

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049934.D
 Acq On : 19 Jul 2018 23:46
 Operator : MD\SY
 Sample : VN0719WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

Manual Integrations
 APPROVED

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

Quant Time: Jul 20 03:27:32 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	563906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	872865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	771509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	393319	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	409919	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	7.59	113	365215	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.09	98	1314295	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.40	95	431903	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	106486	19.84	ug/l	97
3) Chloromethane	2.06	50	149552	19.43	ug/l	100
4) Vinyl Chloride	2.18	62	156048	19.01	ug/l	98
5) Bromomethane	2.56	94	81614	16.50	ug/l	100
6) Chloroethane	2.70	64	101213	18.88	ug/l	100
7) Trichlorofluoromethane	3.01	101	215680	19.11	ug/l	99
8) Diethyl Ether	3.41	74	77785	19.76	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	132940	19.10	ug/l	99
10) Methyl Iodide	3.95	142	126315	13.53	ug/l	98
11) Tert butyl alcohol	4.82	59	52275	94.67	ug/l	100
12) 1,1-Dichloroethene	3.73	96	117424	19.21	ug/l	97
13) Acrolein	3.61	56	28510	80.13	ug/l	93
14) Allyl chloride	4.32	41	187613	19.47	ug/l	98
15) Acrylonitrile	5.00	53	246955	101.70	ug/l	100
16) Acetone	3.82	43	178882	89.14	ug/l	99
17) Carbon Disulfide	4.05	76	329197	18.00	ug/l	100
18) Methyl Acetate	4.33	43	149226	23.22	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	347127	20.64	ug/l	98
20) Methylene Chloride	4.55	84	149366	19.57	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	127063	19.57	ug/l	98
22) Diisopropyl ether	5.96	45	418858	21.30	ug/l	99
23) Vinyl Acetate	5.90	43	1417311	102.71	ug/l	99
24) 1,1-Dichloroethane	5.85	63	254640	20.17	ug/l	100
25) 2-Butanone	6.85	43	278893	97.25	ug/l	97
26) 2,2-Dichloropropane	6.83	77	162850	16.58	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	146888	20.62	ug/l	98
28) Bromochloromethane	7.20	49	128437	22.53	ug/l	100
29) Tetrahydrofuran	7.22	42	185372	102.60	ug/l	99
30) Chloroform	7.37	83	266976	20.60	ug/l	99
31) Cyclohexane	7.66	56	201189	19.58	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	221555	19.78	ug/l	100
36) 1,1-Dichloropropene	7.79	75	182733	18.83	ug/l	99
37) Ethyl Acetate	6.94	43	125325	18.81	ug/l	99
38) Carbon Tetrachloride	7.77	117	194000	18.66	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	177220	17.68	ug/l	95
40) Benzene	8.04	78	571800	19.33	ug/l	100
41) Methacrylonitrile	7.19	41	74311m	22.24	ug/l	
42) 1,2-Dichloroethane	8.13	62	191555	19.55	ug/l	99
43) Isopropyl Acetate	8.17	43	252243	21.66	ug/l	98
44) Trichloroethene	8.84	130	144882	18.68	ug/l	97
45) 1,2-Dichloropropane	9.12	63	153461	19.23	ug/l	98
46) Dibromomethane	9.21	93	94178	19.03	ug/l	99
47) Bromodichloromethane	9.40	83	201105	19.65	ug/l	97
48) Methyl methacrylate	9.20	41	111025	19.01	ug/l	98
49) 1,4-Dioxane	9.20	88	30854	372.39	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	648890	99.70	ug/l	98
52) Toluene	10.16	92	350093	19.84	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	186550	18.43	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	215036	19.23	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	135779	18.63	ug/l	99
56) Ethyl methacrylate	10.43	69	161786	17.97	ug/l	98
57) 1,3-Dichloropropane	10.71	76	223544	19.47	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	394898	92.23	ug/l	99
59) 2-Hexanone	10.75	43	419185	95.89	ug/l	98
60) Dibromochloromethane	10.90	129	151063	18.90	ug/l	99
61) 1,2-Dibromoethane	11.01	107	129551	19.02	ug/l	98
64) Tetrachloroethene	10.63	164	137396	19.82	ug/l	98
65) Chlorobenzene	11.44	112	377822	19.49	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	146734	19.54	ug/l	98
67) Ethyl Benzene	11.51	91	613915	19.52	ug/l	99
68) m/p-Xylenes	11.62	106	485917	40.82	ug/l	98
69) o-Xylene	11.95	106	225332	19.71	ug/l	99
70) Styrene	11.97	104	377906	20.41	ug/l	100
71) Bromoform	12.13	173	104012	19.36	ug/l #	100
73) Isopropylbenzene	12.25	105	609448	20.40	ug/l	100
74) N-amyl acetate	12.07	43	178045	19.58	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	172678	19.29	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	138243m	18.74	ug/l	
77) Bromobenzene	12.53	156	163334	19.80	ug/l	98
78) n-propylbenzene	12.59	91	693335	20.41	ug/l	100
79) 2-Chlorotoluene	12.68	91	428882	20.56	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	501174	20.93	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40586	17.20	ug/l	93
82) 4-Chlorotoluene	12.77	91	434734	20.78	ug/l	99
83) tert-Butylbenzene	12.99	119	427916	20.35	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	512322	21.12	ug/l	100
85) sec-Butylbenzene	13.17	105	569059	20.48	ug/l	99
86) p-Isopropyltoluene	13.29	119	488040	20.60	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	283218	19.70	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	274077	19.02	ug/l	99
89) n-Butylbenzene	13.62	91	374151	19.13	ug/l	99
90) Hexachloroethane	13.88	117	98625	18.55	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	283442	20.06	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26875	19.43	ug/l	97

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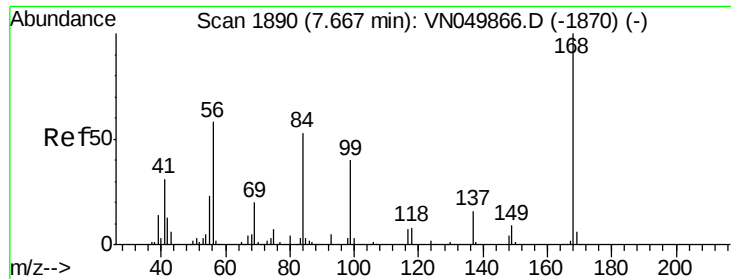
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	125868	18.50	ug/l	99
94) Hexachlorobutadiene	15.01	225	85083	18.37	ug/l	99
95) Naphthalene	15.14	128	272048	17.78	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	133144	19.64	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

Tot Ion:168 Resp: 563906

Ion Ratio Lower Upper

168 100

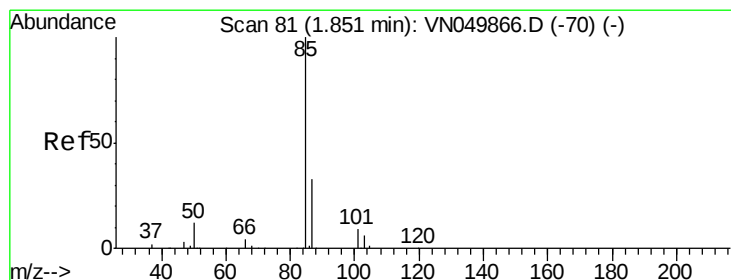
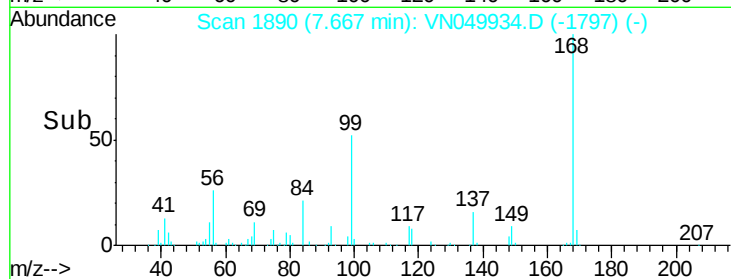
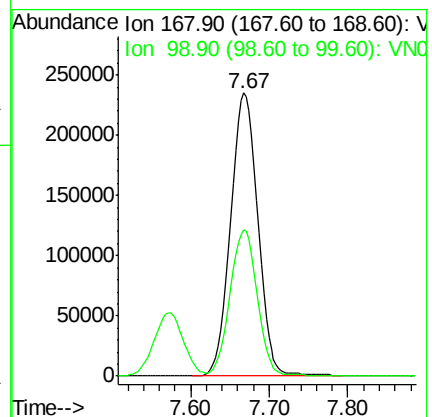
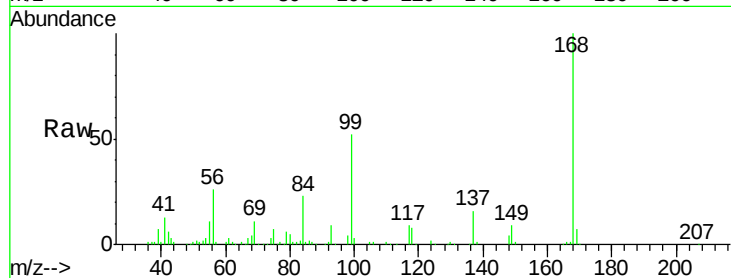
99 51.6 40.6 61.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.84 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049934.D

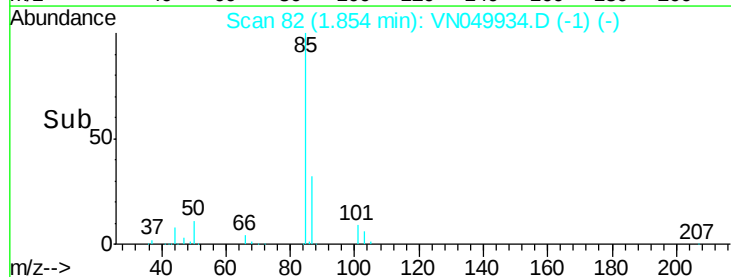
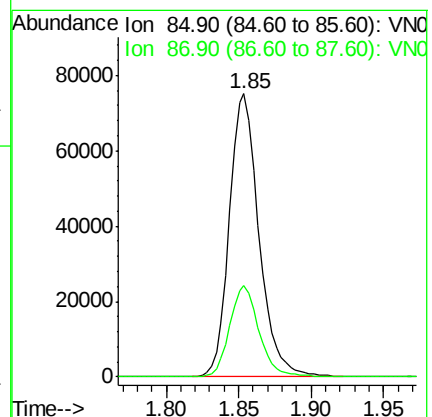
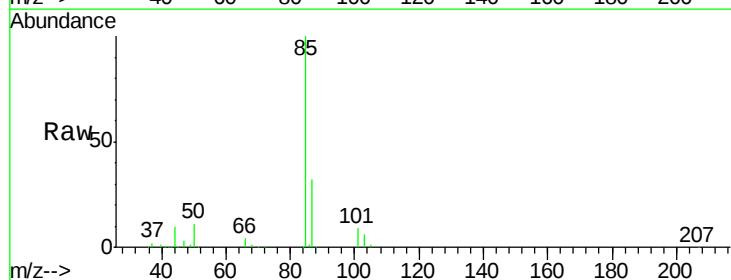
Acq: 19 Jul 2018 23:46

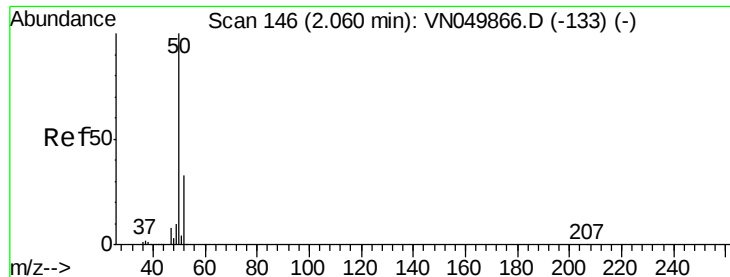
Tgt Ion: 85 Resp: 106486

Ion Ratio Lower Upper

85 100

87 32.2 15.4 46.1





#3

Chloromethane

Concen: 19.43 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

Tot Ion: 50 Resp: 149552

Ion Ratio Lower Upper

50 100

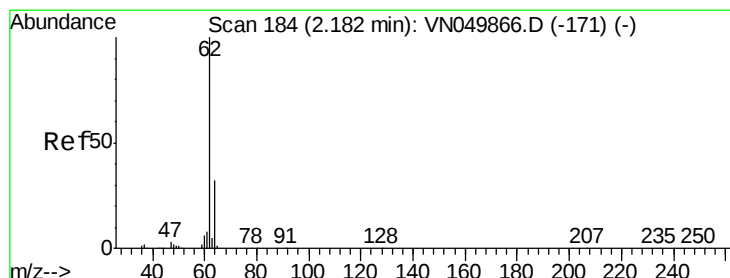
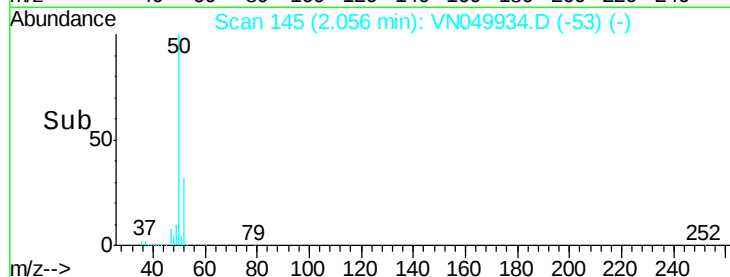
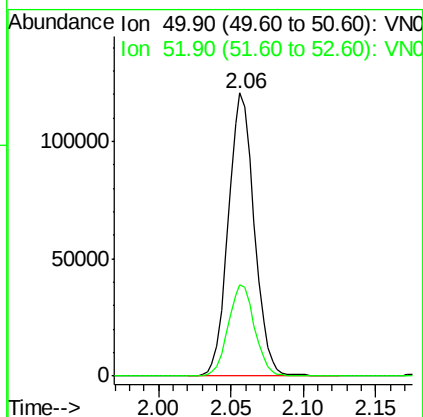
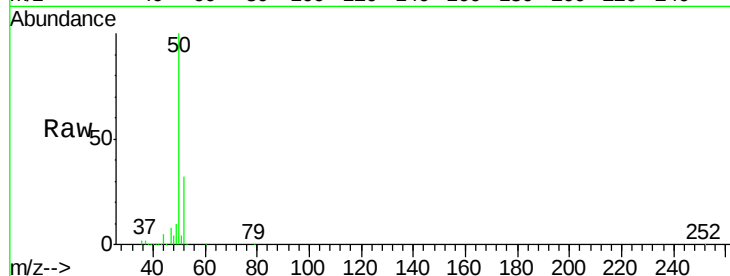
52 32.5 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.01 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049934.D

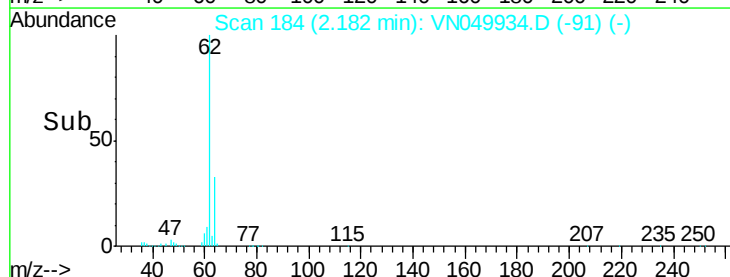
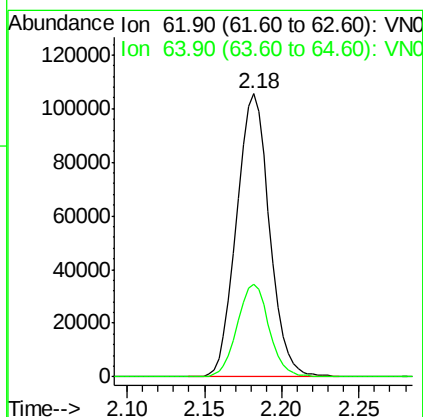
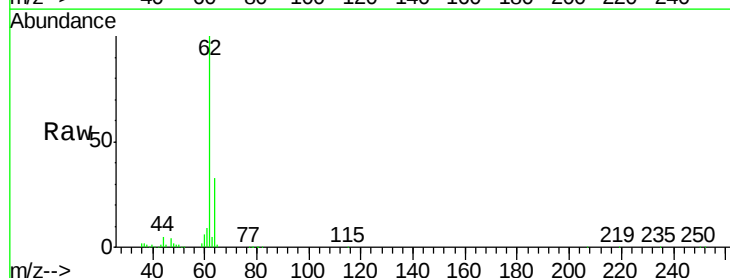
Acq: 19 Jul 2018 23:46

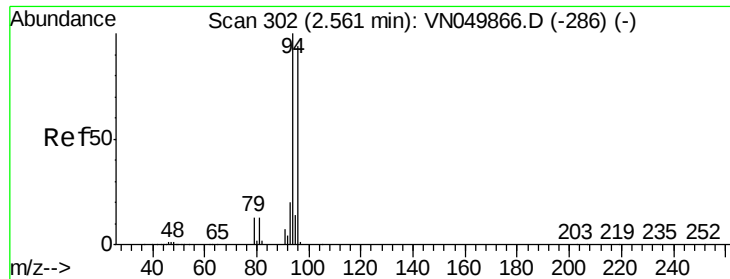
Tgt Ion: 62 Resp: 156048

Ion Ratio Lower Upper

62 100

64 32.8 25.4 38.0





#5

Bromomethane

Concen: 16.50 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

Tot Ion: 94 Resp: 81614

Ion Ratio Lower Upper

94 100

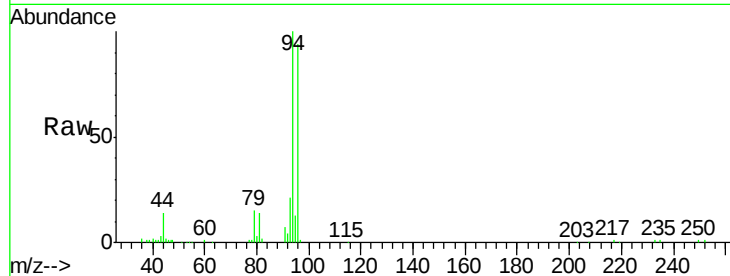
96 94.2 75.7 113.5

Manual Integrations

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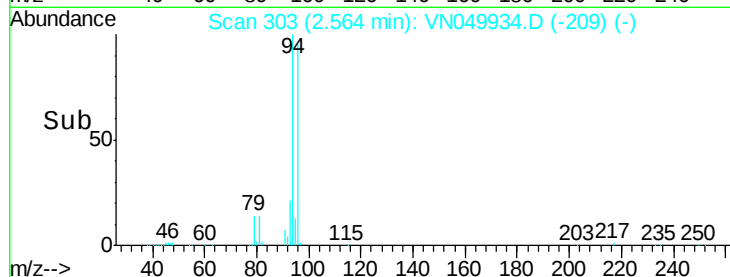


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

Time-->

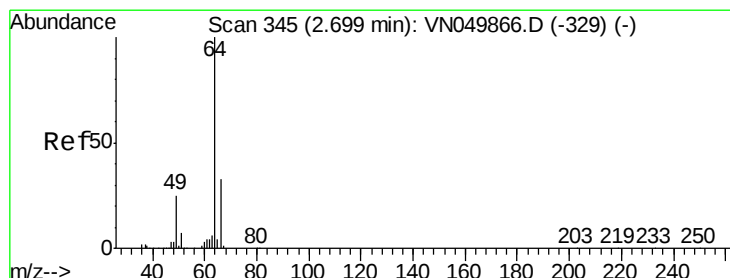


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

Time-->



#6

Chloroethane

Concen: 18.88 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049934.D

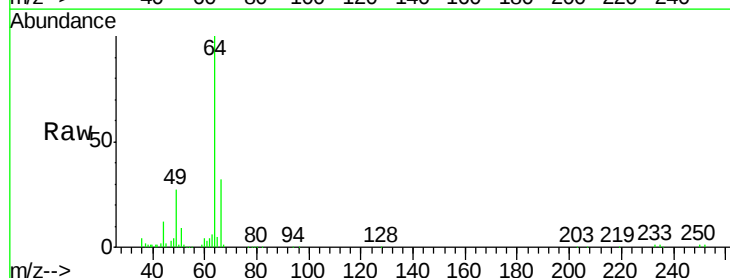
Acq: 19 Jul 2018 23:46

Tgt Ion: 64 Resp: 101213

Ion Ratio Lower Upper

64 100

66 32.2 25.6 38.4

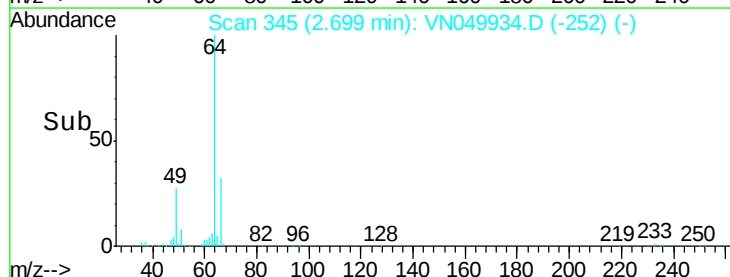


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

Time-->

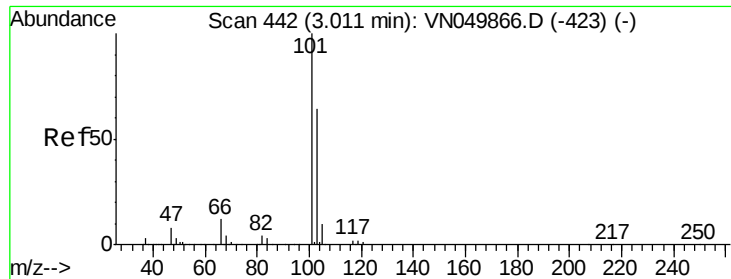


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

Time-->



#7

Trichlorofluoromethane

Concen: 19.11 ug/l

RT: 3.01 min Scan# 442

Delta R.T. -0.00 min

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Tot Ion:101 Resp: 215680

Ion Ratio Lower Upper

101 100

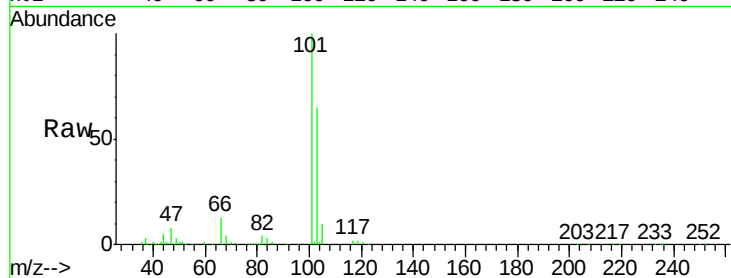
103 65.2 52.8 79.2

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

100000

80000

60000

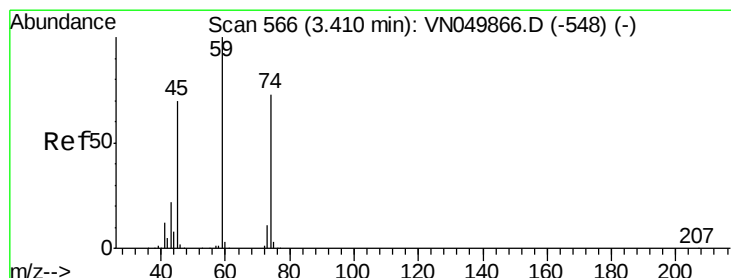
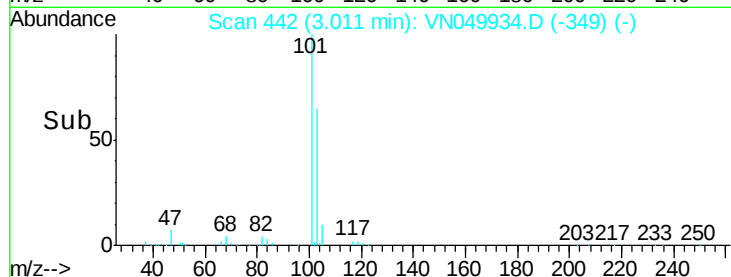
40000

20000

0

Time-->

2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 19.76 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN049934.D

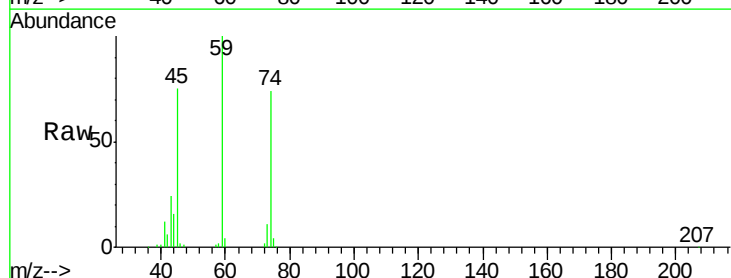
Acq: 19 Jul 2018 23:46

Tgt Ion: 74 Resp: 77785

Ion Ratio Lower Upper

74 100

45 99.0 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

3.41

40000

30000

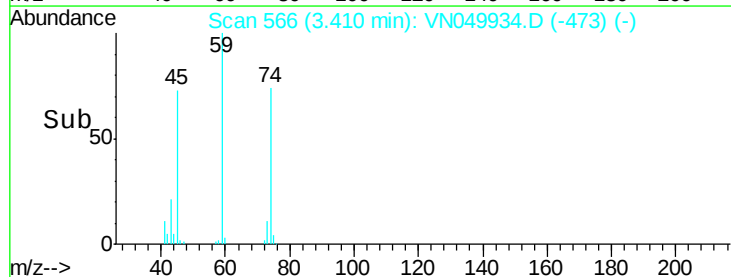
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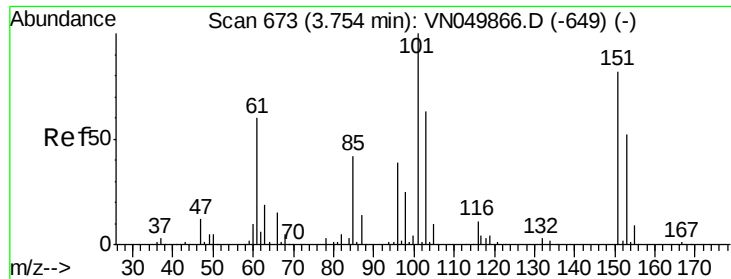
10000

0

Time-->

3.30 3.40 3.50





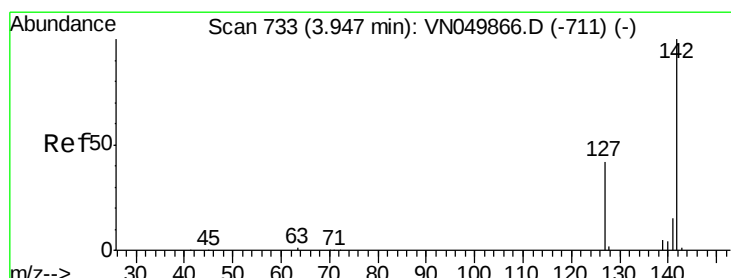
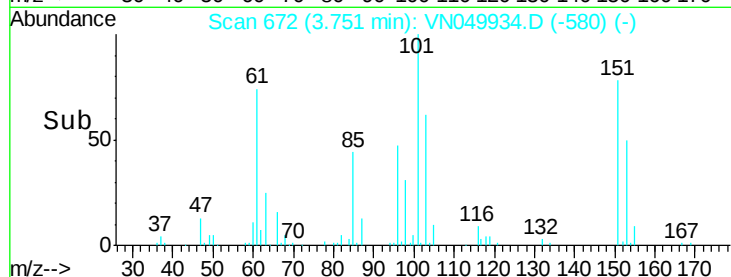
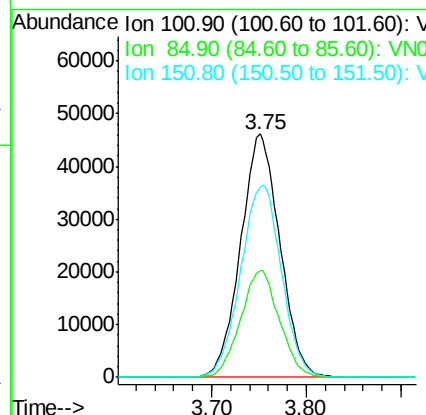
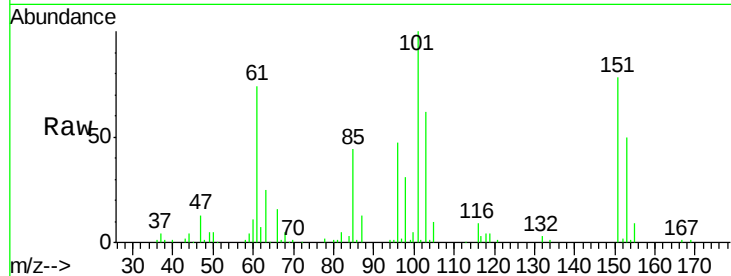
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.10 ug/l
RT: 3.75 min Scan# 672
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

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VN0719WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.3	34.4	51.6
151	81.9	66.2	99.4

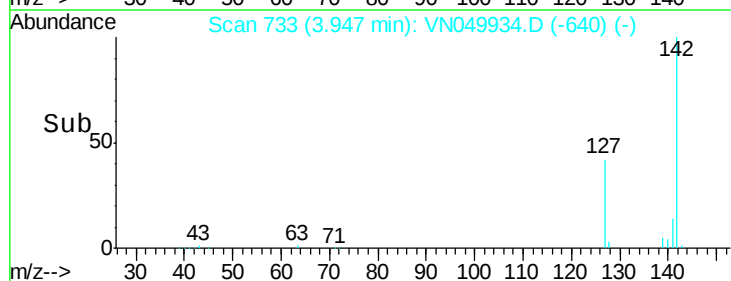
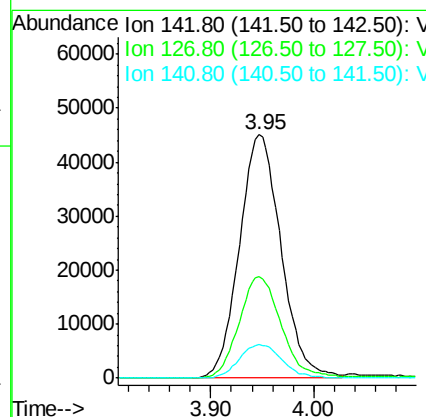
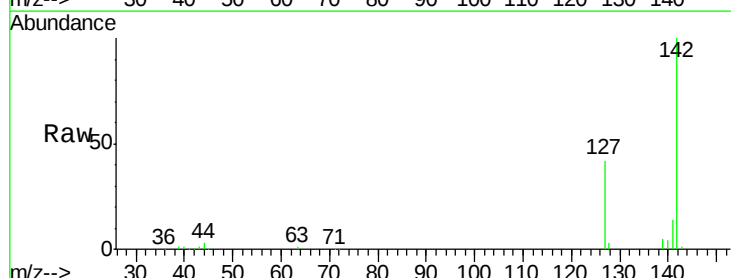
Manual Integrations
APPROVED

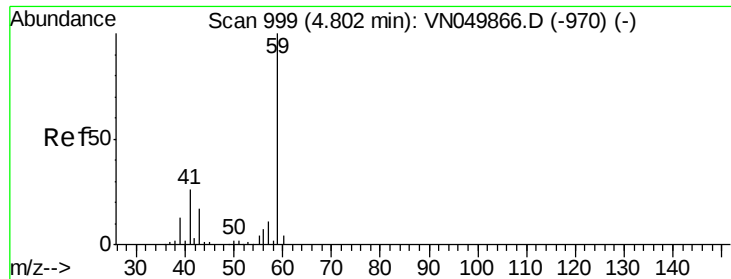
MMDadoda
7/20/2018 11:08:08 AM



#10
Methyl Iodide
Concen: 13.53 ug/l
RT: 3.95 min Scan# 733
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.3	32.5	48.7
141	14.2	11.1	16.7





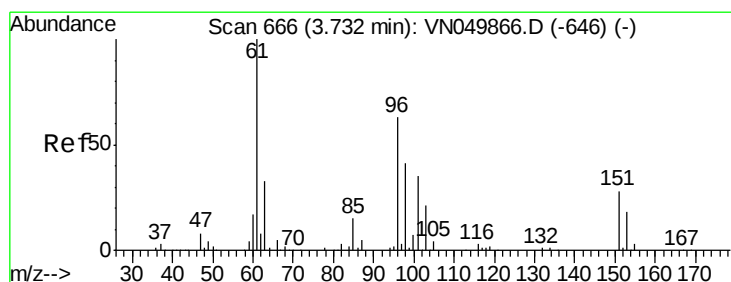
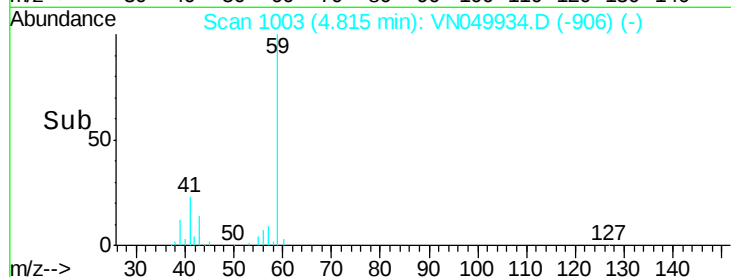
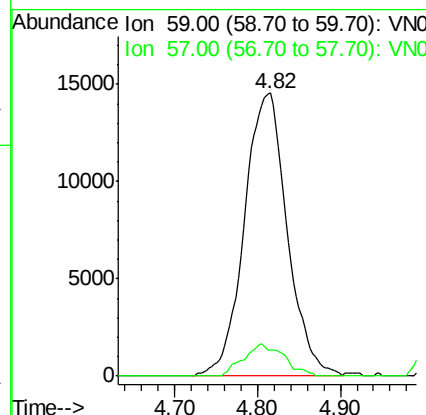
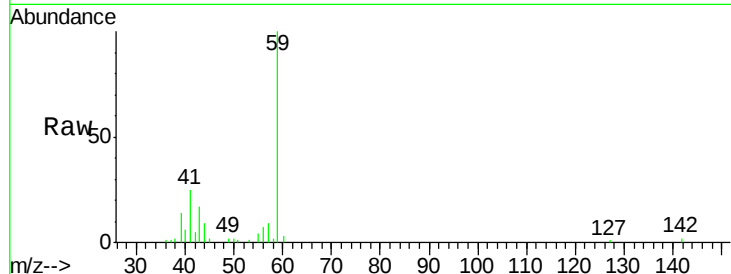
#11
Tert butyl alcohol
Concen: 94.67 ug/l
RT: 4.82 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion: 59 Resp: 52275
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7

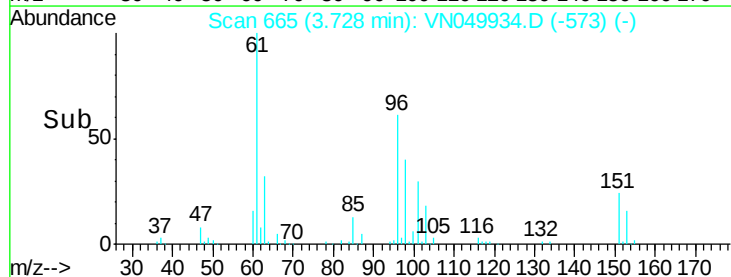
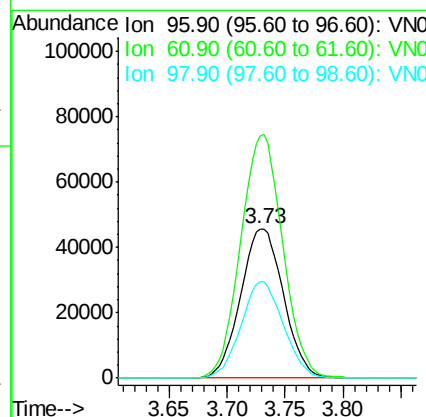
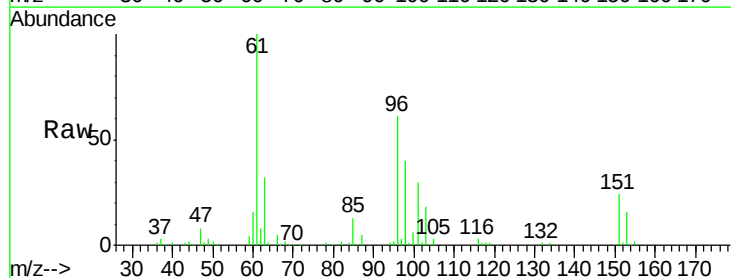
Manual Integrations
APPROVED

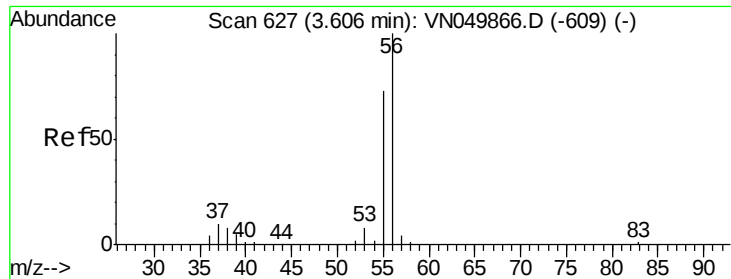
MMDadoda
7/20/2018 11:08:08 AM



#12
1,1-Dichloroethene
Concen: 19.21 ug/l
RT: 3.73 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 96 Resp: 117424
Ion Ratio Lower Upper
96 100
61 163.0 126.5 189.7
98 65.1 51.0 76.6





#13

Acrolein

Concen: 80.13 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

Tot Ion: 56 Resp: 28510

Ion Ratio Lower Upper

56 100

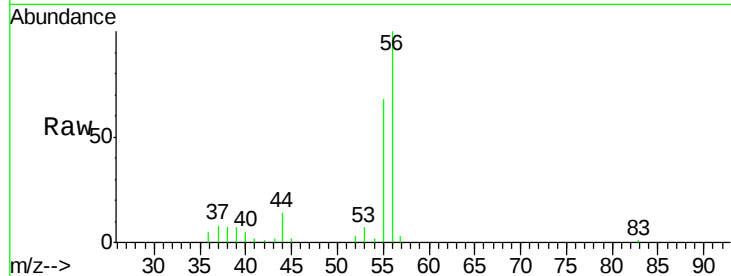
55 75.4 55.8 83.8

Manual Integrations

APPROVED

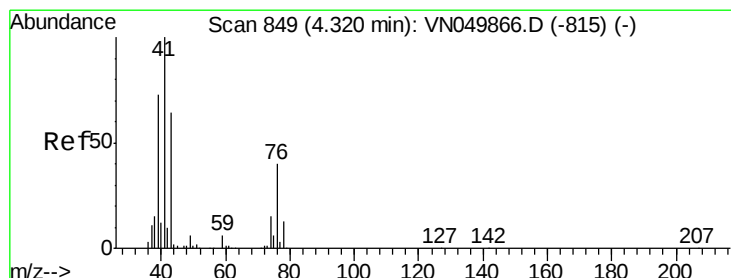
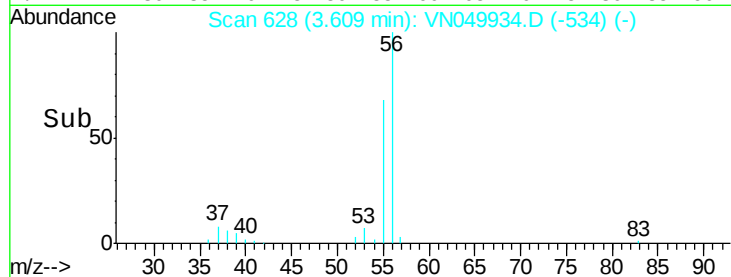
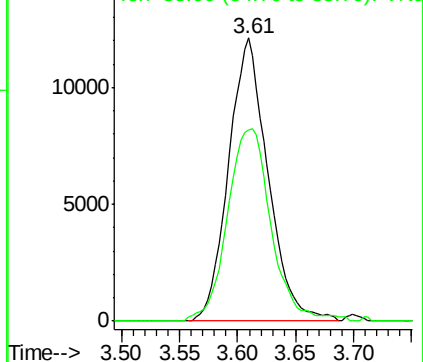
MMDadoda

7/20/2018 11:08:08 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.47 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

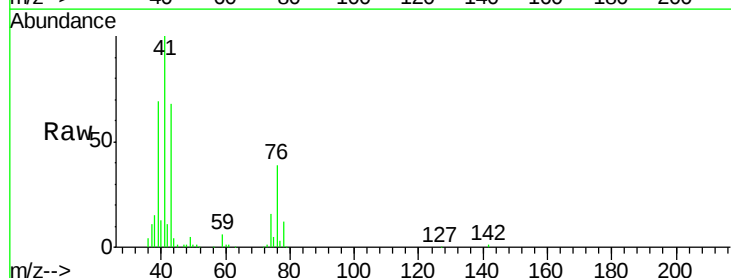
Tgt Ion: 41 Resp: 187613

Ion Ratio Lower Upper

41 100

39 68.4 53.2 79.8

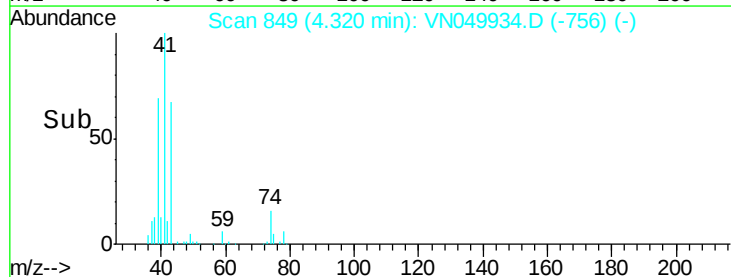
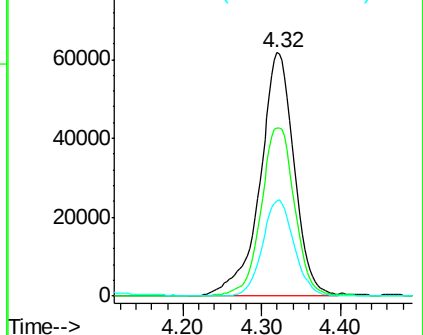
76 36.6 29.0 43.6

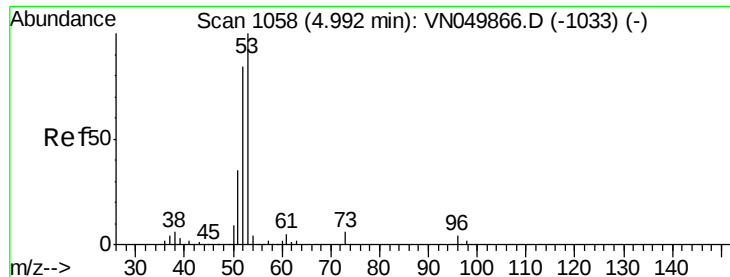


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





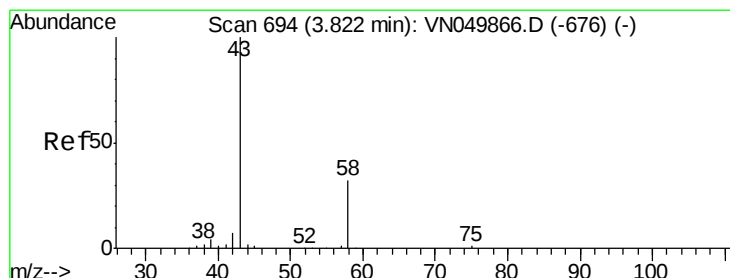
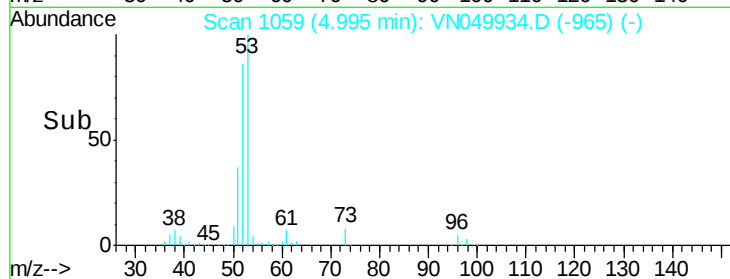
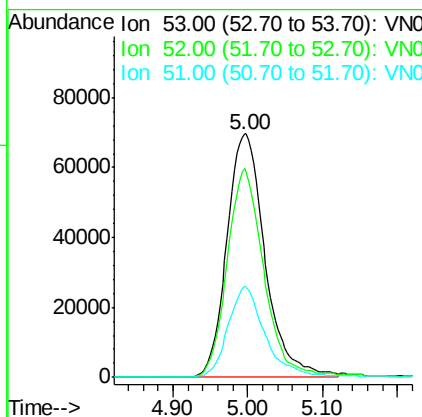
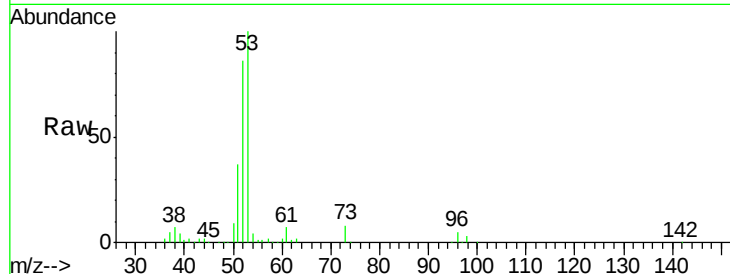
#15
 Acrylonitrile
 Concen: 101.70 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.4	64.8	97.2
51	35.7	28.9	43.3

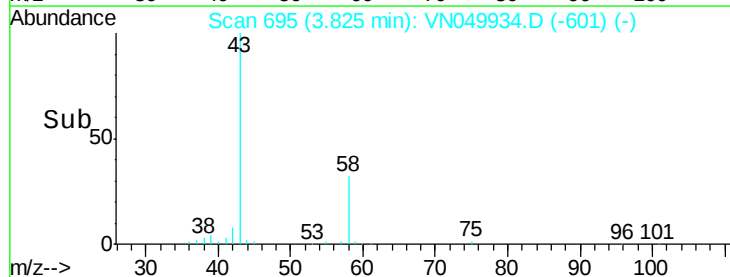
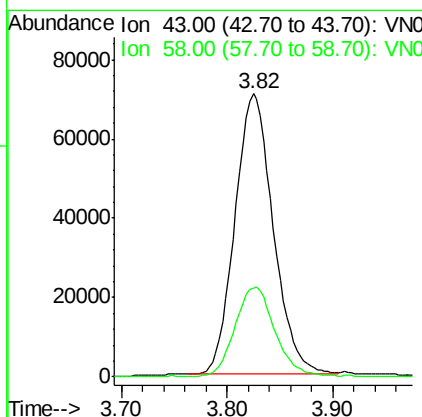
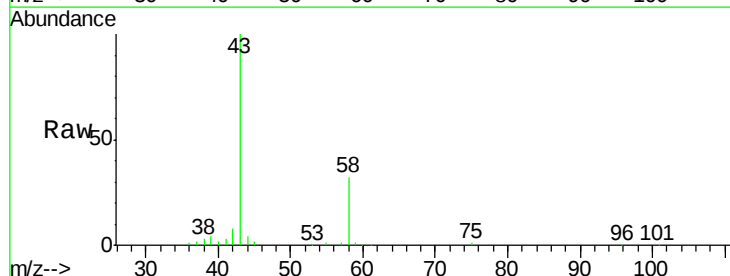
Manual Integrations
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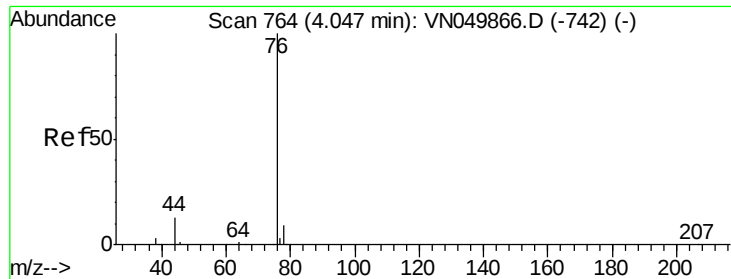
MMDadoda
 7/20/2018 11:08:08 AM



#16
 Acetone
 Concen: 89.14 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.9	38.9





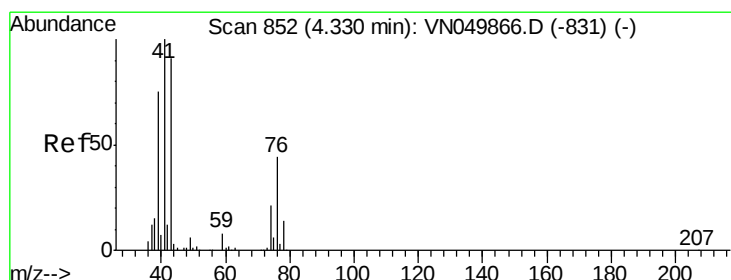
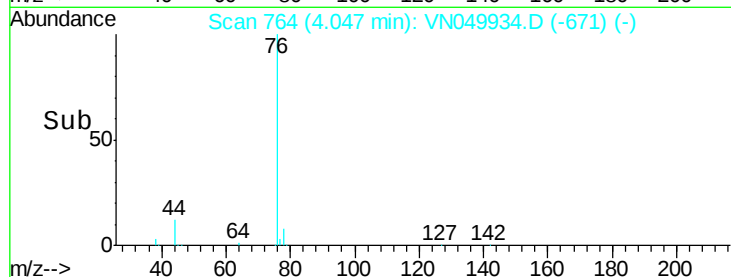
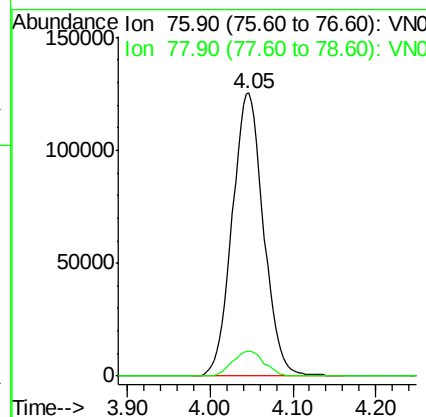
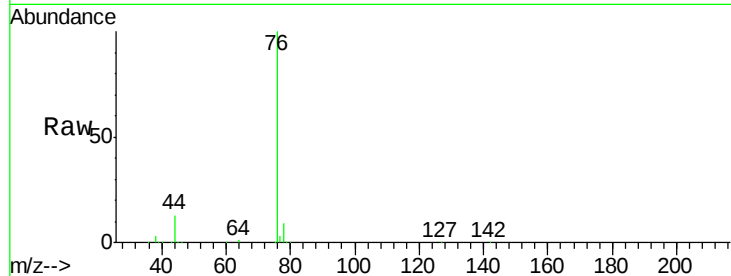
#17
Carbon Disulfide
Concen: 18.00 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

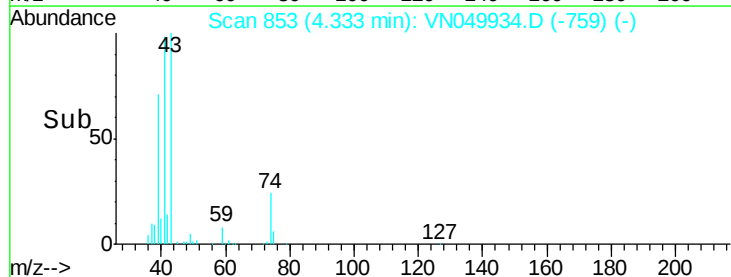
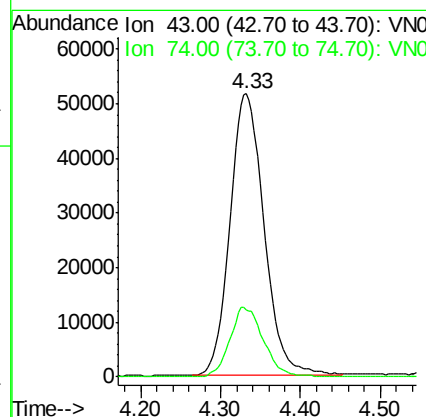
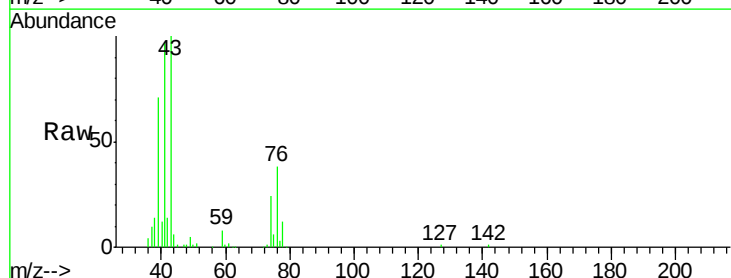
Manual Integrations
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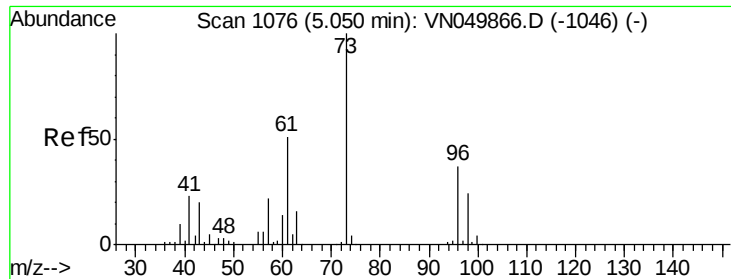
MMDadoda
7/20/2018 11:08:08 AM



#18
Methyl Acetate
Concen: 23.22 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.8	29.8





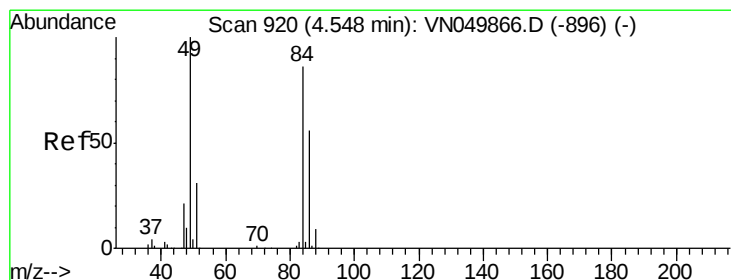
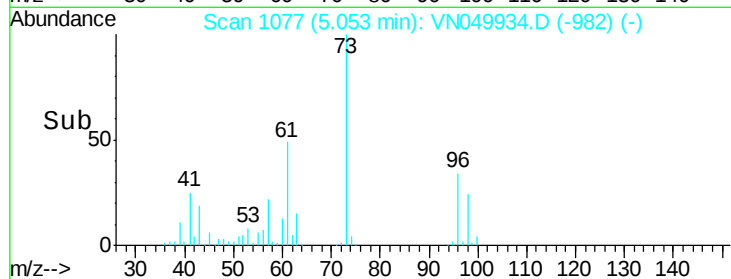
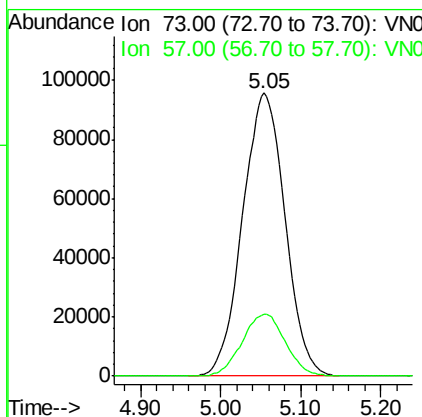
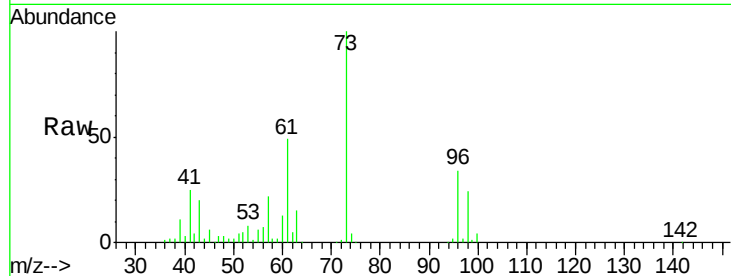
#19
Methvl tert-butvl Ether
Concen: 20.64 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion: 73 Resp: 347127
Ion Ratio Lower Upper
73 100
57 21.8 18.1 27.1

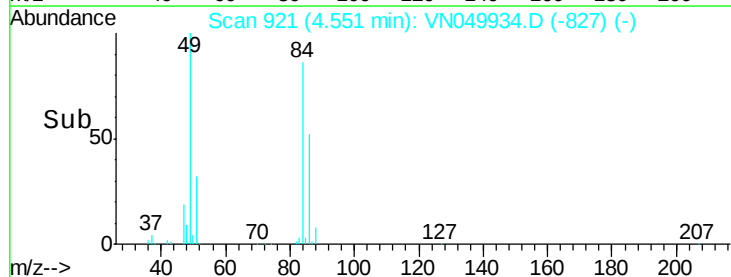
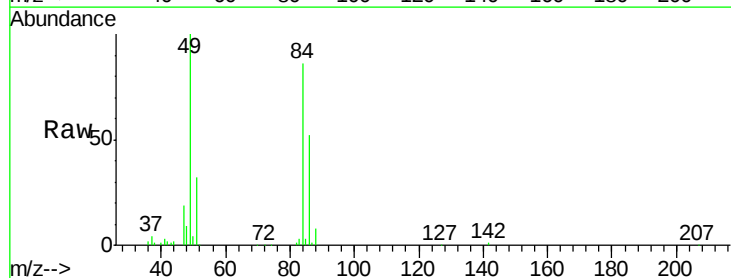
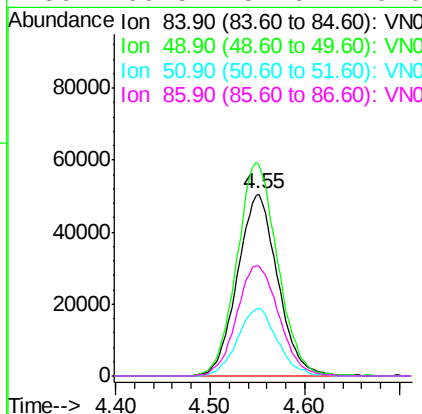
Manual Integrations
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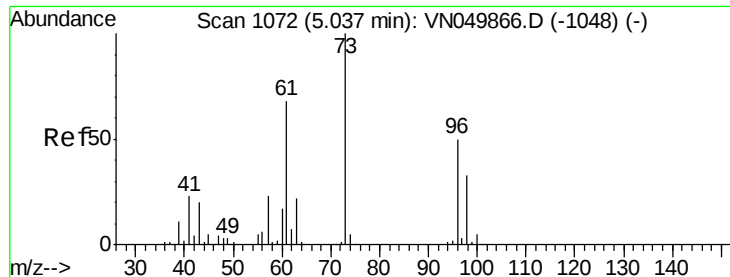
MMDadoda
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#20
Methylene Chloride
Concen: 19.57 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 84 Resp: 149366
Ion Ratio Lower Upper
84 100
49 115.9 95.4 143.2
51 37.3 28.4 42.6
86 60.5 52.6 79.0





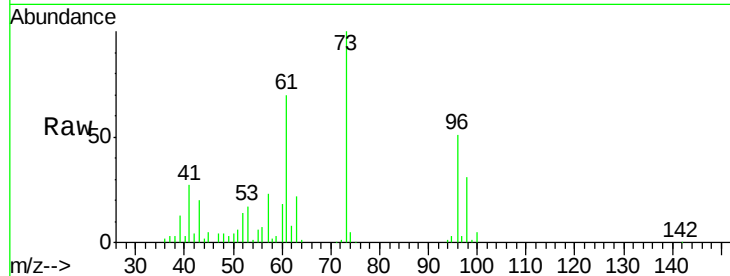
#21
trans-1,2-Dichloroethene
Concen: 19.57 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

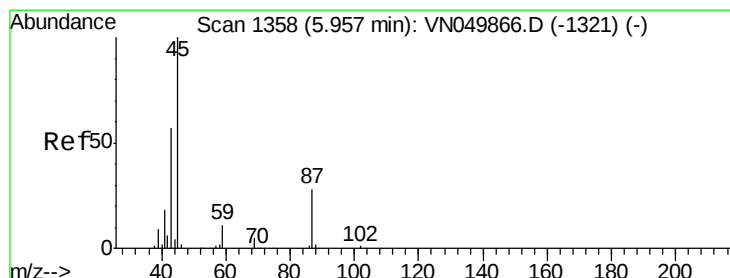
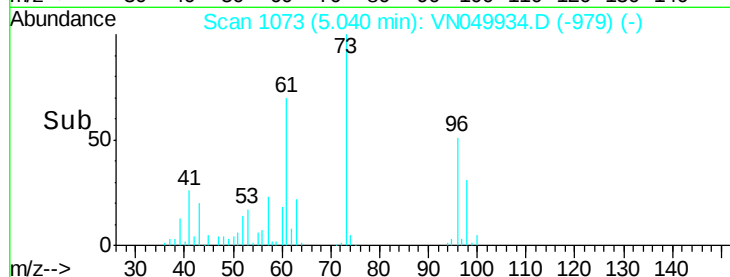
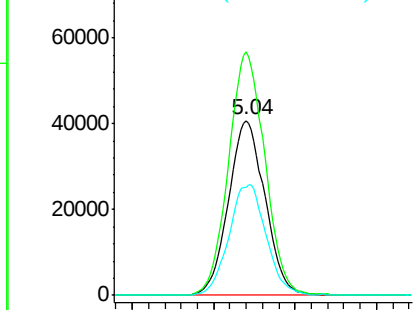
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.1	109.0	163.6
98	62.0	51.1	76.7

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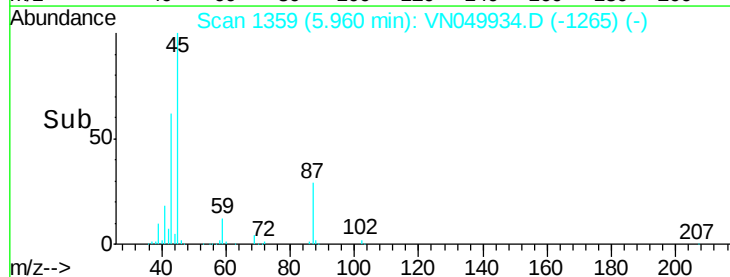
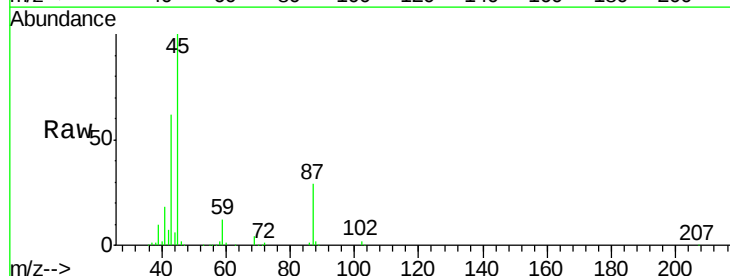
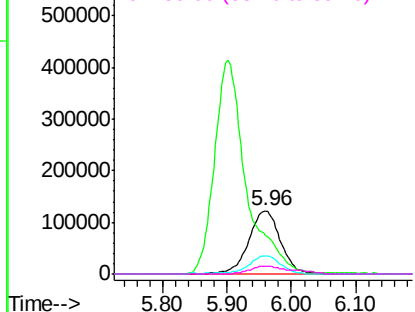
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

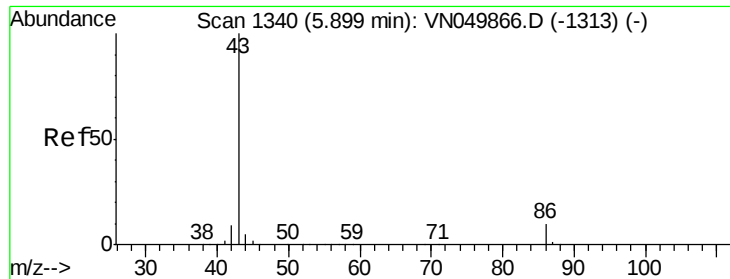


#22
Diisopropyl ether
Concen: 21.30 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.2	48.1	72.1
87	29.2	22.6	34.0
59	12.1	9.2	13.8

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





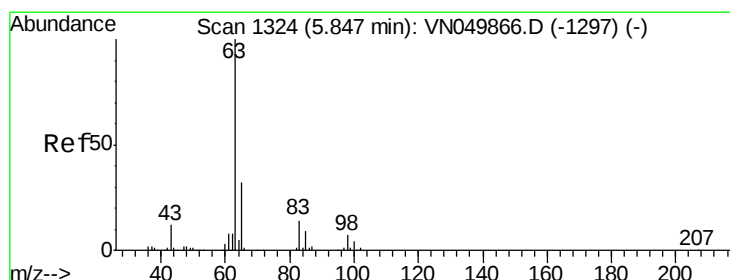
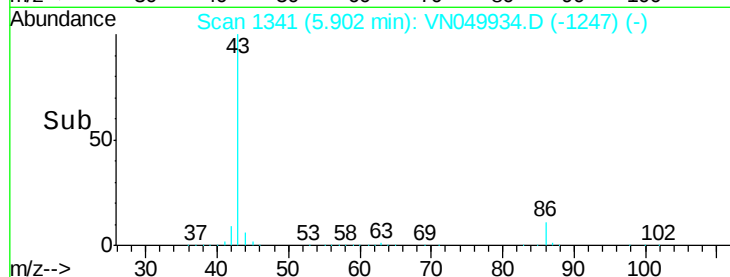
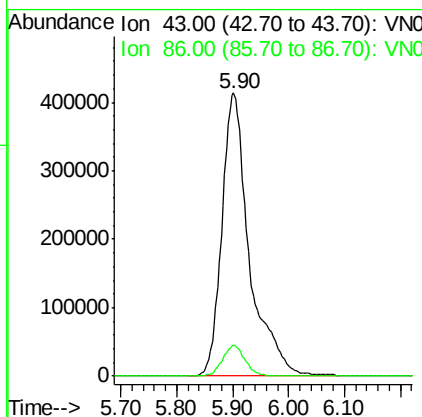
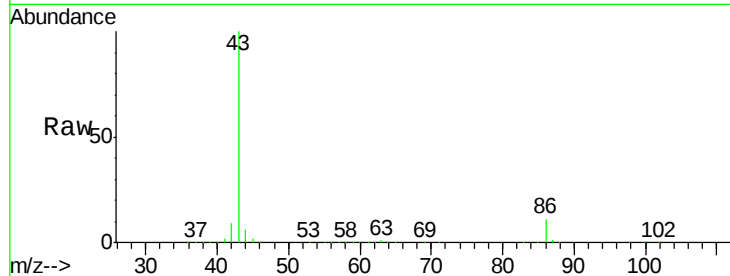
#23
Vinyl Acetate
Concen: 102.71 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion: 43 Resp: 1417311
Ion Ratio Lower Upper
43 100
86 10.9 8.4 12.6

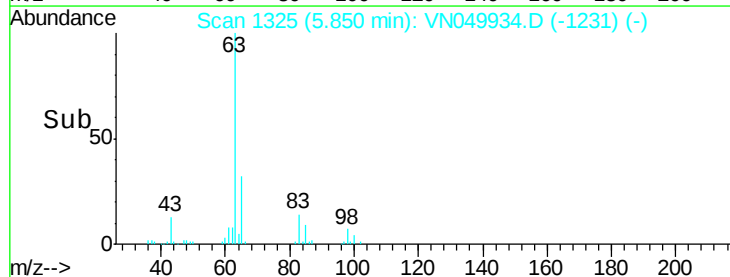
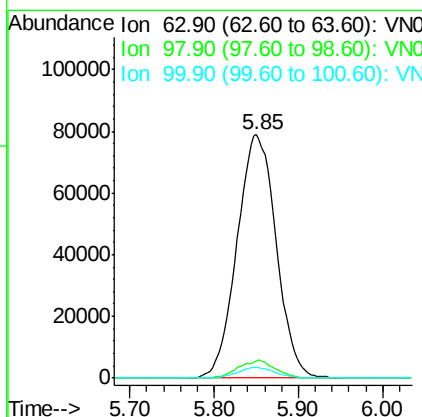
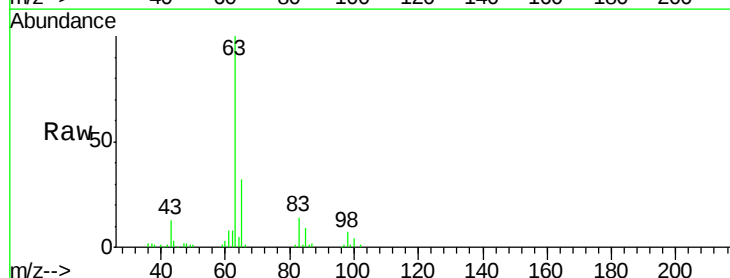
Manual Integrations
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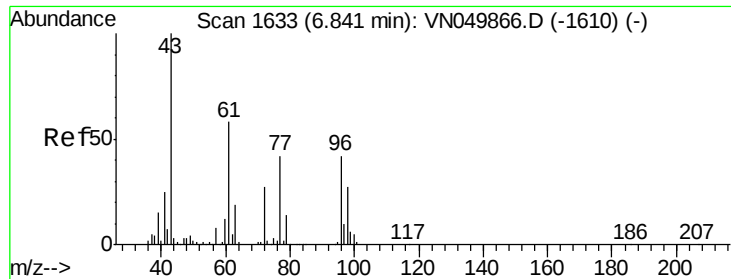
MMDadoda
7/20/2018 11:08:08 AM



#24
1,1-Dichloroethane
Concen: 20.17 ug/l
RT: 5.85 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 63 Resp: 254640
Ion Ratio Lower Upper
63 100
98 6.8 3.4 10.2
100 4.2 2.2 6.6





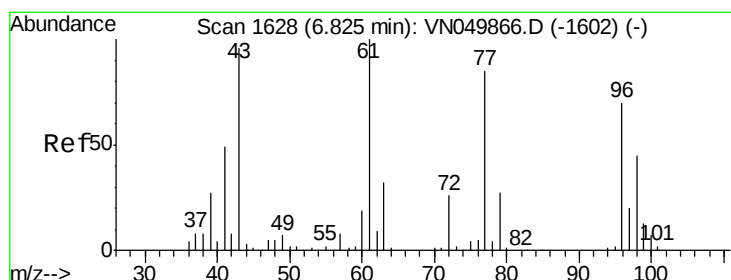
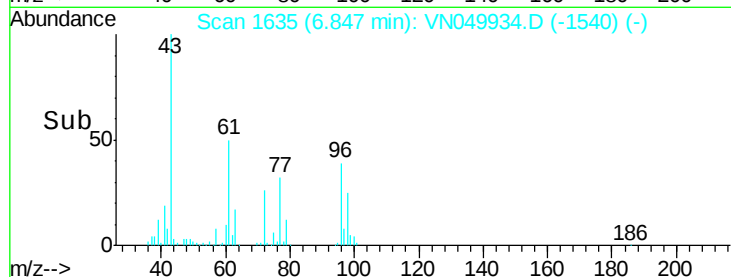
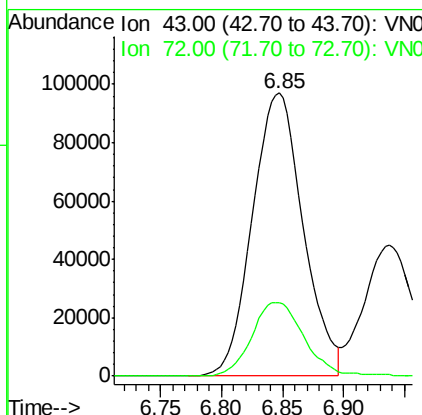
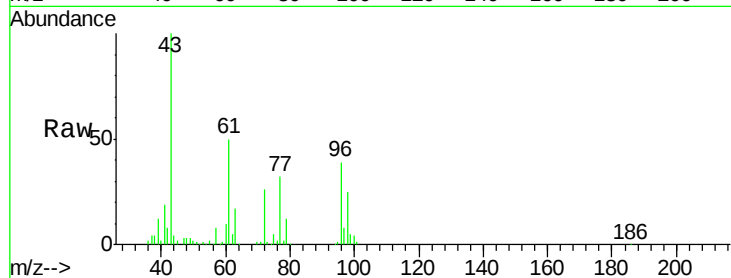
#25
2-Butanone
Concen: 97.25 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion: 43 Resp: 278893
Ion Ratio Lower Upper
43 100
72 26.0 22.1 33.1

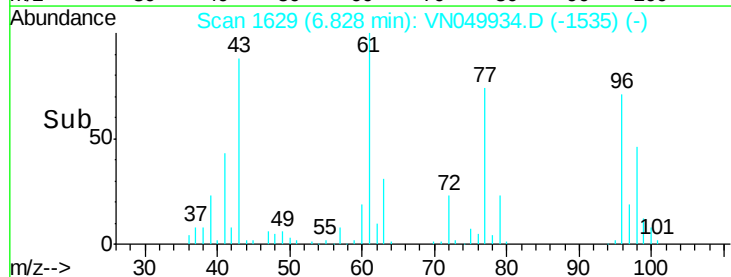
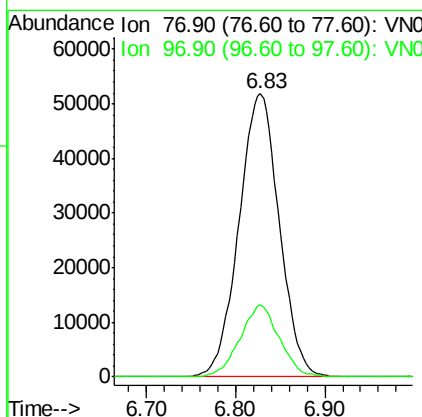
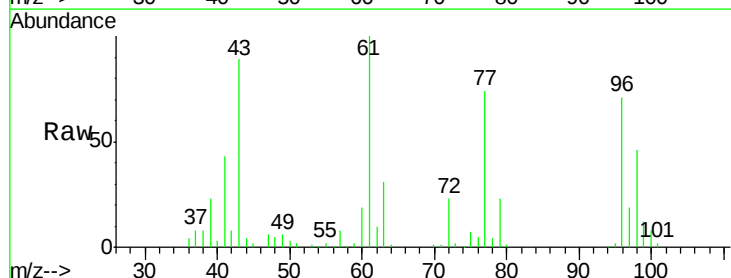
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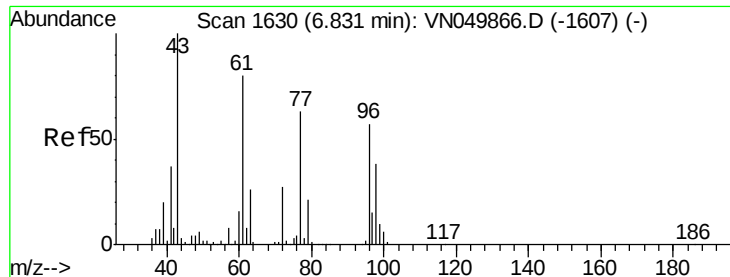
MMDadoda
7/20/2018 11:08:08 AM



#26
2,2-Dichloropropane
Concen: 16.58 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 77 Resp: 162850
Ion Ratio Lower Upper
77 100
97 24.8 11.9 35.5





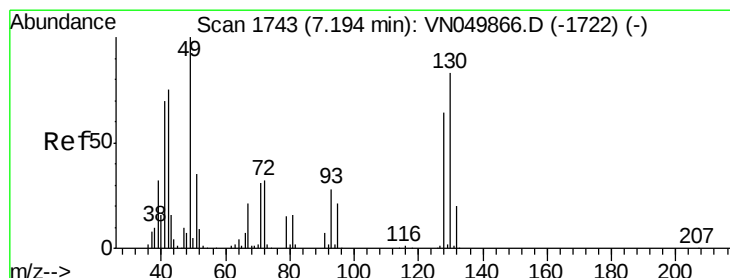
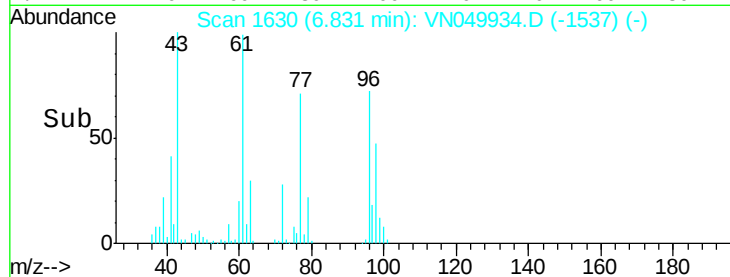
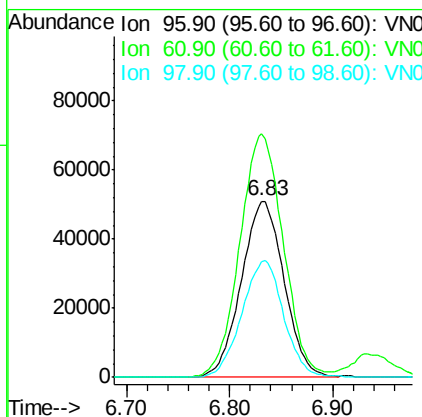
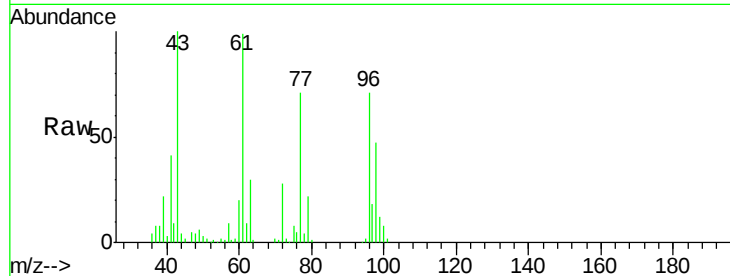
#27
 cis-1,2-Dichloroethene
 Concen: 20.62 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	146888		
61	140.6	0.0	289.0	
98	65.1	0.0	130.2	

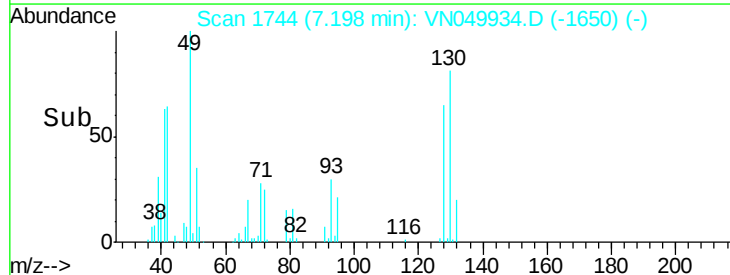
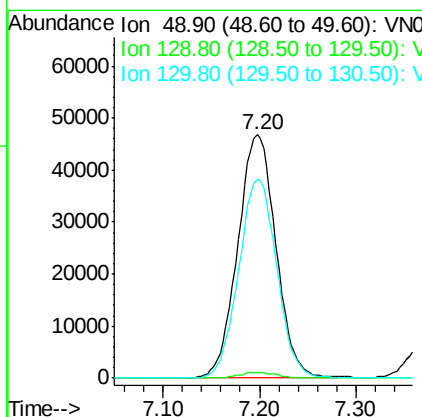
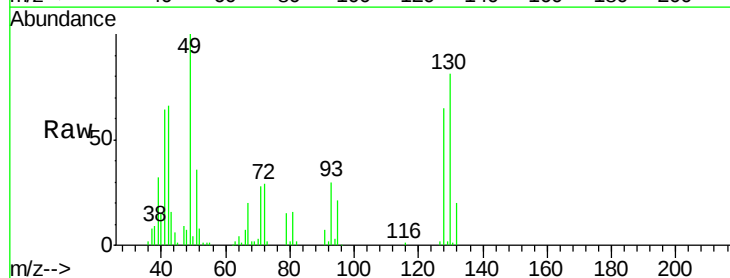
Manual Integrations
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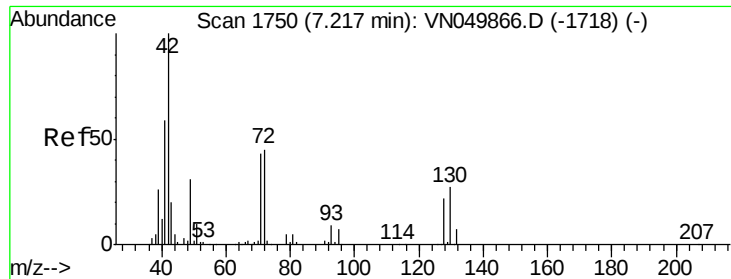
MMDadoda
 7/20/2018 11:08:08 AM



#28
 Bromochloromethane
 Concen: 22.53 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	128437		
129	2.2	0.0	4.2	
130	81.6	65.5	98.3	





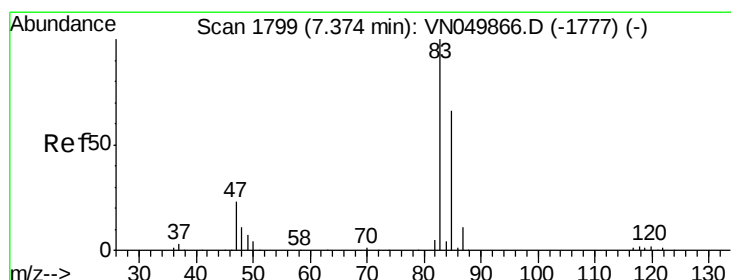
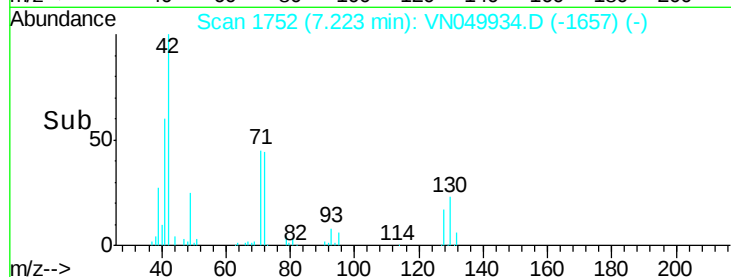
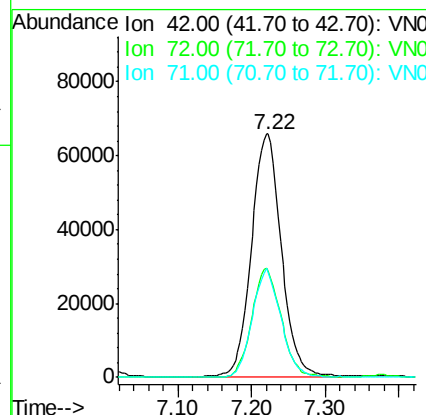
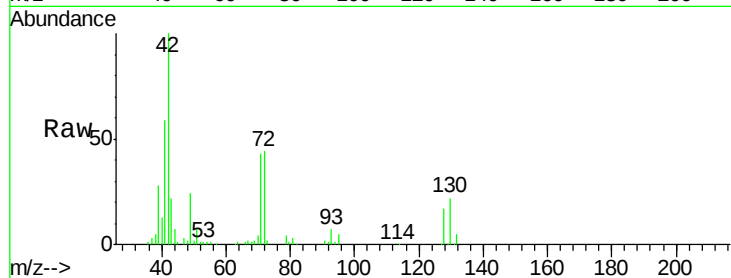
#29
Tetrahydrofuran
Concen: 102.60 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.6	53.4
71	42.8	34.0	51.0

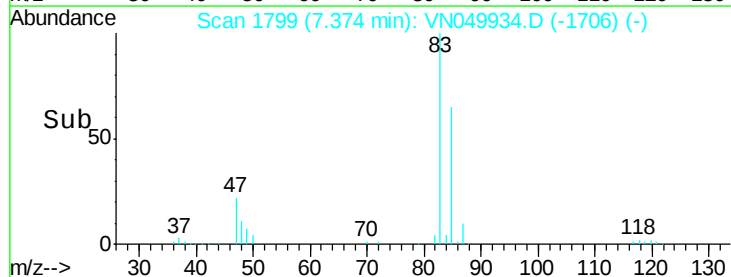
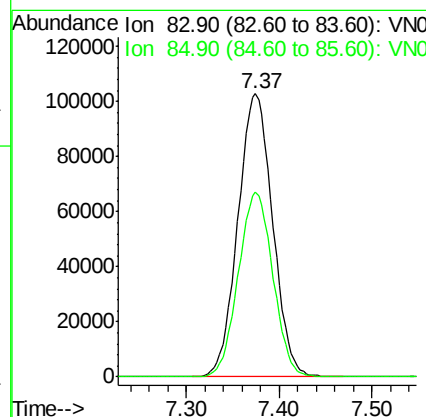
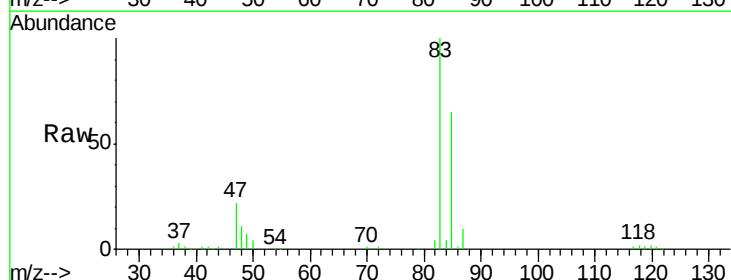
Manual Integrations
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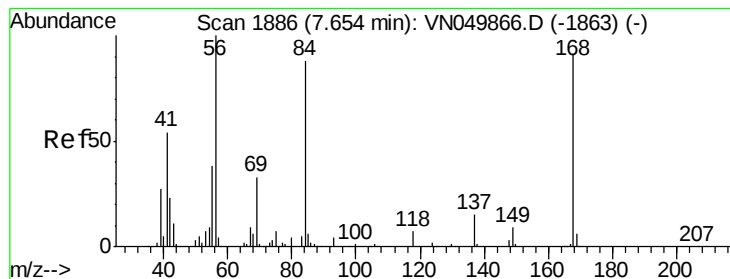
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#30
Chloroform
Concen: 20.60 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2





#31

Cyclohexane

Concen: 19.58 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

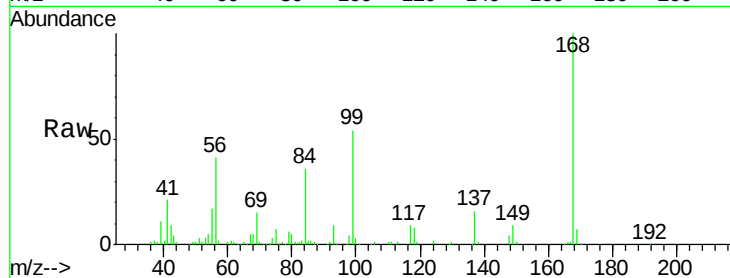
ClientSampleId :

VN0719WBSD02

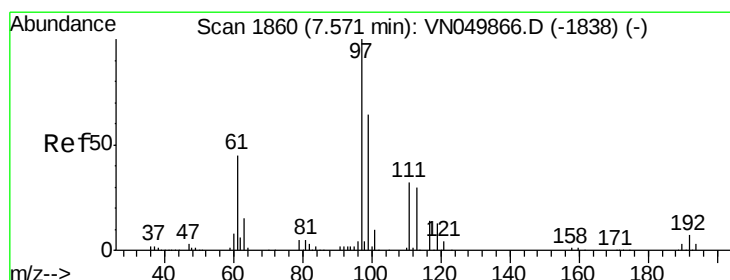
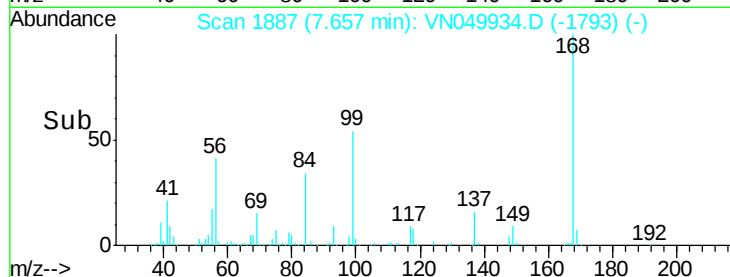
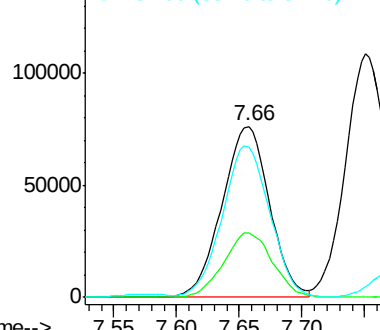
Tot Ion:	56	Resp:	201189
Ion Ratio	Lower	Upper	
56	100		
69	37.8	26.6	40.0
84	86.3	69.0	103.6

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN049934.D (-1793) (-)



#32

1,1,1-Trichloroethane

Concen: 19.78 ug/l

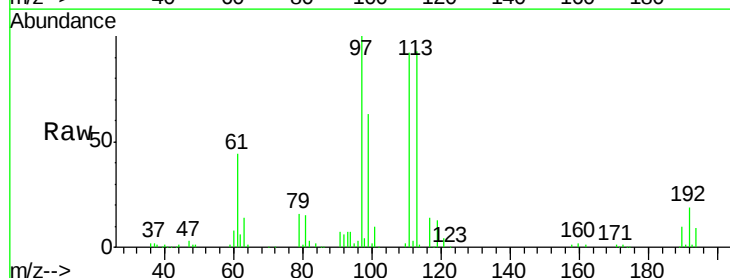
RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

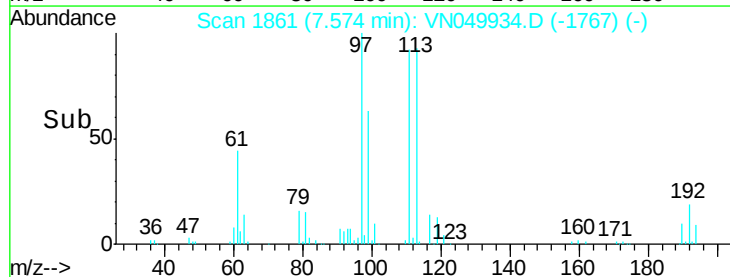
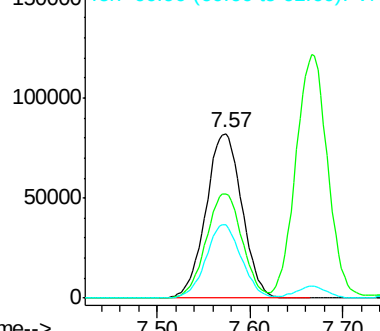
Lab File: VN049934.D

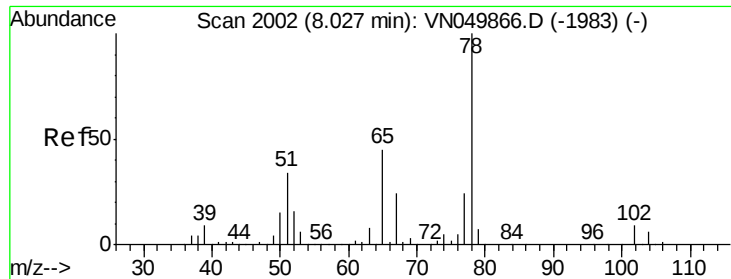
Acq: 19 Jul 2018 23:46

Tgt Ion:	97	Resp:	221555
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.0	76.4
61	43.9	35.5	53.3



Abundance Ion 96.90 (96.60 to 97.60): VN049934.D (-1767) (-)





#33

1,2-Dichloroethane-d4

Concen: 52.89 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

Tot Ion: 65 Resp: 409919

Ion Ratio Lower Upper

65 100

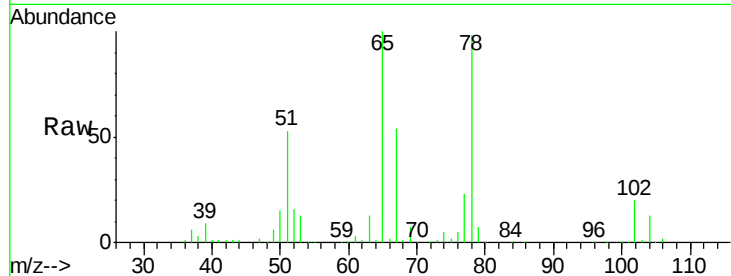
67 54.2 0.0 107.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN049866.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN049866.D (-1983) (-)

8.03

200000

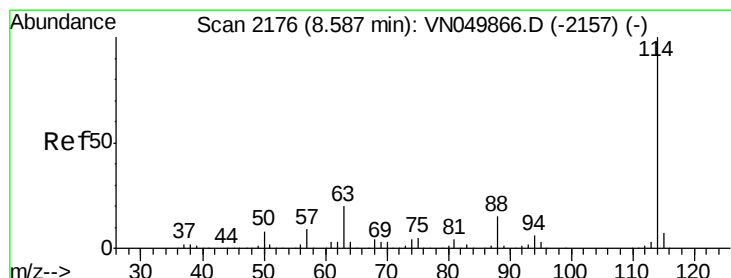
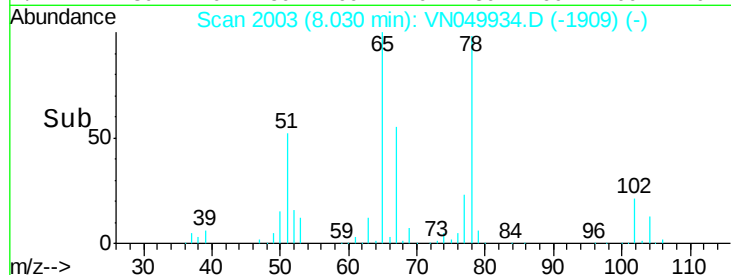
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

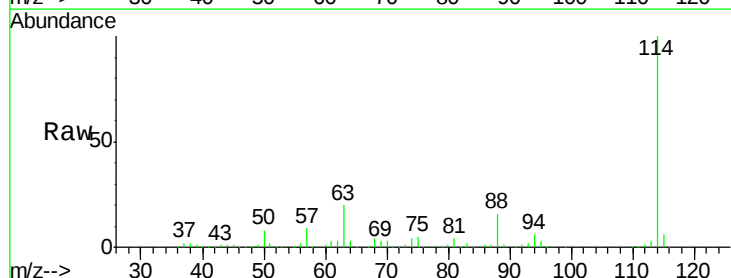
Tgt Ion: 114 Resp: 872865

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

88 15.7 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN049866.D (-2157) (-)

Ion 63.00 (62.70 to 63.70): VN049866.D (-2157) (-)

Ion 87.90 (87.60 to 88.60): VN049866.D (-2157) (-)

8.59

500000

400000

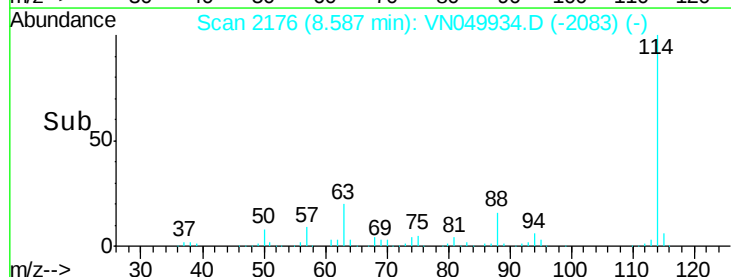
300000

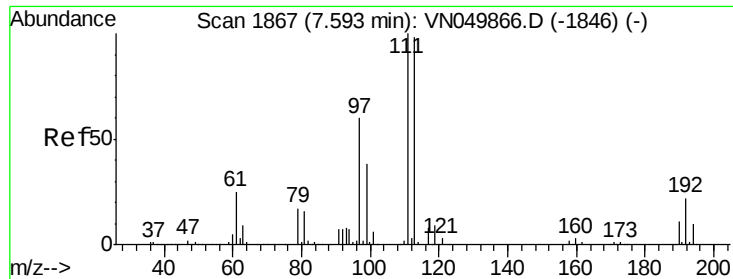
200000

100000

0

Time-->





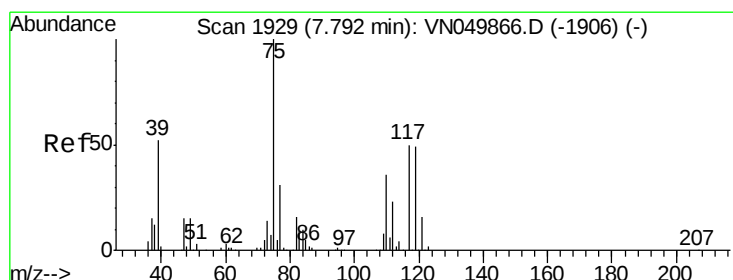
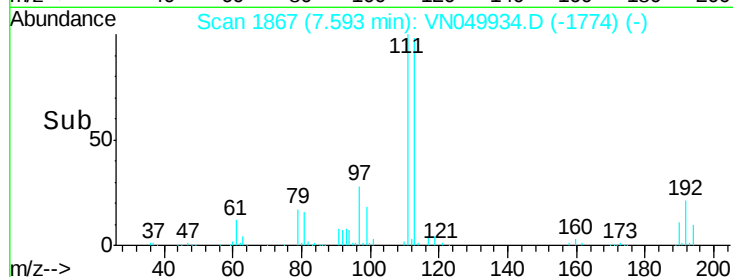
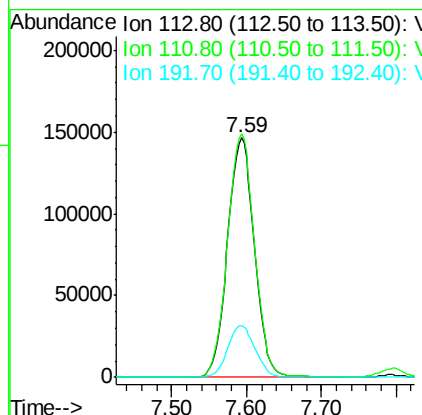
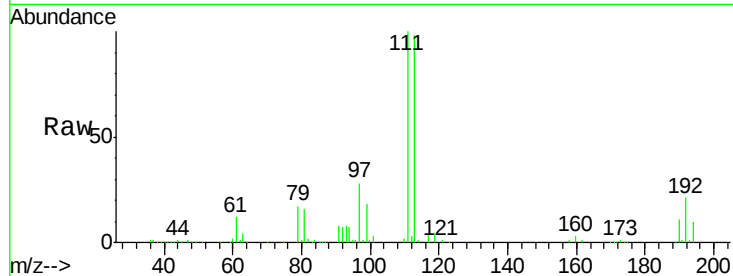
#35
 Dibromofluoromethane
 Concen: 49.84 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	365215		
111	101.6	81.8	122.8	
192	21.9	17.8	26.6	

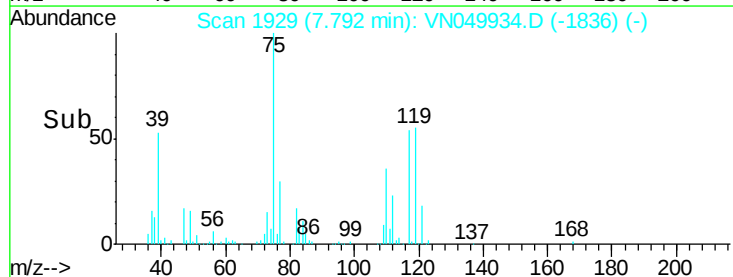
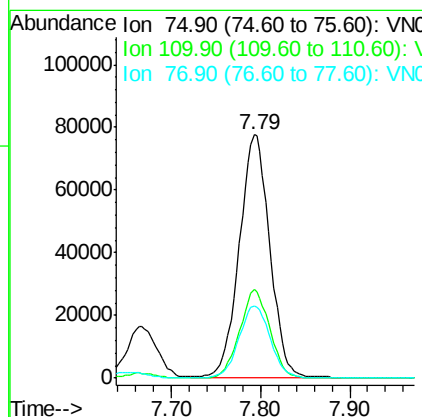
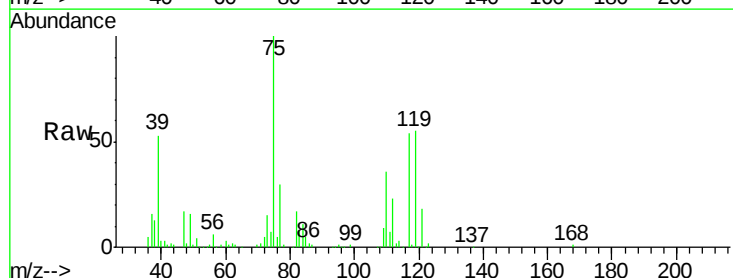
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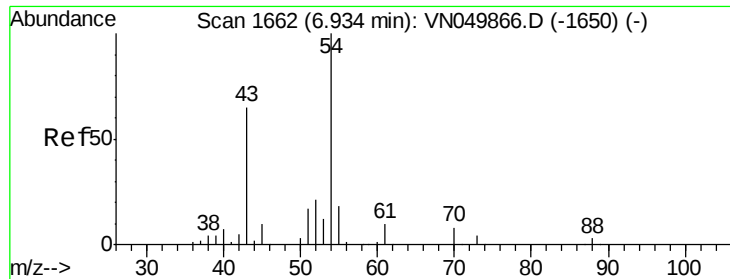
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#36
 1,1-Dichloropropene
 Concen: 18.83 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	182733		
110	35.9	18.1	54.4	
77	30.7	24.9	37.3	





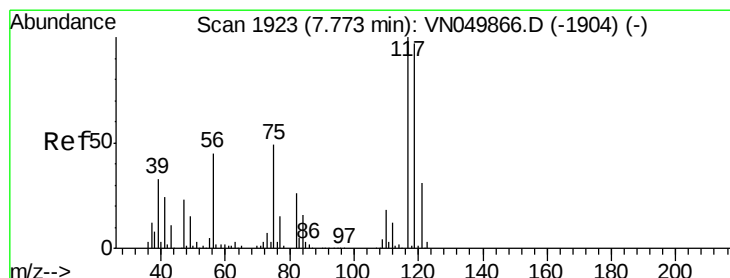
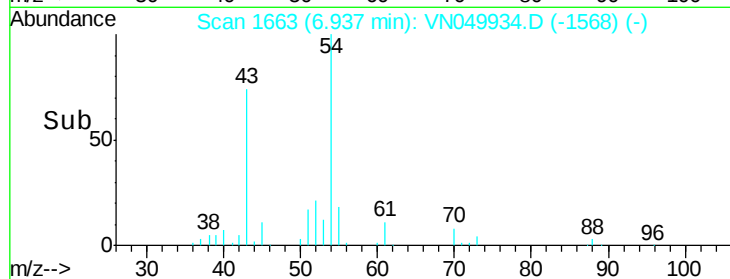
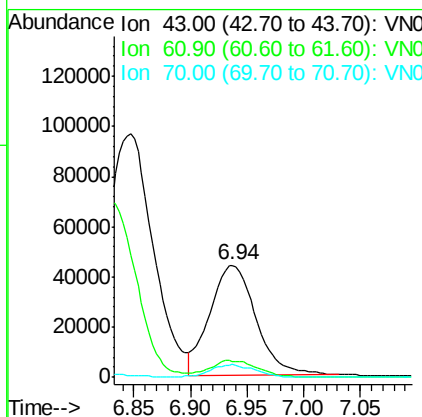
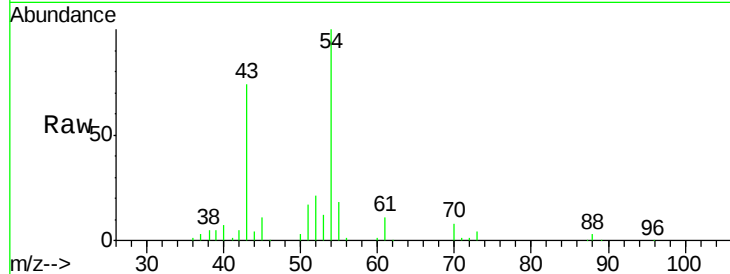
#37
Ethyl Acetate
Concen: 18.81 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleID :
VN0719WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.7	17.5
70	11.3	8.4	12.6

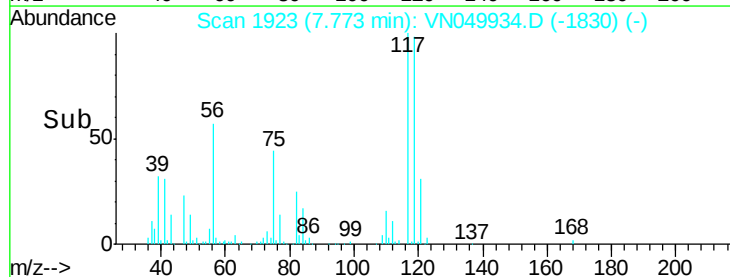
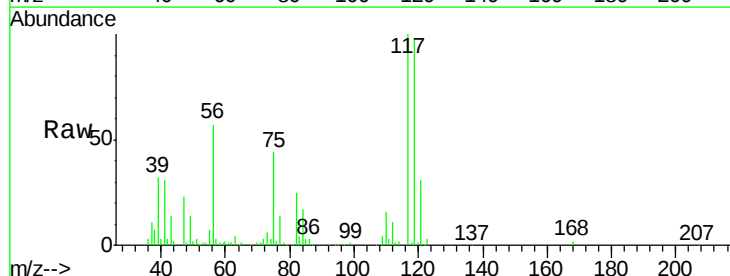
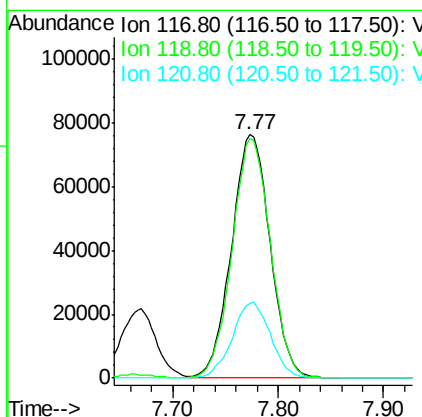
Manual Integrations
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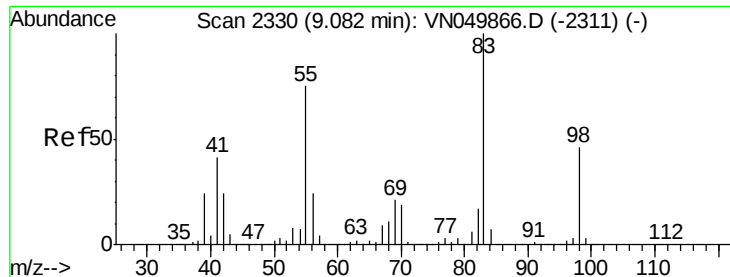
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#38
Carbon Tetrachloride
Concen: 18.66 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.2	115.8
121	30.9	25.0	37.6





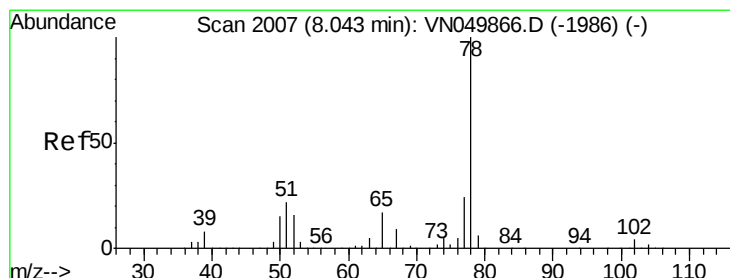
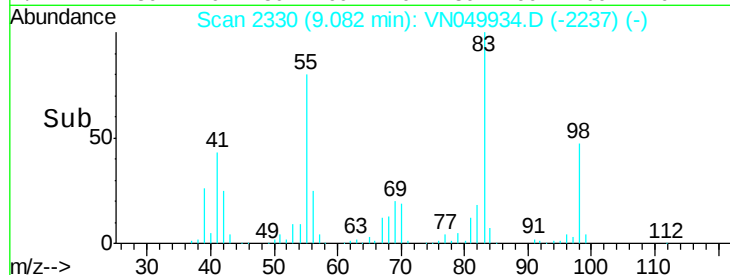
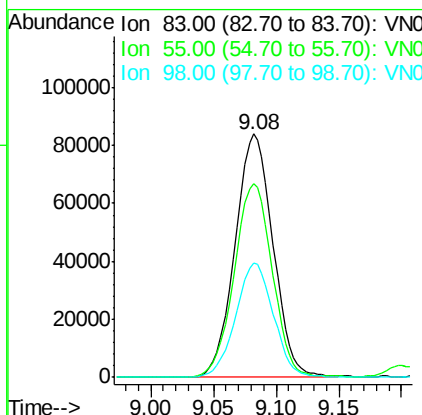
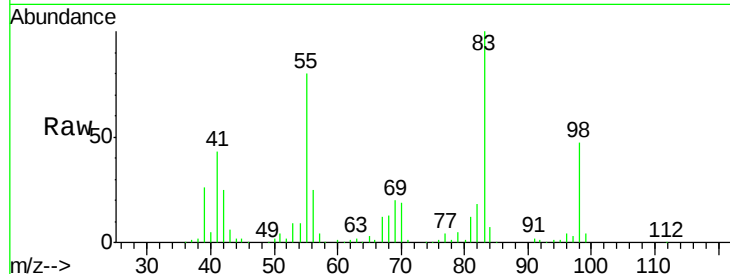
#39
Methylvlcyclohexane
Concen: 17.68 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion	83	Resp	177220
Ion Ratio	Lower	Upper	
83	100		
55	79.8	59.7	89.5
98	47.2	36.5	54.7

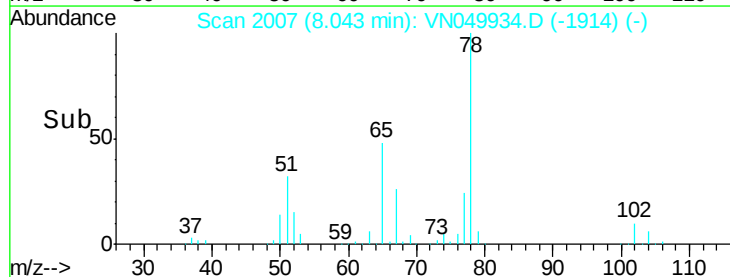
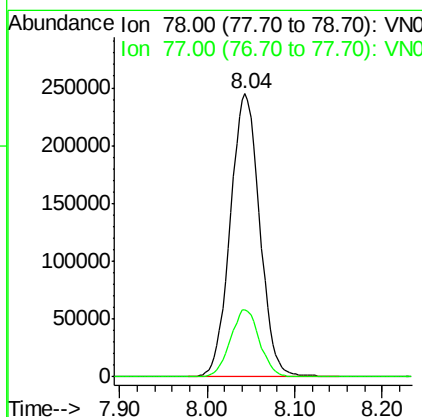
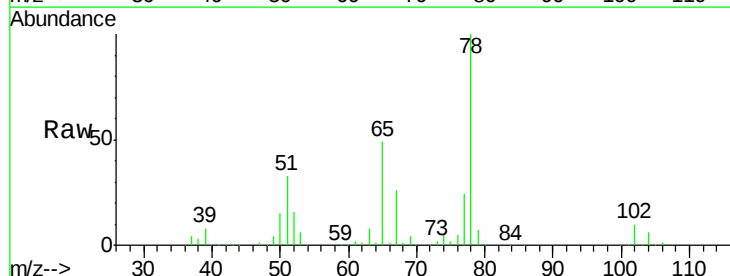
Manual Integrations
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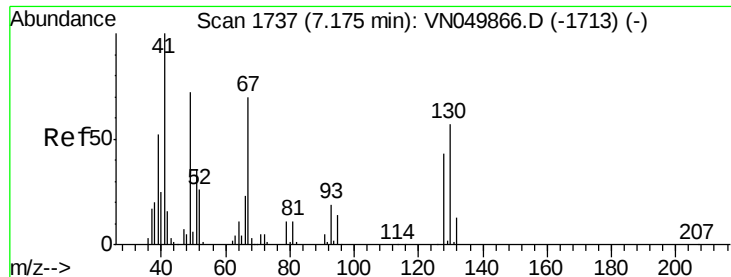
MMDadoda
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#40
Benzene
Concen: 19.33 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion	78	Resp	571800
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.0	28.4





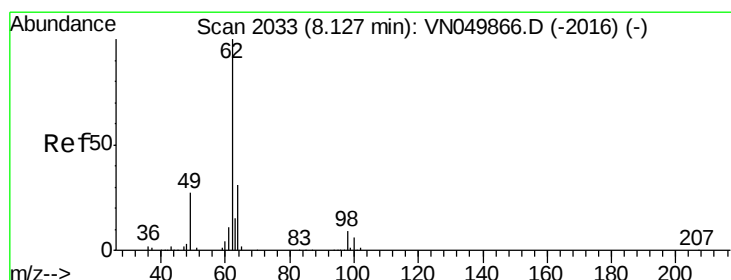
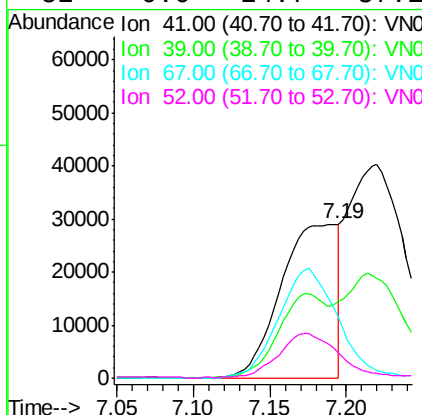
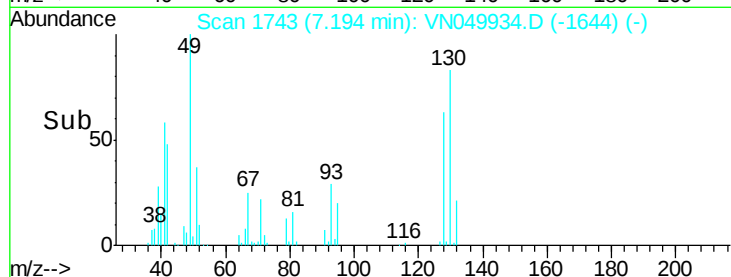
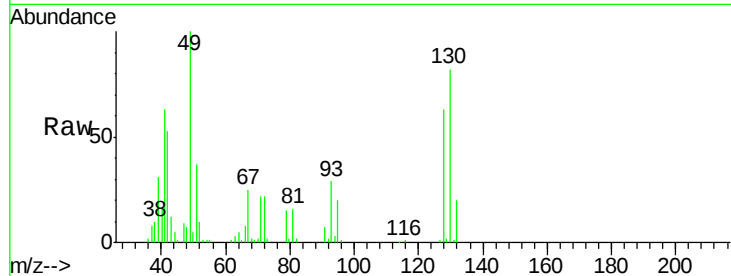
#41
Methacrylonitrile
Concen: 22.24 ug/l m
RT: 7.19 min Scan# 1743
Delta R.T. 0.02 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.4	68.2#
67	0.0	65.4	98.0#
52	0.0	24.7	37.1#

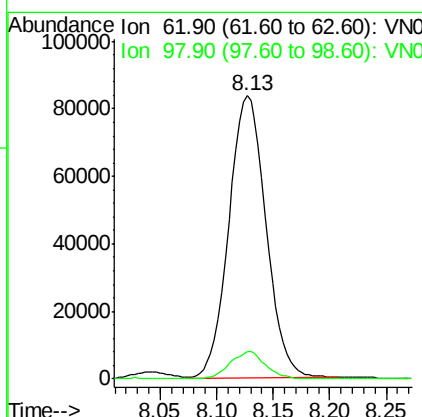
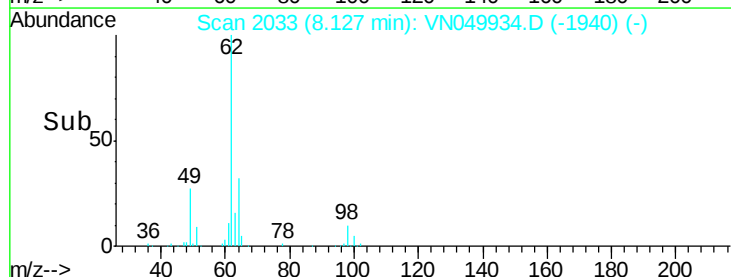
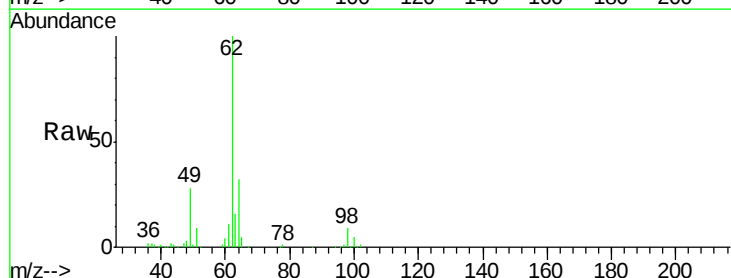
Manual Integrations
APPROVED

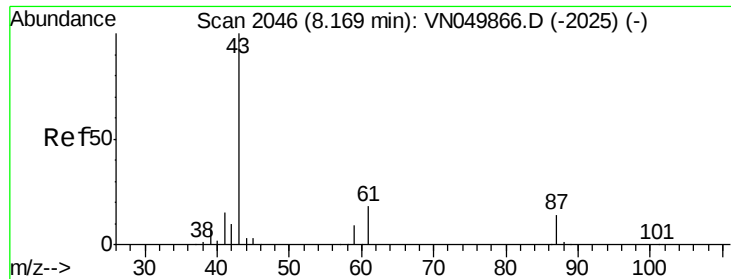
MMDadoda
7/20/2018 11:08:08 AM



#42
1,2-Dichloroethane
Concen: 19.55 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0





#43

Isopropyl Acetate

Concen: 21.66 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

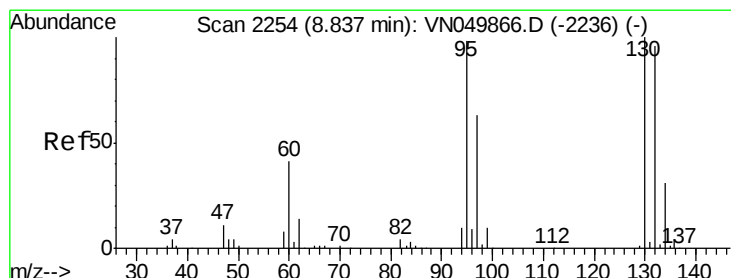
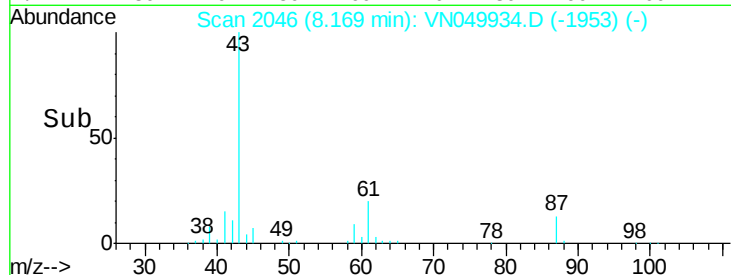
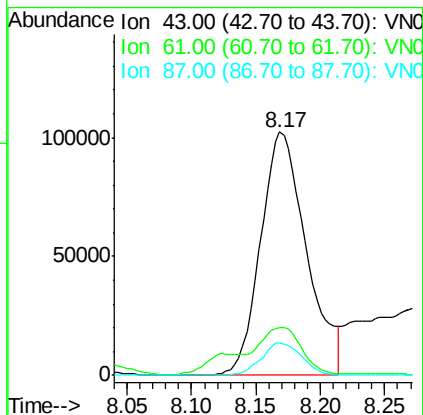
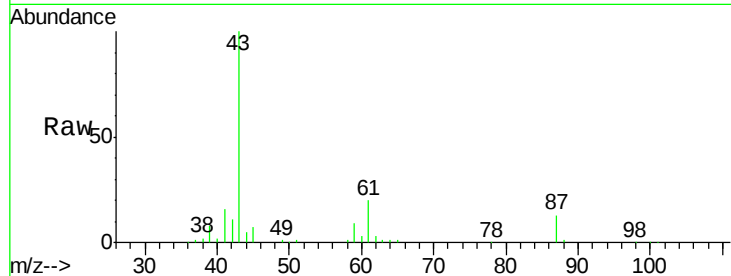
ClientSampleId :

VN0719WBSD02

Tot Ion:	43	Resp:	252243
Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.9	22.3
87	11.8	10.0	15.0

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#44

Trichloroethene

Concen: 18.68 ug/l

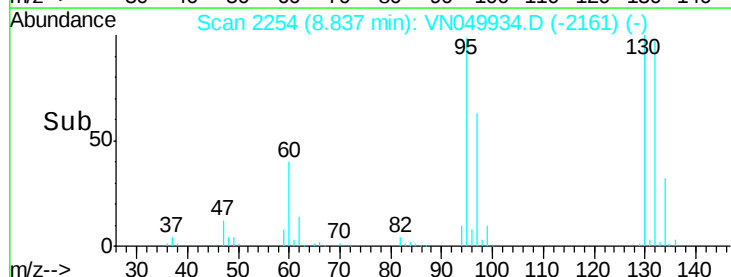
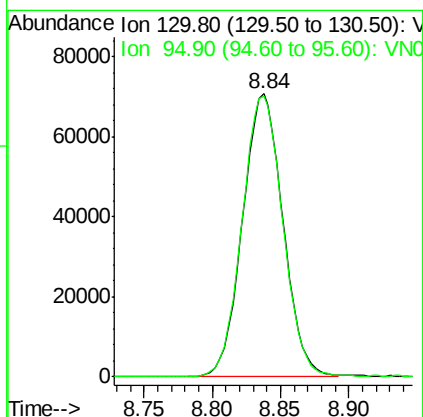
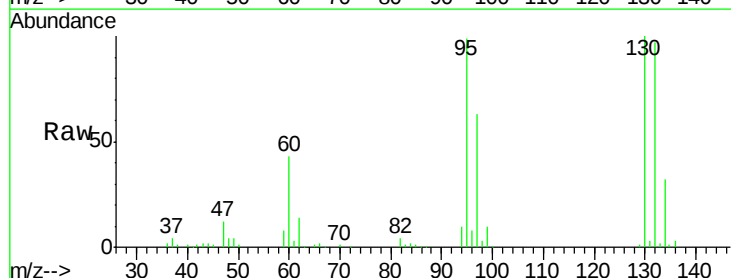
RT: 8.84 min Scan# 2254

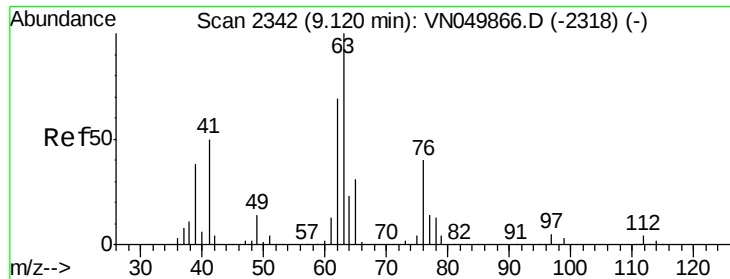
Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Tgt Ion:	130	Resp:	144882
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	192.8





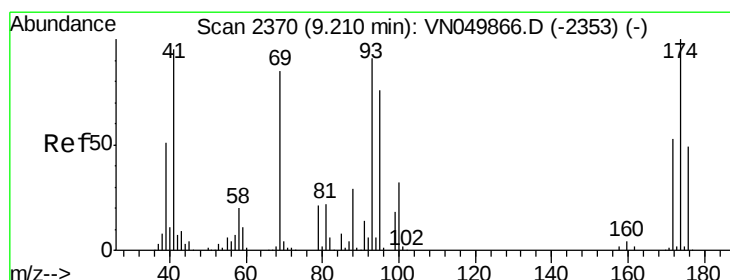
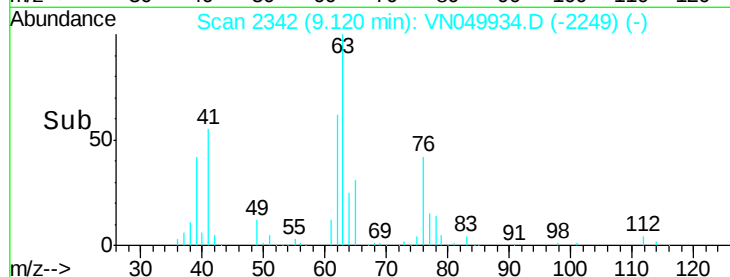
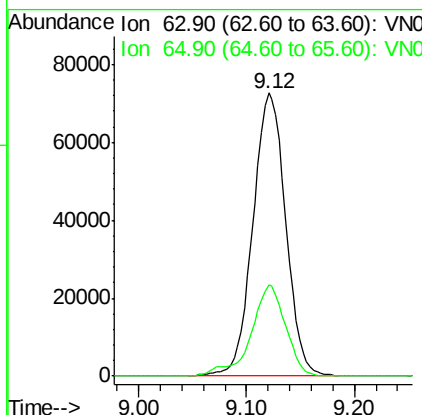
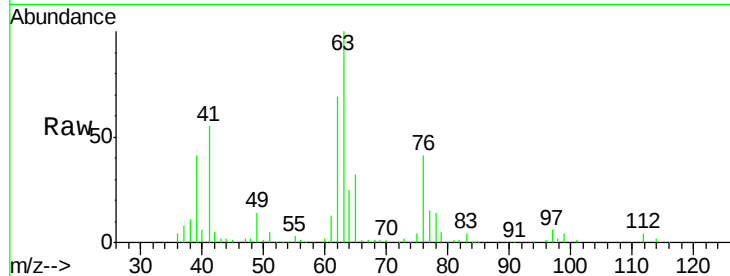
#45
 1,2-Dichloropropane
 Concen: 19.23 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

Tot Ion: 63 Resp: 153461
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.7 37.1

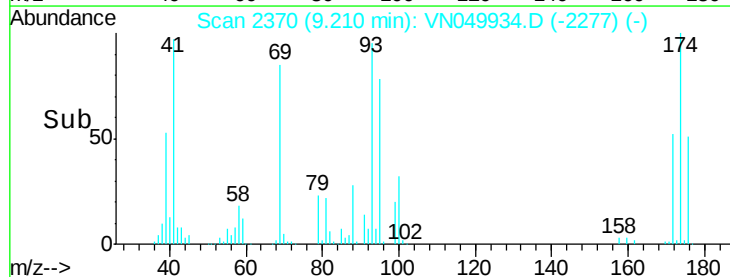
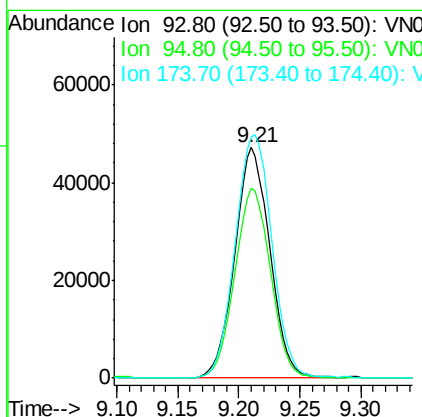
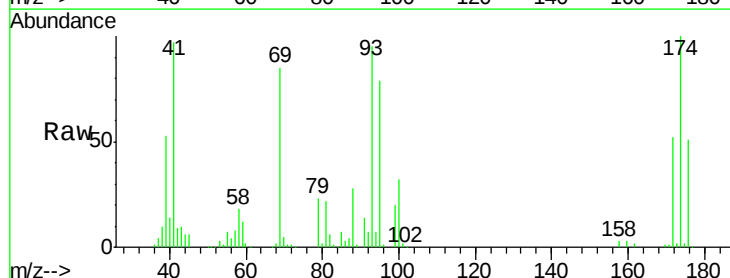
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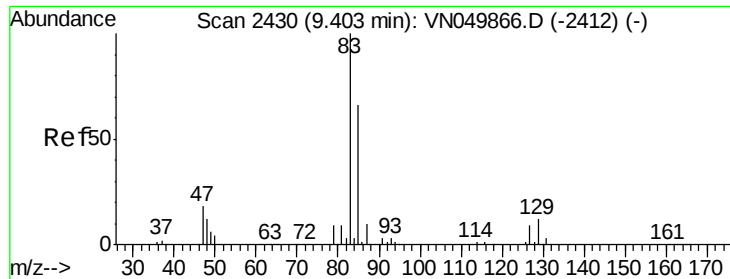
MMDadoda
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#46
 Dibromomethane
 Concen: 19.03 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion: 93 Resp: 94178
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.9 101.9
 174 110.4 89.4 134.0





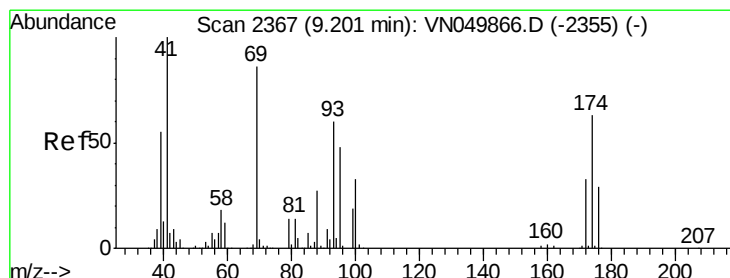
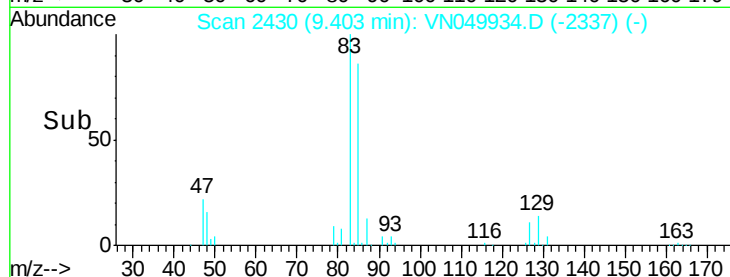
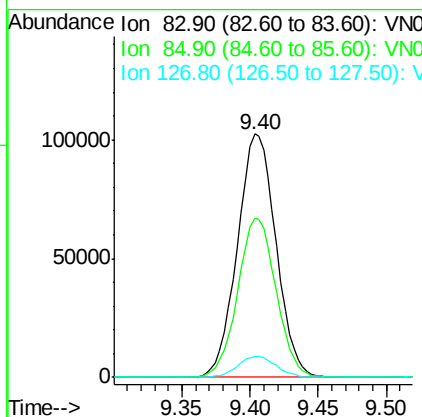
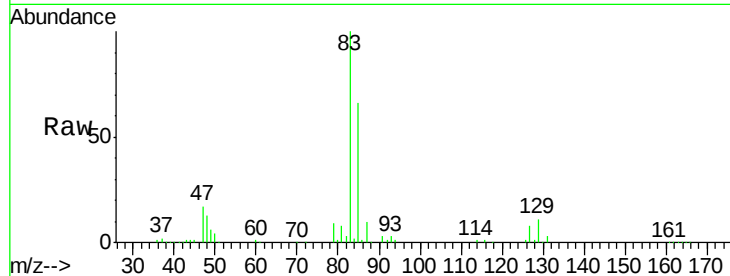
#47
Bromodichloromethane
Concen: 19.65 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	201105		
85	65.5		50.5	75.7
127	8.3		6.8	10.2

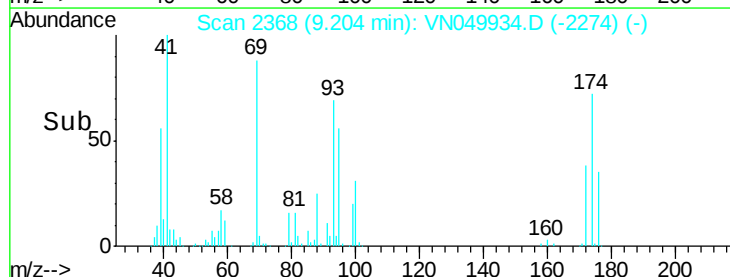
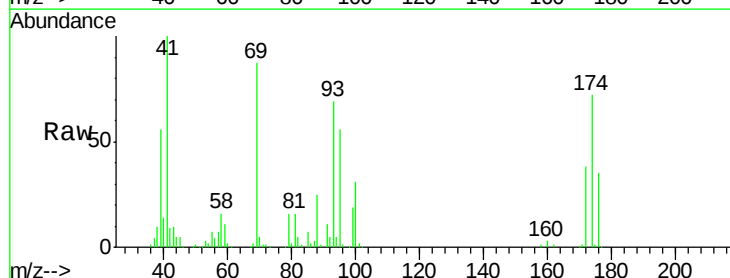
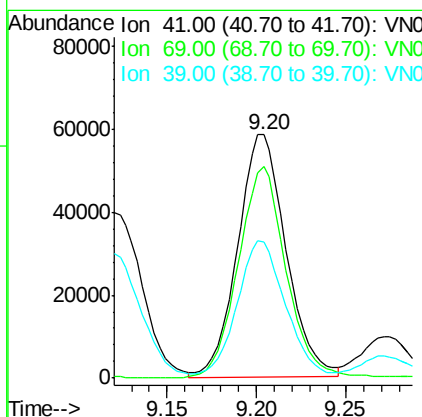
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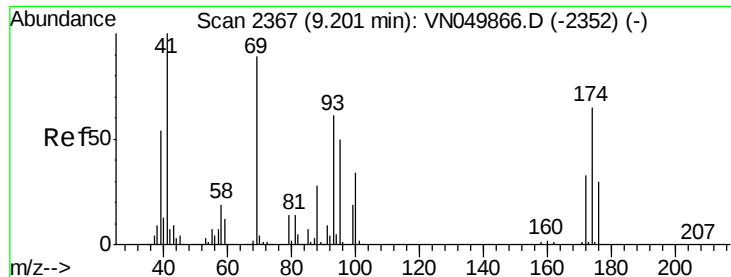
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#48
Methyl methacrylate
Concen: 19.01 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	111025		
69	87.0		71.5	107.3
39	56.4		44.7	67.1





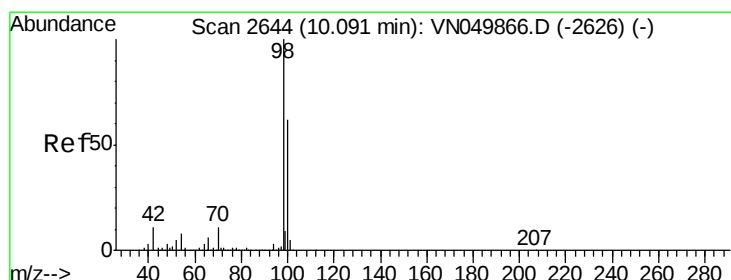
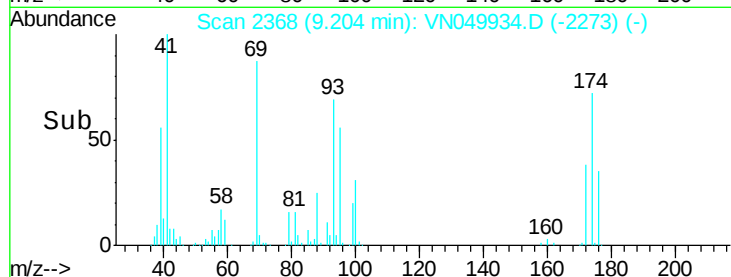
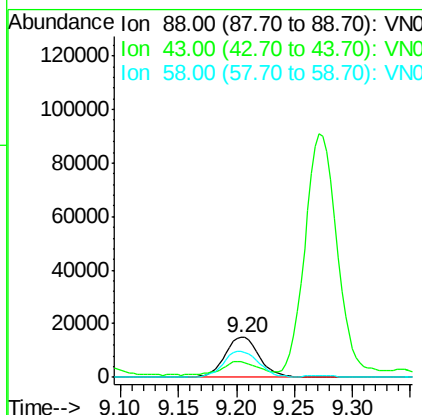
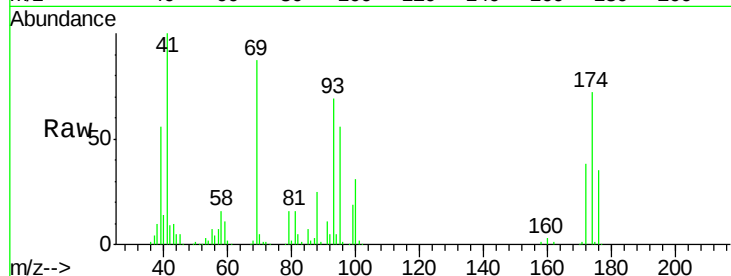
#49
1,4-Dioxane
Concen: 372.39 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion	88	Resp	30854
Ion	Ratio	Lower	Upper
88	100		
43	35.0	25.1	37.7
58	67.1	52.5	78.7

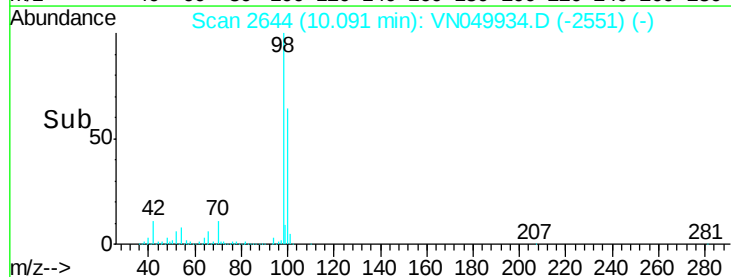
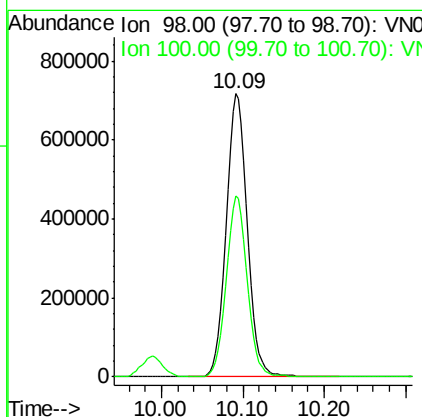
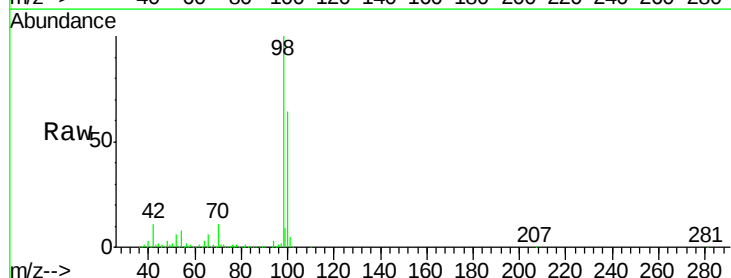
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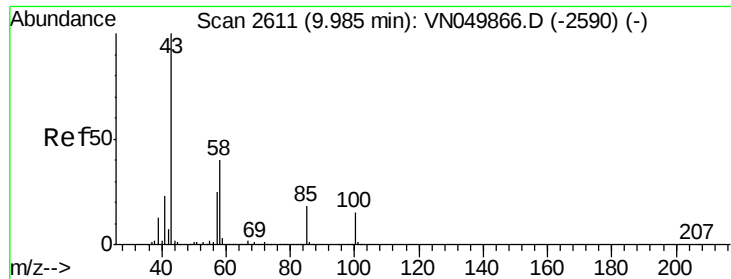
MMDadoda
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#50
Toluene-d8
Concen: 49.23 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion	98	Resp	1314295
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 99.70 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

Tot Ion: 43 Resp: 648890

Ion Ratio Lower Upper

43 100

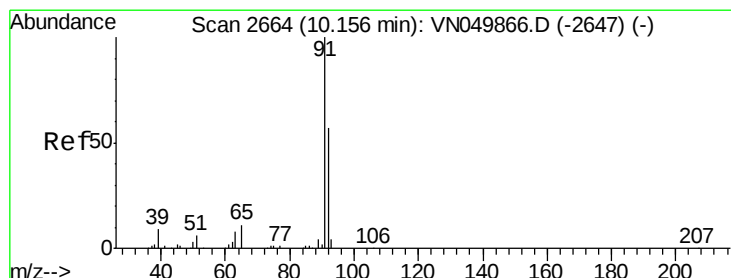
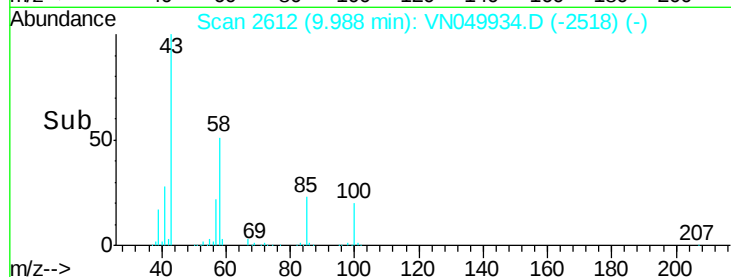
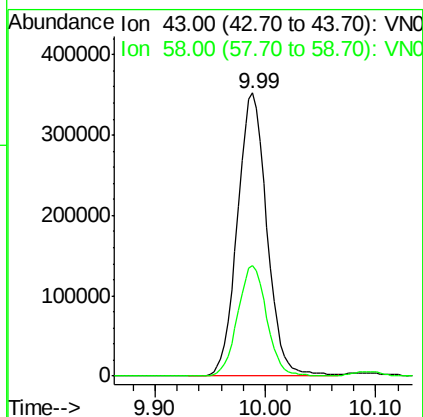
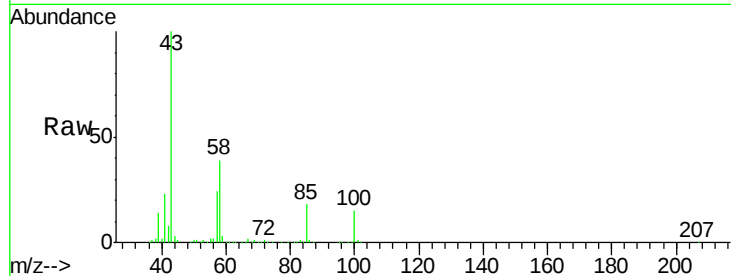
58 38.9 31.8 47.8

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#52

Toluene

Concen: 19.84 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049934.D

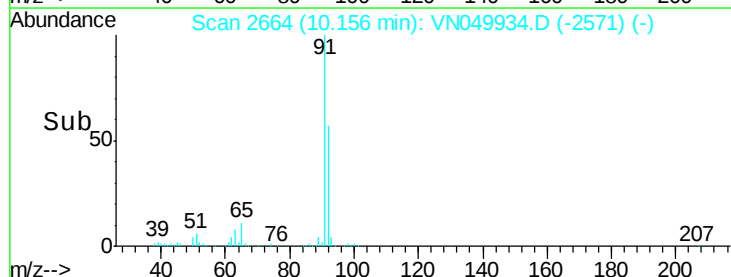
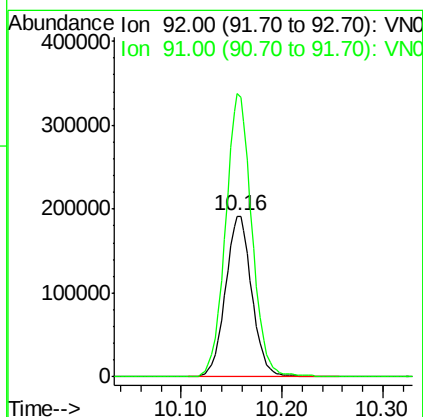
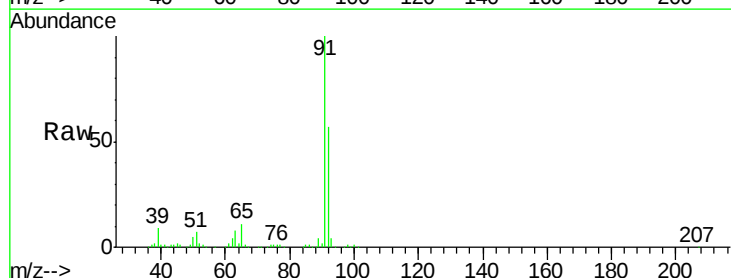
Acq: 19 Jul 2018 23:46

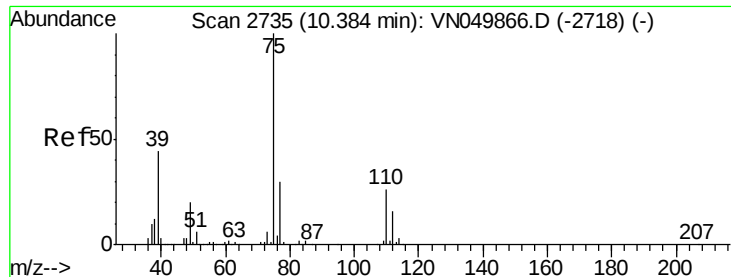
Tgt Ion: 92 Resp: 350093

Ion Ratio Lower Upper

92 100

91 175.1 140.1 210.1





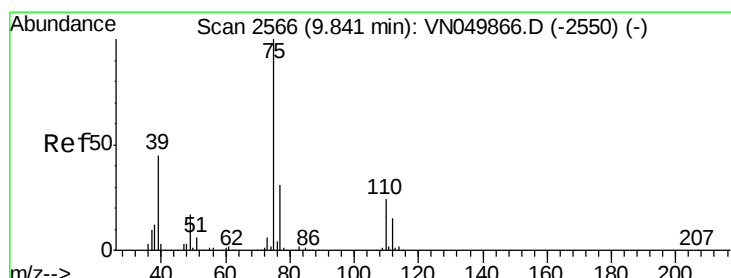
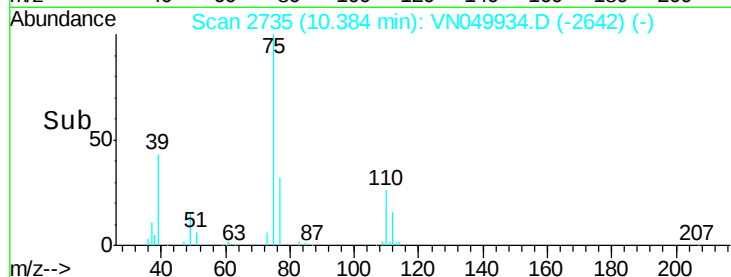
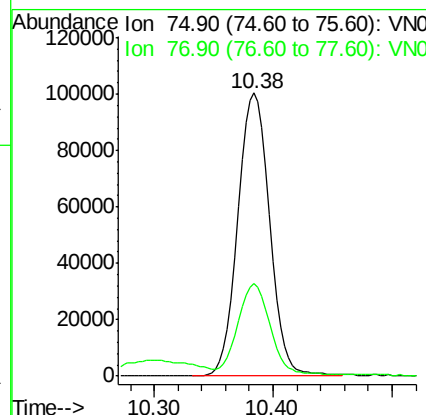
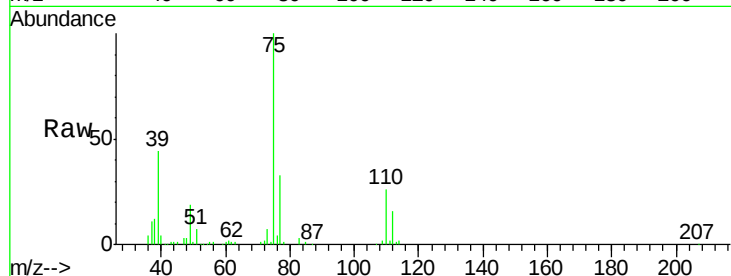
#53
t-1,3-Dichloropropene
Concen: 18.43 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampled :
VN0719WBSD02

Tot Ion: 75 Resp: 186550
Ion Ratio Lower Upper
75 100
77 32.2 25.2 37.8

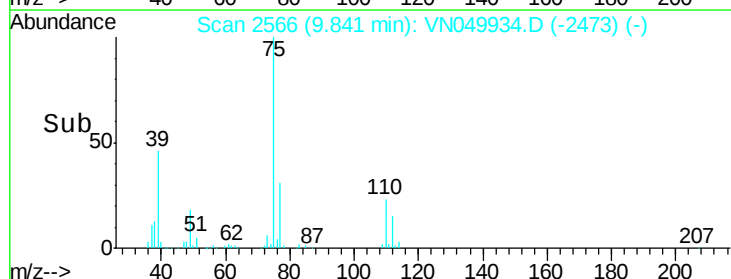
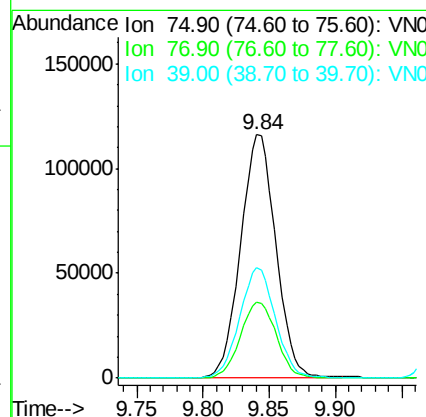
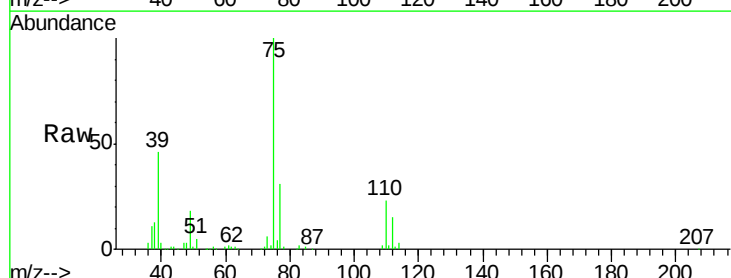
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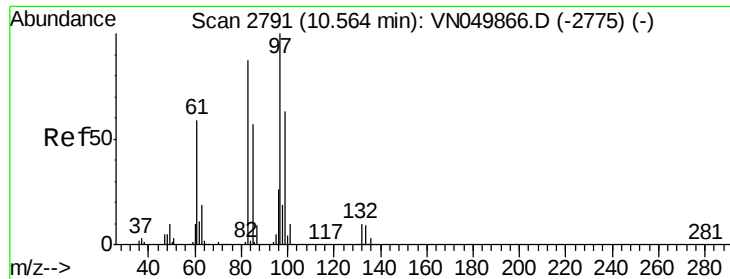
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#54
cis-1,3-Dichloropropene
Concen: 19.23 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 75 Resp: 215036
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9
39 45.5 35.5 53.3





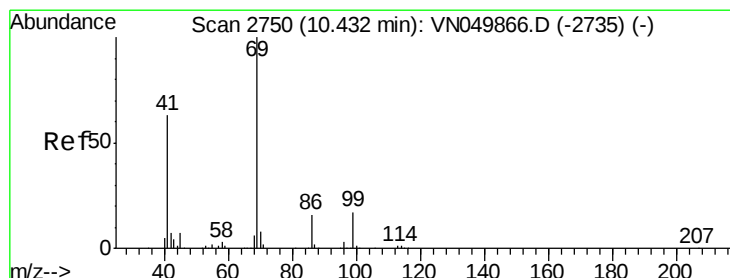
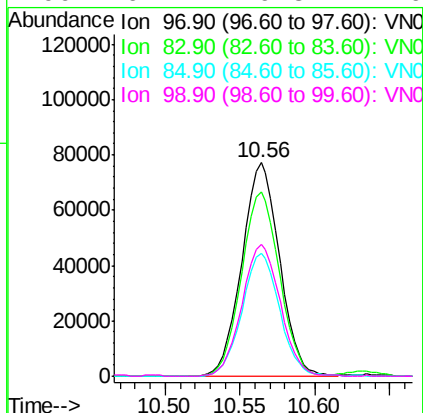
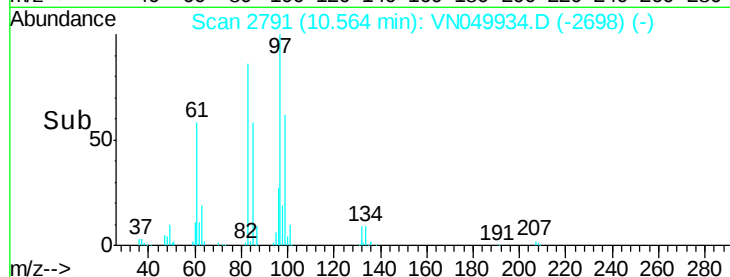
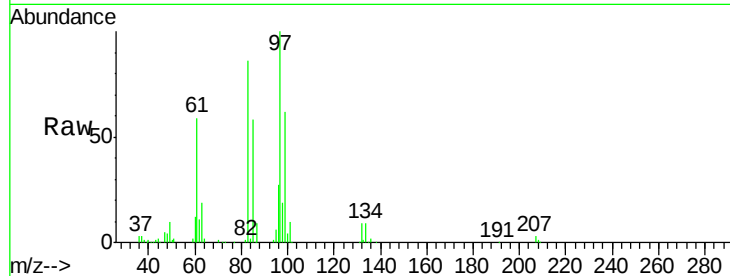
#55
 1,1,2-Trichloroethane
 Concen: 18.63 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

Tot Ion:	97	Resp:	135779
Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.0	103.6
85	57.7	44.9	67.3
99	61.4	49.8	74.6

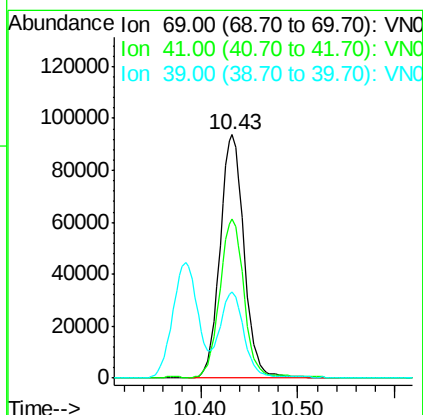
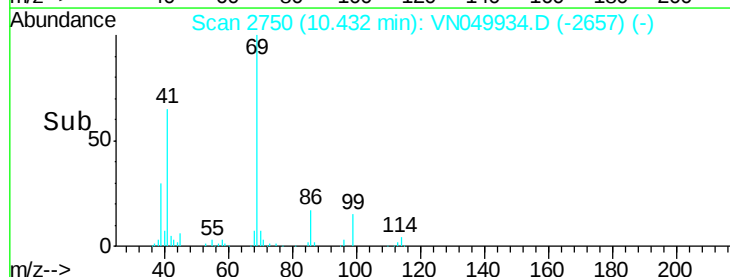
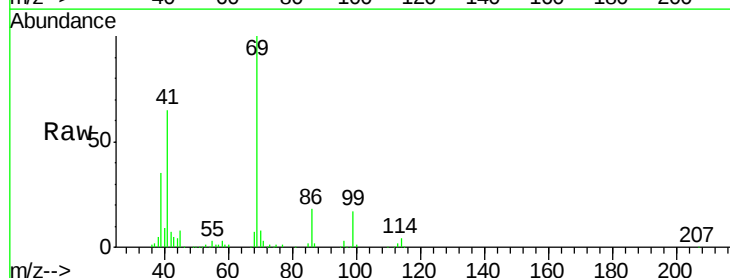
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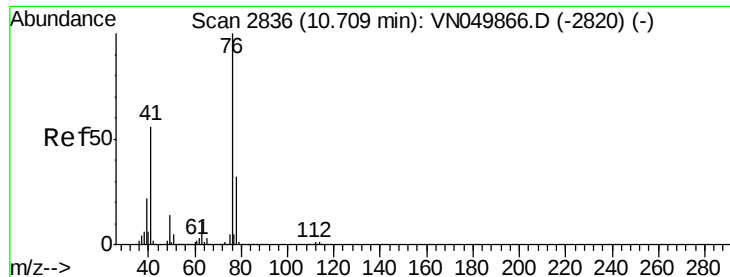
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#56
 Ethyl methacrylate
 Concen: 17.97 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion:	69	Resp:	161786
Ion	Ratio	Lower	Upper
69	100		
41	65.2	51.6	77.4
39	34.8	25.8	38.8





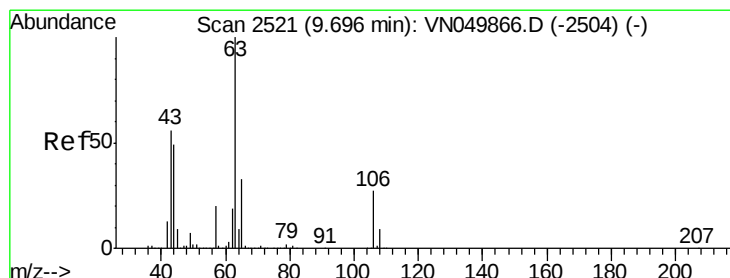
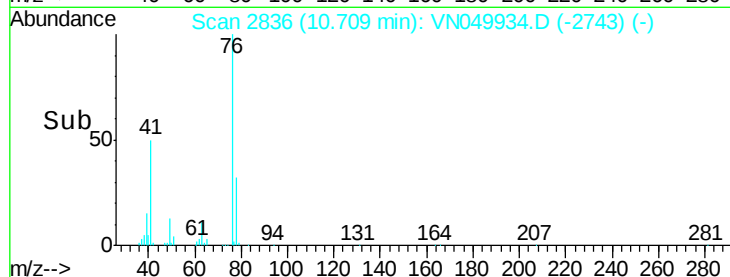
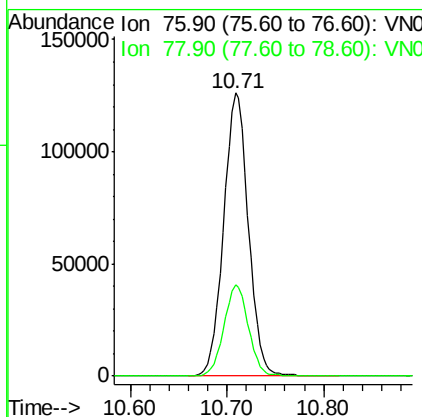
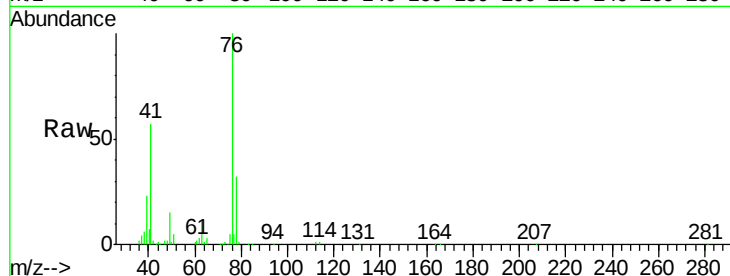
#57
 1,3-Dichloropropane
 Concen: 19.47 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

Tot Ion: 76 Resp: 223544
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

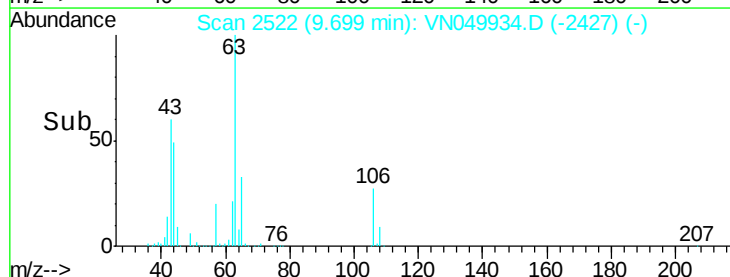
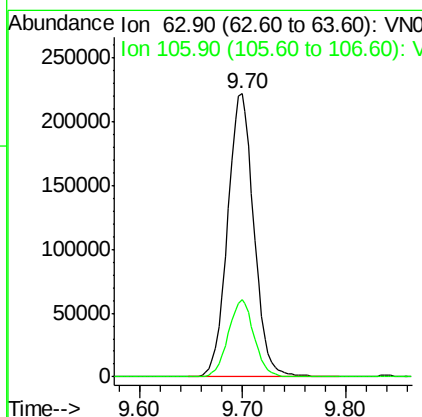
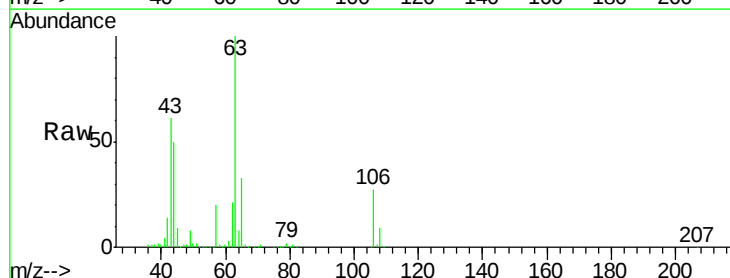
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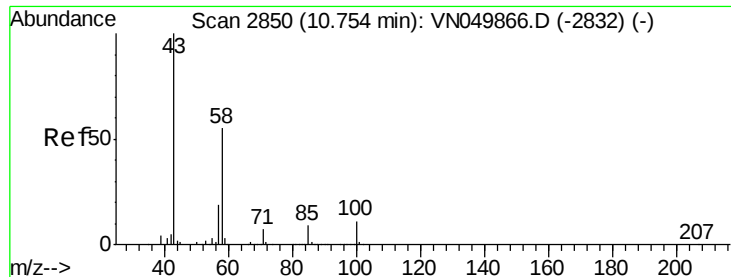
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 92.23 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion: 63 Resp: 394898
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.8 32.8





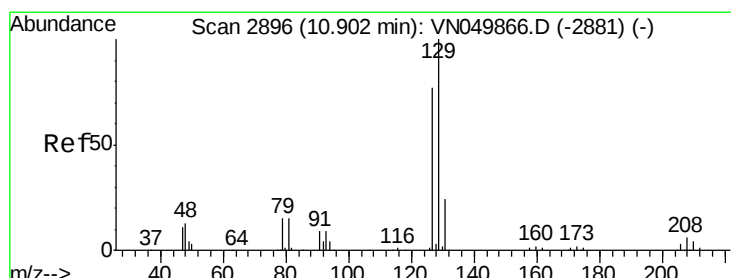
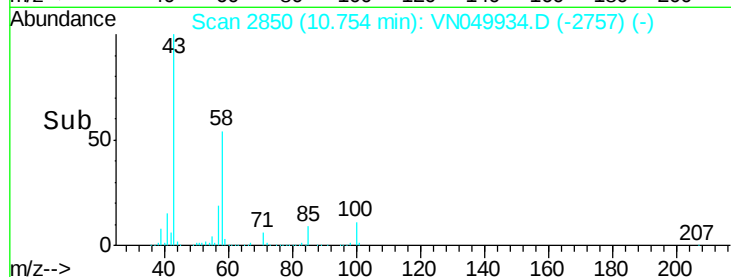
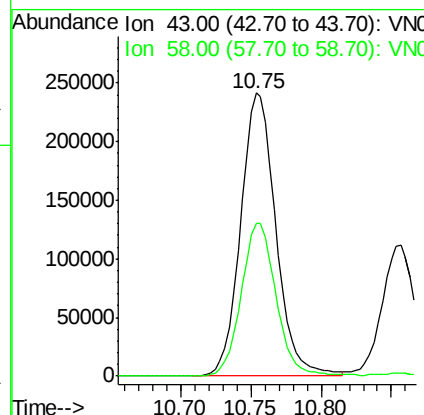
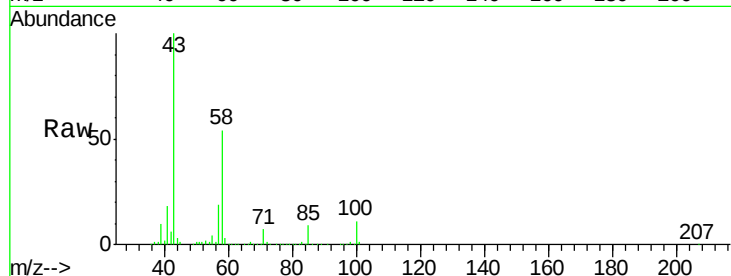
#59
2-Hexanone
Concen: 95.89 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion: 43 Resp: 419185
Ion Ratio Lower Upper
43 100
58 54.2 27.8 83.4

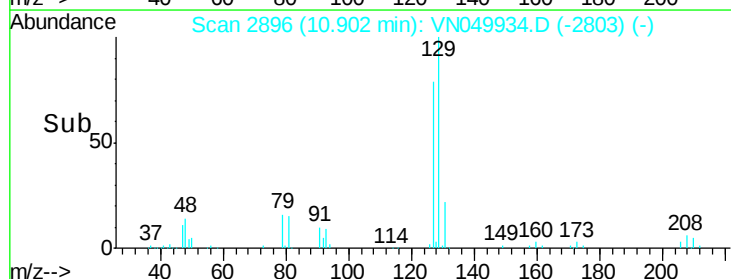
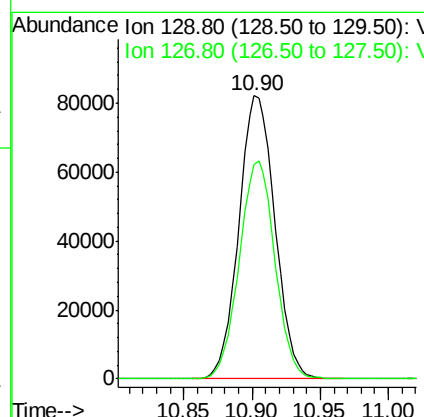
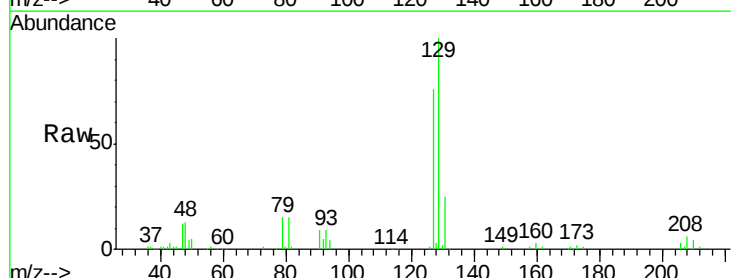
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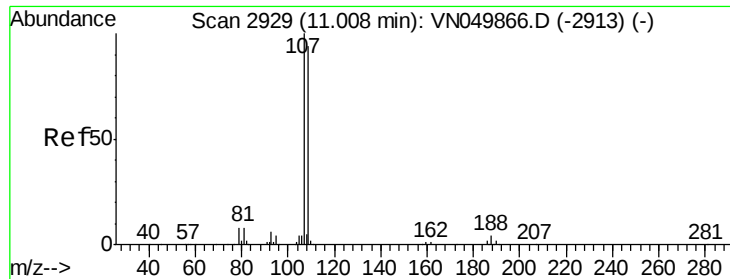
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#60
Dibromochloromethane
Concen: 18.90 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 129 Resp: 151063
Ion Ratio Lower Upper
129 100
127 75.9 38.3 114.9





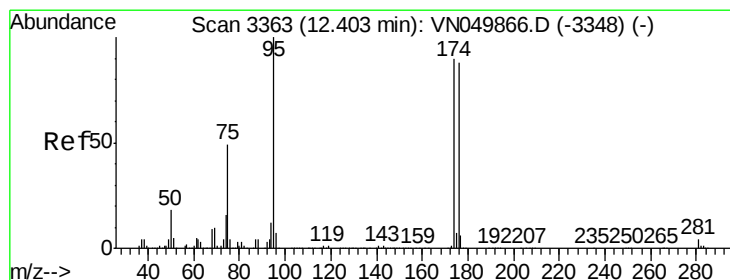
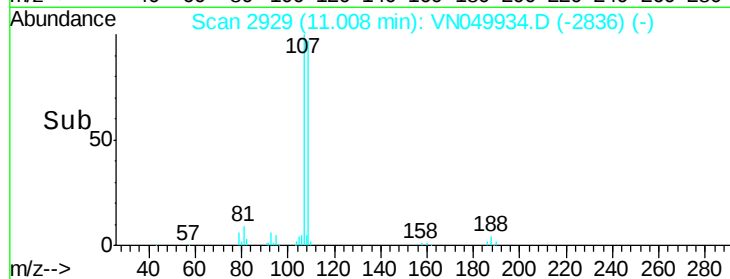
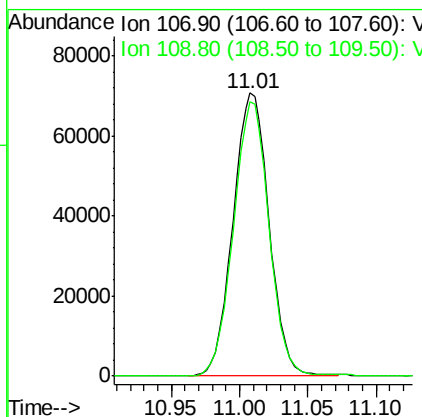
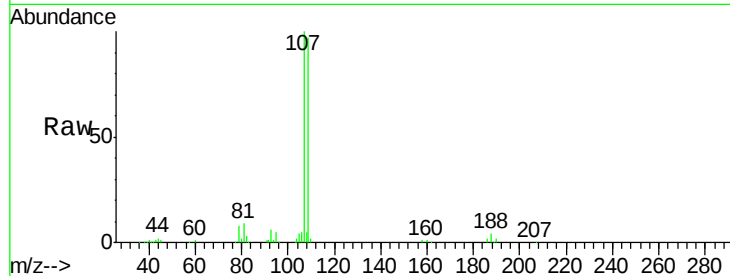
#61
 1,2-Dibromoethane
 Concen: 19.02 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.0	112.6

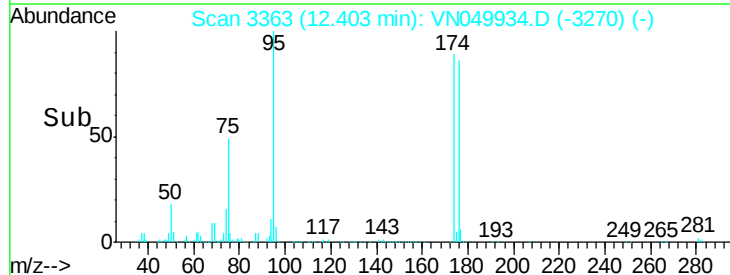
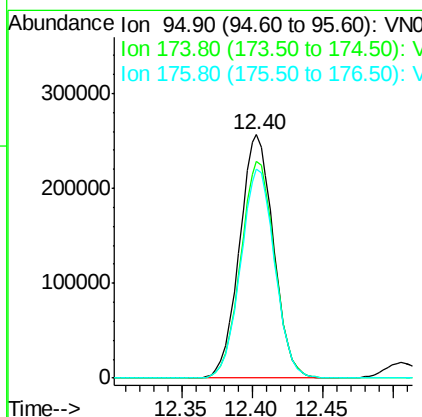
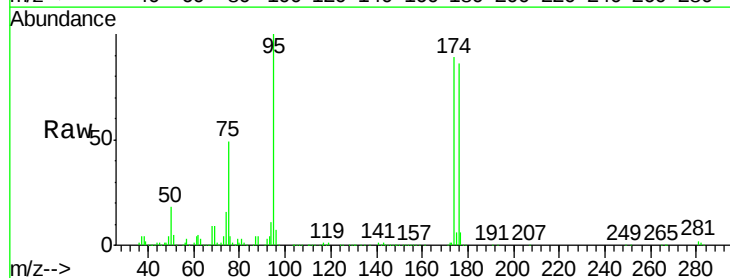
Manual Integrations
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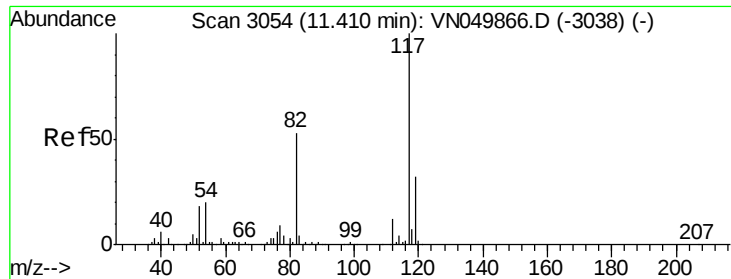
MMDadoda
 7/20/2018 11:08:08 AM



#62
 4-Bromofluorobenzene
 Concen: 46.97 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	179.6
176	86.2	0.0	174.0





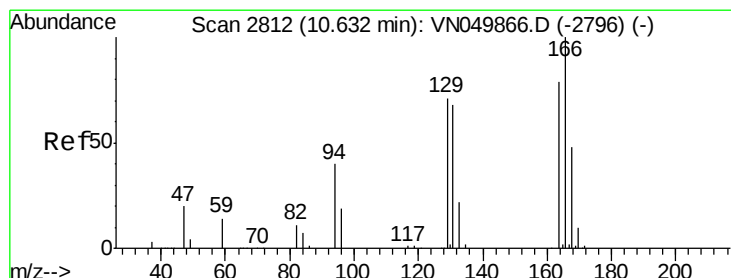
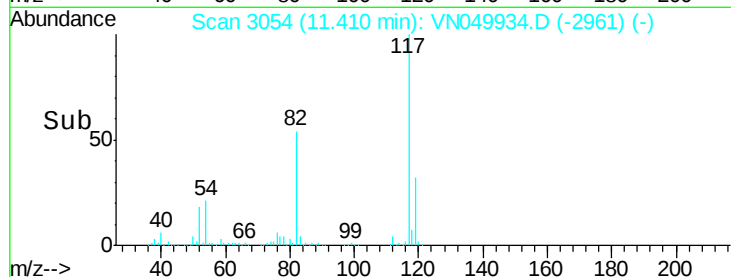
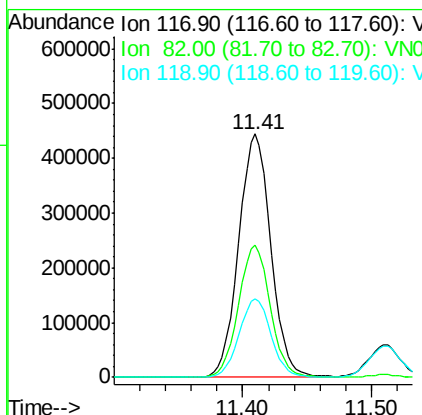
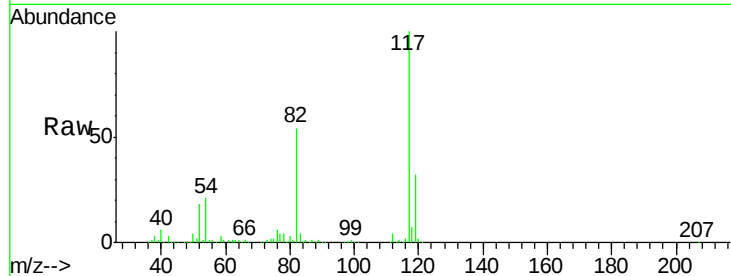
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	41.9	62.9
119	32.4	25.4	38.2

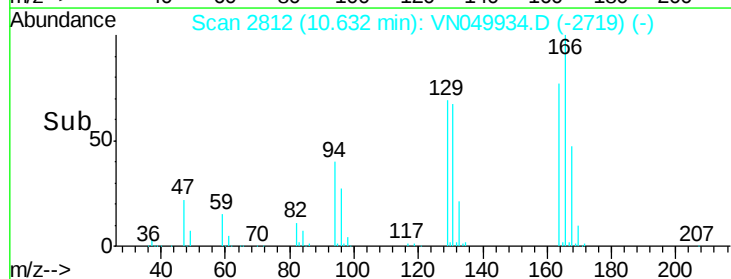
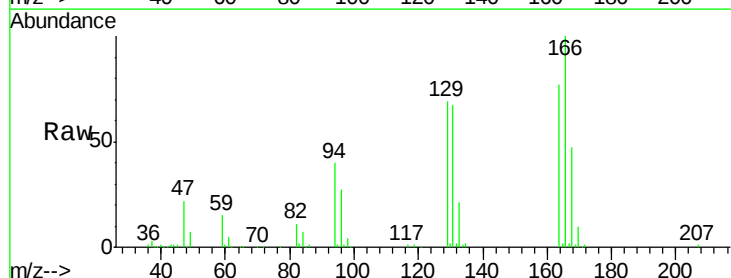
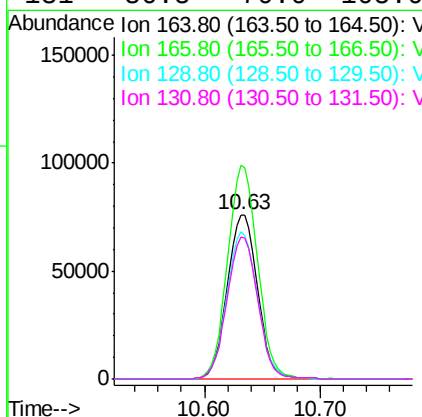
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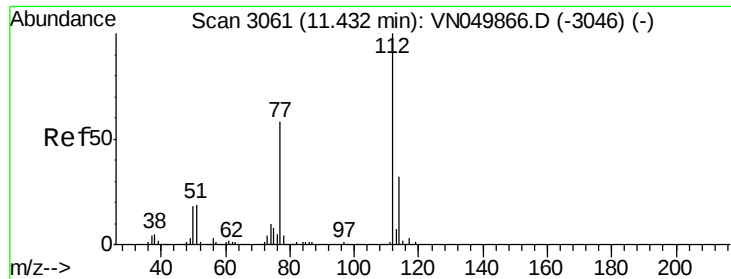
MMDadoda
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#64
Tetrachloroethene
Concen: 19.82 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.8	152.6
129	89.4	72.8	109.2
131	86.5	70.0	105.0





#65

Chlorobenzene

Concen: 19.49 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

Tot Ion:112 Resp: 377822

Ion Ratio Lower Upper

112 100

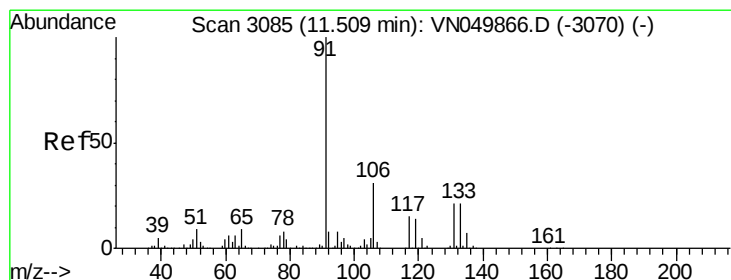
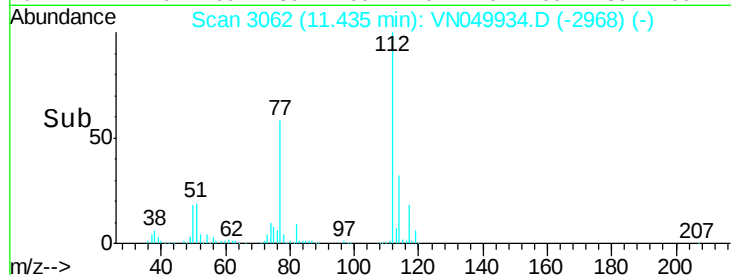
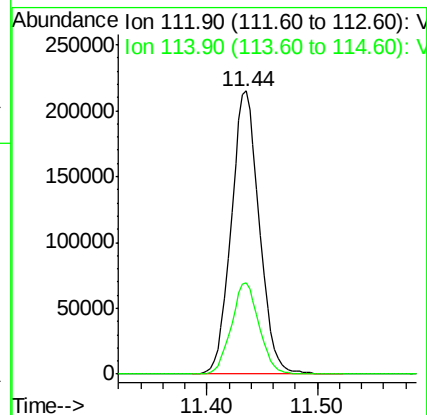
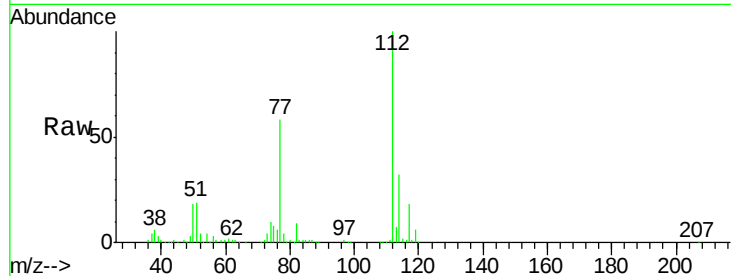
114 32.2 25.4 38.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.54 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

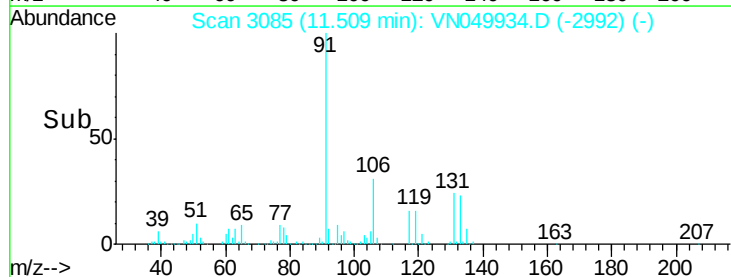
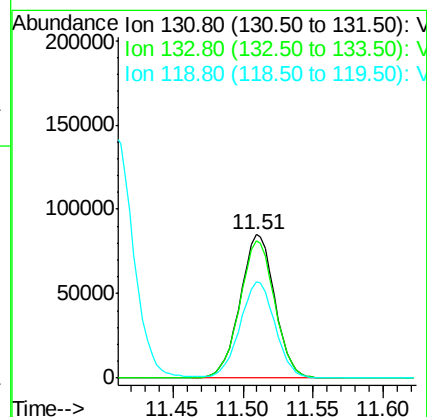
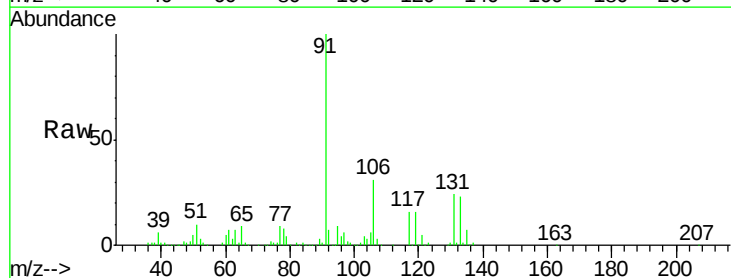
Tgt Ion:131 Resp: 146734

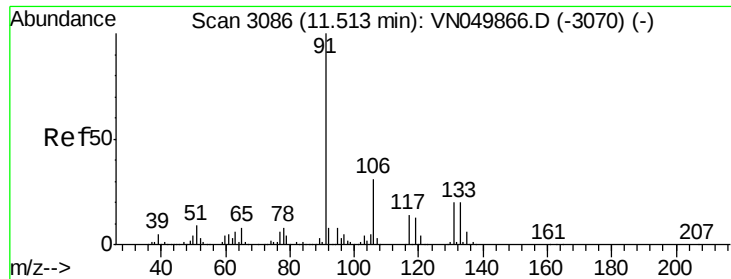
Ion Ratio Lower Upper

131 100

133 96.5 47.5 142.6

119 67.7 33.1 99.3





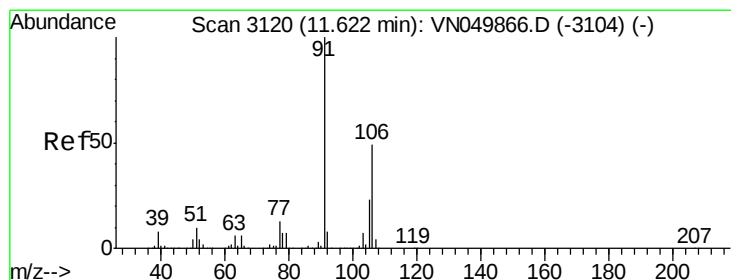
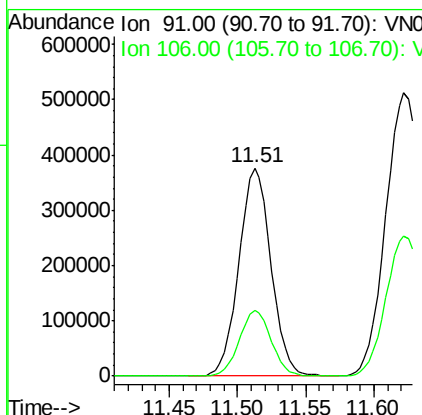
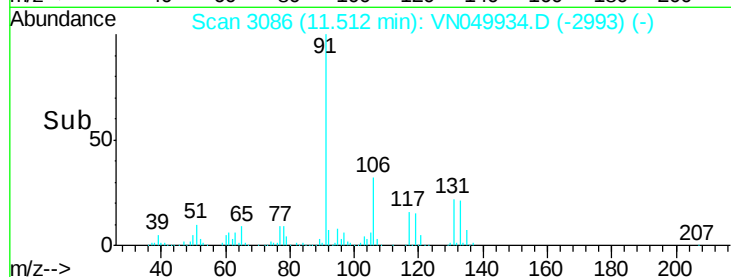
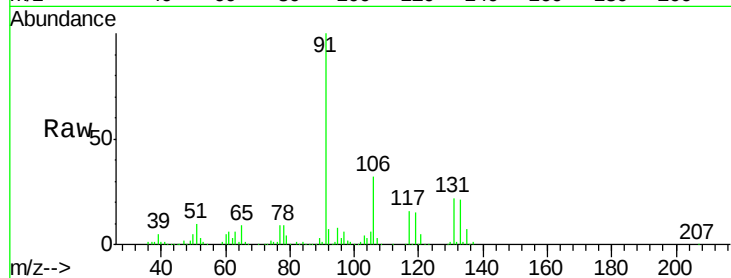
#67
Ethyl Benzene
Concen: 19.52 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion: 91 Resp: 613915
Ion Ratio Lower Upper
91 100
106 31.7 24.8 37.2

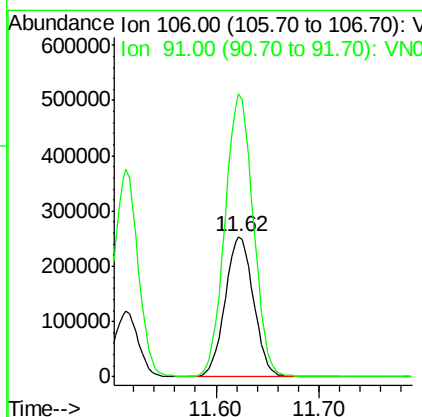
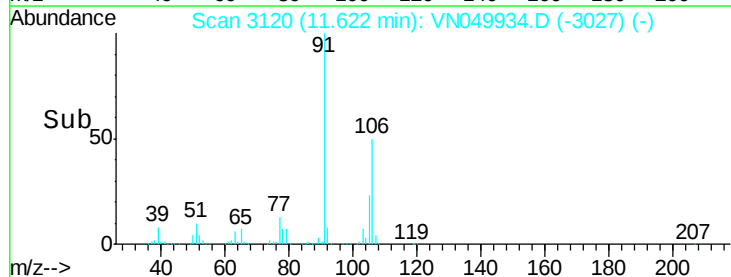
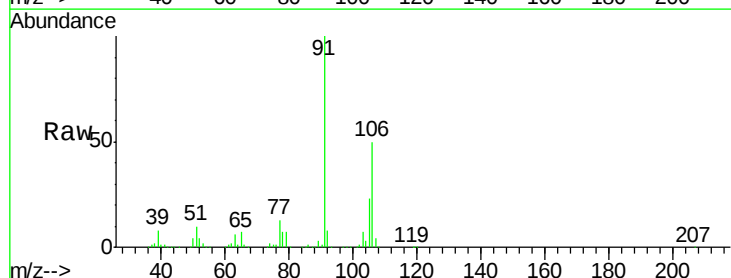
Manual Integrations
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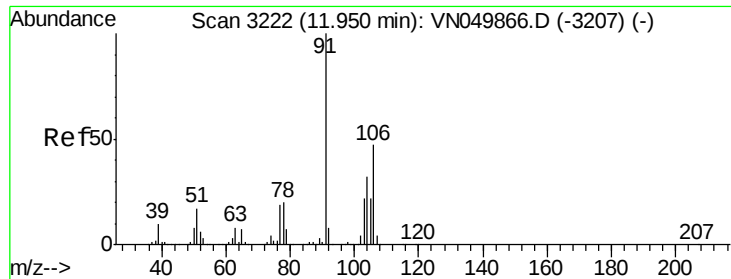
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#68
m/p-Xylenes
Concen: 40.82 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 106 Resp: 485917
Ion Ratio Lower Upper
106 100
91 202.0 163.4 245.2





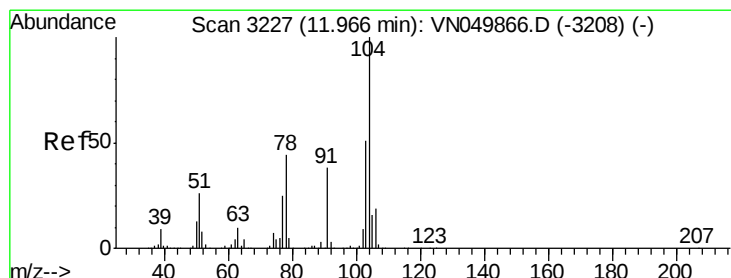
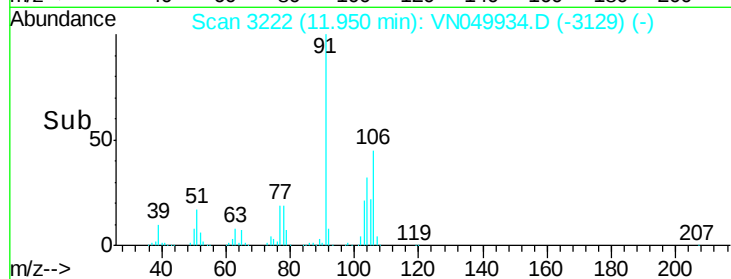
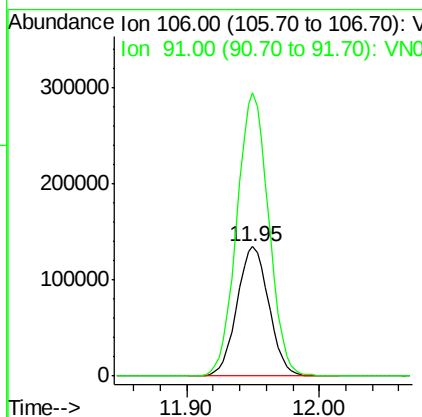
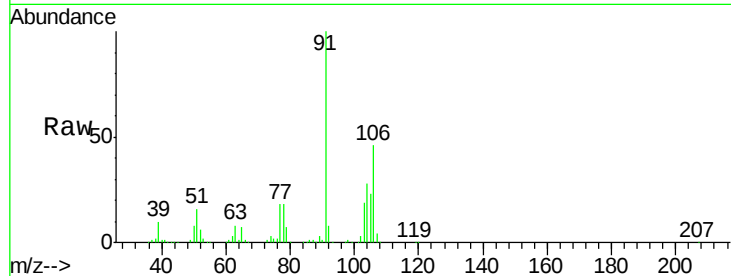
#69
o-Xylene
Concen: 19.71 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		225332		
91	218.7	108.7	326.1		

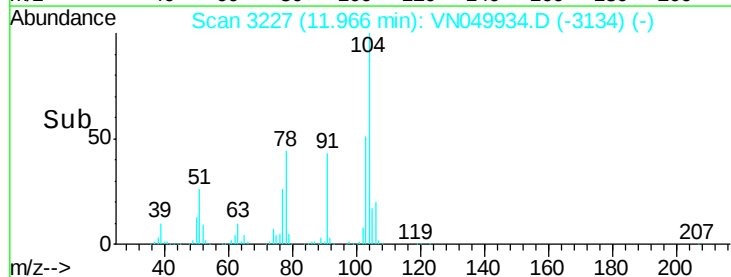
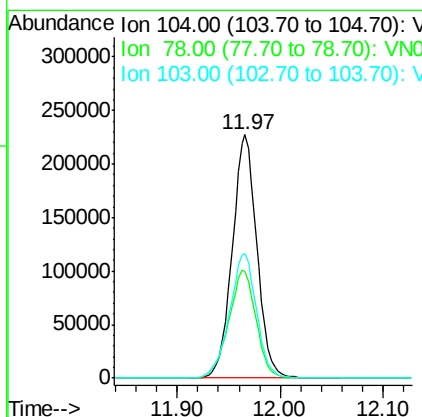
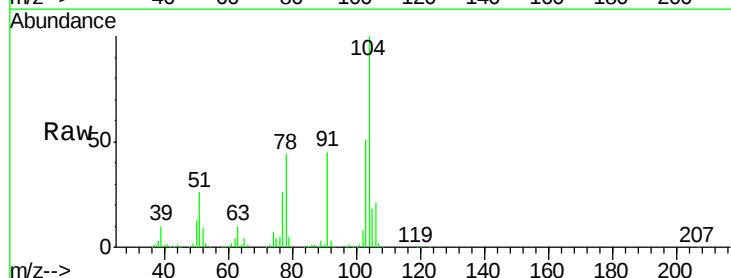
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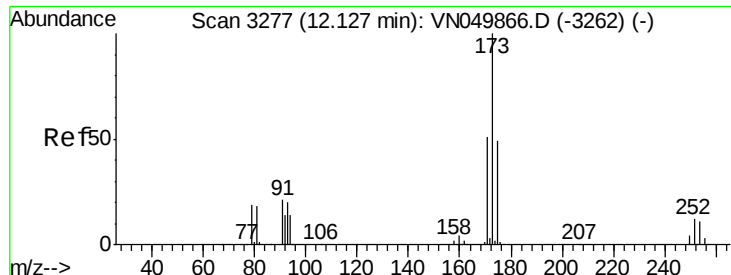
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#70
Styrene
Concen: 20.41 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		377906		
78	49.1	39.2	58.8		
103	56.2	44.6	67.0		





#71

Bromoform

Concen: 19.36 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

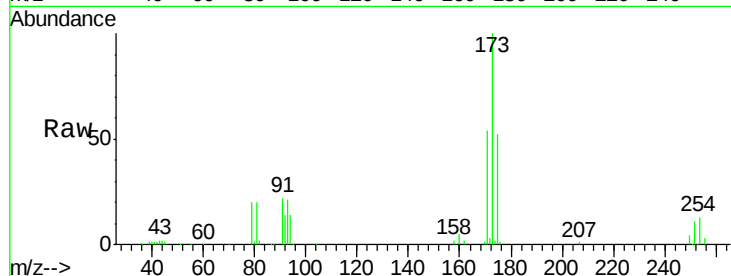
ClientSampleId :

VN0719WBSD02

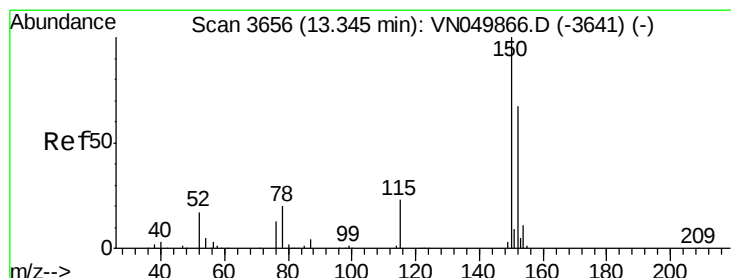
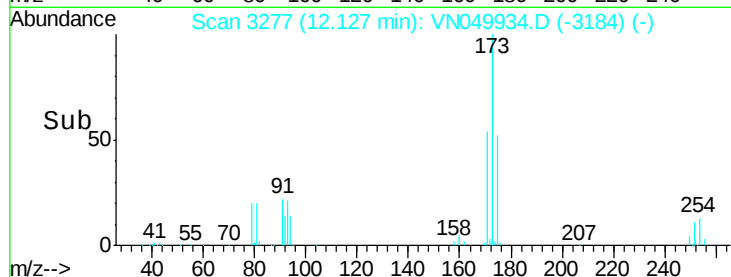
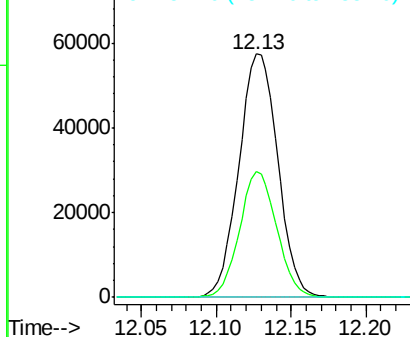
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.8
254	0.0	0.2	0.2

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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

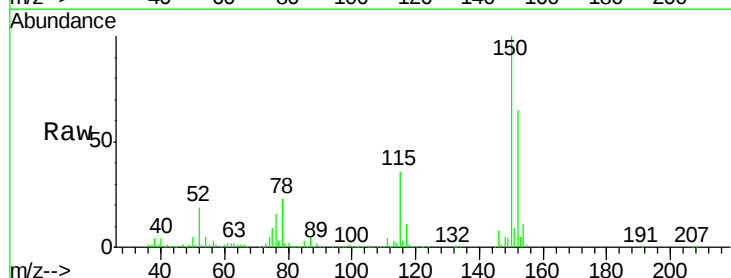
RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

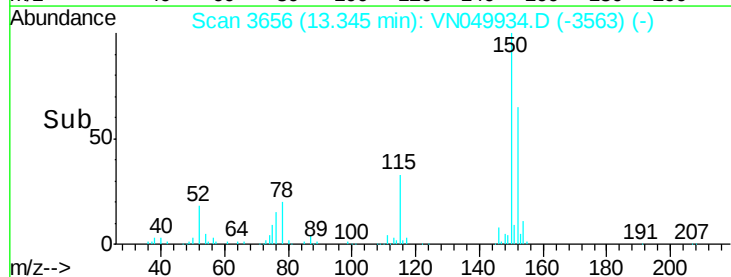
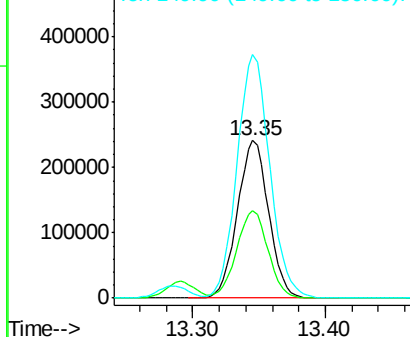
Lab File: VN049934.D

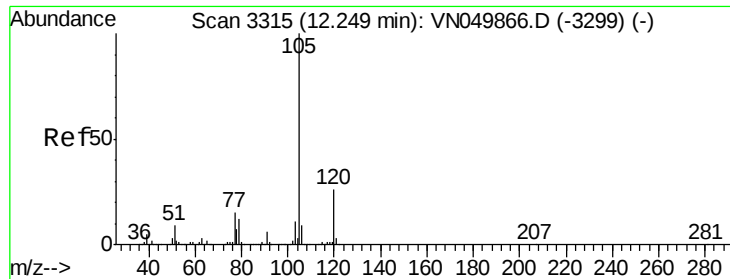
Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.1	84.2
150	162.7	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: 20.40 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

Tot Ion: 105 Resp: 609448

Ion Ratio Lower Upper

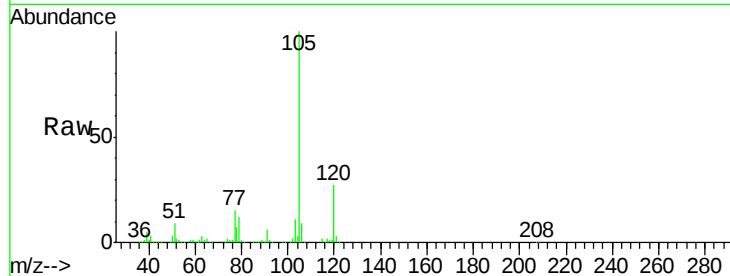
105 100

120 26.7 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

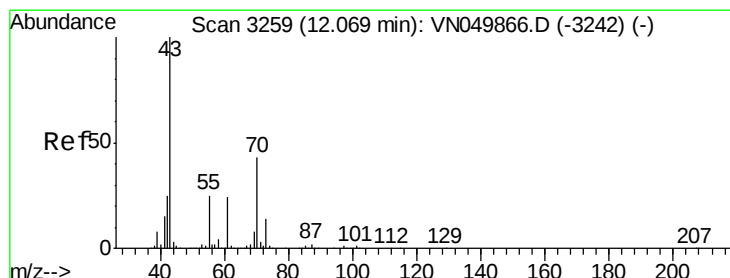
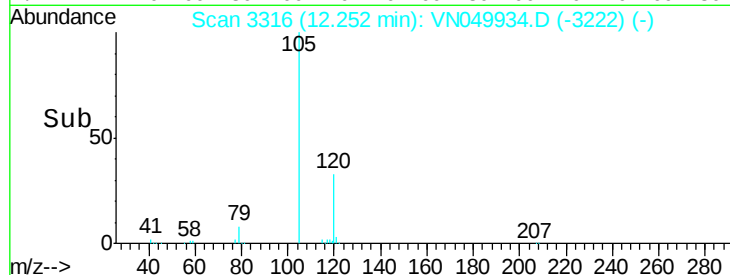
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.58 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Tgt Ion: 43 Resp: 178045

Ion Ratio Lower Upper

43 100

70 43.7 34.8 52.2

55 27.4 20.9 31.3

61 25.3 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

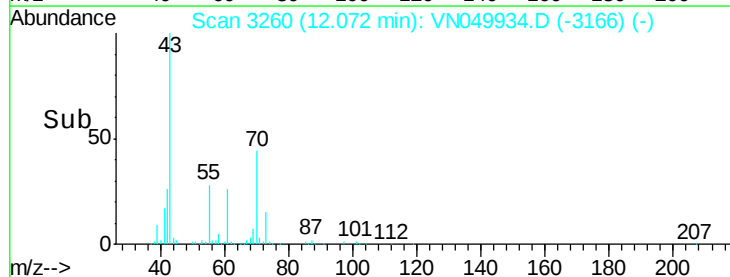
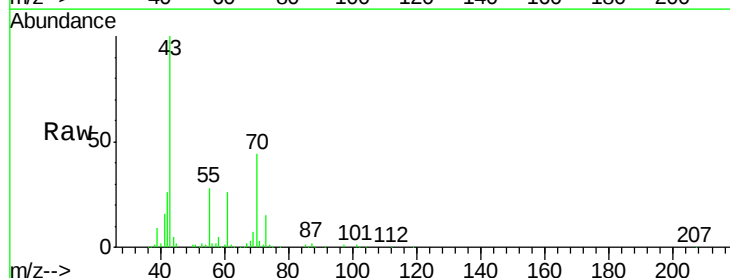
150000

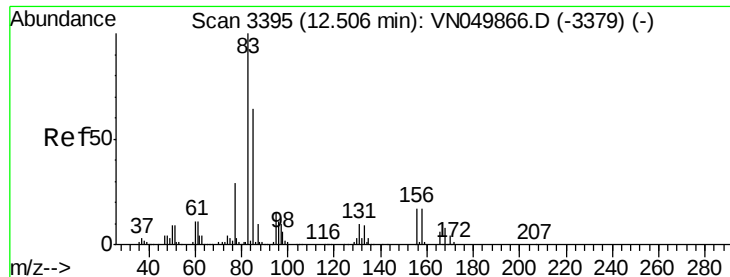
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 19.29 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

Tot Ion: 83 Resp: 172678

Ion Ratio Lower Upper

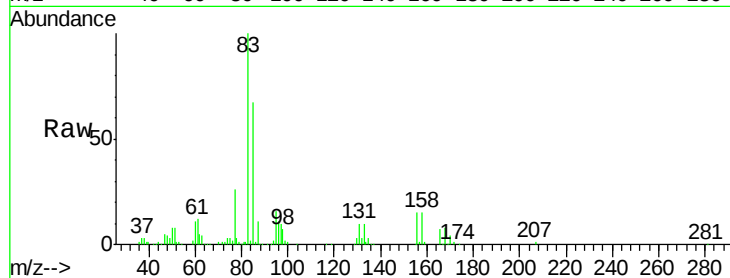
83 100

131 10.6 5.2 15.6

85 67.4 32.5 97.4

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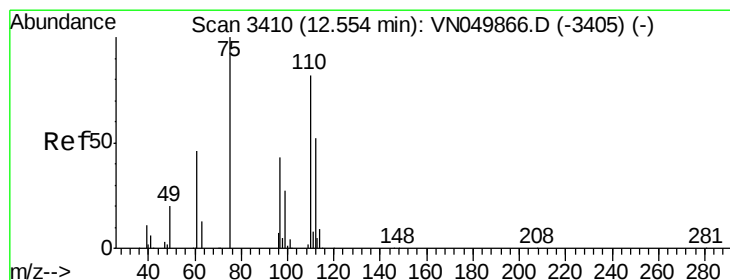
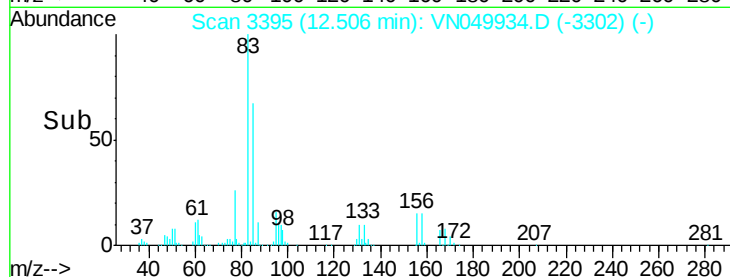
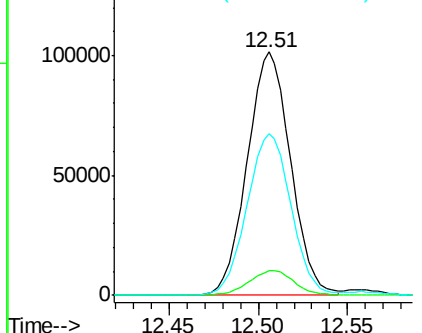
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN049934.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN049934.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN049934.D (-3302) (-)



#76

1,2,3-Trichloropropane

Concen: 18.74 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049934.D

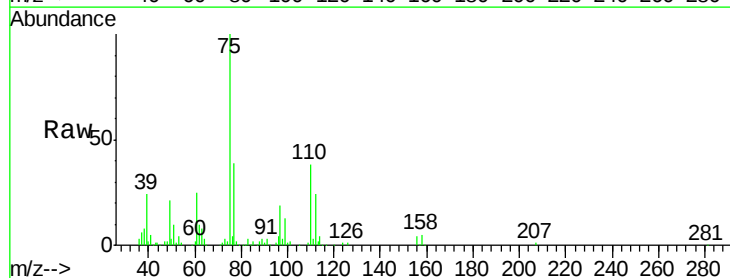
Acq: 19 Jul 2018 23:46

Tgt Ion: 75 Resp: 138243

Ion Ratio Lower Upper

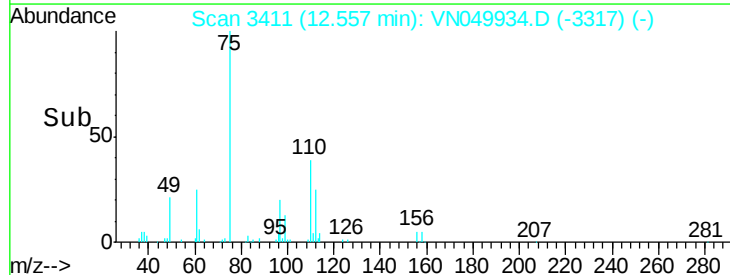
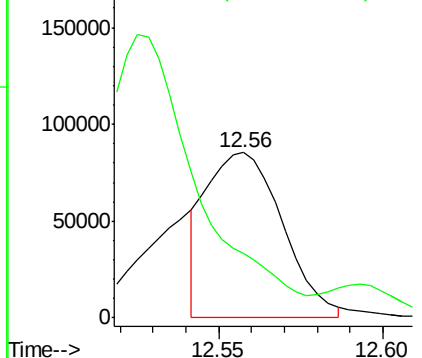
75 100

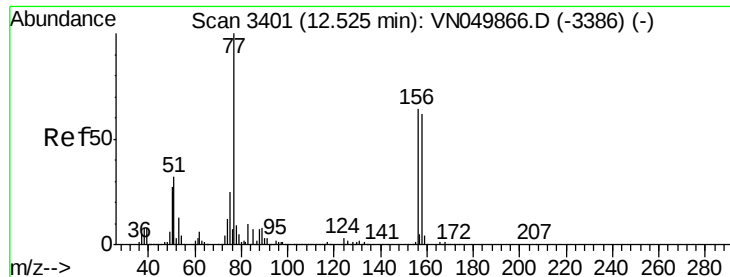
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049934.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049934.D (-3317) (-)





#77

Bromobenzene

Concen: 19.80 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

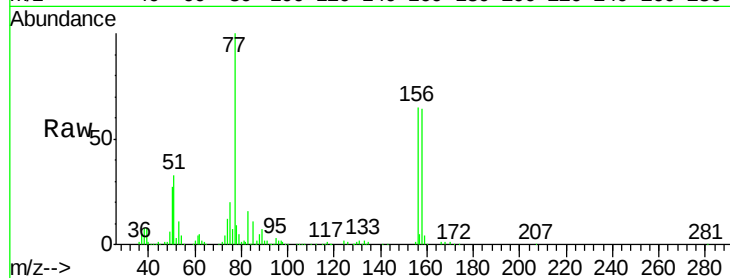
ClientSampleId :

VN0719WBSD02

Tot Ion:	156	Resp:	163334
Ion Ratio	Lower	Upper	
156	100		
77	184.0	90.2	270.6
158	98.4	49.1	147.3

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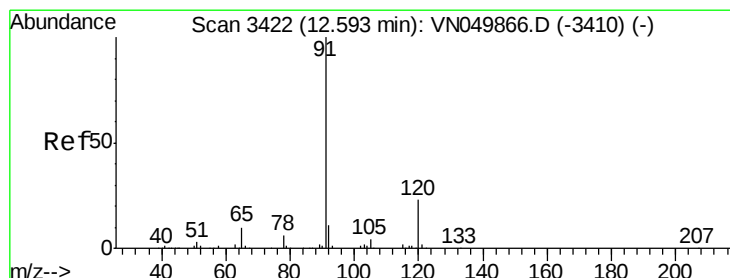
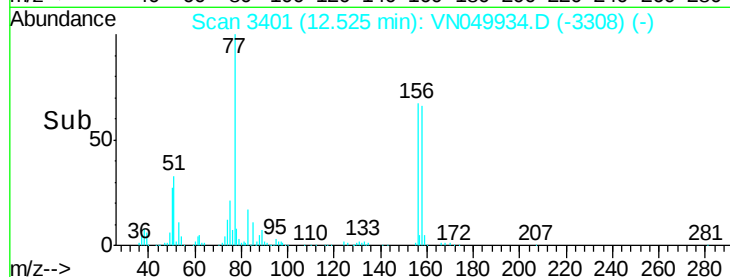
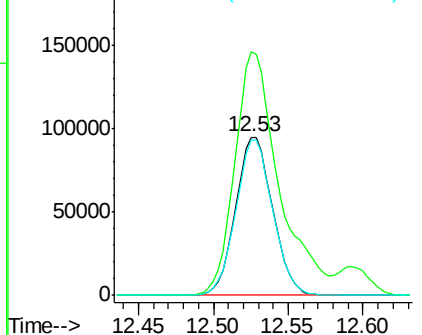
MMDadoda
7/20/2018 11:08:08 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.41 ug/l

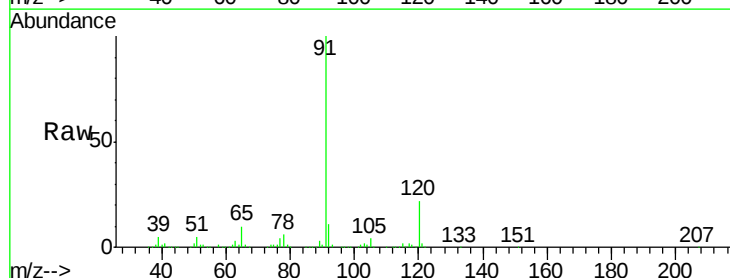
RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049934.D

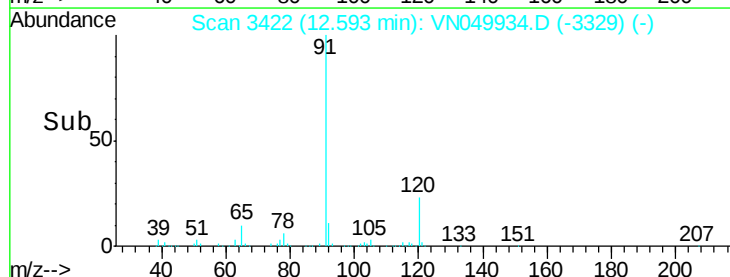
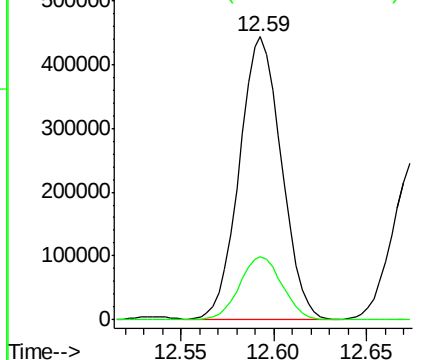
Acq: 19 Jul 2018 23:46

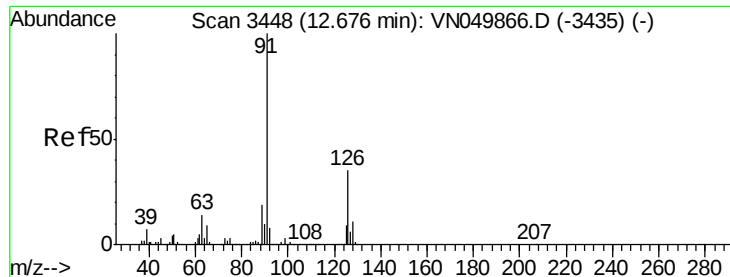
Tgt Ion:	91	Resp:	693335
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.56 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

Tot Ion: 91 Resp: 428882

Ion Ratio Lower Upper

91 100

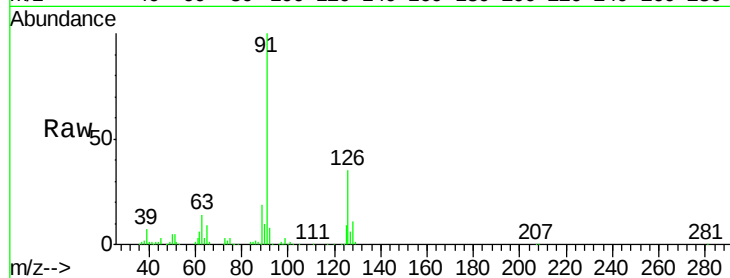
126 35.1 17.5 52.5

Manual Integrations

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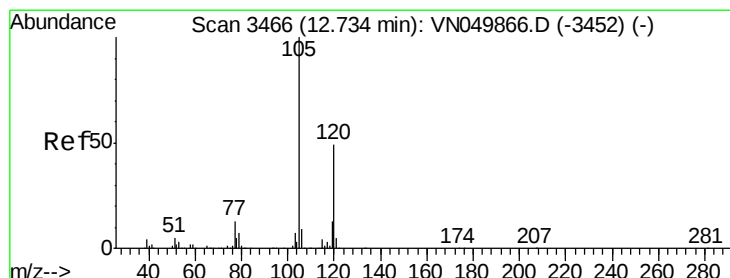
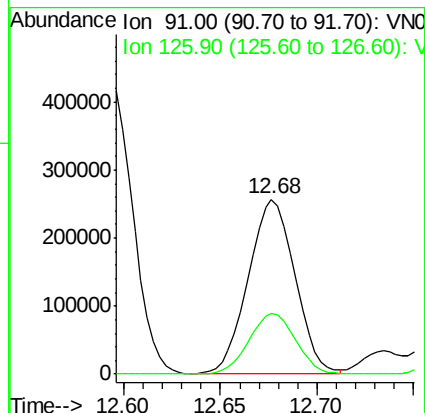
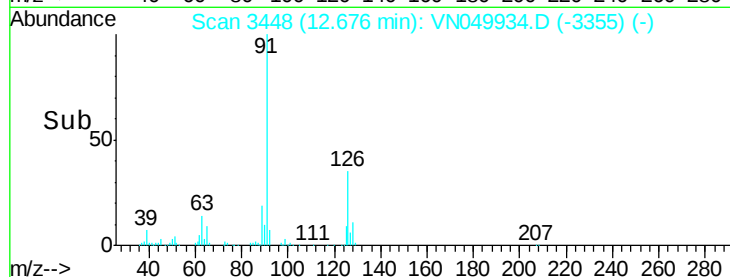
7/20/2018 11:08:08 AM



Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049866.D (-3435) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.93 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049934.D

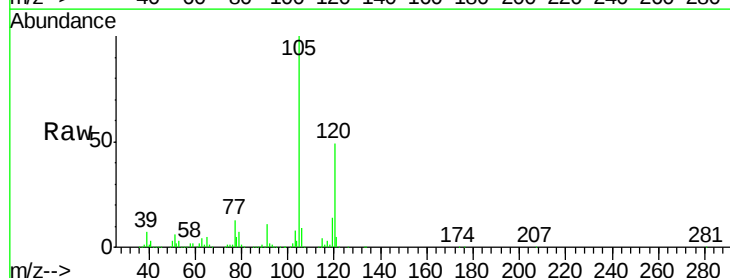
Acq: 19 Jul 2018 23:46

Tgt Ion: 105 Resp: 501174

Ion Ratio Lower Upper

105 100

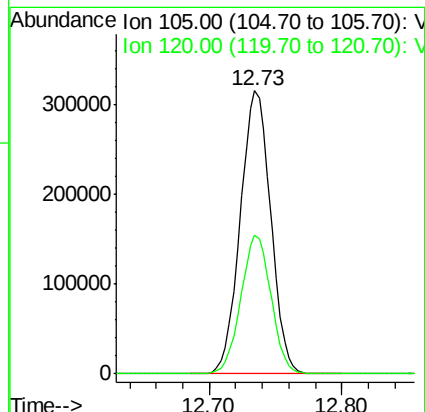
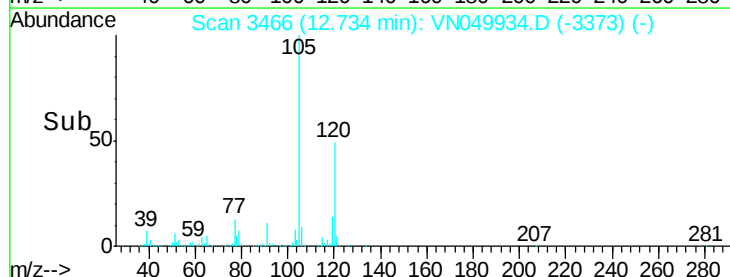
120 48.7 24.3 72.8

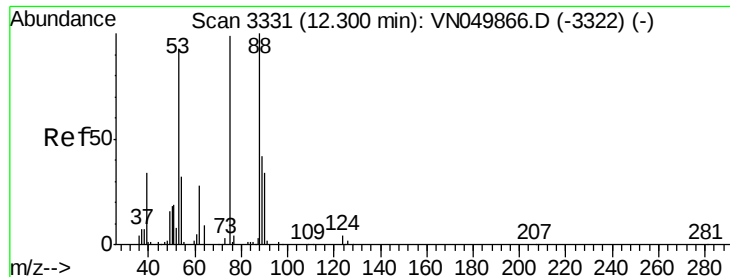


Abundance Ion 105.00 (104.70 to 105.70): VN049866.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN049866.D (-3452) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.20 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

Tot Ion: 75 Resp: 40586

Ion Ratio Lower Upper

75 100

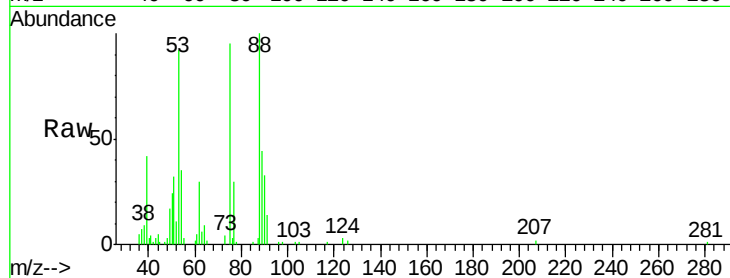
53 100.7 73.9 110.9

89 46.3 35.9 53.9

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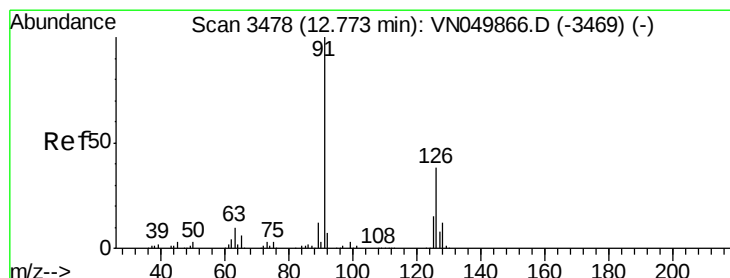
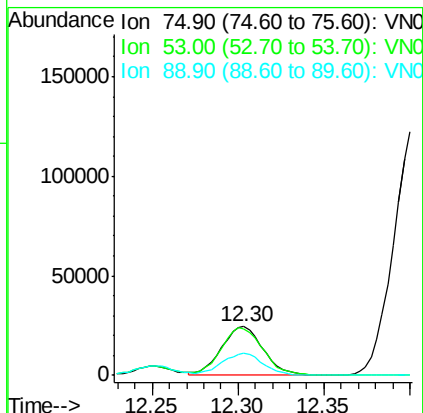
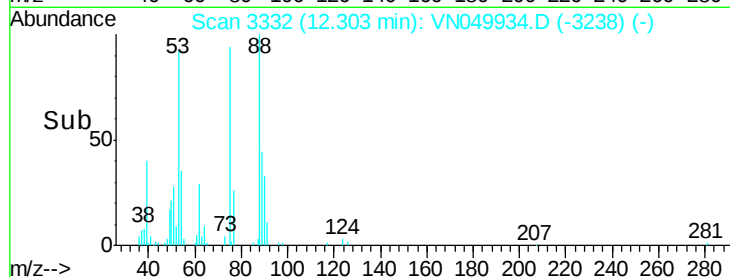


Abundance Ion 74.90 (74.60 to 75.60): VN049866.D (-3322) (-)

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

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

Time-->



#82

4-Chlorotoluene

Concen: 20.78 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN049934.D

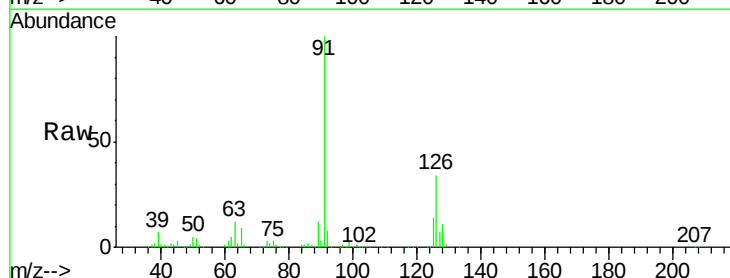
Acq: 19 Jul 2018 23:46

Tgt Ion: 91 Resp: 434734

Ion Ratio Lower Upper

91 100

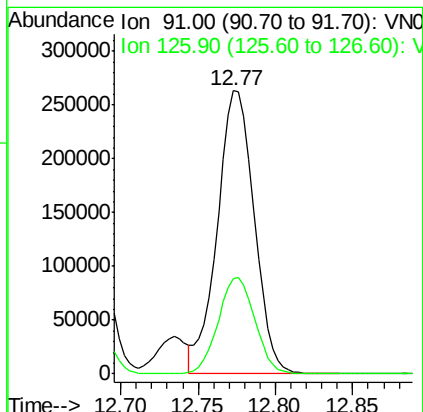
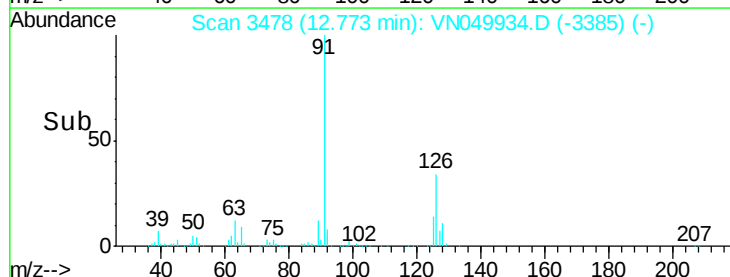
126 33.8 17.2 51.6

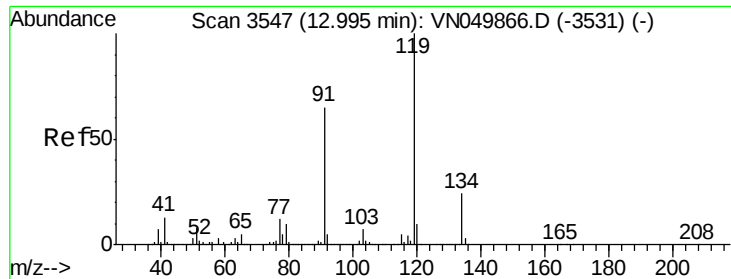


Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3469) (-)

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

Time-->





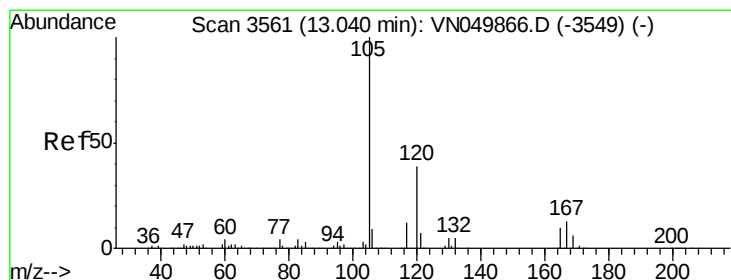
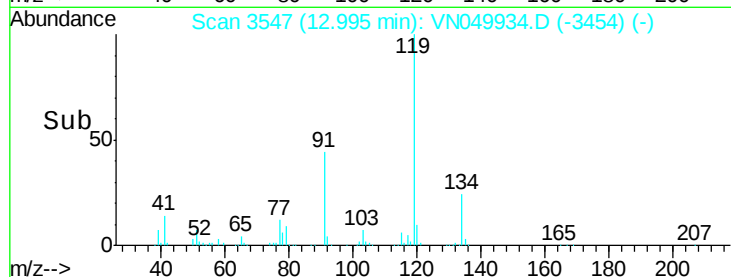
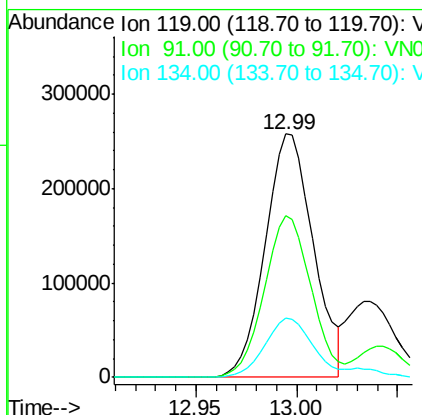
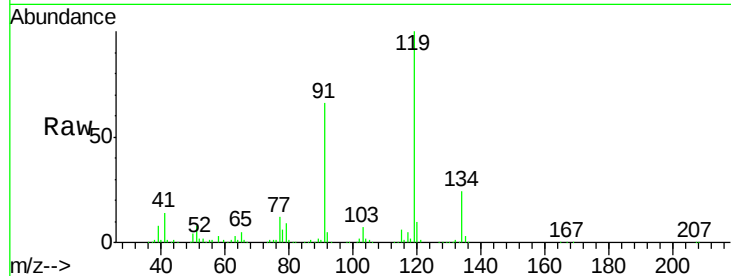
#83
 tert-Butylbenzene
 Concen: 20.35 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VN0719WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.0	96.2
134	24.2	12.8	38.4

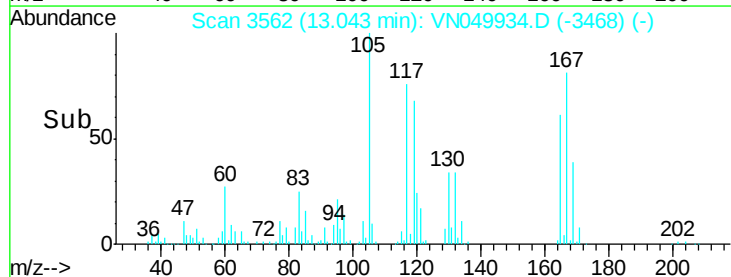
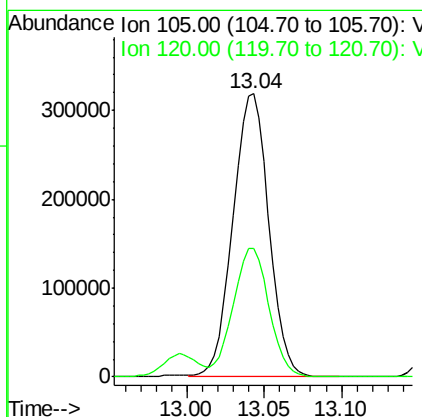
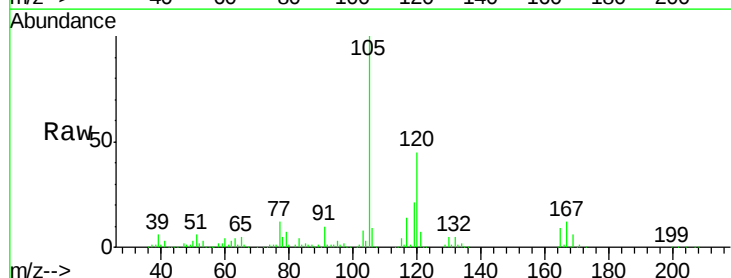
Manual Integrations
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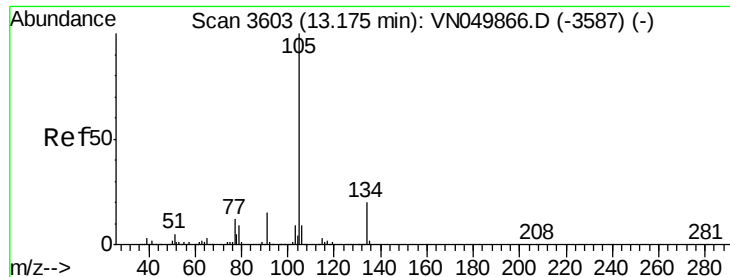
MMDadoda
 7/20/2018 11:08:08 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.12 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.7	68.1





#85

sec-Butylbenzene

Concen: 20.48 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

Tot Ion:105 Resp: 569059

Ion Ratio Lower Upper

105 100

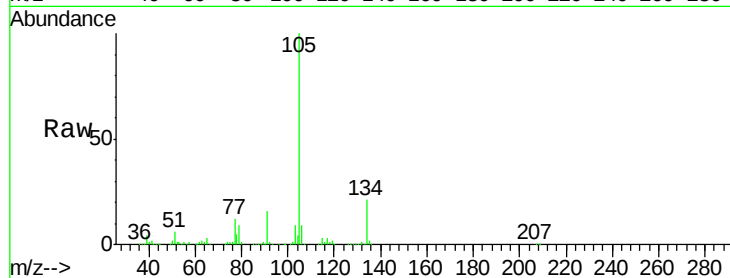
134 20.4 10.1 30.1

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

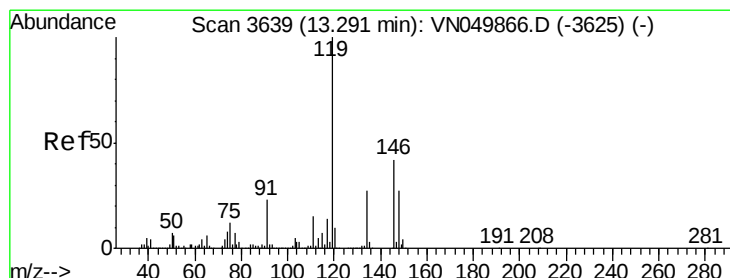
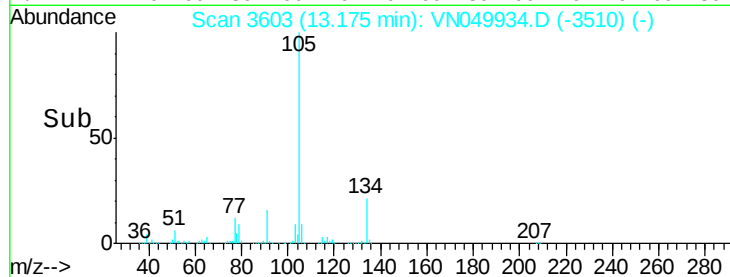
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.60 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

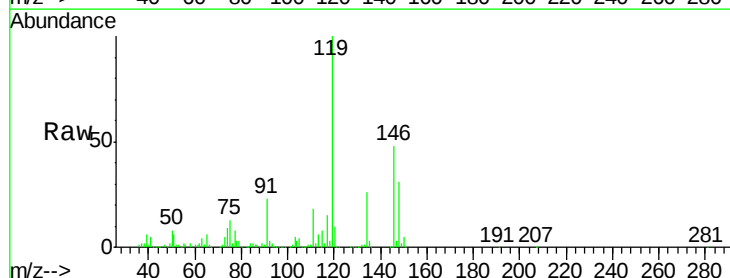
Tgt Ion:119 Resp: 488040

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 23.2 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

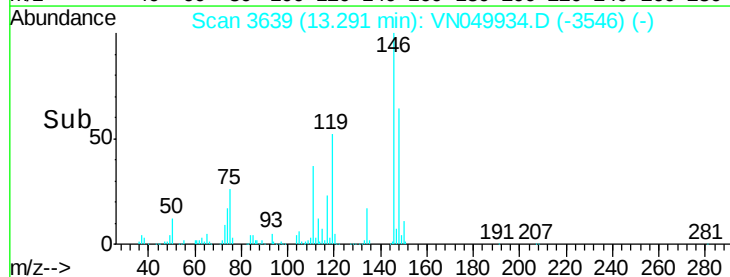
300000

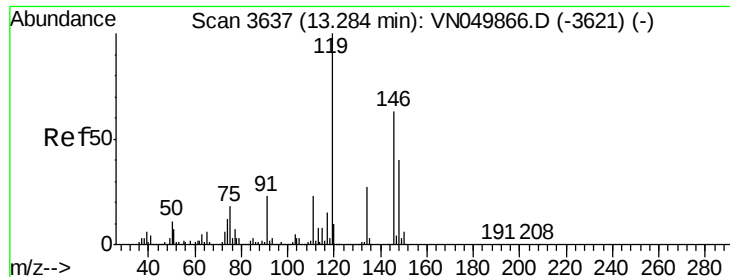
200000

100000

0

Time-->





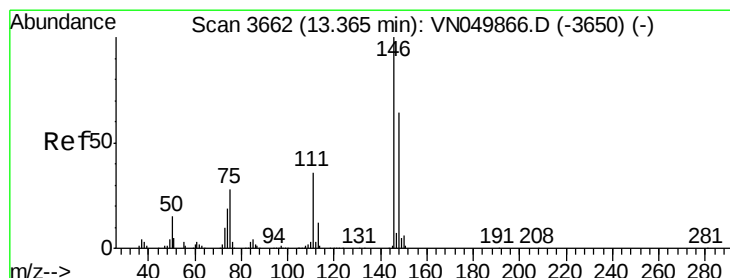
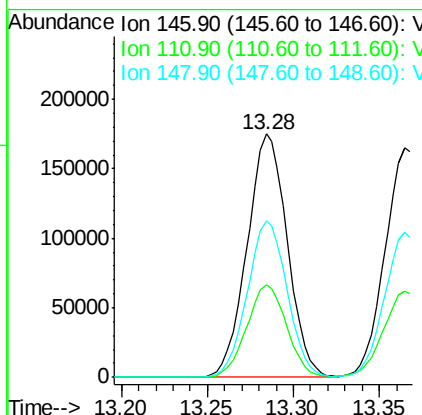
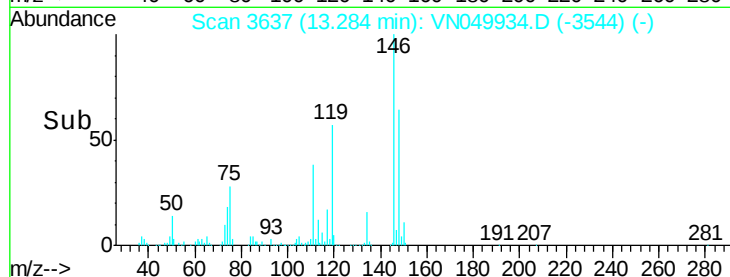
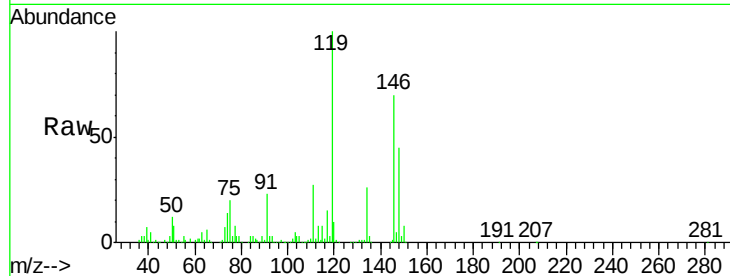
#87
 1,3-Dichlorobenzene
 Concen: 19.70 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.0	57.0
148	63.8	32.5	97.5

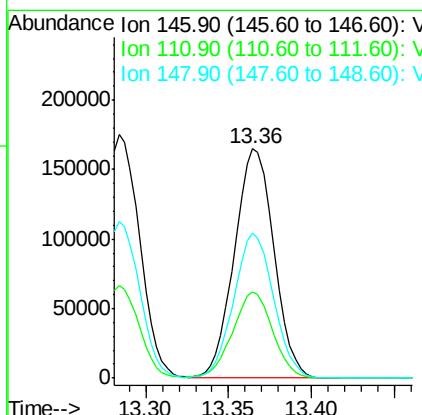
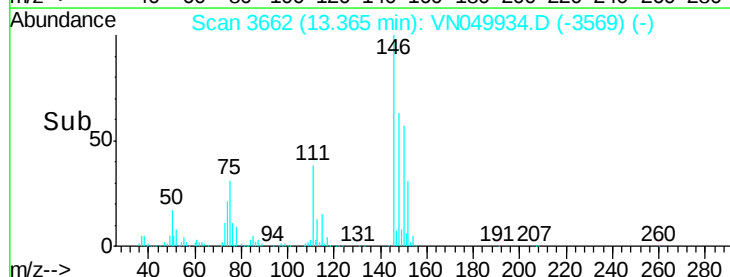
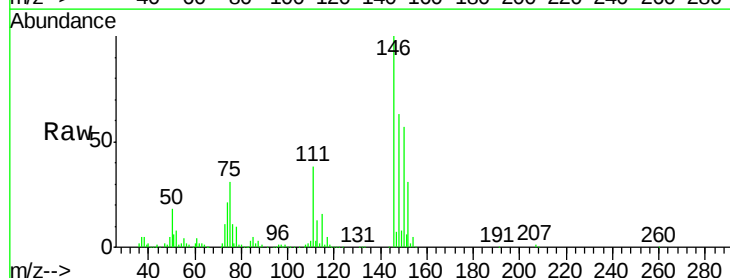
Manual Integrations
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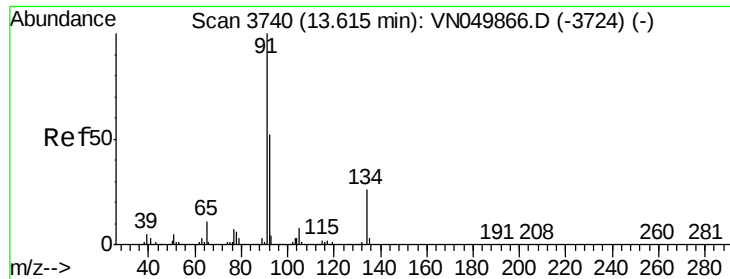
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#88
 1,4-Dichlorobenzene
 Concen: 19.02 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.5
148	63.6	32.1	96.3





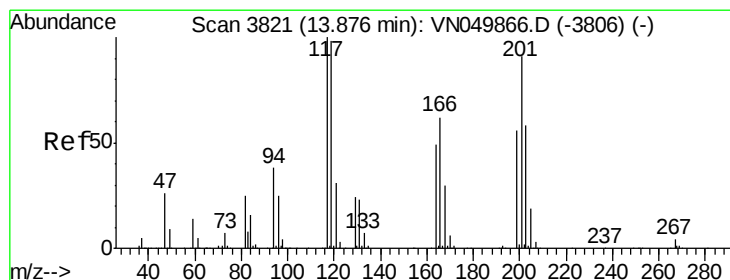
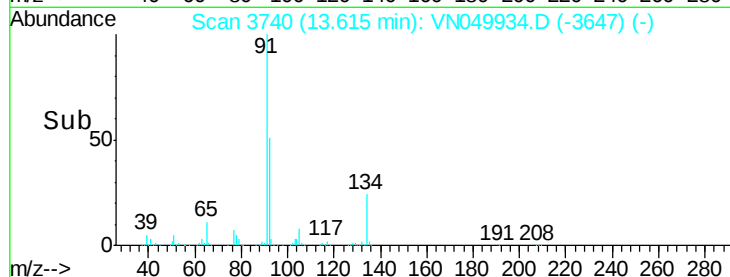
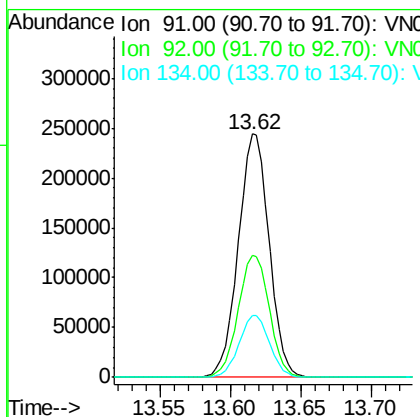
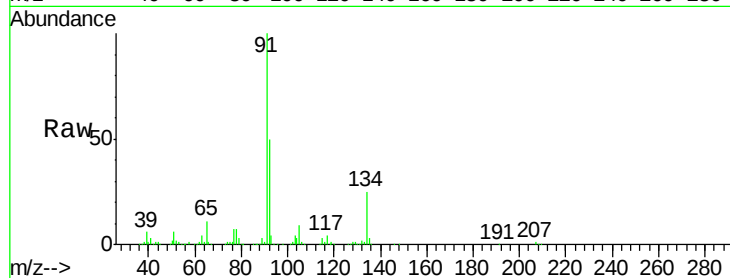
#89
n-Butylbenzene
Concen: 19.13 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.8	77.3
134	25.3	13.0	38.9

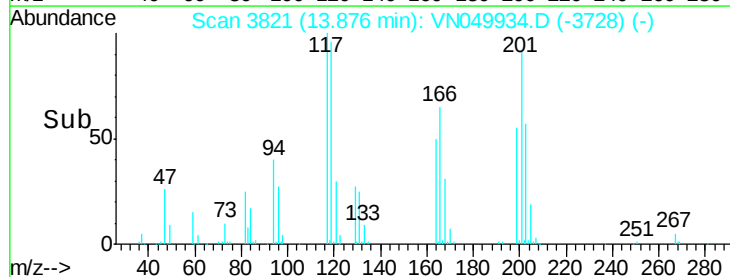
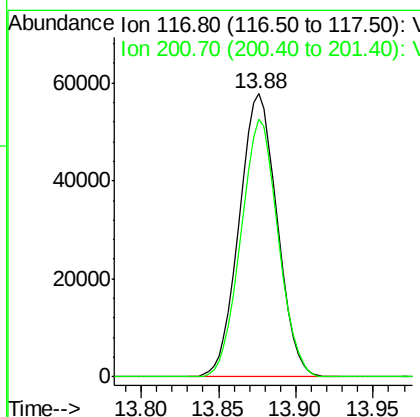
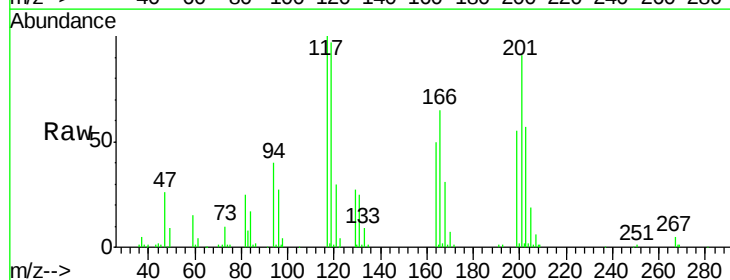
Manual Integrations
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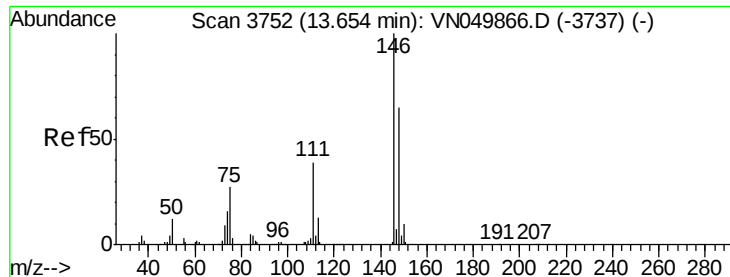
MMDadoda
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#90
Hexachloroethane
Concen: 18.55 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	45.3	135.8





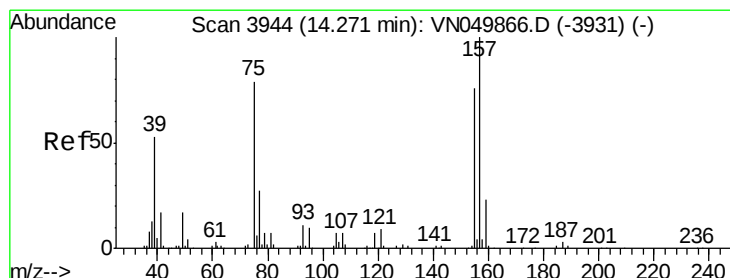
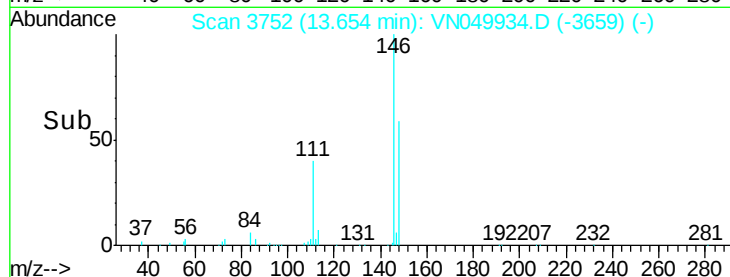
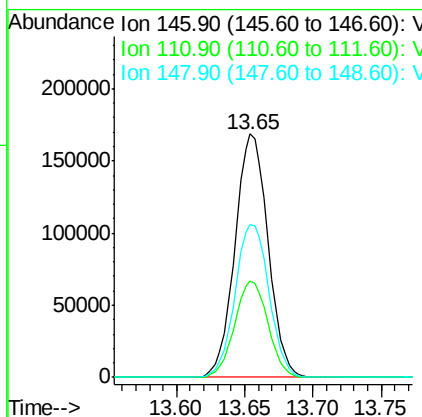
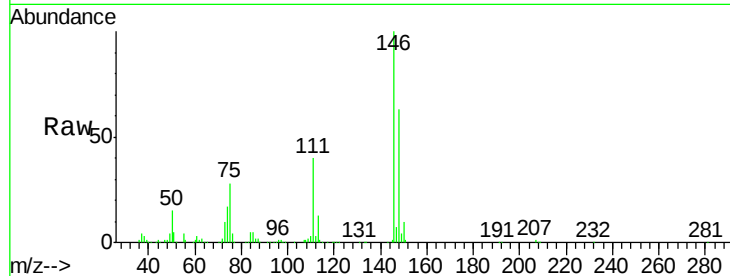
#91
 1,2-Dichlorobenzene
 Concen: 20.06 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.7	59.1
148	64.8	32.0	96.2

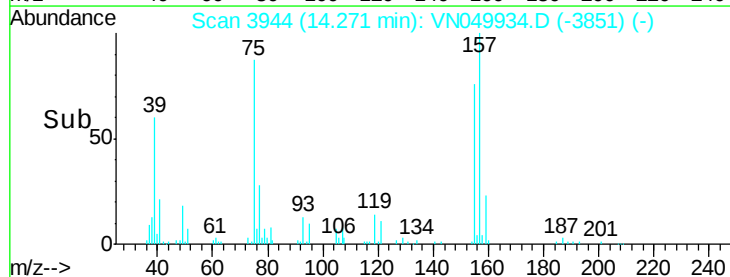
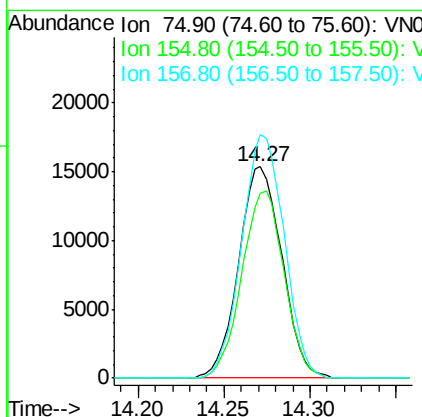
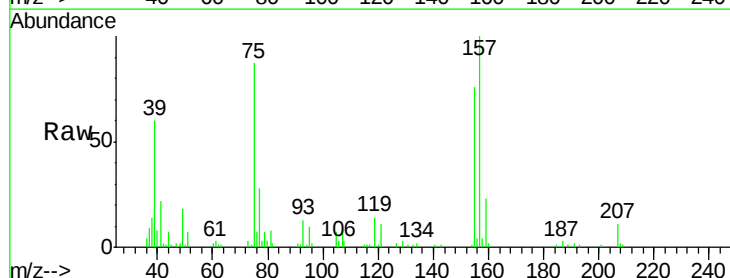
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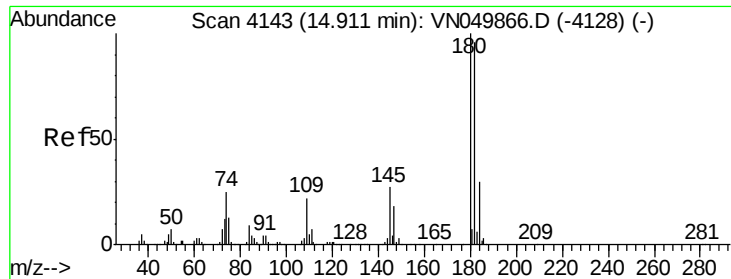
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.43 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.4	45.7	137.1
157	113.3	56.9	170.7





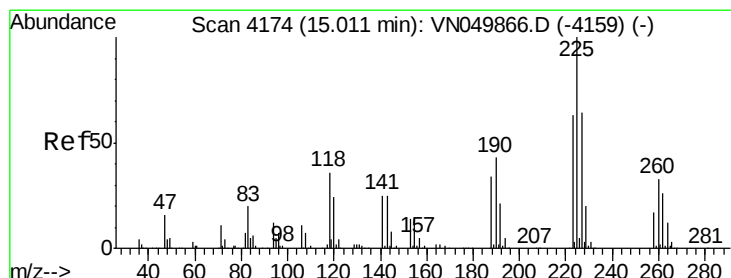
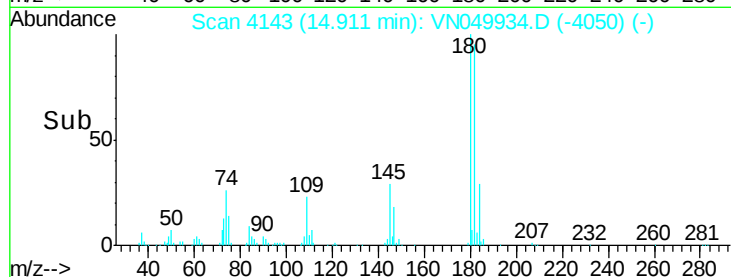
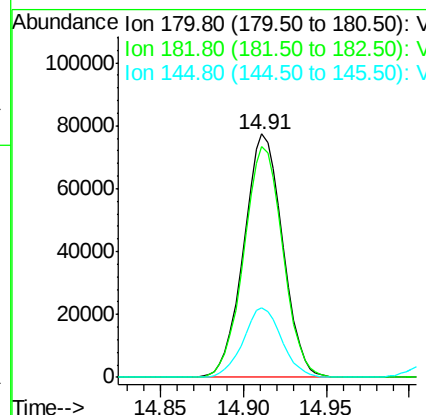
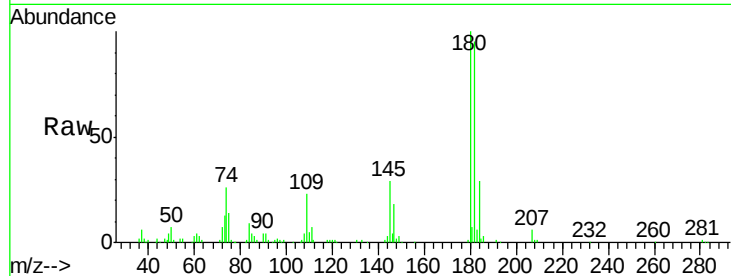
#93
1,2,4-Trichlorobenzene
Concen: 18.50 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	125868		
182	95.1	47.3	141.9	
145	28.1	14.4	43.0	

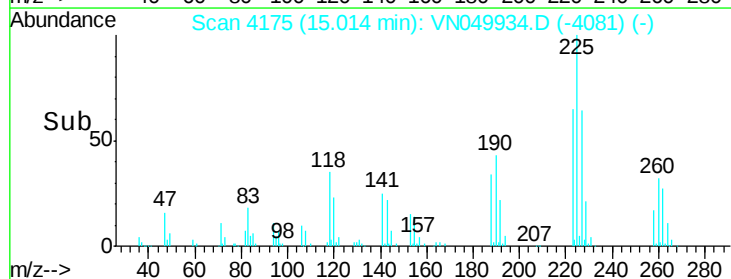
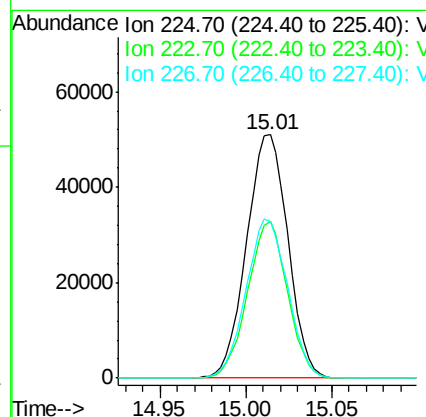
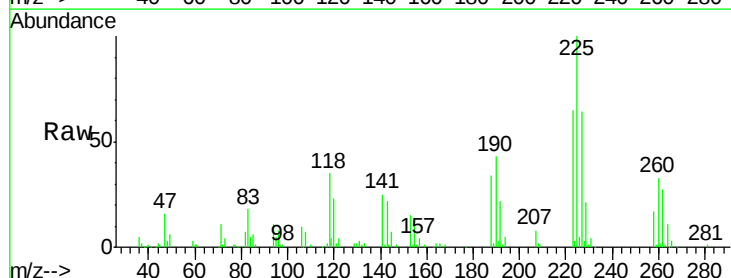
Manual Integrations
APPROVED

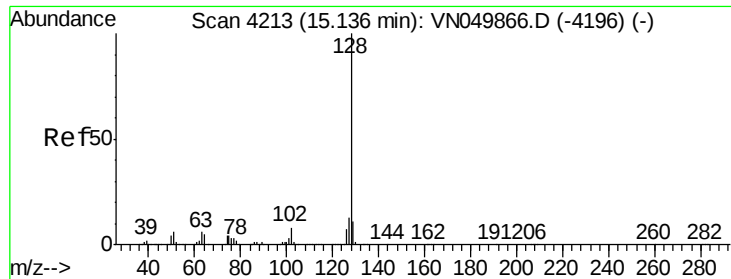
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#94
Hexachlorobutadiene
Concen: 18.37 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85083		
223	61.9	30.9	92.7	
227	65.5	31.8	95.4	





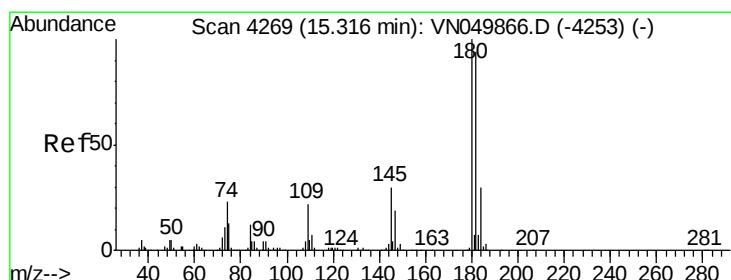
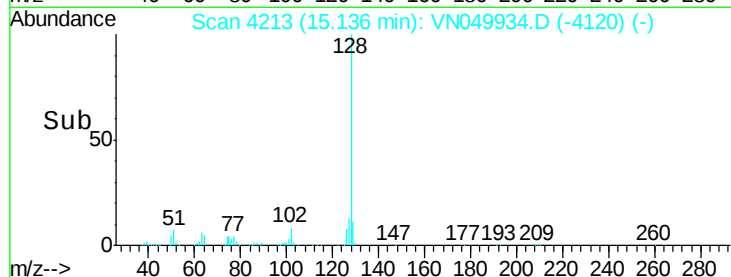
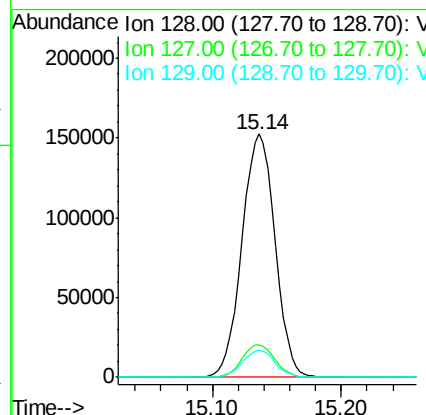
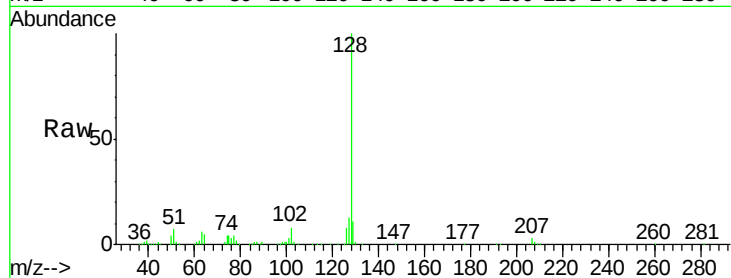
#95
Naphthalene
Concen: 17.78 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.64 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.4	142.2
145	30.1	15.2	45.6

