

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049849.D
 Acq On : 17 Jul 2018 16:34
 Operator : MD\SY
 Sample : VN0717MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717MBS01

Manual Integrations
 APPROVED

MMDadoda
 7/18/2018 11:59:14 AM

Quant Time: Jul 17 17:15:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 17 13:20:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	613356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	918454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	854108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	442325	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	441419	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
35) Dibromofluoromethane	7.59	113	386757	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
50) Toluene-d8	10.09	98	1419204	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.40	95	490212	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	119542	21.81	ug/l	98
3) Chloromethane	2.06	50	158366	21.68	ug/l	98
4) Vinyl Chloride	2.18	62	173761	19.80	ug/l	98
5) Bromomethane	2.56	94	119158	25.32	ug/l	98
6) Chloroethane	2.70	64	110375	21.68	ug/l	98
7) Trichlorofluoromethane	3.01	101	232113	21.71	ug/l	98
8) Diethyl Ether	3.41	74	87920	20.86	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	142598	22.33	ug/l	100
10) Methyl Iodide	3.95	142	173396	19.57	ug/l	99
11) Tert butyl alcohol	4.82	59	74288	113.87	ug/l	100
12) 1,1-Dichloroethene	3.73	96	129692	20.27	ug/l	98
13) Acrolein	3.61	56	61273	121.98	ug/l	98
14) Allyl chloride	4.32	41	212333	20.90	ug/l	100
15) Acrylonitrile	5.00	53	296481	108.03	ug/l	99
16) Acetone	3.82	43	241237	126.14	ug/l	98
17) Carbon Disulfide	4.04	76	370278	21.03	ug/l	100
18) Methyl Acetate	4.33	43	160149	23.13	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	396900	22.21	ug/l	99
20) Methylene Chloride	4.55	84	153399	21.88	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	138550	20.48	ug/l	98
22) Diisopropyl ether	5.96	45	455329	22.42	ug/l	98
23) Vinyl Acetate	5.90	43	1640197	109.81	ug/l	100
24) 1,1-Dichloroethane	5.85	63	266690	20.49	ug/l	99
25) 2-Butanone	6.84	43	368825	109.06	ug/l	99
26) 2,2-Dichloropropane	6.83	77	215138	21.71	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	158012	20.84	ug/l	99
28) Bromochloromethane	7.20	49	128632	21.29	ug/l	97
29) Tetrahydrofuran	7.22	42	234420	109.02	ug/l	99
30) Chloroform	7.37	83	274456	20.43	ug/l	97
31) Cyclohexane	7.65	56	223174	21.46	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	236591	20.73	ug/l	99
36) 1,1-Dichloropropene	7.80	75	198742	20.45	ug/l	100
37) Ethyl Acetate	6.94	43	161019	22.22	ug/l	98
38) Carbon Tetrachloride	7.77	117	205972	20.12	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	206981	20.68	µg/l	97
40) Benzene	8.04	78	617735	20.97	µg/l	100
41) Methacrylonitrile	7.18	41	76317	20.51	µg/l #	93
42) 1,2-Dichloroethane	8.13	62	202084	20.17	µg/l	99
43) Isopropyl Acetate	8.17	43	276791	22.45	µg/l #	87
44) Trichloroethene	8.84	130	158295	20.43	µg/l	98
45) 1,2-Dichloropropane	9.12	63	163261	20.80	µg/l	100
46) Dibromomethane	9.21	93	103406	20.65	µg/l	98
47) Bromodichloromethane	9.41	83	209962	20.63	µg/l	98
48) Methyl methacrylate	9.20	41	131886	21.57	µg/l	99
49) 1,4-Dioxane	9.21	88	41568	448.46	µg/l	97
51) 4-Methyl-2-Pentanone	9.99	43	800480	110.36	µg/l	100
52) Toluene	10.16	92	379013	21.47	µg/l	99
53) t-1,3-Dichloropropene	10.38	75	213841	21.52	µg/l	100
54) cis-1,3-Dichloropropene	9.84	75	238581	21.40	µg/l	99
55) 1,1,2-Trichloroethane	10.56	97	148535	20.50	µg/l	98
56) Ethyl methacrylate	10.43	69	193831	22.09	µg/l	99
57) 1,3-Dichloropropane	10.71	76	249106	21.23	µg/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	458842	110.79	µg/l	100
59) 2-Hexanone	10.75	43	559513	112.51	µg/l	99
60) Dibromochloromethane	10.90	129	166245	20.61	µg/l	100
61) 1,2-Dibromoethane	11.01	107	150238	21.16	µg/l	100
64) Tetrachloroethene	10.63	164	144628	19.91	µg/l	98
65) Chlorobenzene	11.44	112	421512	20.81	µg/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	154642	19.89	µg/l	99
67) Ethyl Benzene	11.51	91	715681	21.99	µg/l	99
68) m/p-Xylenes	11.62	106	548172	44.39	µg/l	99
69) o-Xylene	11.95	106	268675	22.81	µg/l	98
70) Styrene	11.97	104	433433	22.70	µg/l	99
71) Bromoform	12.13	173	121011	20.21	µg/l #	99
73) Isopropylbenzene	12.25	105	710253	22.18	µg/l	100
74) N-amyl acetate	12.07	43	232494	21.97	µg/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	208390	20.29	µg/l	99
76) 1,2,3-Trichloropropane	12.56	75	183560m	21.21	µg/l	
77) Bromobenzene	12.53	156	231894	26.41	µg/l	79
78) n-propylbenzene	12.59	91	819193	22.73	µg/l	100
79) 2-Chlorotoluene	12.68	91	491047	22.07	µg/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	594105	23.67	µg/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	57096	21.59	µg/l	100
82) 4-Chlorotoluene	12.78	91	494162	22.48	µg/l	99
83) tert-Butylbenzene	12.99	119	508427	23.11	µg/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	600777	23.47	µg/l	99
85) sec-Butylbenzene	13.17	105	681885	23.04	µg/l	99
86) p-Isopropyltoluene	13.29	119	586236	23.43	µg/l	100
87) 1,3-Dichlorobenzene	13.28	146	319516	21.17	µg/l	99
88) 1,4-Dichlorobenzene	13.36	146	314992	21.25	µg/l	100
89) n-Butylbenzene	13.62	91	478669	23.32	µg/l	99
90) Hexachloroethane	13.88	117	107090	20.99	µg/l	99
91) 1,2-Dichlorobenzene	13.65	146	319724	20.83	µg/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34487	22.48	µg/l	93

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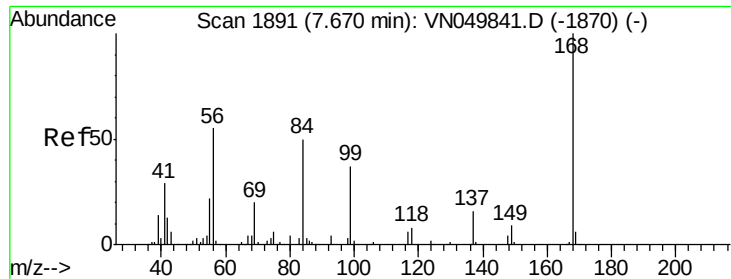
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	170501	24.95	ug/l	98
94) Hexachlorobutadiene	15.01	225	101675	21.21	ug/l	99
95) Naphthalene	15.14	128	447535	25.16	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	176313	24.40	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

ClientSampleId :

VN0717MBS01

Tot Ion:168 Resp: 613356

Ion Ratio Lower Upper

168 100

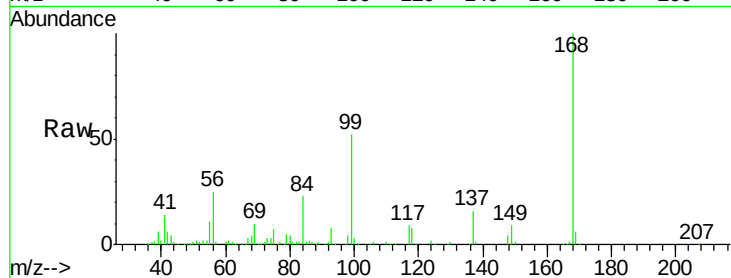
99 51.2 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

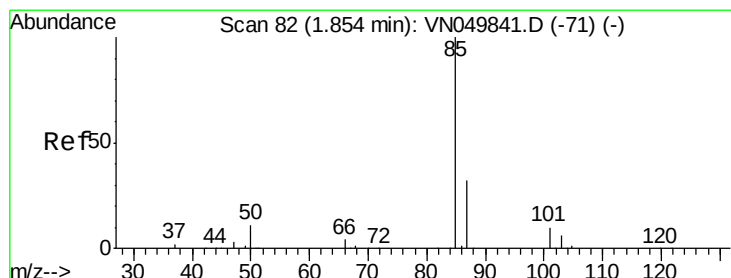
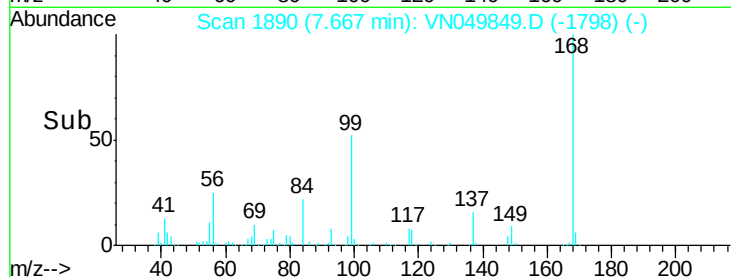
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.81 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049849.D

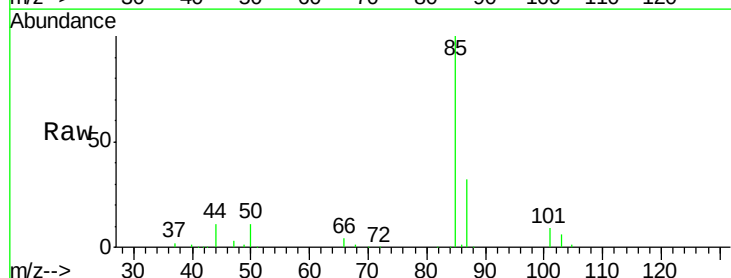
Acq: 17 Jul 2018 16:34

Tgt Ion: 85 Resp: 119542

Ion Ratio Lower Upper

85 100

87 31.9 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

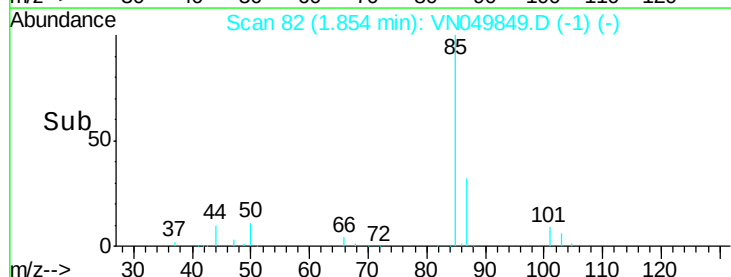
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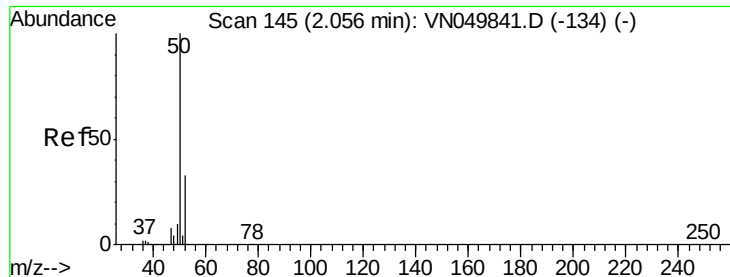
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.68 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

ClientSampleId :

VN0717MBS01

Tot Ion: 50 Resp: 158366

Ion Ratio Lower Upper

50 100

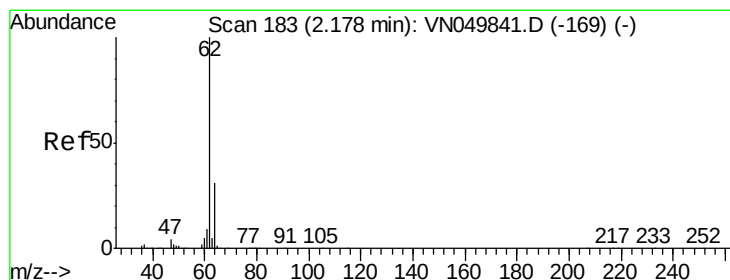
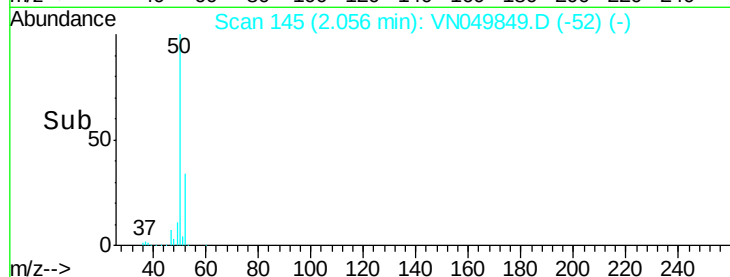
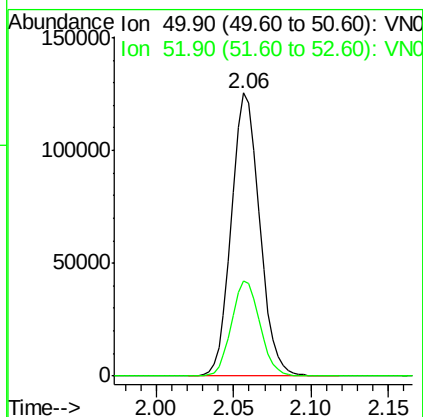
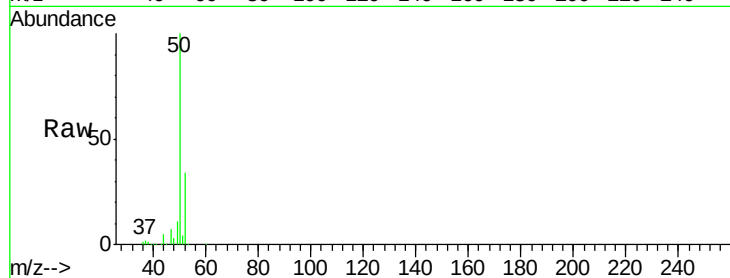
52 33.7 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.80 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN049849.D

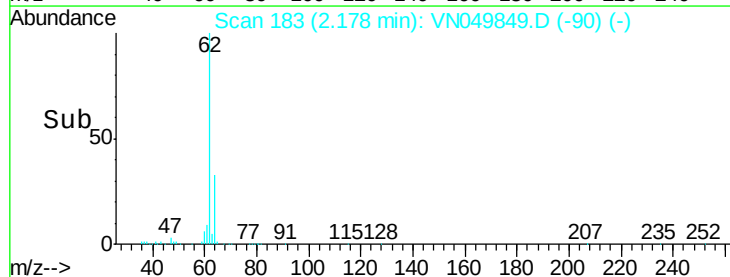
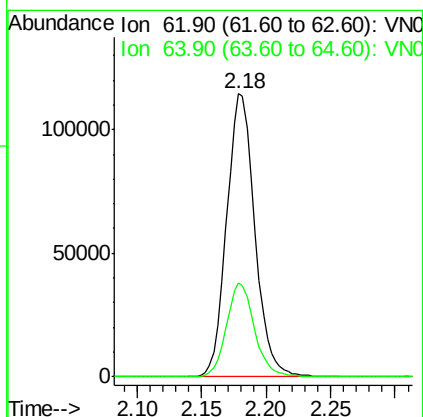
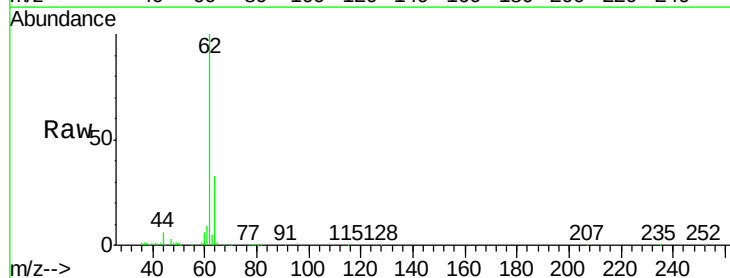
Acq: 17 Jul 2018 16:34

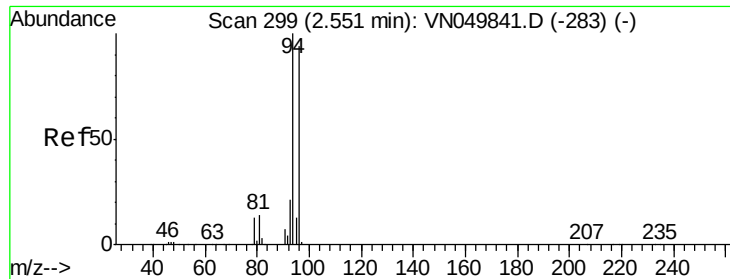
Tgt Ion: 62 Resp: 173761

Ion Ratio Lower Upper

62 100

64 33.0 25.4 38.0





#5

Bromomethane

Concen: 25.32 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

ClientSampleId :

VN0717MBS01

Tot Ion: 94 Resp: 119158

Ion Ratio Lower Upper

94 100

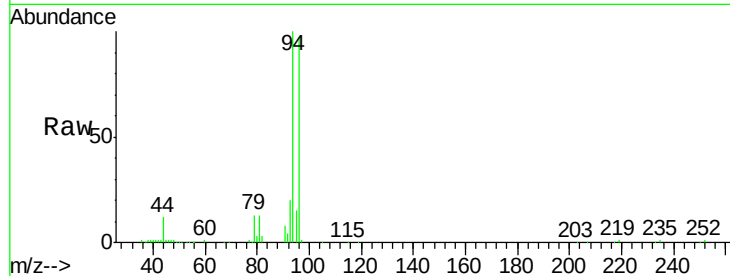
96 96.6 75.7 113.5

Manual Integrations

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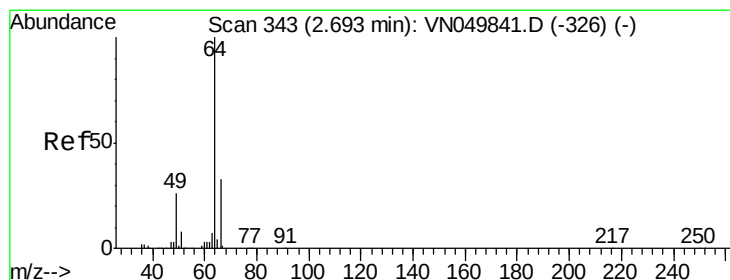
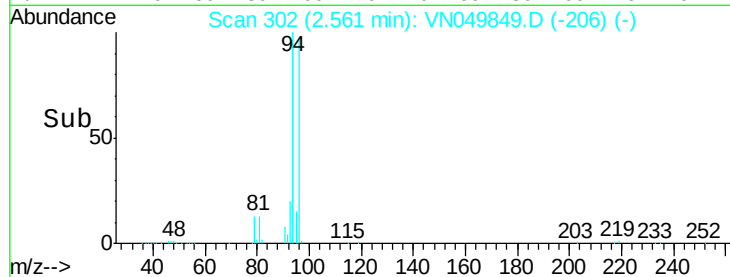
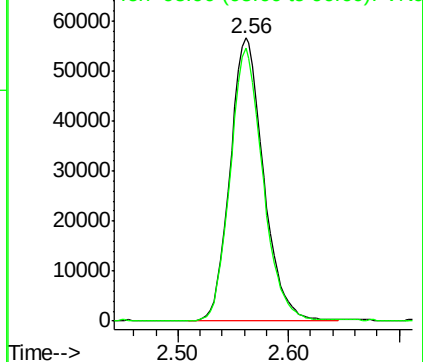
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.68 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN049849.D

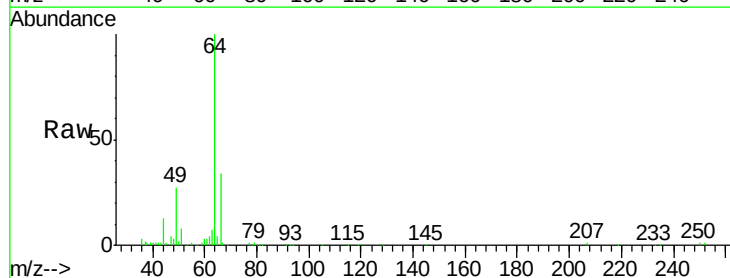
Acq: 17 Jul 2018 16:34

Tgt Ion: 64 Resp: 110375

Ion Ratio Lower Upper

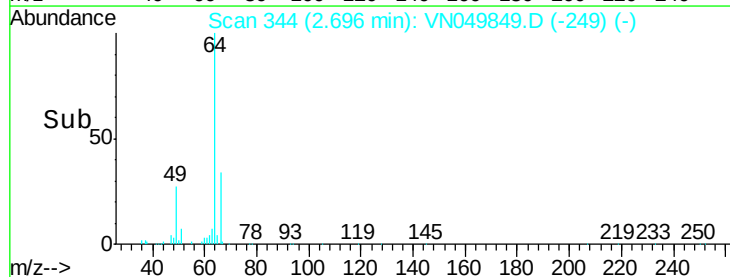
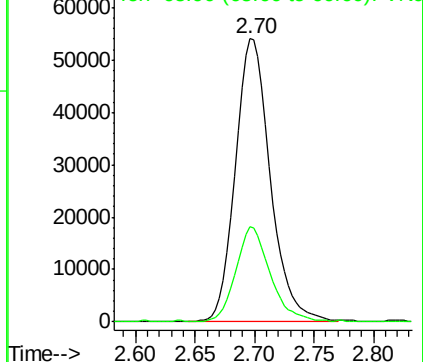
64 100

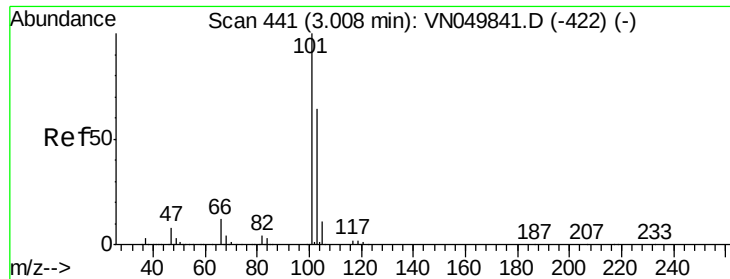
66 33.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 21.71 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

ClientSampleId :

VN0717MBS01

Tot Ion:101 Resp: 232113

Ion Ratio Lower Upper

101 100

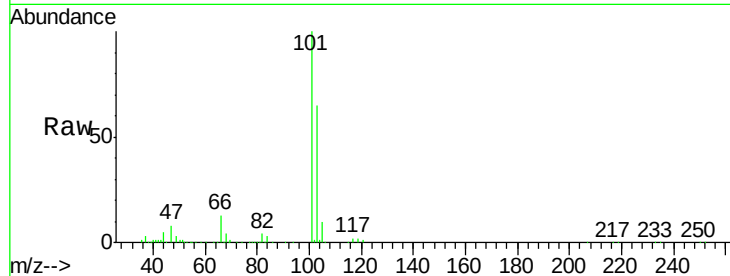
103 64.7 52.8 79.2

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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

120000

100000

80000

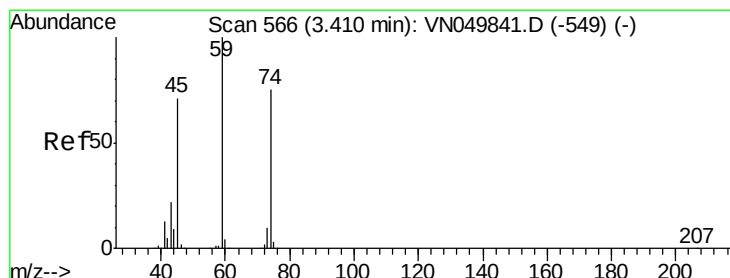
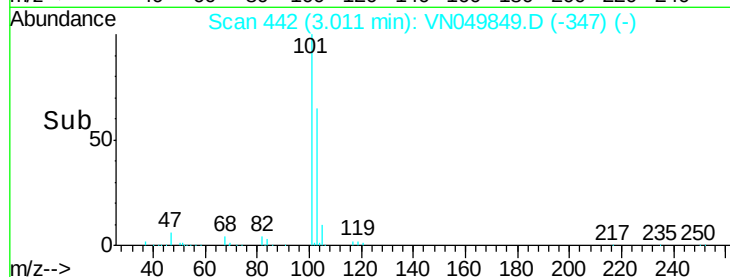
60000

40000

20000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 20.86 ug/l

RT: 3.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN049849.D

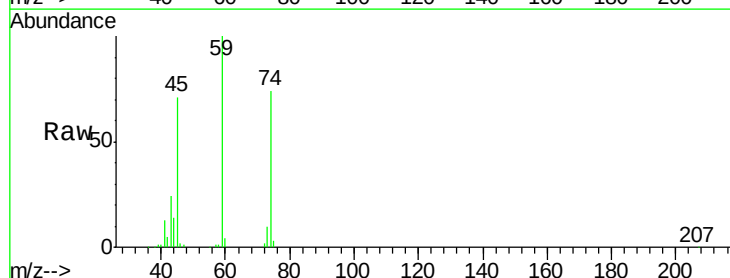
Acq: 17 Jul 2018 16:34

Tgt Ion: 74 Resp: 87920

Ion Ratio Lower Upper

74 100

45 94.0 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

40000

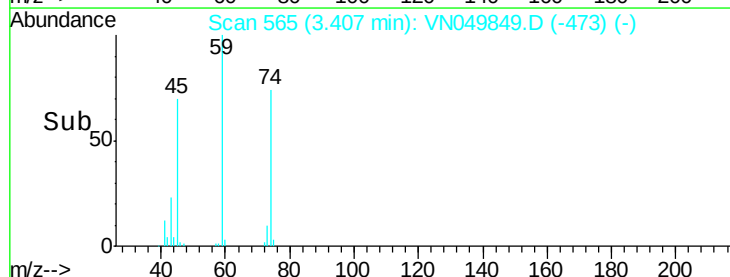
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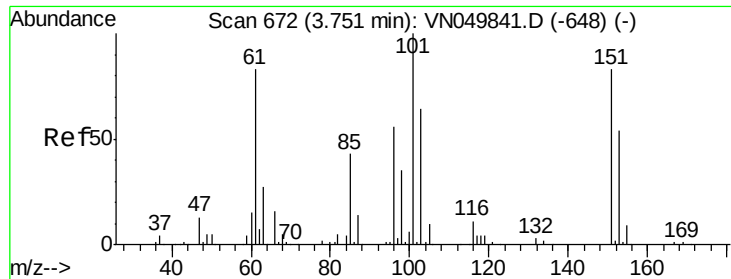
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.33 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

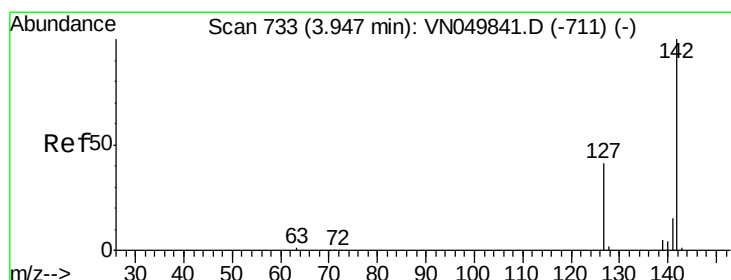
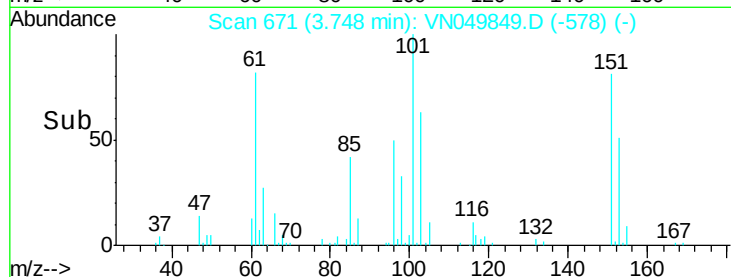
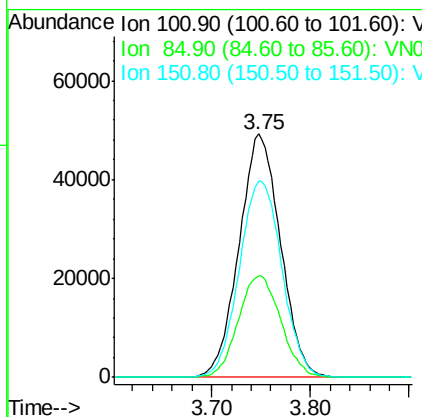
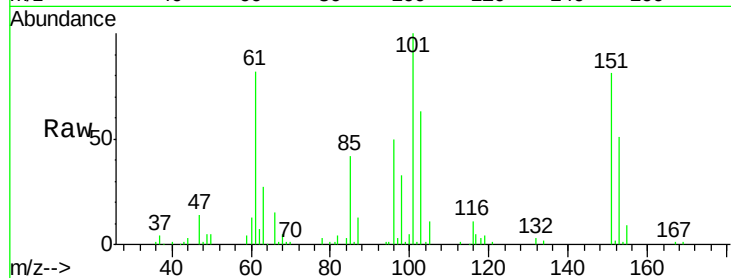
ClientSampleId :

VN0717MBS01

Tot Ion:	101	Resp:	142598
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.4	51.6
151	83.3	66.2	99.4

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#10

Methyl Iodide

Concen: 19.57 ug/l

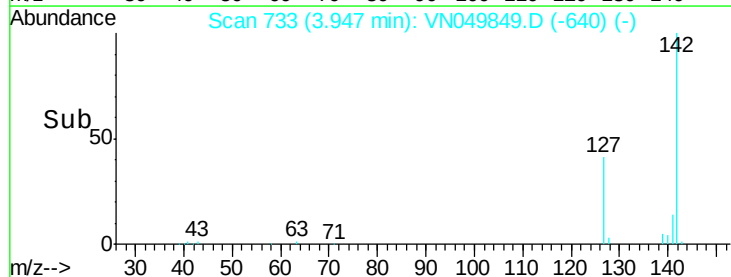
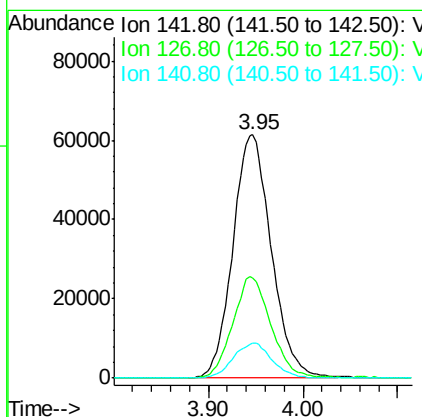
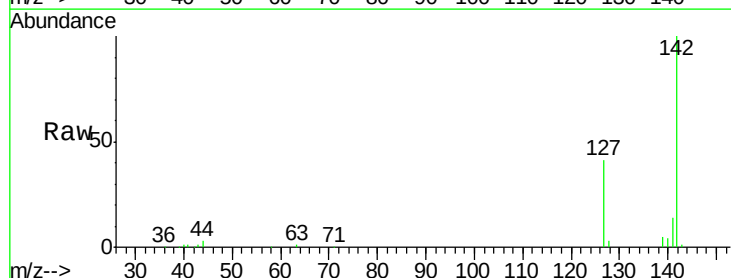
RT: 3.95 min Scan# 733

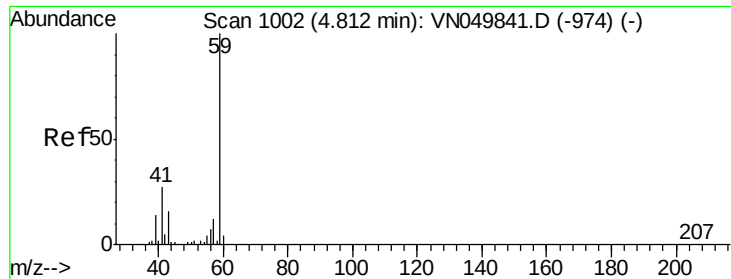
Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Tgt Ion:	142	Resp:	173396
Ion Ratio	Lower	Upper	
142	100		
127	41.5	32.5	48.7
141	14.4	11.1	16.7





#11

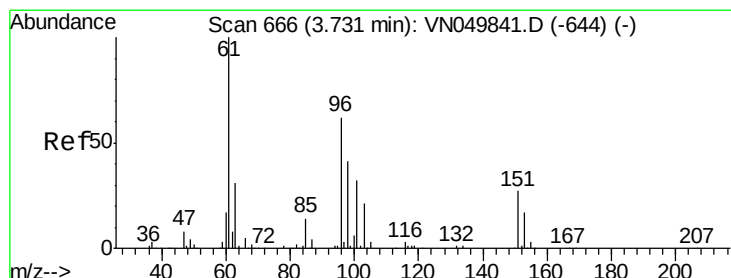
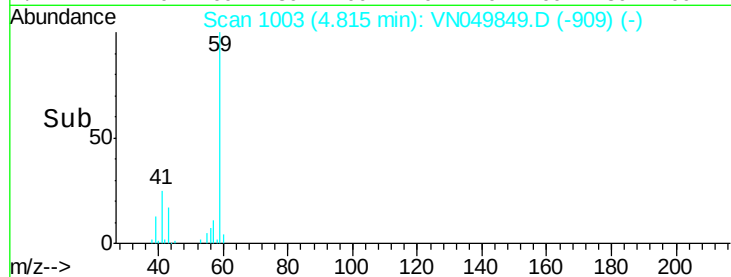
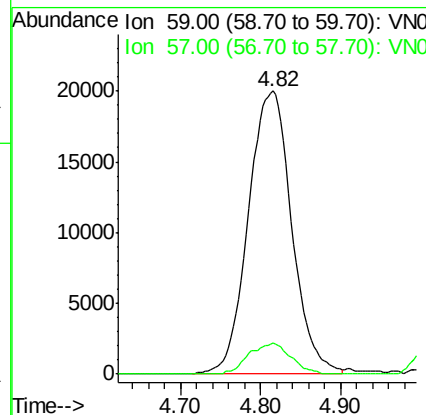
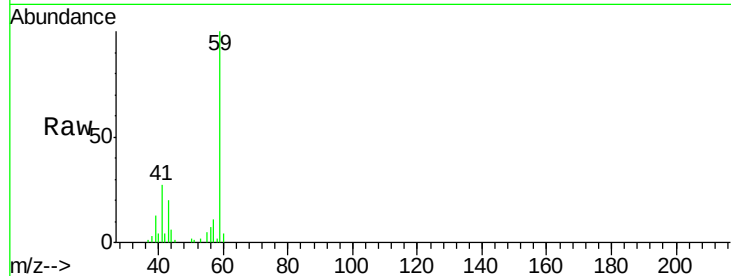
Tert butyl alcohol
Concen: 113.87 ug/l
RT: 4.82 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampleId :
VN0717MBS01

Tot Ion	59	Resp	74288
Ion Ratio	100	Lower	Upper
57	10.6	8.5	12.7

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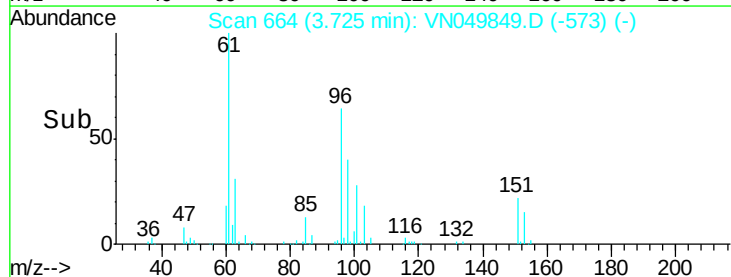
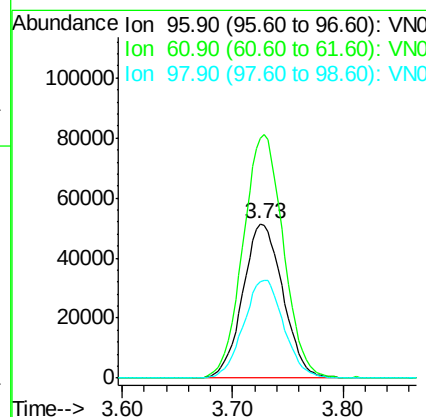
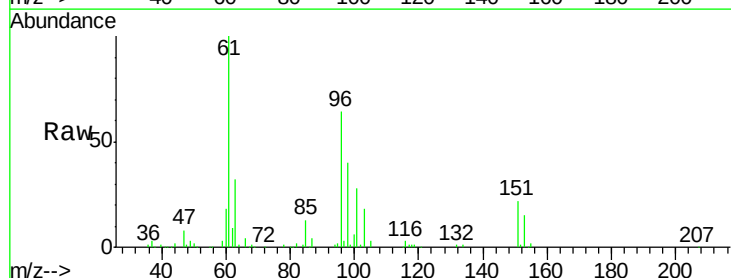
MMDadoda
7/18/2018 11:59:14 AM

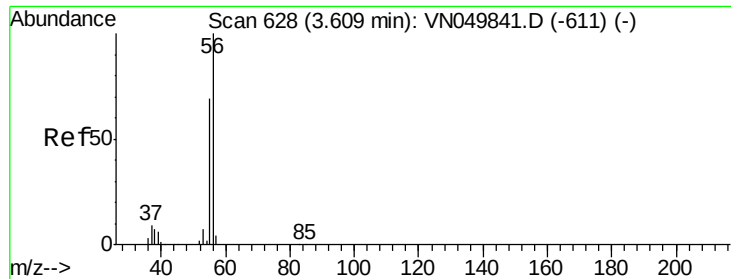


#12

1,1-Dichloroethene
Concen: 20.27 ug/l
RT: 3.73 min Scan# 664
Delta R.T. -0.01 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion	96	Resp	129692
Ion Ratio	100	Lower	Upper
61	155.8	126.5	189.7
98	62.8	51.0	76.6





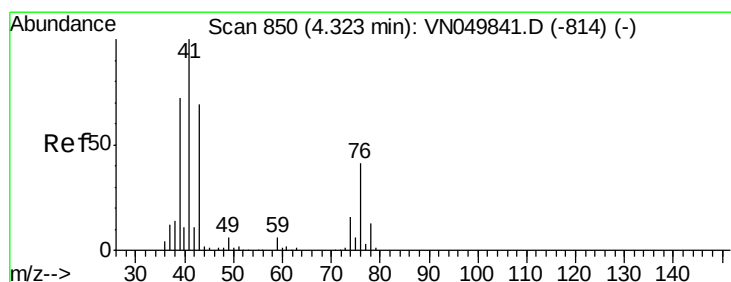
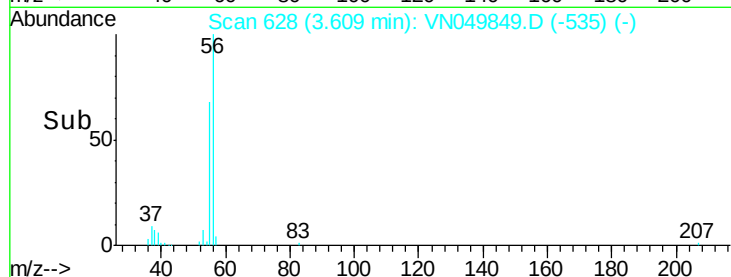
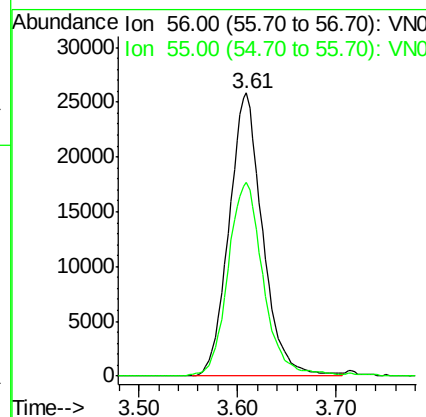
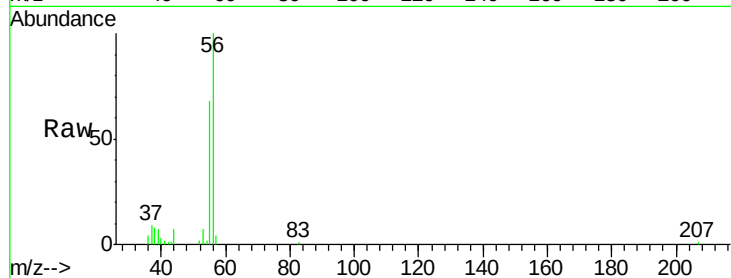
#13
Acrolein
Concen: 121.98 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampleId :
VN0717MBS01

Tot Ion	56	Resp	61273
Ion Ratio	100	Lower	Upper
56	100		
55	71.8	55.8	83.8

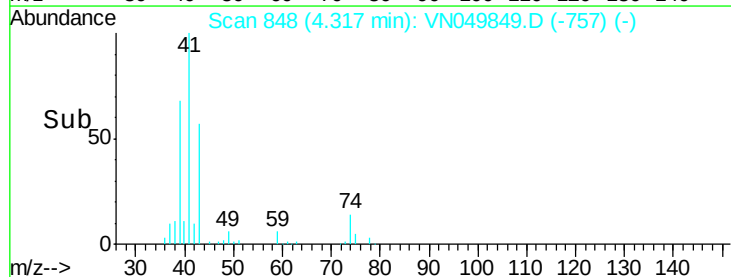
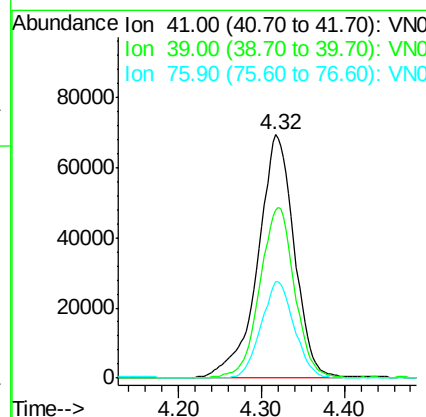
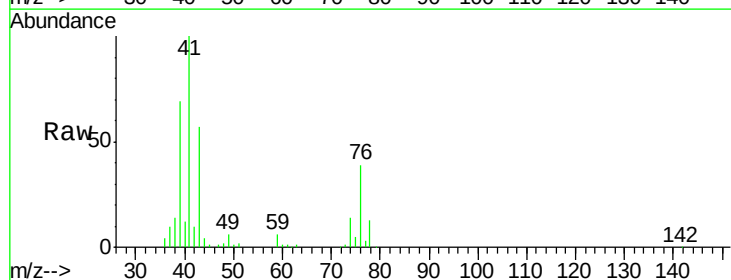
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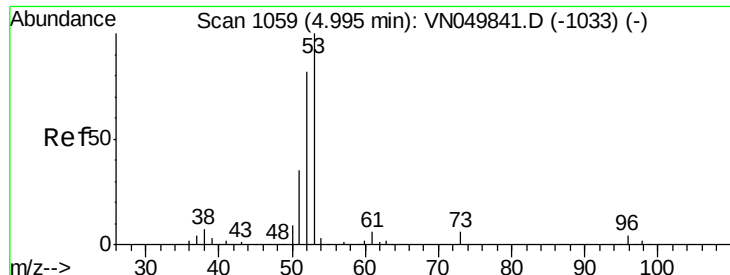
MMDadoda
7/18/2018 11:59:14 AM



#14
Allyl chloride
Concen: 20.90 ug/l
RT: 4.32 min Scan# 848
Delta R.T. -0.01 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion	41	Resp	212333
Ion Ratio	100	Lower	Upper
41	100		
39	66.8	53.2	79.8
76	35.9	29.0	43.6





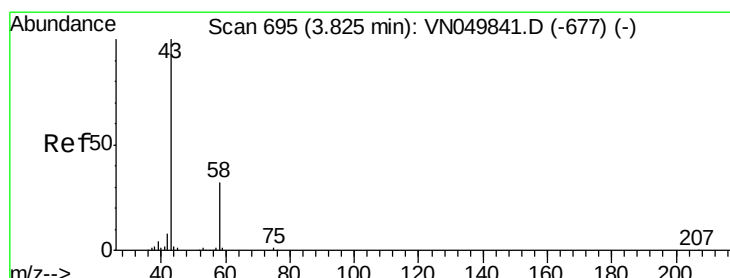
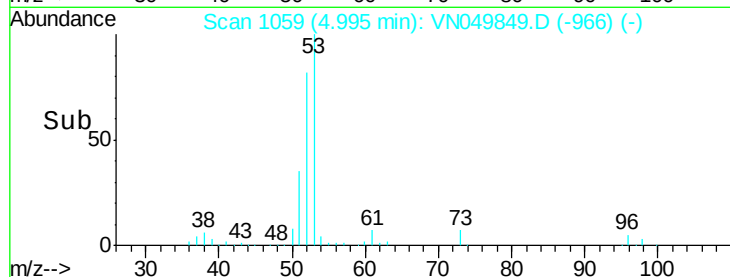
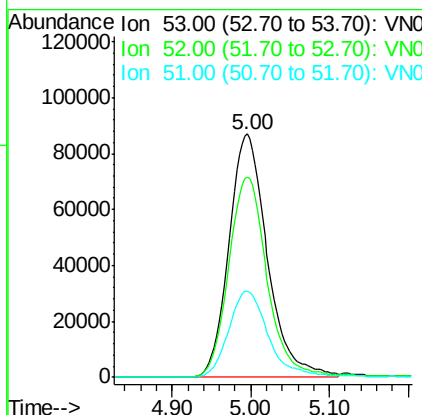
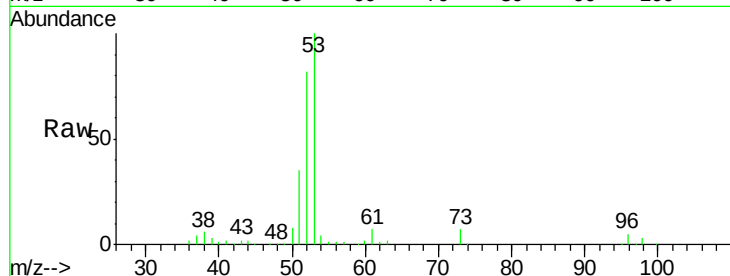
#15
 Acrylonitrile
 Concen: 108.03 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049849.D
 Acq: 17 Jul 2018 16:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	64.8	97.2
51	36.9	28.9	43.3

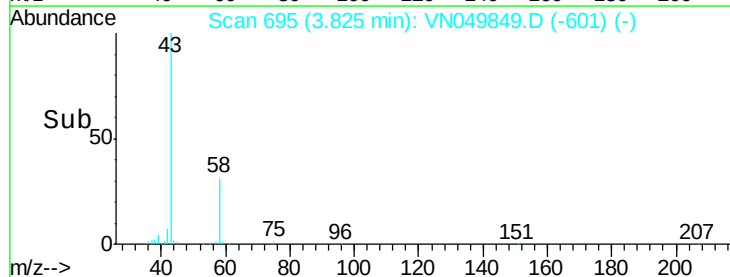
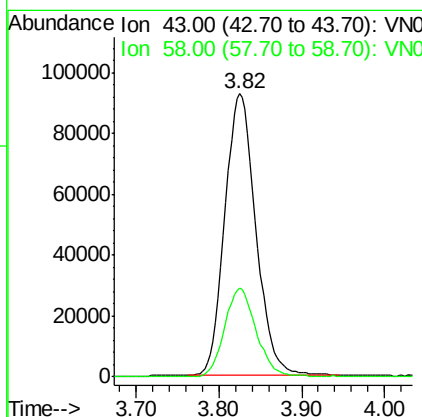
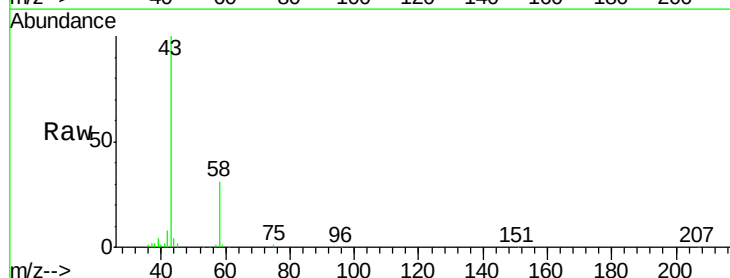
Manual Integrations
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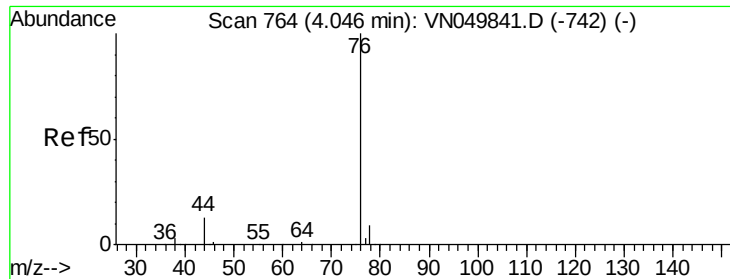
MMDadoda
 7/18/2018 11:59:14 AM



#16
 Acetone
 Concen: 126.14 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN049849.D
 Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.4	25.9	38.9





#17

Carbon Disulfide

Concen: 21.03 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

ClientSampleId :

VN0717MBS01

Tot Ion: 76 Resp: 370278

Ion Ratio Lower Upper

76 100

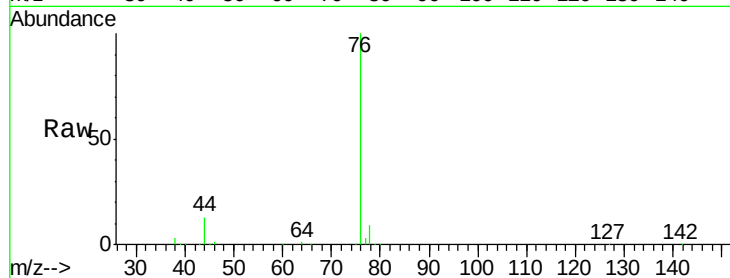
78 9.1 7.1 10.7

Manual Integrations

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7/18/2018 11:59:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

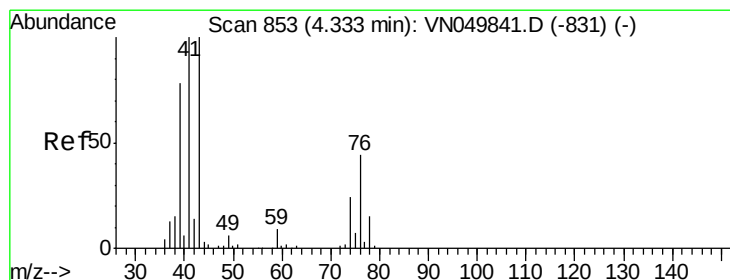
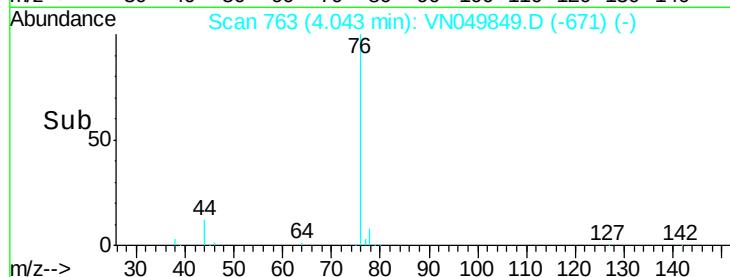
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 23.13 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049849.D

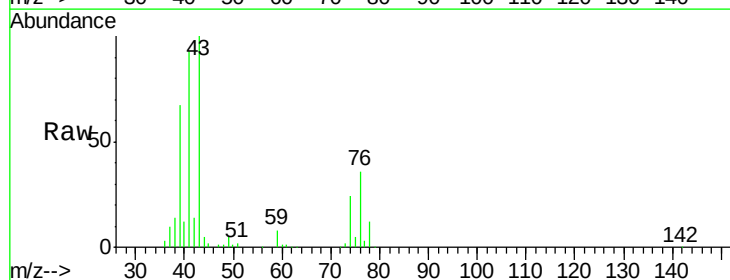
Acq: 17 Jul 2018 16:34

Tgt Ion: 43 Resp: 160149

Ion Ratio Lower Upper

43 100

74 24.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

60000

50000

40000

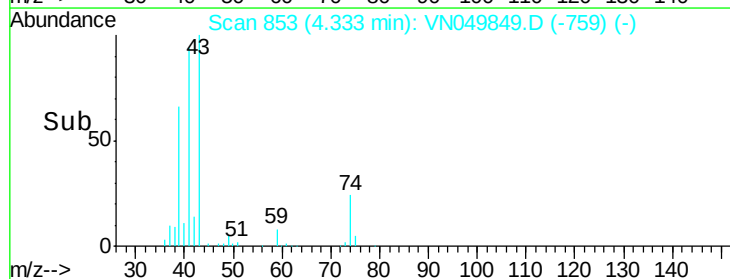
30000

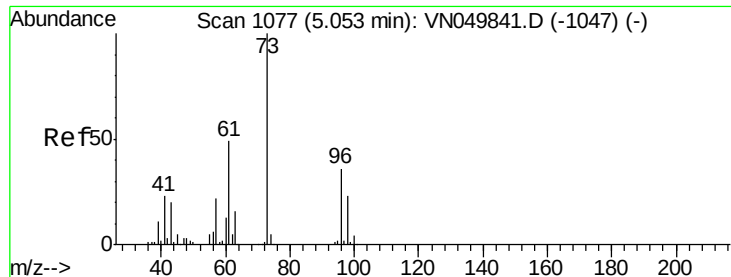
20000

10000

0

Time-->





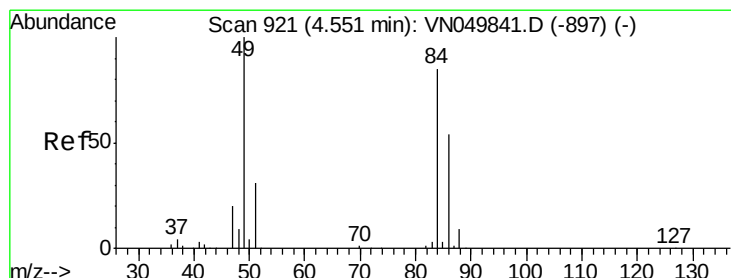
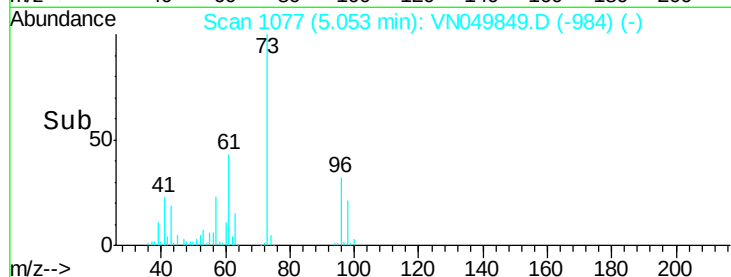
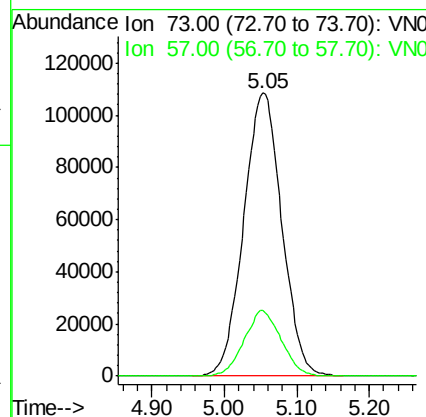
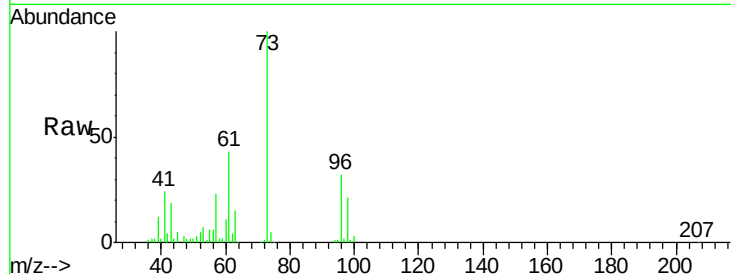
#19
Methvl tert-butvl Ether
Concen: 22.21 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampleId :
VN0717MBS01

Tot Ion: 73 Resp: 396900
Ion Ratio Lower Upper
73 100
57 23.2 18.1 27.1

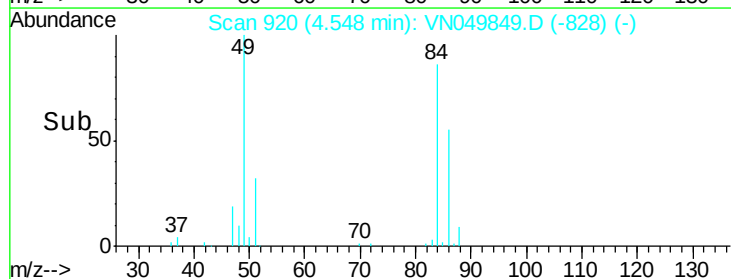
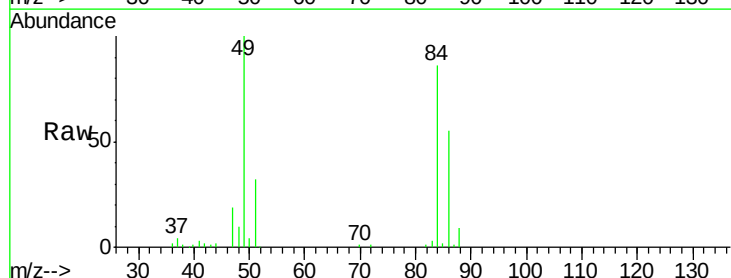
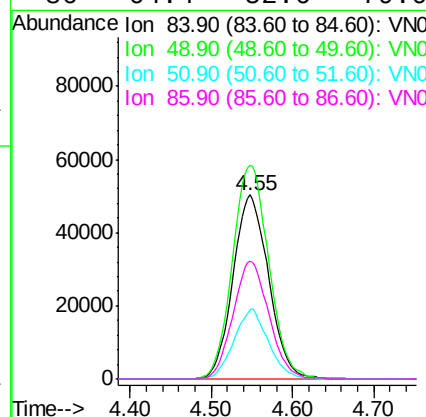
Manual Integrations
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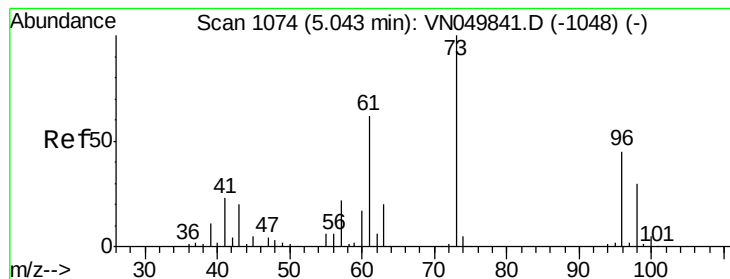
MMDadoda
7/18/2018 11:59:14 AM



#20
Methylene Chloride
Concen: 21.88 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion: 84 Resp: 153399
Ion Ratio Lower Upper
84 100
49 116.2 95.4 143.2
51 37.6 28.4 42.6
86 64.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.48 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

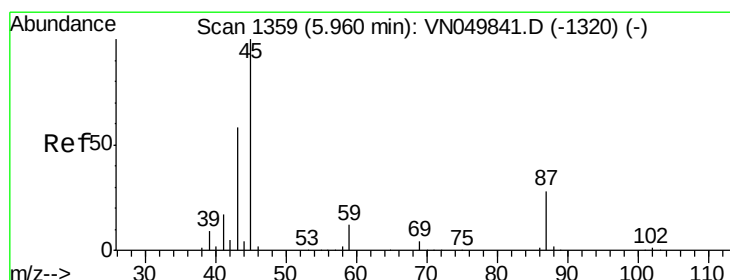
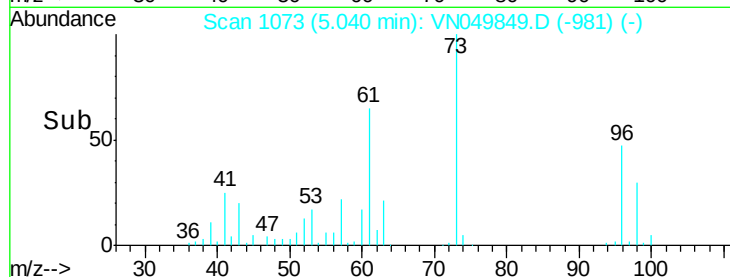
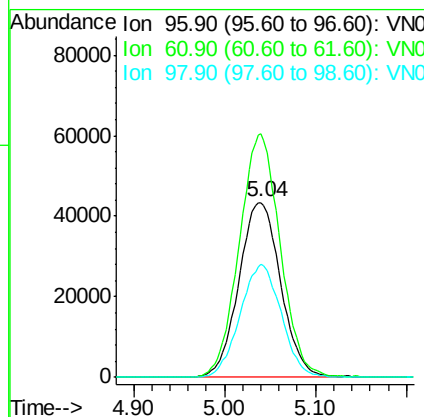
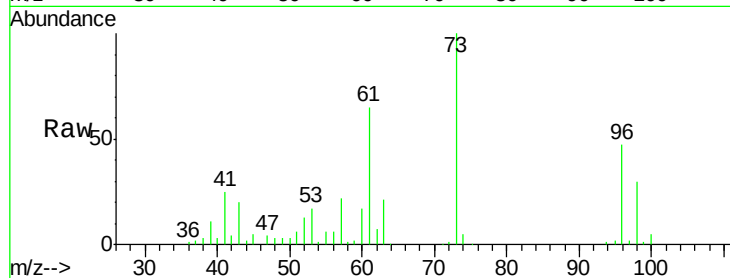
ClientSampleId :

VN0717MBS01

Tot Ion:	96	Resp:	138550
Ion	Ratio	Lower	Upper
96	100		
61	139.3	109.0	163.6
98	64.7	51.1	76.7

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#22

Diisopropyl ether

Concen: 22.42 ug/l

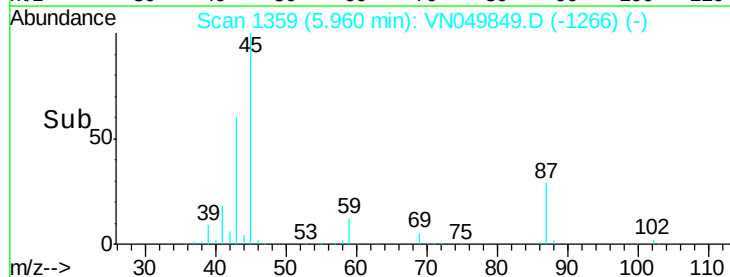
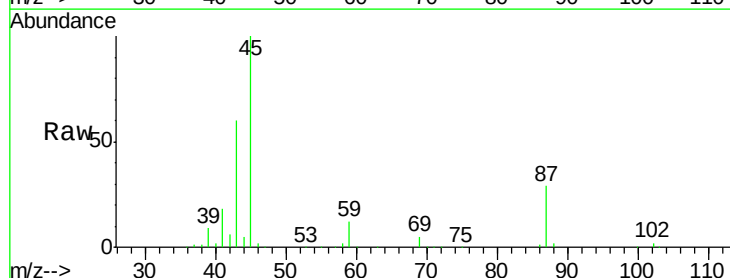
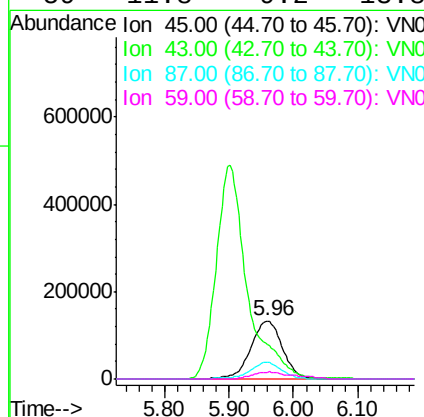
RT: 5.96 min Scan# 1359

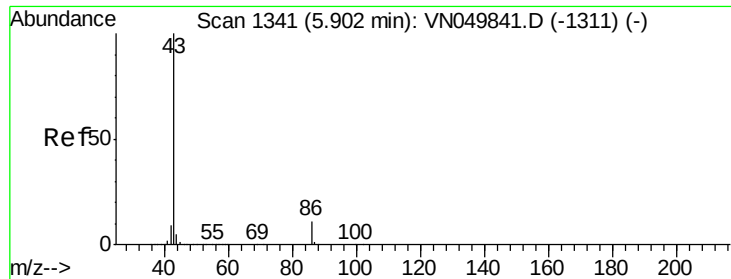
Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Tgt Ion:	45	Resp:	455329
Ion	Ratio	Lower	Upper
45	100		
43	58.4	48.1	72.1
87	29.2	22.6	34.0
59	11.8	9.2	13.8





#23

Vinyl Acetate

Concen: 109.81 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

ClientSampled :

VN0717MBS01

Tot Ion: 43 Resp: 1640197

Ion Ratio Lower Upper

43 100

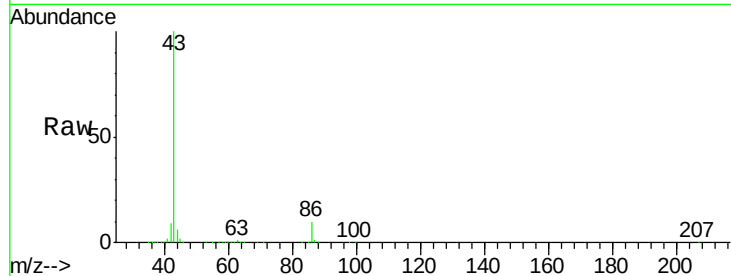
86 10.5 8.4 12.6

Manual Integrations

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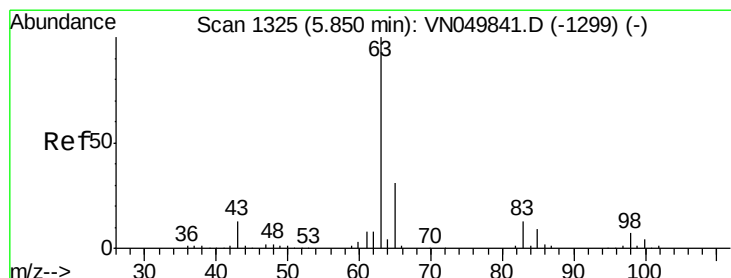
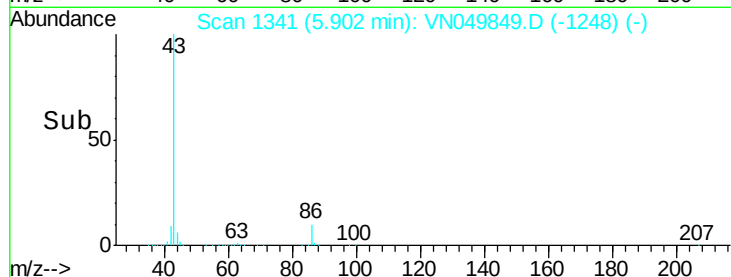
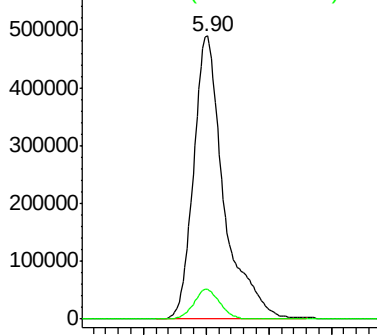
MMDadoda

7/18/2018 11:59:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.49 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

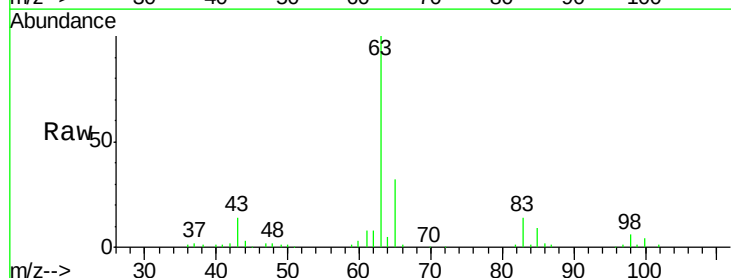
Tgt Ion: 63 Resp: 266690

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

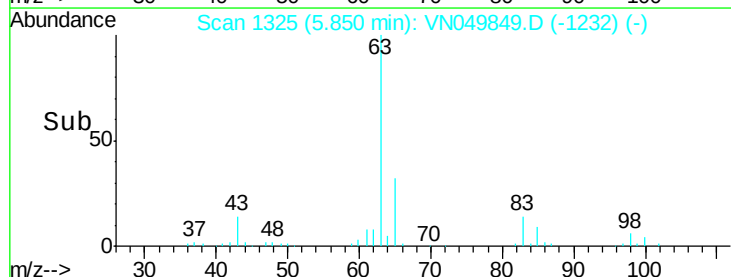
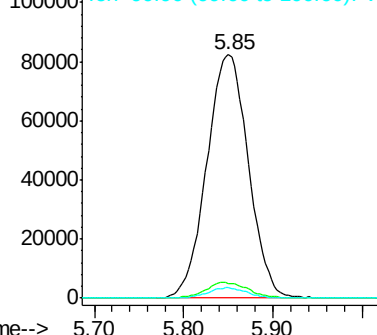
100 4.3 2.2 6.6

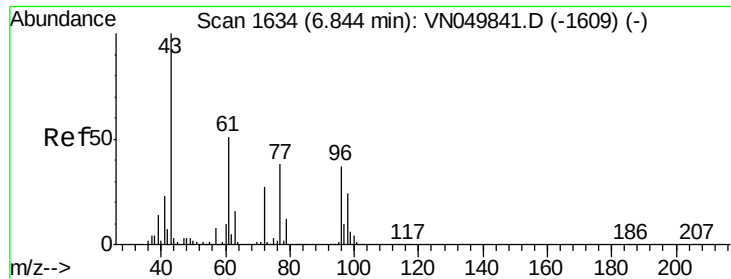


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





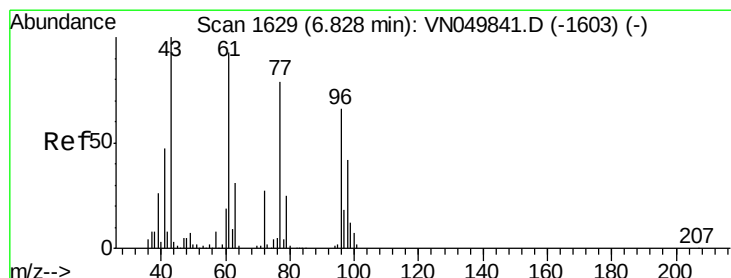
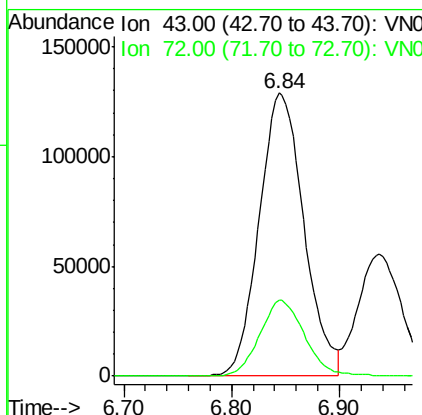
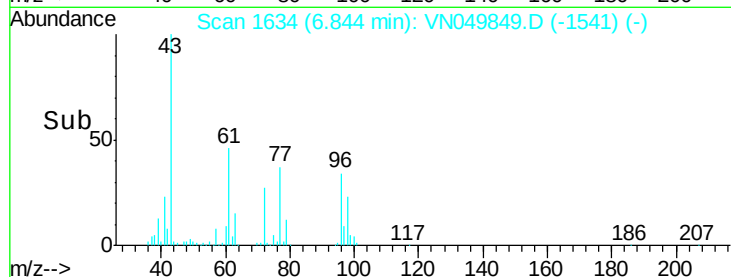
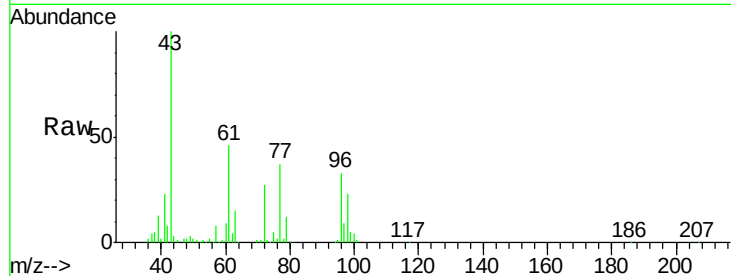
#25
2-Butanone
Concen: 109.06 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampled :
VN0717MBS01

Tot Ion: 43 Resp: 368825
Ion Ratio Lower Upper
43 100
72 27.0 22.1 33.1

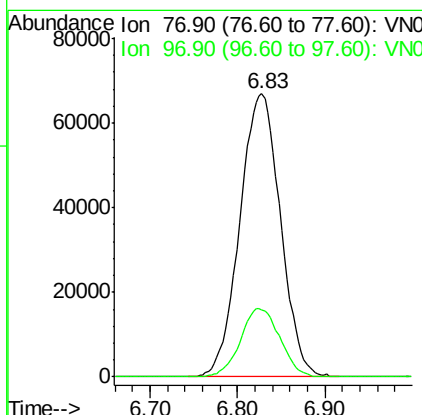
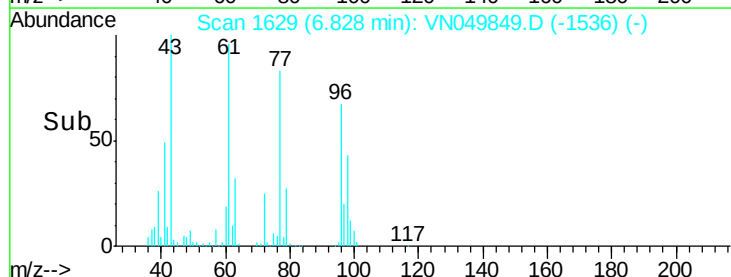
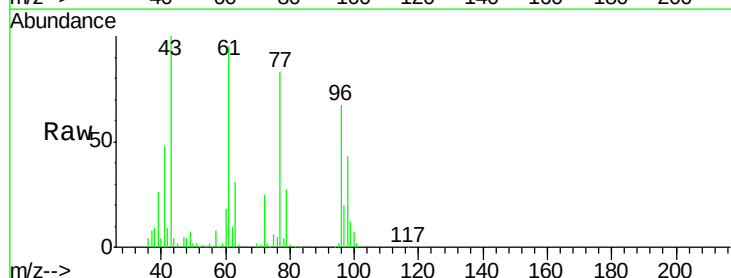
Manual Integrations
APPROVED

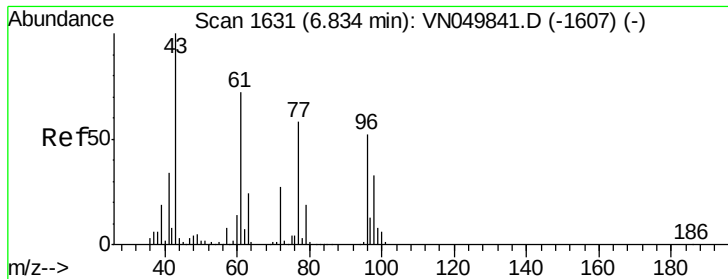
MMDadoda
7/18/2018 11:59:14 AM



#26
2,2-Dichloropropane
Concen: 21.71 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion: 77 Resp: 215138
Ion Ratio Lower Upper
77 100
97 23.5 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.84 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

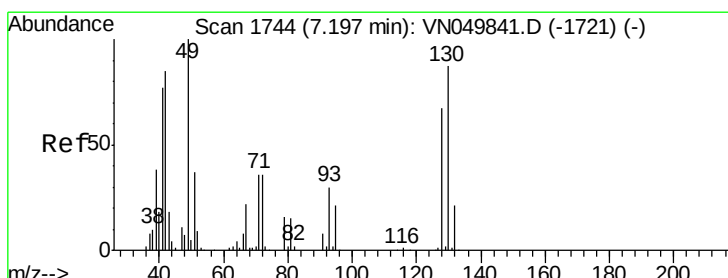
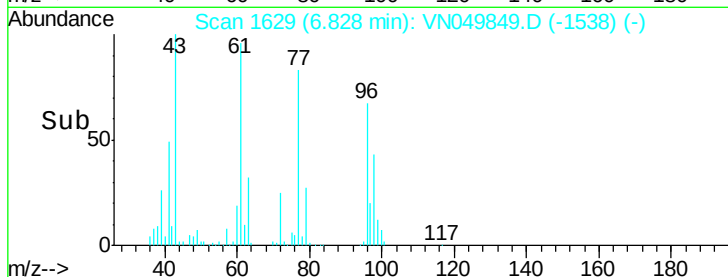
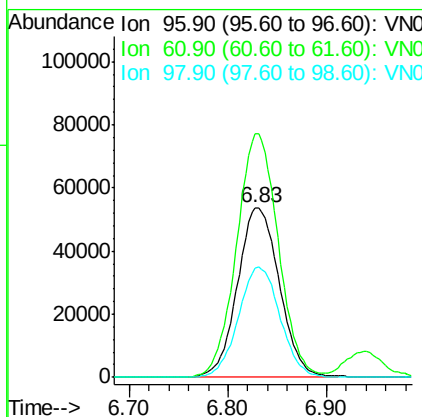
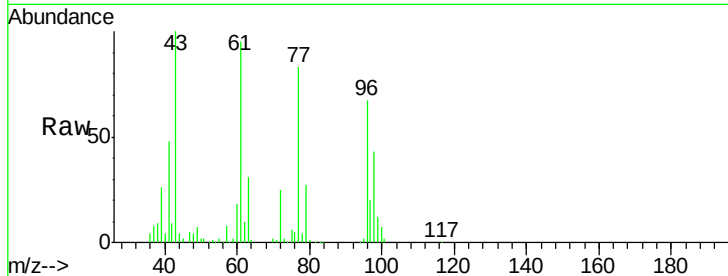
ClientSampled :

VN0717MBS01

Tot Ion:	96	Resp:	158012
Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	289.0
98	64.7	0.0	130.2

Manual Integrations
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7/18/2018 11:59:14 AM



#28

Bromochloromethane

Concen: 21.29 ug/l

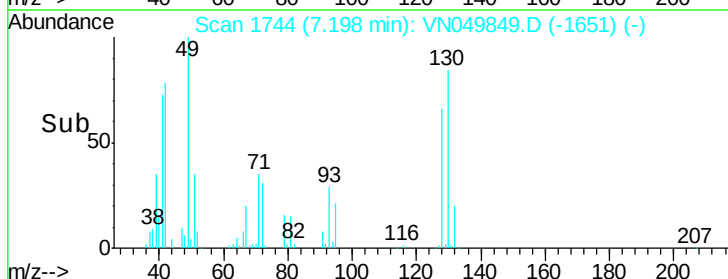
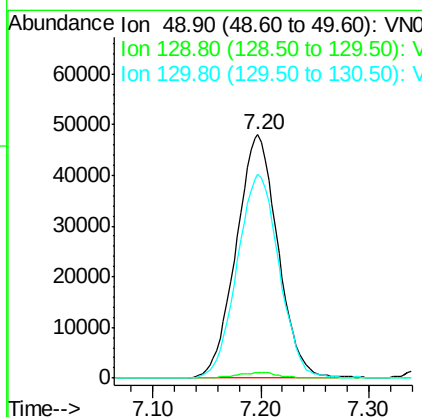
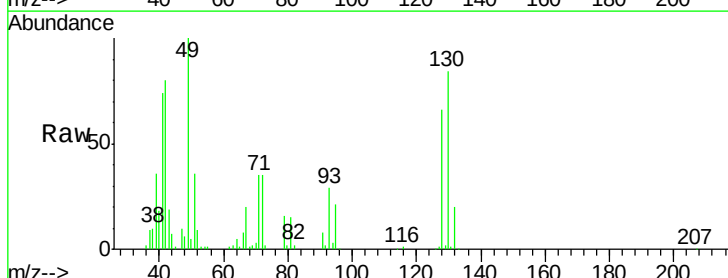
RT: 7.20 min Scan# 1744

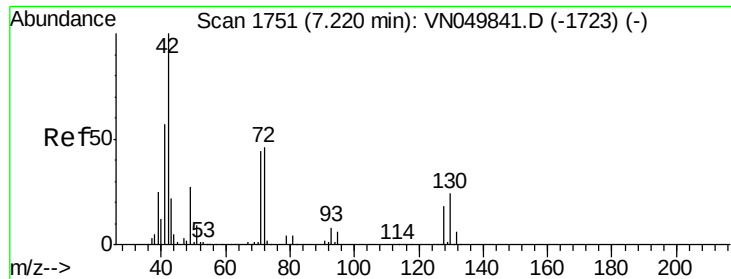
Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Tgt Ion:	49	Resp:	128632
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	84.5	65.5	98.3





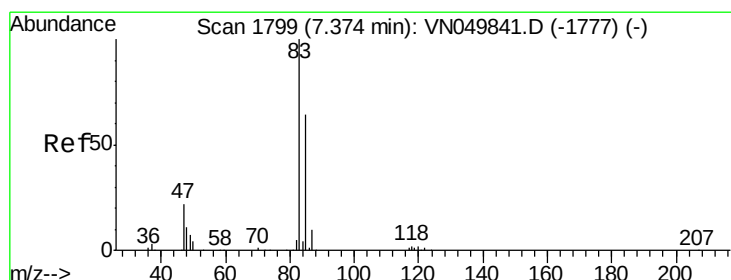
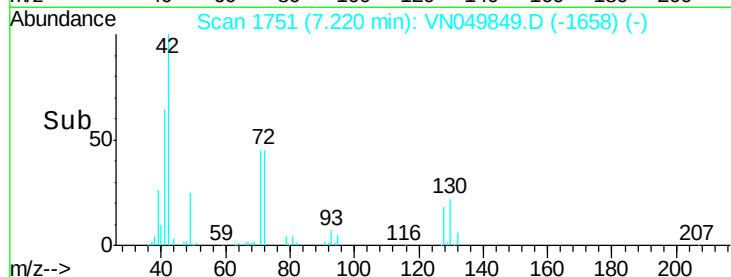
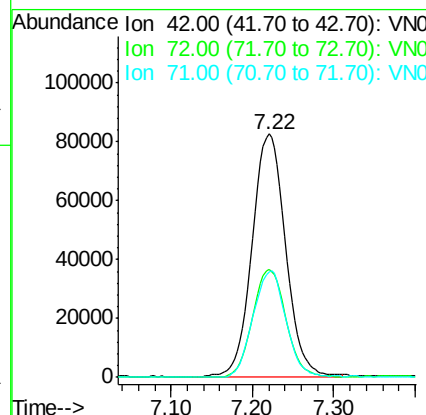
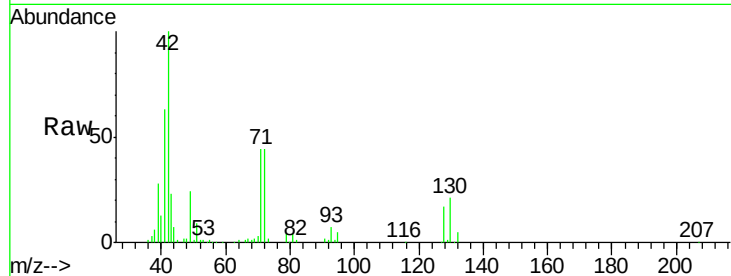
#29
Tetrahydrofuran
Concen: 109.02 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampled :
VN0717MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.6	53.4
71	42.9	34.0	51.0

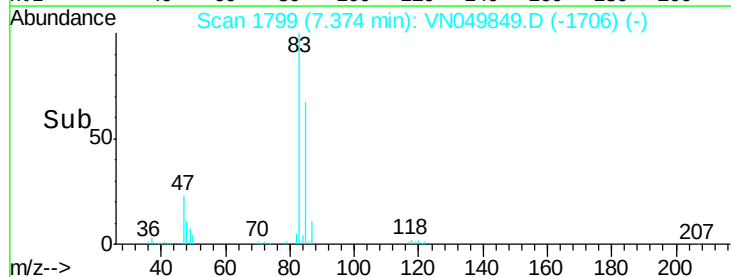
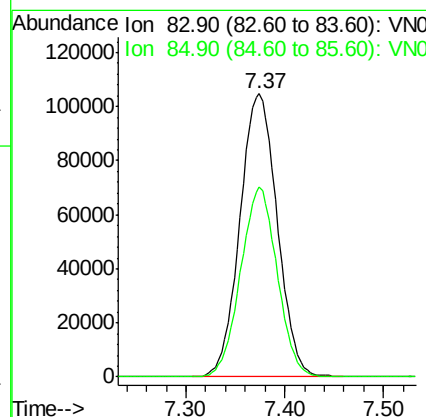
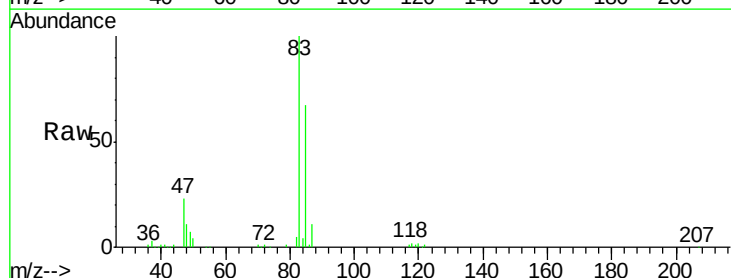
Manual Integrations
APPROVED

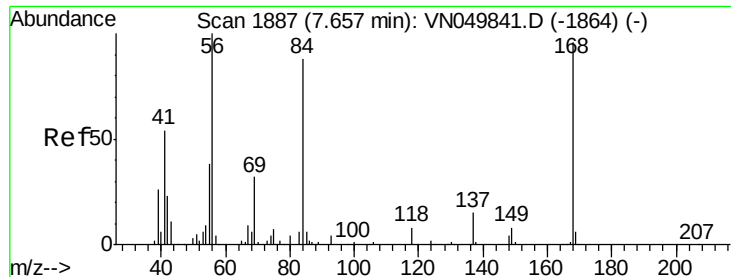
MMDadoda
7/18/2018 11:59:14 AM



#30
Chloroform
Concen: 20.43 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2





#31

Cyclohexane

Concen: 21.46 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

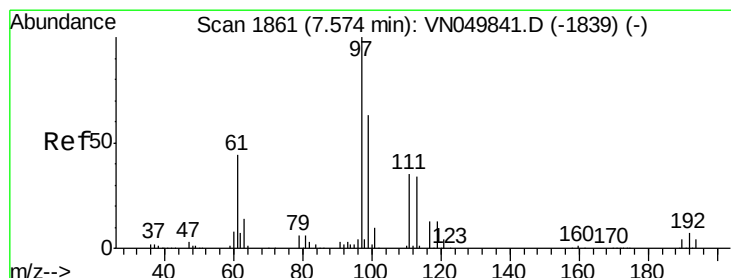
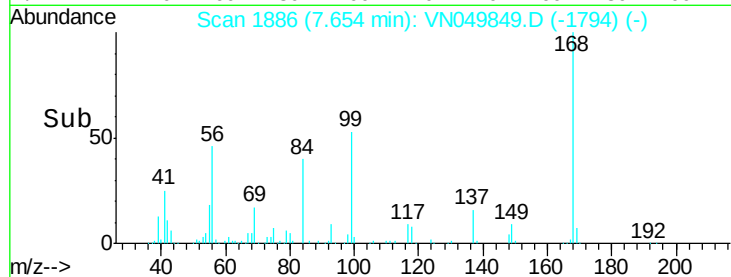
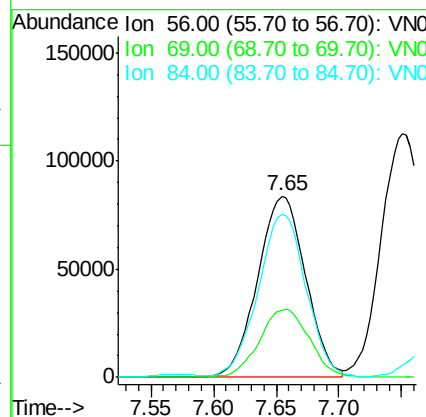
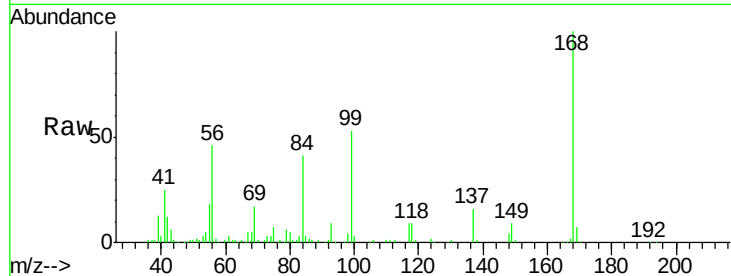
ClientSampled :

VN0717MBS01

Tot Ion:	56	Resp:	223174
Ion Ratio	Lower	Upper	
56	100		
69	37.3	26.6	40.0
84	88.6	69.0	103.6

Manual Integrations
APPROVED

MMDadoda
7/18/2018 11:59:14 AM



#32

1,1,1-Trichloroethane

Concen: 20.73 ug/l

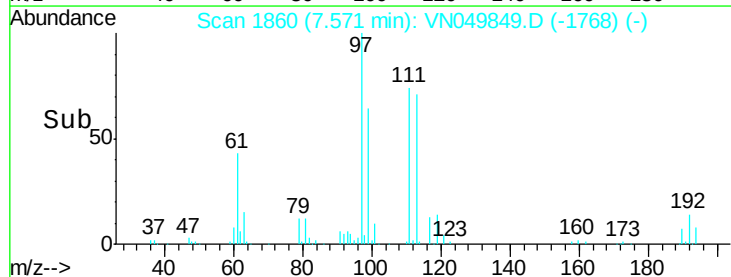
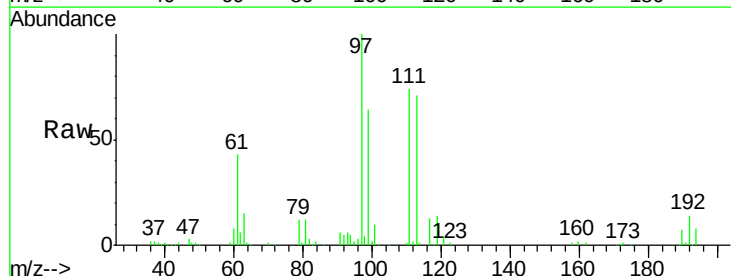
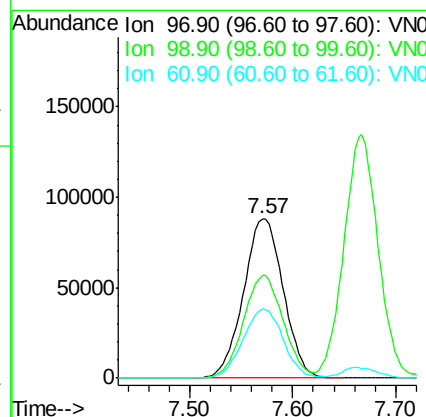
RT: 7.57 min Scan# 1860

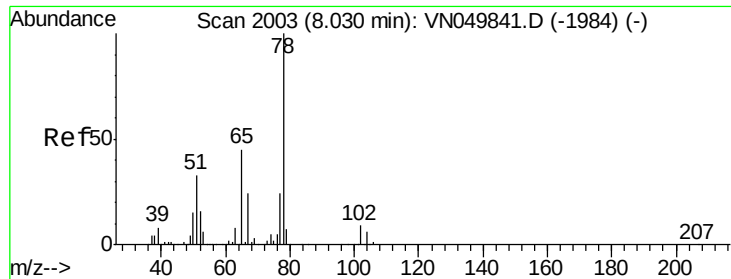
Delta R.T. -0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Tgt Ion:	97	Resp:	236591
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.0	76.4
61	43.8	35.5	53.3





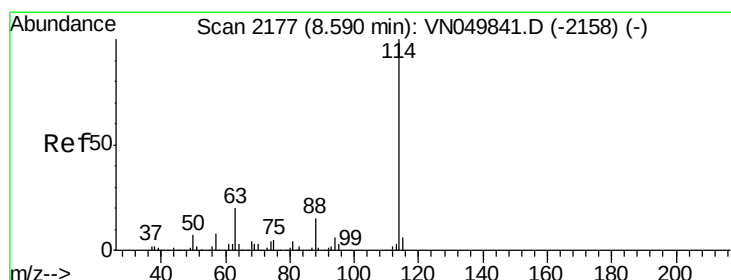
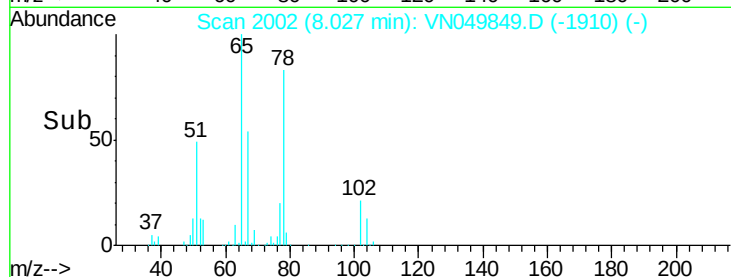
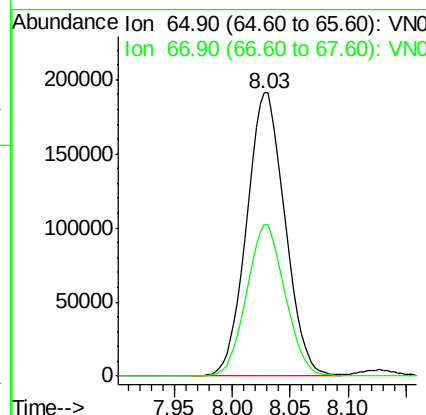
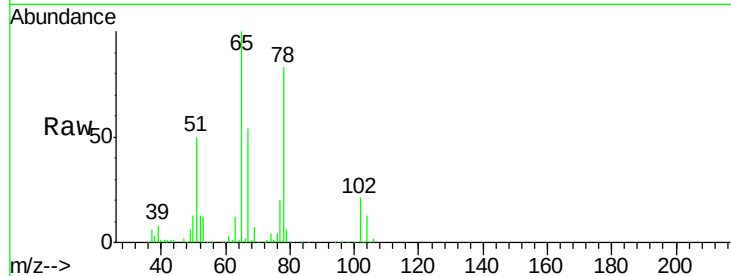
#33
 1,2-Dichloroethane-d4
 Concen: 53.73 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049849.D
 Acq: 17 Jul 2018 16:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717MBS01

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

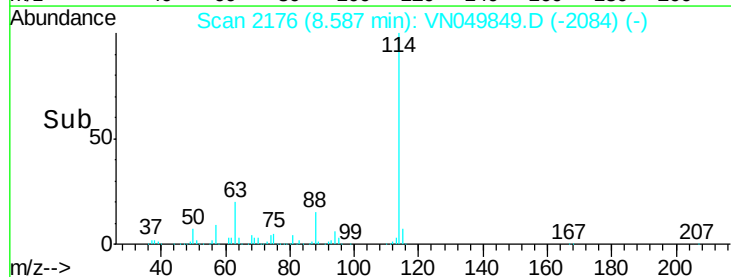
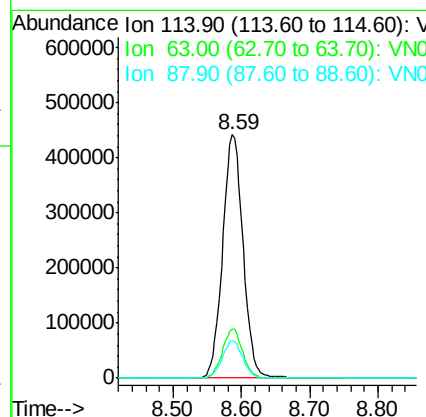
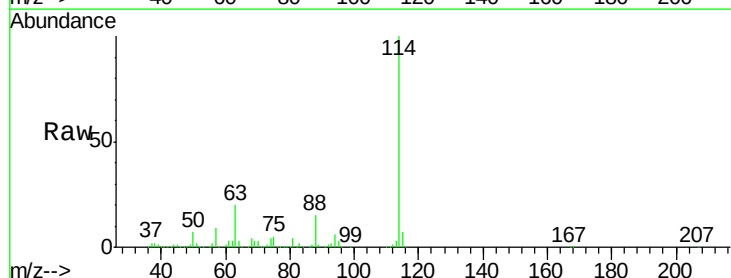
Manual Integrations
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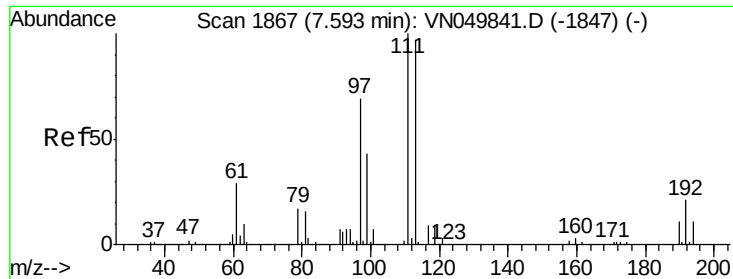
MMDadoda
 7/18/2018 11:59:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049849.D
 Acq: 17 Jul 2018 16:34

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





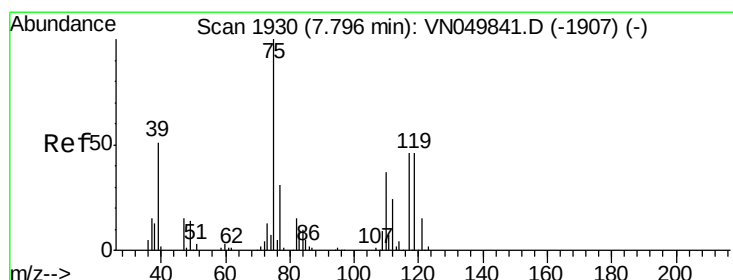
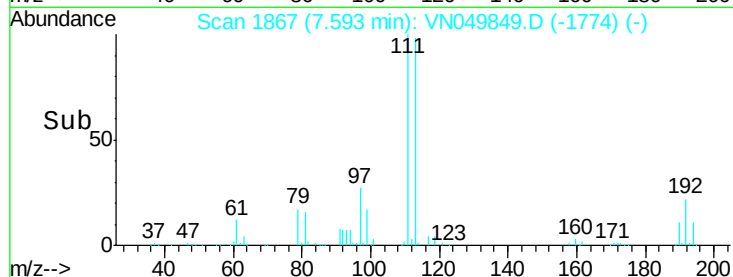
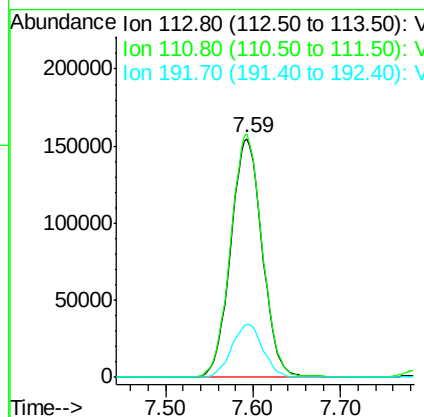
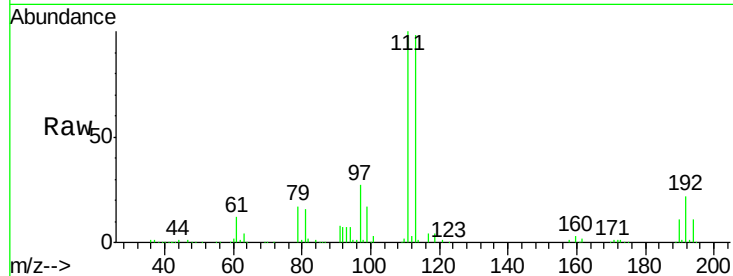
#35
Dibromofluoromethane
Concen: 53.09 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampleId :
VN0717MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.1	81.8	122.8	
192	22.0	17.8	26.6	

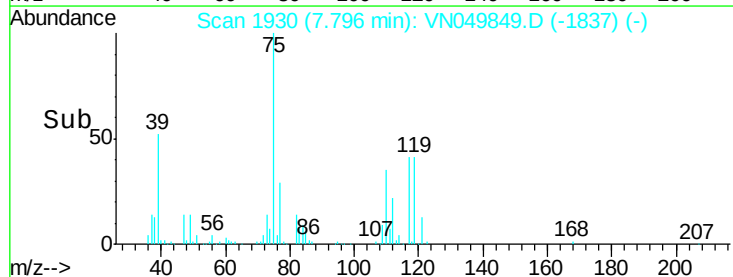
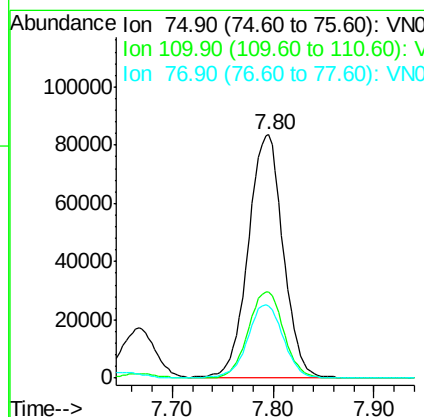
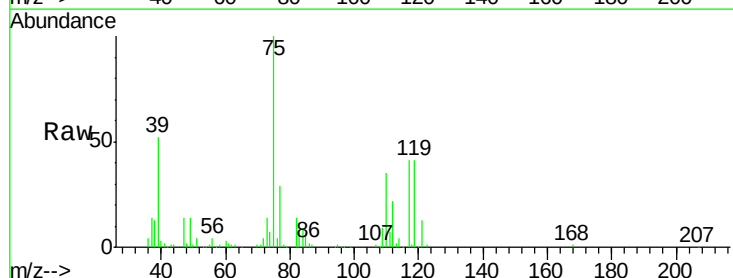
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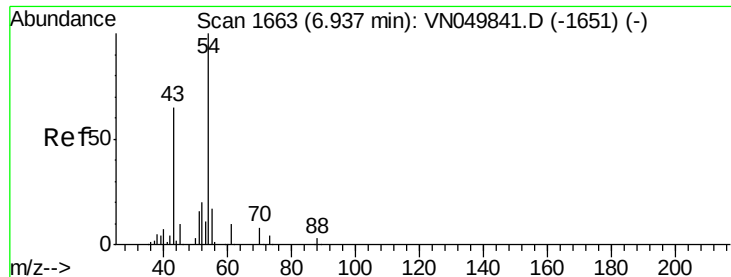
MMDadoda
7/18/2018 11:59:14 AM



#36
1,1-Dichloropropene
Concen: 20.45 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.3	18.1	54.4	
77	31.2	24.9	37.3	





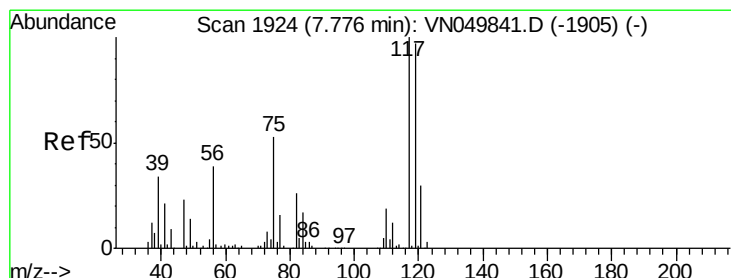
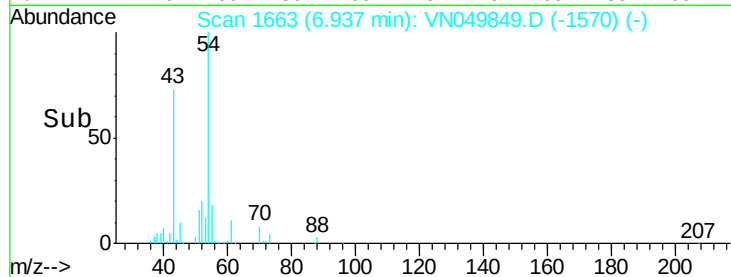
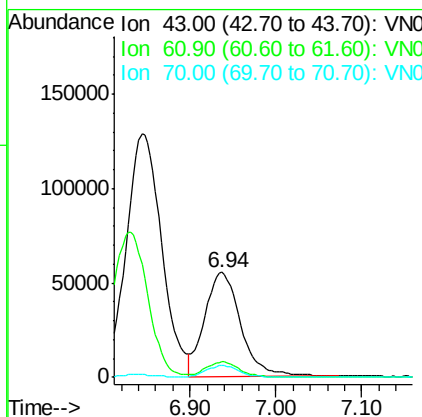
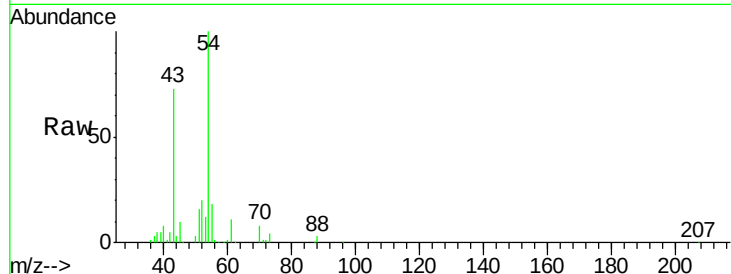
#37
Ethyl Acetate
Concen: 22.22 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampleId :
VN0717MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.7	17.5
70	10.5	8.4	12.6

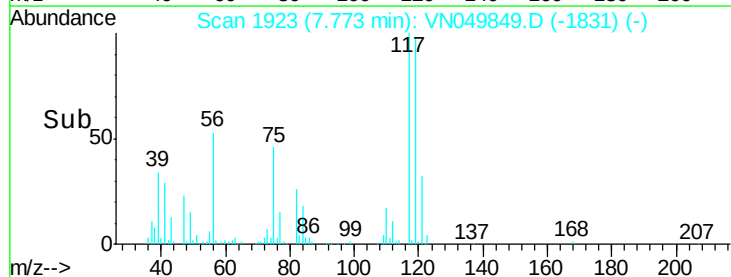
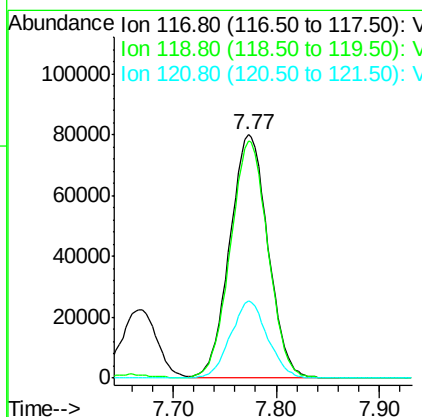
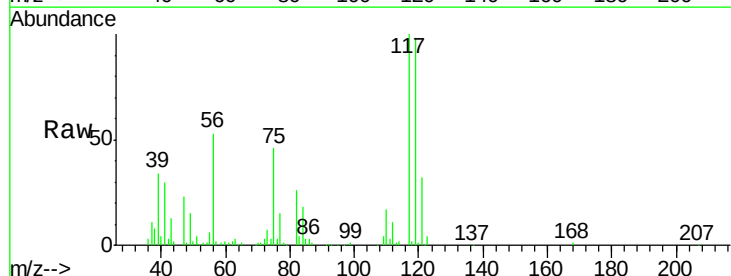
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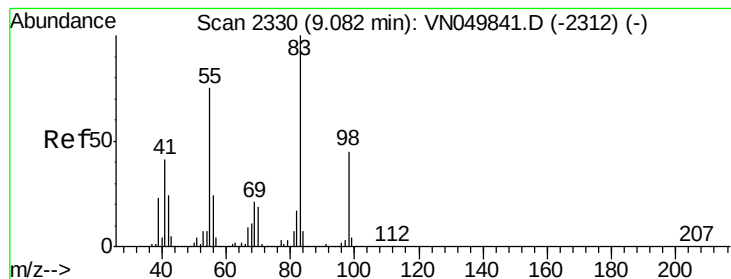
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#38
Carbon Tetrachloride
Concen: 20.12 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.2	115.8
121	31.6	25.0	37.6





#39

Methylvlcyclohexane

Concen: 20.68 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

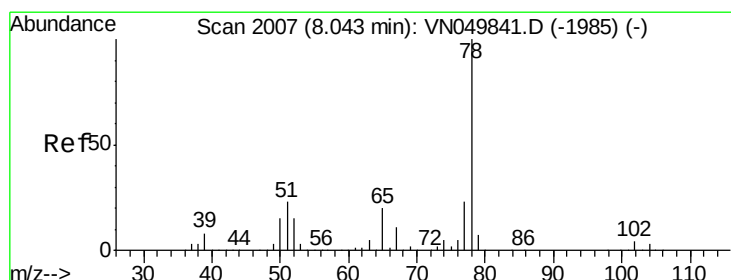
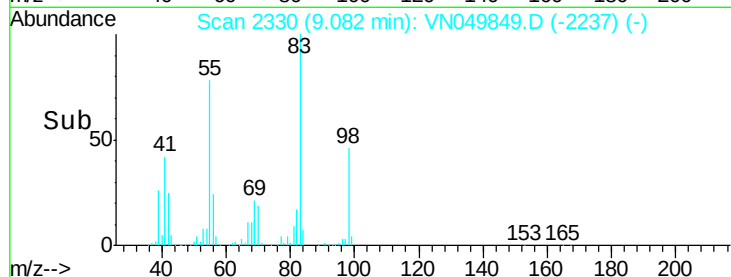
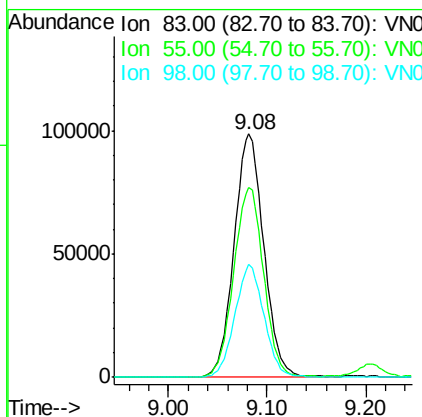
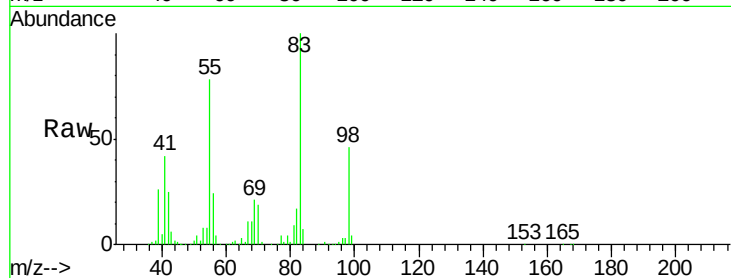
ClientSampled :

VN0717MBS01

Tot Ion:	83	Resp:	206981
Ion Ratio	Lower	Upper	
83	100		
55	78.1	59.7	89.5
98	46.3	36.5	54.7

Manual Integrations
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#40

Benzene

Concen: 20.97 ug/l

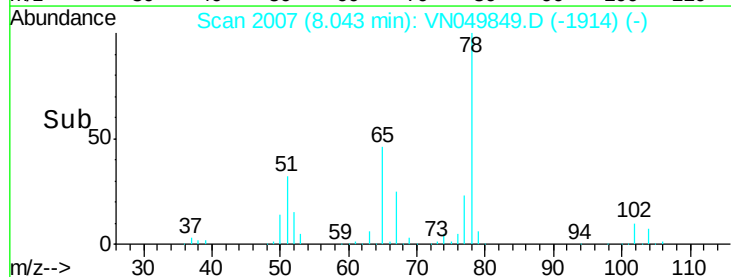
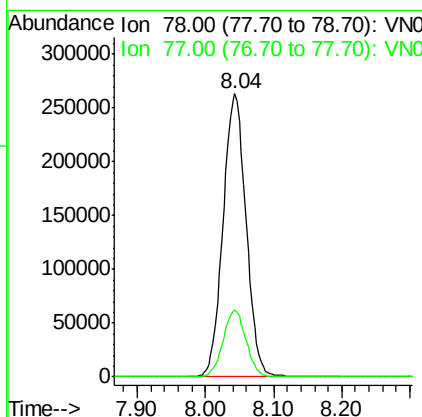
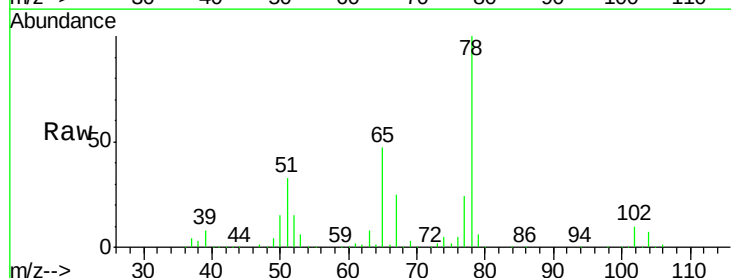
RT: 8.04 min Scan# 2007

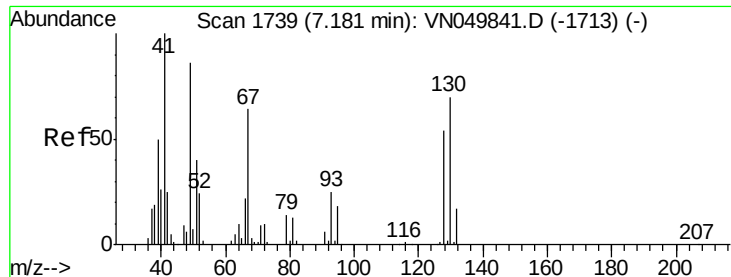
Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Tgt Ion:	78	Resp:	617735
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.0	28.4





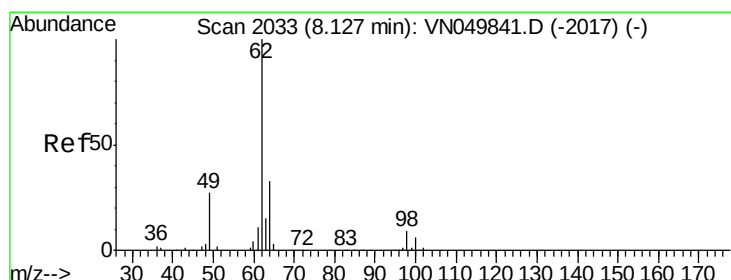
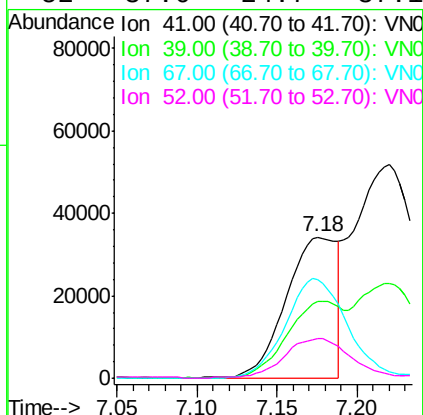
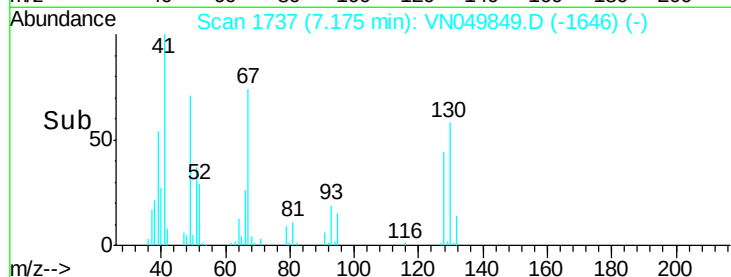
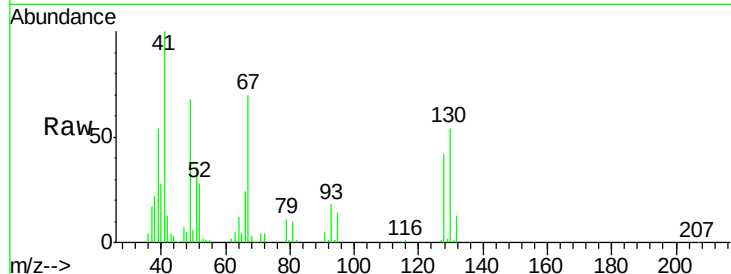
#41
Methacrylonitrile
Concen: 20.51 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampleId :
VN0717MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.0	45.4	68.2
67	86.4	65.4	98.0
52	37.6	24.7	37.1#

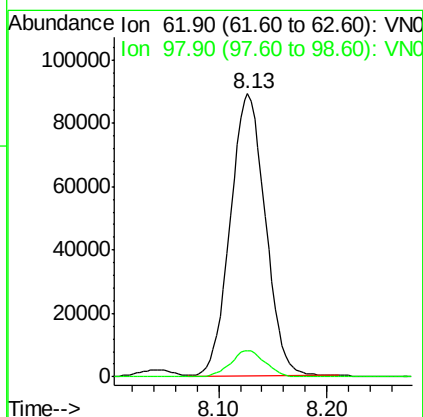
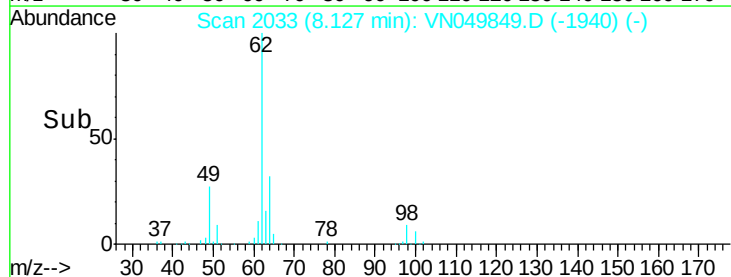
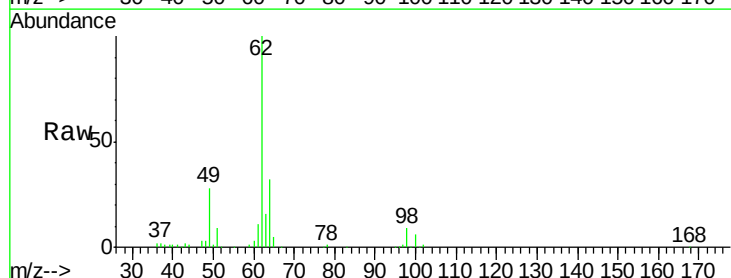
Manual Integrations
APPROVED

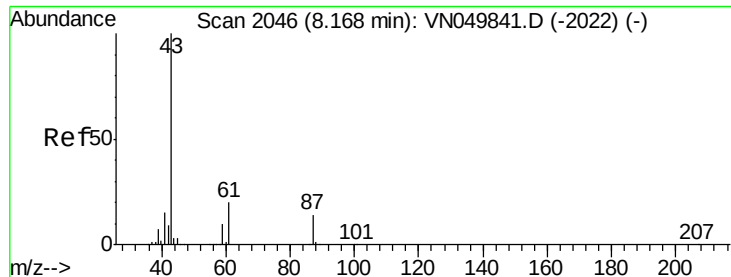
MMDadoda
7/18/2018 11:59:14 AM



#42
1,2-Dichloroethane
Concen: 20.17 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.0





#43

Isopropyl Acetate

Concen: 22.45 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

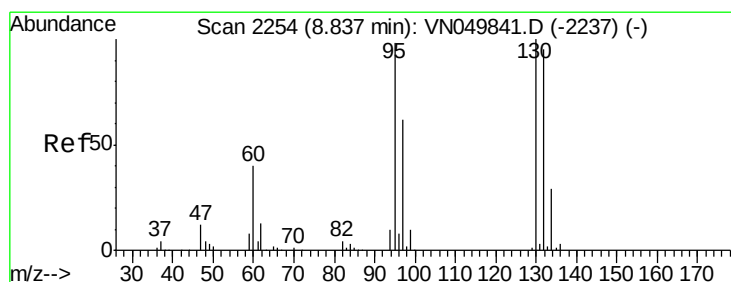
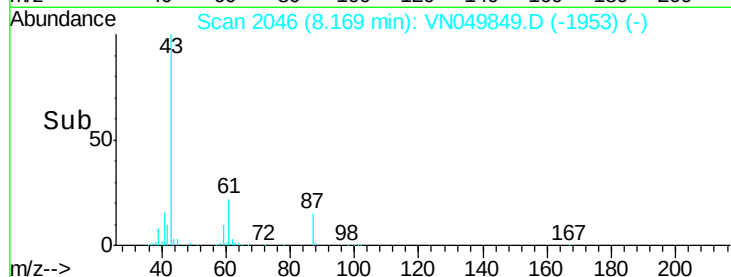
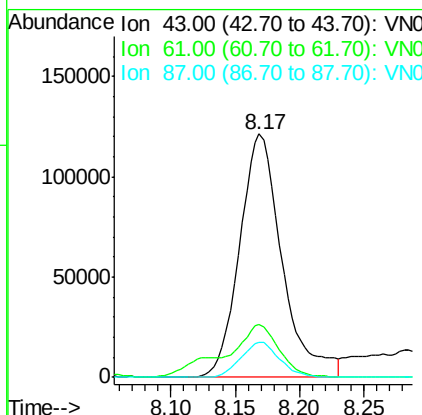
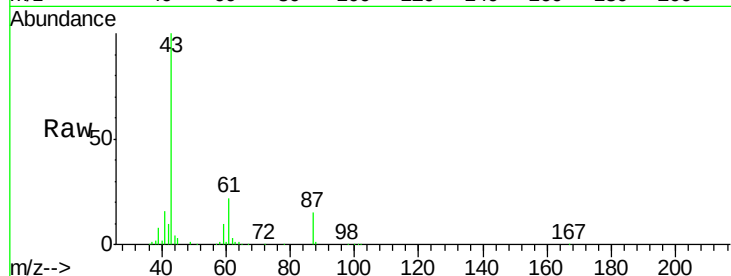
ClientSampleId :

VN0717MBS01

Tot Ion:	43	Resp:	276791
Ion	Ratio	Lower	Upper
43	100		
61	27.5	14.9	22.3#
87	13.3	10.0	15.0

Manual Integrations
APPROVED

MMDadoda
7/18/2018 11:59:14 AM



#44

Trichloroethene

Concen: 20.43 ug/l

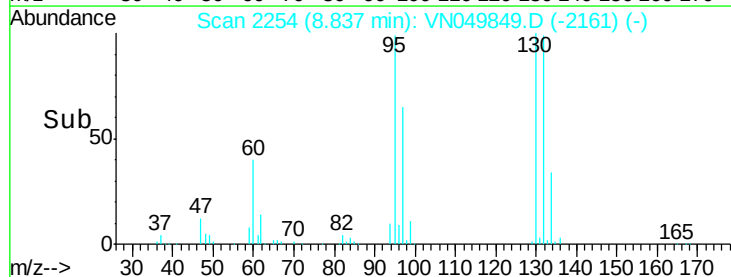
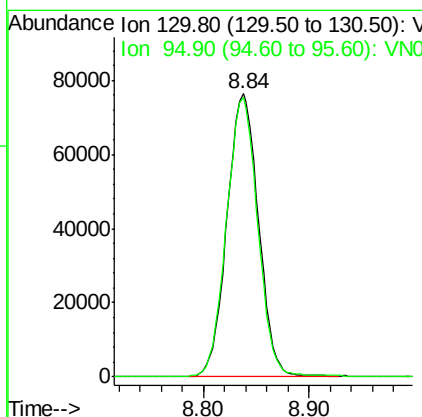
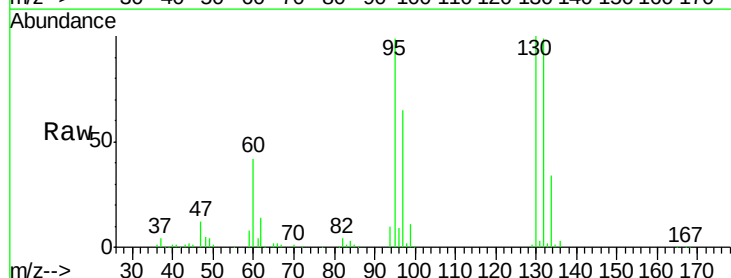
RT: 8.84 min Scan# 2254

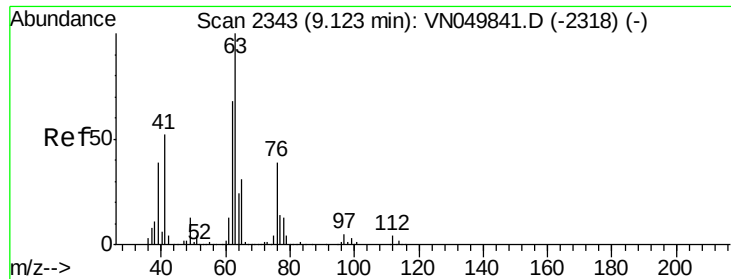
Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Tgt Ion:	130	Resp:	158295
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	192.8





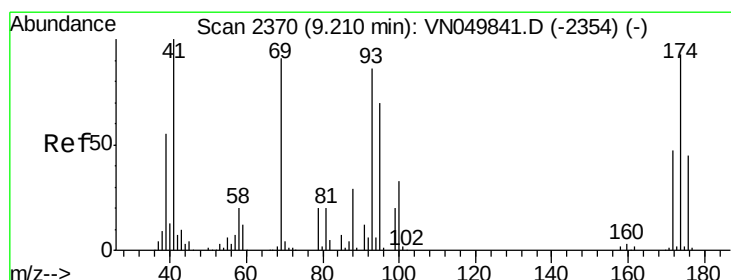
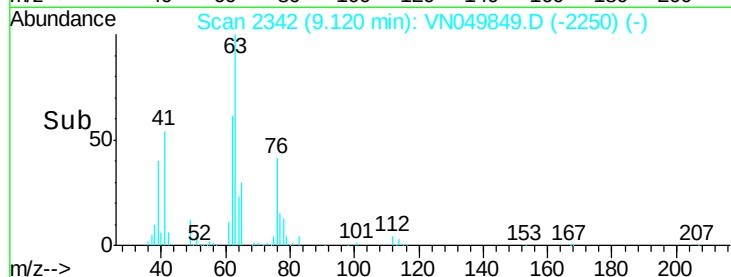
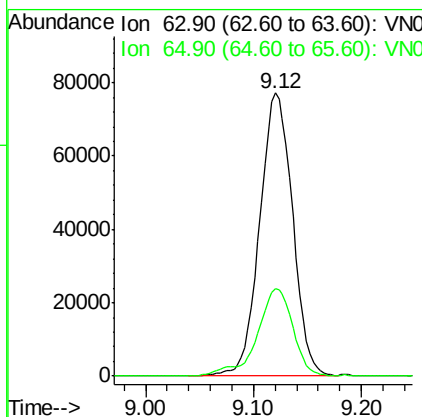
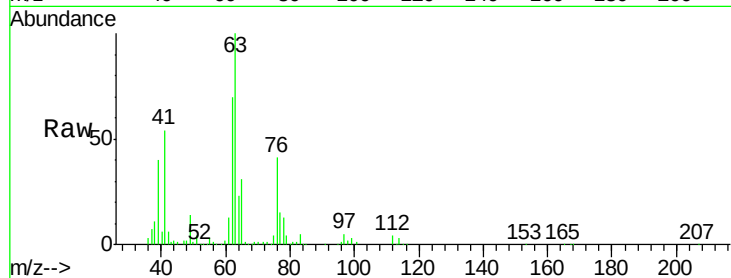
#45
 1,2-Dichloropropane
 Concen: 20.80 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049849.D
 Acq: 17 Jul 2018 16:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0717MBS01

Tot Ion: 63 Resp: 163261
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

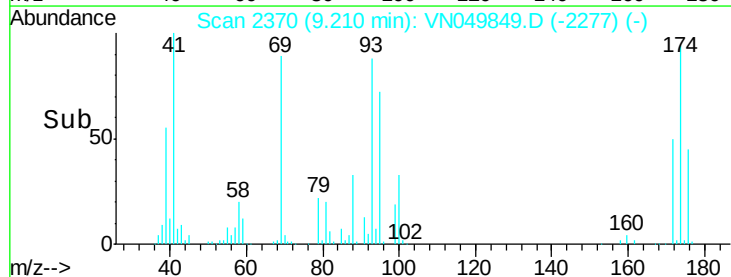
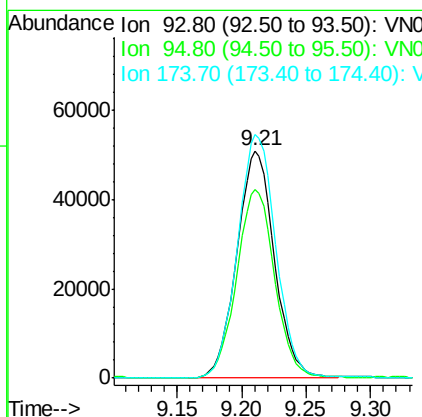
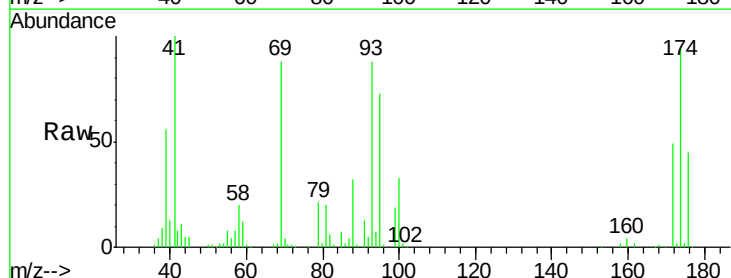
Manual Integrations
 APPROVED

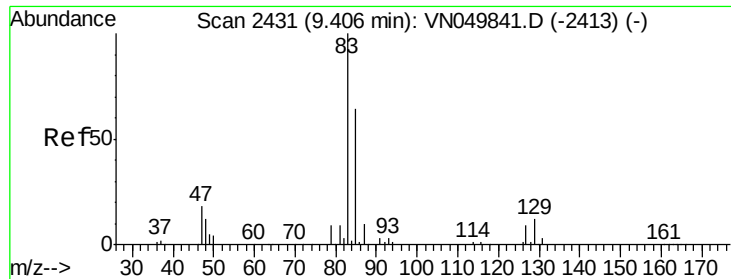
MMDadoda
 7/18/2018 11:59:14 AM



#46
 Dibromomethane
 Concen: 20.65 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049849.D
 Acq: 17 Jul 2018 16:34

Tgt Ion: 93 Resp: 103406
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.9 101.9
 174 109.1 89.4 134.0





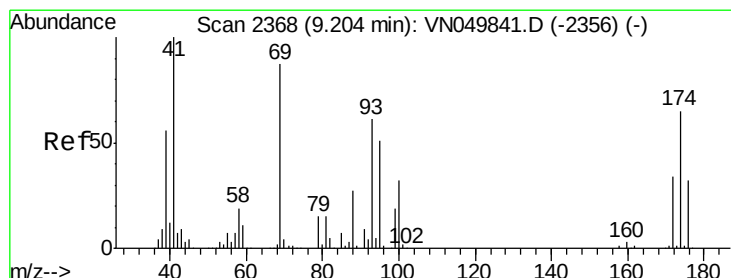
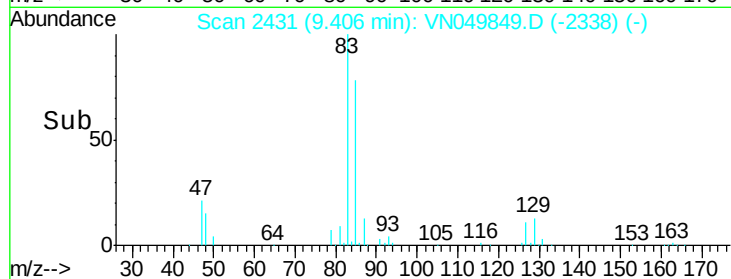
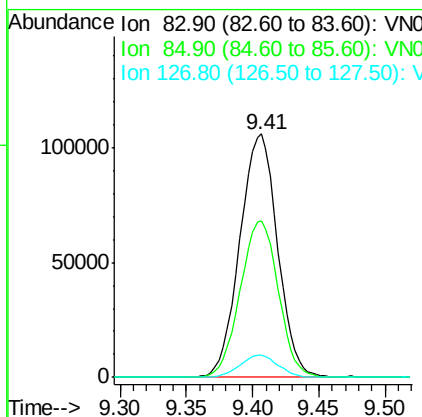
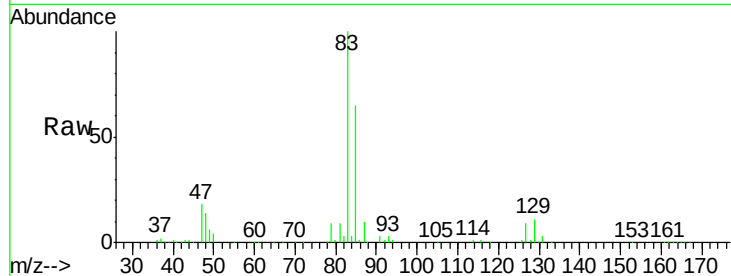
#47
Bromodichloromethane
Concen: 20.63 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampleId :
VN0717MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	209962		
85	64.5		50.5	75.7
127	9.3		6.8	10.2

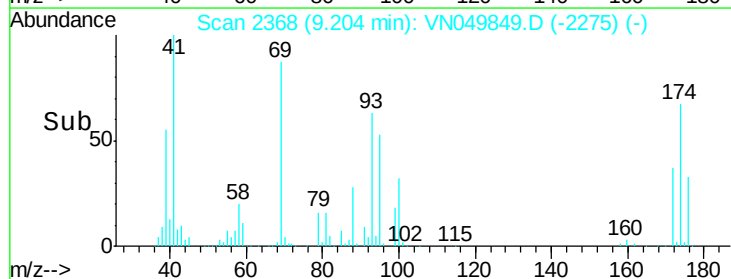
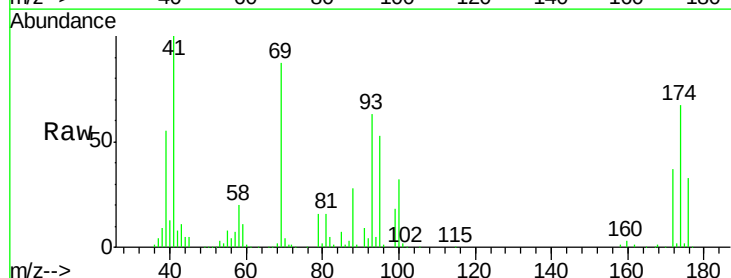
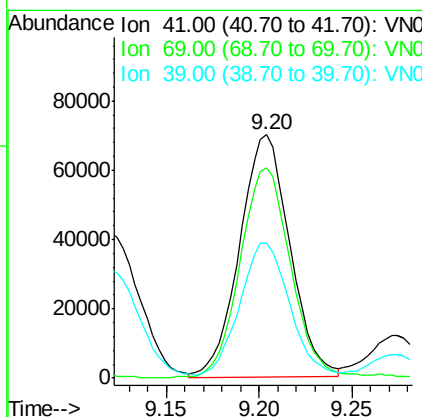
Manual Integrations
APPROVED

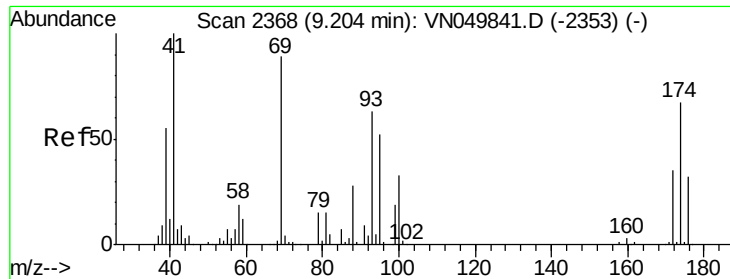
MMDadoda
7/18/2018 11:59:14 AM



#48
Methyl methacrylate
Concen: 21.57 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	131886		
69	87.8		71.5	107.3
39	55.8		44.7	67.1





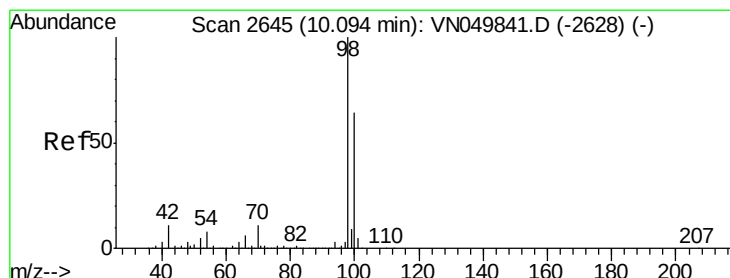
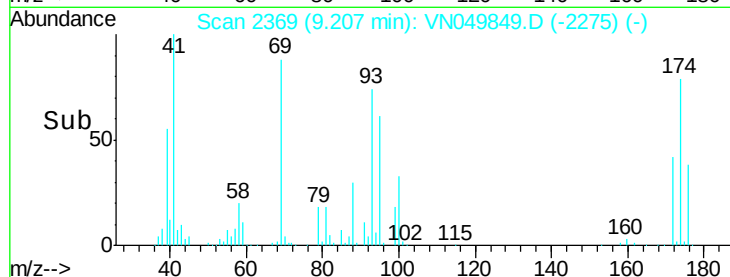
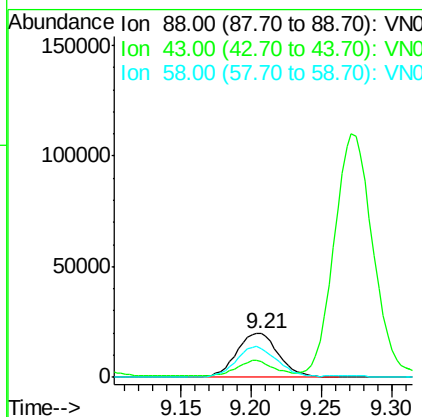
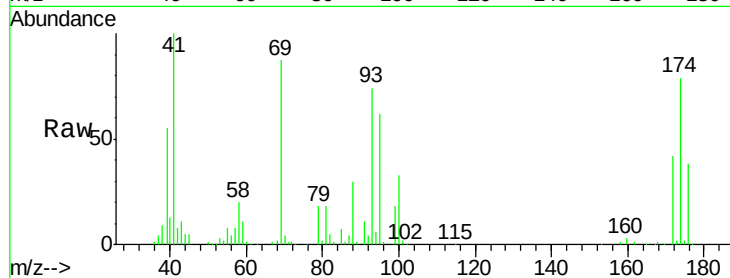
#49
1,4-Dioxane
Concen: 448.46 ug/l
RT: 9.21 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampleId :
VN0717MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	25.1	37.7
58	69.5	52.5	78.7

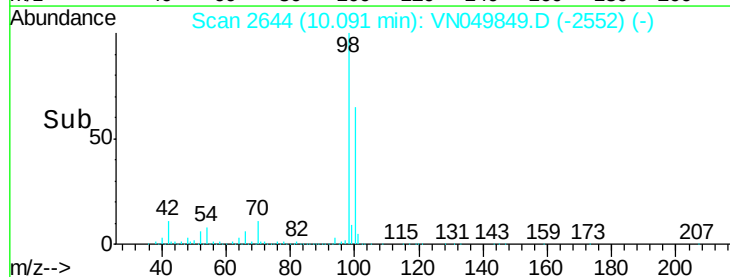
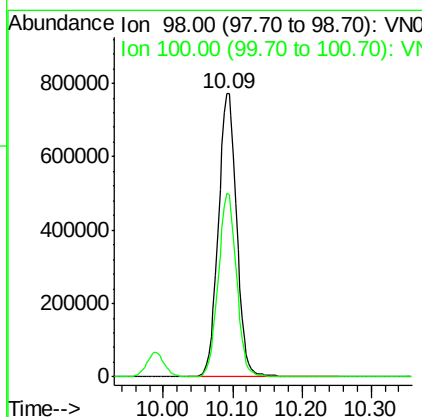
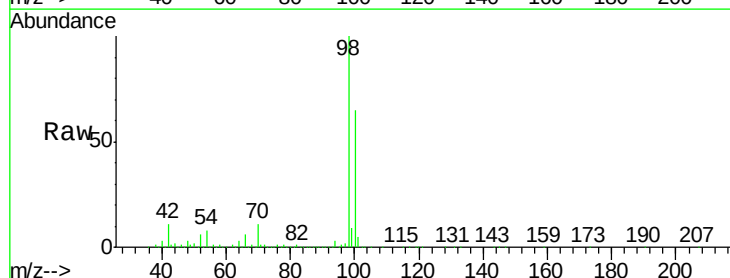
Manual Integrations
APPROVED

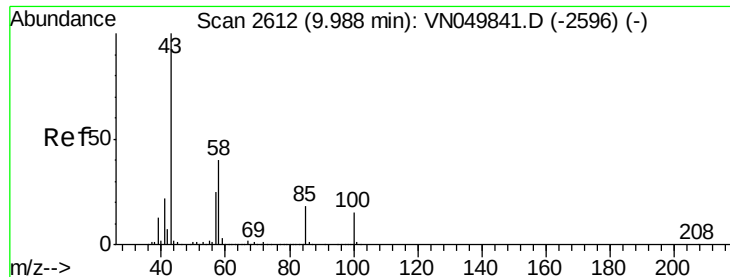
MMDadoda
7/18/2018 11:59:14 AM



#50
Toluene-d8
Concen: 53.06 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





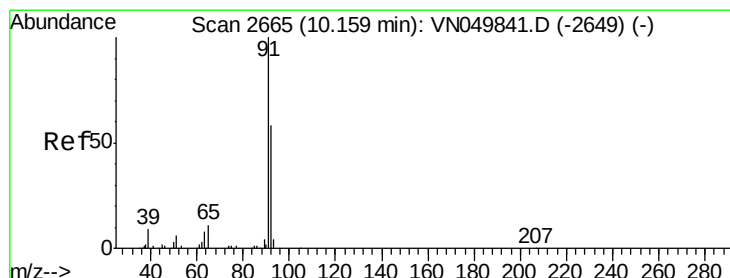
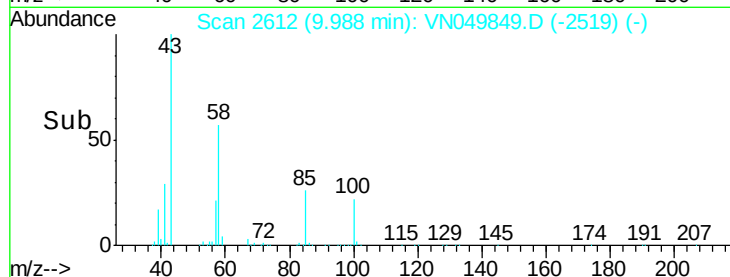
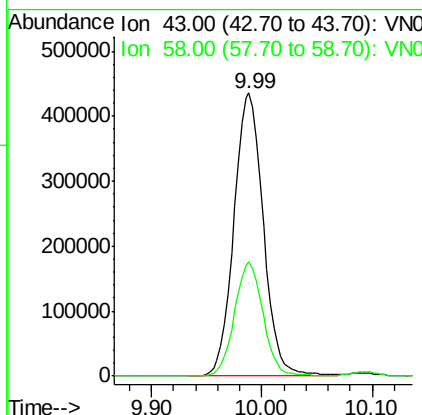
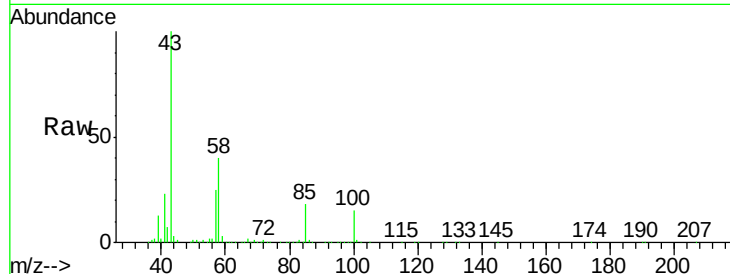
#51
4-Methyl-2-Pentanone
Concen: 110.36 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampleId :
VN0717MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.8	47.8

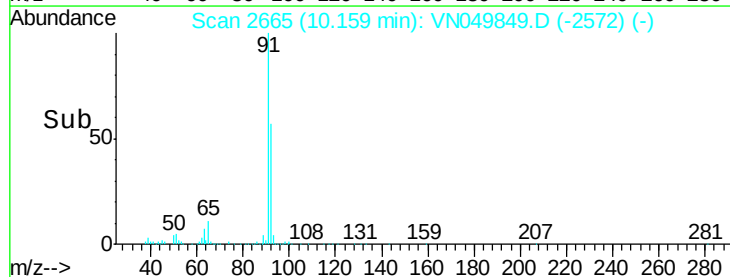
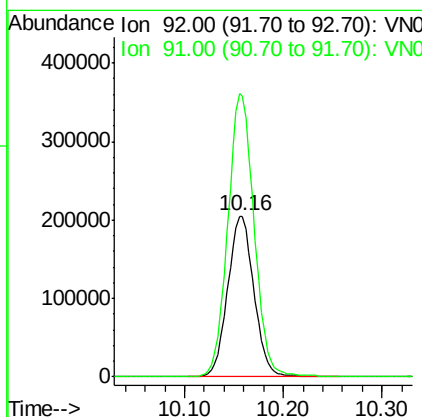
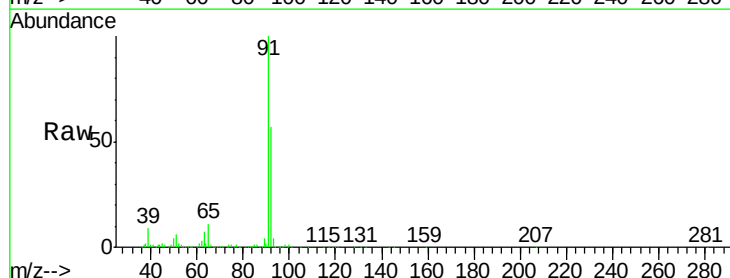
Manual Integrations
APPROVED

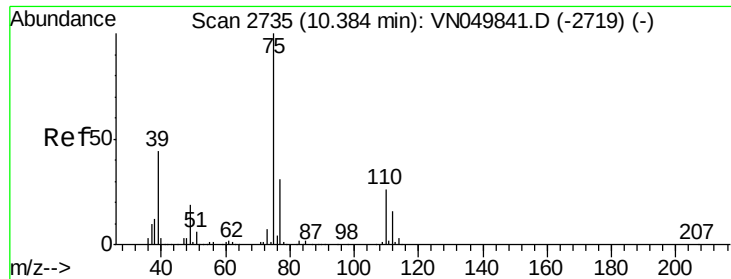
MMDadoda
7/18/2018 11:59:14 AM



#52
Toluene
Concen: 21.47 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.7	140.1	210.1





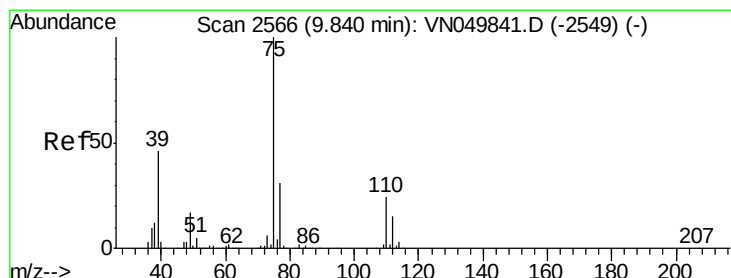
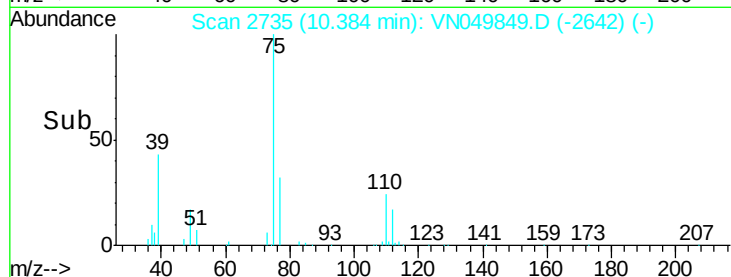
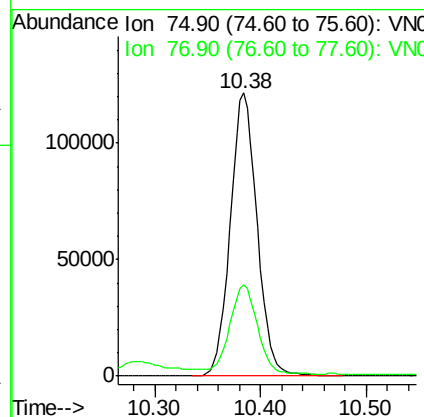
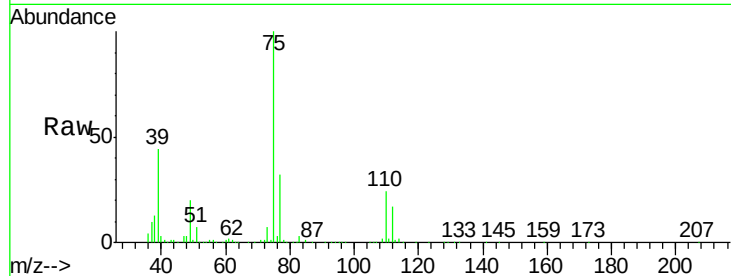
#53
t-1,3-Dichloropropene
Concen: 21.52 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampled :
VN0717MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.2	37.8

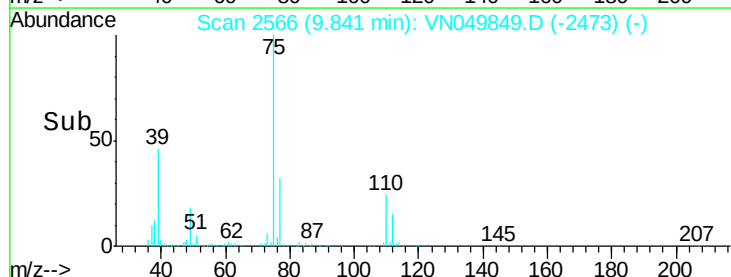
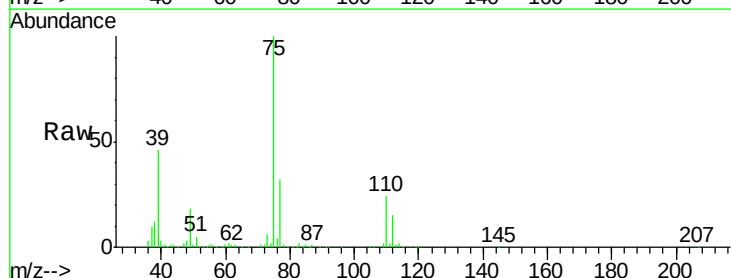
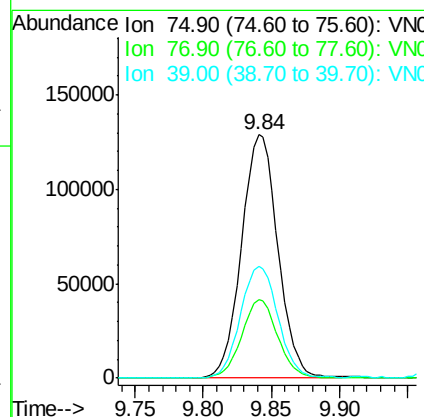
Manual Integrations
APPROVED

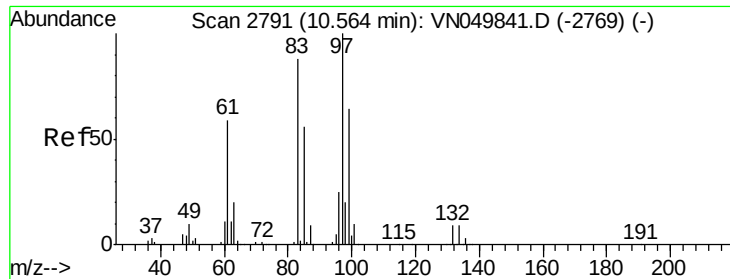
MMDadoda
7/18/2018 11:59:14 AM



#54
cis-1,3-Dichloropropene
Concen: 21.40 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.3	37.9
39	45.5	35.5	53.3





#55

1,1,2-Trichloroethane

Concen: 20.50 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

ClientSampled :

VN0717MBS01

Tot Ion: 97 Resp: 148535

Ion Ratio Lower Upper

97 100

83 84.1 69.0 103.6

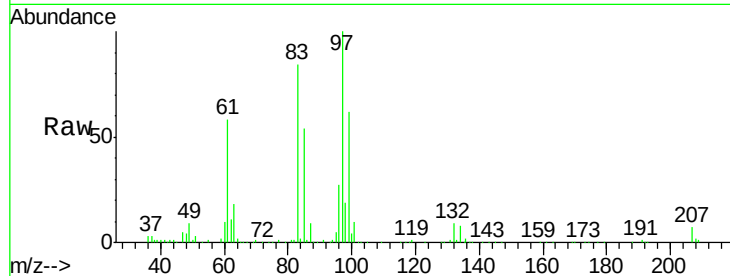
85 54.3 44.9 67.3

99 62.1 49.8 74.6

Manual Integrations
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MMDadoda

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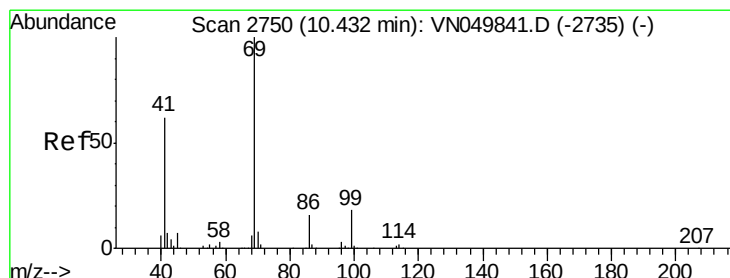
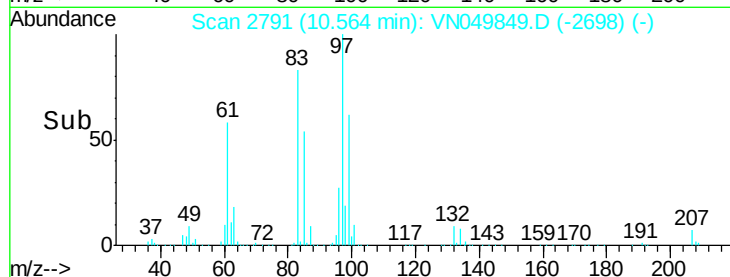
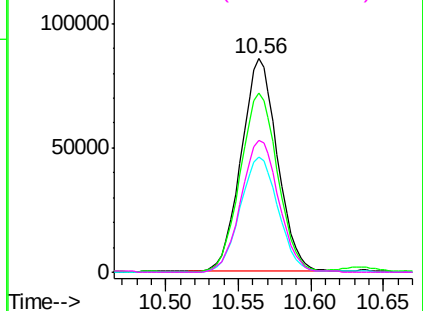


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 22.09 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

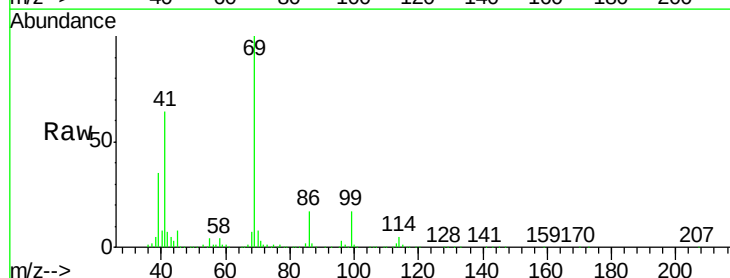
Tgt Ion: 69 Resp: 193831

Ion Ratio Lower Upper

69 100

41 64.6 51.6 77.4

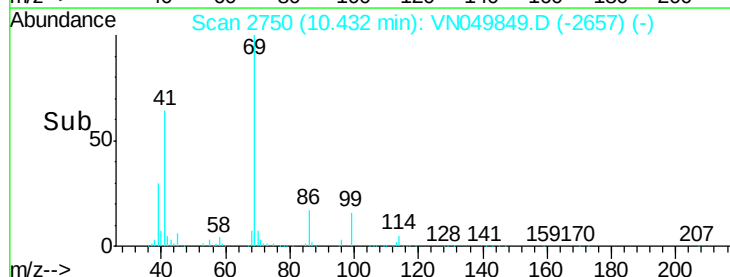
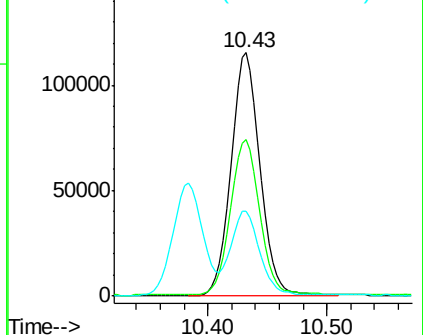
39 33.9 25.8 38.8

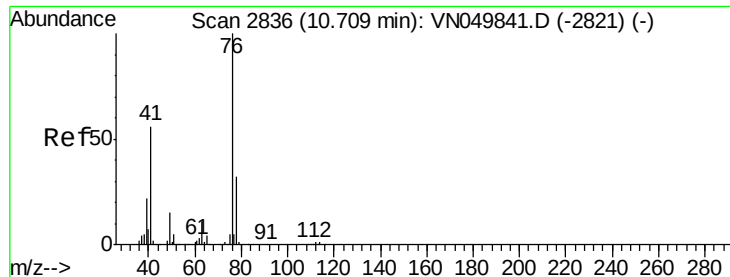


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.23 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

ClientSampleId :

VN0717MBS01

Tot Ion: 76 Resp: 249106

Ion Ratio Lower Upper

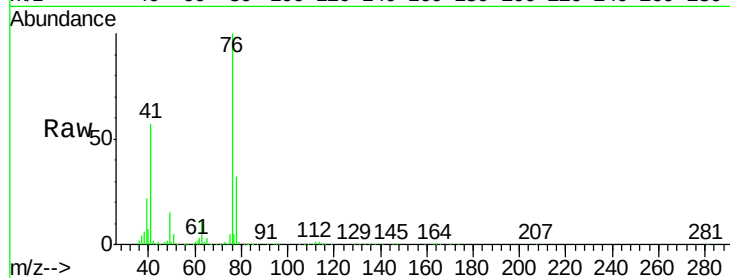
76 100

78 31.9 25.8 38.8

Manual Integrations
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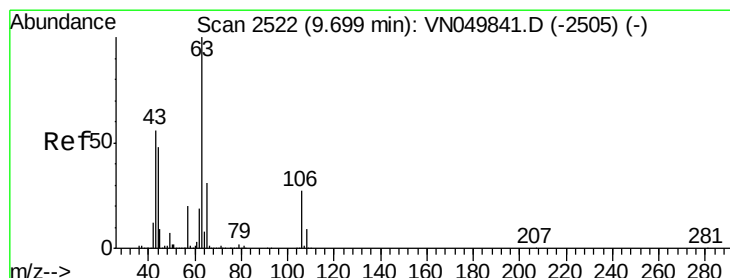
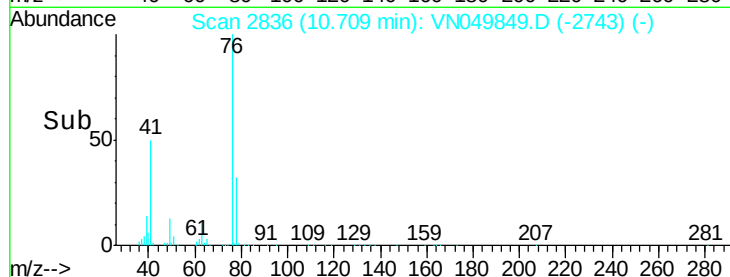
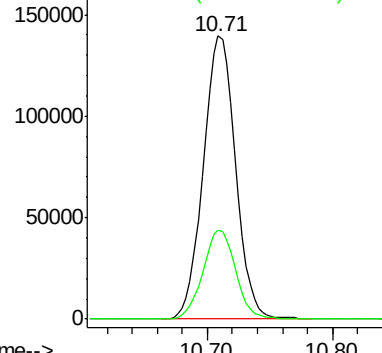
MMDadoda

7/18/2018 11:59:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 110.79 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN049849.D

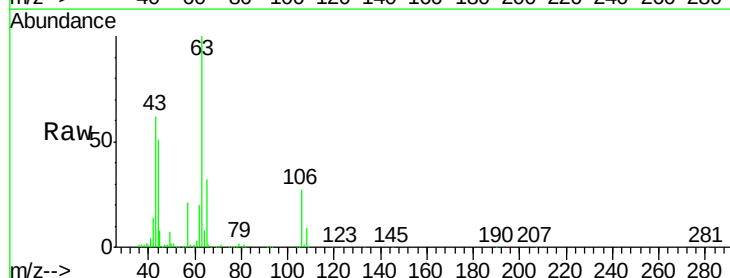
Acq: 17 Jul 2018 16:34

Tgt Ion: 63 Resp: 458842

Ion Ratio Lower Upper

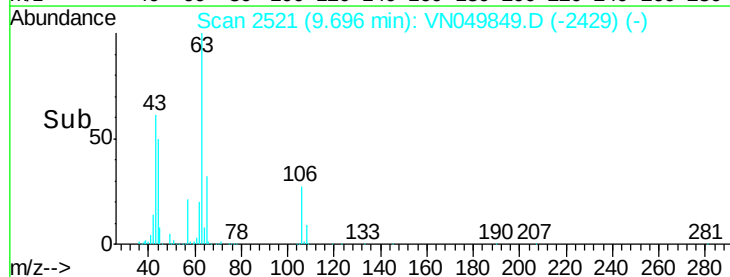
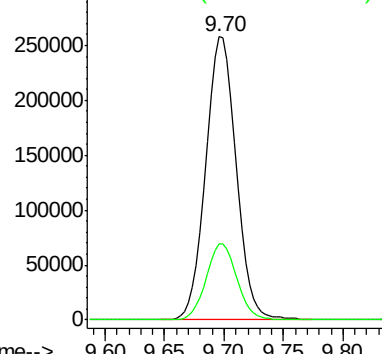
63 100

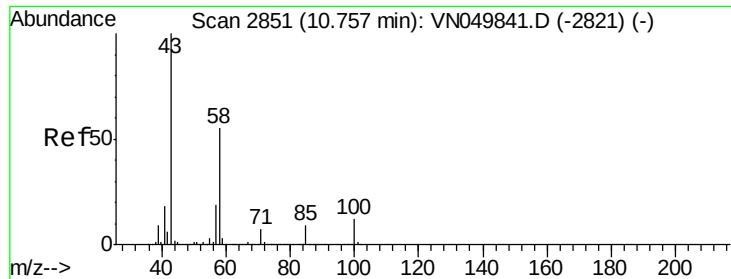
106 27.3 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





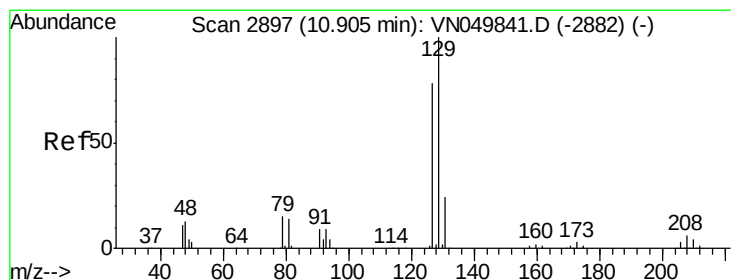
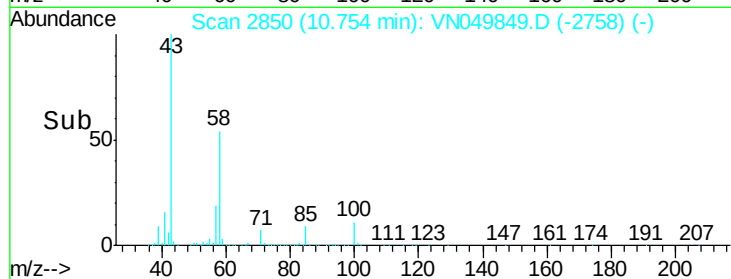
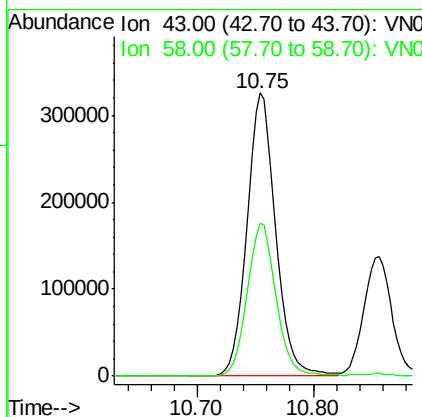
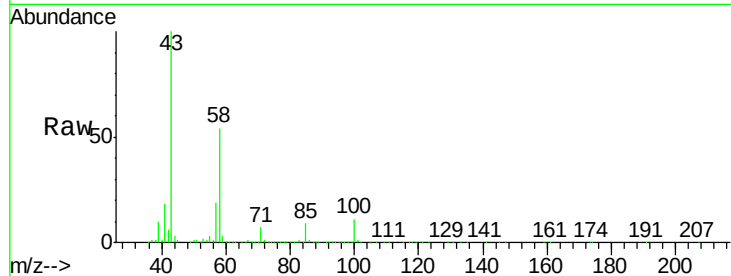
#59
2-Hexanone
Concen: 112.51 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampleId :
VN0717MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	27.8	83.4

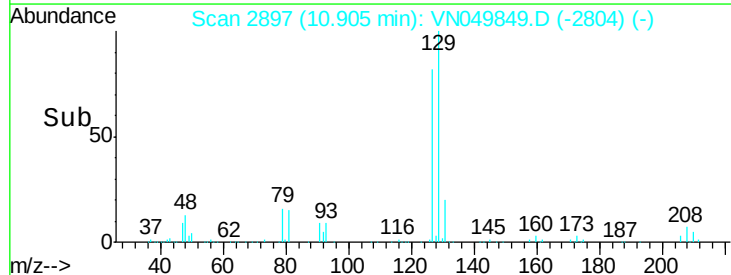
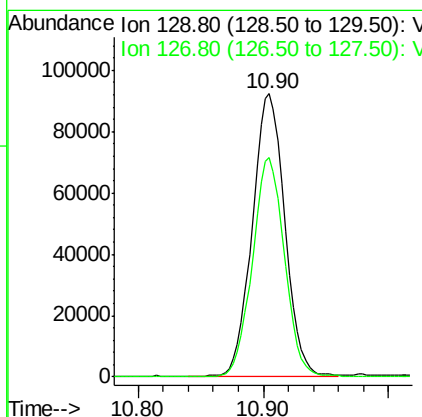
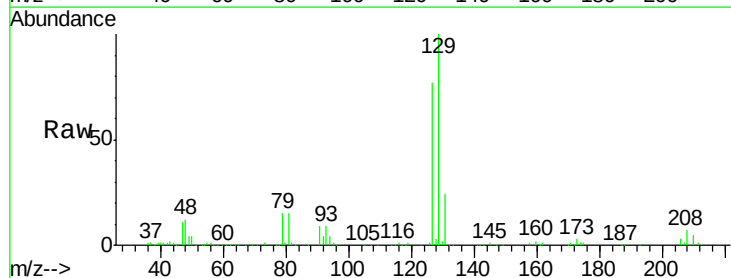
Manual Integrations
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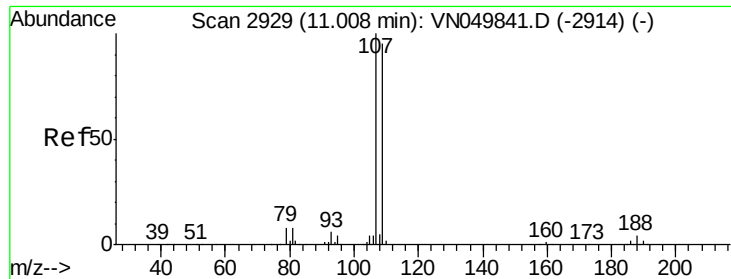
MMDadoda
7/18/2018 11:59:14 AM



#60
Dibromochloromethane
Concen: 20.61 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.3	114.9





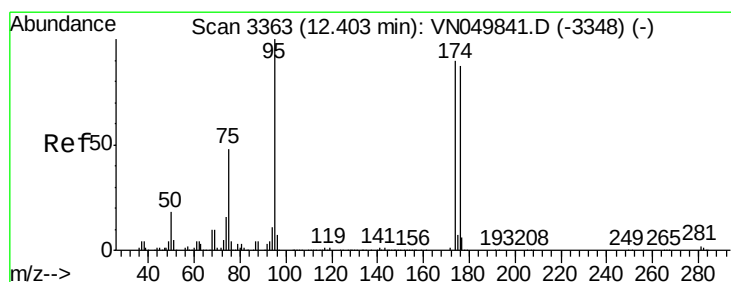
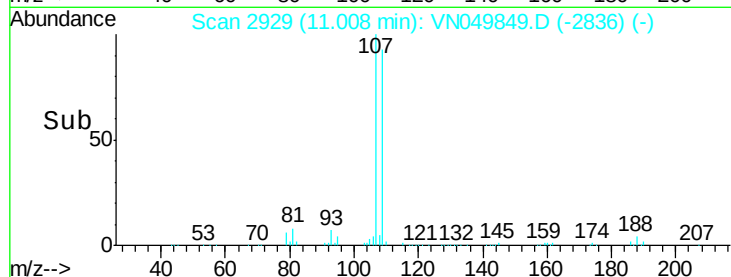
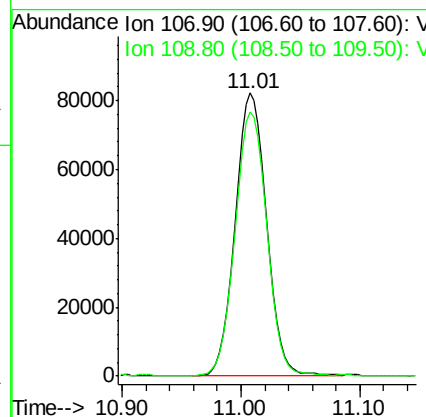
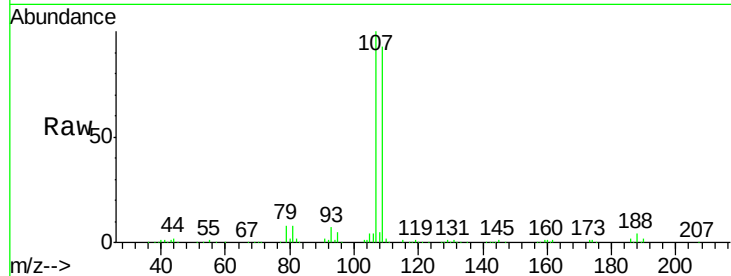
#61
 1,2-Dibromoethane
 Concen: 21.16 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049849.D
 Acq: 17 Jul 2018 16:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.0	112.6

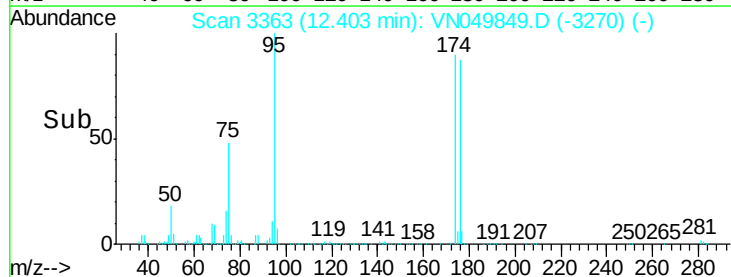
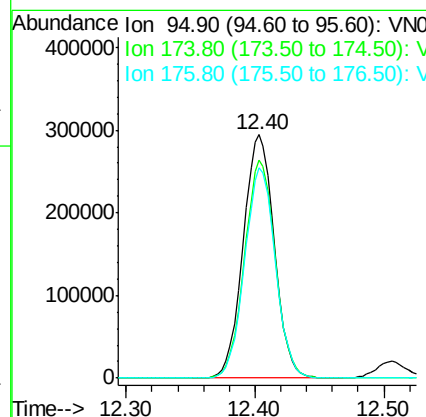
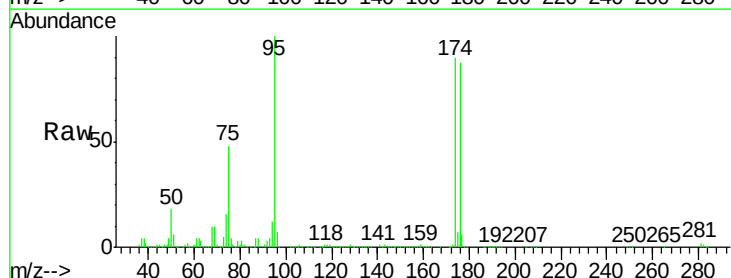
Manual Integrations
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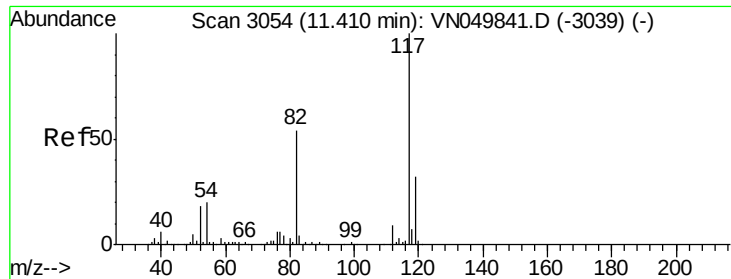
MMDadoda
 7/18/2018 11:59:14 AM



#62
 4-Bromofluorobenzene
 Concen: 54.73 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049849.D
 Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	179.6
176	86.1	0.0	174.0





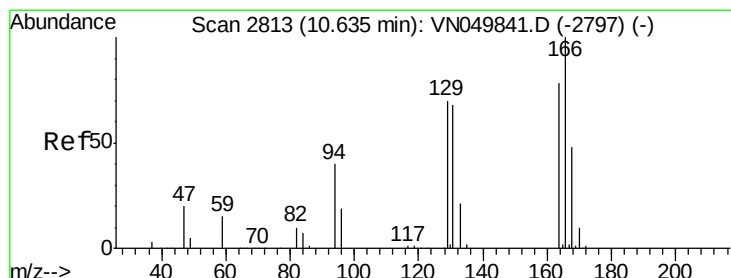
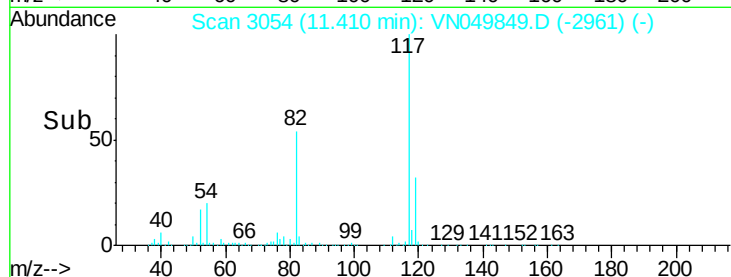
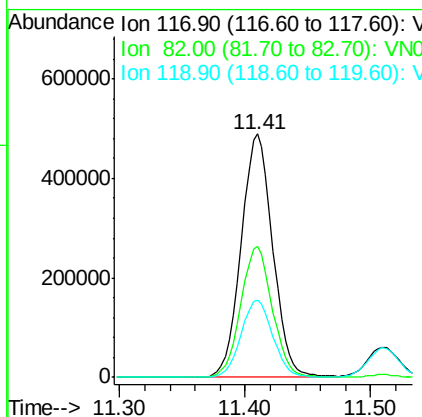
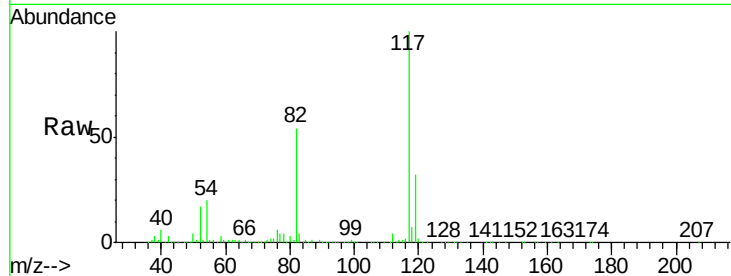
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampleId :
VN0717MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	41.9	62.9
119	31.9	25.4	38.2

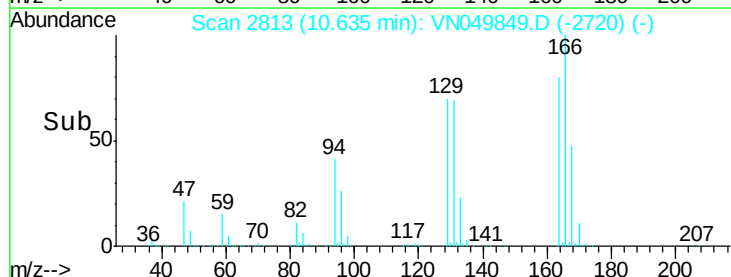
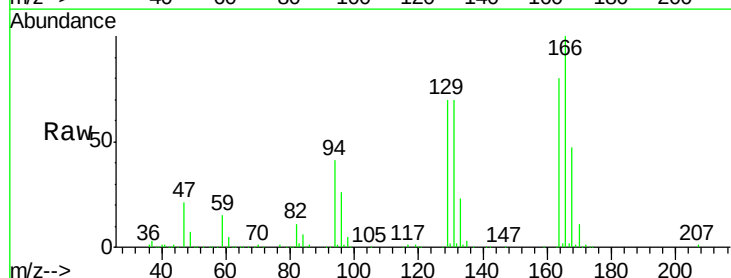
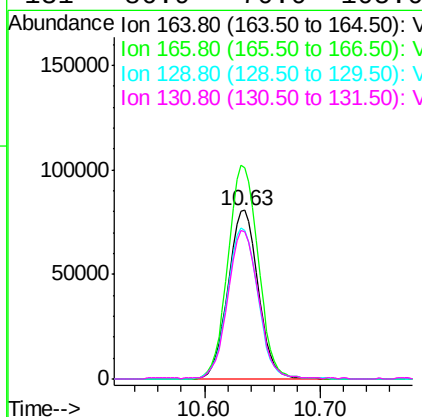
Manual Integrations
APPROVED

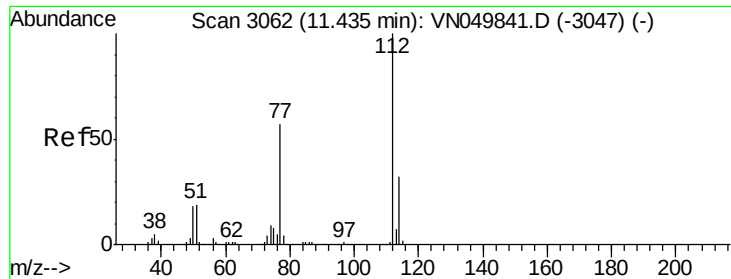
MMDadoda
7/18/2018 11:59:14 AM



#64
Tetrachloroethene
Concen: 19.91 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	101.8	152.6
129	87.4	72.8	109.2
131	86.9	70.0	105.0





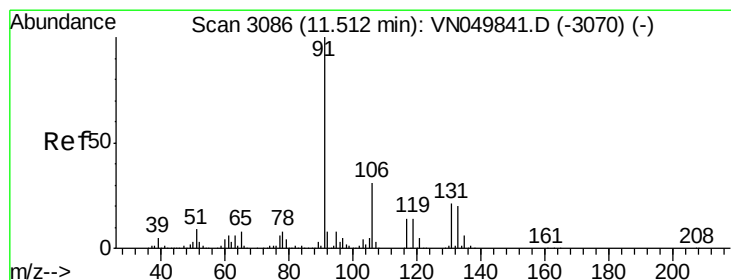
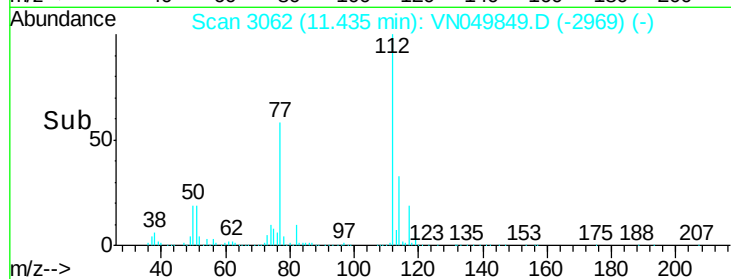
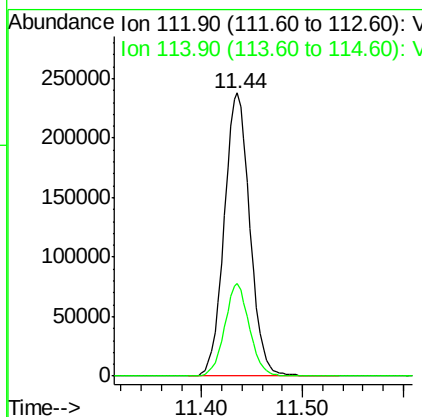
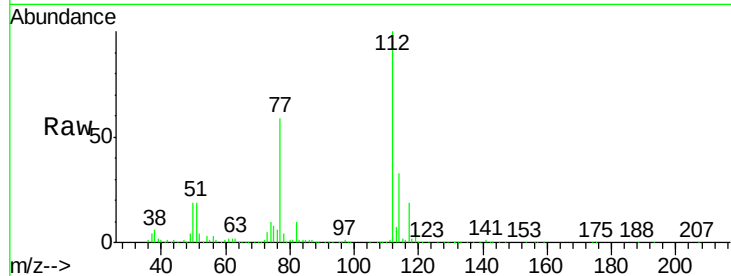
#65
Chlorobenzene
Concen: 20.81 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampled :
VN0717MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.4	38.0

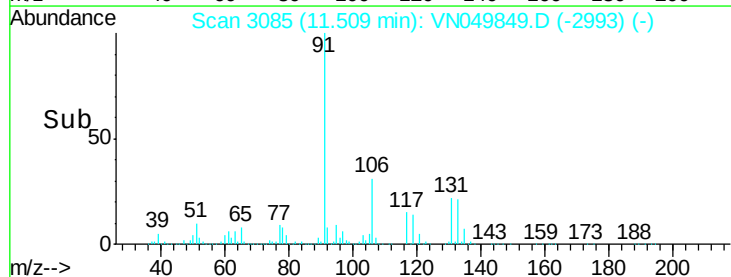
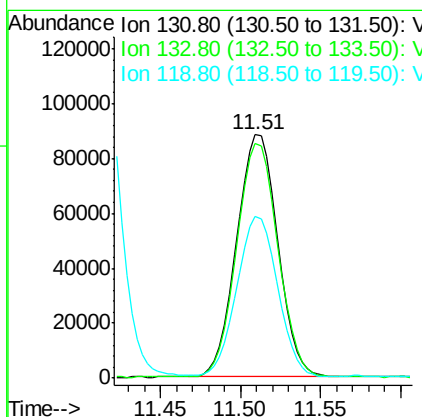
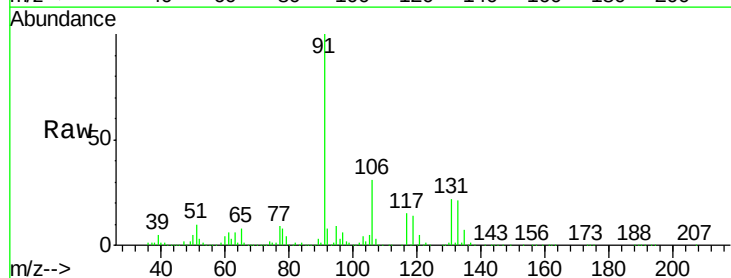
Manual Integrations
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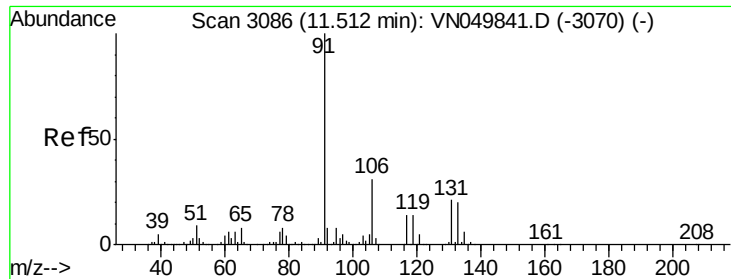
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.89 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.5	142.6
119	65.8	33.1	99.3





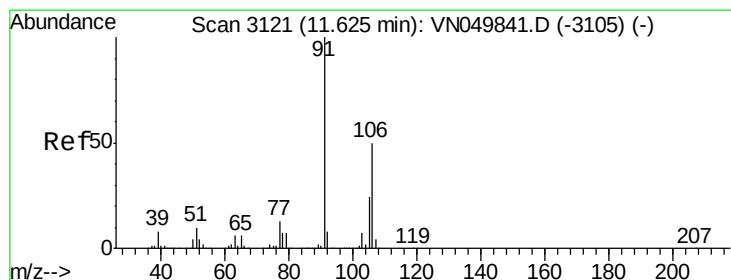
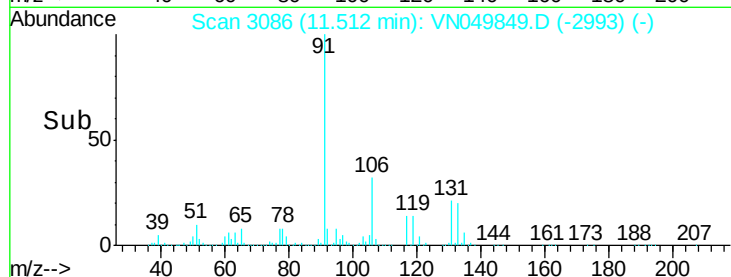
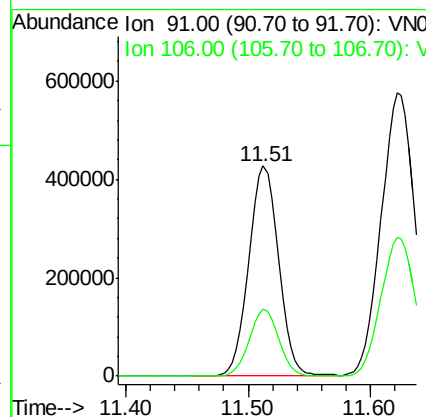
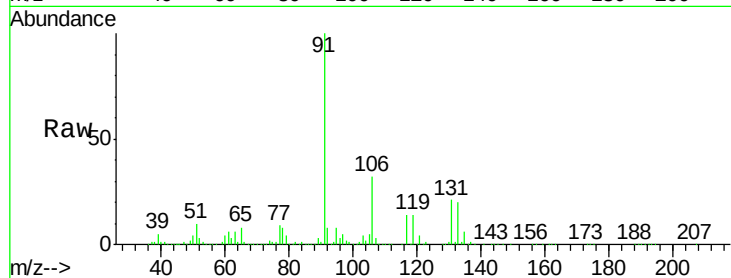
#67
Ethyl Benzene
Concen: 21.99 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampleId :
VN0717MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.8	37.2

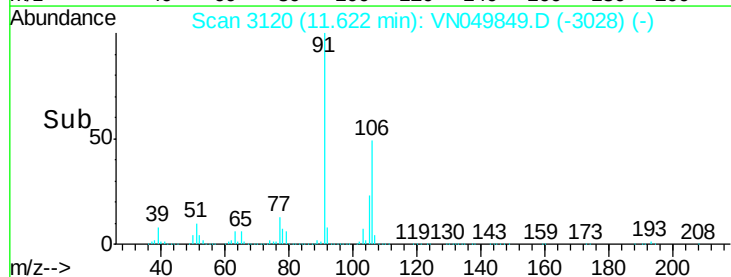
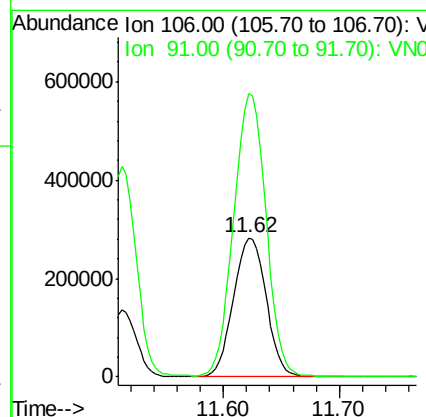
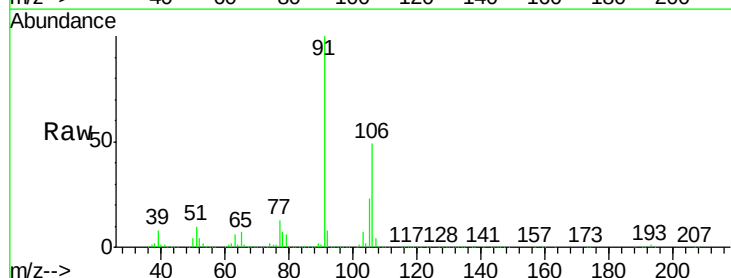
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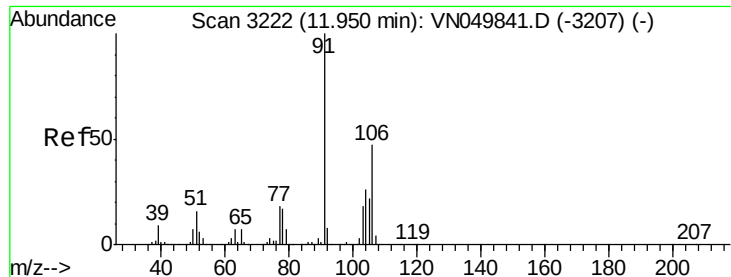
MMDadoda
7/18/2018 11:59:14 AM



#68
m/p-Xylenes
Concen: 44.39 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.4	163.4	245.2





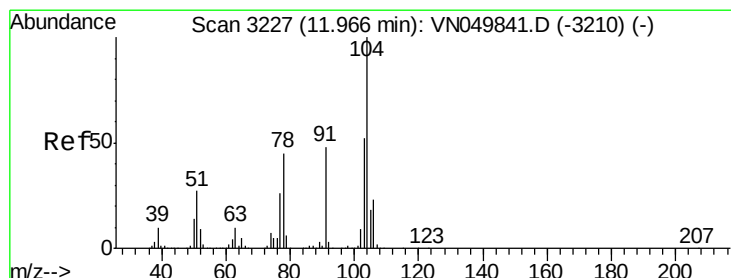
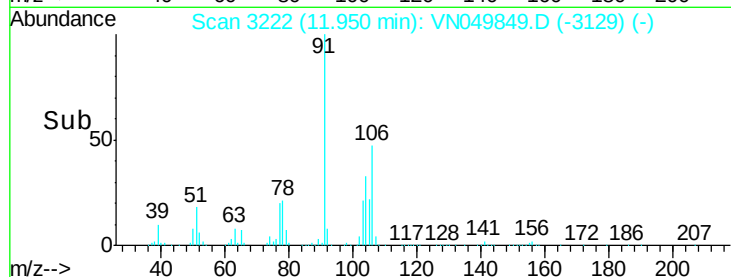
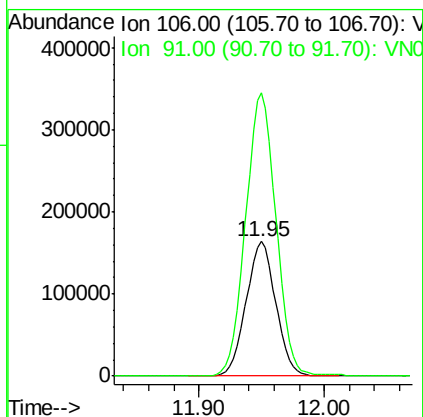
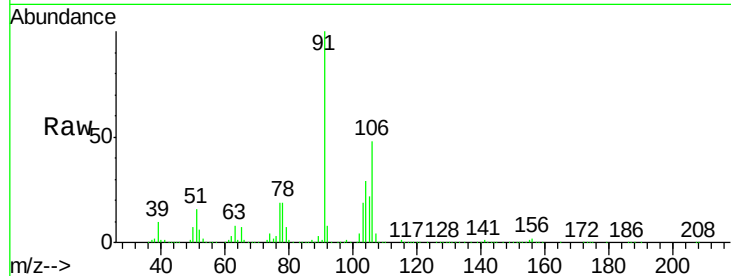
#69
o-Xylene
Concen: 22.81 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Instrument :
MSVOA_N
ClientSampled :
VN0717MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		268675		
91	214.6	108.7	326.1		

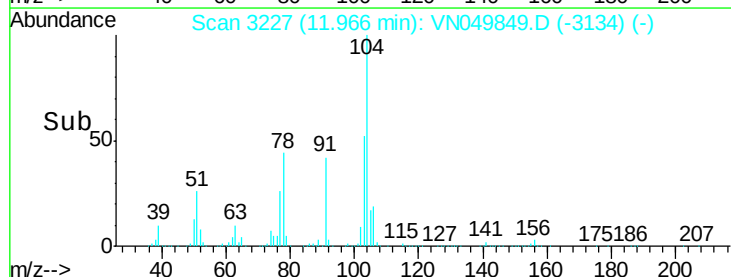
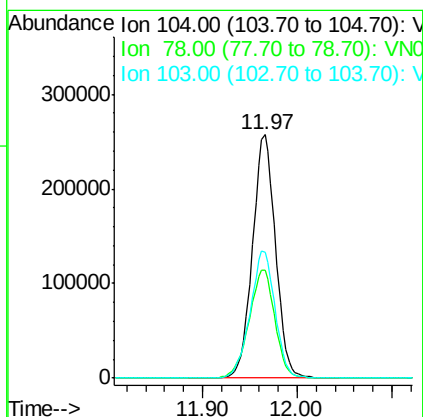
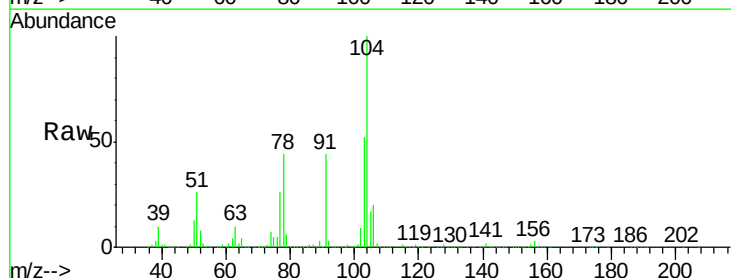
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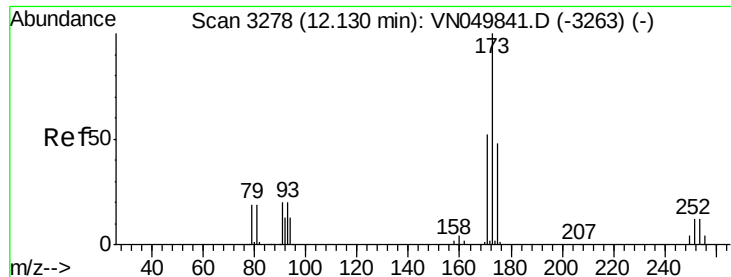
MMDadoda
7/18/2018 11:59:14 AM



#70
Styrene
Concen: 22.70 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049849.D
Acq: 17 Jul 2018 16:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		433433		
78	49.7	39.2	58.8		
103	56.1	44.6	67.0		





#71

Bromoform

Concen: 20.21 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

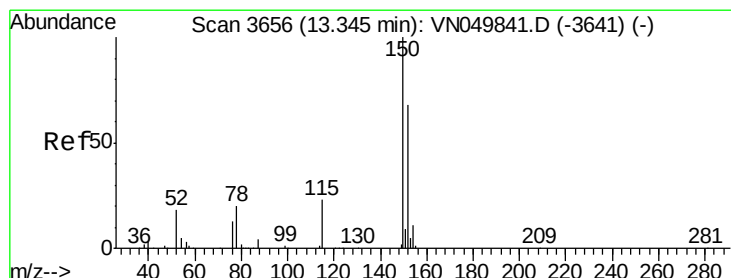
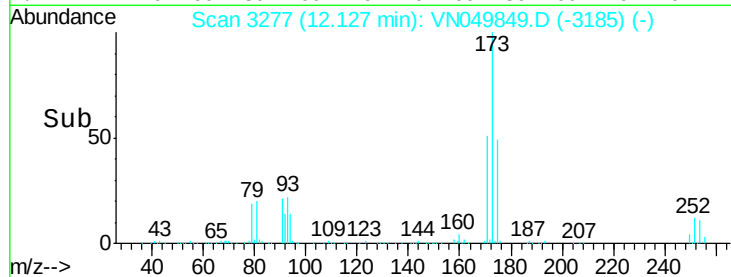
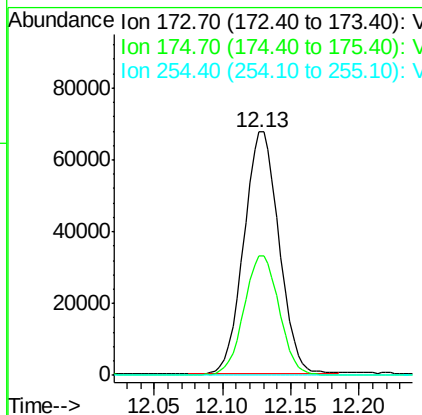
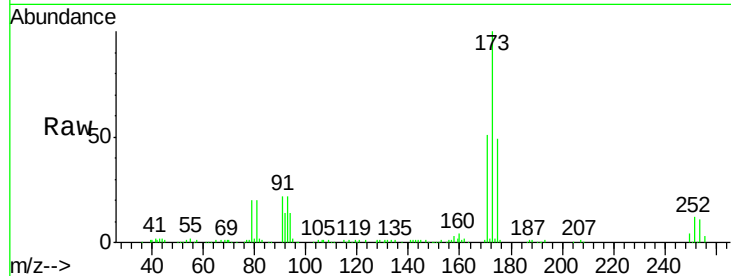
ClientSampleId :

VN0717MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		121011		
175	48.7	24.6	73.8		
254	0.0	0.2	0.2#		

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

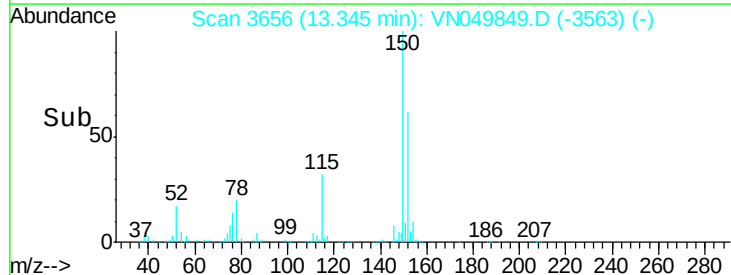
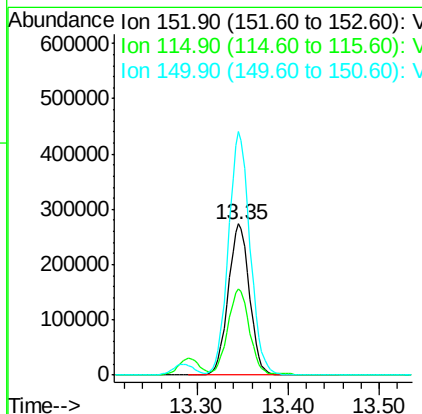
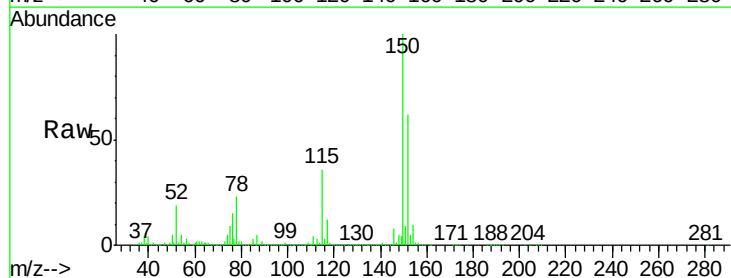
RT: 13.35 min Scan# 3656

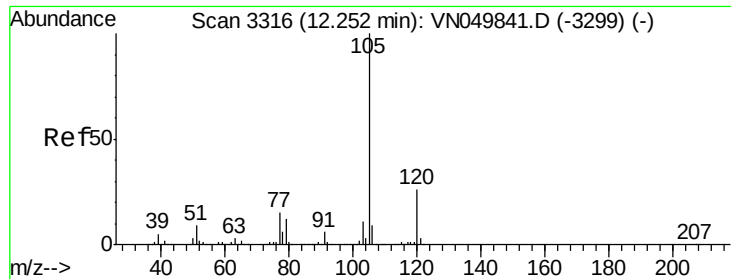
Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		442325		
115	56.3	28.1	84.2		
150	163.8	0.0	347.6		





#73

Isopropylbenzene

Concen: 22.18 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

ClientSampleId :

VN0717MBS01

Tot Ion:105 Resp: 710253

Ion Ratio Lower Upper

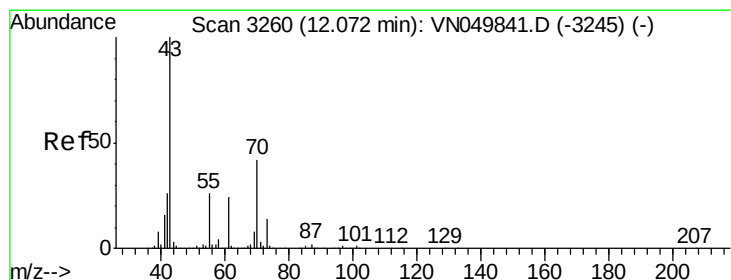
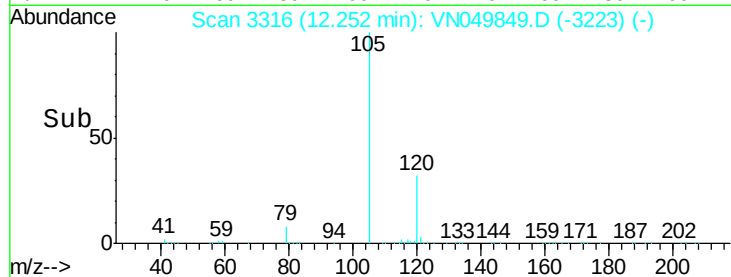
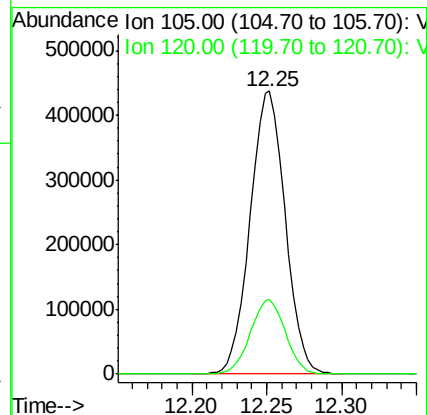
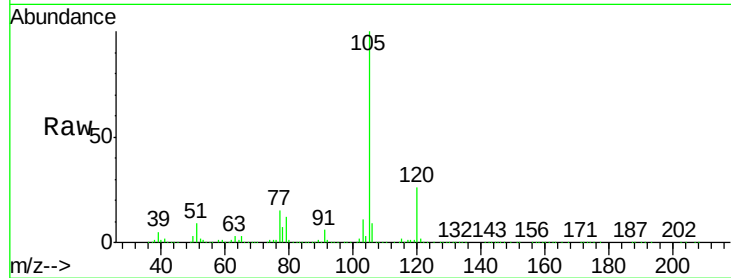
105 100

120 26.3 13.3 39.8

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#74

N-ethyl acetate

Concen: 21.97 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Tgt Ion: 43 Resp: 232494

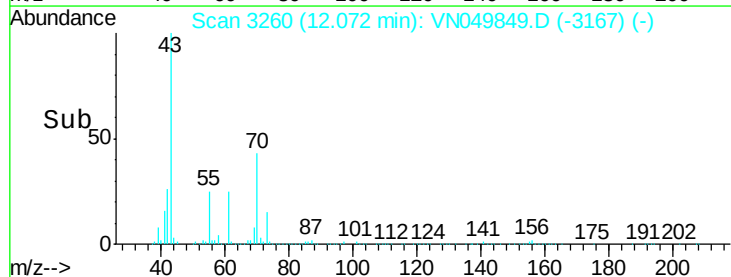
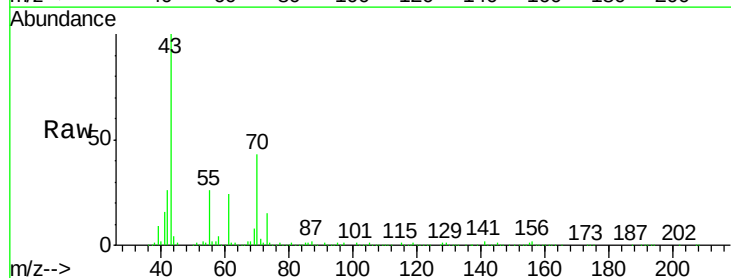
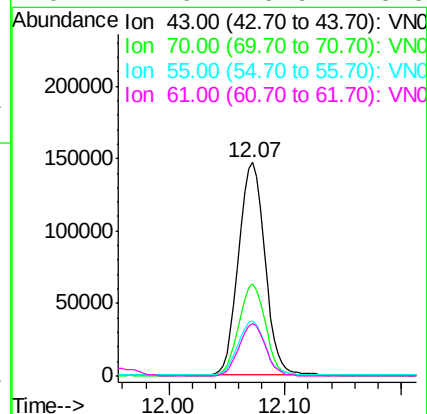
Ion Ratio Lower Upper

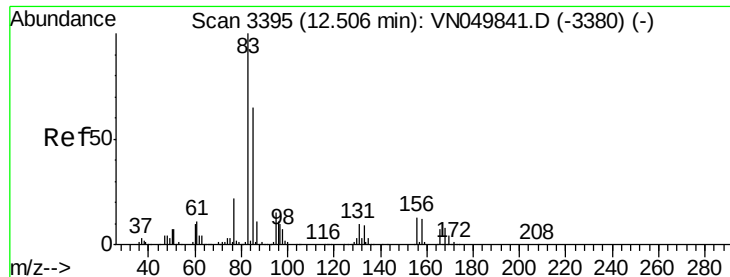
43 100

70 44.1 34.8 52.2

55 26.3 20.9 31.3

61 24.6 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.29 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

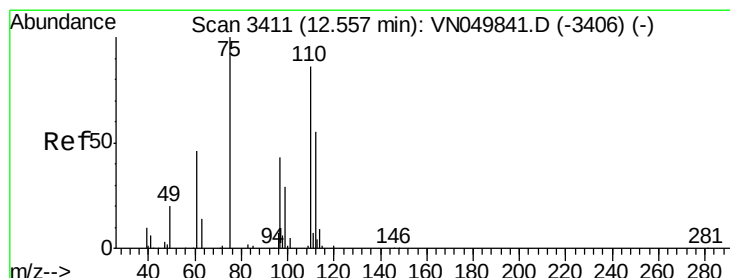
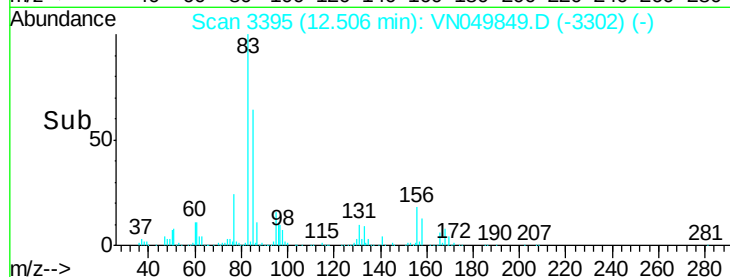
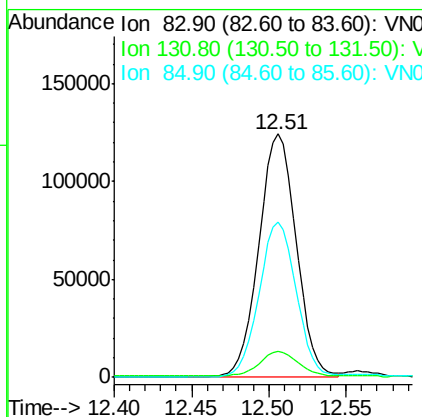
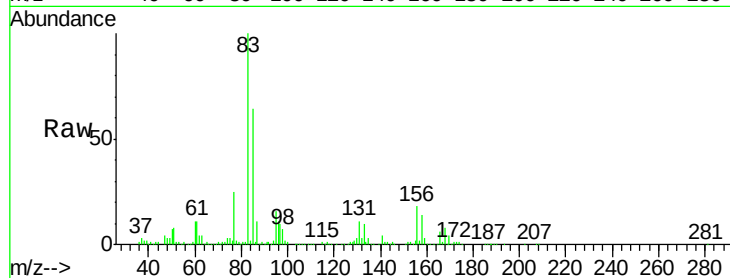
ClientSampled :

VN0717MBS01

Tot Ion:	83	Resp:	208390
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.2	15.6
85	63.9	32.5	97.4

Manual Integrations
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7/18/2018 11:59:14 AM



#76

1,2,3-Trichloropropane

Concen: 21.21 ug/l m

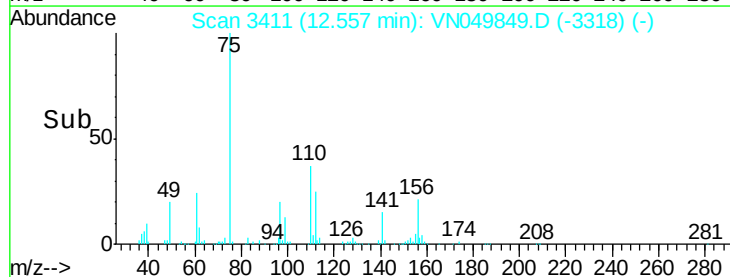
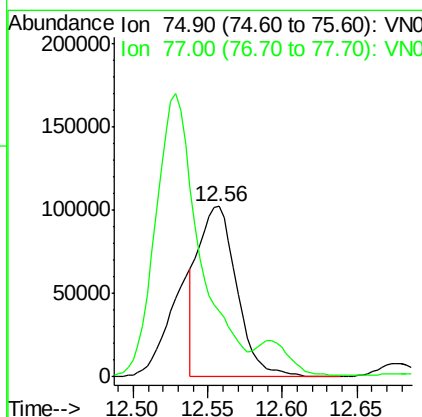
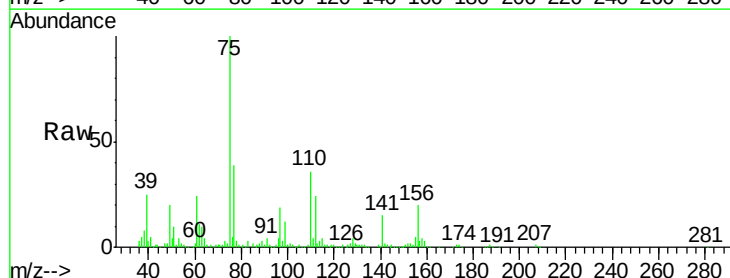
RT: 12.56 min Scan# 3411

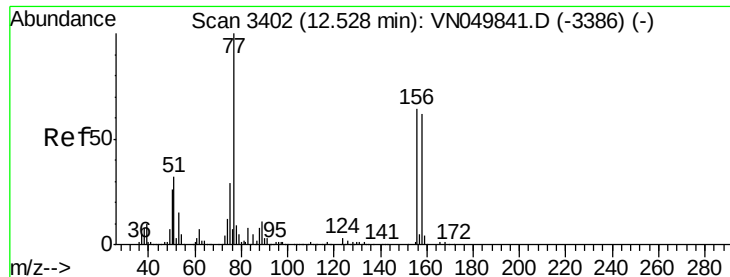
Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Tgt Ion:	75	Resp:	183560
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 26.41 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

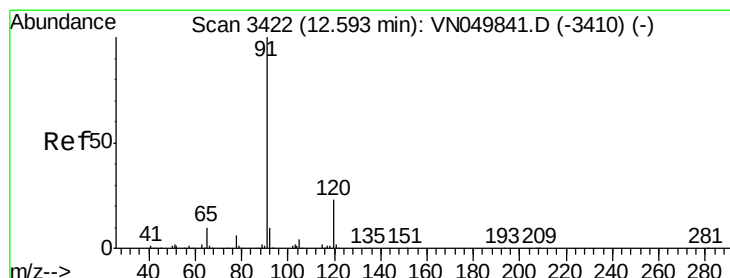
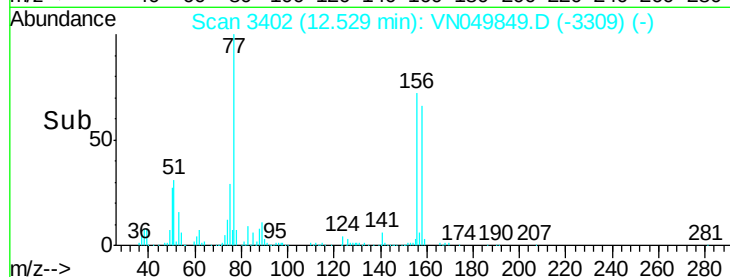
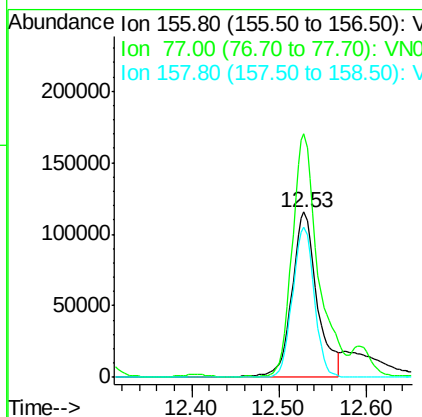
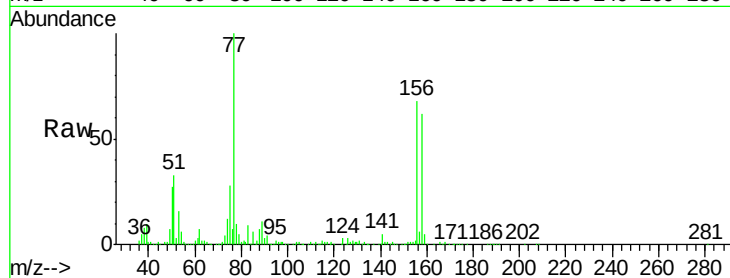
ClientSampleId :

VN0717MBS01

Tot Ion:	156	Resp:	231894
Ion Ratio	Lower	Upper	
156	100		
77	149.2	90.2	270.6
158	78.1	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 22.73 ug/l

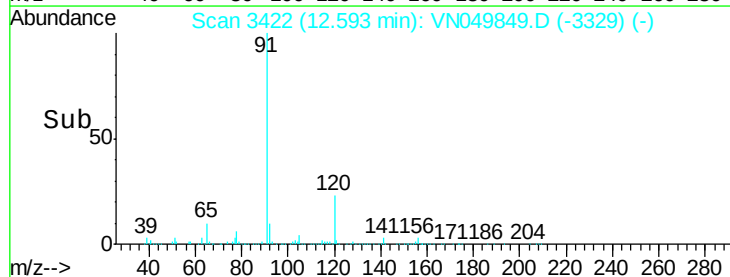
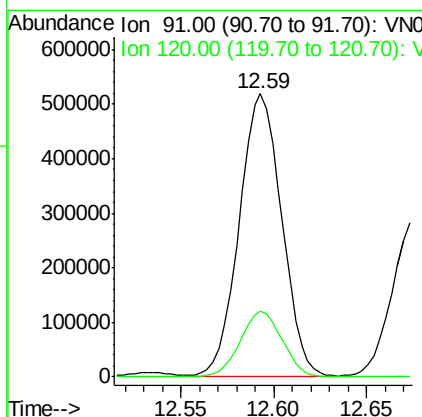
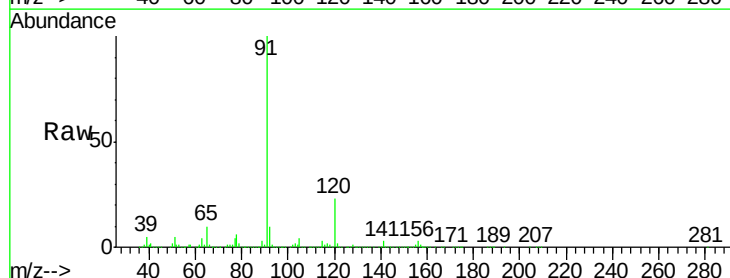
RT: 12.59 min Scan# 3422

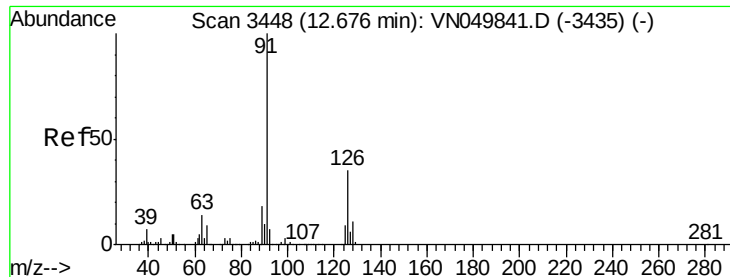
Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Tgt Ion:	91	Resp:	819193
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 22.07 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

ClientSampled :

VN0717MBS01

Tot Ion: 91 Resp: 491047

Ion Ratio Lower Upper

91 100

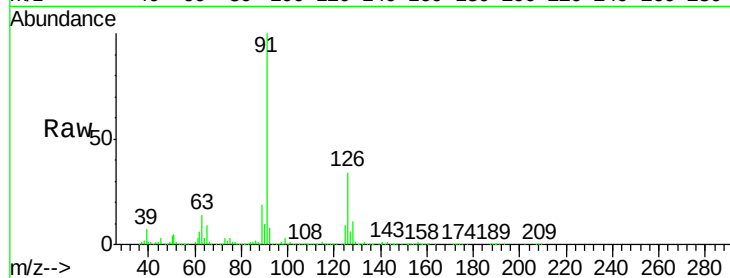
126 34.6 17.5 52.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN049841.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049841.D (-3435) (-)

500000

400000

300000

200000

100000

0

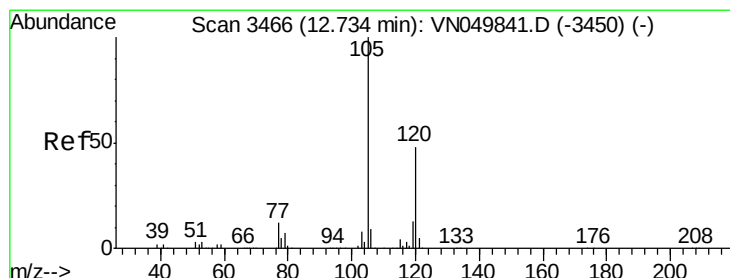
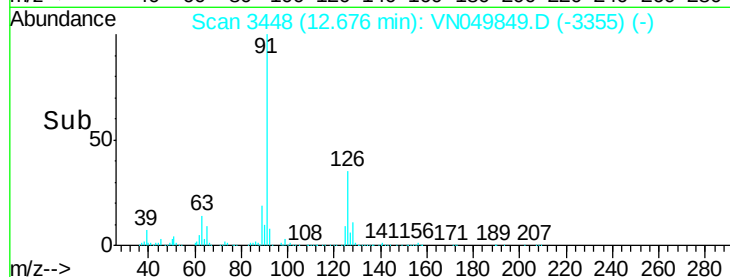
12.68

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.67 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049849.D

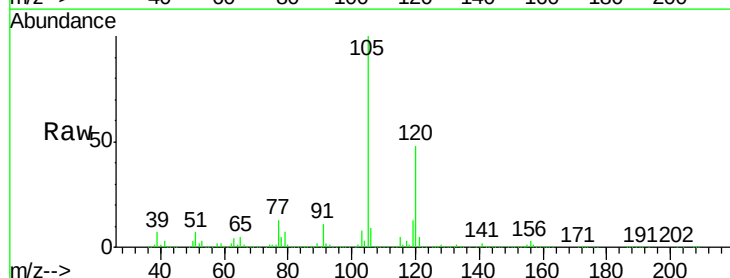
Acq: 17 Jul 2018 16:34

Tgt Ion: 105 Resp: 594105

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049841.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049841.D (-3450) (-)

400000

300000

200000

100000

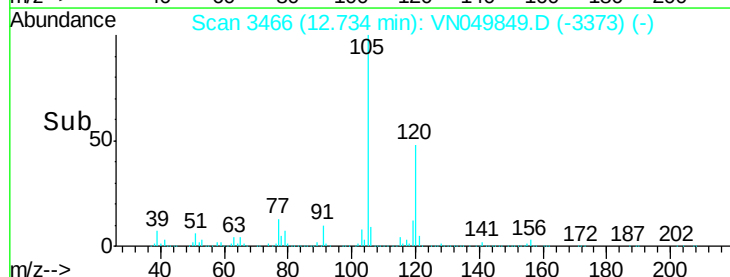
0

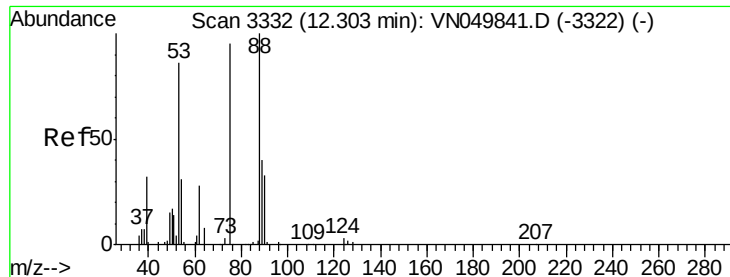
12.73

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.59 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

ClientSampleId :

VN0717MBS01

Tot Ion: 75 Resp: 57096

Ion Ratio Lower Upper

75 100

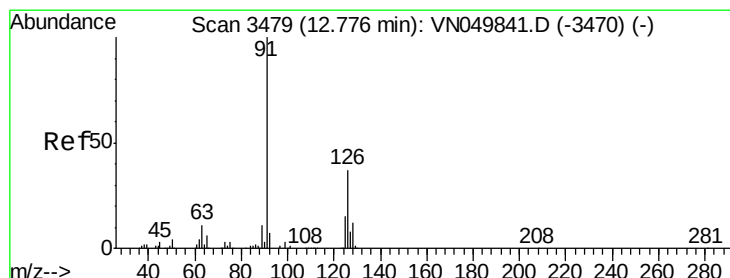
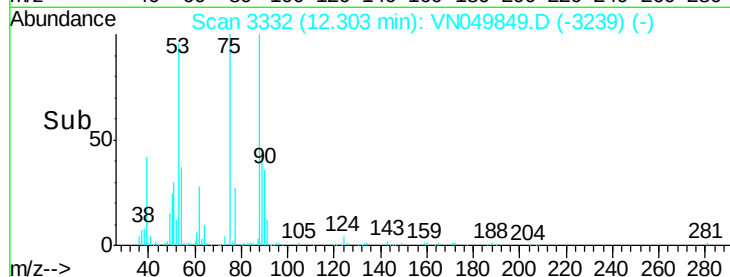
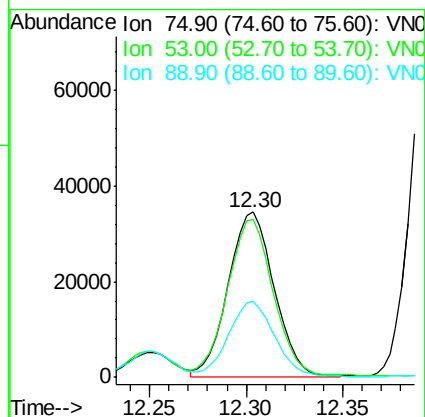
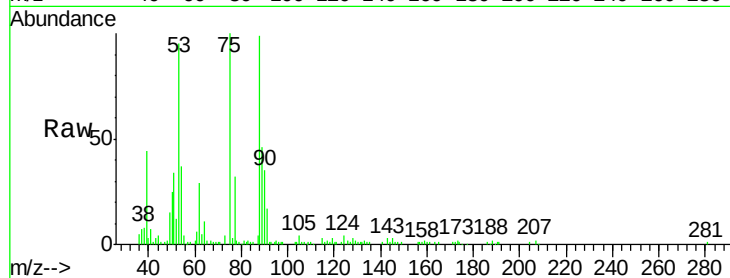
53 92.3 73.9 110.9

89 45.0 35.9 53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.48 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049849.D

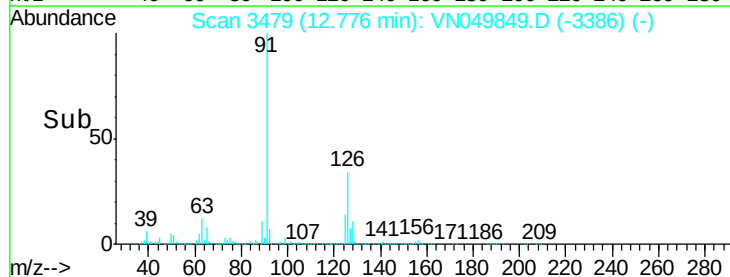
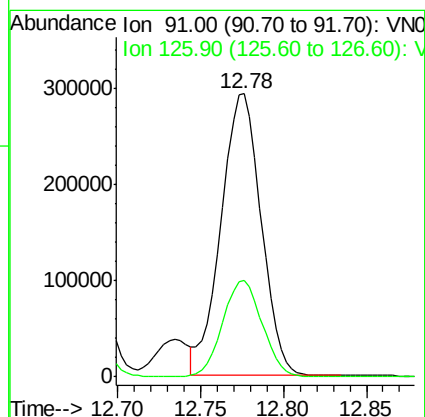
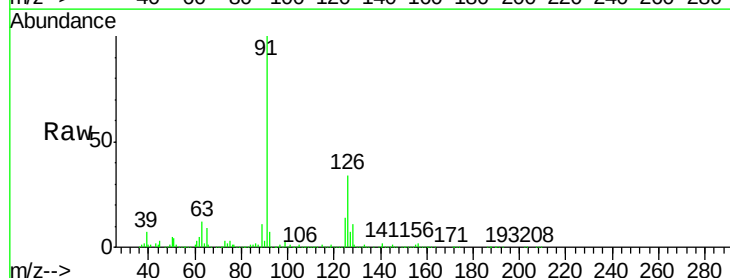
Acq: 17 Jul 2018 16:34

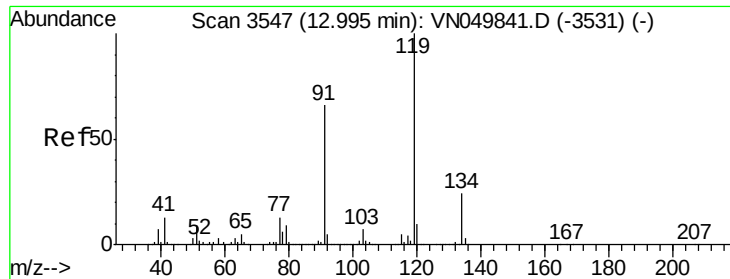
Tgt Ion: 91 Resp: 494162

Ion Ratio Lower Upper

91 100

126 33.8 17.2 51.6





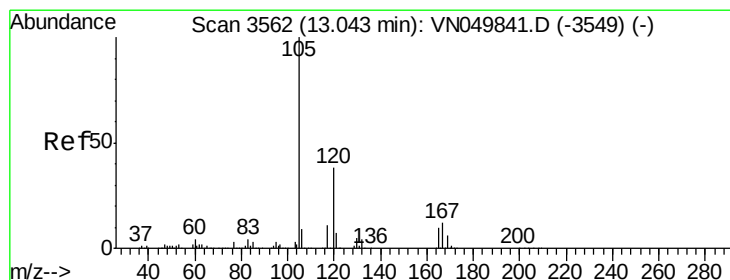
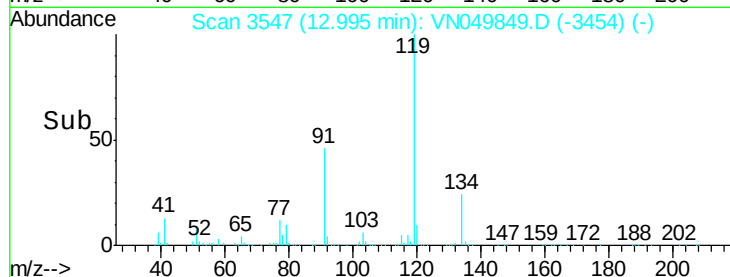
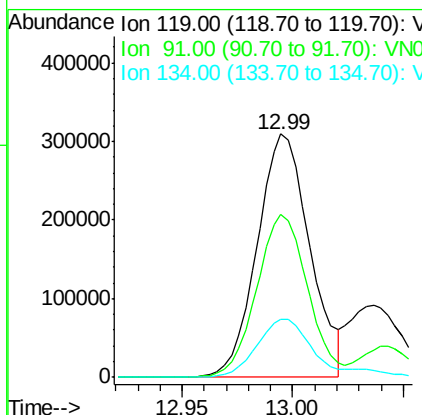
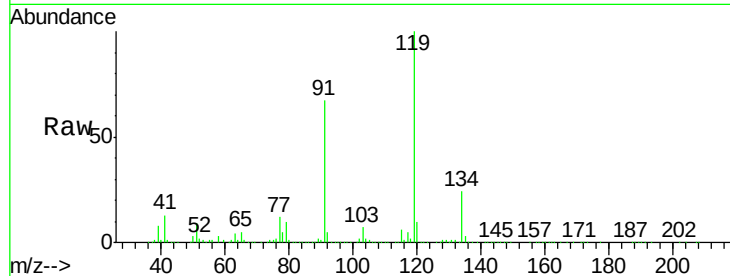
#83
 tert-Butylbenzene
 Concen: 23.11 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049849.D
 Acq: 17 Jul 2018 16:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.0	96.2
134	26.9	12.8	38.4

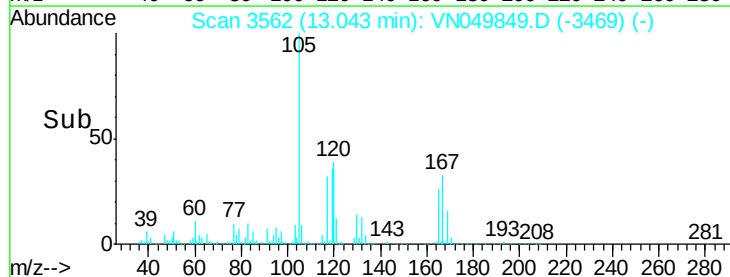
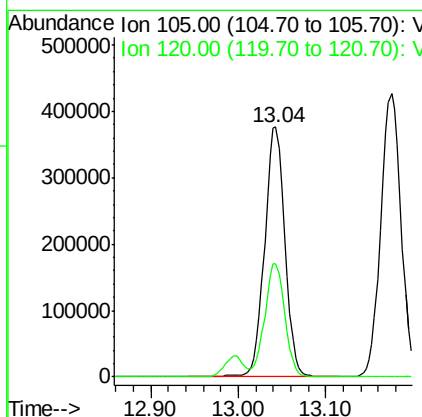
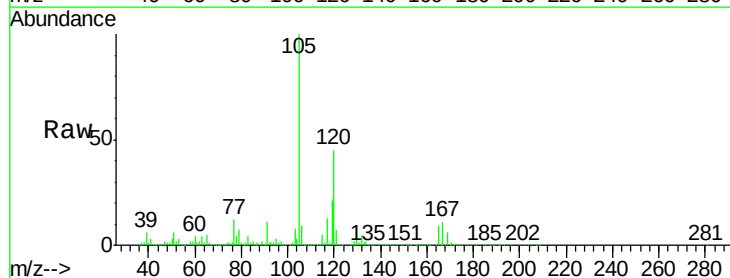
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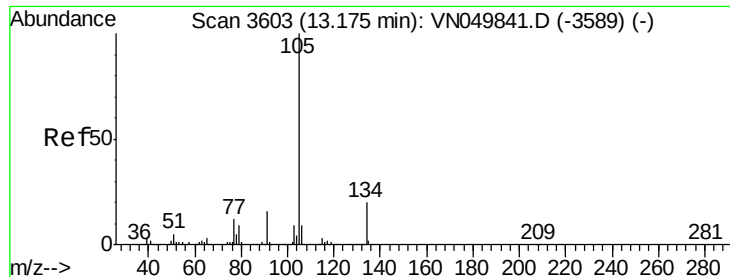
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.47 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049849.D
 Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.1





#85

sec-Butylbenzene

Concen: 23.04 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

ClientSampleId :

VN0717MBS01

Tot Ion:105 Resp: 681885

Ion Ratio Lower Upper

105 100

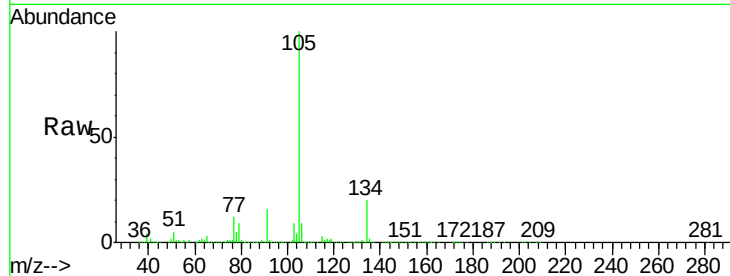
134 19.5 10.1 30.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

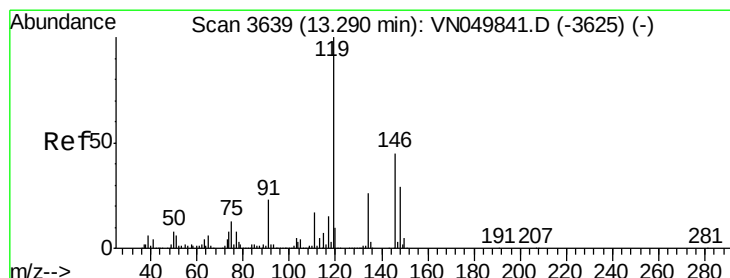
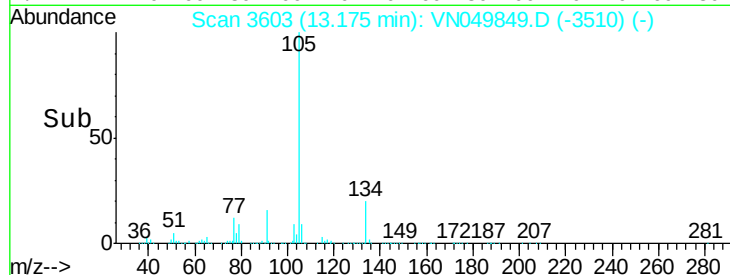
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 23.43 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

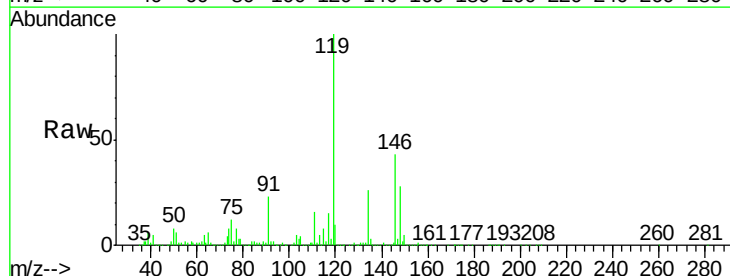
Tgt Ion:119 Resp: 586236

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 22.6 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

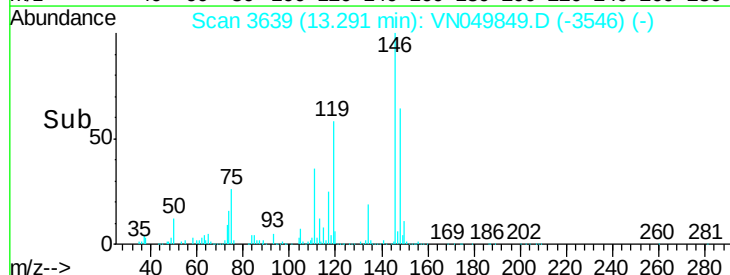
300000

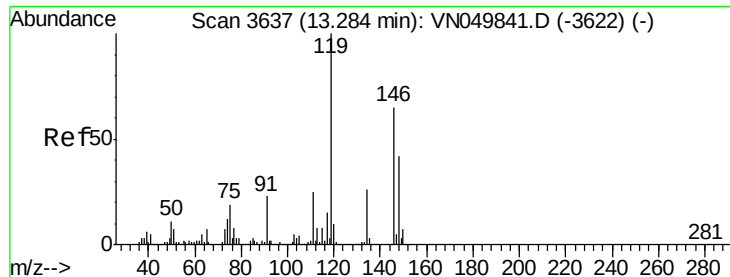
200000

100000

0

Time--> 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 21.17 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

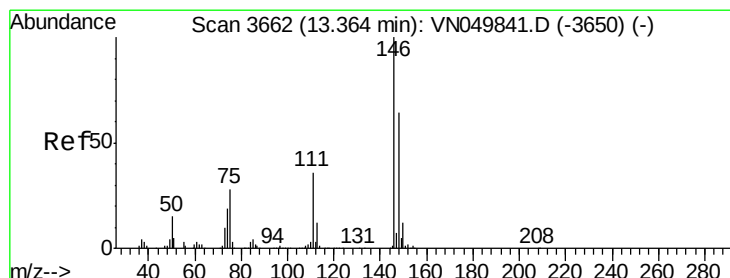
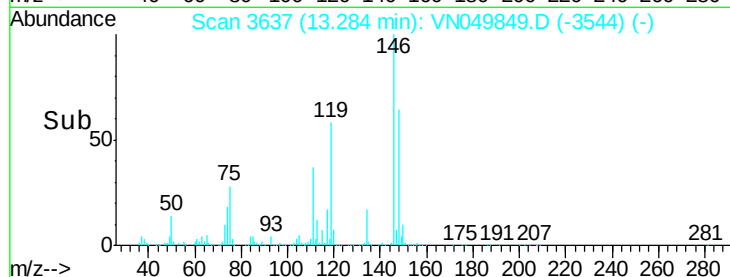
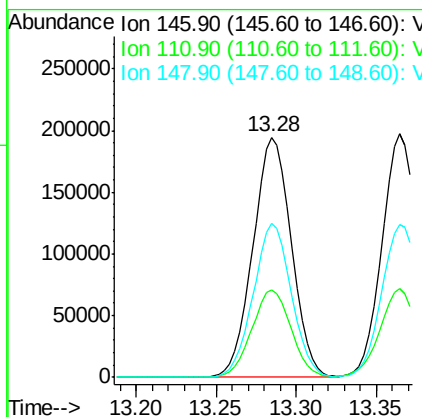
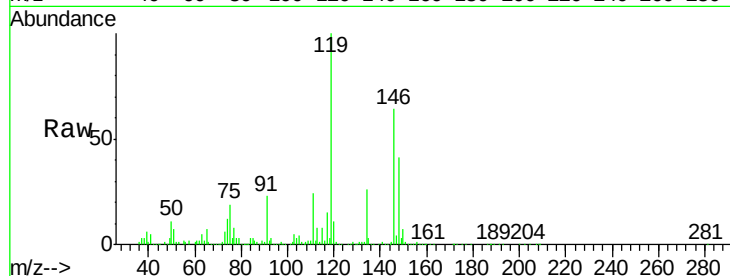
ClientSampleId :

VN0717MBS01

Tot Ion:	146	Resp:	319516
Ion Ratio	Lower	Upper	
146	100		
111	37.4	19.0	57.0
148	63.8	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 21.25 ug/l

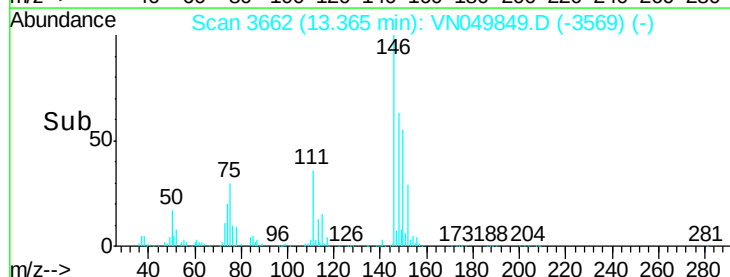
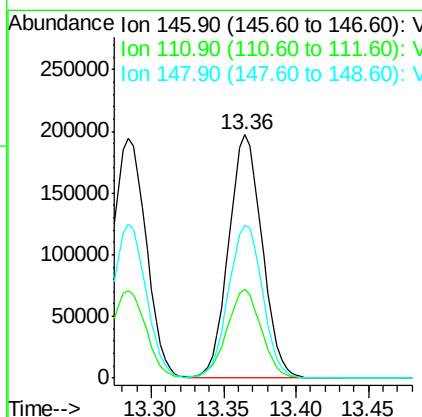
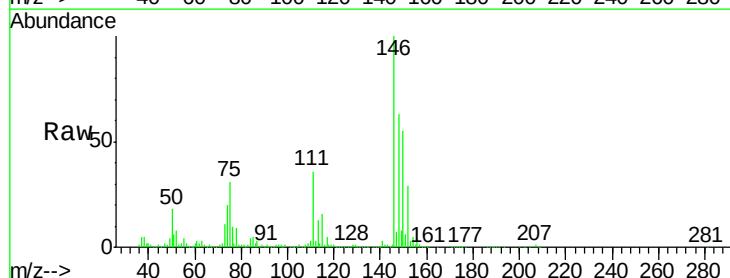
RT: 13.36 min Scan# 3662

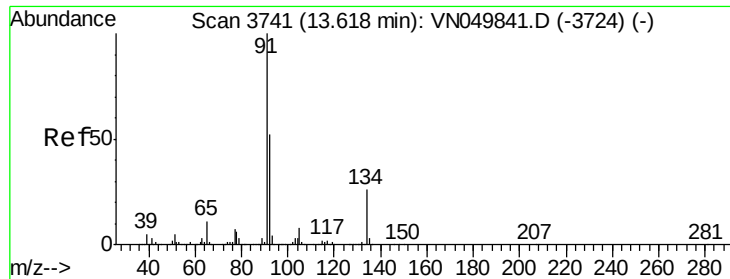
Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Tgt Ion:	146	Resp:	314992
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.9	56.5
148	64.4	32.1	96.3





#89

n-Butylbenzene

Concen: 23.32 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

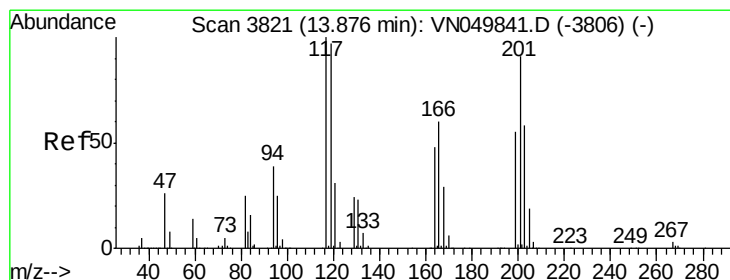
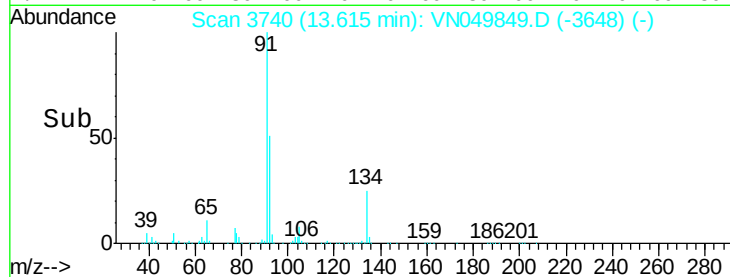
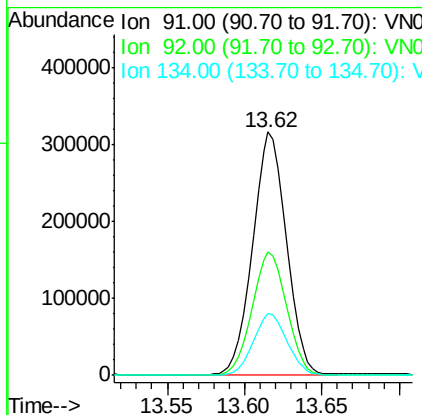
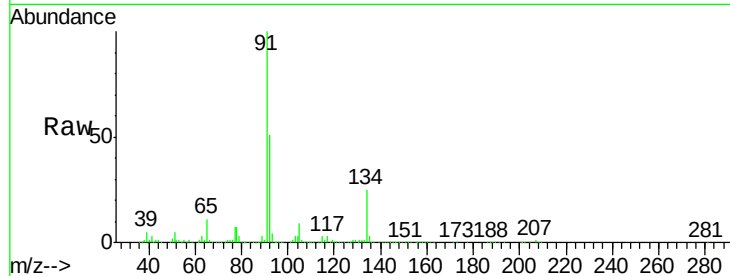
ClientSampleId :

VN0717MBS01

Tot Ion:	91	Resp:	478669
Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.8	77.3
134	25.6	13.0	38.9

Manual Integrations
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#90

Hexachloroethane

Concen: 20.99 ug/l

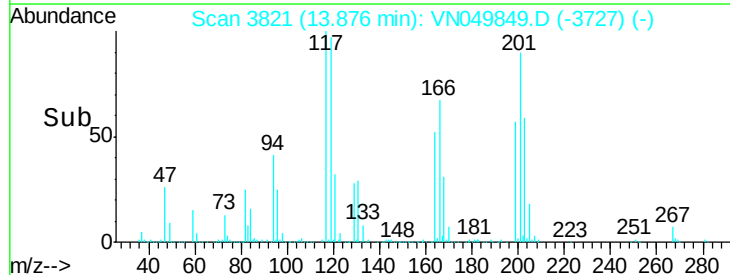
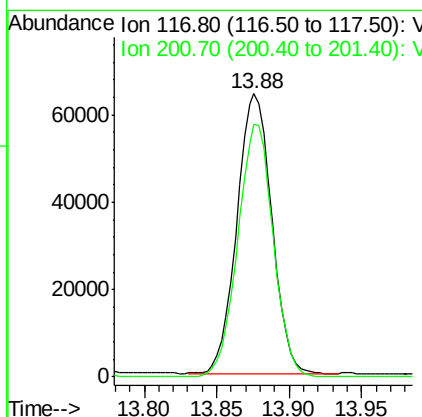
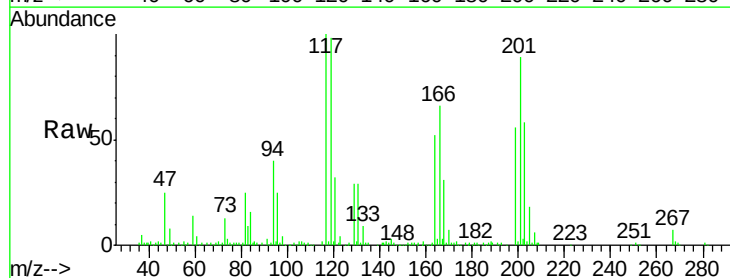
RT: 13.88 min Scan# 3821

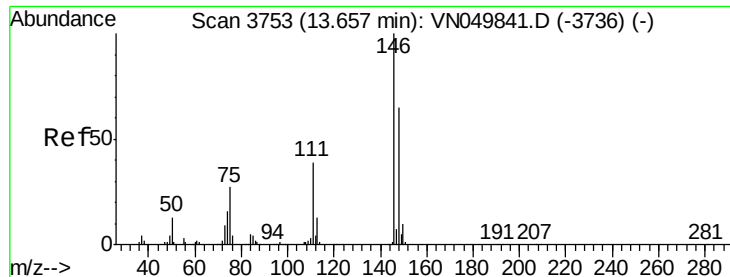
Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Tgt Ion:	117	Resp:	107090
Ion	Ratio	Lower	Upper
117	100		
201	91.7	45.3	135.8





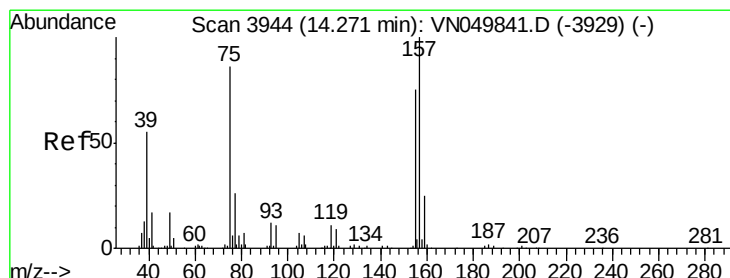
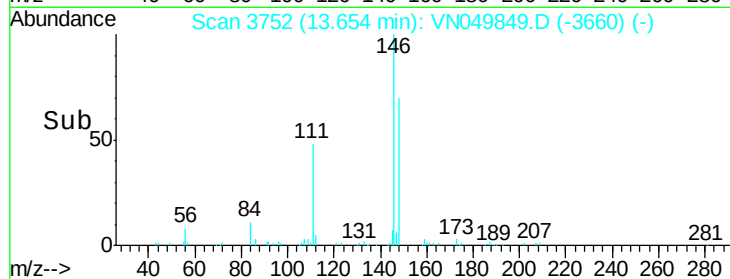
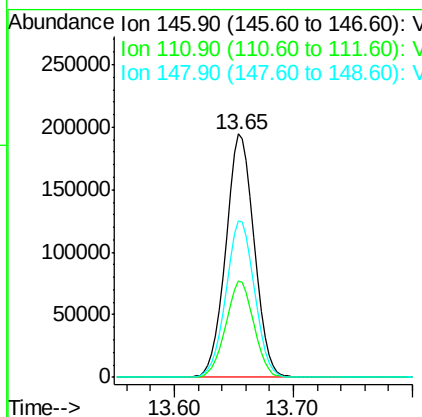
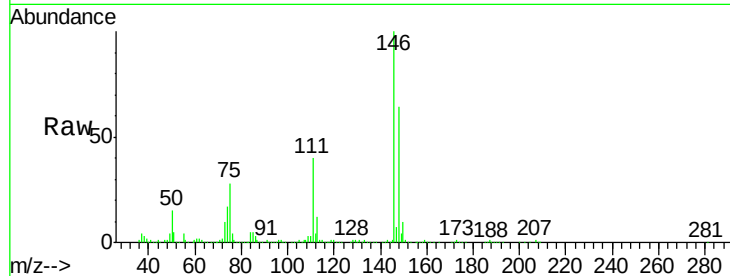
#91
 1,2-Dichlorobenzene
 Concen: 20.83 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049849.D
 Acq: 17 Jul 2018 16:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	65.0	32.0	96.2

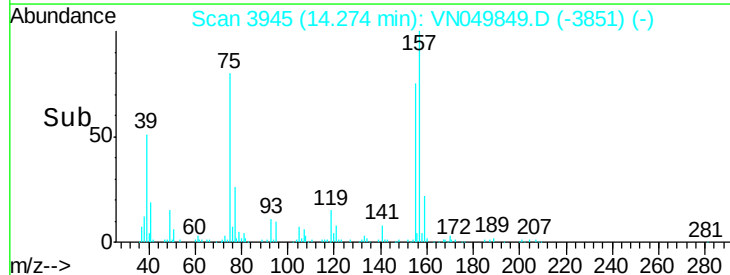
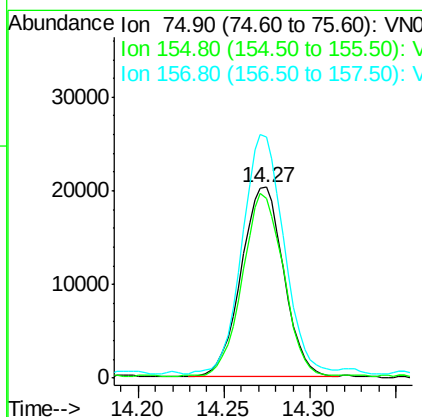
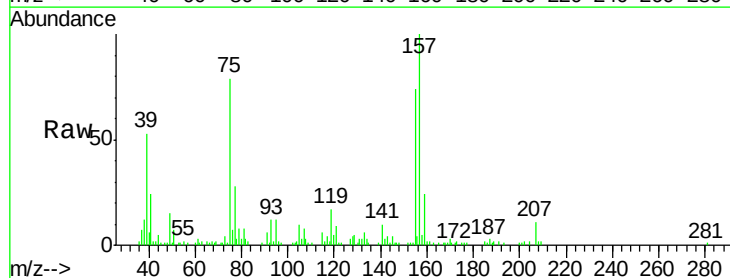
Manual Integrations
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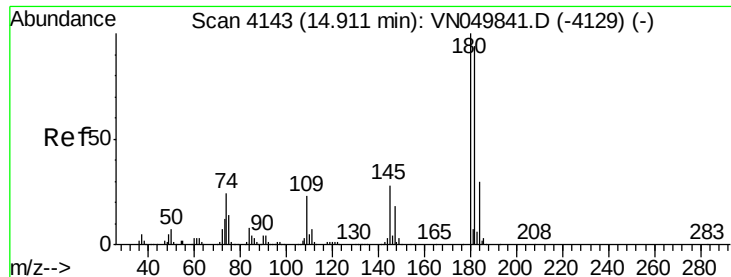
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.48 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049849.D
 Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	45.7	137.1
157	124.7	56.9	170.7





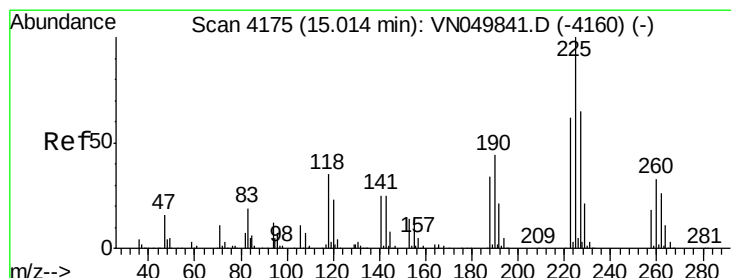
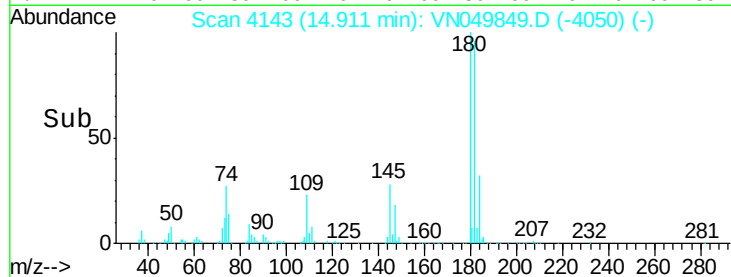
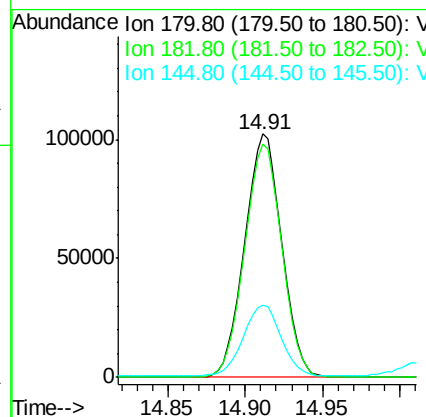
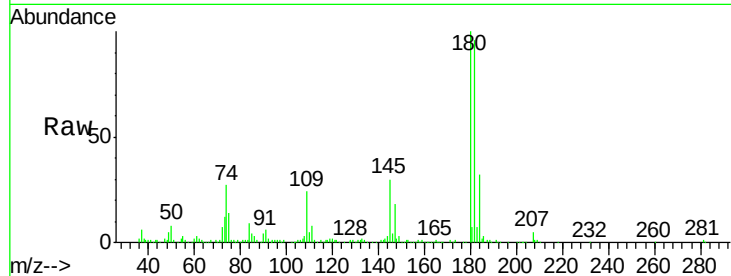
#93
 1,2,4-Trichlorobenzene
 Concen: 24.95 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049849.D
 Acq: 17 Jul 2018 16:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0717MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	170501		
182	96.2	47.3	141.9	
145	29.5	14.4	43.0	

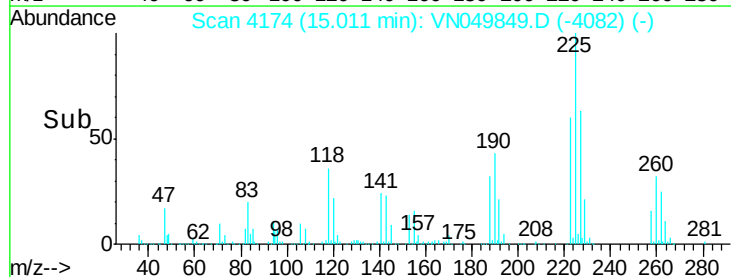
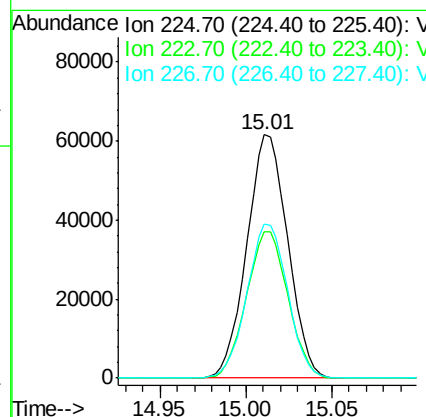
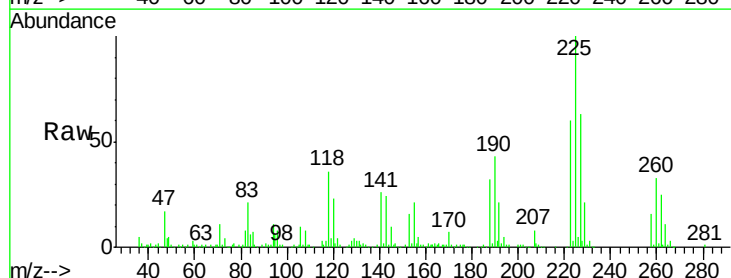
Manual Integrations
 APPROVED

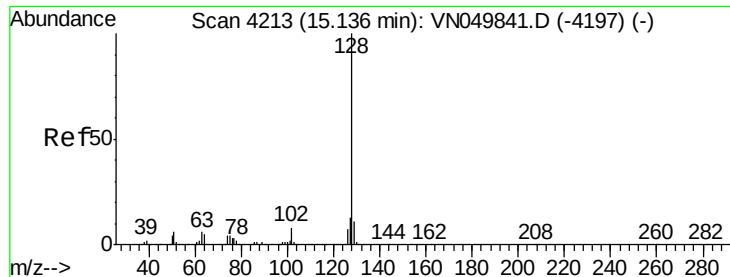
MMDadoda
 7/18/2018 11:59:14 AM



#94
 Hexachlorobutadiene
 Concen: 21.21 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049849.D
 Acq: 17 Jul 2018 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101675		
223	60.7	30.9	92.7	
227	62.9	31.8	95.4	





#95

Naphthalene

Concen: 25.16 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Instrument :

MSVOA_N

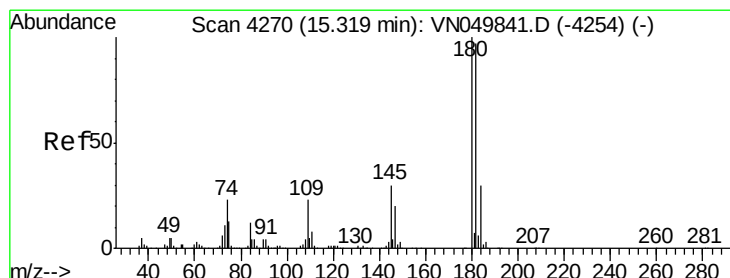
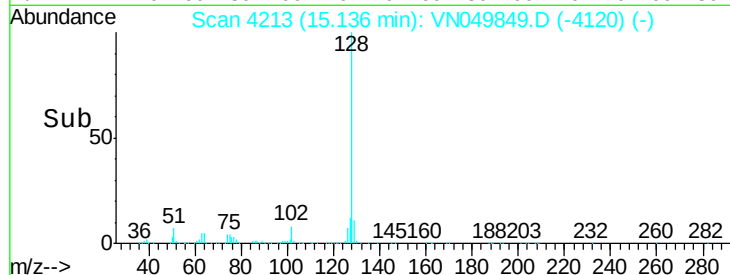
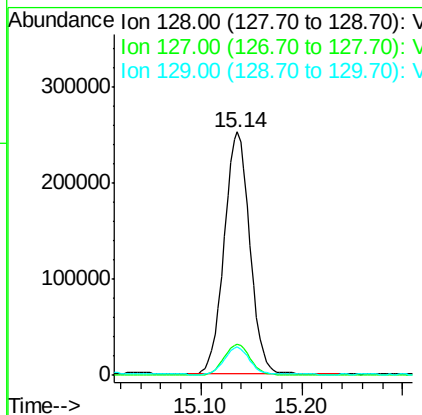
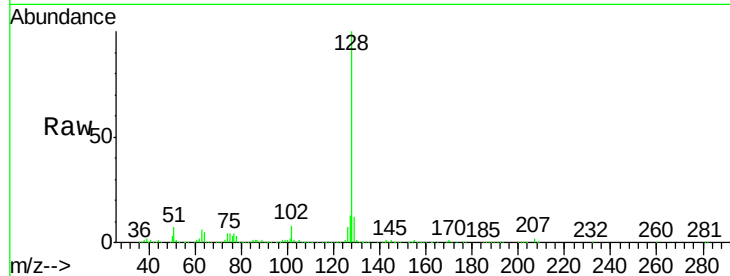
ClientSampleId :

VN0717MBS01

Tot Ion:	128	Resp:	447535
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/18/2018 11:59:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 24.40 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049849.D

Acq: 17 Jul 2018 16:34

Tgt Ion:	180	Resp:	176313
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.4	142.2
145	32.0	15.2	45.6

