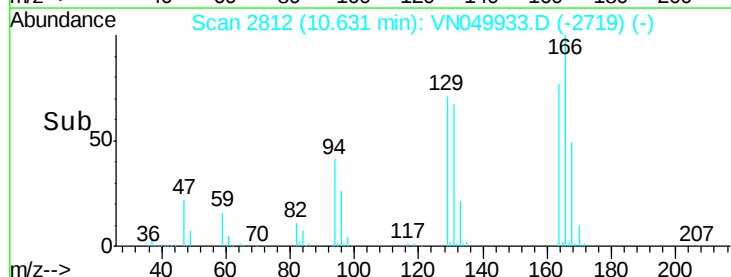
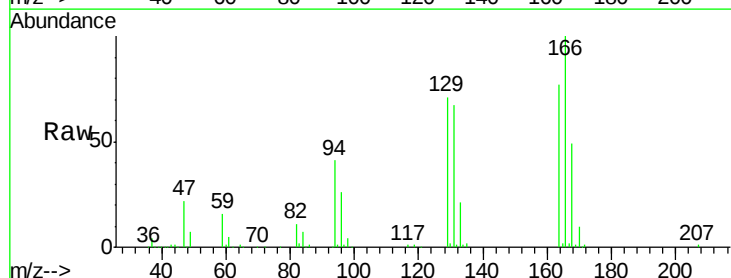
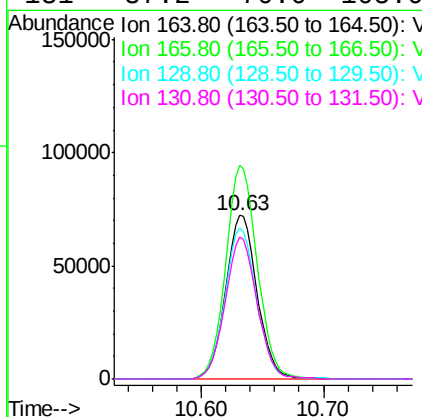
Manual Integrations
APPROVED

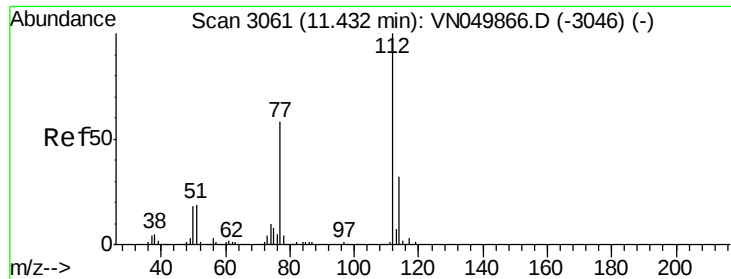
MMDadoda
7/20/2018 11:08:07 AM



#64
Tetrachloroethene
Concen: 19.42 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	101.8	152.6
129	92.4	72.8	109.2
131	87.2	70.0	105.0





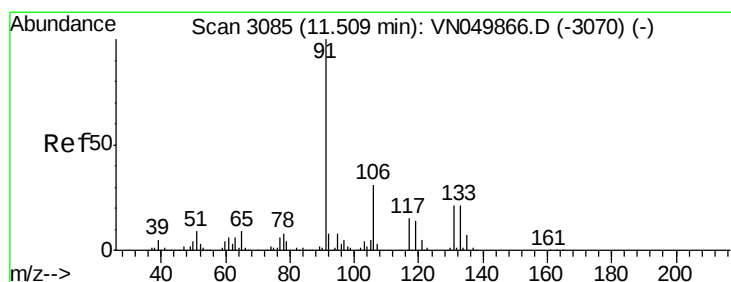
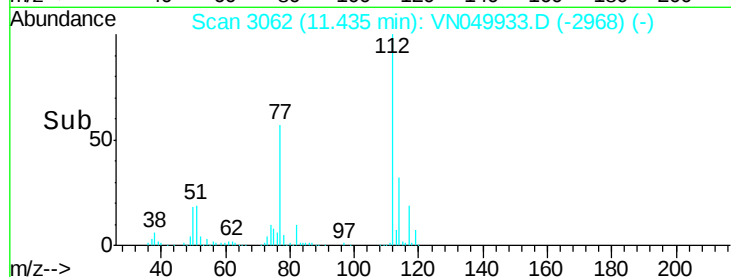
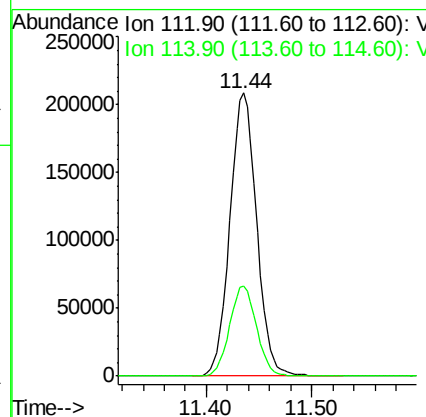
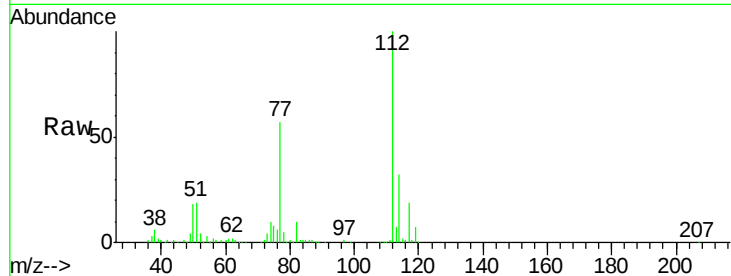
#65
Chlorobenzene
Concen: 19.41 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampled :
VN0719WBS02

Tot Ion:112 Resp: 365159
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0

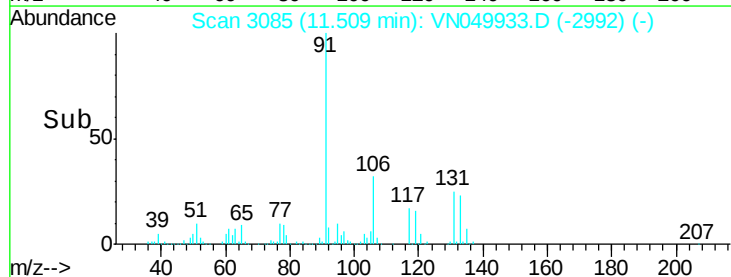
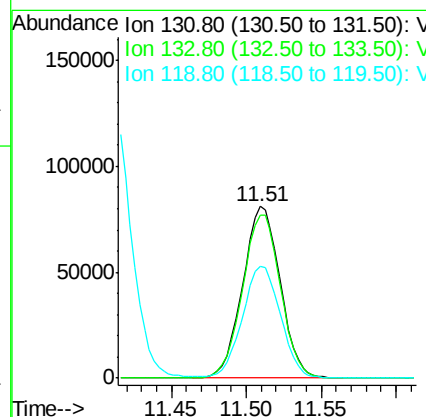
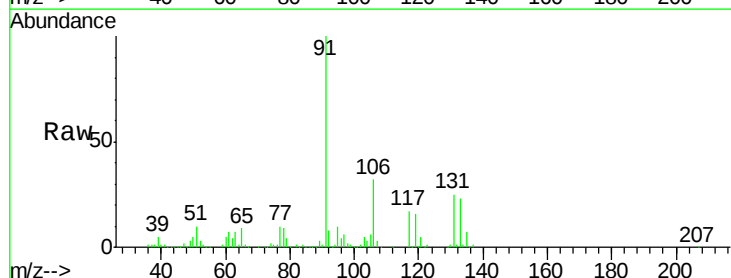
Manual Integrations
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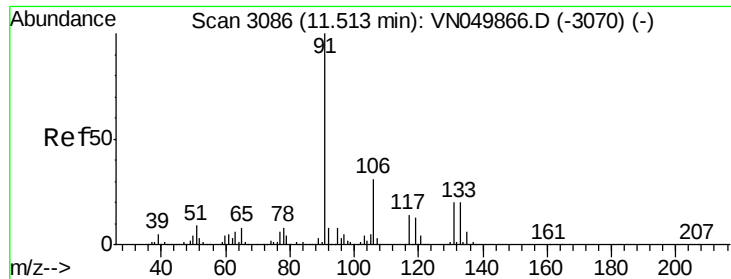
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.45 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion:131 Resp: 141686
Ion Ratio Lower Upper
131 100
133 96.4 47.5 142.6
119 66.1 33.1 99.3





#67

Ethyl Benzene

Concen: 19.37 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS02

Tot Ion: 91 Resp: 590911

Ion Ratio Lower Upper

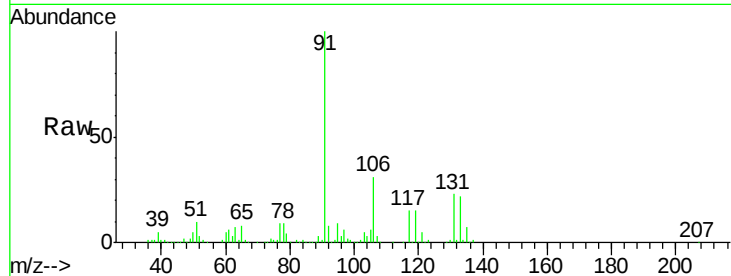
91 100

106 31.2 24.8 37.2

Manual Integrations
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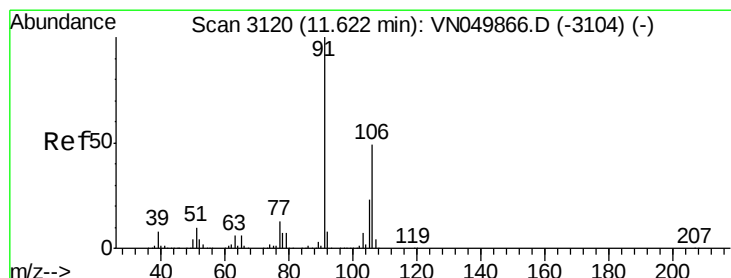
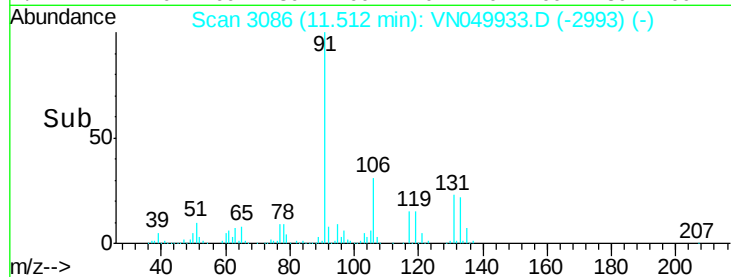
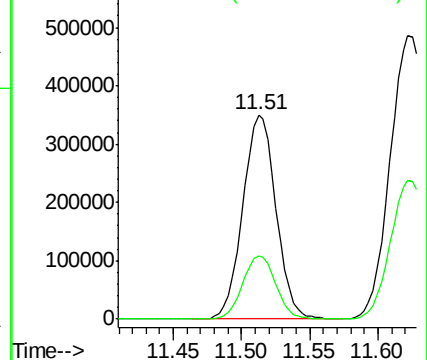
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.87 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049933.D

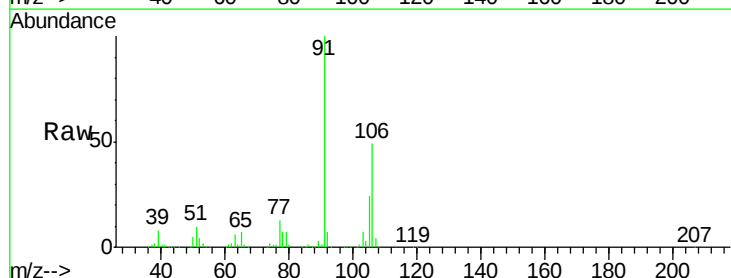
Acq: 19 Jul 2018 23:21

Tgt Ion: 106 Resp: 460488

Ion Ratio Lower Upper

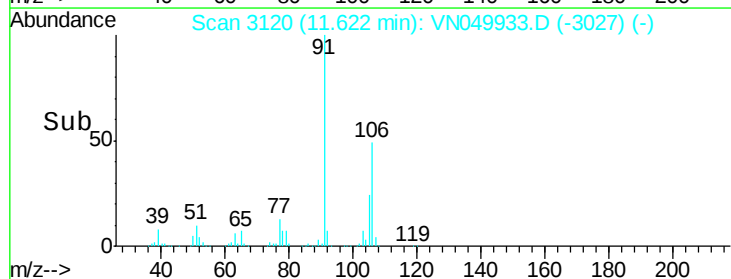
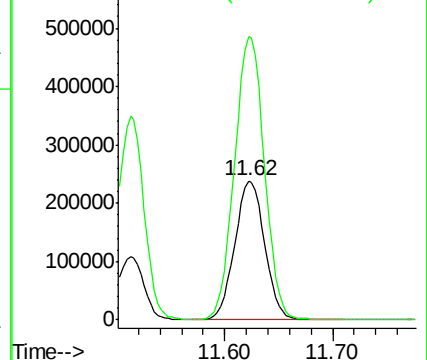
106 100

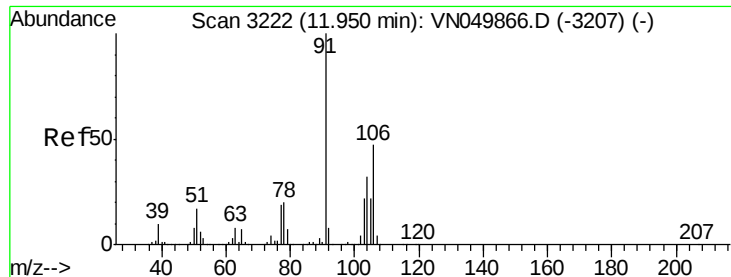
91 203.3 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





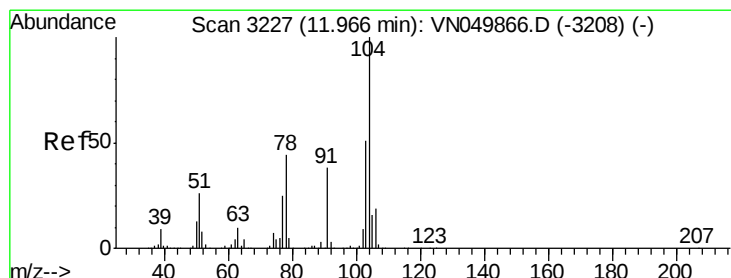
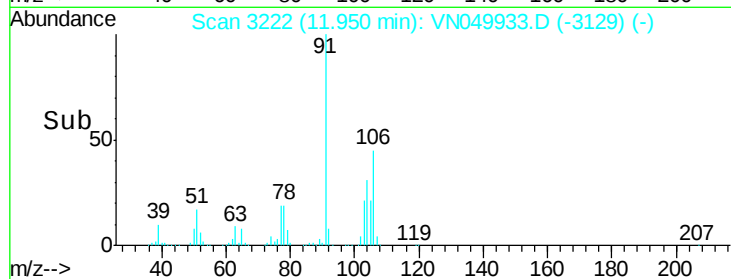
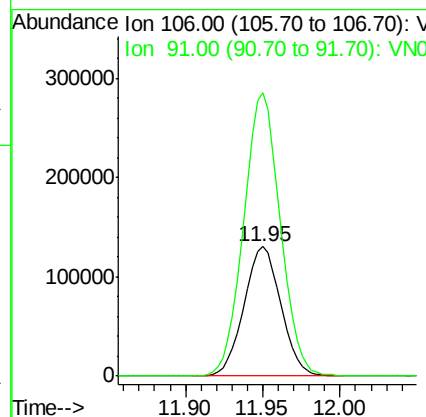
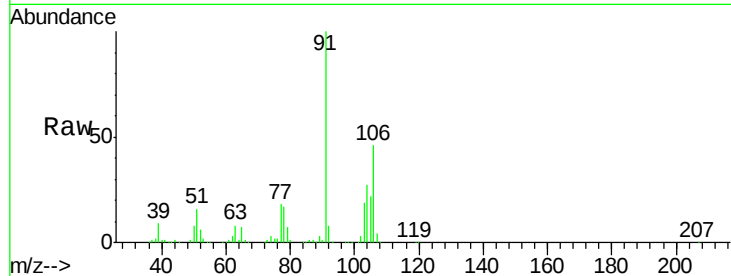
#69
o-Xylene
Concen: 19.60 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.7	108.7	326.1	

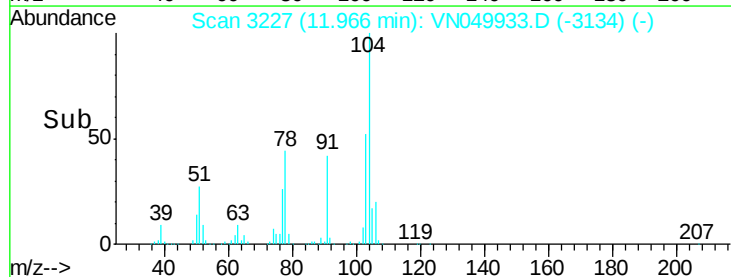
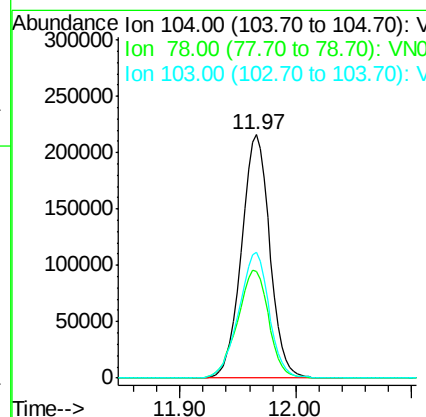
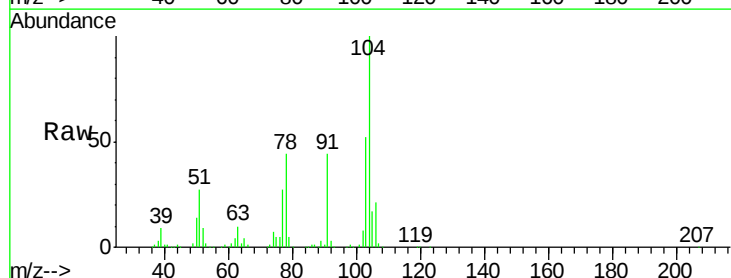
Manual Integrations
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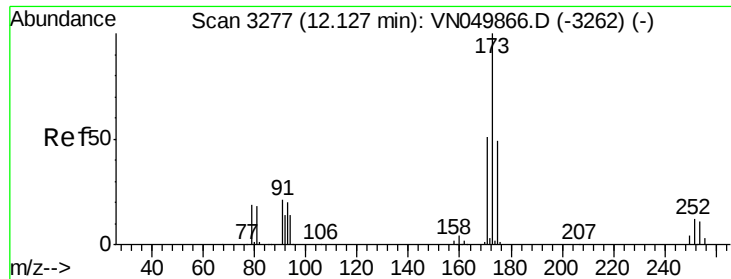
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#70
Styrene
Concen: 20.26 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.2	39.2	58.8	
103	55.5	44.6	67.0	





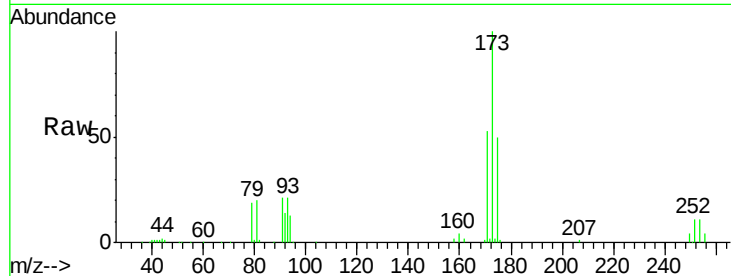
#71
Bromoform
Concen: 19.34 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

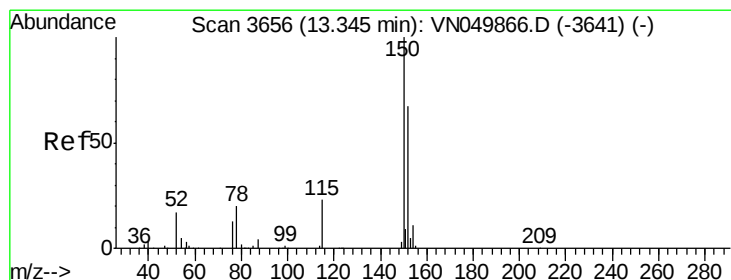
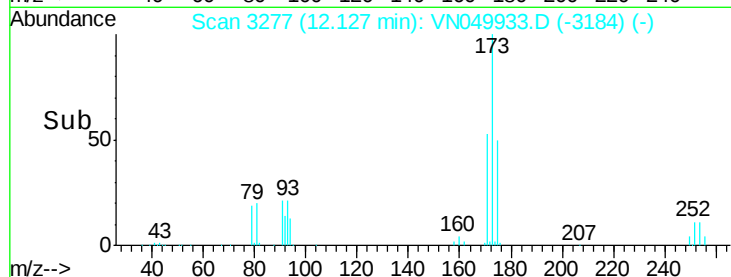
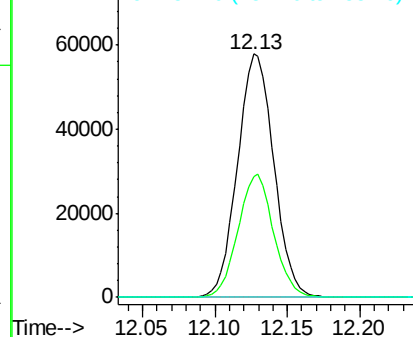
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.8
254	0.0	0.2	0.2

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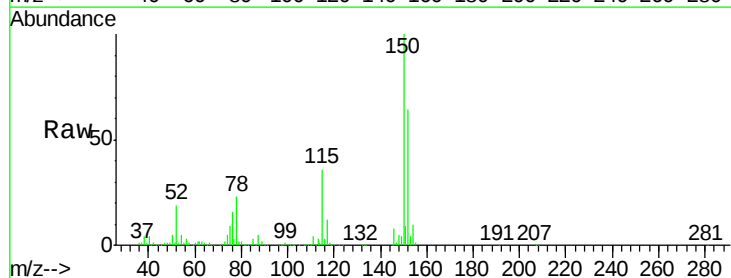


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

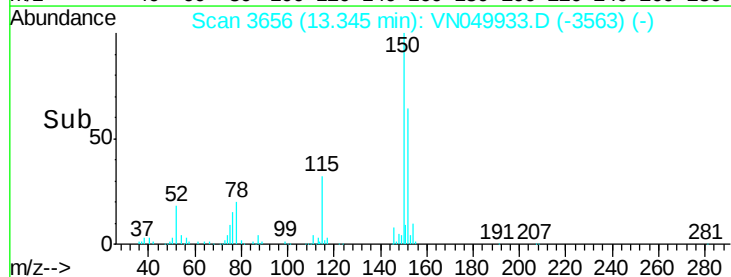
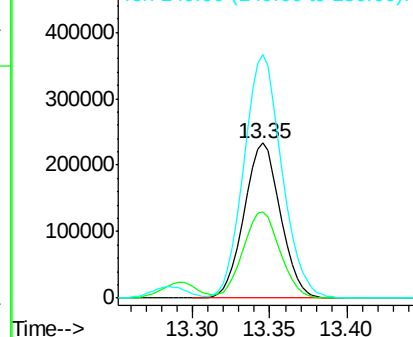


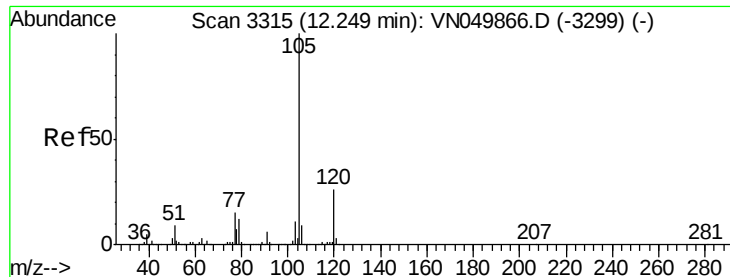
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.1	84.2
150	164.0	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: 20.23 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS02

Tot Ion: 105 Resp: 586954

Ion Ratio Lower Upper

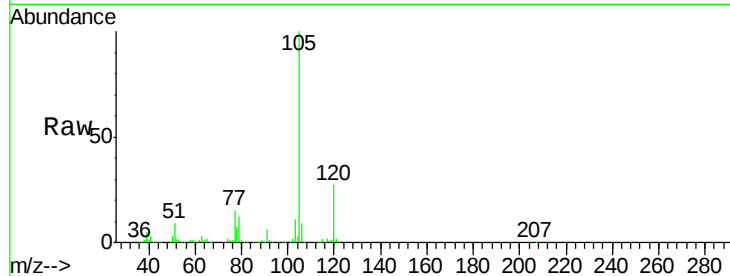
105 100

120 26.8 13.3 39.8

Manual Integrations
APPROVED

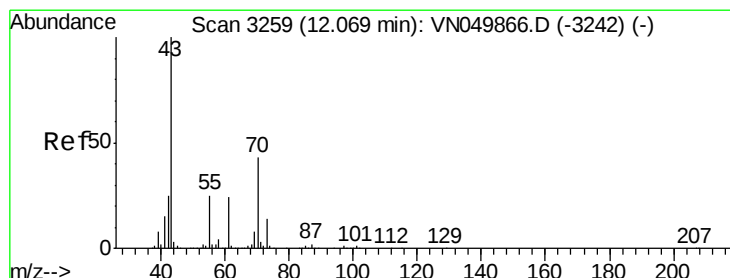
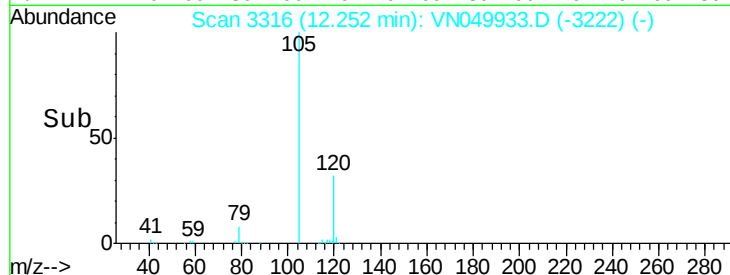
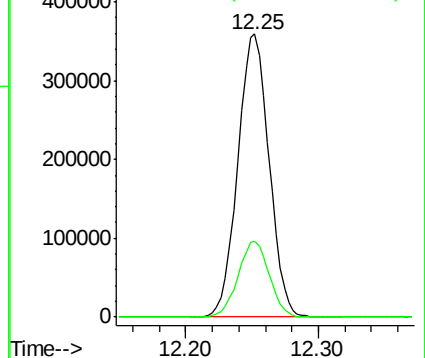
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.46 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Tgt Ion: 43 Resp: 171880

Ion Ratio Lower Upper

43 100

70 43.5 34.8 52.2

55 27.6 20.9 31.3

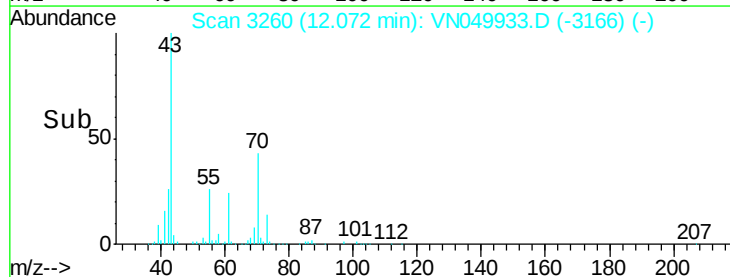
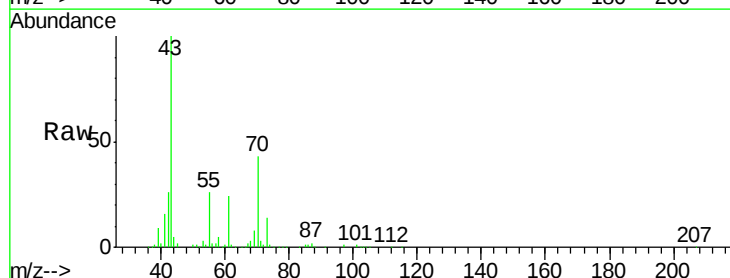
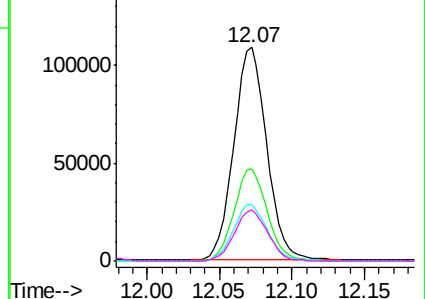
61 24.1 19.9 29.9

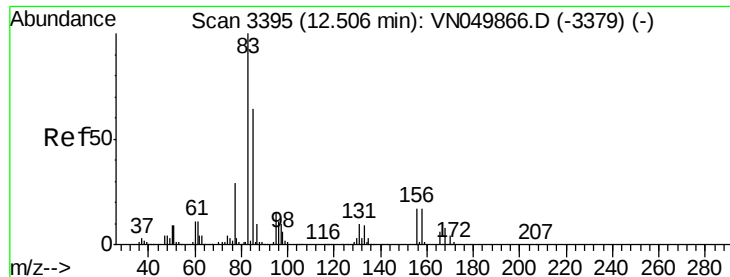
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.73 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS02

Tot Ion: 83 Resp: 171543

Ion Ratio Lower Upper

83 100

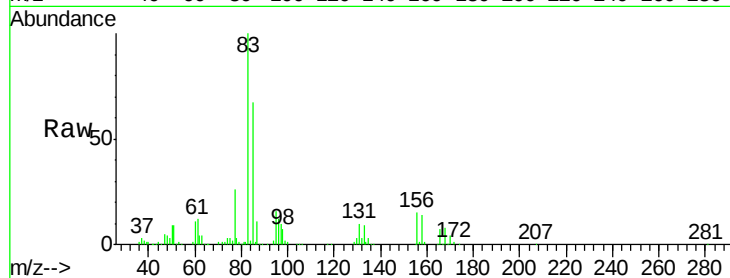
131 10.3 5.2 15.6

85 65.6 32.5 97.4

Manual Integrations
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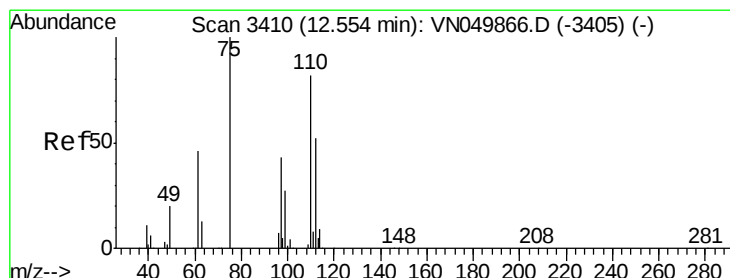
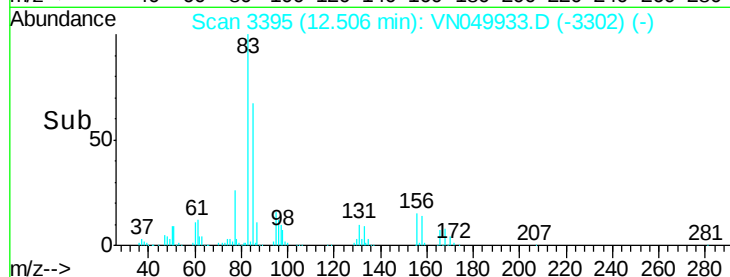
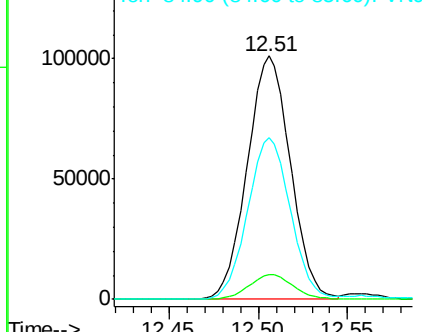
7/20/2018 11:08:07 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 20.26 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049933.D

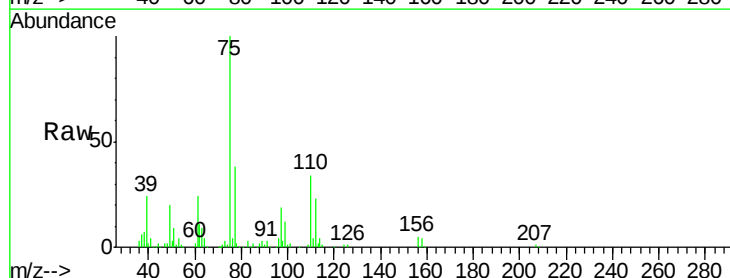
Acq: 19 Jul 2018 23:21

Tgt Ion: 75 Resp: 145202

Ion Ratio Lower Upper

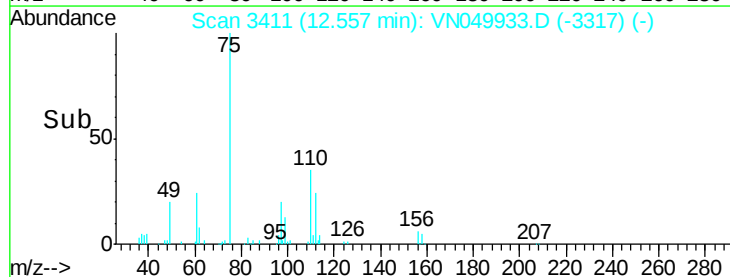
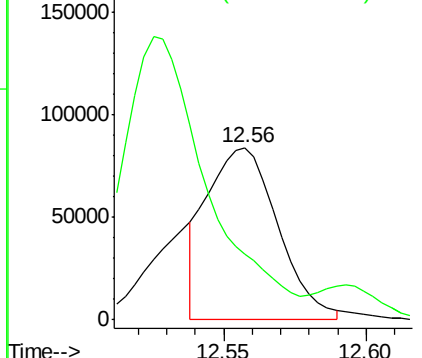
75 100

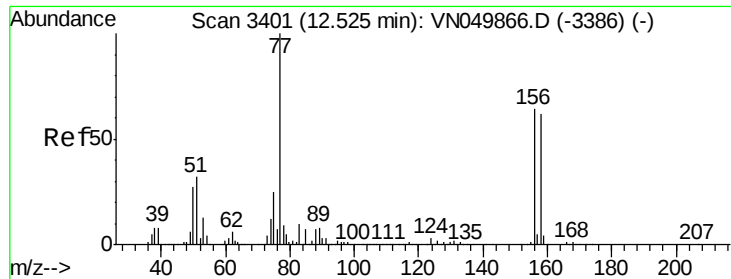
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.65 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

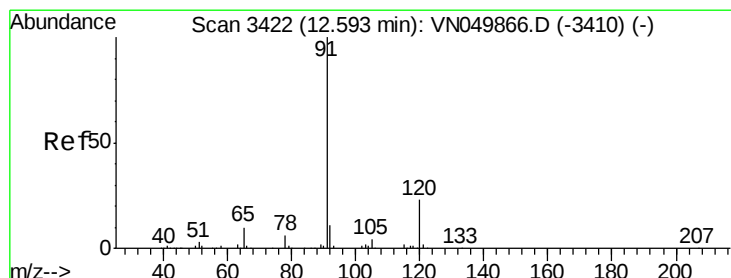
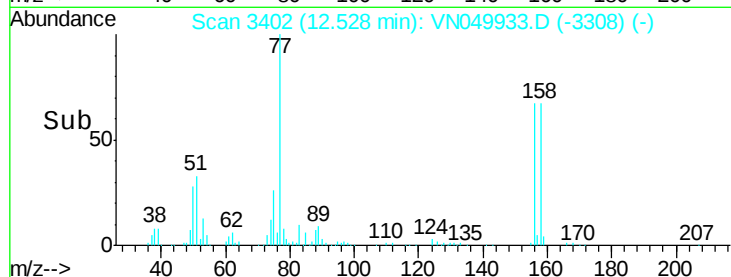
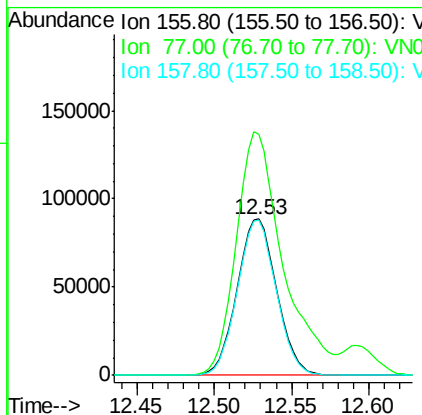
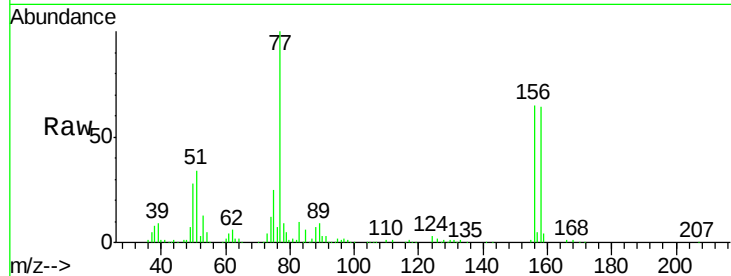
ClientSampleId :

VN0719WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.2	90.2	270.6
158	97.4	49.1	147.3

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#78

n-propylbenzene

Concen: 20.20 ug/l

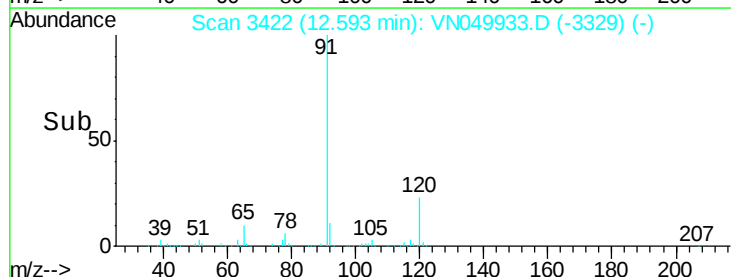
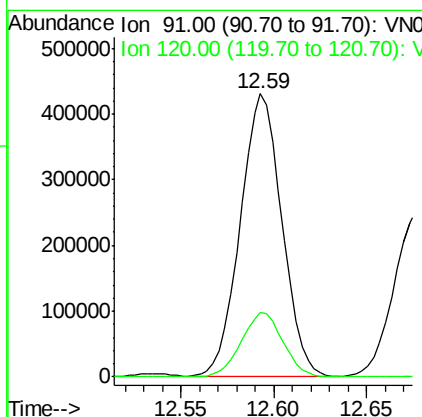
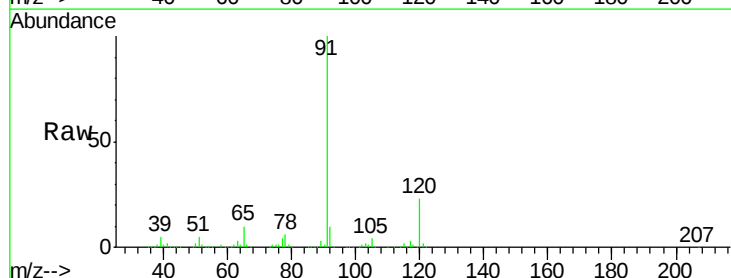
RT: 12.59 min Scan# 3422

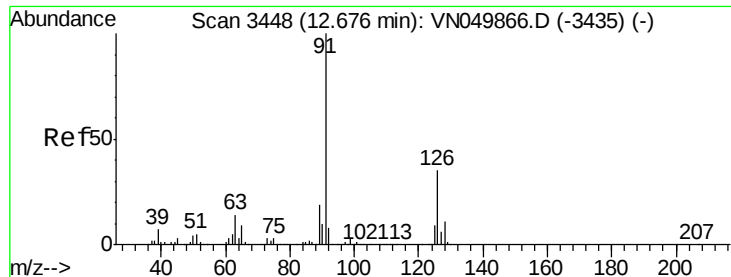
Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.4





#79

2-Chlorotoluene

Concen: 20.38 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampled :

VN0719WBS02

Tot Ion: 91 Resp: 412776

Ion Ratio Lower Upper

91 100

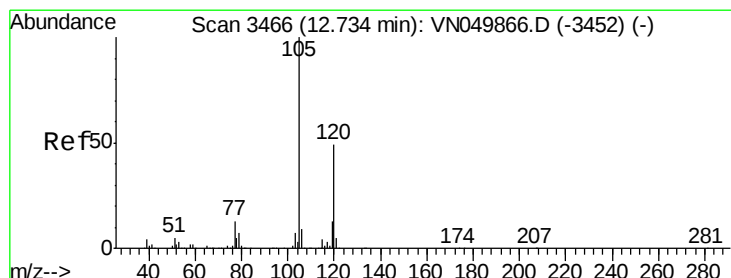
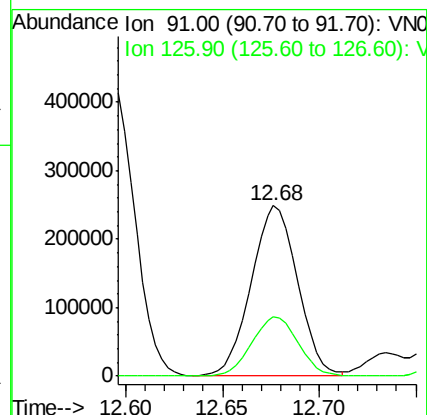
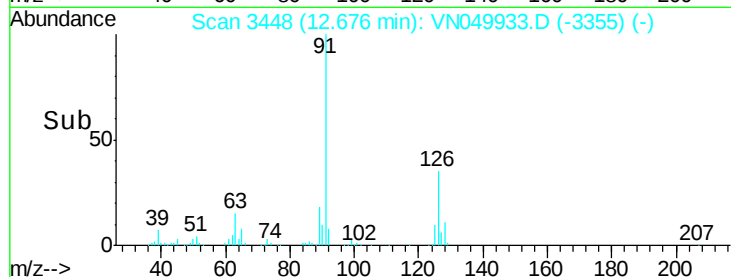
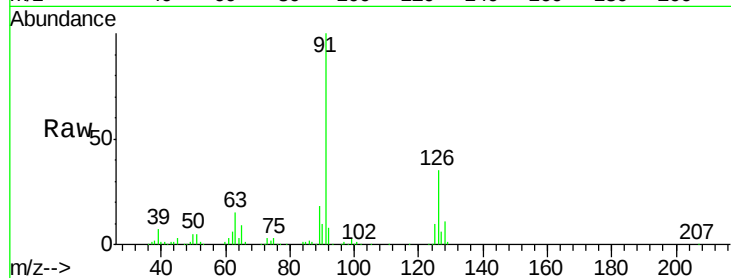
126 35.1 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.80 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049933.D

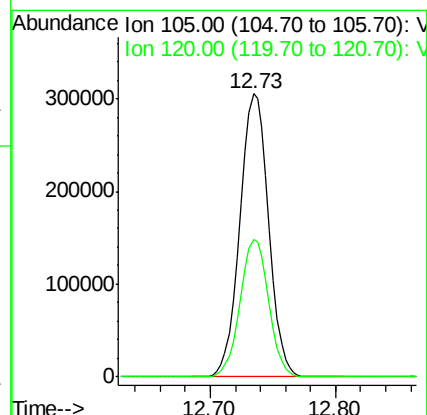
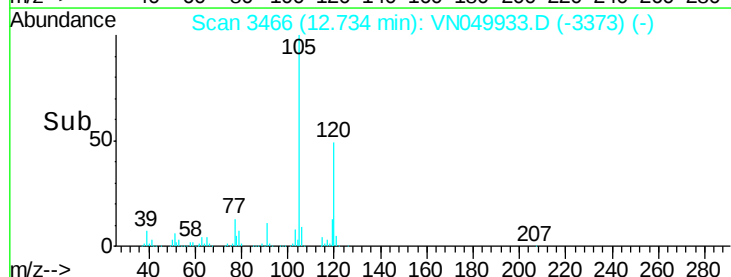
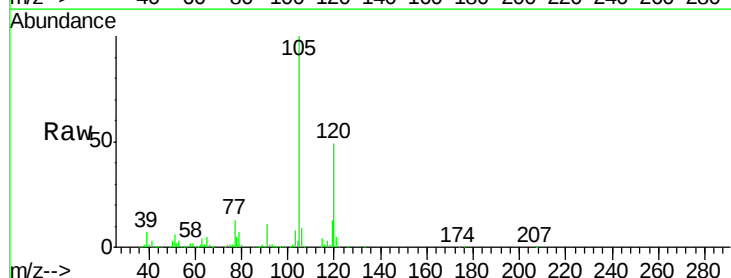
Acq: 19 Jul 2018 23:21

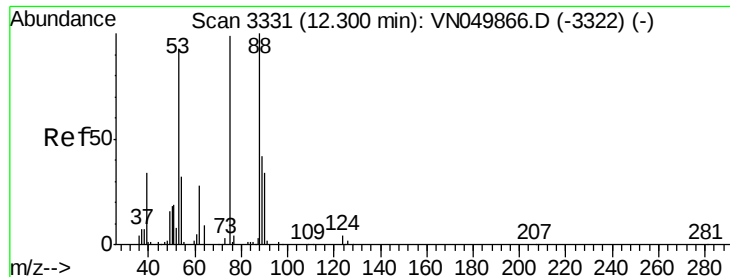
Tgt Ion: 105 Resp: 483815

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.98 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS02

Tot Ion: 75 Resp: 41201

Ion Ratio Lower Upper

75 100

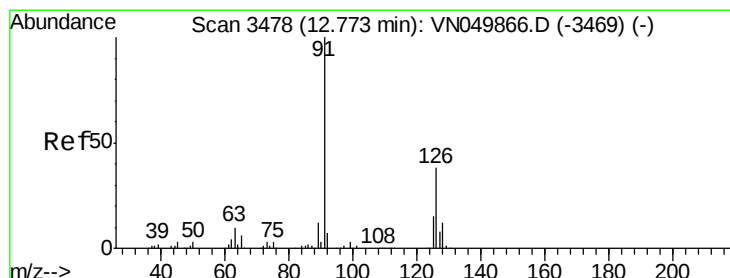
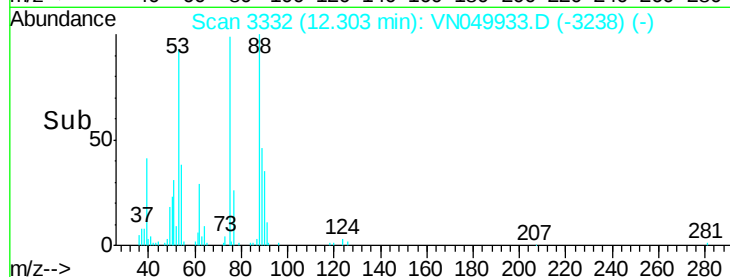
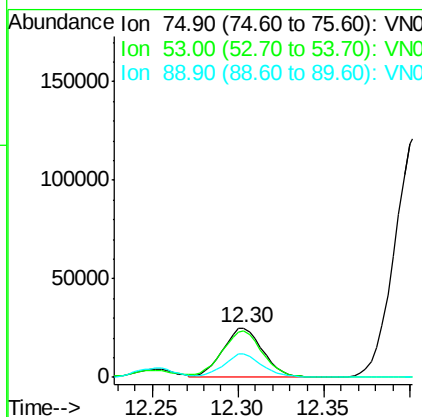
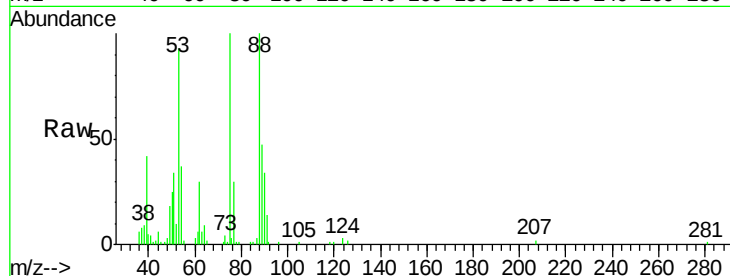
53 95.5 73.9 110.9

89 44.9 35.9 53.9

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#82

4-Chlorotoluene

Concen: 20.08 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049933.D

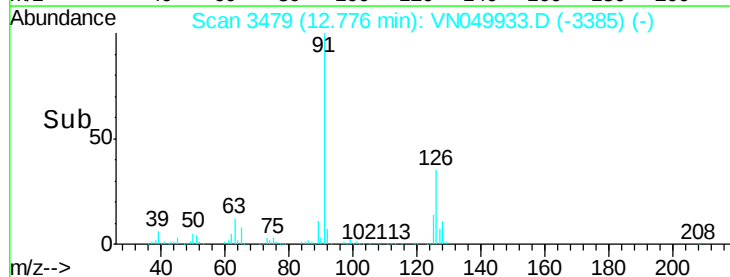
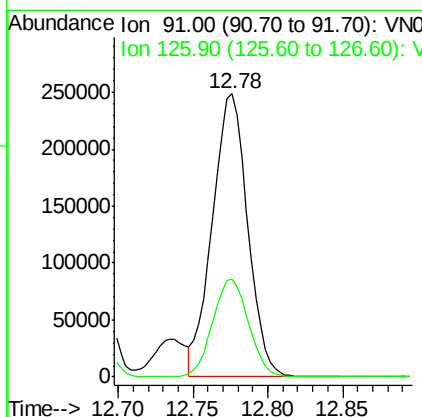
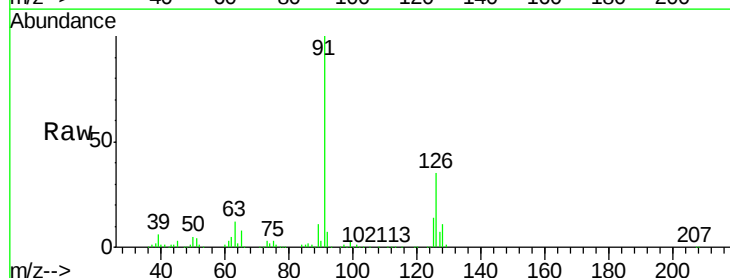
Acq: 19 Jul 2018 23:21

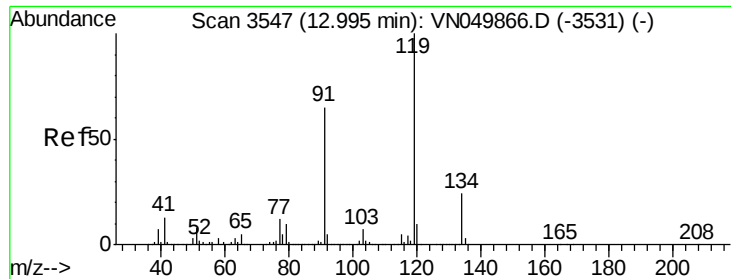
Tgt Ion: 91 Resp: 408066

Ion Ratio Lower Upper

91 100

126 35.2 17.2 51.6





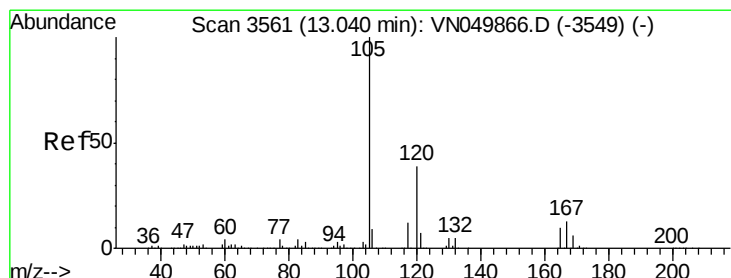
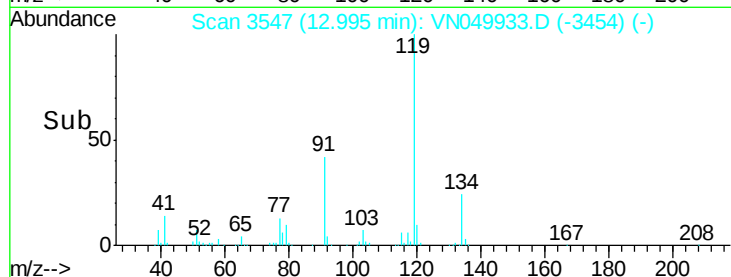
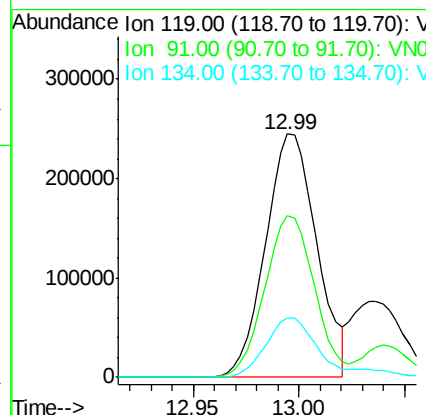
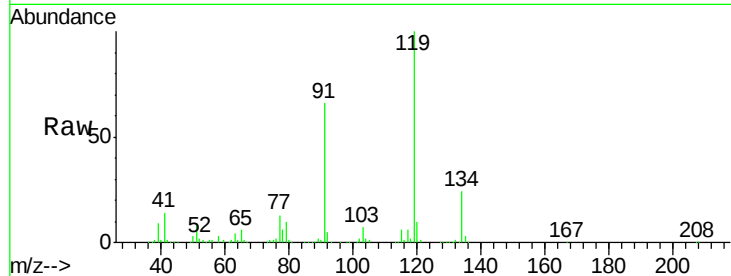
#83
 tert-Butylbenzene
 Concen: 20.28 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	414188		
91	64.4	32.0	96.2	
134	26.5	12.8	38.4	

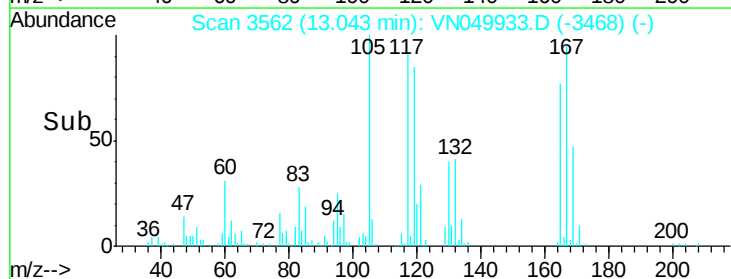
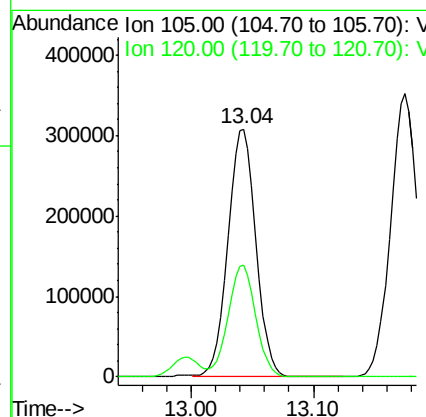
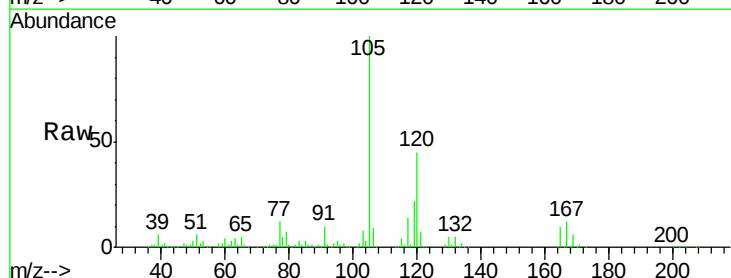
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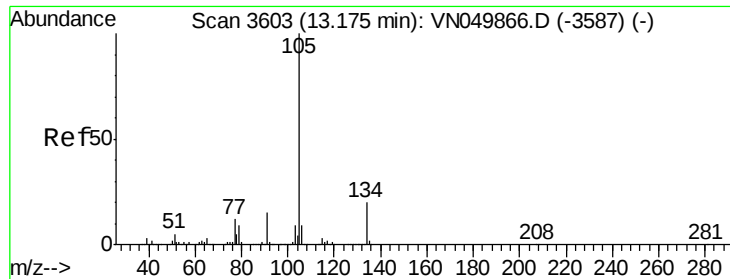
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.06 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	496155		
120	44.2	22.7	68.1	





#85

sec-Butylbenzene

Concen: 20.46 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampled :

VN0719WBS02

Tot Ion:105 Resp: 552093

Ion Ratio Lower Upper

105 100

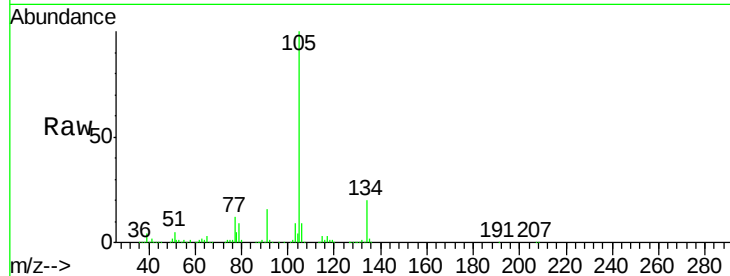
134 20.2 10.1 30.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

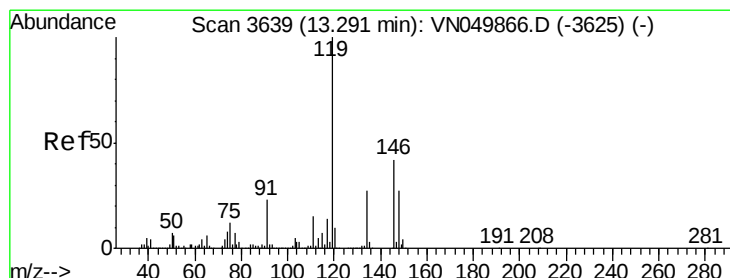
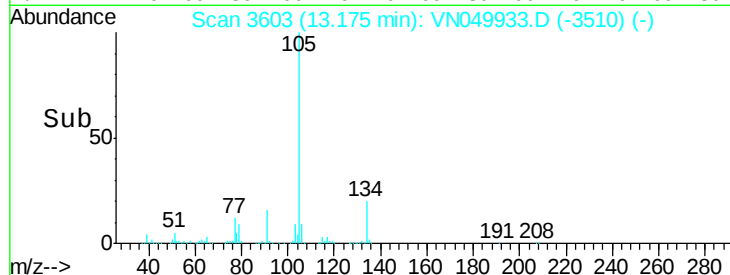
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.07 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

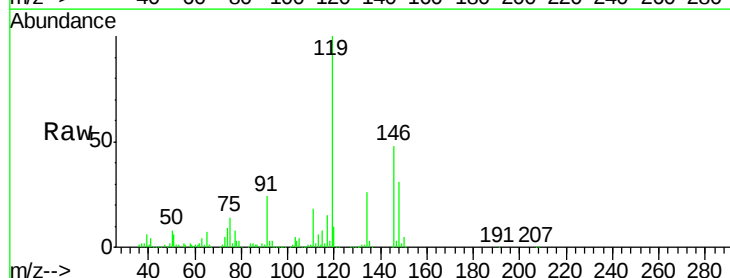
Tgt Ion:119 Resp: 461862

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

91 23.6 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

13.29

400000

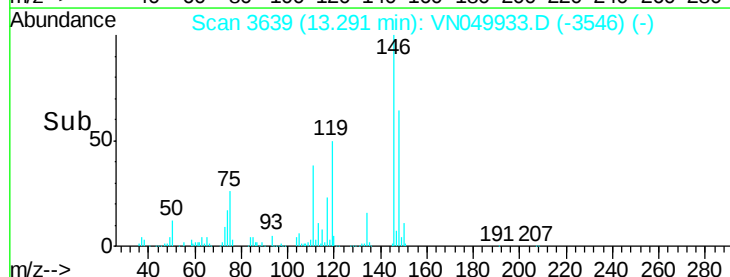
300000

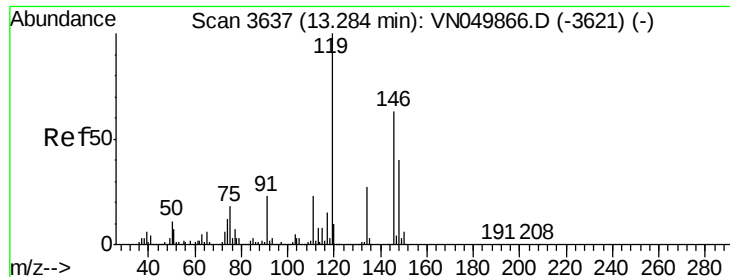
200000

100000

0

Time--> 13.20 13.25 13.30 13.35





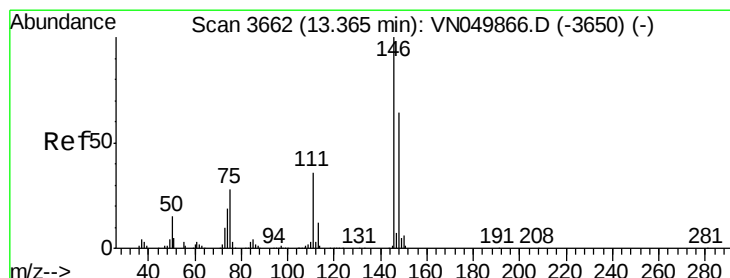
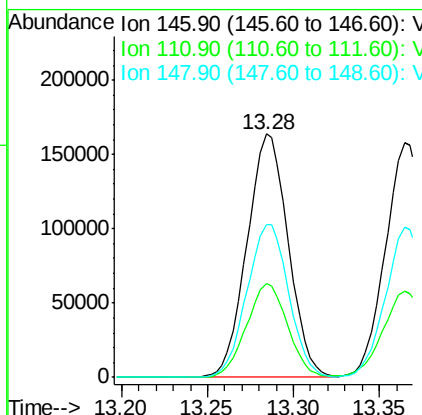
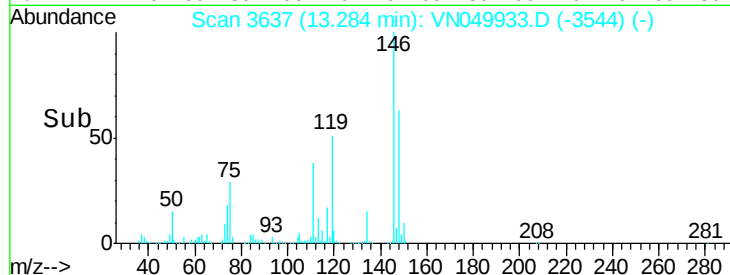
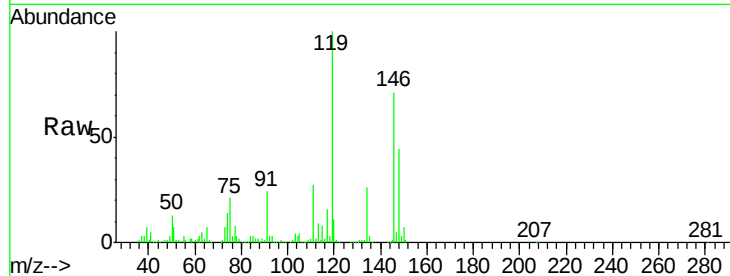
#87
 1,3-Dichlorobenzene
 Concen: 19.48 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.0	57.0
148	63.9	32.5	97.5

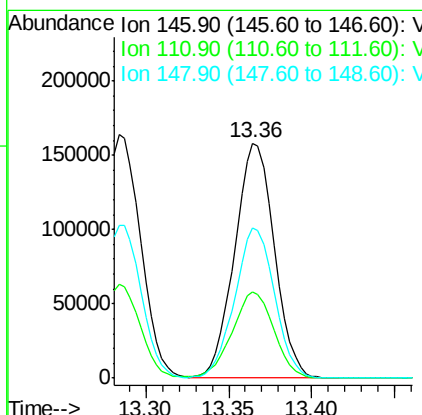
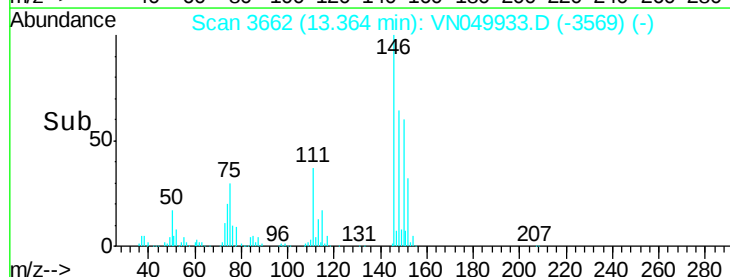
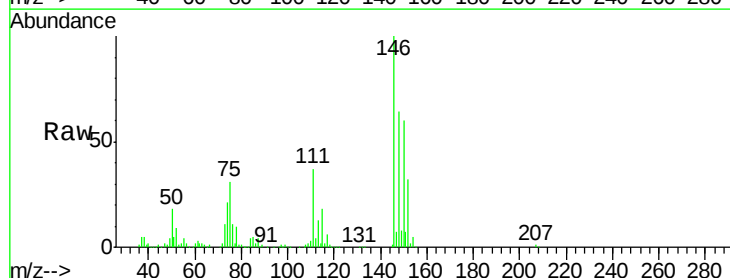
Manual Integrations
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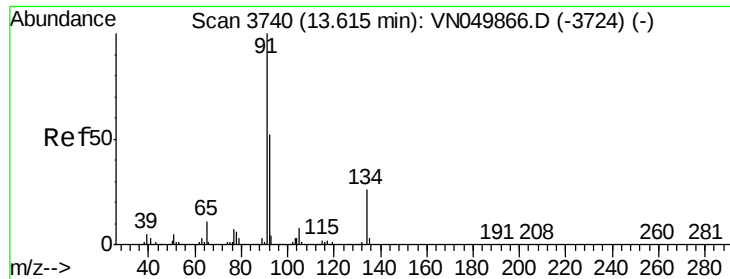
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#88
 1,4-Dichlorobenzene
 Concen: 18.80 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.9	56.5
148	64.0	32.1	96.3





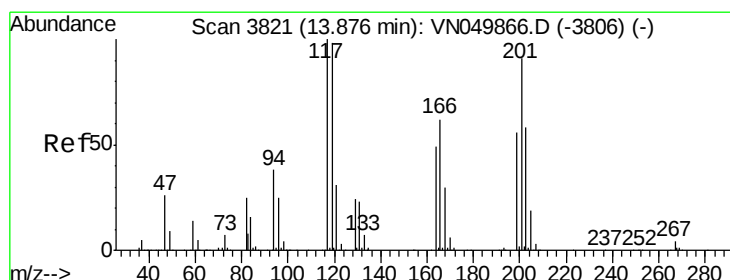
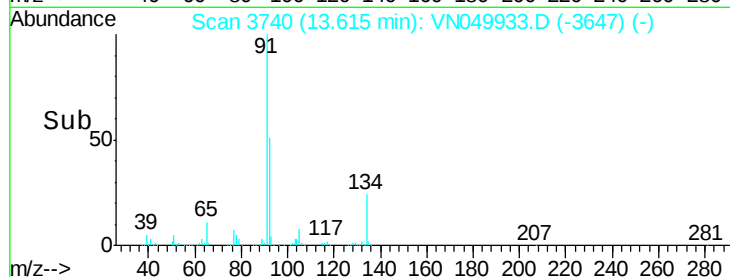
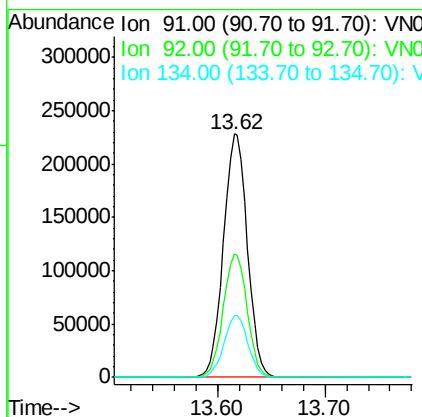
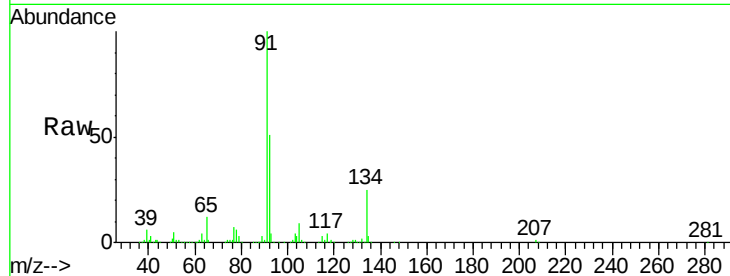
#89
n-Butylbenzene
Concen: 18.56 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	25.8	77.3
134	25.5	13.0	38.9

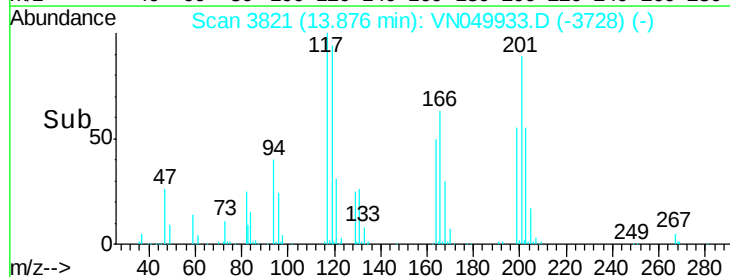
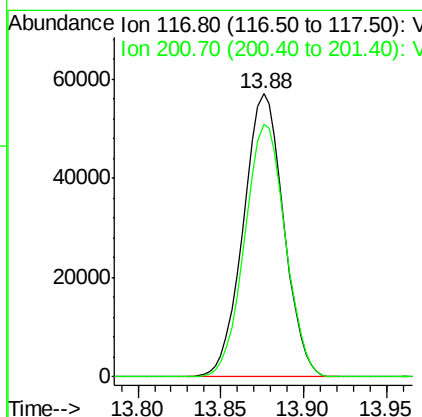
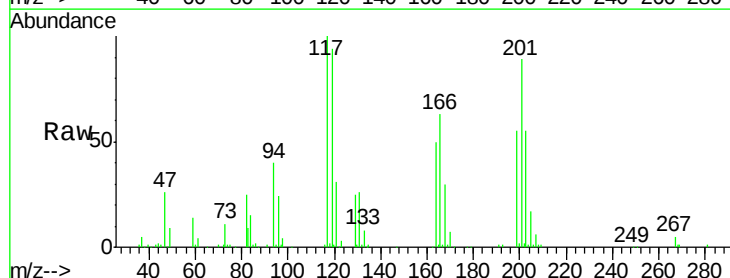
Manual Integrations
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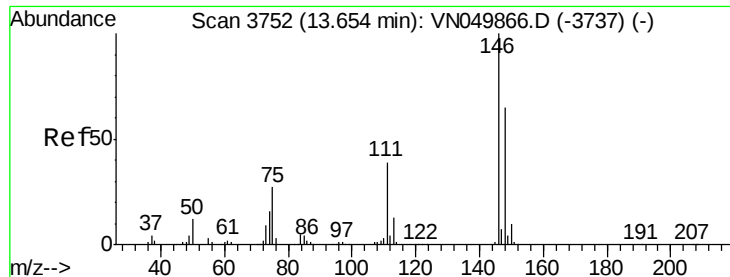
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#90
Hexachloroethane
Concen: 18.67 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	45.3	135.8





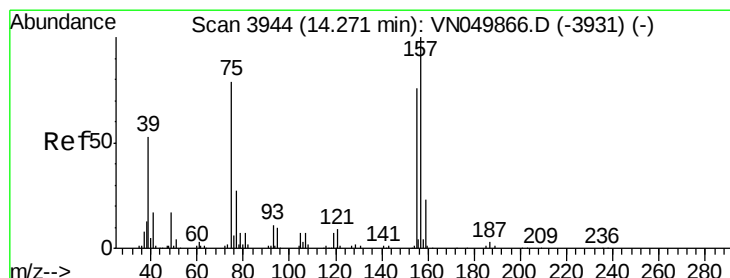
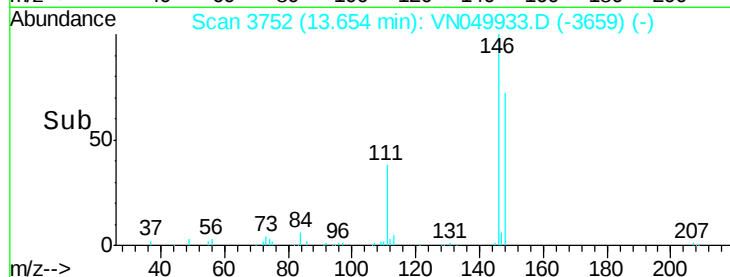
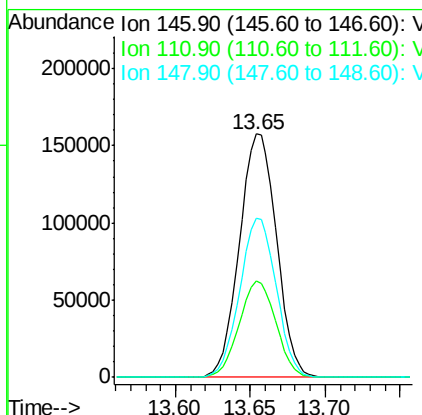
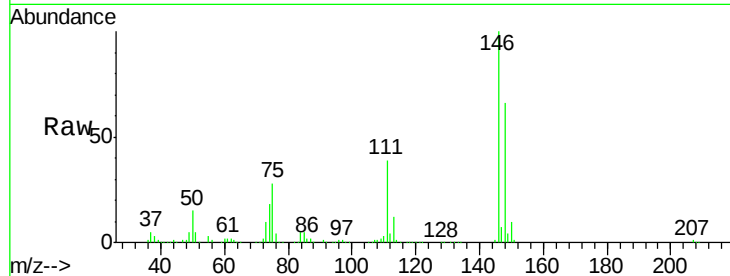
#91
 1,2-Dichlorobenzene
 Concen: 19.83 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	64.4	32.0	96.2

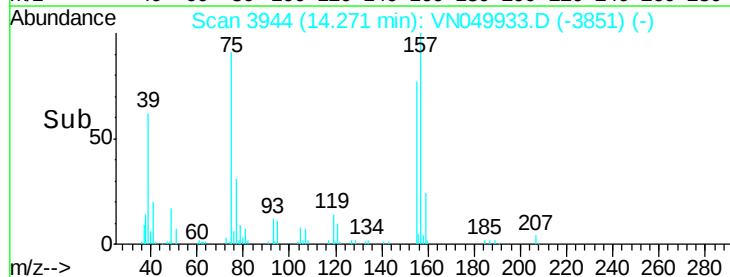
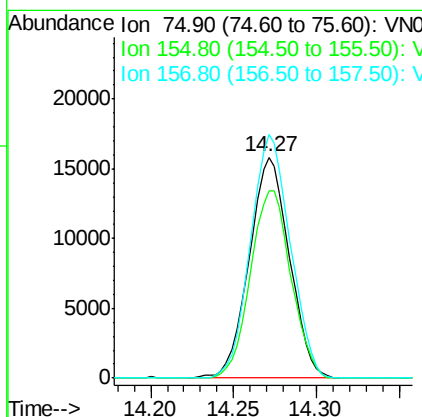
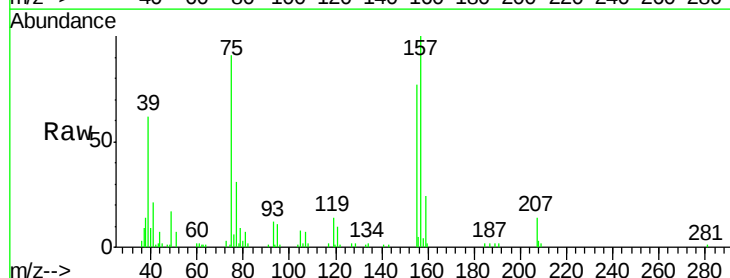
Manual Integrations
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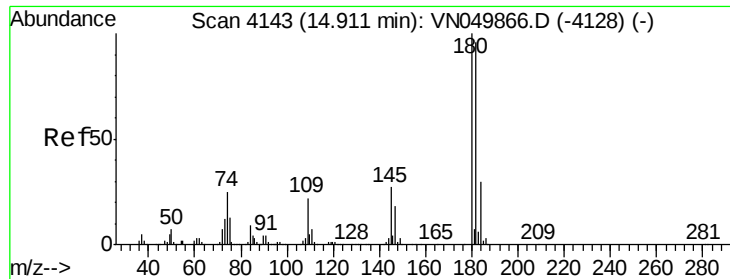
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.81 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	45.7	137.1
157	109.5	56.9	170.7





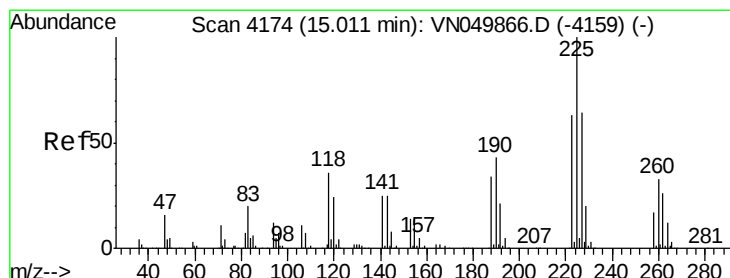
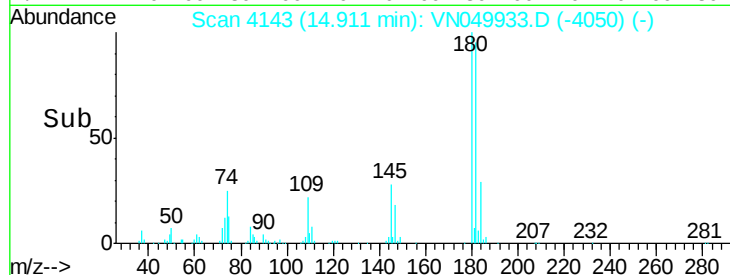
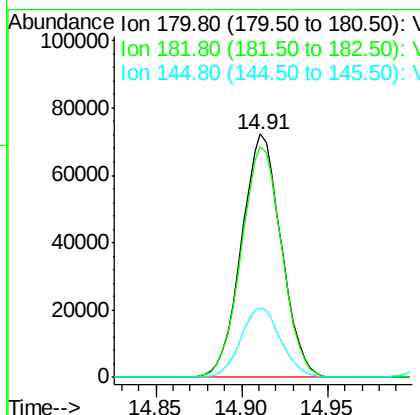
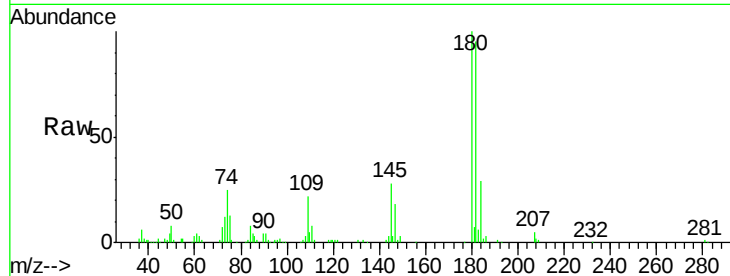
#93
 1,2,4-Trichlorobenzene
 Concen: 17.77 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116240		
182	96.2	47.3	141.9	
145	28.7	14.4	43.0	

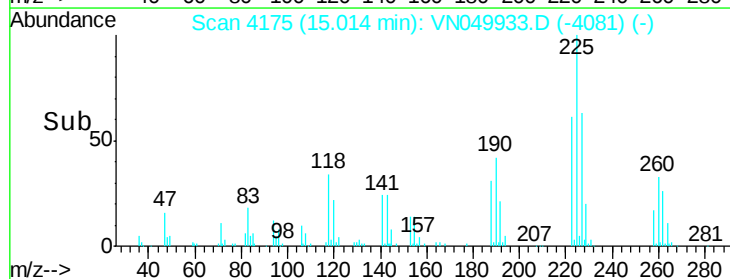
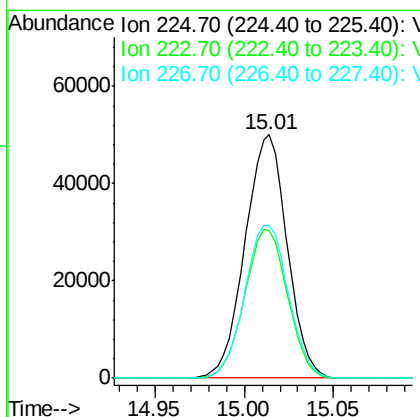
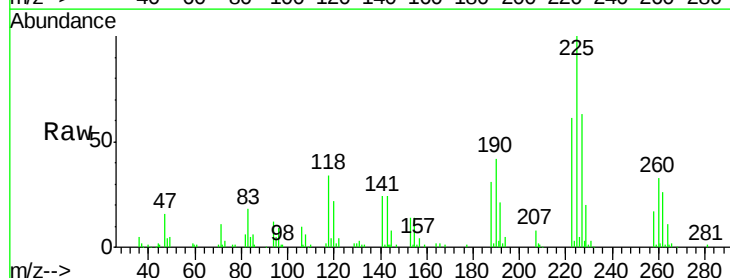
Manual Integrations
 APPROVED

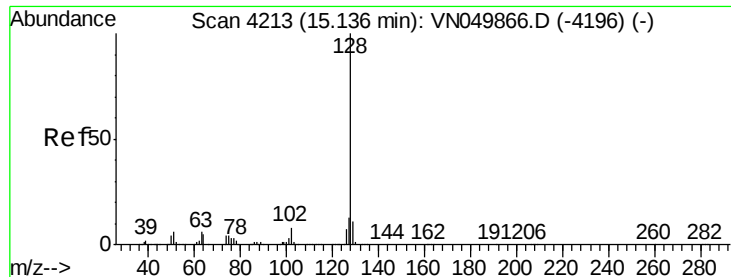
MMDadoda
 7/20/2018 11:08:07 AM



#94
 Hexachlorobutadiene
 Concen: 18.35 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82515		
223	62.1	30.9	92.7	
227	65.0	31.8	95.4	





#95

Naphthalene

Concen: 16.93 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

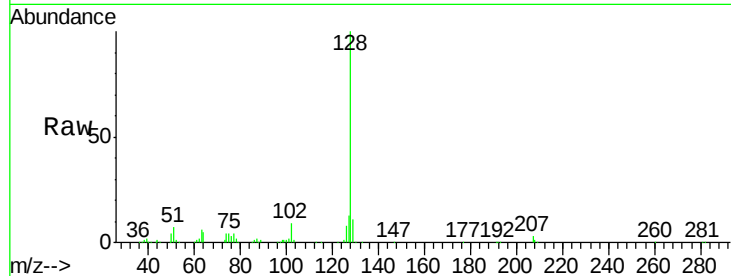
ClientSampleId :

VN0719WBS02

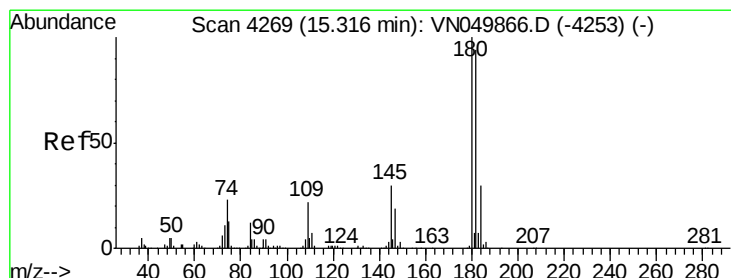
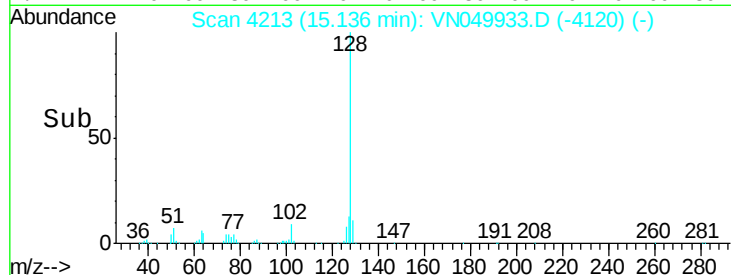
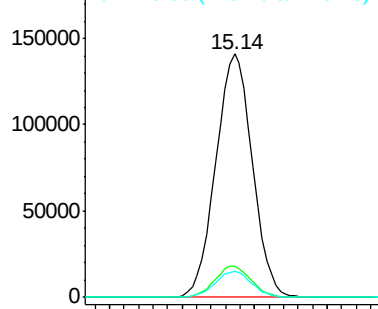
Tot Ion:	128	Resp:	247226
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
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Abundance Ion 128.00 (127.70 to 128.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.53 ug/l

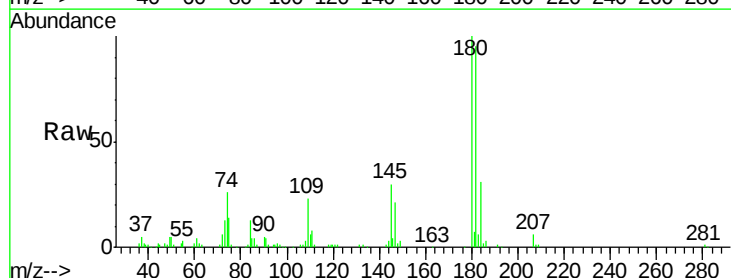
RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Tgt Ion:	180	Resp:	122036
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.4	142.2
145	30.6	15.2	45.6



Abundance Ion 179.80 (179.50 to 180.50): V

