

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050717.D
 Acq On : 17 Aug 2018 9:12
 Operator : MD\SY
 Sample : VN0817WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0817WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 10:35:58 AM

Quant Time: Aug 17 14:29:42 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA N\methods\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	115838	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	617690	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	551557	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	225436	28.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.43%
60) 4-Bromofluorobenzene	12.40	95	248463	29.32	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.73%
63) Toluene-d8	10.09	98	785952	29.83	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.43%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	122441	15.34	ug/l	97
3) Chloromethane	2.06	50	162877	19.79	ug/l	97
4) Vinyl Chloride	2.18	62	164411	18.76	ug/l	95
5) Bromomethane	2.57	94	98367	18.42	ug/l	100
6) Chloroethane	2.70	64	100999	19.49	ug/l	99
7) Trichlorofluoromethane	3.01	101	219214	19.15	ug/l	98
8) Diethyl Ether	3.41	74	71794	18.69	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	139467	20.02	ug/l	99
10) 1,1-Dichloroethene	3.73	96	122402	19.82	ug/l	94
11) Methyl Iodide	3.95	142	81136	8.93	ug/l	96
12) Methyl Acetate	4.33	43	111185	15.72	ug/l	100
13) Acrolein	3.61	56	35282	80.69	ug/l	100
14) Acrylonitrile	4.99	53	205390	87.00	ug/l	99
15) Acetone	3.81	58	64209	102.34	ug/l	83
16) Carbon Disulfide	4.05	76	367577	19.45	ug/l	99
17) Allyl chloride	4.32	41	189821	19.46	ug/l	95
18) Methylene Chloride	4.55	84	144554	20.28	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	133769	20.23	ug/l	96
20) Diisopropyl ether	5.95	45	415794	20.79	ug/l	97
21) 1,1-Dichloroethane	5.85	63	255439	20.31	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	147611	20.13	ug/l	100
23) tert-Butyl Alcohol	4.80	59	36573	69.33	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	307556	18.26	ug/l	99
25) Chloroform	7.37	83	258600	20.31	ug/l	98
26) Cyclohexane	7.65	56	204448	20.46	ug/l #	97
29) 1,1-Dichloropropene	7.79	75	188908	19.71	ug/l	99
30) 2-Butanone	6.84	43	287838	95.69	ug/l	99
31) 2,2-Dichloropropane	6.83	77	200042	18.88	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	216741	19.21	ug/l	99
33) Carbon Tetrachloride	7.77	117	196235	19.51	ug/l	99
34) Benzene	8.04	78	580519	19.94	ug/l	98
35) Methacrylonitrile	7.17	41	57502	16.79	ug/l	97
36) 1,2-Dichloroethane	8.12	62	179389	18.77	ug/l	100
37) Trichloroethene	8.84	130	151450	19.84	ug/l	96
38) Methylcyclohexane	9.08	83	195361	19.33	ug/l	99
39) 1,2-Dichloropropane	9.12	63	151715	19.78	ug/l	100
40) Dibromomethane	9.21	93	88903	18.76	ug/l	99

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Manual Integrations
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Quant Time: Aug 17 14:29:42 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA N\methods\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	193685	19.37	ug/l	96
42) Vinyl Acetate	5.90	43	1276566	90.18	ug/l	100
43) Ethyl Acetate	6.93	43	105157	16.74	ug/l #	91
44) Isopropyl Acetate	8.17	43	188716	16.22	ug/l	99
45) 1,4-Dioxane	9.20	88	24839	324.40	ug/l	96
46) Methyl methacrylate	9.20	41	88668	15.72	ug/l	97
47) n-amyl Acetate	12.07	43	144065	15.91	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	180219	18.91	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	214703	19.17	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	126625	18.61	ug/l	97
51) Ethyl methacrylate	10.43	69	140094	16.96	ug/l	97
52) 1,3-Dichloropropane	10.71	76	212164	18.99	ug/l	99
53) Dibromochloromethane	10.90	129	142584	18.47	ug/l	98
54) 1,2-Dibromoethane	11.01	107	121967	18.30	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	305739	81.80	ug/l	99
56) Bromoform	12.13	173	95203	17.46	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	663120	103.32	ug/l	99
59) 2-Hexanone	10.75	43	421185	96.20	ug/l	100
61) Tetrachloroethene	10.63	164	141753	18.97	ug/l	99
62) Toluene	10.16	91	621731	19.76	ug/l	100
64) Chlorobenzene	11.43	112	379180	19.87	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	144903	19.47	ug/l	99
66) Ethyl Benzene	11.51	91	624380	19.42	ug/l	100
67) m/p-Xylenes	11.62	106	497793	40.22	ug/l	98
68) o-Xylene	11.95	106	233652	19.84	ug/l	99
69) Styrene	11.96	104	374541	19.84	ug/l	99
70) Isopropylbenzene	12.25	105	623439	19.88	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	156906	18.22	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	126149m	17.15	ug/l	
73) Bromobenzene	12.53	156	156810	18.77	ug/l	98
74) n-propylbenzene	12.59	91	707198	19.36	ug/l	99
75) 2-Chlorotoluene	12.67	91	431400	19.67	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	517578	20.09	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	34249	14.24	ug/l	95
78) 4-Chlorotoluene	12.77	91	427264	19.65	ug/l	98
79) tert-butylbenzene	12.99	119	431035	19.57	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	521169	19.97	ug/l	98
81) sec-Butylbenzene	13.17	105	578051	19.32	ug/l	99
82) p-Isopropyltoluene	13.29	119	495400	19.41	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	271912	18.69	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	253783	18.46	ug/l	99
85) n-Butylbenzene	13.62	91	365493	17.64	ug/l	99
86) Hexachloroethane	13.87	117	94502	18.53	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	265922	18.70	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	19641	14.64	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	106543	15.69	ug/l	99
90) Hexachlorobutadiene	15.01	225	85370	19.07	ug/l	96
91) Naphthalene	15.13	128	189289	16.53	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	108442	15.70	ug/l	99

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

Manual Integrations
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QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

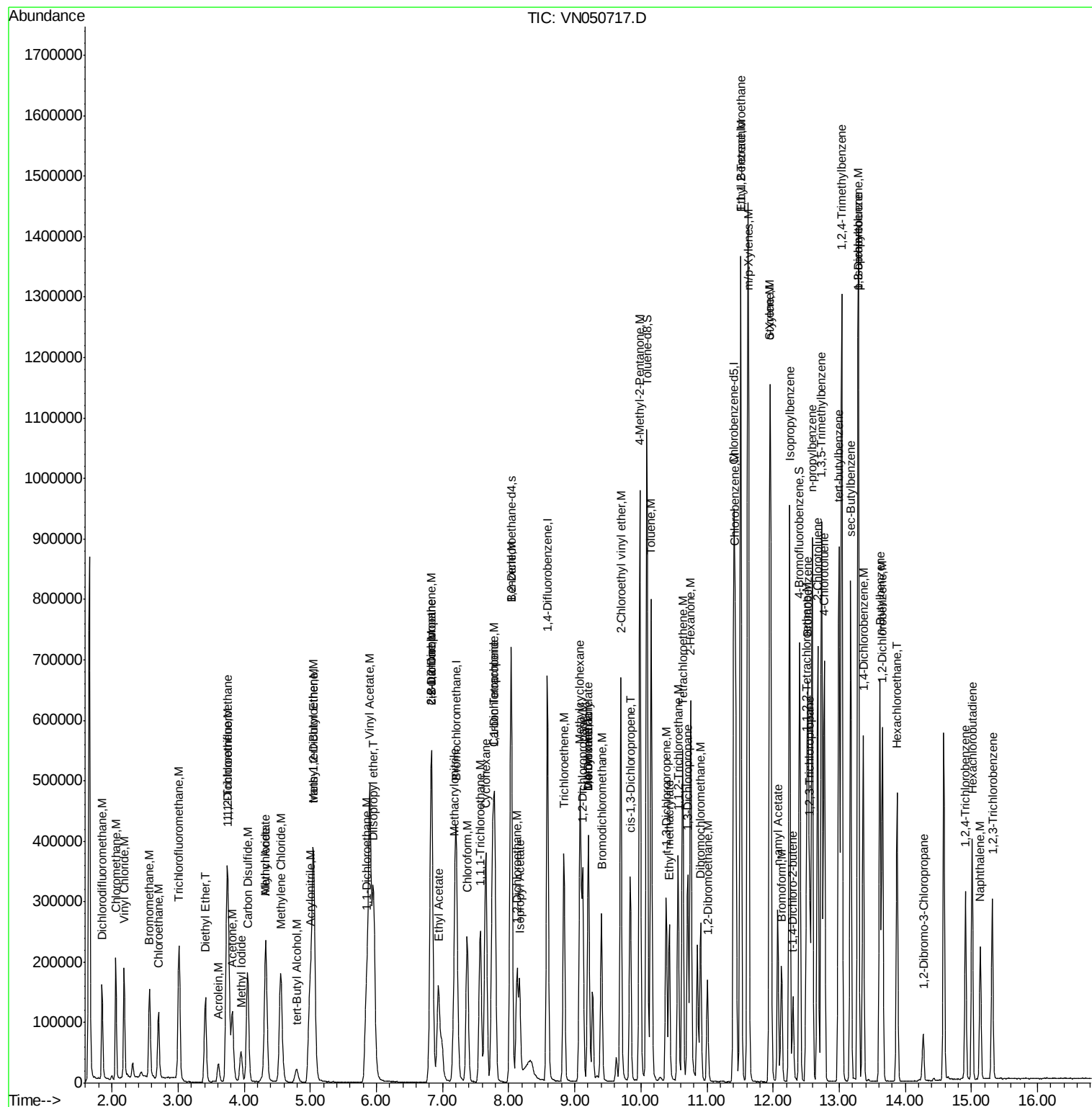
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
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ALS Vial : 4 Sample Multiplier: 1

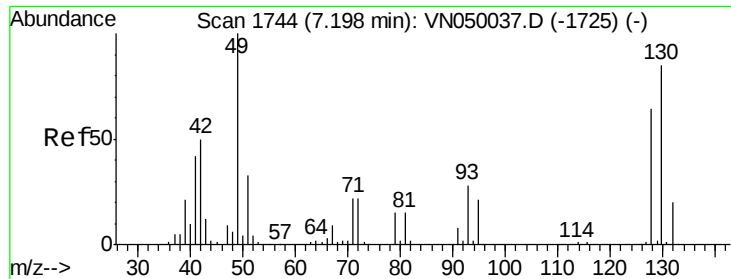
Instrument :
MSVOA_N
ClientSampleId :
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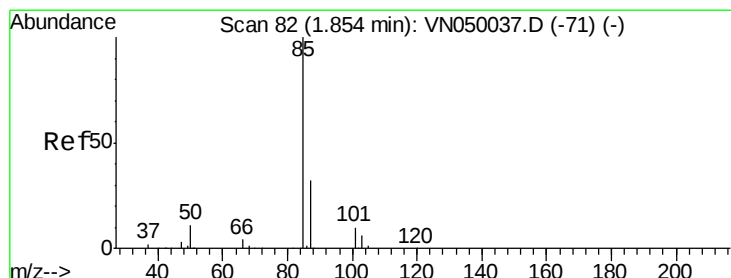
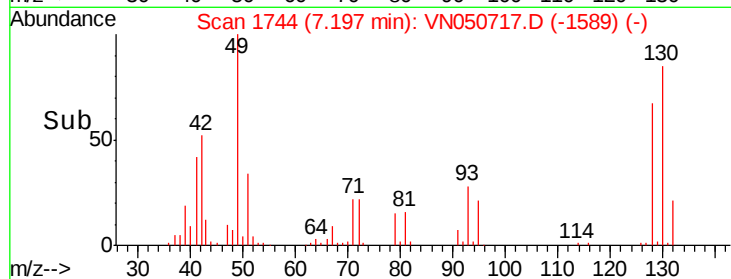
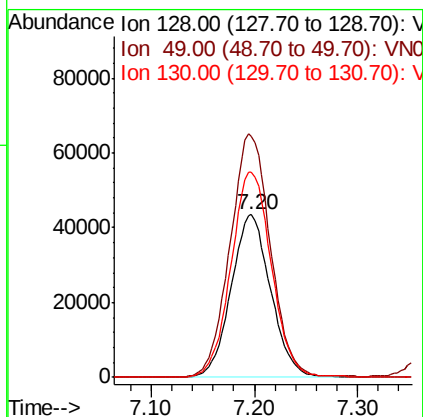
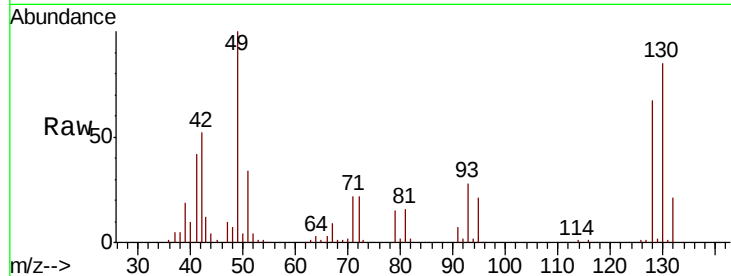
#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	115838		
49	153.4	0.0	378.3	
130	129.8	0.0	320.7	

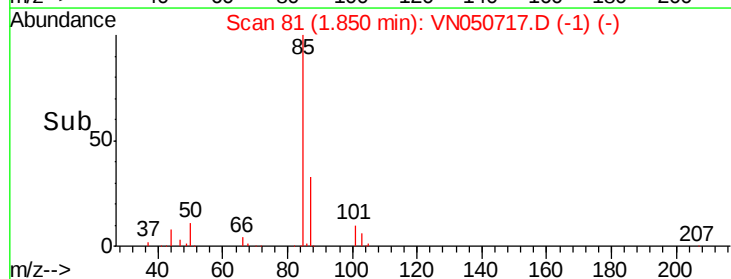
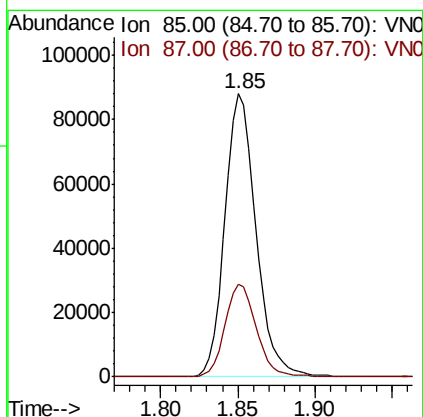
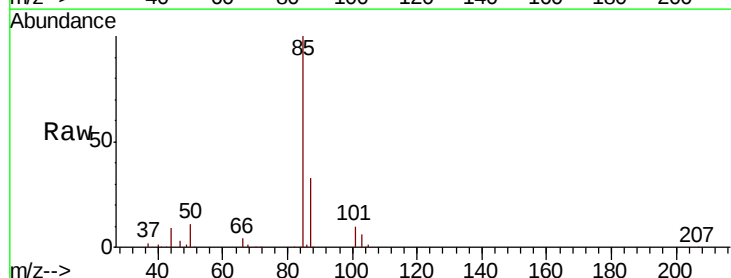
Manual Integrations
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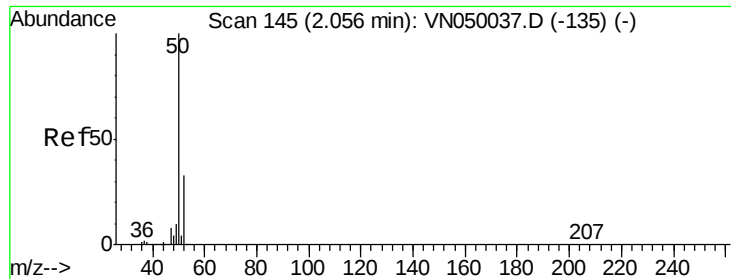
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#2
 Dichlorodifluoromethane
 Concen: 15.34 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	122441		
87	32.8	15.4	46.4	





#3

Chloromethane

Concen: 19.79 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Instrument :

MSVOA_N

ClientSampled :

VN0817WBS01

Tot Ion: 50 Resp: 162877

Ion Ratio Lower Upper

50 100

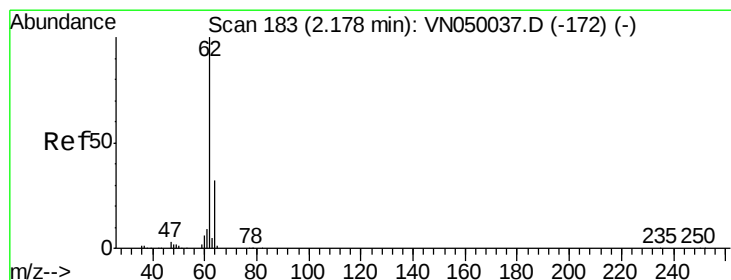
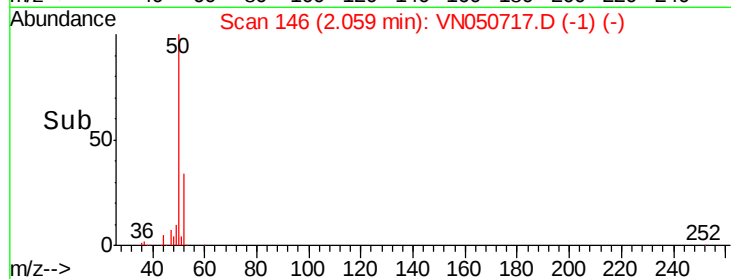
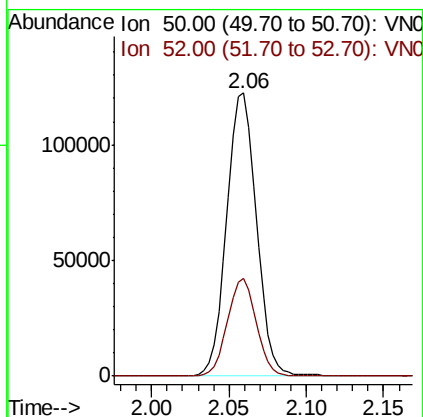
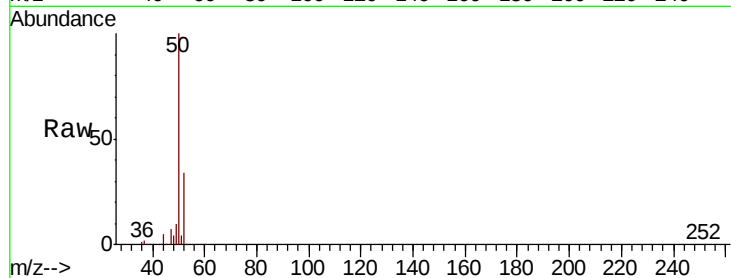
52 34.3 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.76 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.01 min

Lab File: VN050717.D

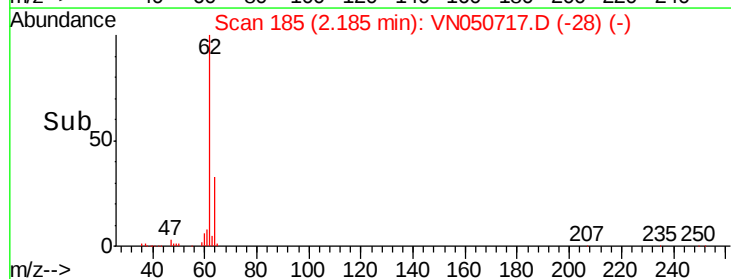
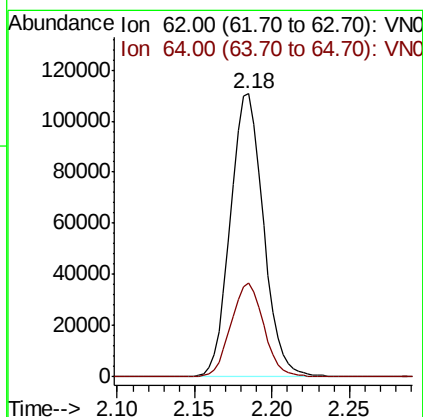
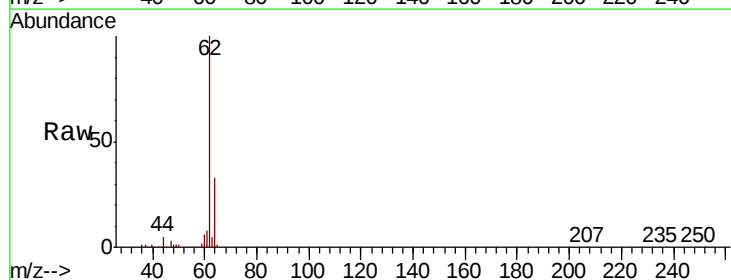
Acq: 17 Aug 2018 9:12

Tgt Ion: 62 Resp: 164411

Ion Ratio Lower Upper

62 100

64 33.1 24.4 36.6





#5

Bromomethane

Concen: 18.42 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS01

Tot Ion: 94 Resp: 98367

Ion Ratio Lower Upper

94 100

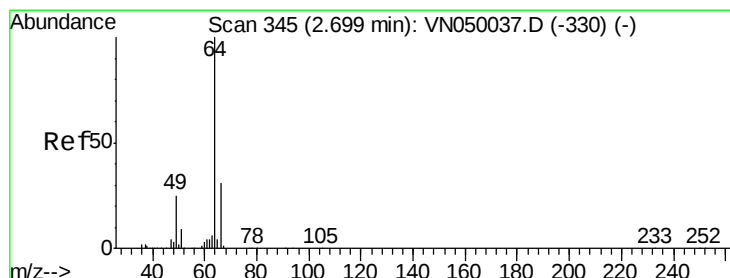
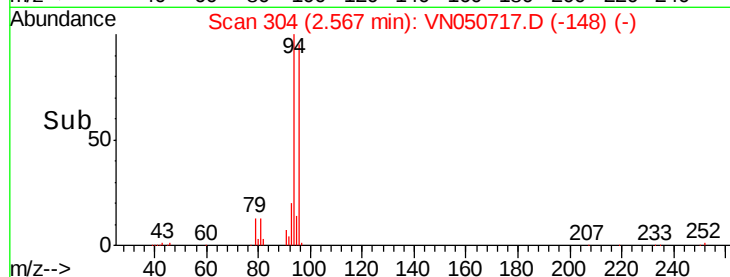
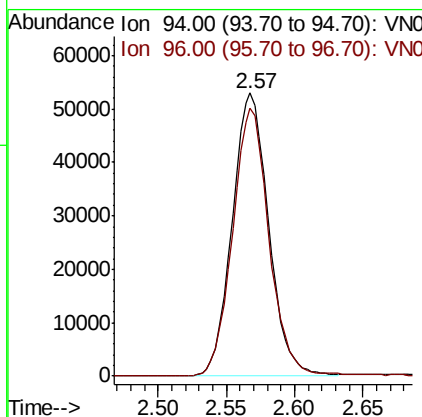
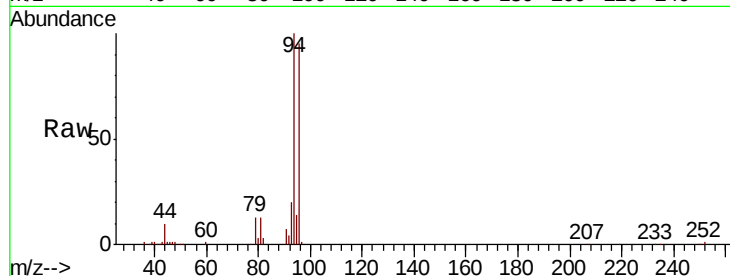
96 94.5 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 19.49 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050717.D

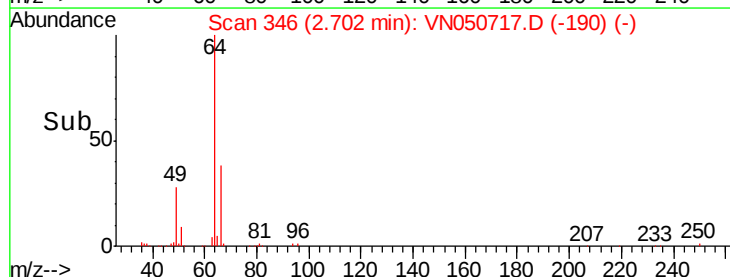
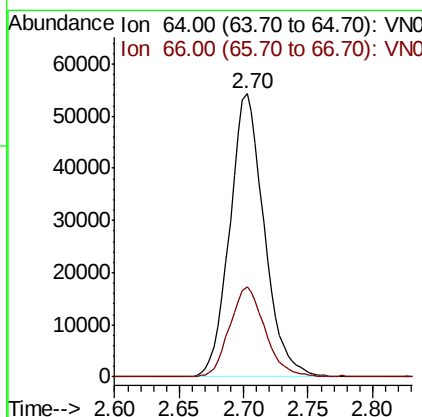
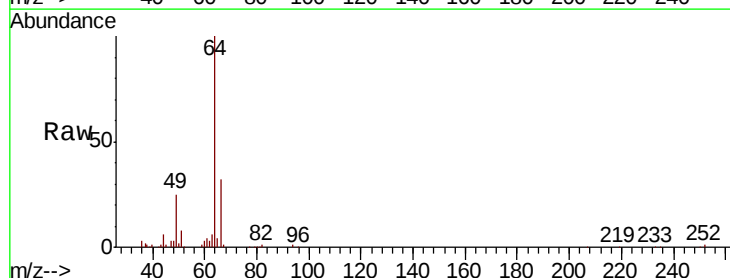
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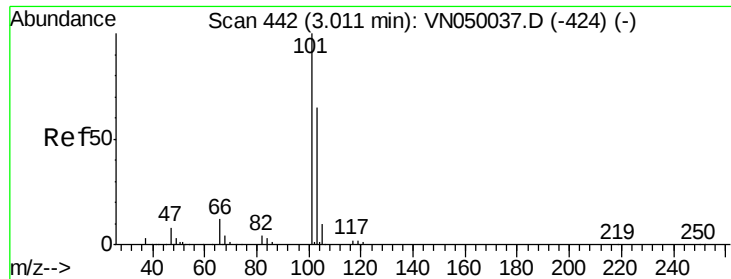
Tgt Ion: 64 Resp: 100999

Ion Ratio Lower Upper

64 100

66 31.7 25.0 37.4





#7

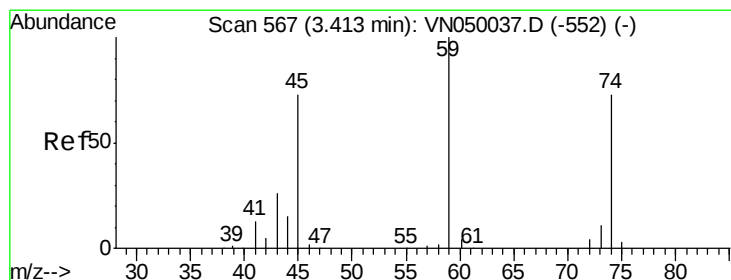
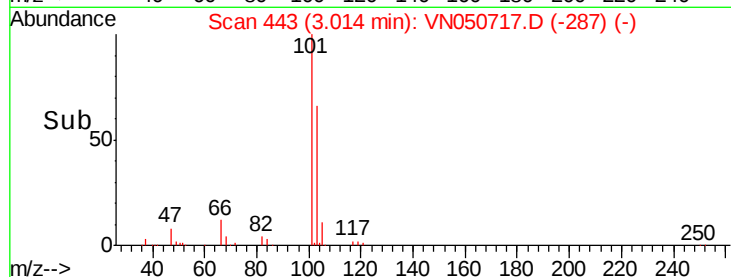
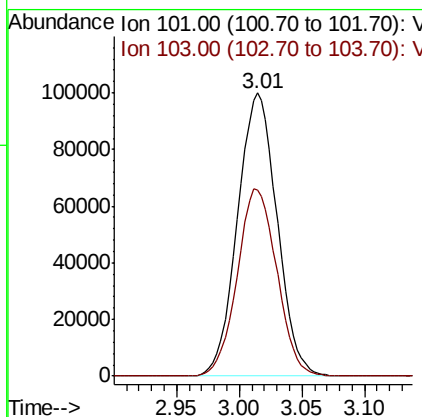
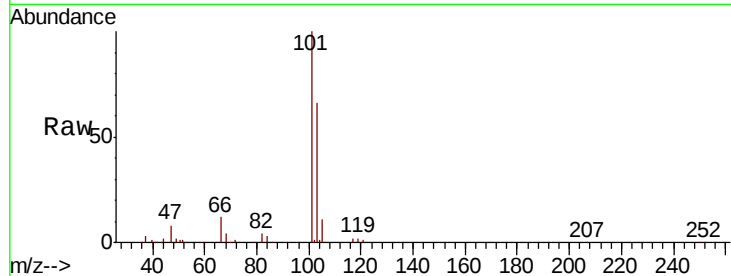
Trichlorofluoromethane
 Concen: 19.15 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.5	77.3

Manual Integrations
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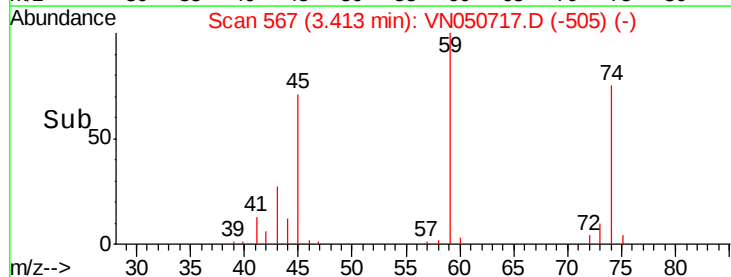
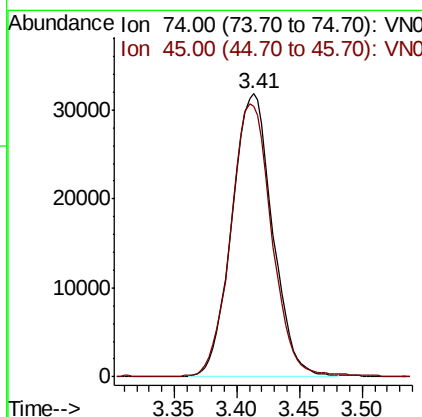
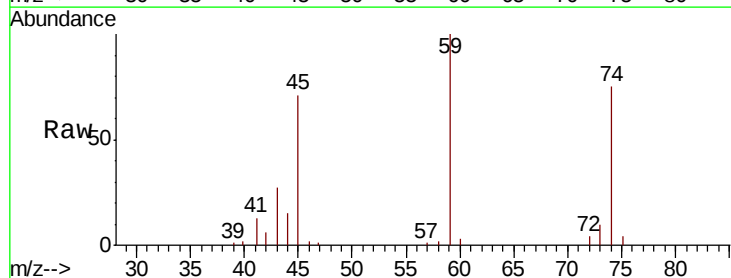
MMDadoda
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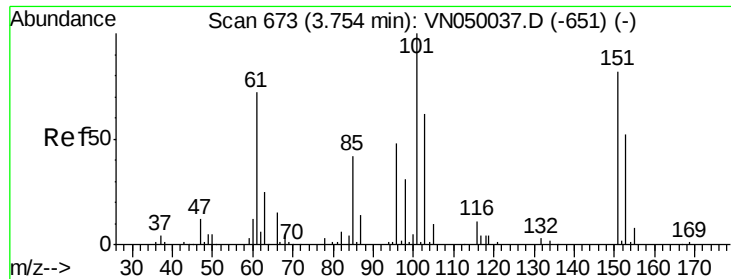


#8

Diethyl Ether
 Concen: 18.69 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	18.7	167.9





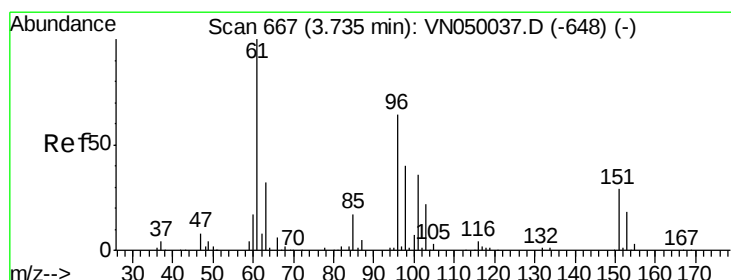
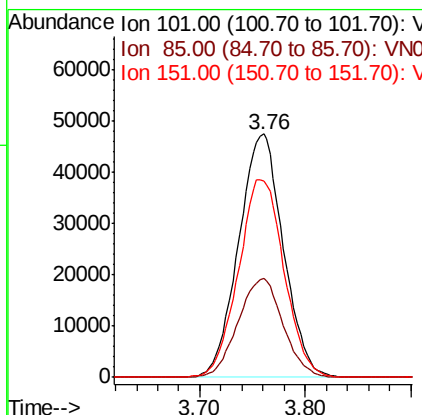
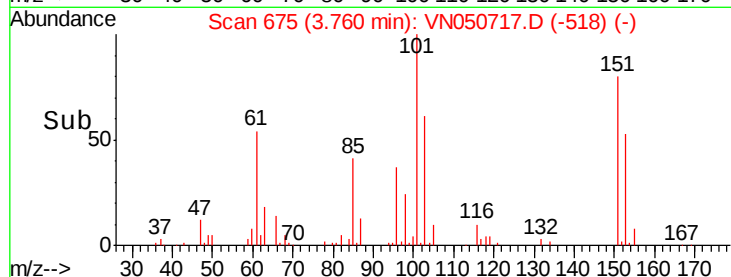
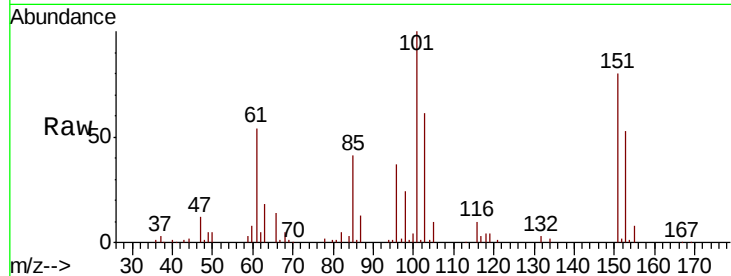
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.02 ug/l
 RT: 3.76 min Scan# 675
 Delta R.T. 0.01 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	139467		
85	40.9	0.0	83.0	
151	83.1	0.0	166.8	

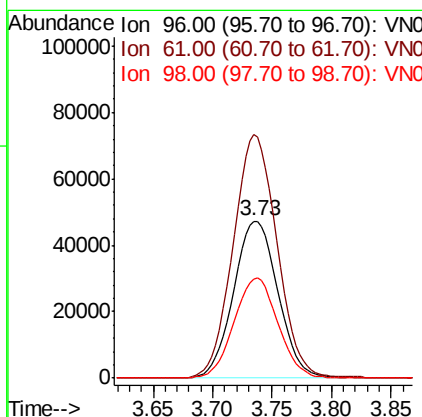
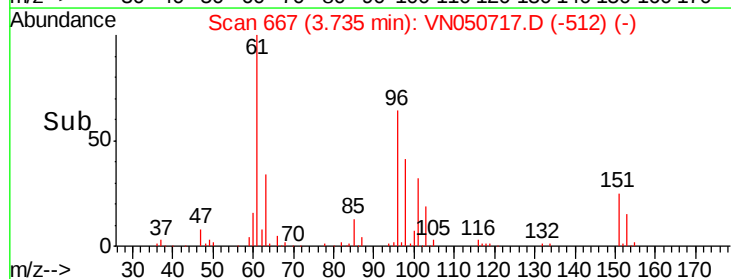
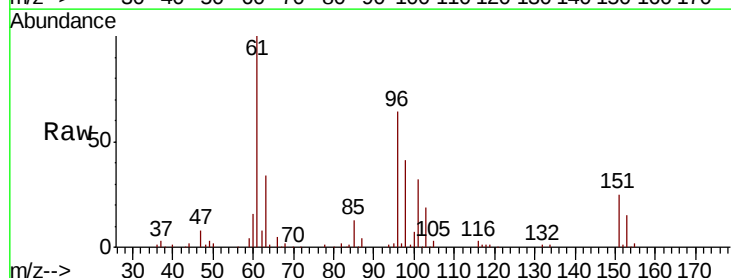
Manual Integrations
 APPROVED

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 8/20/2018 10:35:58 AM



#10
 1,1-Dichloroethene
 Concen: 19.82 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	122402		
61	154.7	130.6	195.8	
98	62.9	53.5	80.3	





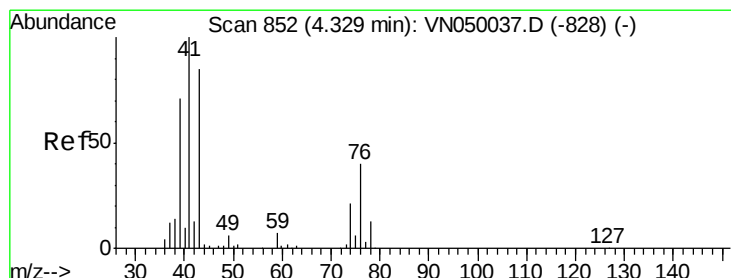
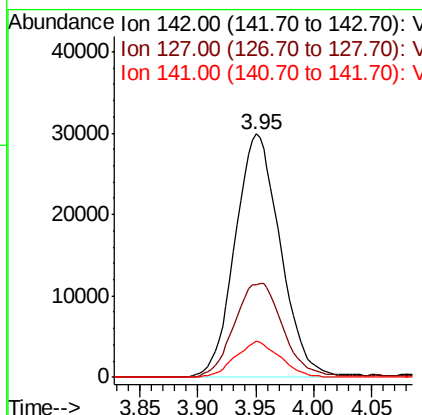
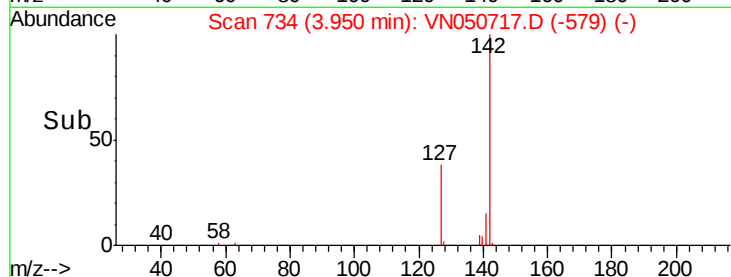
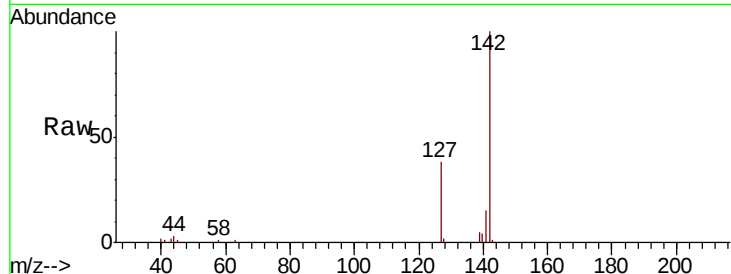
#11
Methyl Iodide
Concen: 8.93 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.9	20.2	60.5
141	14.7	6.9	20.6

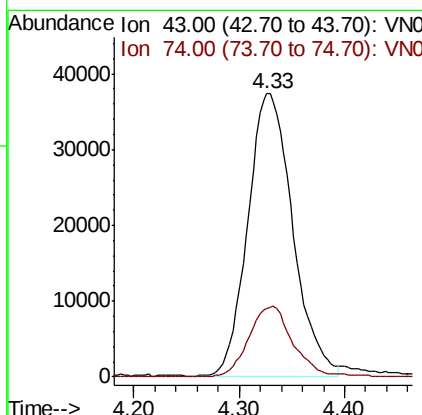
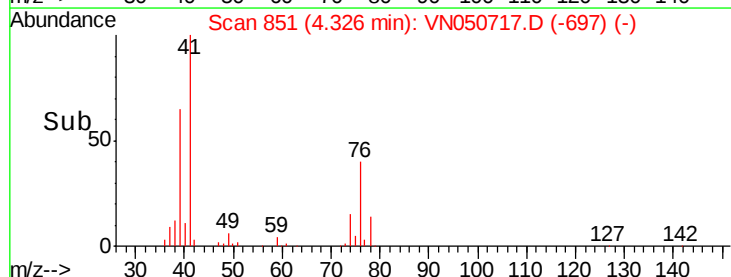
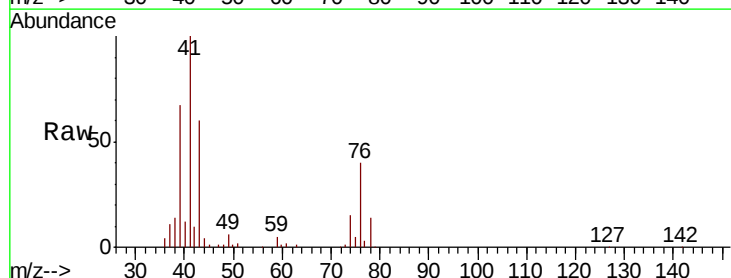
Manual Integrations
APPROVED

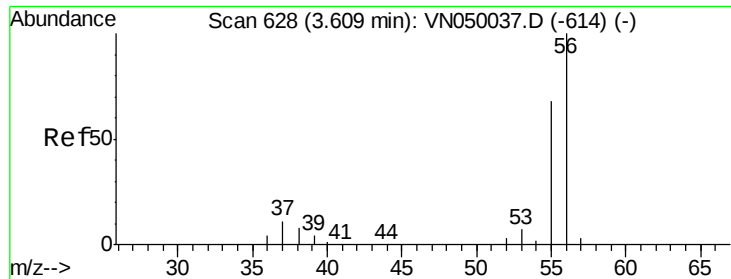
MMDadoda
8/20/2018 10:35:58 AM



#12
Methyl Acetate
Concen: 15.72 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.3	28.9





#13

Acrolein

Concen: 80.69 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS01

Tot Ion: 56 Resp: 35282

Ion Ratio Lower Upper

56 100

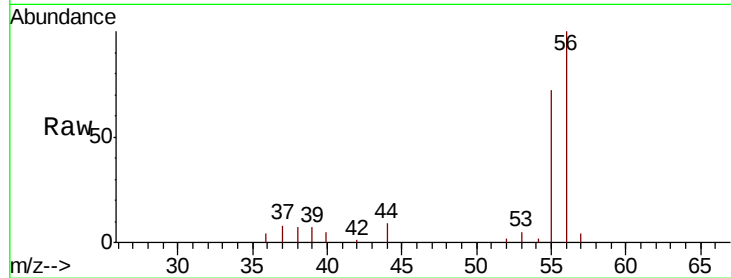
55 73.1 58.6 88.0

Manual Integrations

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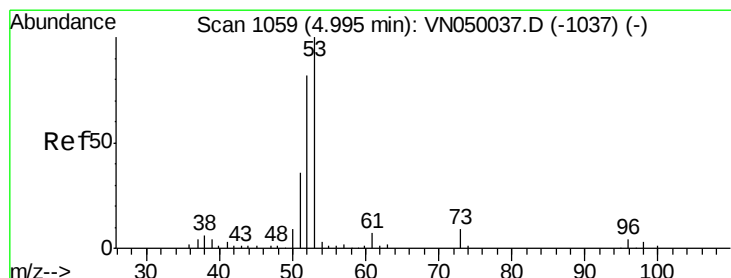
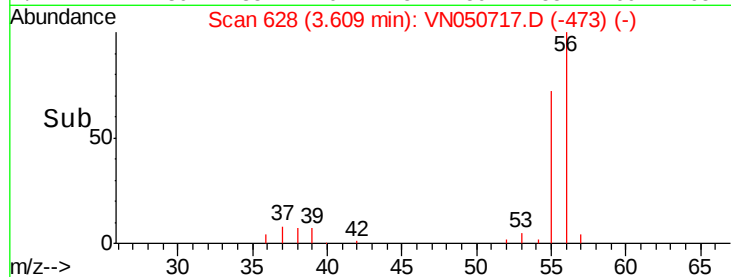
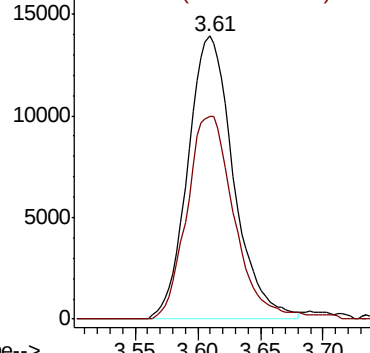
MMDadoda

8/20/2018 10:35:58 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 87.00 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

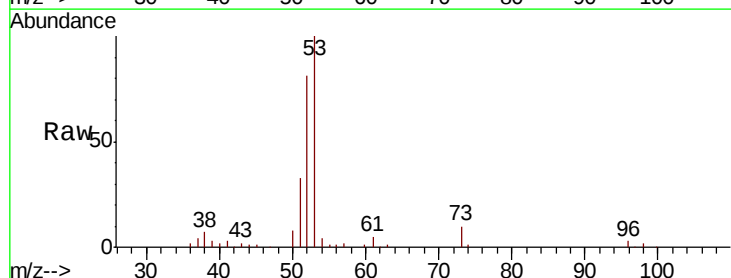
Tgt Ion: 53 Resp: 205390

Ion Ratio Lower Upper

53 100

52 82.3 41.5 124.5

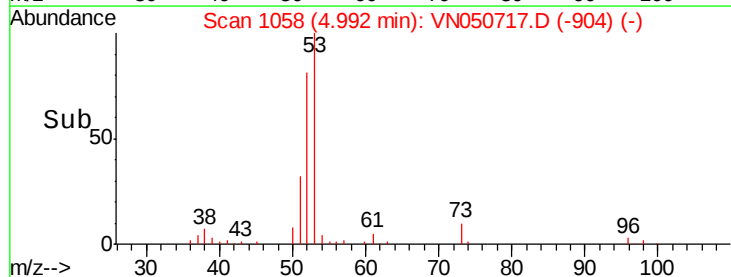
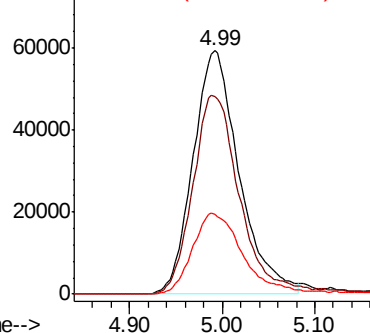
51 36.5 18.7 56.1

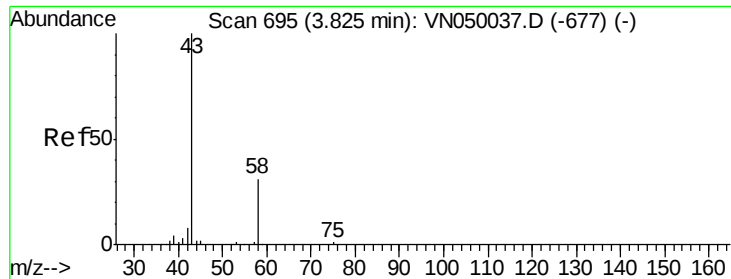


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





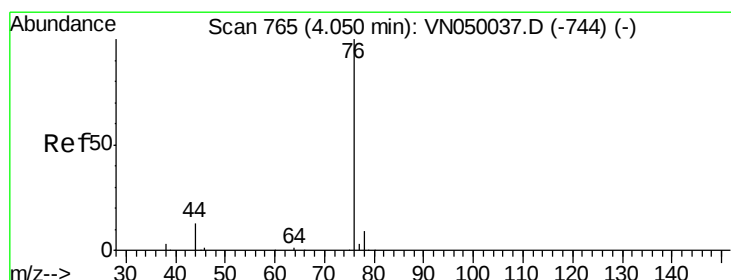
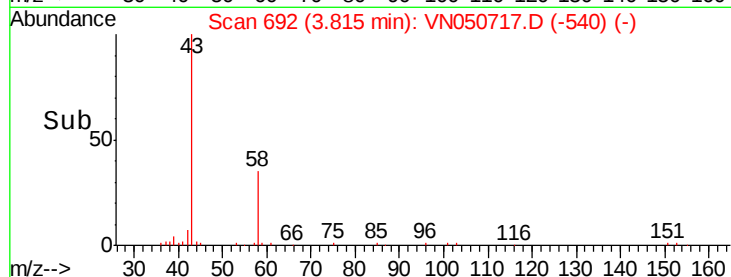
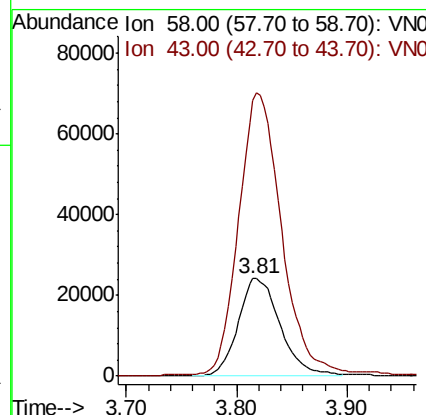
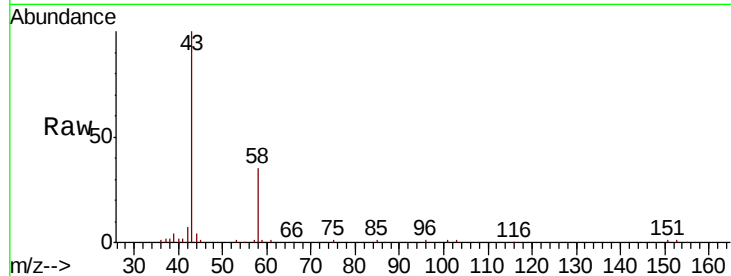
#15
Acetone
Concen: 102.34 ug/l
RT: 3.81 min Scan# 692
Delta R.T. -0.01 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

Tot Ion: 58 Resp: 64209
Ion Ratio Lower Upper
58 100
43 279.9 252.0 378.0

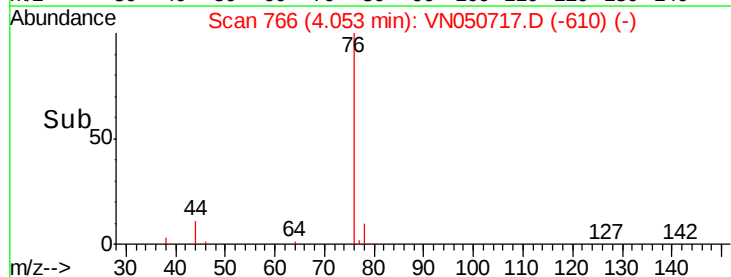
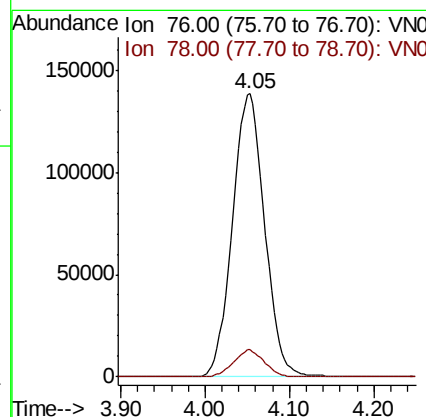
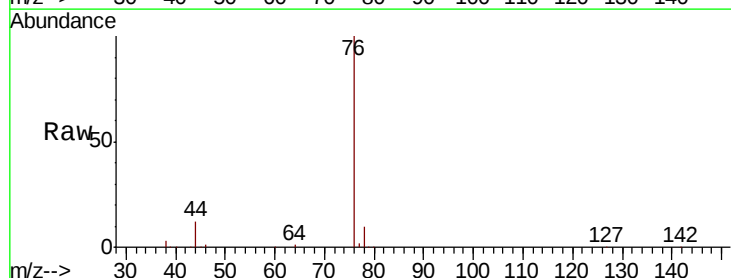
Manual Integrations
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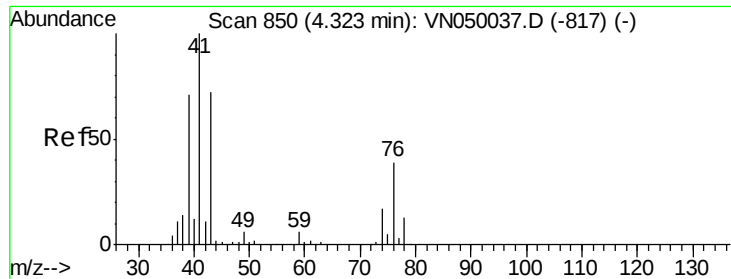
MMDadoda
8/20/2018 10:35:58 AM



#16
Carbon Disulfide
Concen: 19.45 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion: 76 Resp: 367577
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9





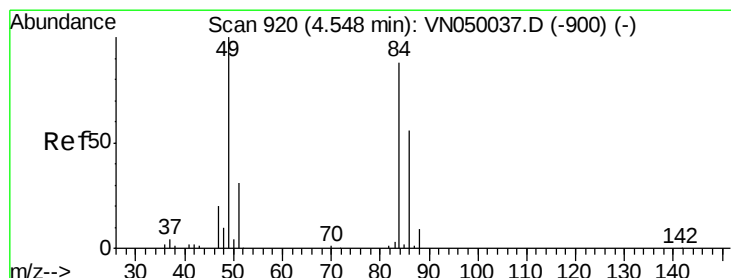
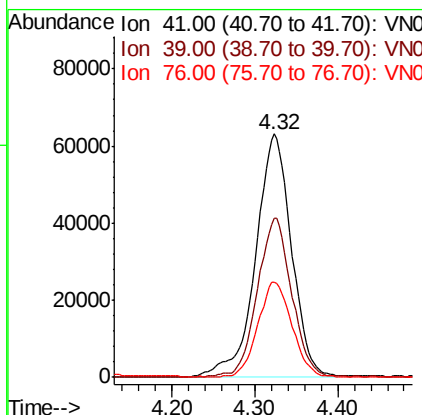
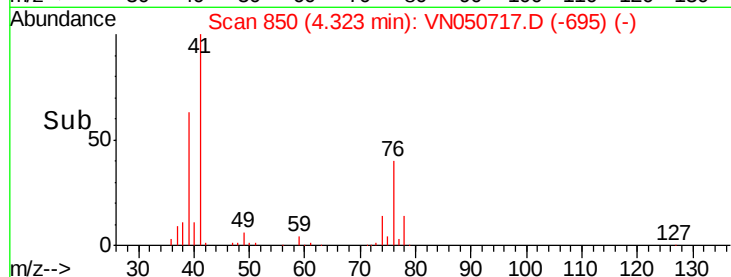
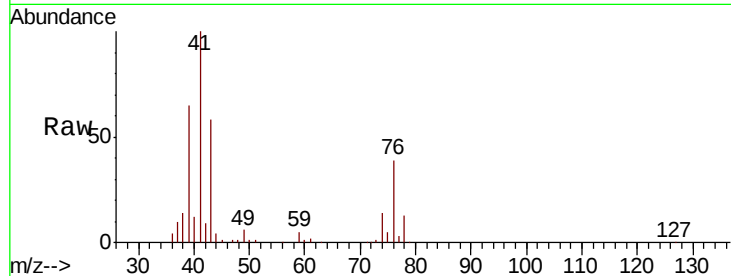
#17
Allvl chloride
Concen: 19.46 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	189821		
39	65.3		35.4	106.3
76	38.9		19.7	59.1

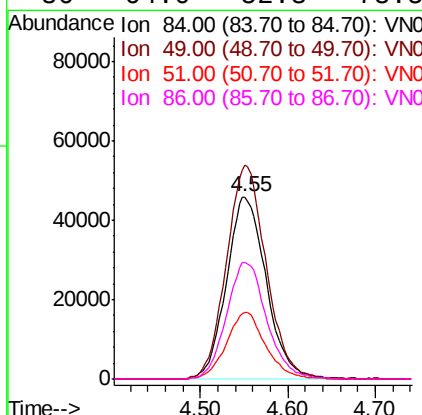
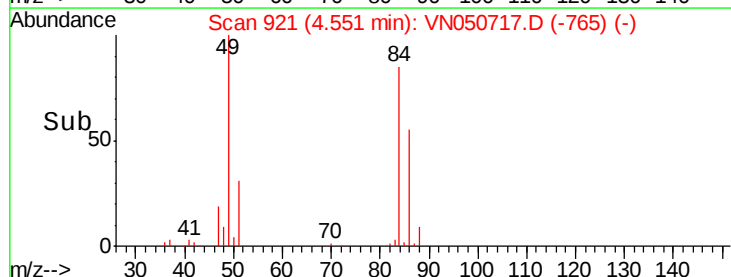
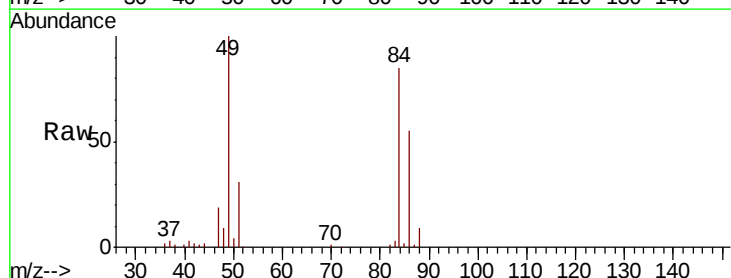
Manual Integrations
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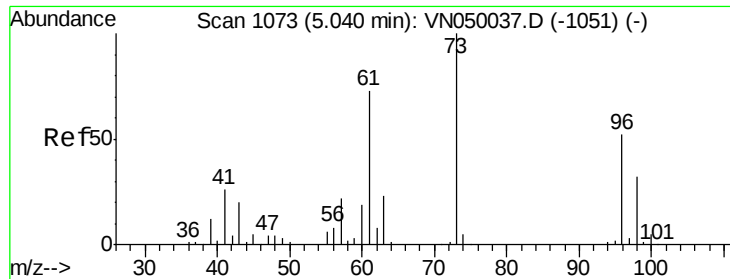
MMDadoda
8/20/2018 10:35:58 AM



#18
Methylene Chloride
Concen: 20.28 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	144554		
49	116.6		95.1	142.7
51	36.9		28.8	43.2
86	64.0		52.3	78.5





#19

trans-1,2-Dichloroethene

Concen: 20.23 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Instrument :

MSVOA_N

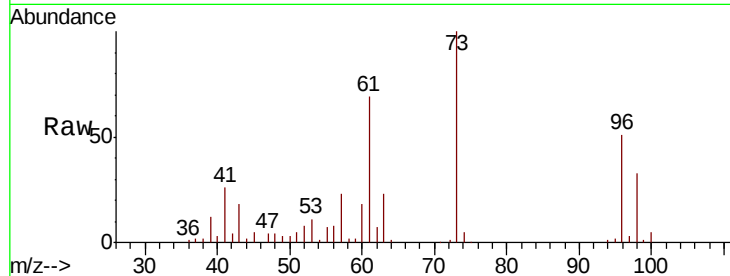
ClientSampleId :

VN0817WBS01

Tot Ion:	96	Resp:	133769
Ion	Ratio	Lower	Upper
96	100		
61	133.0	112.1	168.1
98	63.7	51.3	76.9

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:35:58 AM

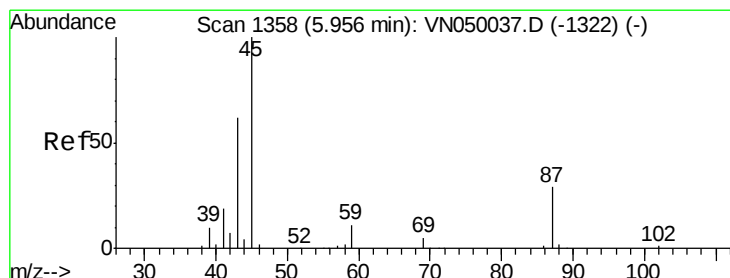
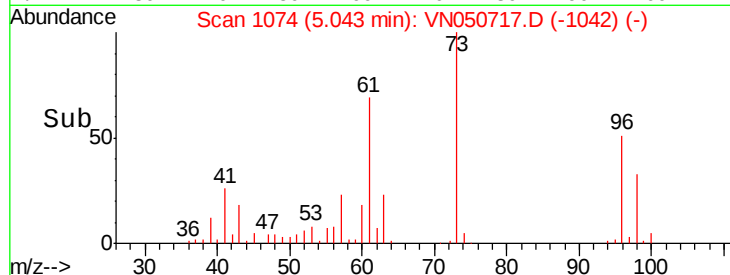
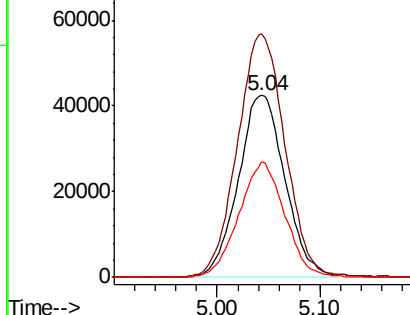


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20

Diisopropyl ether

Concen: 20.79 ug/l

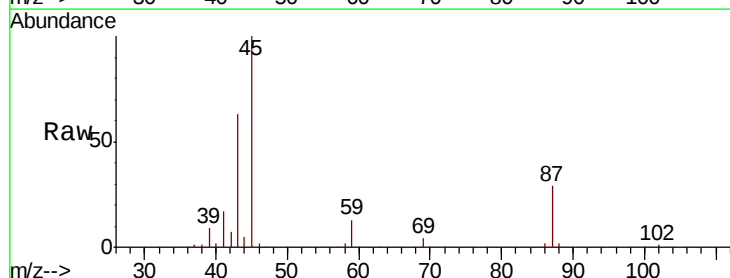
RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Tgt Ion:	45	Resp:	415794
Ion	Ratio	Lower	Upper
45	100		
43	61.5	46.6	70.0
87	28.7	22.3	33.5
59	12.5	9.5	14.3



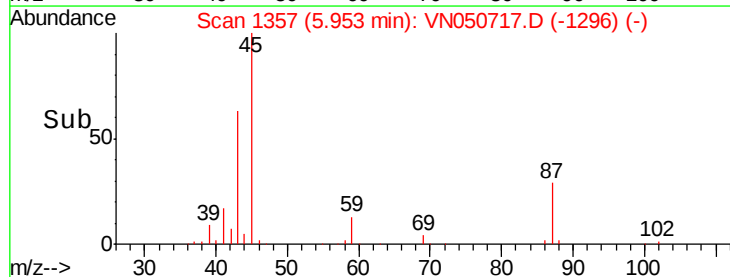
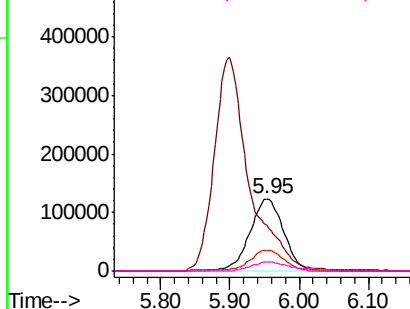
Abundance

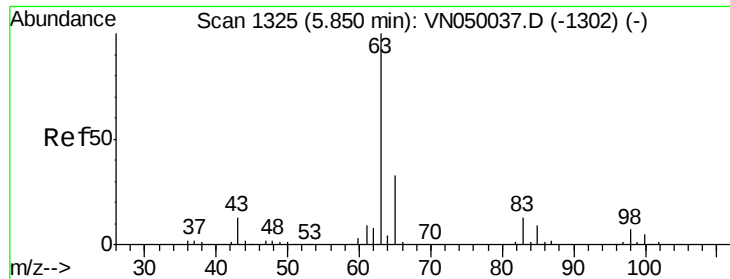
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





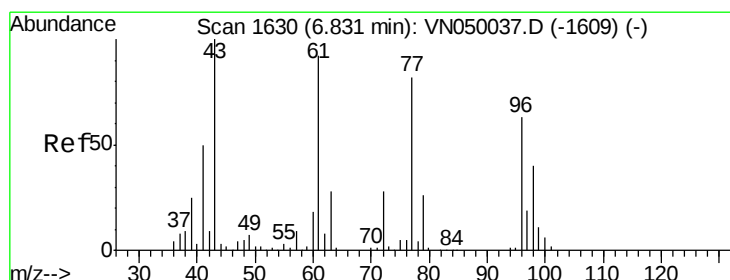
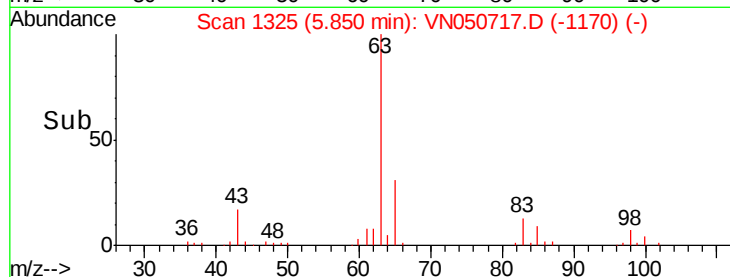
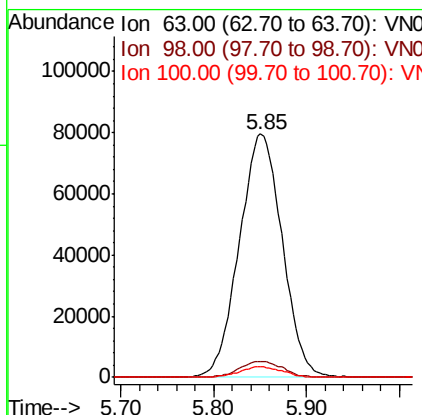
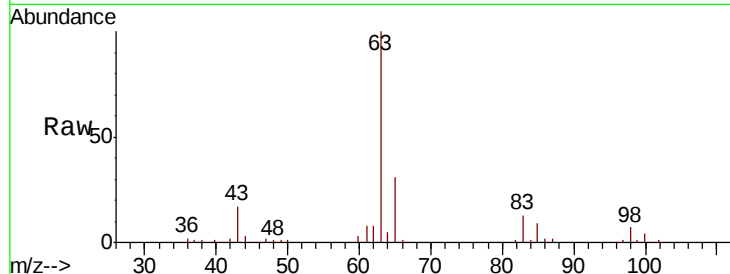
#21
 1,1-Dichloroethane
 Concen: 20.31 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN0817WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	255439		
98	6.5		3.5	10.6
100	4.5		2.3	6.8

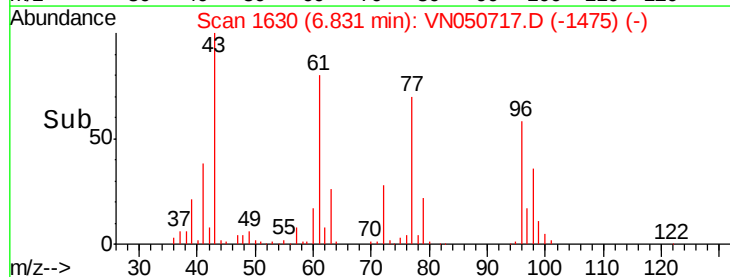
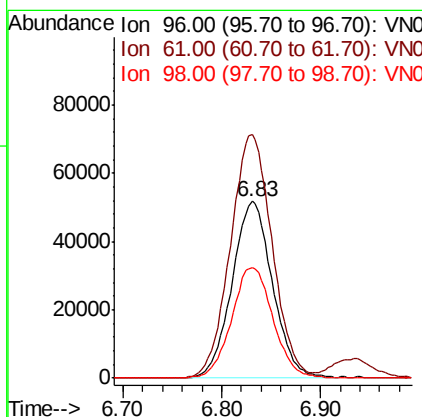
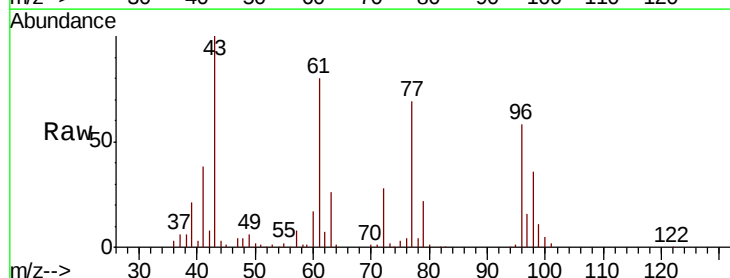
Manual Integrations
 APPROVED

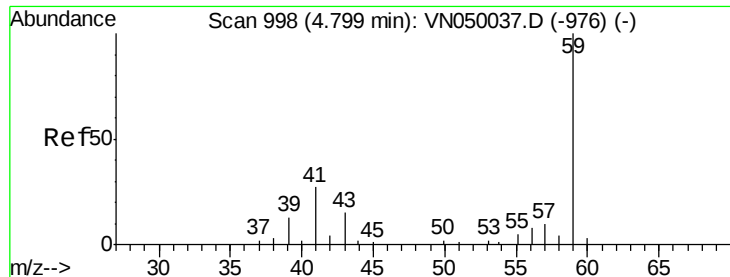
MMDadoda
 8/20/2018 10:35:58 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.13 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	147611		
61	142.3		114.2	171.2
98	64.1		51.7	77.5





#23

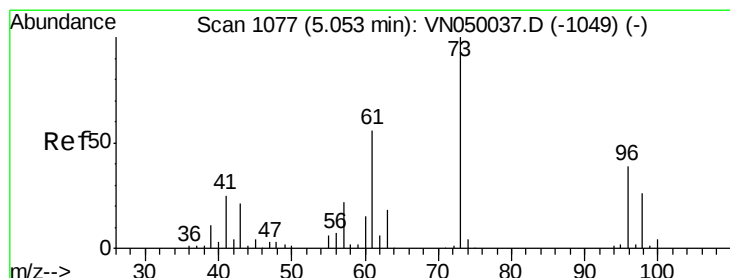
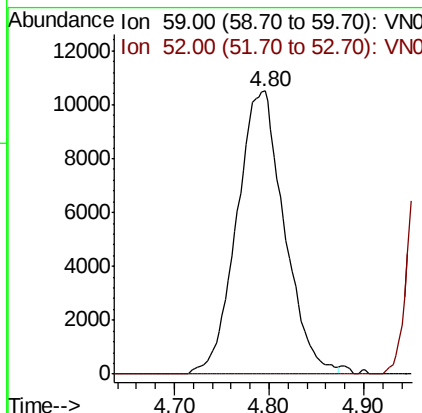
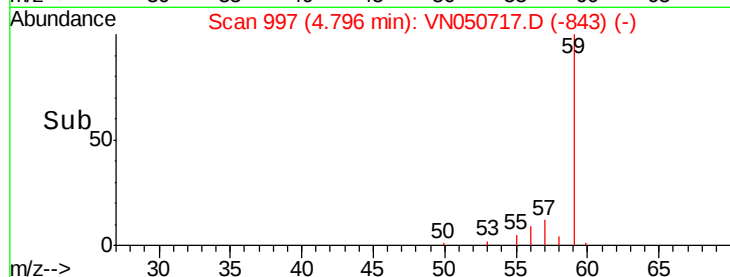
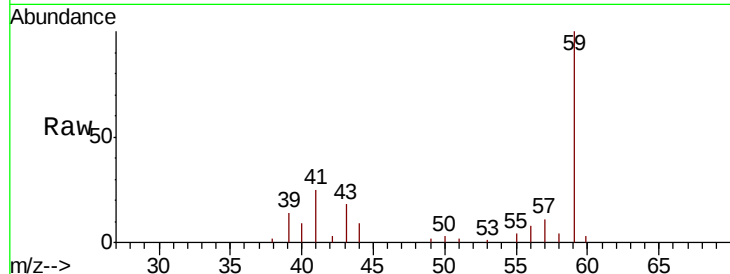
tert-Butyl Alcohol
 Concen: 69.33 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

Manual Integrations
 APPROVED

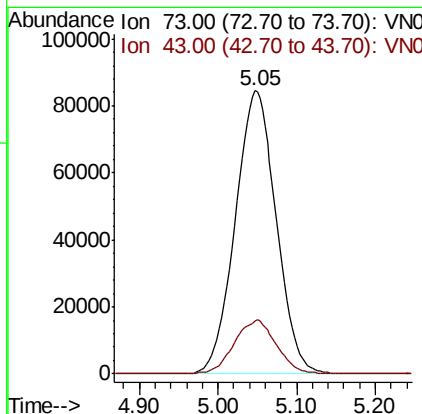
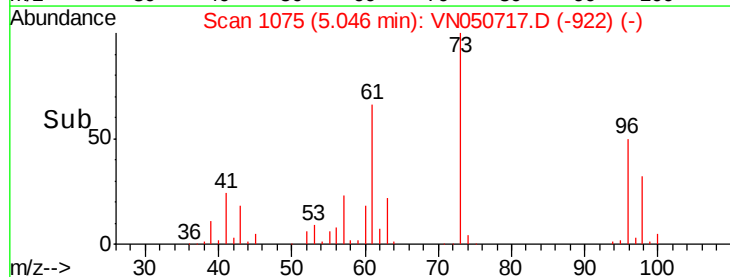
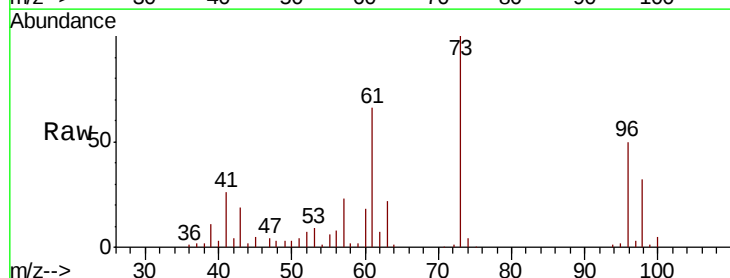
MMDadoda
 8/20/2018 10:35:58 AM

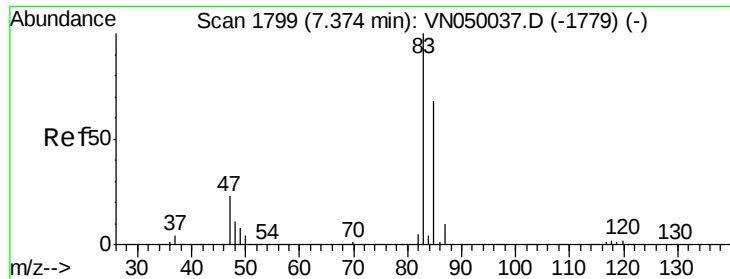


#24

Methyl tert-Butyl Ether
 Concen: 18.26 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.7	15.5	23.3





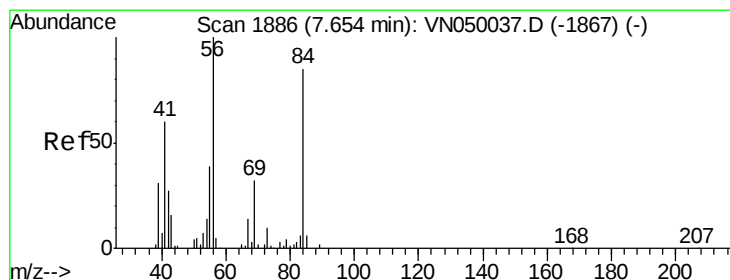
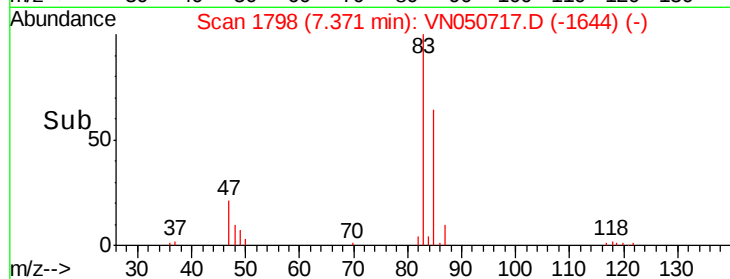
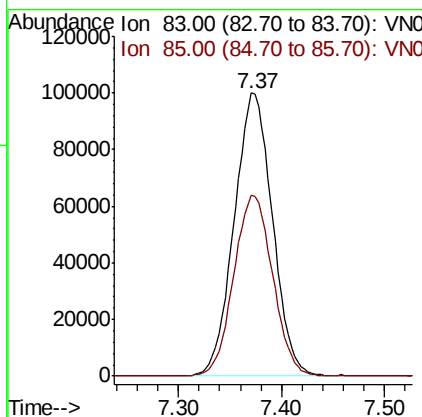
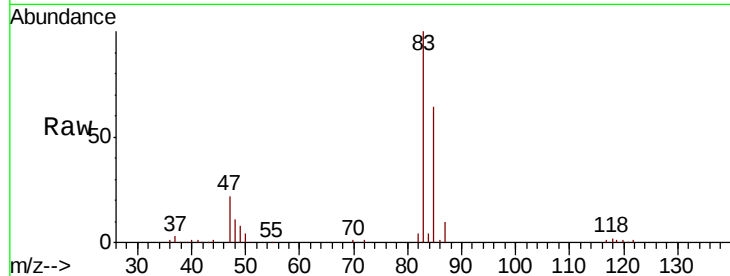
#25
Chloroform
Concen: 20.31 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Instrument :
MSVOA_N
ClientSampled :
VN0817WBS01

Tot Ion	83	85	Ratio	Lower	Upper
258600	100	63.7		52.1	78.1

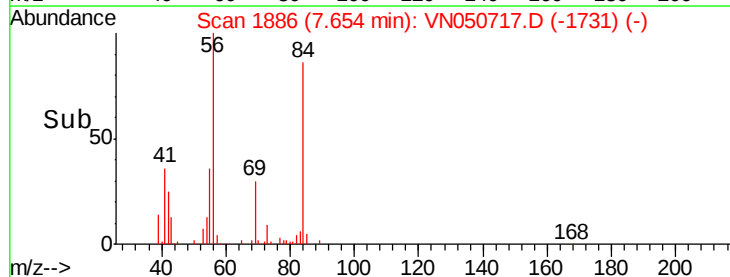
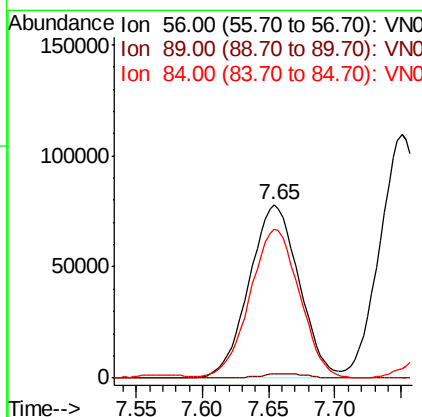
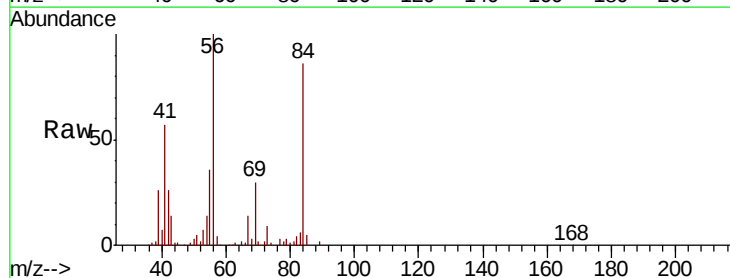
Manual Integrations
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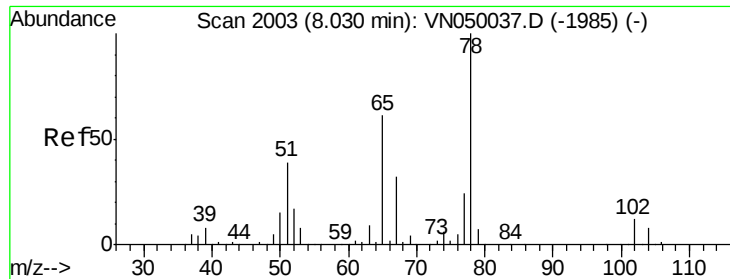
MMDadoda
8/20/2018 10:35:58 AM



#26
Cyclohexane
Concen: 20.46 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion	56	89	84	Ratio	Lower	Upper
204448	100	2.4	84.6		3.0	104.8





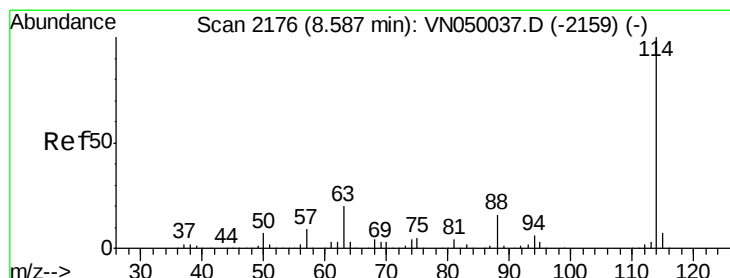
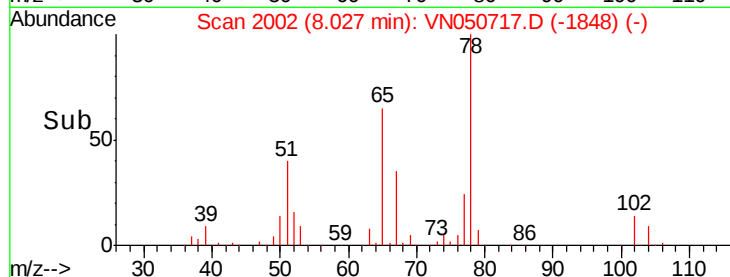
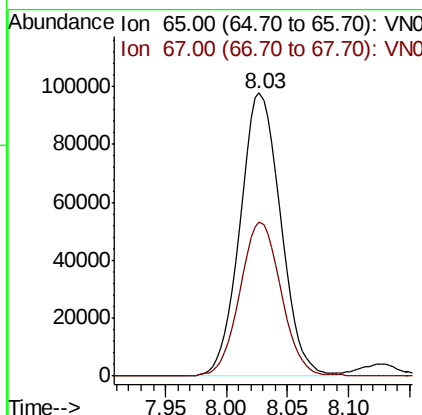
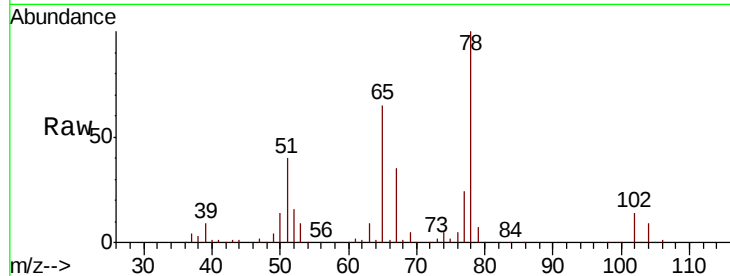
#27
 1,2-Dichloroethane-d4
 Concen: 28.63 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN0817WBS01

Tot Ion: 65 Resp: 225436
 Ion Ratio Lower Upper
 65 100
 67 55.3 42.7 64.1

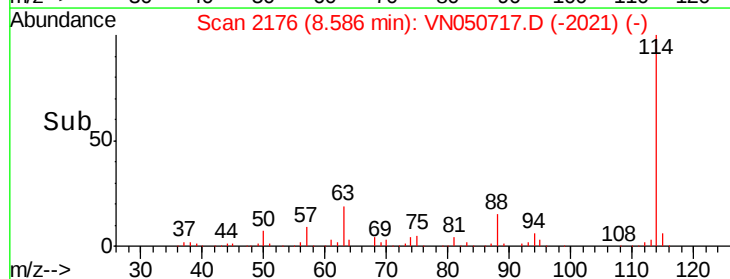
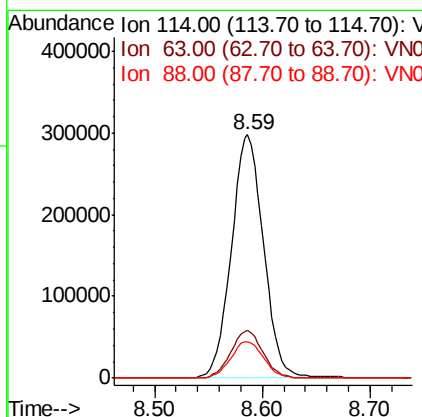
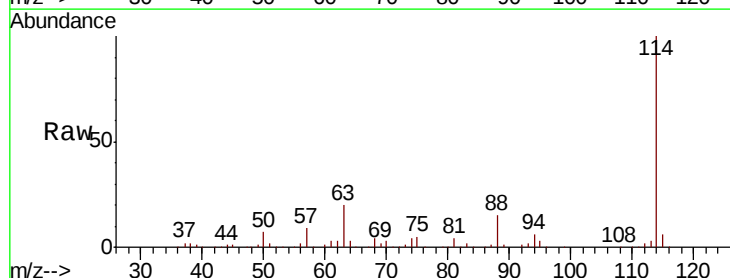
Manual Integrations
 APPROVED

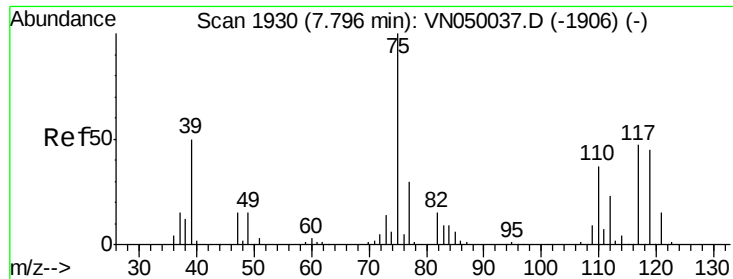
MMDadoda
 8/20/2018 10:35:58 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Tgt Ion: 114 Resp: 617690
 Ion Ratio Lower Upper
 114 100
 63 19.8 16.2 24.2
 88 15.4 12.3 18.5





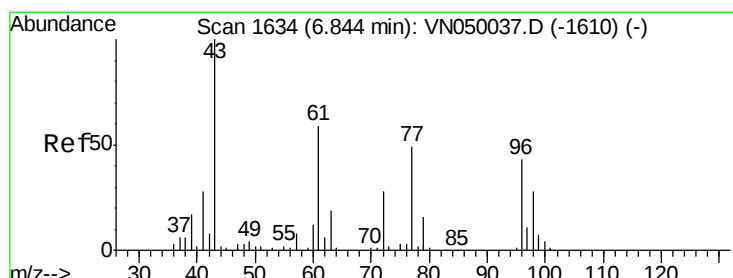
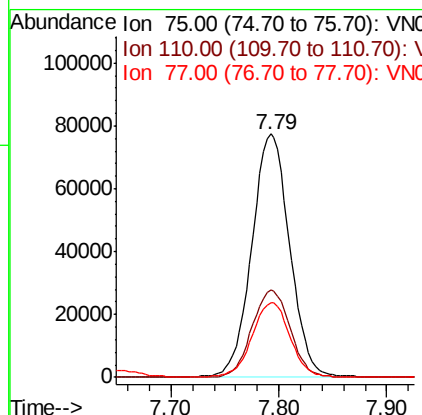
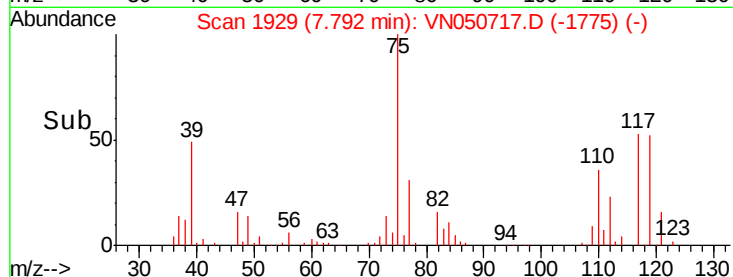
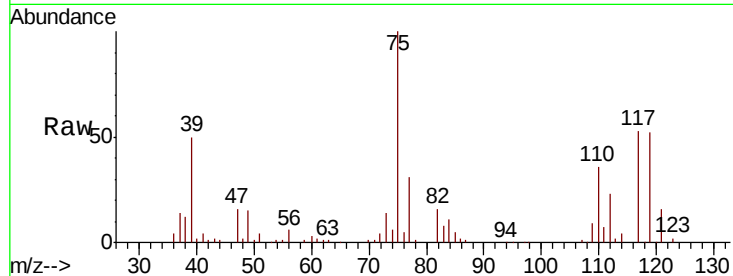
#29
 1,1-Dichloropropene
 Concen: 19.71 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN0817WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.0	0.0	73.2
77	30.9	0.0	62.0

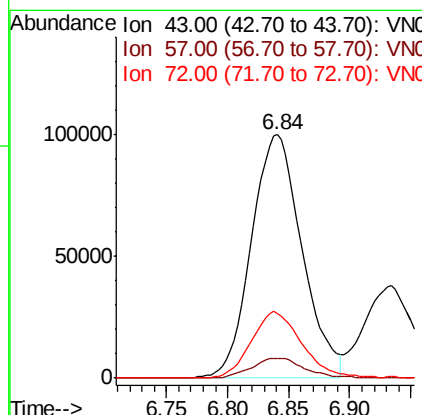
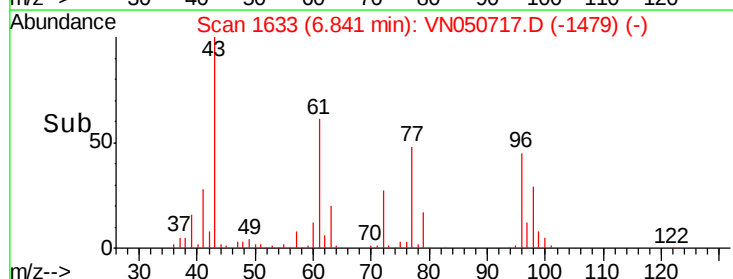
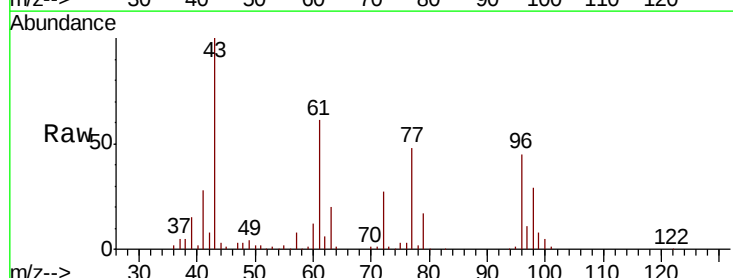
Manual Integrations
 APPROVED

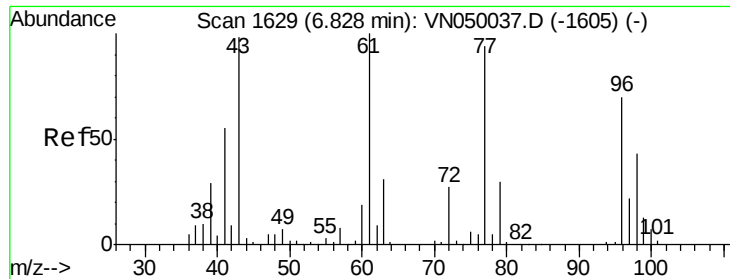
MMDadoda
 8/20/2018 10:35:58 AM



#30
 2-Butanone
 Concen: 95.69 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.8	10.2
72	27.5	21.4	32.0





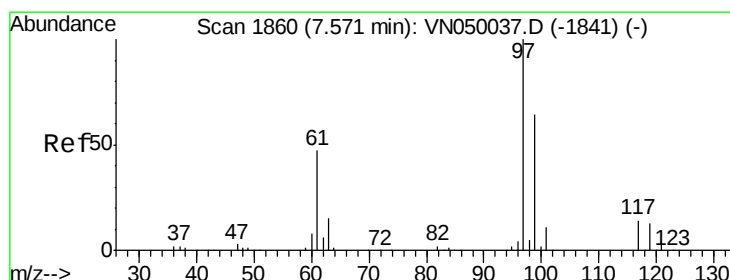
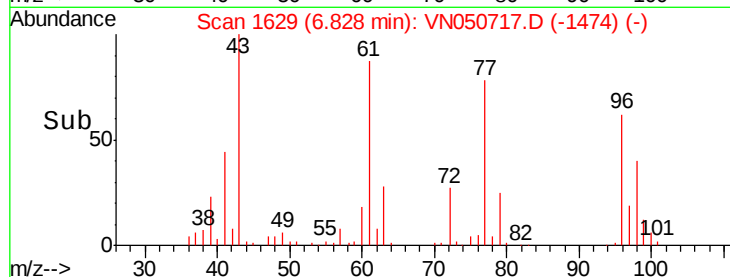
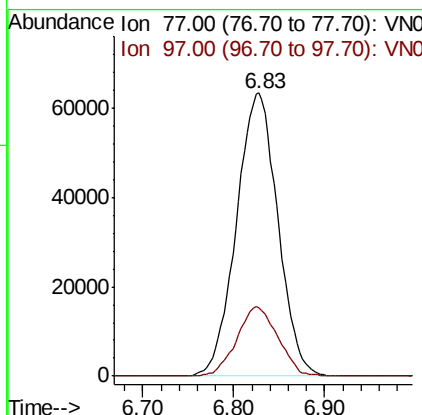
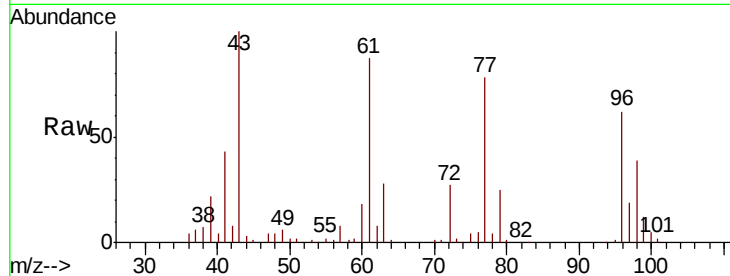
#31
 2,2-Dichloropropane
 Concen: 18.88 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

Tot Ion	Ratio	Lower	Upper
77	100		
97	24.3	18.9	28.3

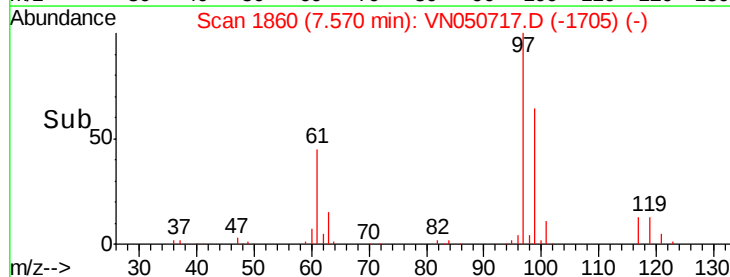
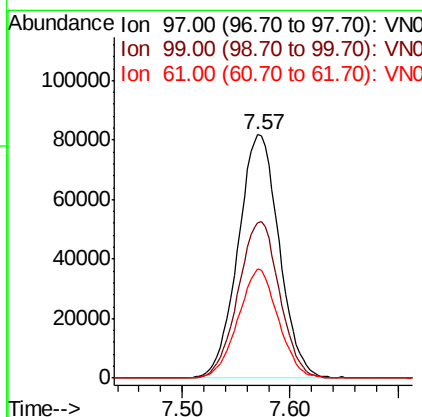
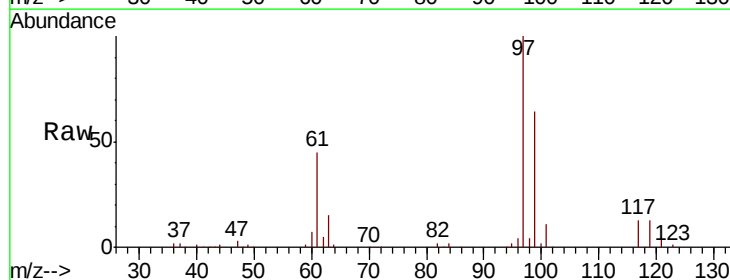
Manual Integrations
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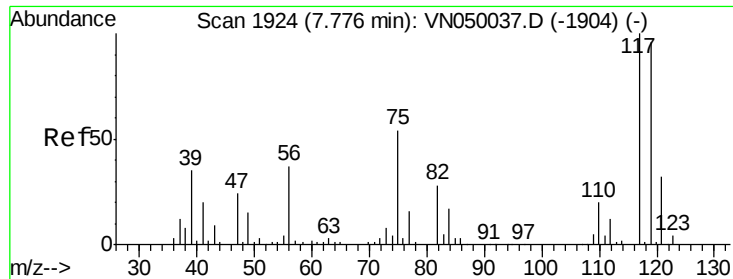
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#32
 1,1,1-Trichloroethane
 Concen: 19.21 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	43.8	35.3	52.9





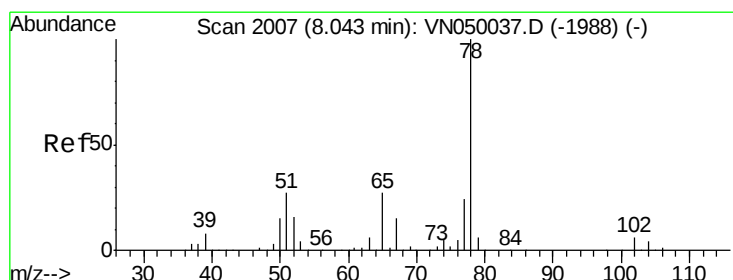
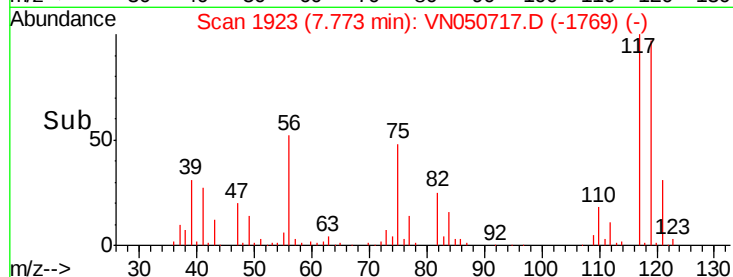
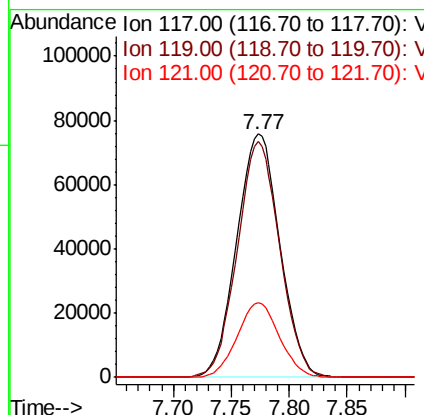
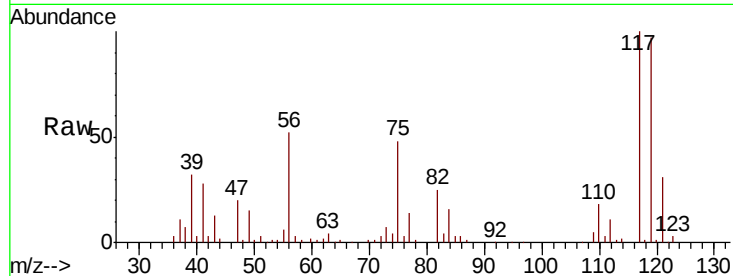
#33
Carbon Tetrachloride
Concen: 19.51 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Instrument :
MSVOA_N
ClientSampled :
VN0817WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.9	115.3
121	30.8	24.4	36.6

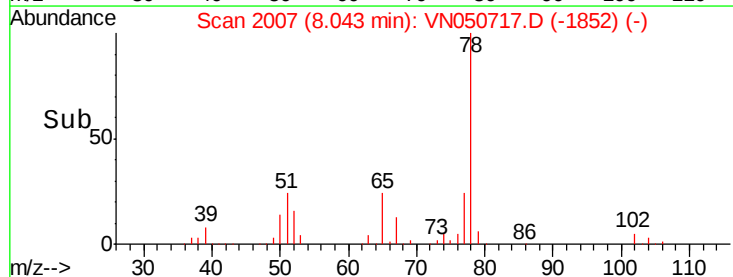
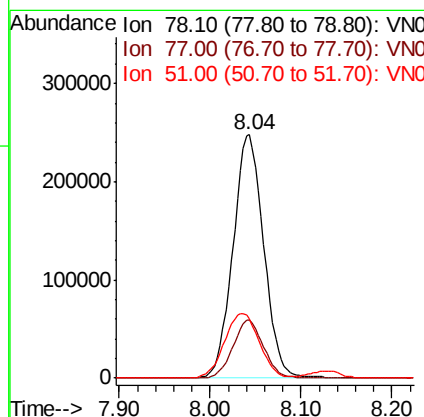
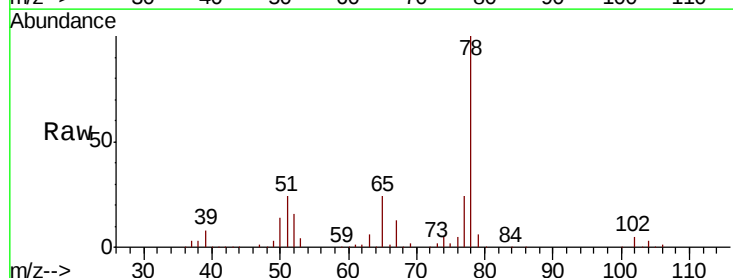
Manual Integrations
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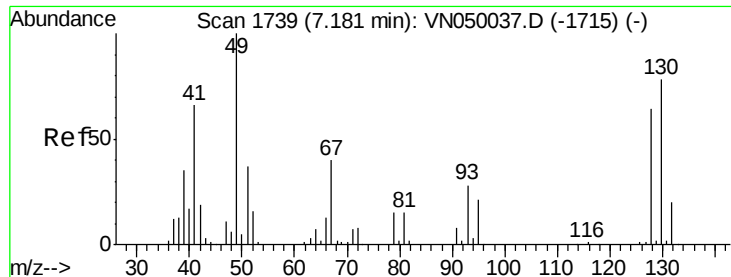
MMDadoda
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#34
Benzene
Concen: 19.94 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7
51	24.3	21.0	31.4





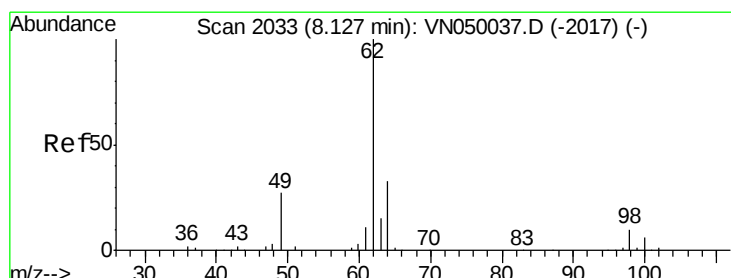
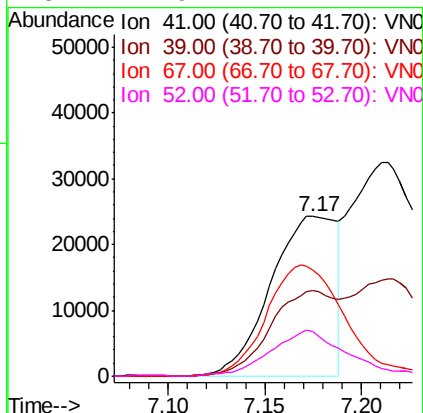
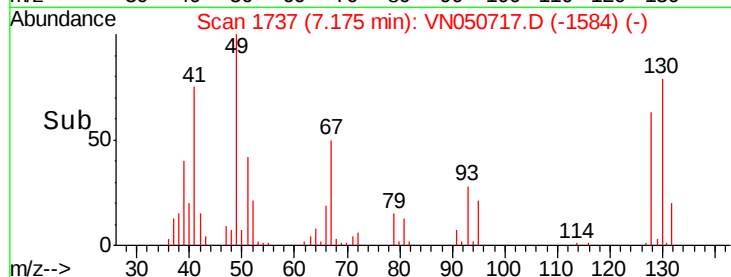
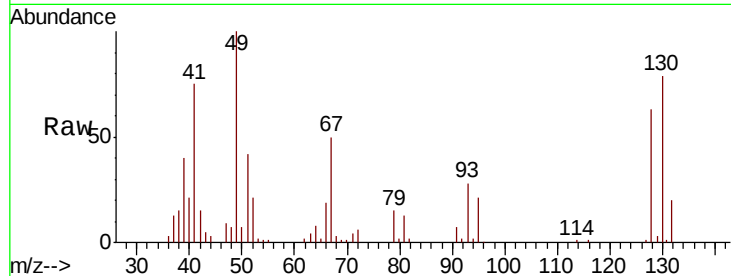
#35
Methacrylonitrile
Concen: 16.79 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

Tot Ion	41	Resp	57502
Ion Ratio	Lower	Upper	
41	100		
39	54.0	27.6	82.7
67	66.6	35.1	105.5
52	27.9	14.1	42.4

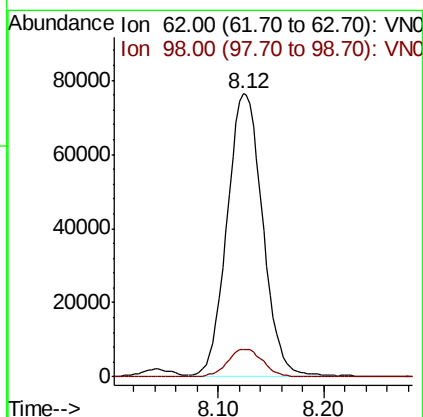
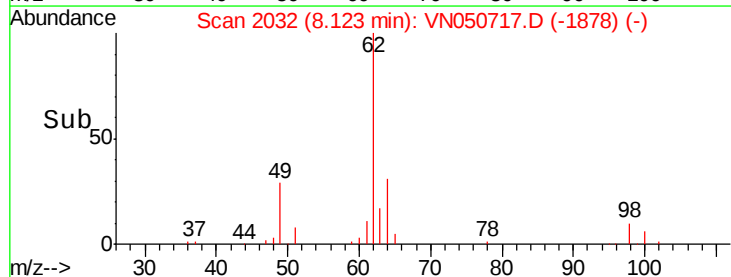
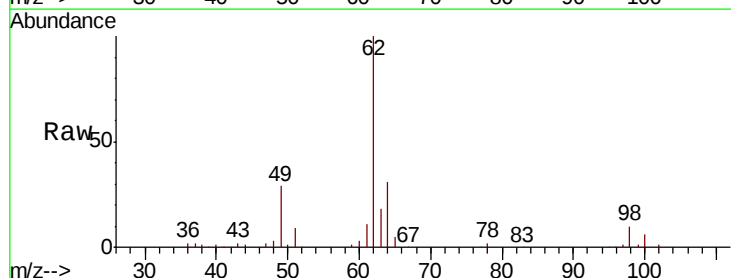
Manual Integrations
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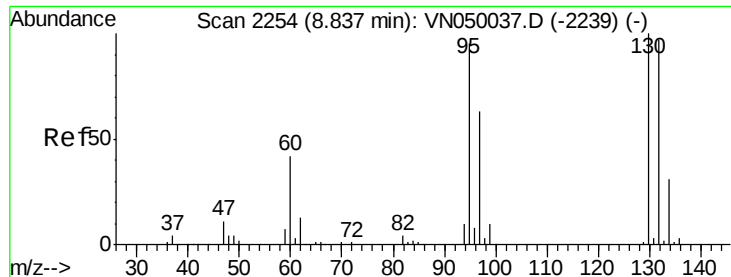
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#36
1,2-Dichloroethane
Concen: 18.77 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion	62	Resp	179389
Ion Ratio	Lower	Upper	
62	100		
98	9.8	7.8	11.6





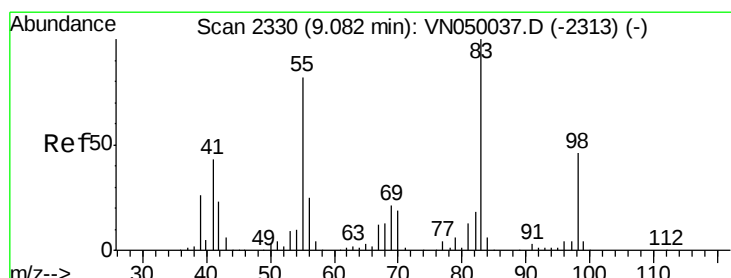
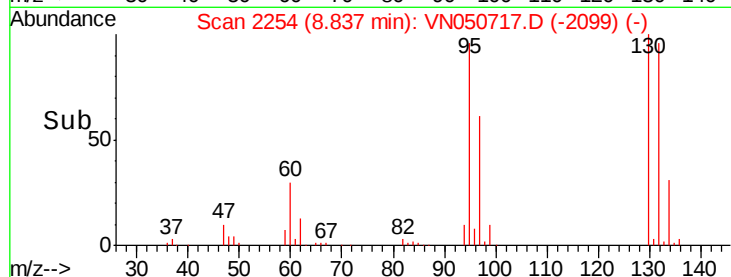
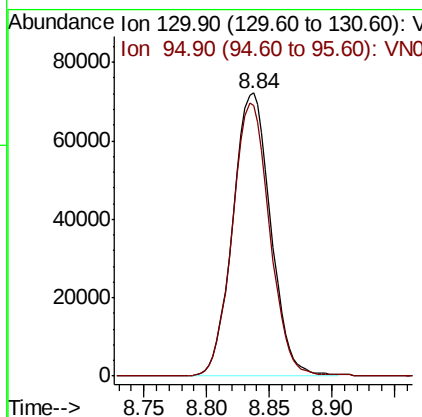
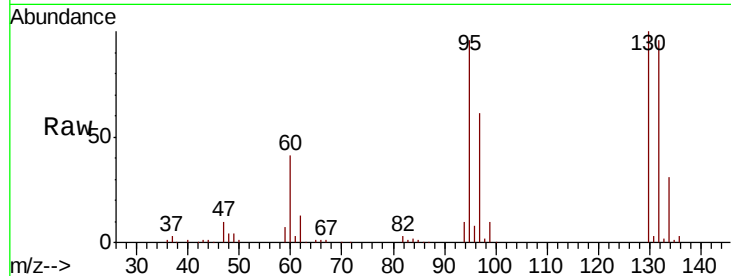
#37
 Trichloroethene
 Concen: 19.84 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

Tot Ion:130 Resp: 151450
 Ion Ratio Lower Upper
 130 100
 95 95.6 79.7 119.5

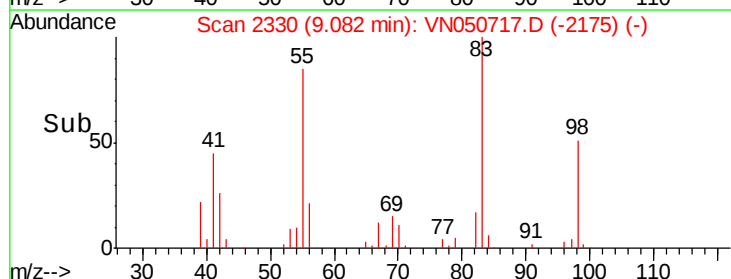
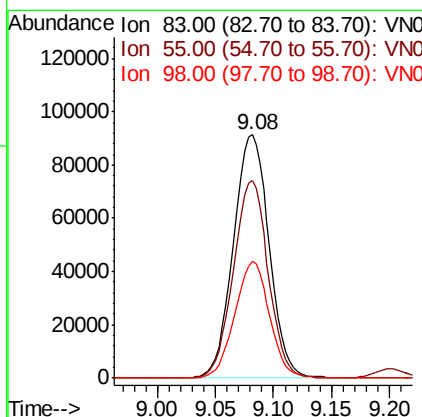
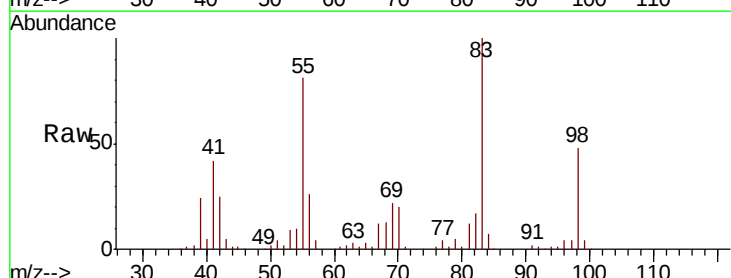
Manual Integrations
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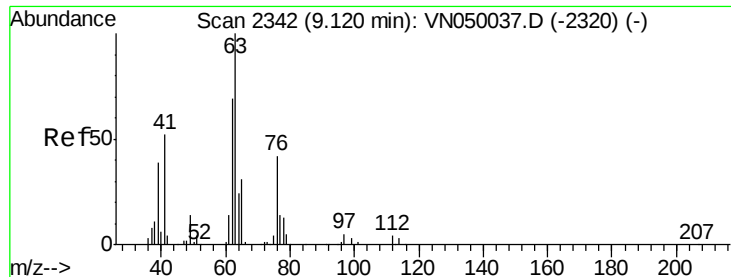
MMDadoda
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#38
 Methylcyclohexane
 Concen: 19.33 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Tgt Ion: 83 Resp: 195361
 Ion Ratio Lower Upper
 83 100
 55 78.8 39.3 117.8
 98 46.5 23.0 69.0





#39

1,2-Dichloropropane

Concen: 19.78 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Instrument :

MSVOA_N

ClientSampled :

VN0817WBS01

Tot Ion: 63 Resp: 151715

Ion Ratio Lower Upper

63 100

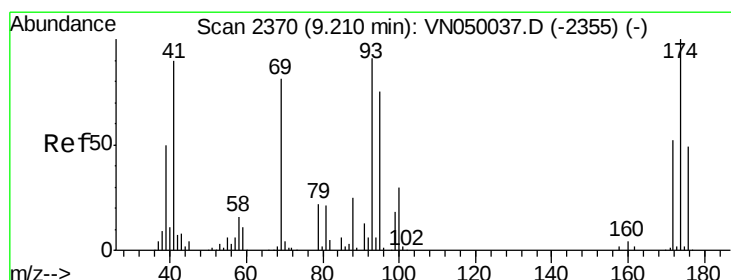
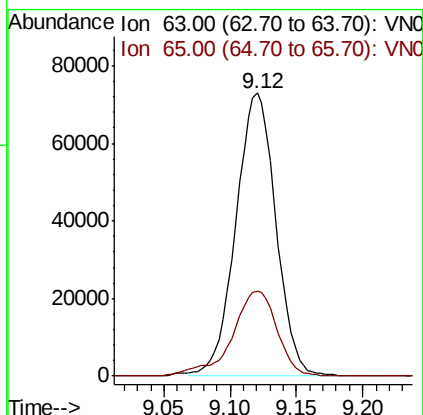
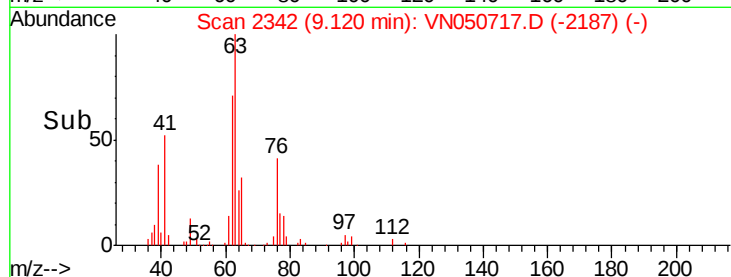
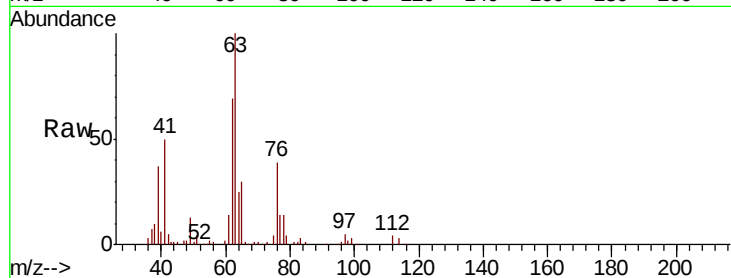
65 30.1 24.2 36.2

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#40

Dibromomethane

Concen: 18.76 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

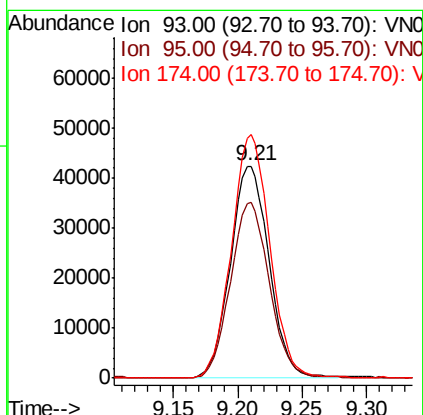
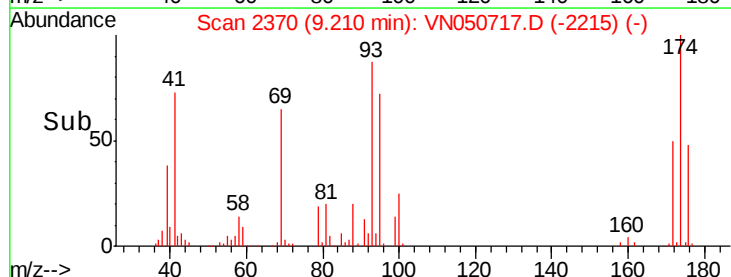
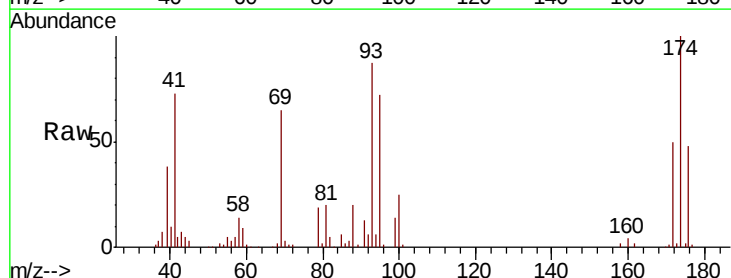
Tgt Ion: 93 Resp: 88903

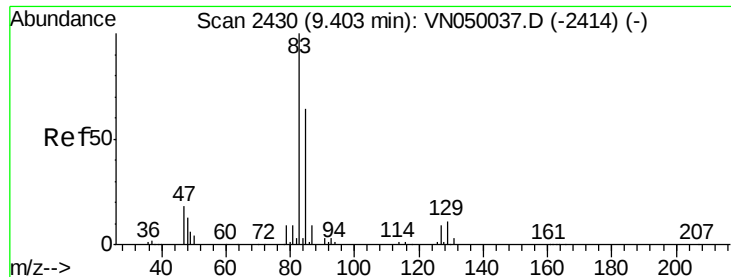
Ion Ratio Lower Upper

93 100

95 83.1 0.0 165.6

174 113.3 0.0 223.2





#41

Bromodichloromethane

Concen: 19.37 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Instrument :

MSVOA_N

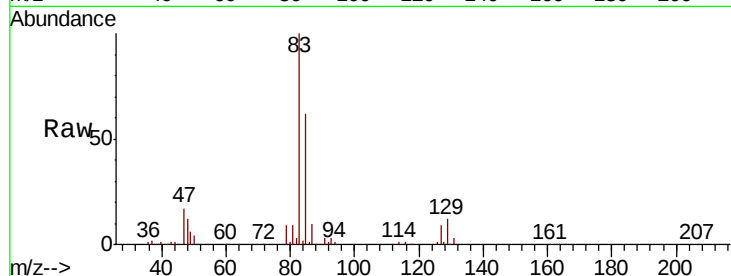
ClientSampleId :

VN0817WBS01

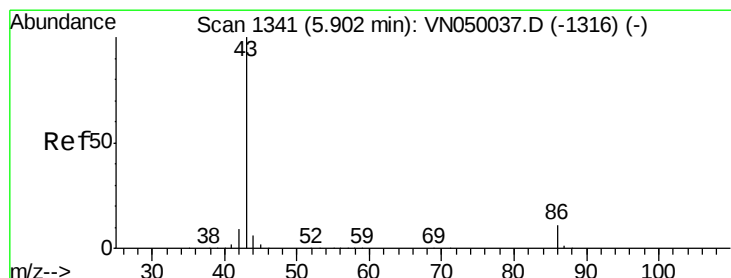
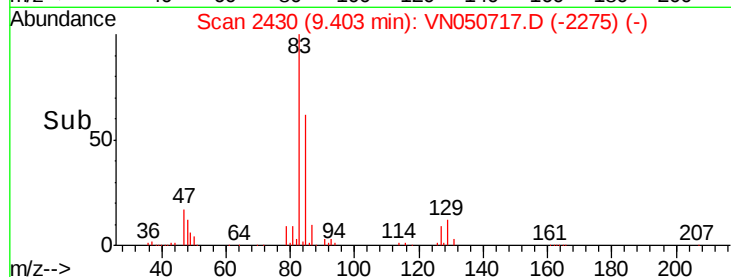
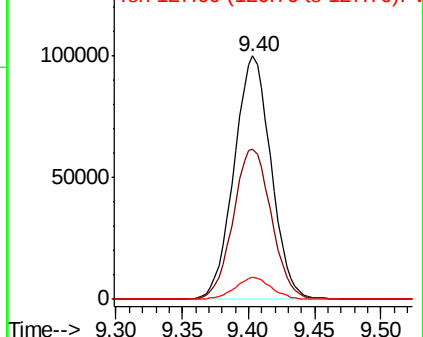
Tot Ion:	83	Resp:	193685
Ion Ratio	Lower	Upper	
83	100		
85	61.9	52.6	78.8
127	8.9	7.0	10.4

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Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 90.18 ug/l

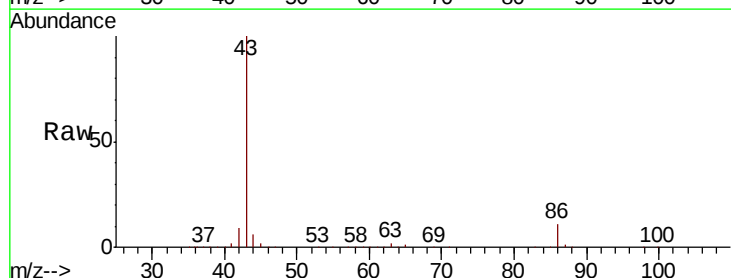
RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

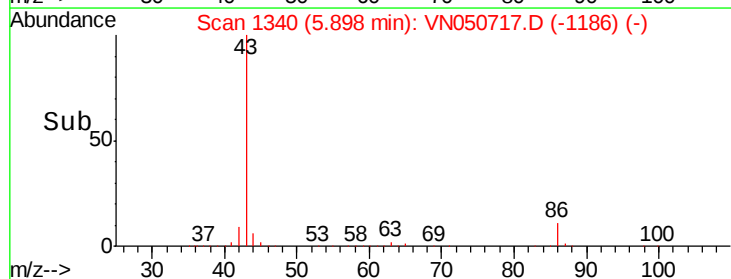
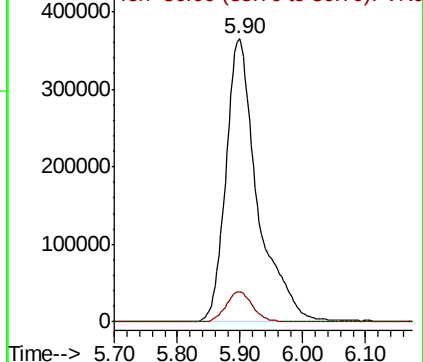
Lab File: VN050717.D

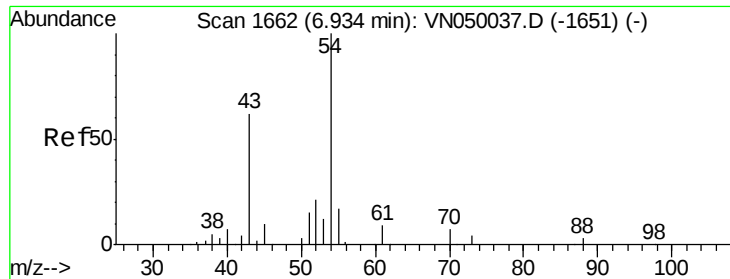
Acq: 17 Aug 2018 9:12

Tgt Ion:	43	Resp:	1276566
Ion Ratio	Lower	Upper	
43	100		
86	9.0	7.3	10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





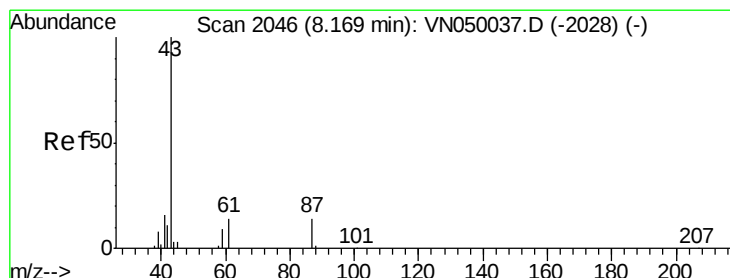
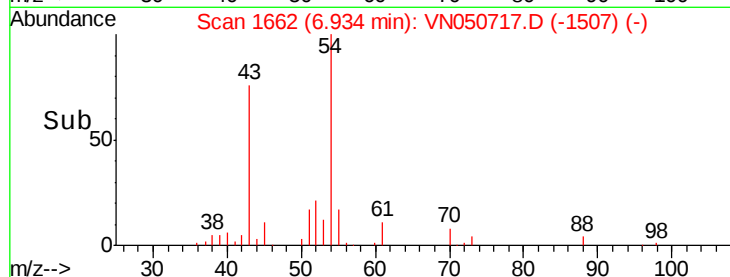
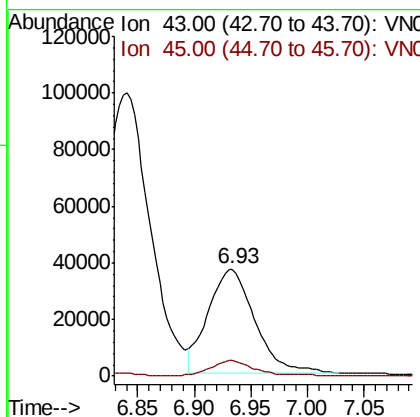
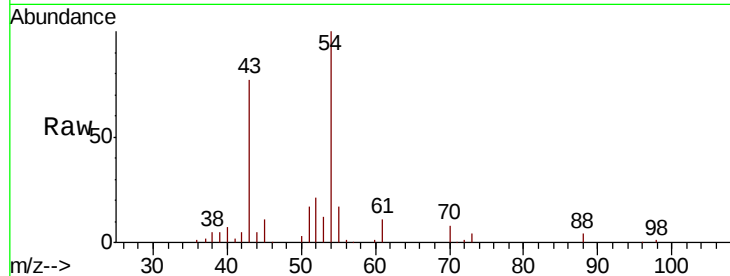
#43
Ethyl Acetate
Concen: 16.74 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

Tot Ion: 43 Resp: 105157
Ion Ratio Lower Upper
43 100
45 12.7 13.0 19.6#

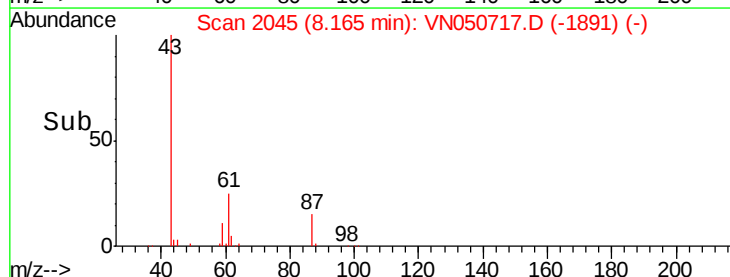
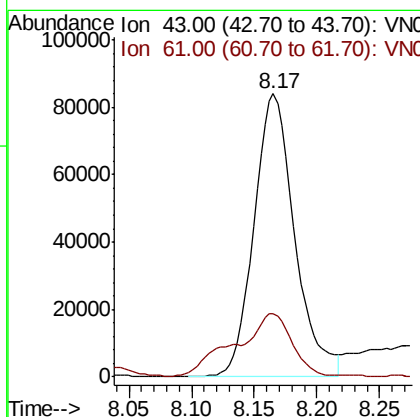
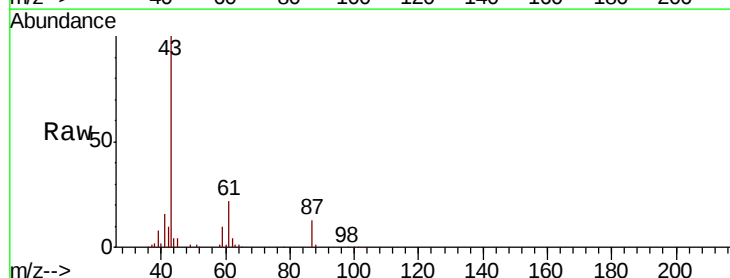
Manual Integrations
APPROVED

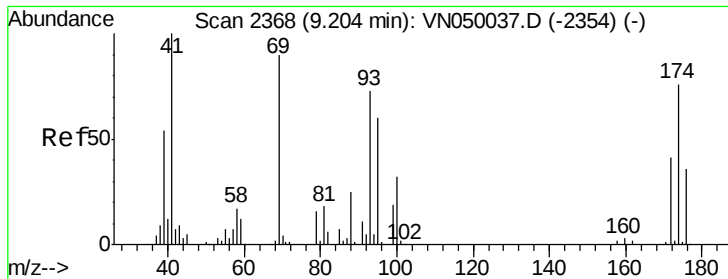
MMDadoda
8/20/2018 10:35:58 AM



#44
Isopropyl Acetate
Concen: 16.22 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion: 43 Resp: 188716
Ion Ratio Lower Upper
43 100
61 19.9 16.4 24.6





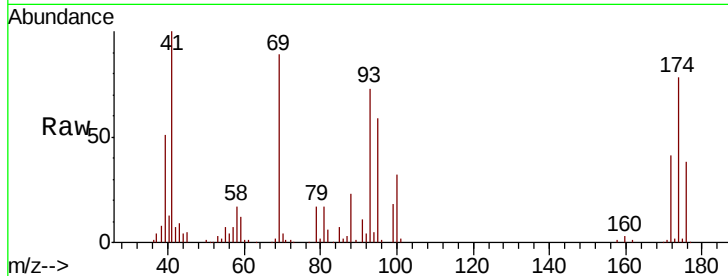
#45
 1,4-Dioxane
 Concen: 324.40 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN0817WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	26.9	40.3
58	72.1	53.6	80.4

Manual Integrations
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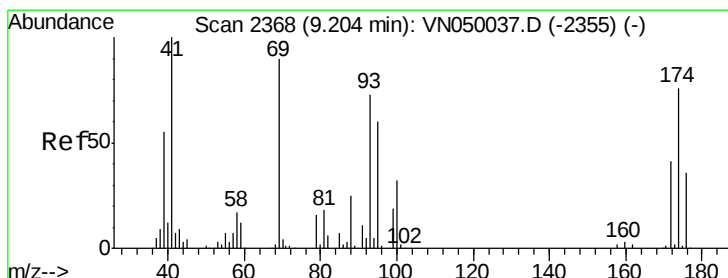
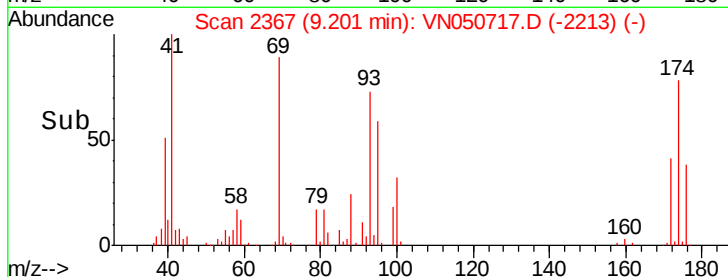
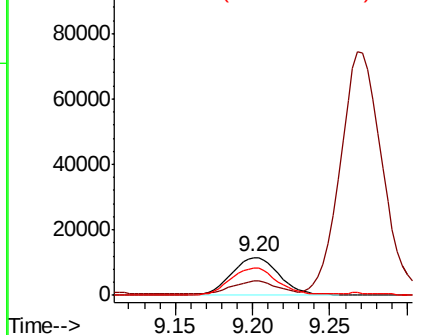


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 15.72 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

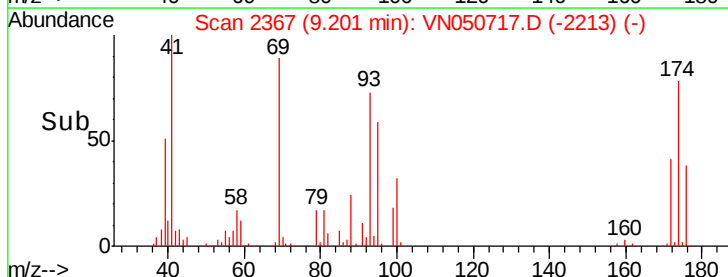
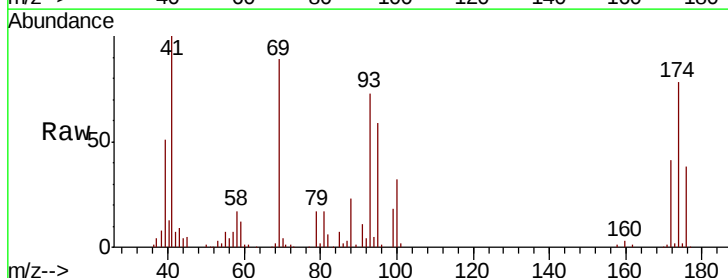
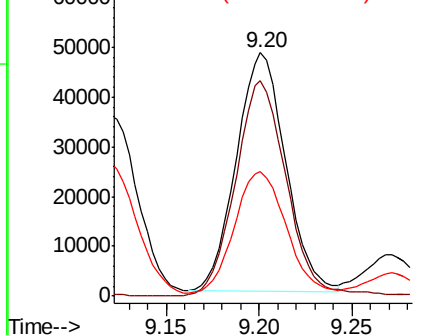
Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.1	44.0	132.1
39	50.7	27.0	80.8

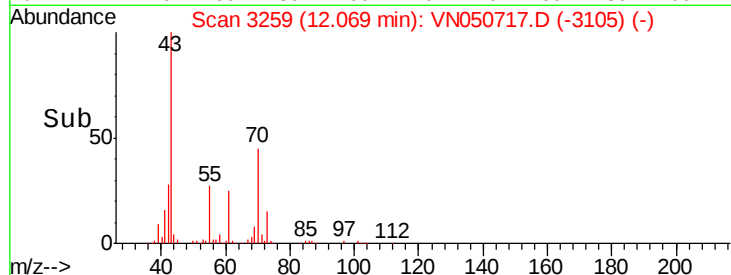
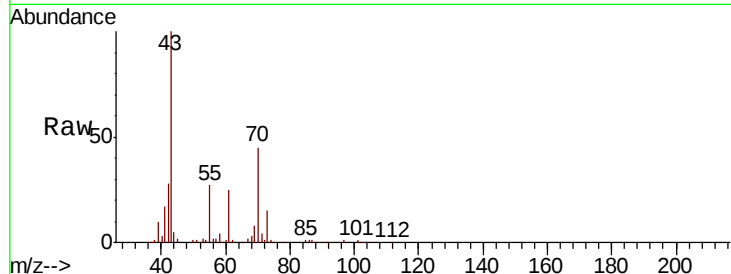
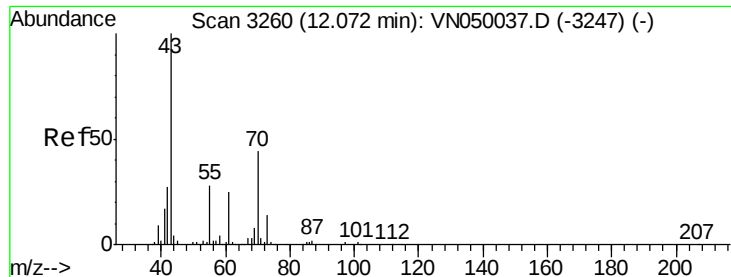
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





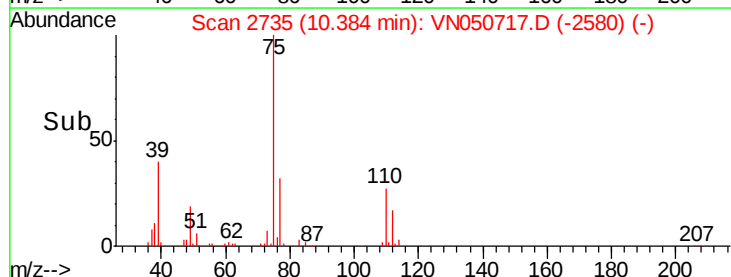
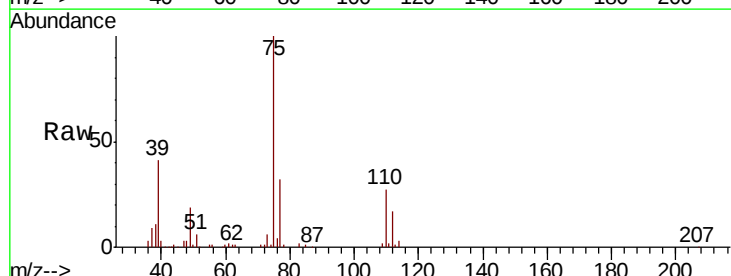
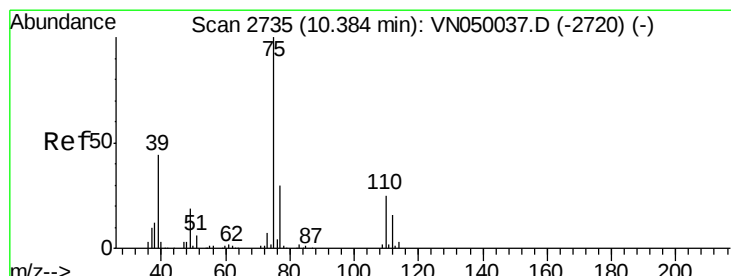
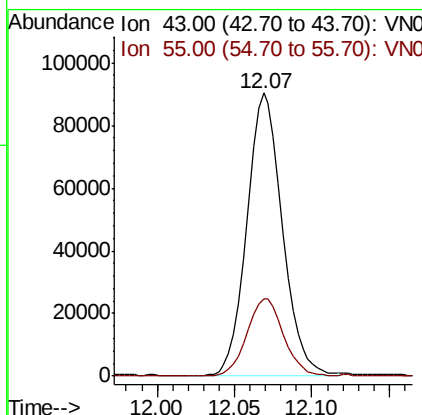
#47
n-amvl Acetate
Concen: 15.91 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tot Ion: 43 Resp: 144065
Ion Ratio Lower Upper
43 100
55 28.3 21.0 31.4

Instrument :
MSVOA_N
ClientSampled :
VN0817WBS01

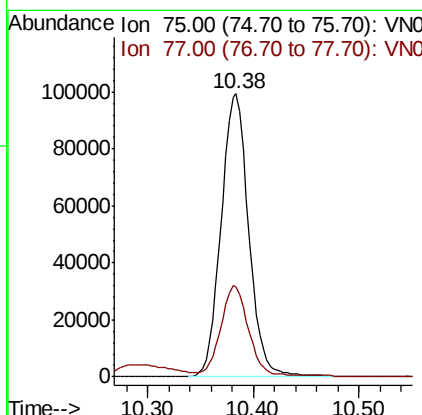
Manual Integrations
APPROVED

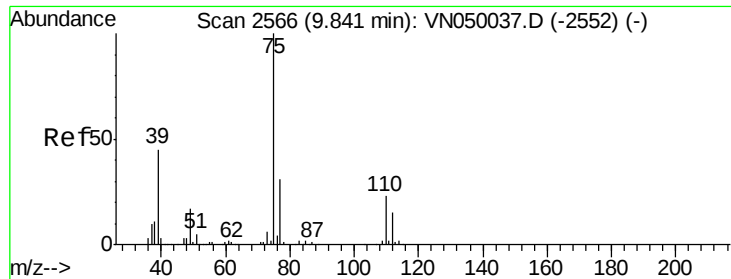
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#48
t-1,3-Dichloropropene
Concen: 18.91 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion: 75 Resp: 180219
Ion Ratio Lower Upper
75 100
77 31.6 24.6 37.0





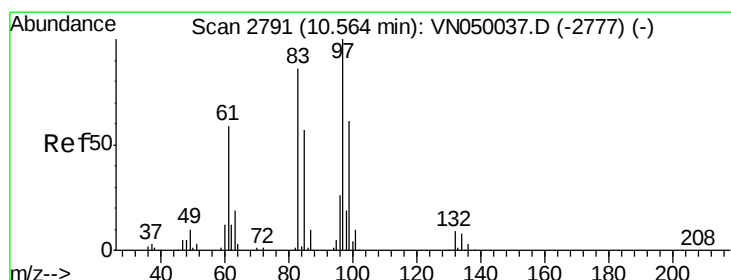
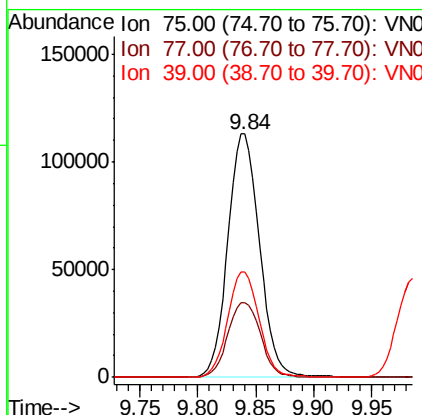
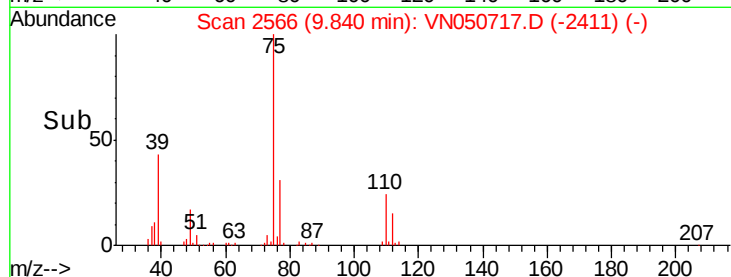
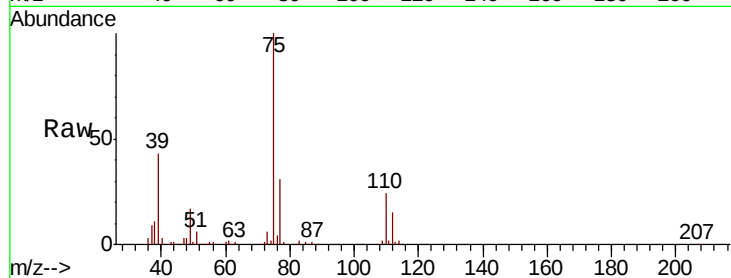
#49
 cis-1,3-Dichloropropene
 Concen: 19.17 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.7	38.5
39	43.5	36.3	54.5

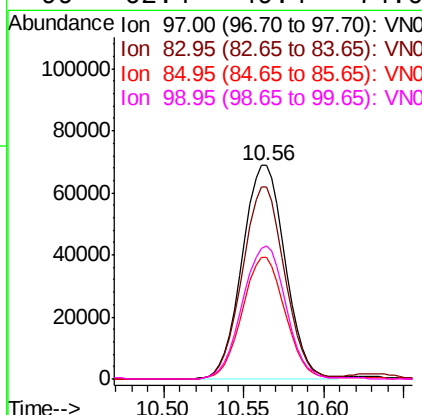
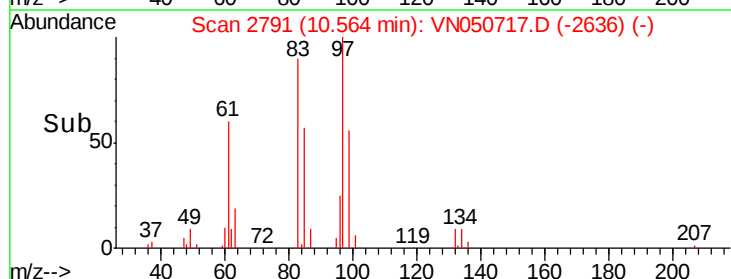
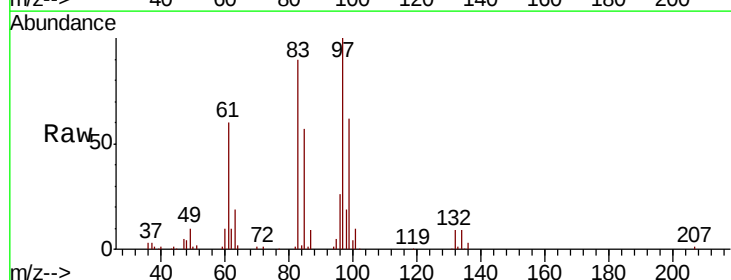
Manual Integrations
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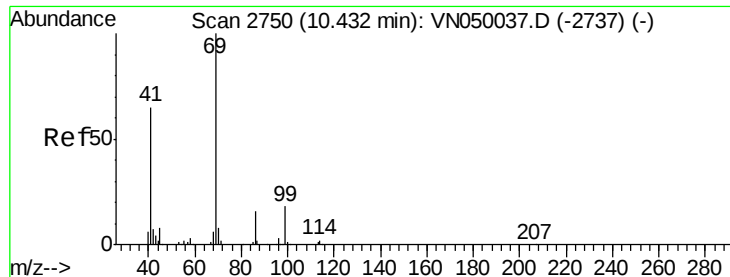
MMDadoda
 8/20/2018 10:35:58 AM



#50
 1,1,2-Trichloroethane
 Concen: 18.61 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.0	68.1	102.1
85	56.9	45.4	68.2
99	62.4	49.4	74.0





#51

Ethyl methacrylate

Concen: 16.96 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Instrument :

MSVOA_N

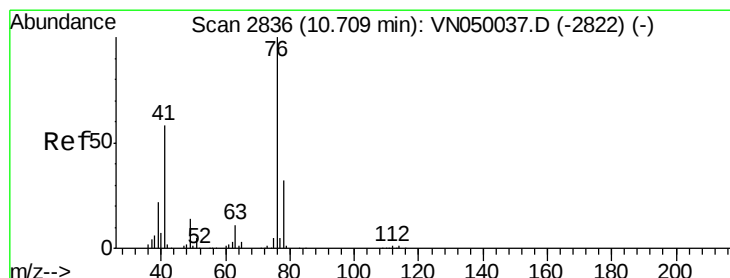
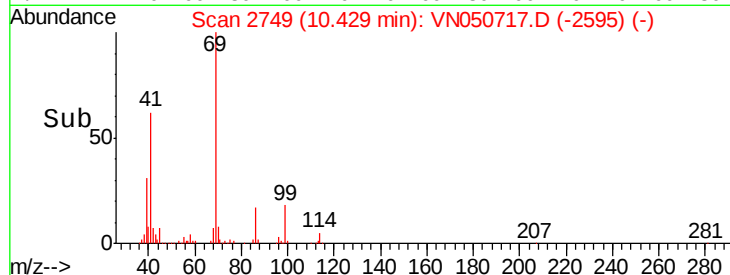
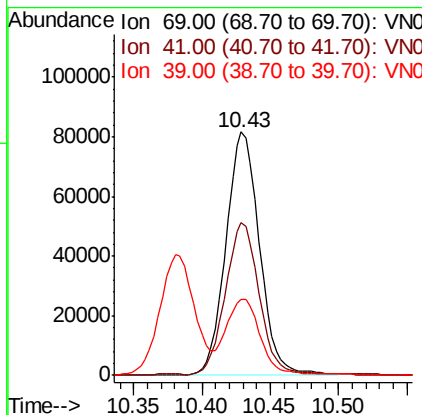
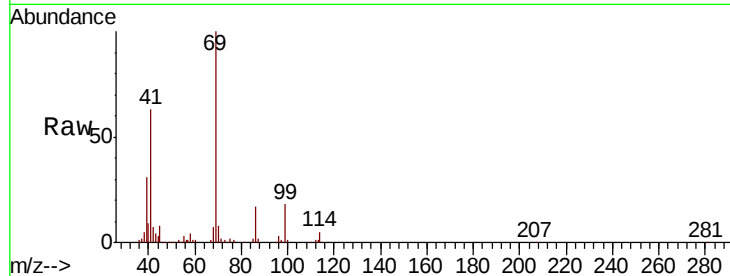
ClientSampled :

VN0817WBS01

Tot Ion:	69	Resp:	140094
Ion Ratio	Lower	Upper	
69	100		
41	62.2	31.9	95.9
39	31.0	16.7	50.1

Manual Integrations
APPROVED

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8/20/2018 10:35:58 AM



#52

1,3-Dichloropropane

Concen: 18.99 ug/l

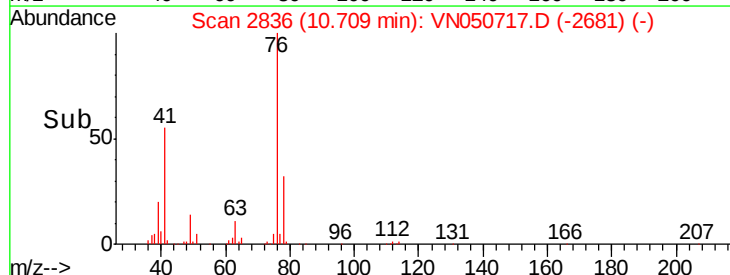
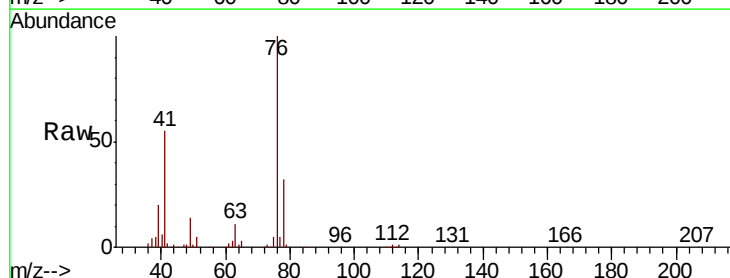
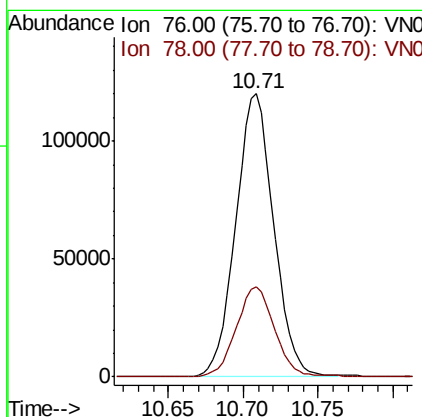
RT: 10.71 min Scan# 2836

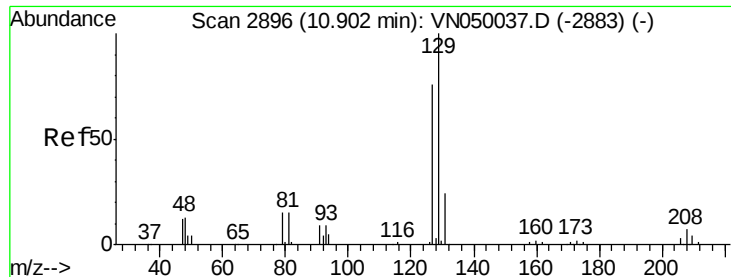
Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Tgt Ion:	76	Resp:	212164
Ion Ratio	Lower	Upper	
76	100		
78	32.1	0.0	65.6





#53

Dibromochloromethane

Concen: 18.47 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS01

Tot Ion:129 Resp: 142584

Ion Ratio Lower Upper

129 100

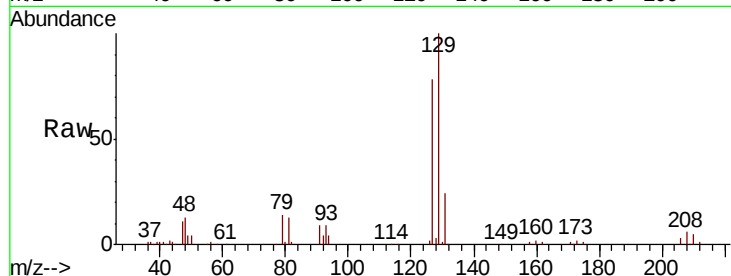
127 78.0 38.1 114.5

Manual Integrations

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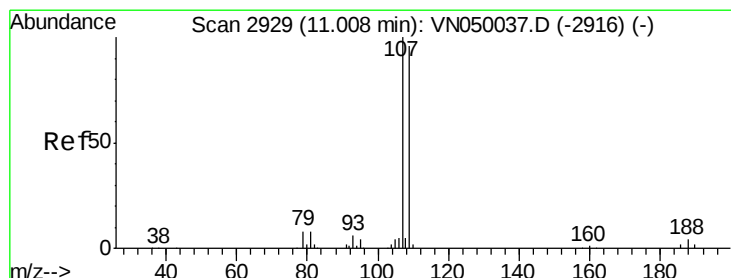
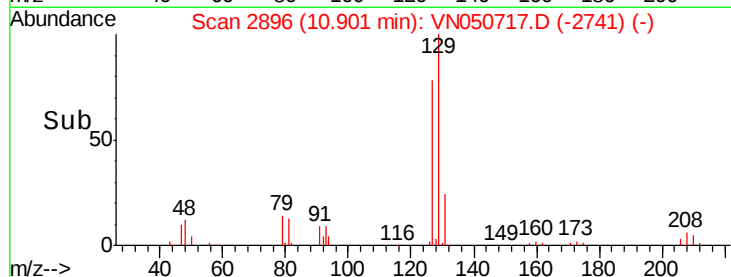
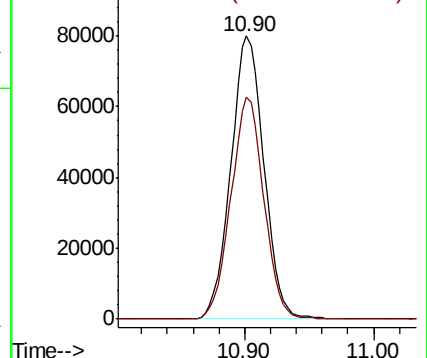
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.30 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050717.D

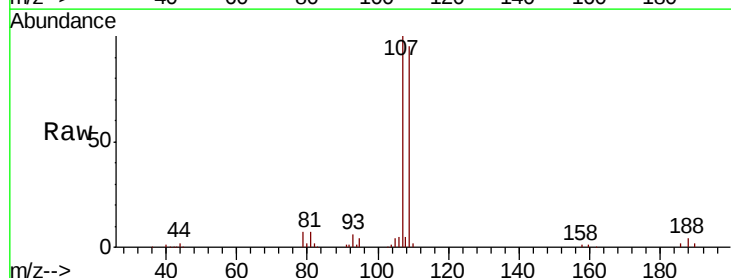
Acq: 17 Aug 2018 9:12

Tgt Ion:107 Resp: 121967

Ion Ratio Lower Upper

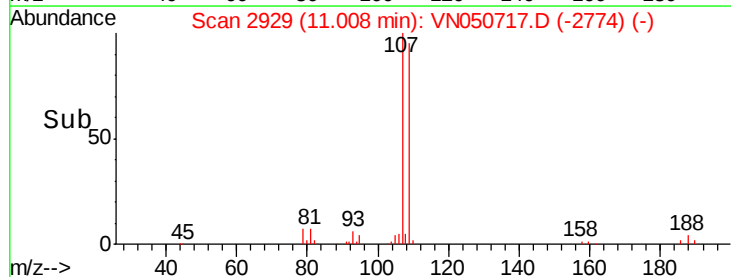
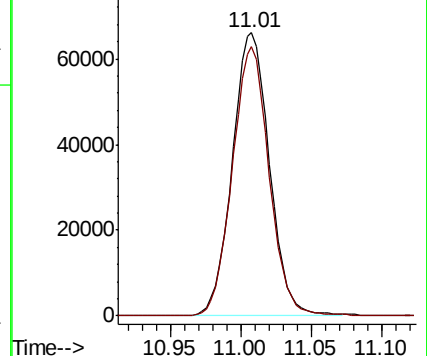
107 100

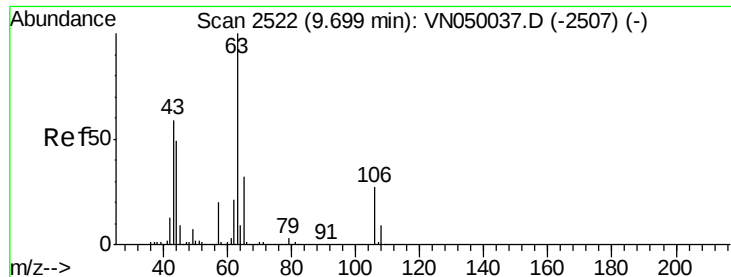
109 94.1 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 81.80 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Instrument :

MSVOA_N

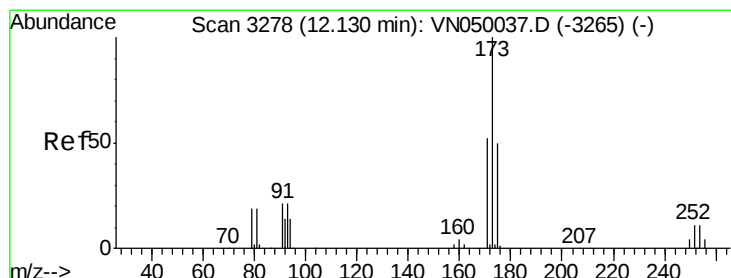
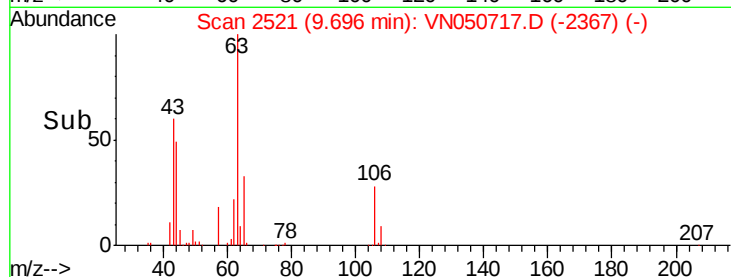
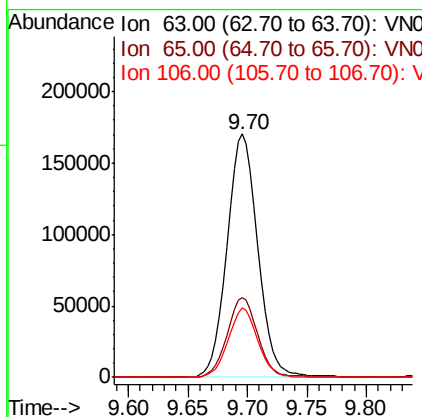
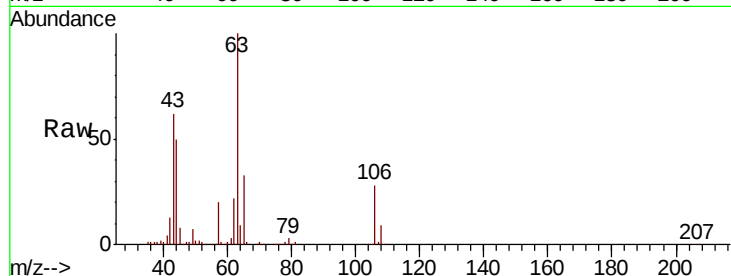
ClientSampleId :

VN0817WBS01

Tot Ion:	63	Resp:	305739
Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.5	38.3
106	27.5	21.8	32.6

Manual Integrations
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#56

Bromoform

Concen: 17.46 ug/l

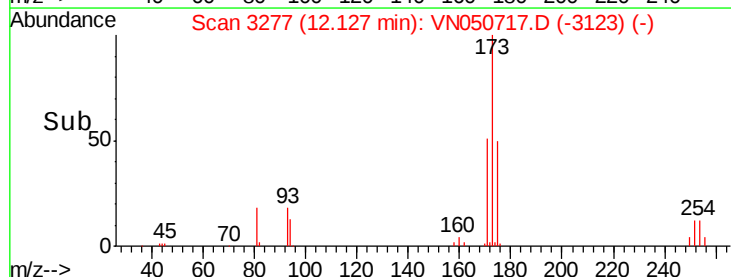
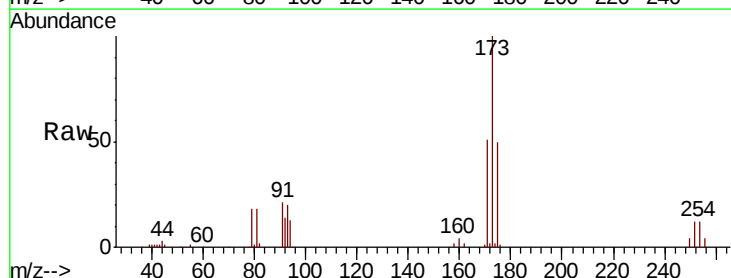
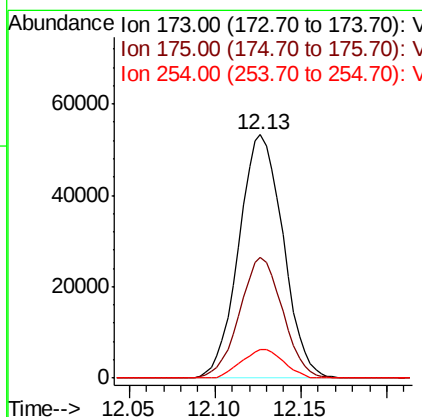
RT: 12.13 min Scan# 3277

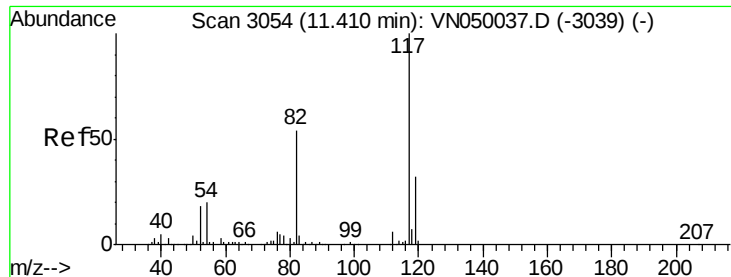
Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Tgt Ion:	173	Resp:	95203
Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.6	57.8
254	11.1	8.8	13.2





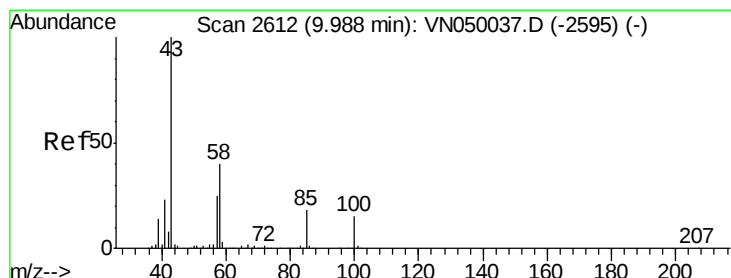
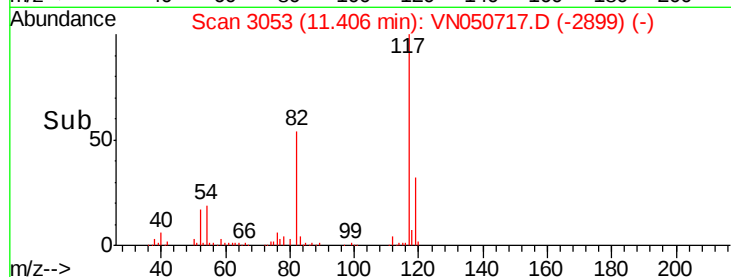
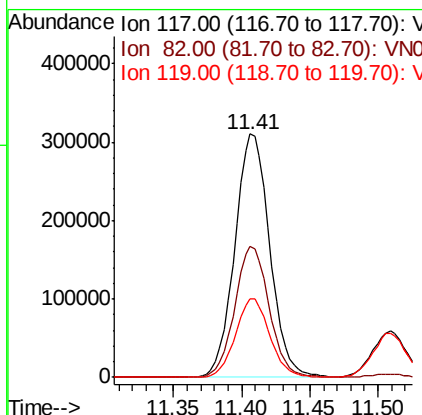
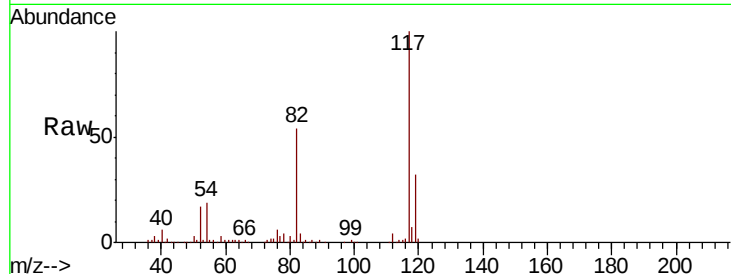
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.0	42.4	63.6
119	31.9	25.4	38.0

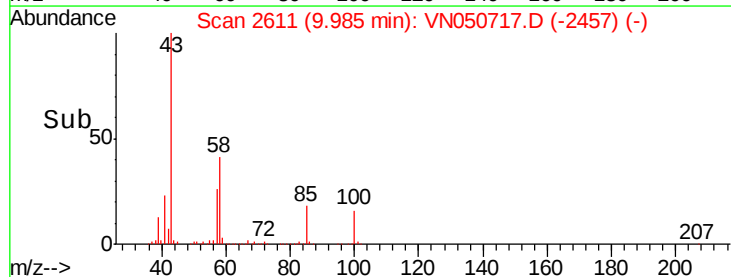
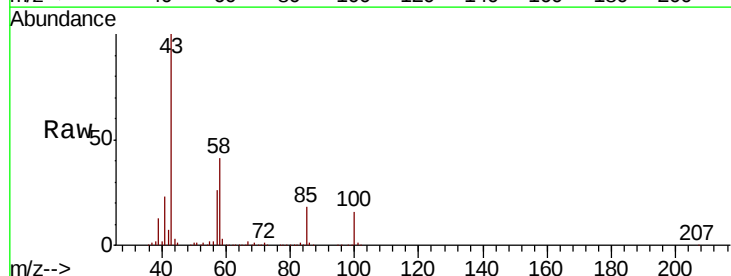
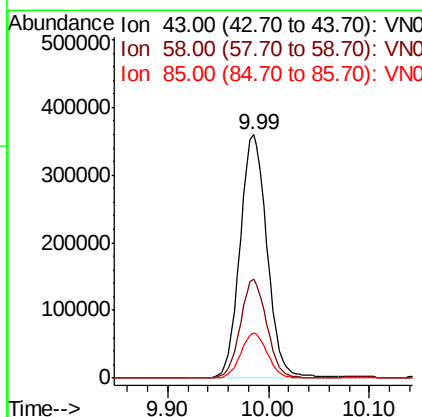
Manual Integrations
APPROVED

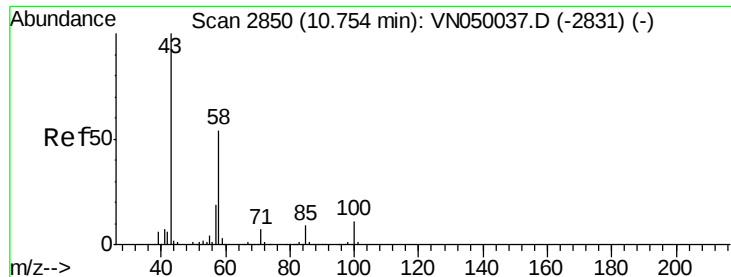
MMDadoda
8/20/2018 10:35:58 AM



#58
4-Methyl-2-Pentanone
Concen: 103.32 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	39.8	31.2	46.8
85	18.1	14.4	21.6





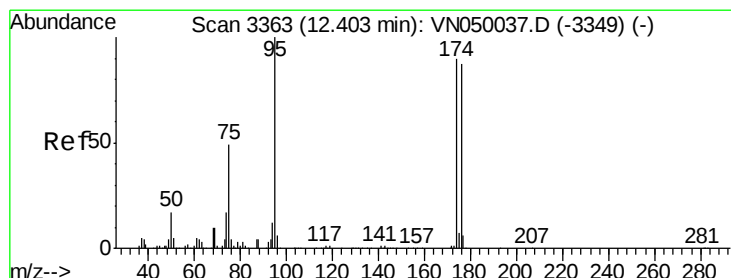
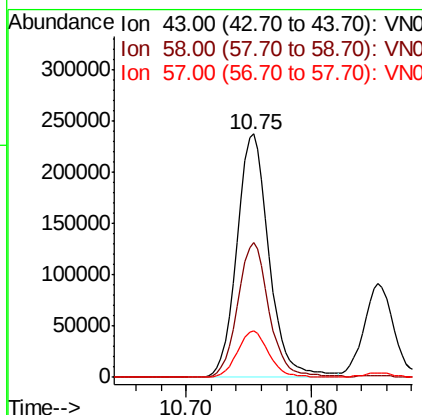
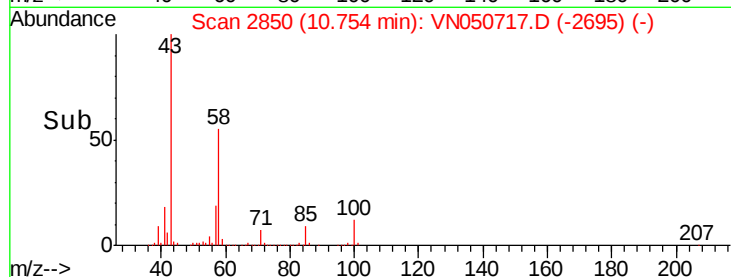
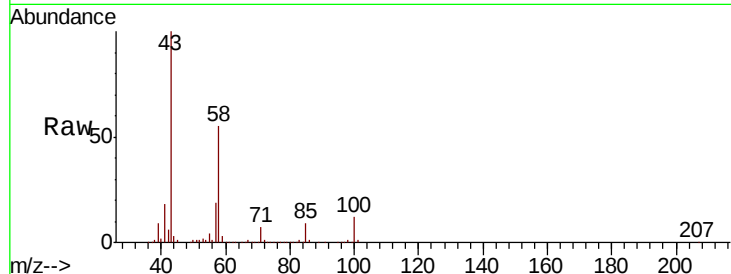
#59
2-Hexanone
Concen: 96.20 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.8	65.8
57	18.8	15.1	22.7

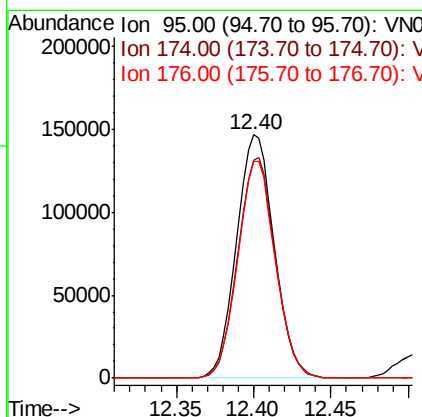
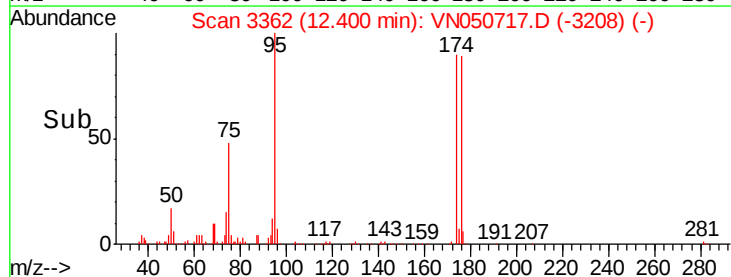
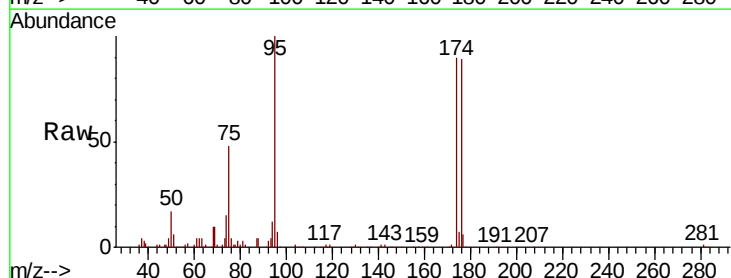
Manual Integrations
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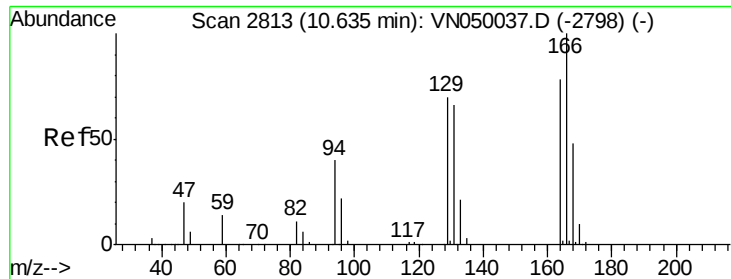
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.32 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	72.3	108.5
176	88.8	70.0	105.0





#61

Tetrachloroethene

Concen: 18.97 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS01

Tot Ion:164 Resp: 141753

Ion Ratio Lower Upper

164 100

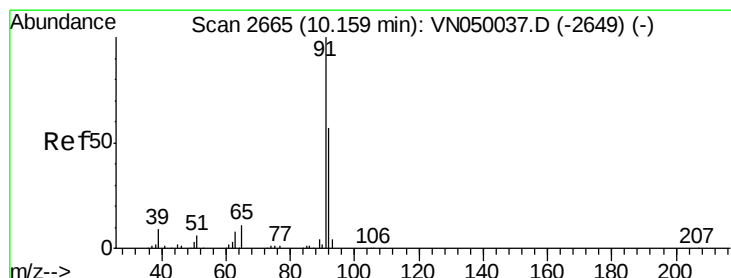
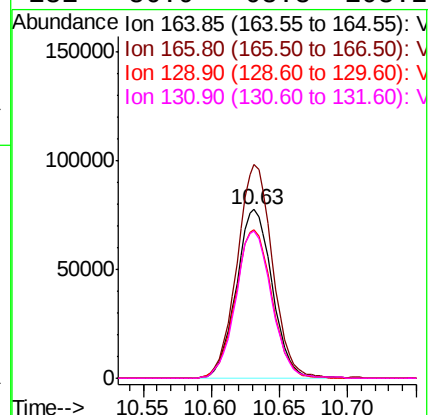
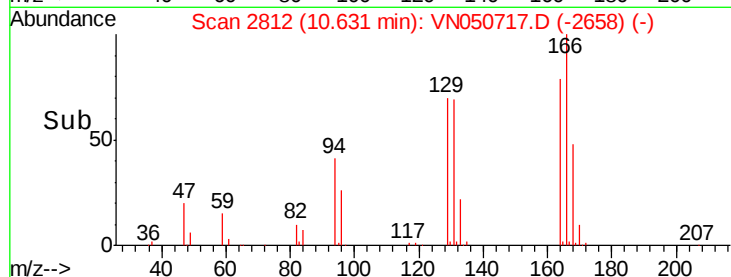
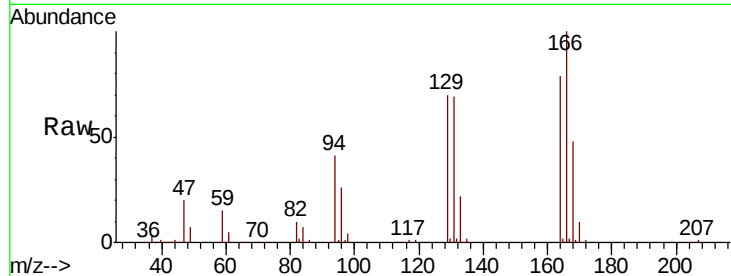
166 126.5 100.0 150.0

129 88.1 69.3 103.9

131 86.9 68.8 103.2

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#62

Toluene

Concen: 19.76 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050717.D

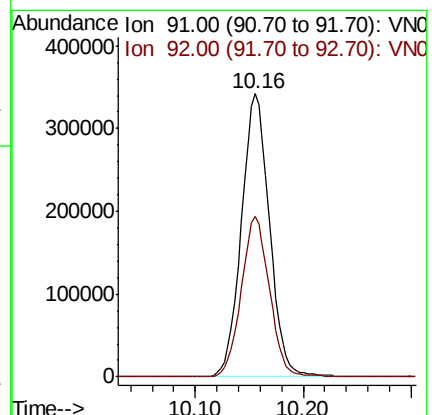
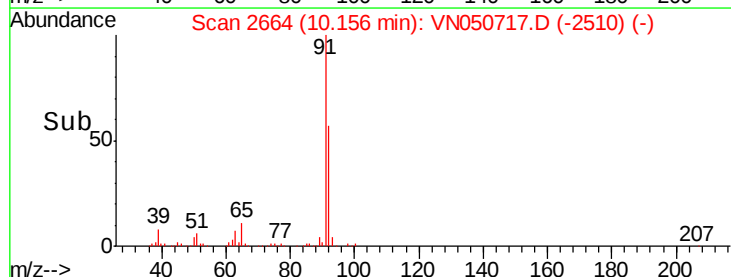
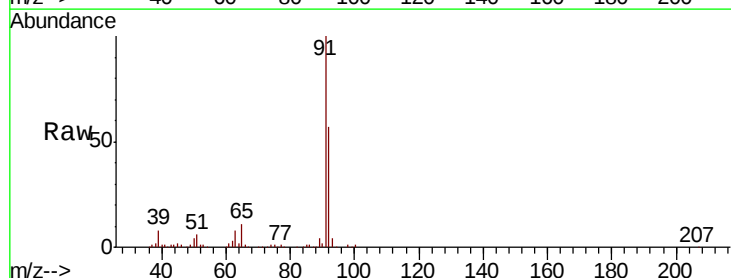
Acq: 17 Aug 2018 9:12

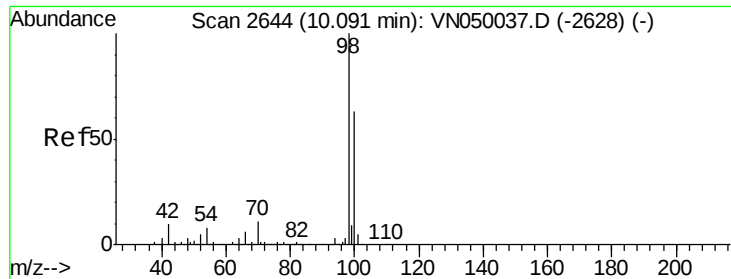
Tgt Ion: 91 Resp: 621731

Ion Ratio Lower Upper

91 100

92 57.1 45.7 68.5





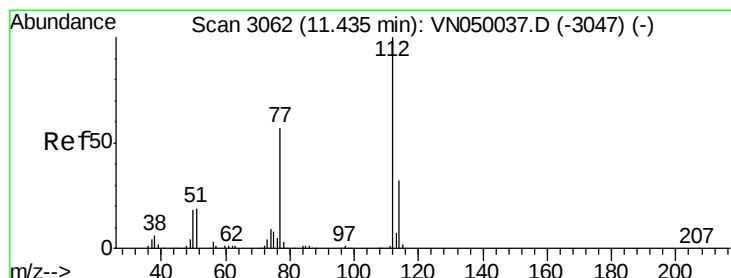
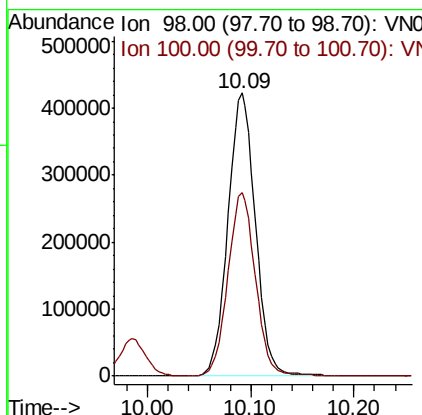
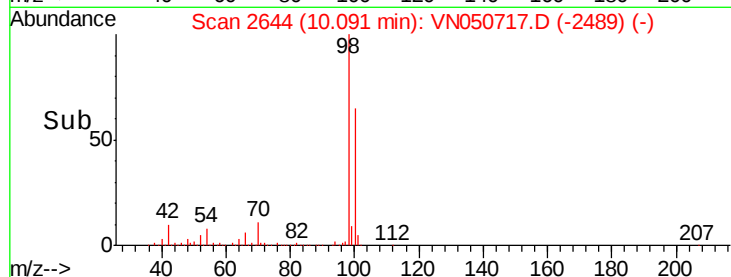
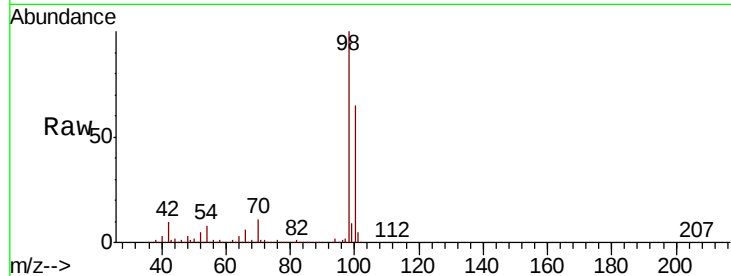
#63
Toluene-d8
Concen: 29.83 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

Tot Ion: 98 Resp: 785952
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8

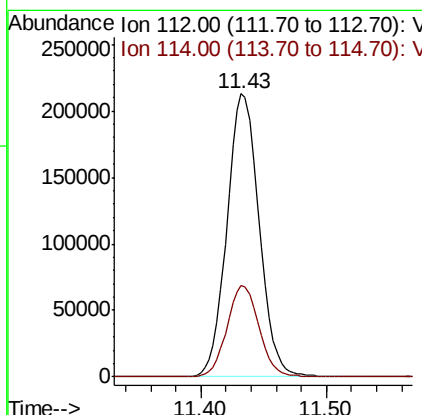
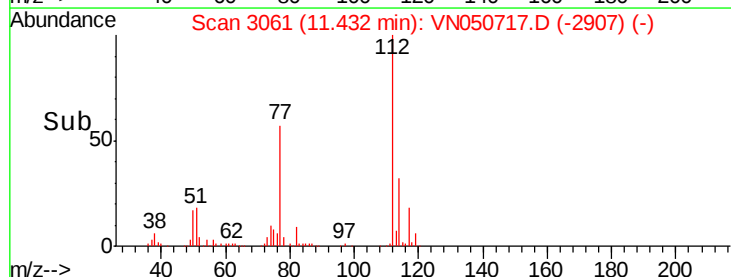
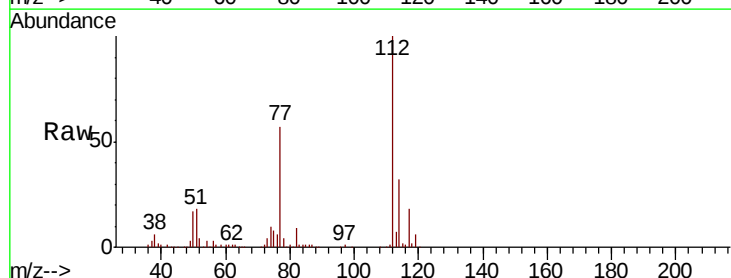
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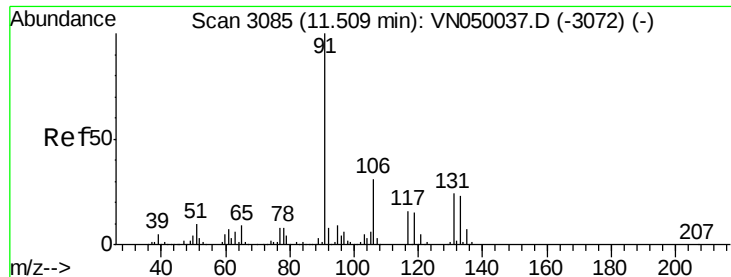
MMDadoda
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#64
Chlorobenzene
Concen: 19.87 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion: 112 Resp: 379180
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.47 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Instrument :

MSVOA_N

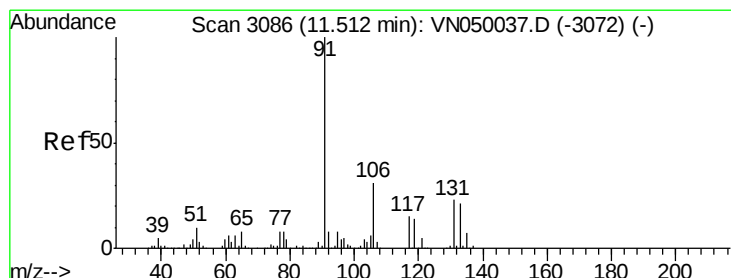
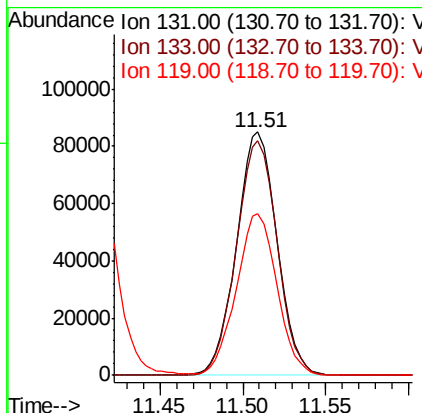
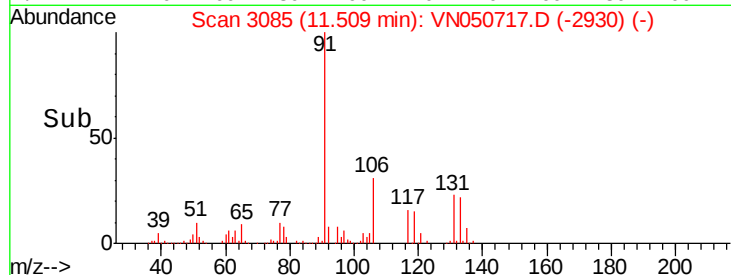
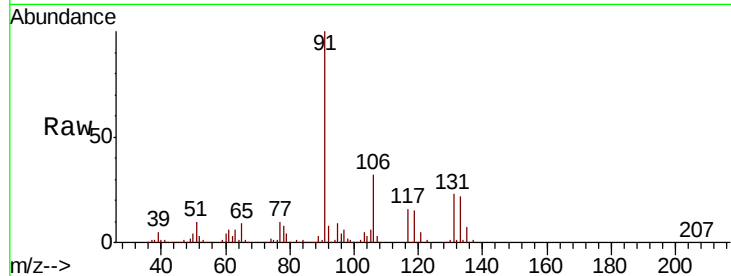
ClientSampleId :

VN0817WBS01

Tot Ion:	131	Resp:	144903
Ion Ratio	Lower	Upper	
131	100		
133	96.9	0.0	190.0
119	66.3	0.0	131.6

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#66

Ethyl Benzene

Concen: 19.42 ug/l

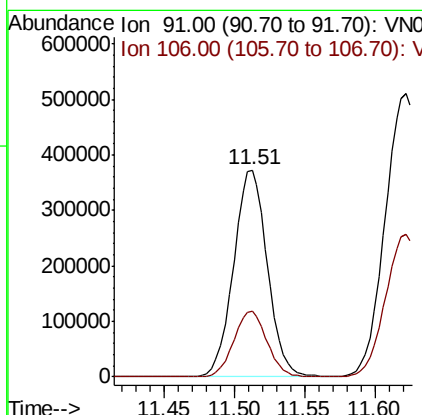
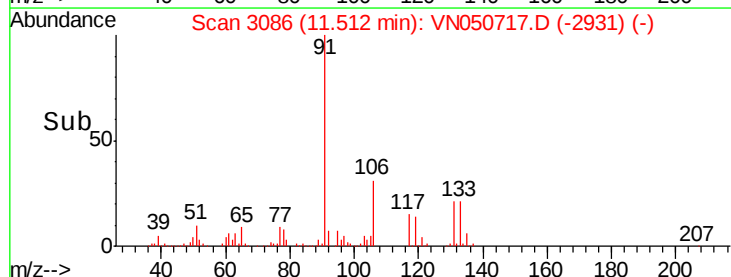
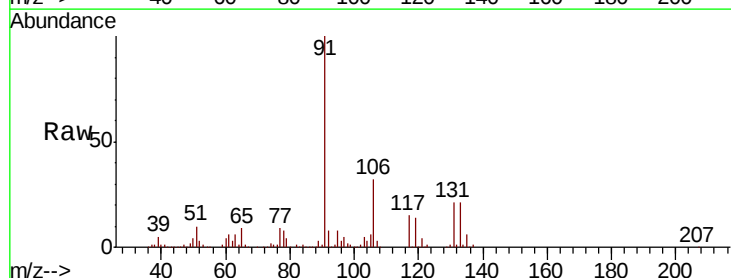
RT: 11.51 min Scan# 3086

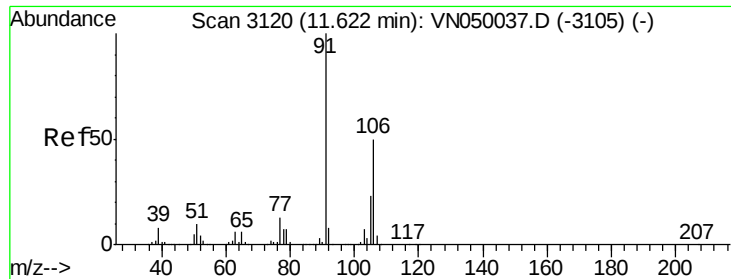
Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Tgt Ion:	91	Resp:	624380
Ion Ratio	Lower	Upper	
91	100		
106	31.7	25.1	37.7





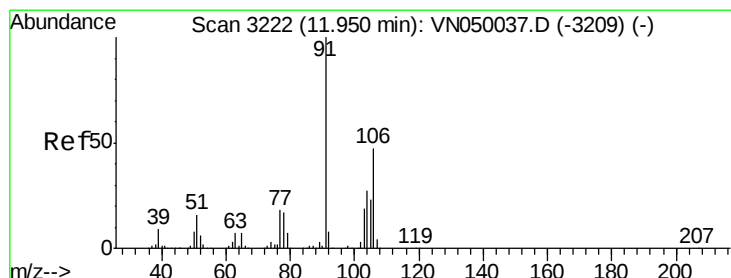
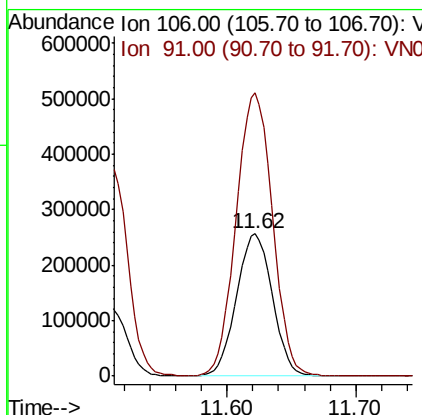
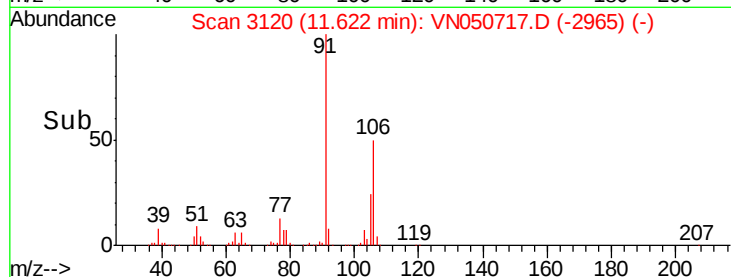
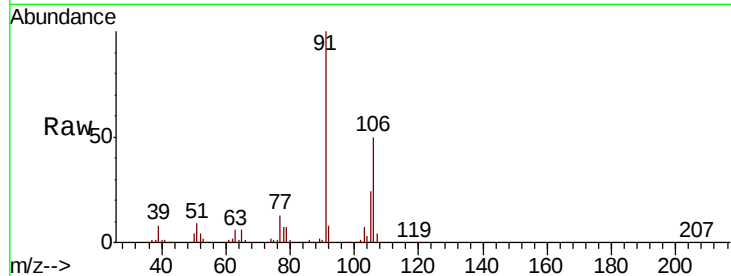
#67
m/p-Xylenes
Concen: 40.22 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Instrument :
MSVOA_N
ClientSampled :
VN0817WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		497793		
91	200.4	162.5	243.7		

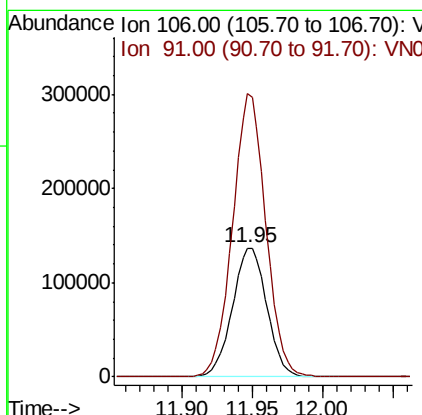
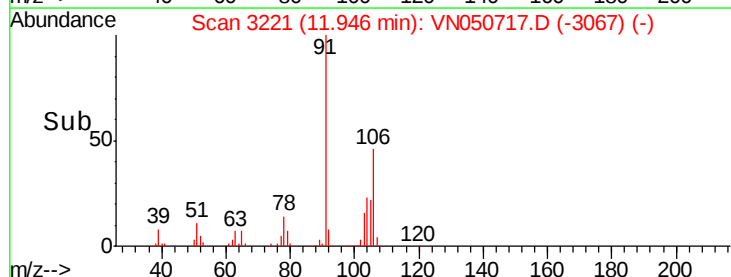
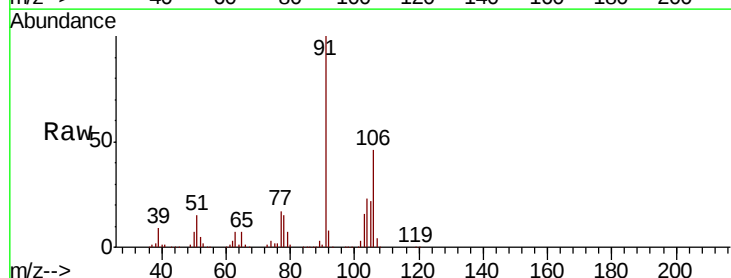
Manual Integrations
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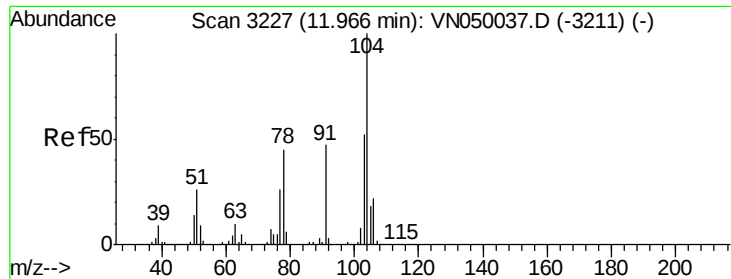
MMDadoda
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#68
o-Xylene
Concen: 19.84 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		233652		
91	212.3	106.8	320.4		





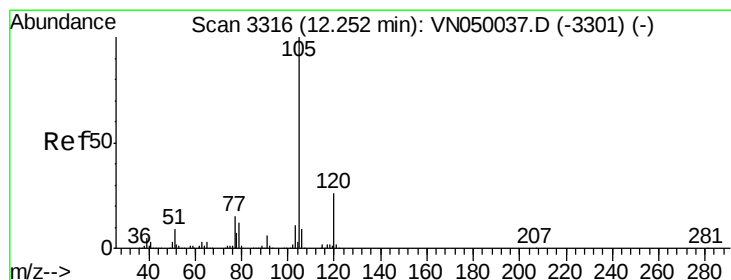
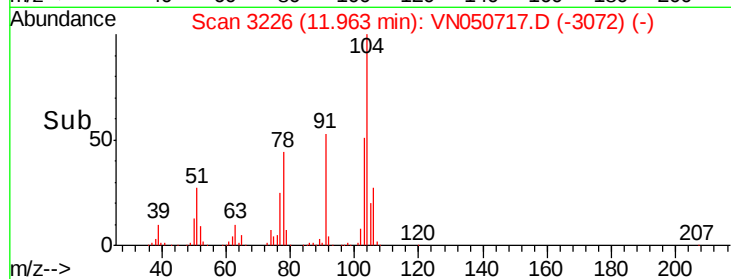
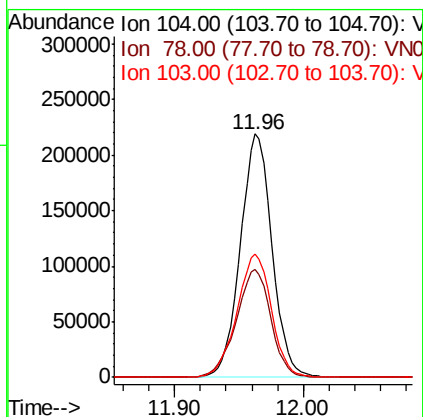
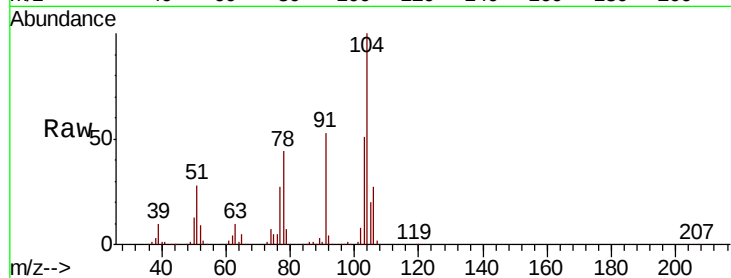
#69
Stvrene
Concen: 19.84 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.3	58.9
103	55.3	44.5	66.7

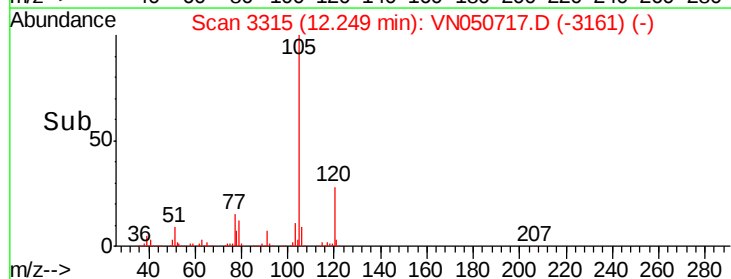
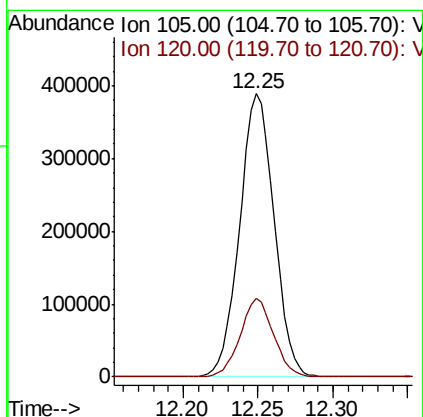
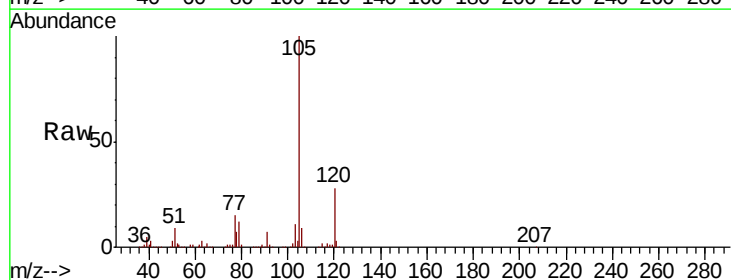
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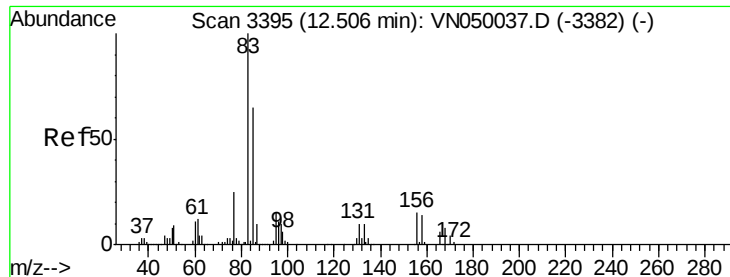
MMDadoda
8/20/2018 10:35:58 AM



#70
Isopropylbenzene
Concen: 19.88 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	18.9	35.1





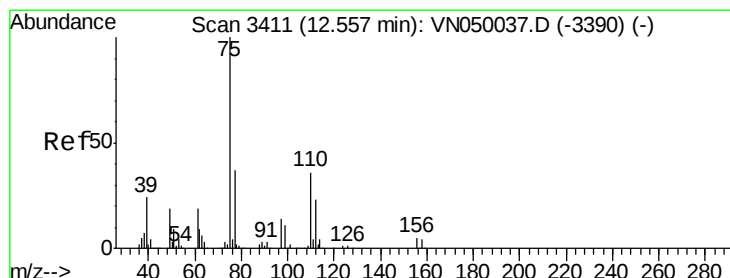
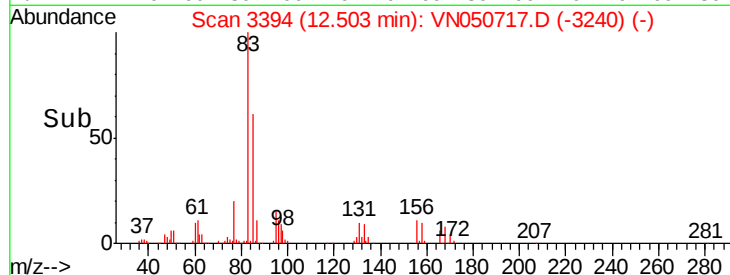
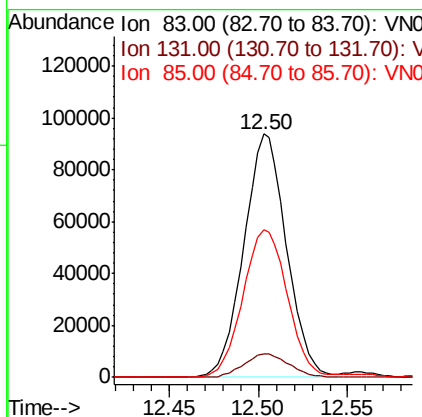
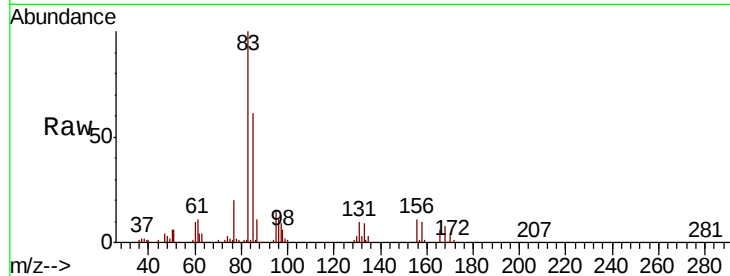
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.22 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.2	15.6
85	63.2	31.7	95.1

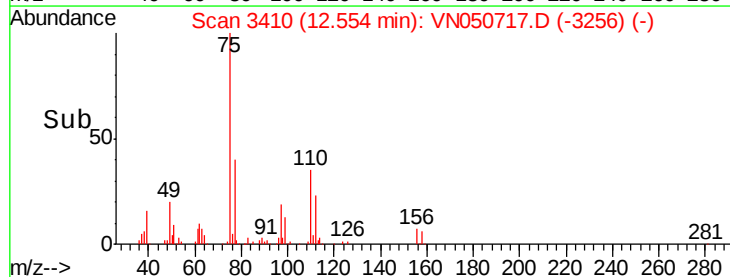
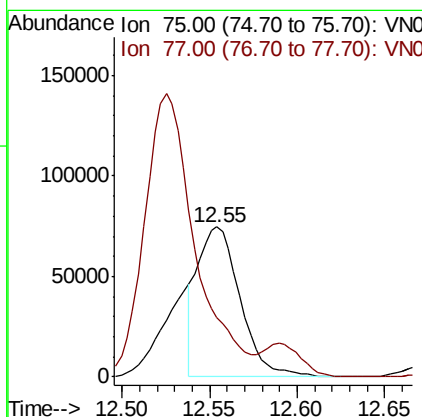
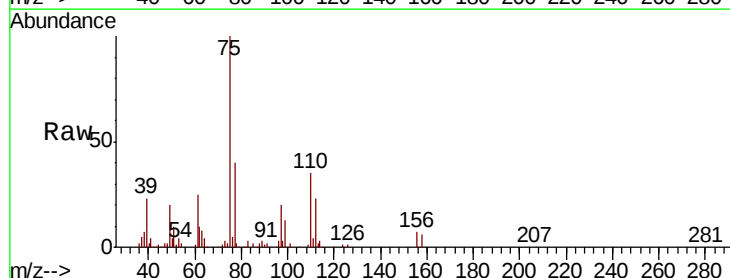
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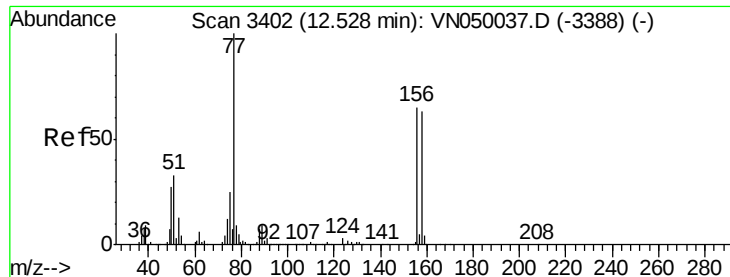
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 8/20/2018 10:35:58 AM



#72
 1,2,3-Trichloropropane
 Concen: 17.15 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	226.0	0.0	454.4





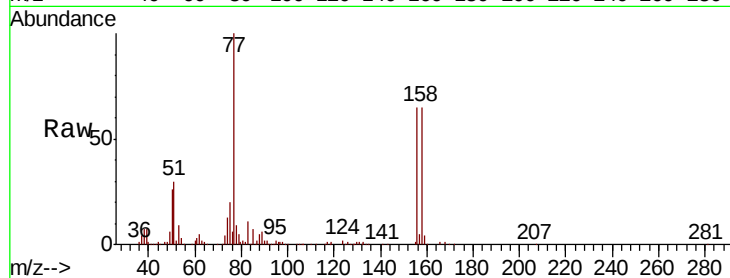
#73
Bromobenzene
Concen: 18.77 ug/l
RT: 12.53 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

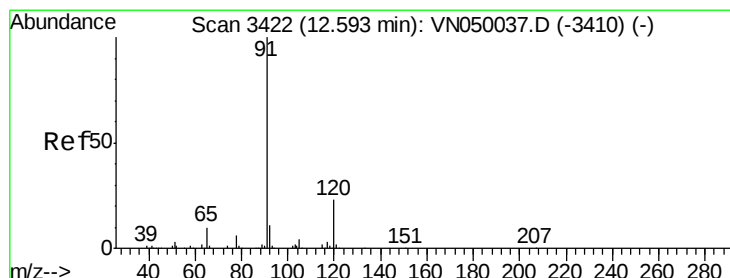
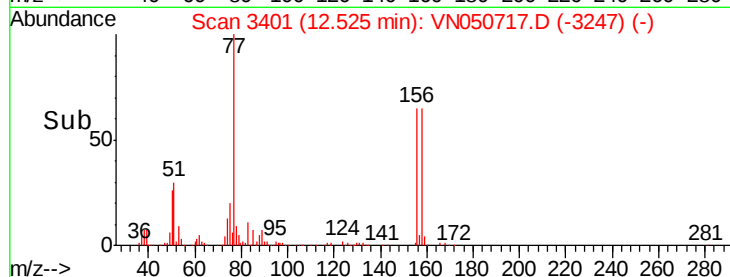
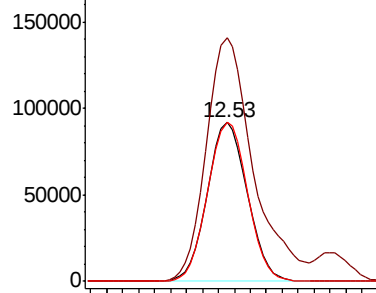
Tot Ion	Ratio	Resp	Lower	Upper
156	100	156810		
77	181.8	0.0	359.8	
158	99.8	0.0	192.8	

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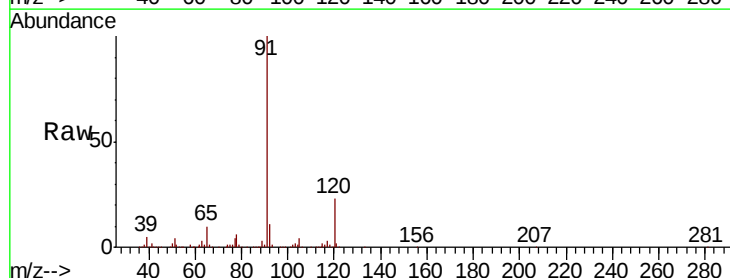


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V

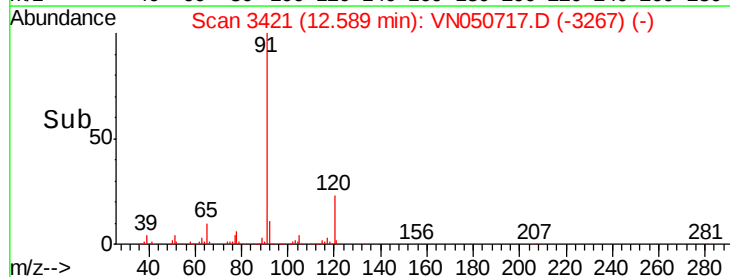
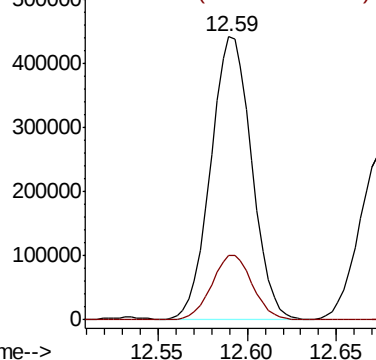


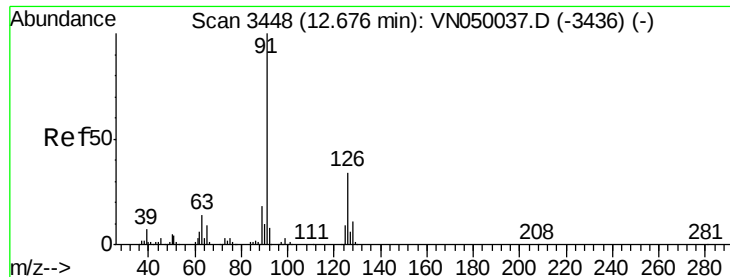
#74
n-propylbenzene
Concen: 19.36 ug/l
RT: 12.59 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	707198		
120	22.7	0.0	46.4	



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.67 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS01

Tot Ion: 91 Resp: 431400

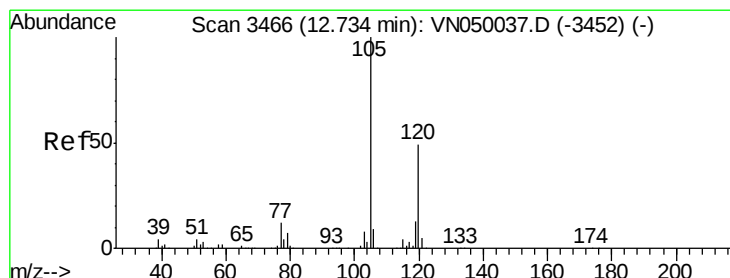
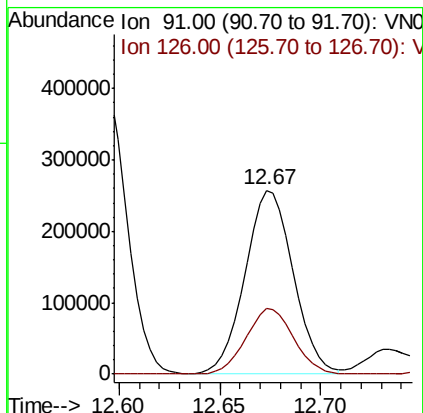
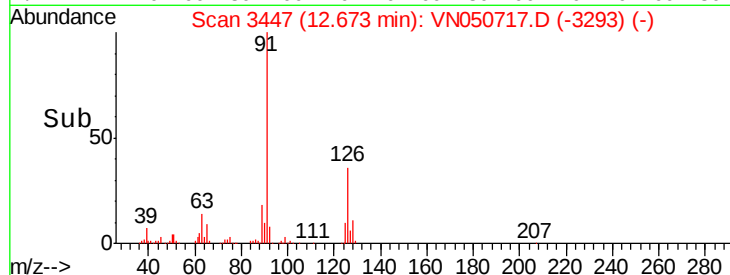
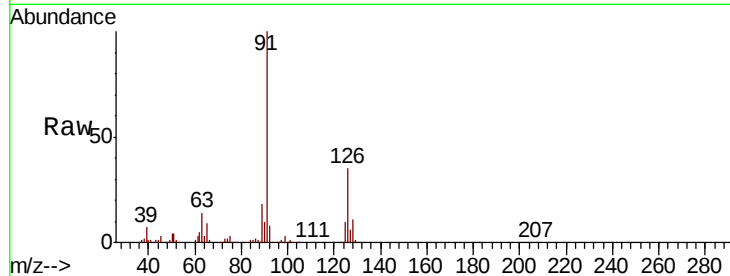
Ion Ratio Lower Upper

91 100

126 35.2 0.0 68.6

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#76

1,3,5-Trimethylbenzene

Concen: 20.09 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050717.D

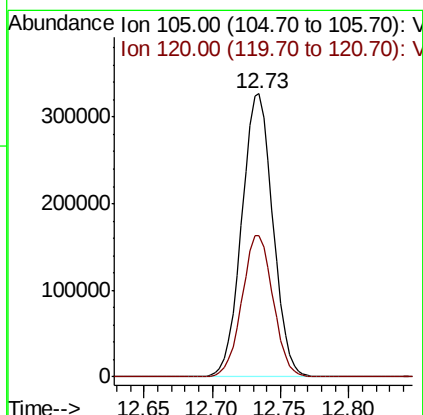
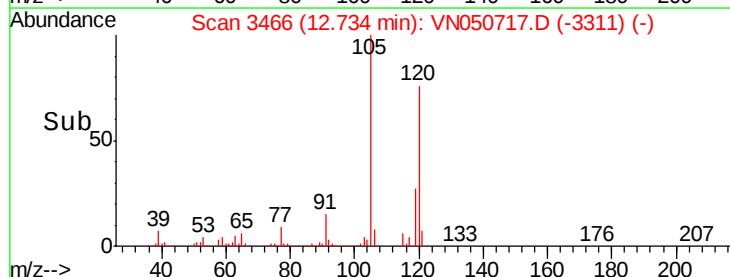
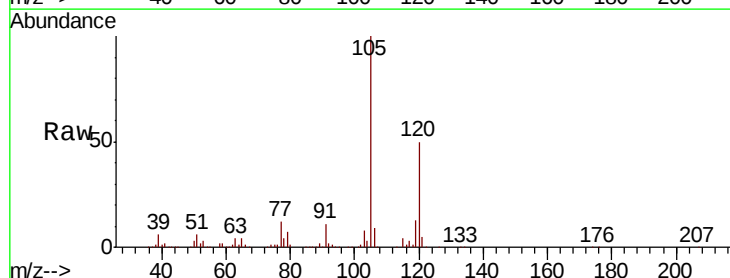
Acq: 17 Aug 2018 9:12

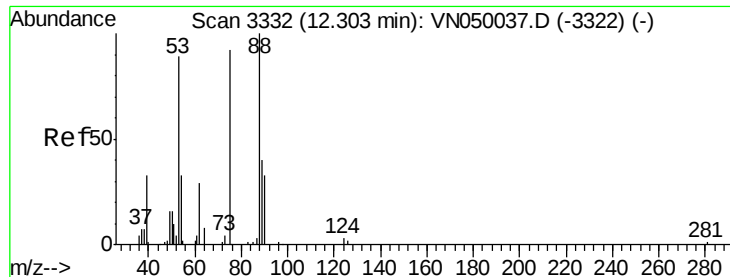
Tgt Ion: 105 Resp: 517578

Ion Ratio Lower Upper

105 100

120 49.7 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 14.24 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Instrument :

MSVOA_N

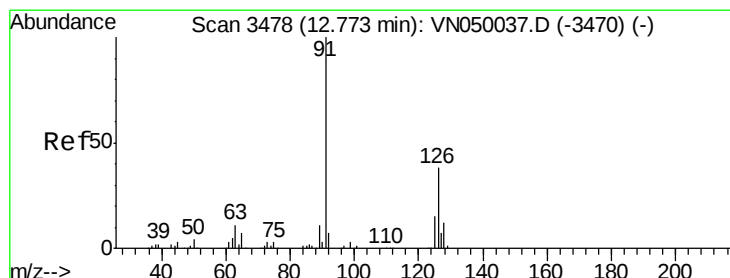
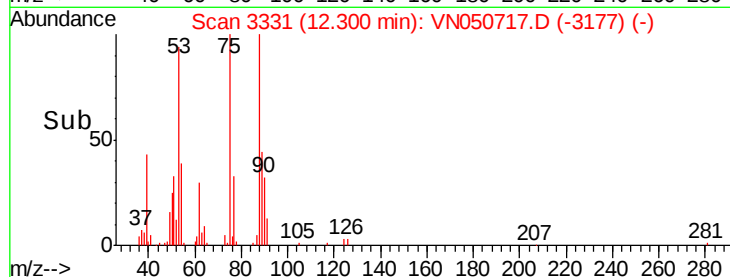
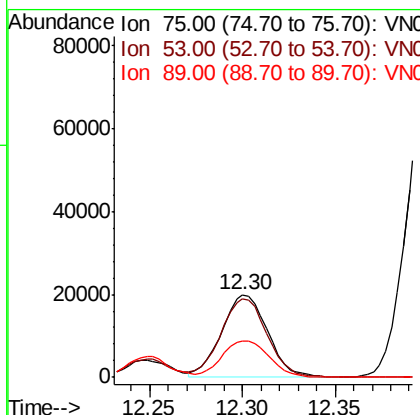
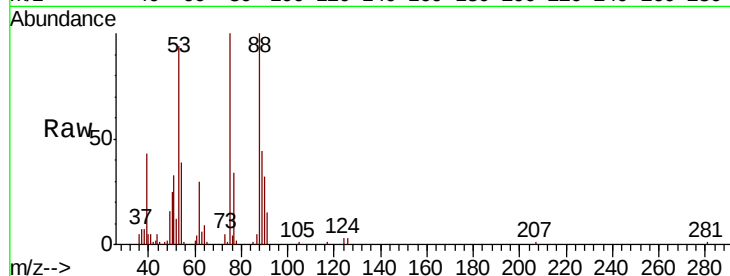
ClientSampled :

VN0817WBS01

Tot Ion:	75	Resp:	34249
Ion	Ratio	Lower	Upper
75	100		
53	94.6	44.6	134.0
89	44.3	20.7	62.1

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#78

4-Chlorotoluene

Concen: 19.65 ug/l

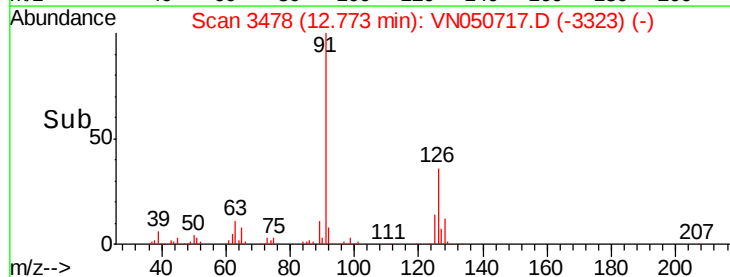
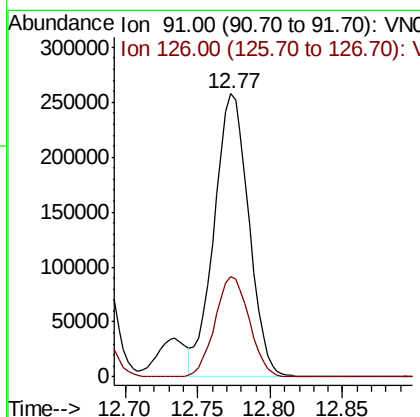
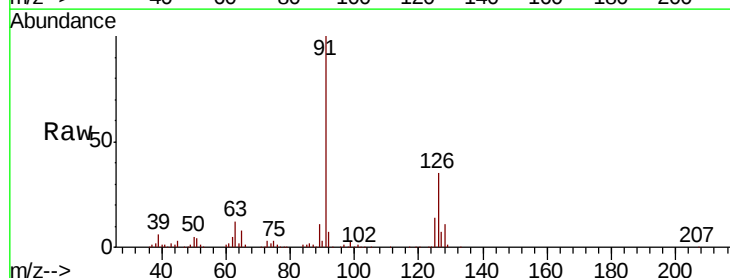
RT: 12.77 min Scan# 3478

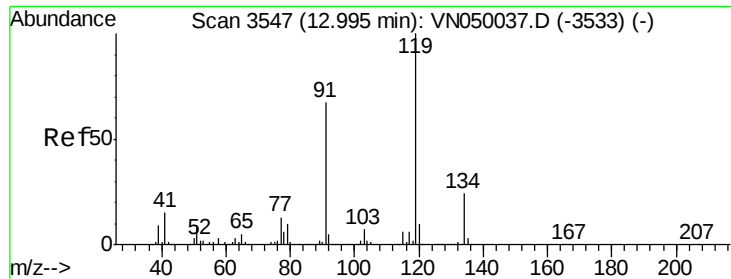
Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Tgt Ion:	91	Resp:	427264
Ion	Ratio	Lower	Upper
91	100		
126	35.2	0.0	68.4





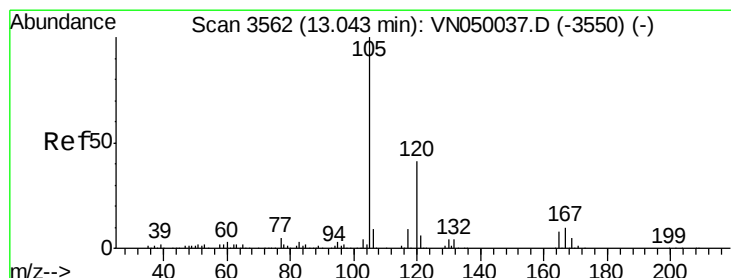
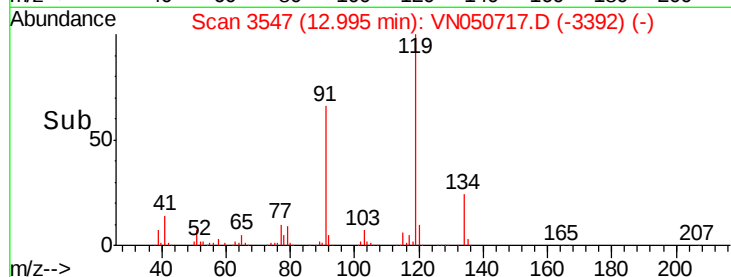
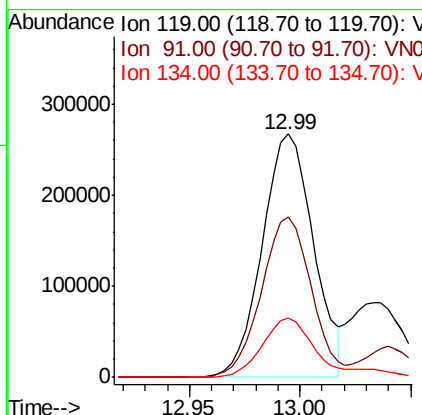
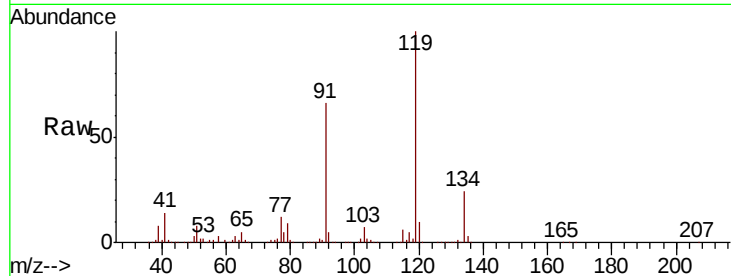
#79
tert-butylbenzene
Concen: 19.57 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	431035		
91	64.2	0.0	126.8	
134	24.0	0.0	47.4	

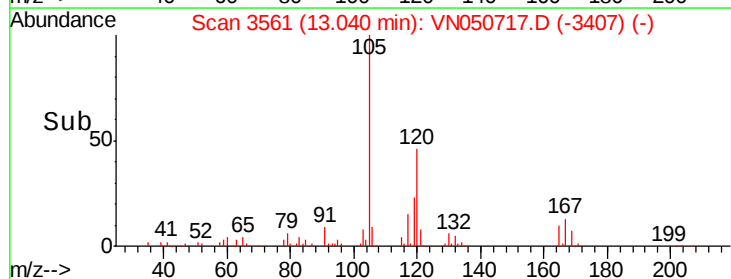
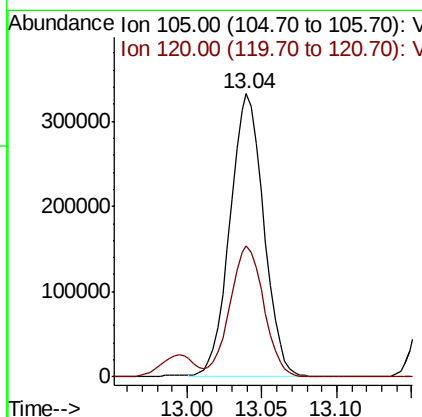
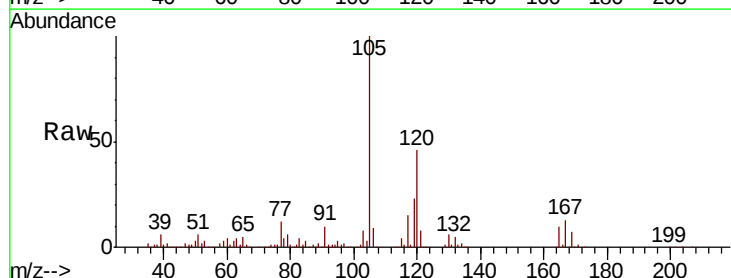
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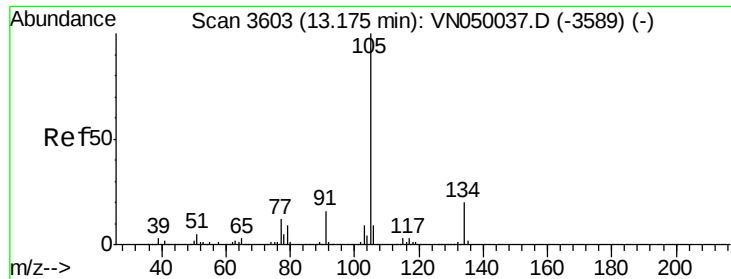
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.97 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	521169		
120	46.7	0.0	90.6	





#81

sec-Butylbenzene

Concen: 19.32 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Instrument :

MSVOA_N

ClientSampleId :

VN0817WBS01

Tot Ion:105 Resp: 578051

Ion Ratio Lower Upper

105 100

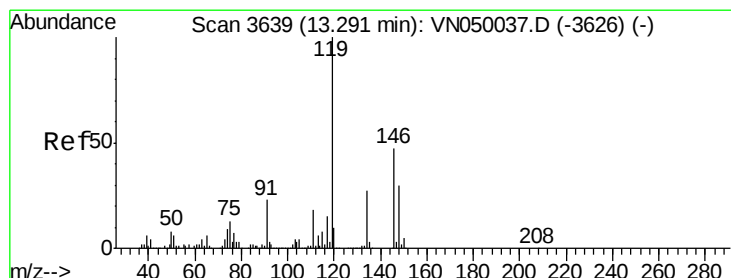
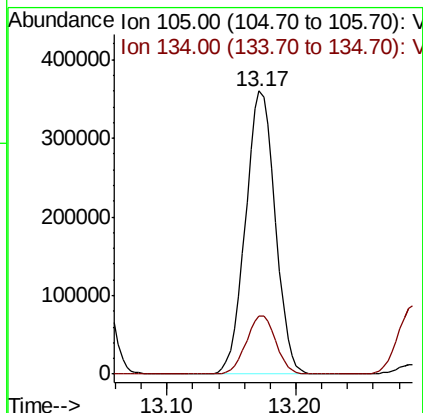
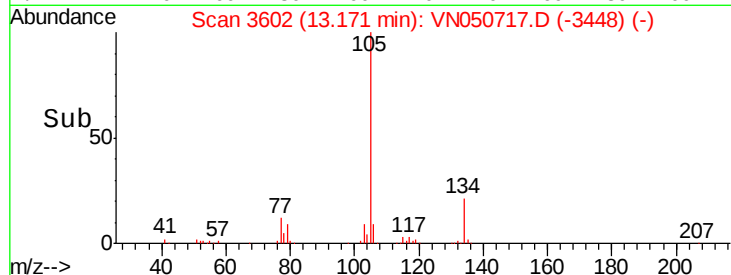
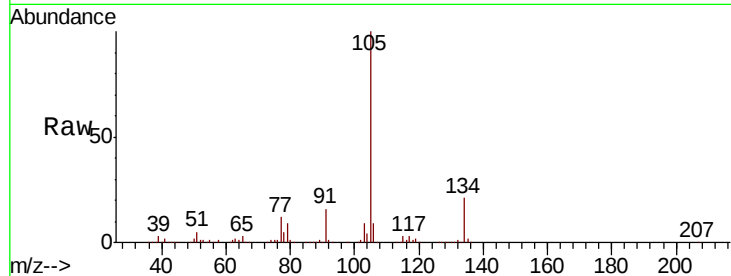
134 20.6 0.0 40.6

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#82

p-Isopropyltoluene

Concen: 19.41 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

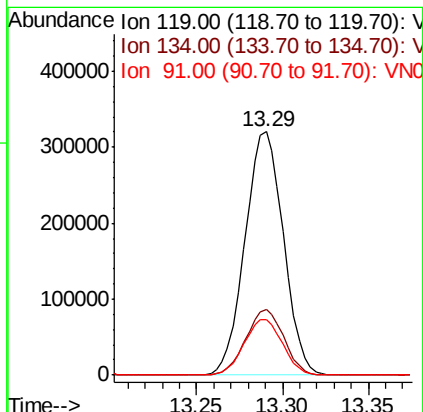
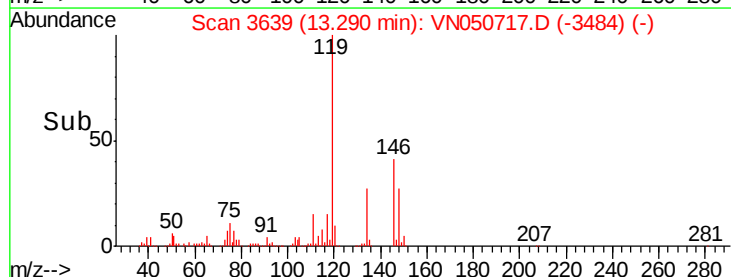
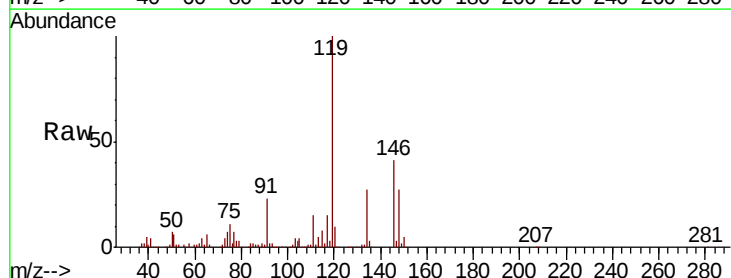
Tgt Ion:119 Resp: 495400

Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.2

91 22.9 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 18.69 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Instrument :

MSVOA_N

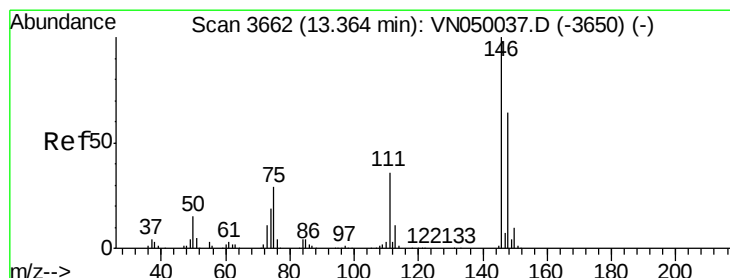
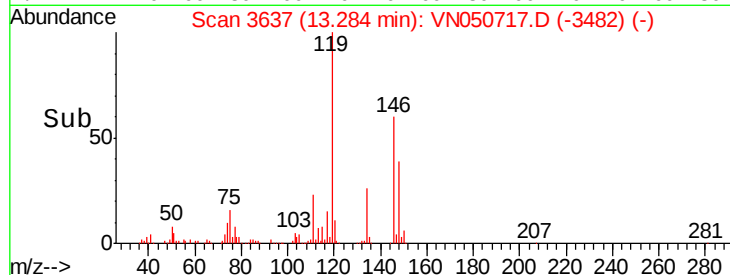
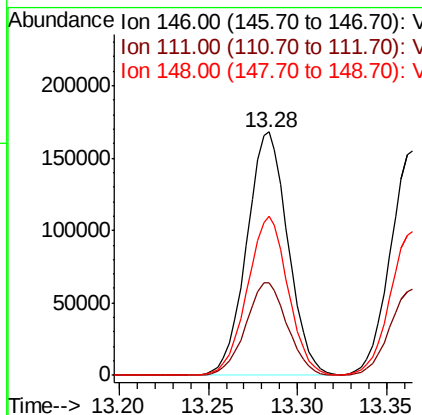
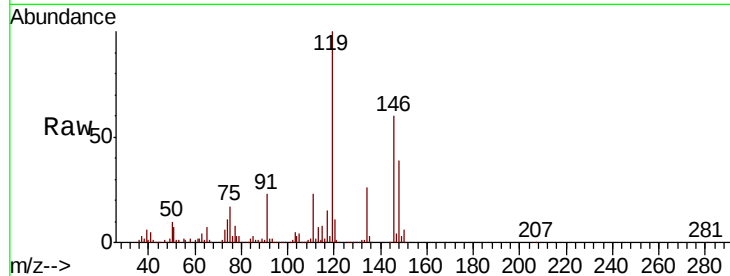
ClientSampleId :

VN0817WBS01

Tot Ion:	146	Resp:	271912
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.1	57.1
148	64.5	31.9	95.9

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 18.46 ug/l

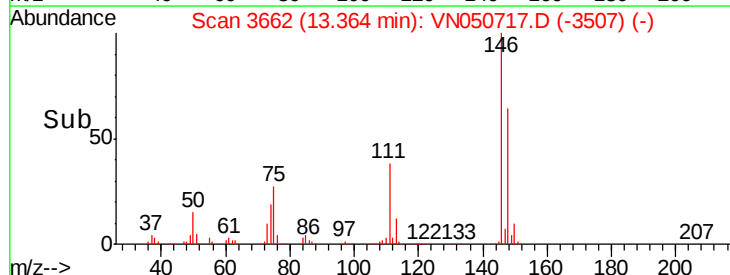
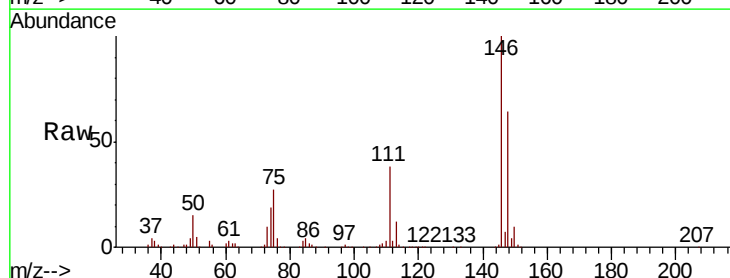
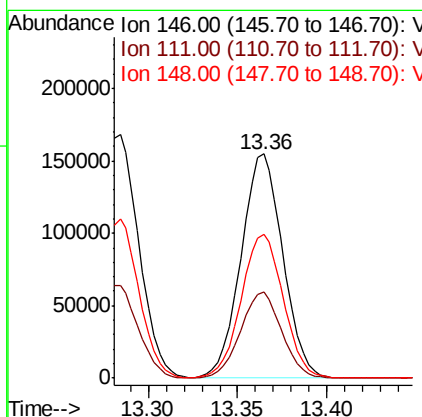
RT: 13.36 min Scan# 3662

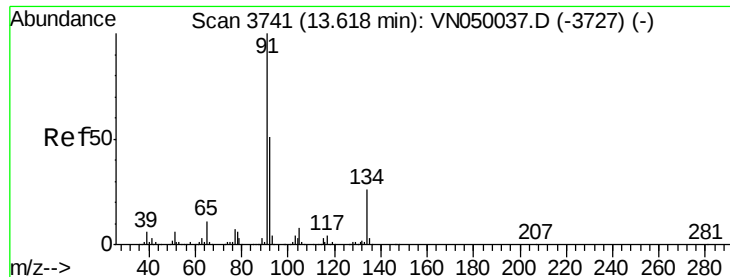
Delta R.T. -0.00 min

Lab File: VN050717.D

Acq: 17 Aug 2018 9:12

Tgt Ion:	146	Resp:	253783
Ion Ratio	Lower	Upper	
146	100		
111	37.8	17.9	53.8
148	64.9	32.4	97.0





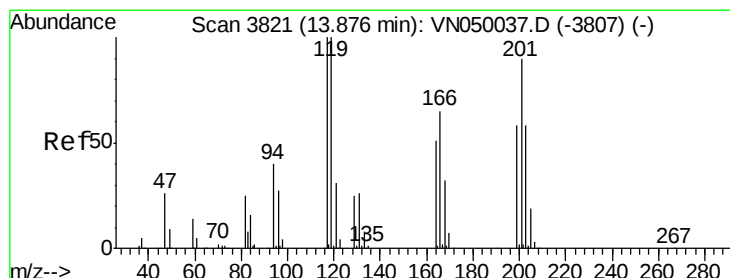
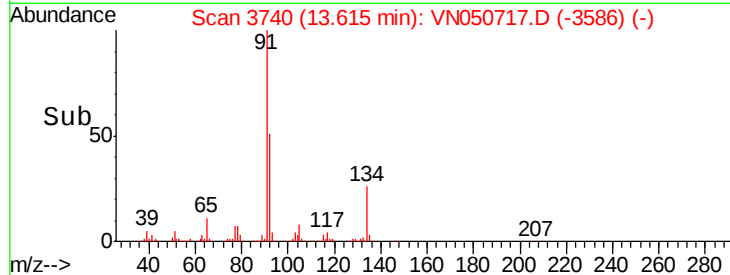
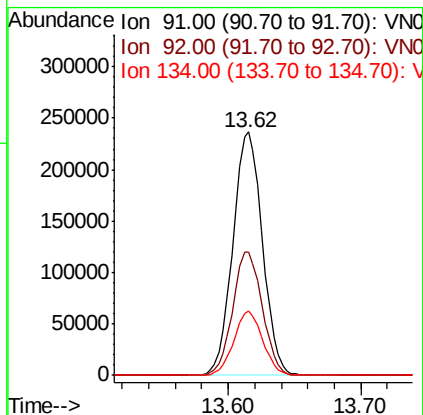
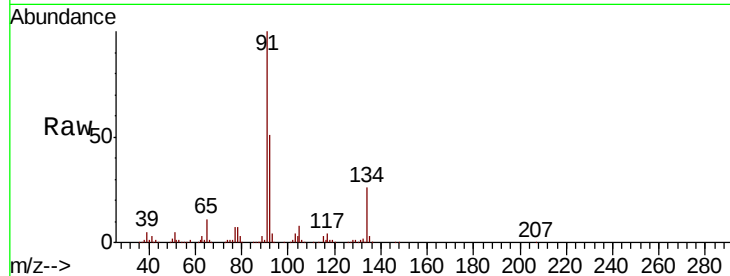
#85
n-Butylbenzene
Concen: 17.64 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	365493		
92	50.8	0.0	102.8	
134	25.7	0.0	51.0	

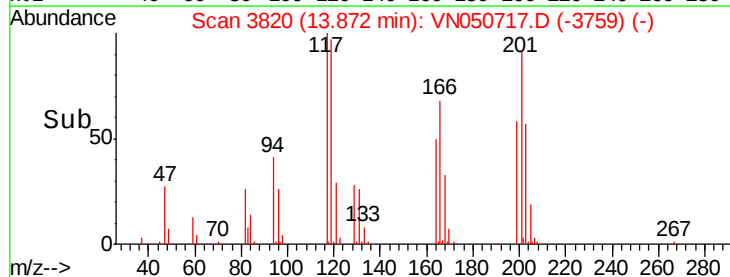
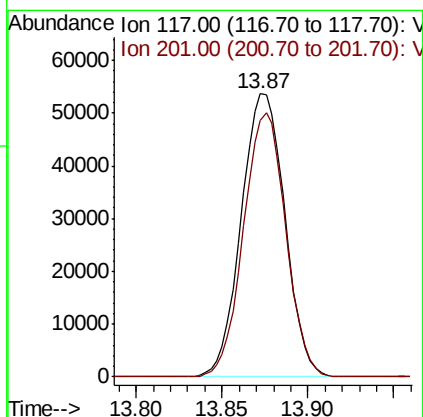
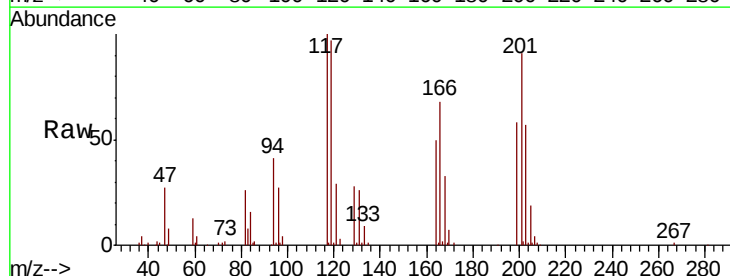
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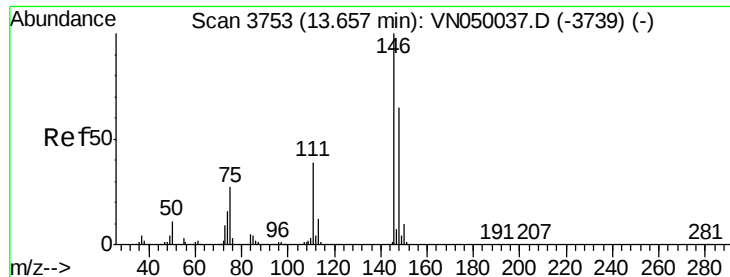
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#86
Hexachloroethane
Concen: 18.53 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	94502		
201	90.0	46.6	139.7	





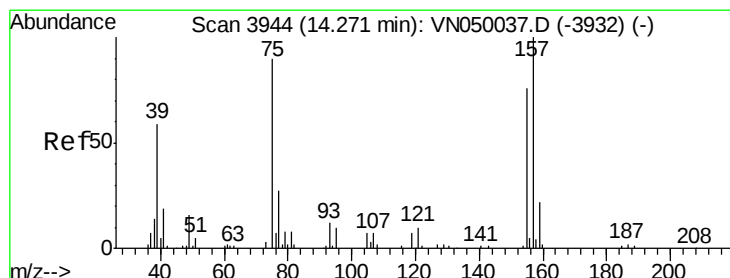
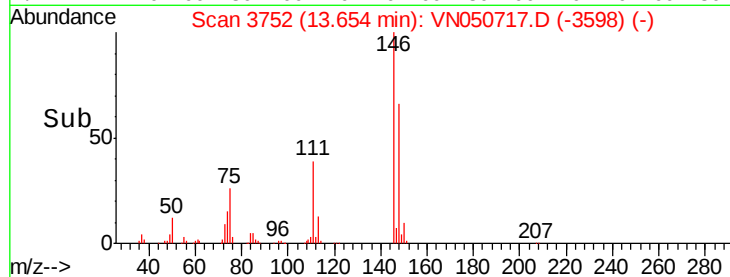
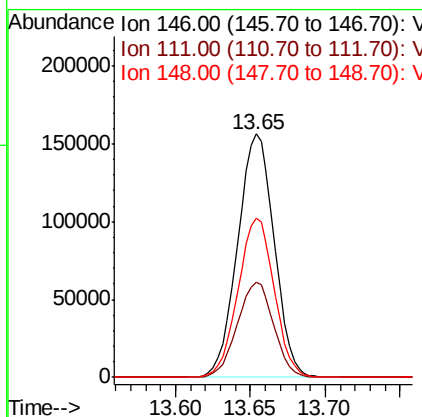
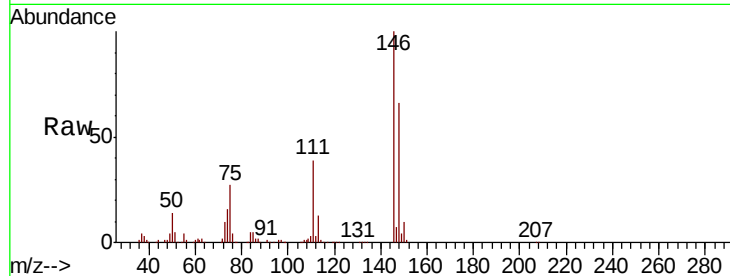
#87
 1,2-Dichlorobenzene
 Concen: 18.70 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.3
148	64.8	31.8	95.3

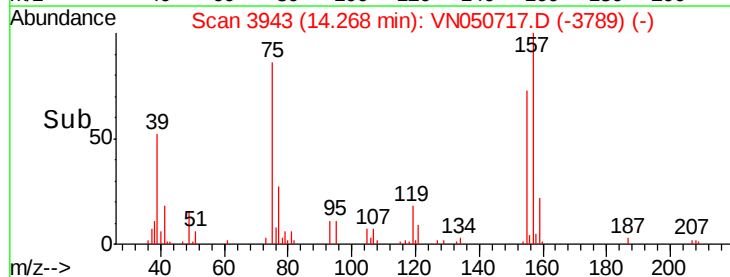
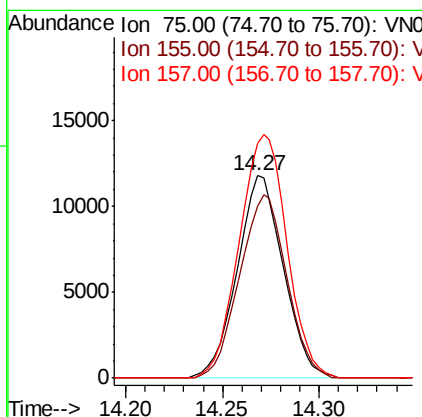
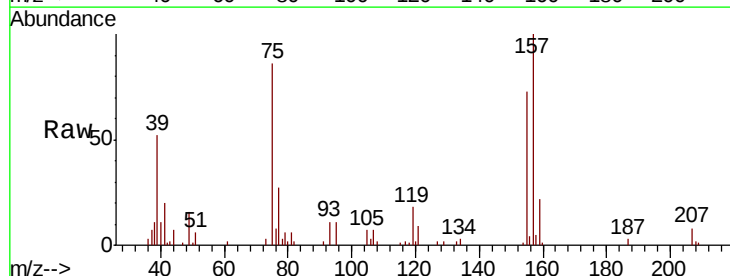
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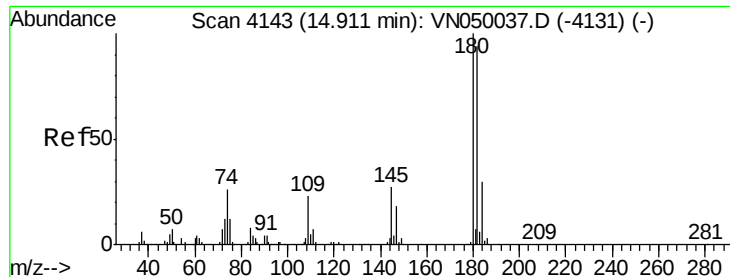
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 8/20/2018 10:35:58 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.64 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	73.0	109.6
157	124.1	94.9	142.3





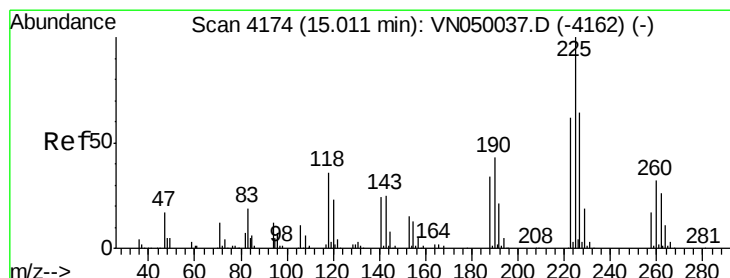
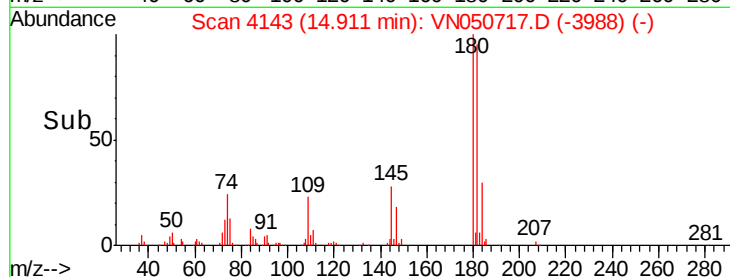
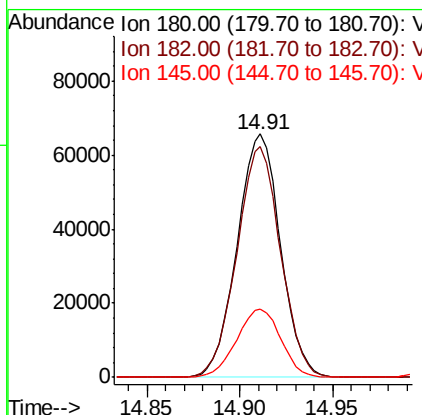
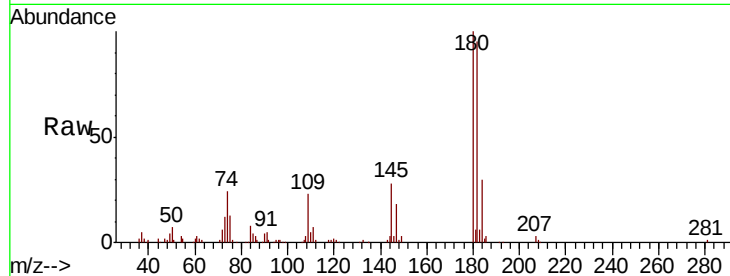
#89
 1,2,4-Trichlorobenzene
 Concen: 15.69 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN0817WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106543		
182	95.3	76.7	115.1	
145	28.6	23.4	35.0	

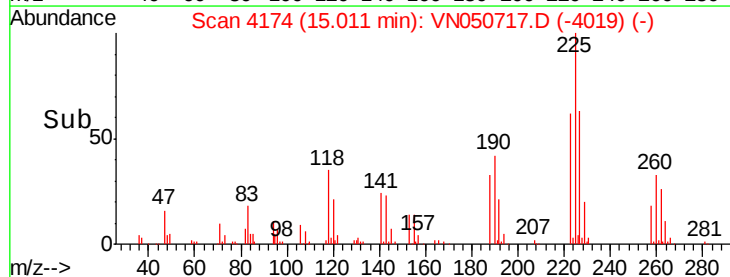
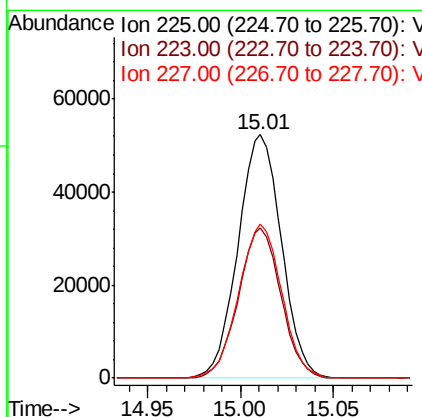
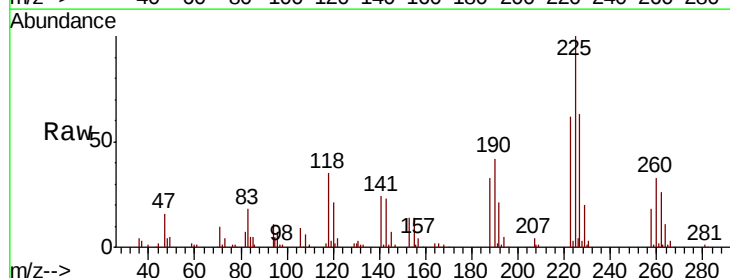
Manual Integrations
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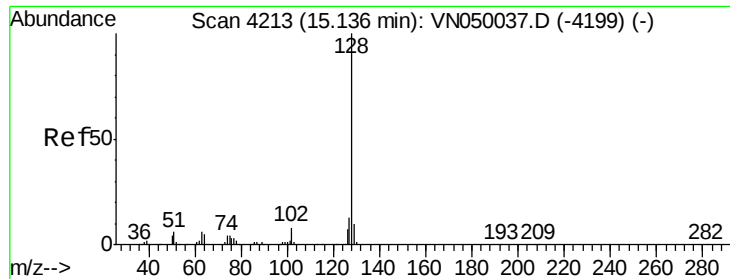
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#90
 Hexachlorobutadiene
 Concen: 19.07 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050717.D
 Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85370		
223	60.3	0.0	124.4	
227	62.6	0.0	133.0	





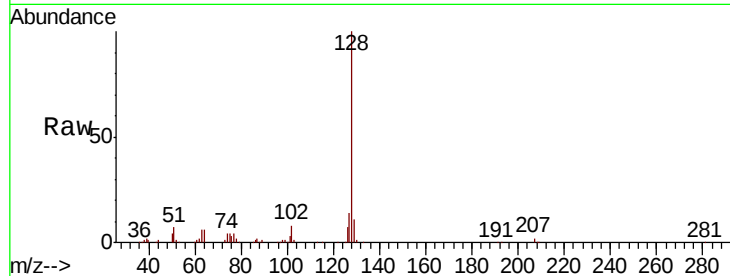
#91
Naphthalene
Concen: 16.53 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	189289		
127	13.8	10.2	15.4	
129	11.0	9.0	13.4	

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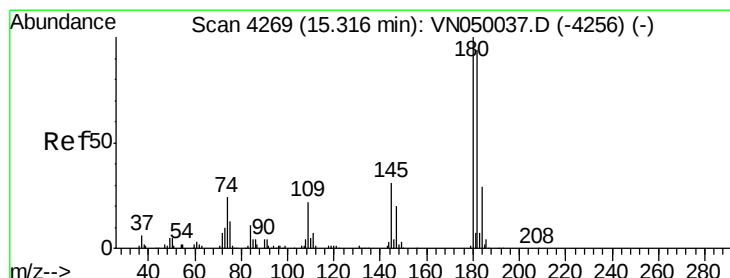
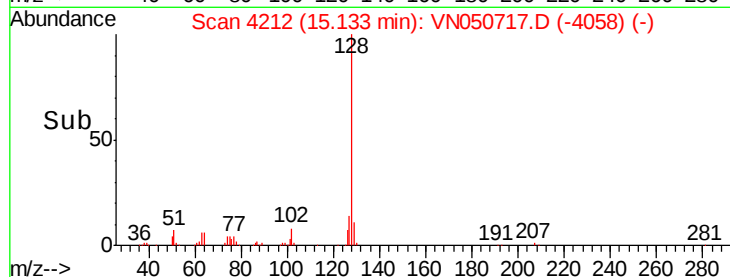
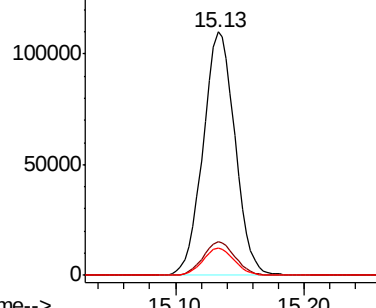


Abundance

Ion 128.00 (127.70 to 128.70): V

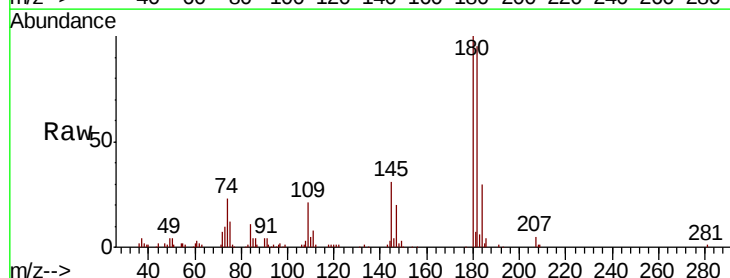
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 15.70 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050717.D
Acq: 17 Aug 2018 9:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108442		
182	95.8	0.0	188.8	
145	30.3	0.0	60.8	



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

