

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050128.D
 Acq On : 27 Jul 2018 13:15
 Operator : MD\SY
 Sample : VN0727WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0727WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 1:37:16 PM

Quant Time: Jul 27 23:19:02 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	140911	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	757879	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	658670	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	287906	30.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.20%
60) 4-Bromofluorobenzene	12.40	95	297647	29.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.03%
63) Toluene-d8	10.09	98	917057	29.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	185704	19.124	ug/l 99
3) Chloromethane	2.06	50	166236	16.604	ug/l 99
4) Vinyl Chloride	2.18	62	187036	17.547	ug/l 97
5) Bromomethane	2.56	94	71541	11.010	ug/l 98
6) Chloroethane	2.70	64	112905	17.910	ug/l 100
7) Trichlorofluoromethane	3.01	101	256877	18.443	ug/l 99
8) Diethyl Ether	3.41	74	90901	19.456	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	156883	18.515	ug/l 99
10) 1,1-Dichloroethene	3.73	96	138907	18.489	ug/l 93
11) Methyl Iodide	3.95	142	67338	6.091	ug/l 99
12) Methyl Acetate	4.33	43	181090	21.042	ug/l 95
13) Acrolein	3.61	56	27861	52.383	ug/l 95
14) Acrylonitrile	5.00	53	274549	95.604	ug/l 98
15) Acetone	3.82	58	73586	96.418	ug/l 100
16) Carbon Disulfide	4.05	76	390105	16.967	ug/l 99
17) Allyl chloride	4.32	41	217539	18.335	ug/l 97
18) Methylene Chloride	4.55	84	158574	18.291	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	149697	18.611	ug/l 96
20) Diisopropyl ether	5.96	45	464157	19.079	ug/l 98
21) 1,1-Dichloroethane	5.85	63	280937	18.365	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	168616	18.903	ug/l 100
23) tert-Butyl Alcohol	4.80	59	70084	109.219	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	416002	20.304	ug/l 98
25) Chloroform	7.37	83	287176	18.545	ug/l 98
26) Cyclohexane	7.65	56	223163	18.358	ug/l # 100
29) 1,1-Dichloropropene	7.80	75	208307	17.711	ug/l 99
30) 2-Butanone	6.84	43	337387	91.413	ug/l 97
31) 2,2-Dichloropropane	6.83	77	231397	17.798	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	247592	17.884	ug/l 99
33) Carbon Tetrachloride	7.78	117	216225	17.521	ug/l 99
34) Benzene	8.04	78	634929	17.775	ug/l 99
35) Methacrylonitrile	7.18	41	73135	17.404	ug/l 97
36) 1,2-Dichloroethane	8.13	62	213988	18.246	ug/l 99
37) Trichloroethene	8.84	130	168032	17.936	ug/l 97
38) Methylcyclohexane	9.09	83	221478	17.862	ug/l 97
39) 1,2-Dichloropropane	9.12	63	165625	17.601	ug/l 99
40) Dibromomethane	9.21	93	105908	18.211	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	220040	17.937	ug/l	97
42) Vinyl Acetate	5.90	43	1589913	91.543	ug/l	99
43) Ethyl Acetate	6.93	43	146638	19.027	ug/l #	90
44) Isopropyl Acetate	8.17	43	291111	20.390	ug/l	96
45) 1,4-Dioxane	9.20	88	37836	402.733	ug/l	99
46) Methyl methacrylate	9.20	41	131932	19.062	ug/l	97
47) n-amyl Acetate	12.07	43	199289	17.939	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	217273	18.581	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	248029	18.053	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	153625	18.403	ug/l	98
51) Ethyl methacrylate	10.43	69	187943	18.549	ug/l	99
52) 1,3-Dichloropropane	10.71	76	252136	18.393	ug/l	98
53) Dibromochloromethane	10.90	129	167357	17.665	ug/l	99
54) 1,2-Dibromoethane	11.01	107	150354	18.390	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	428679	93.482	ug/l	99
56) Bromoform	12.13	173	116799	17.460	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	744443	97.132	ug/l	98
59) 2-Hexanone	10.75	43	495389	94.744	ug/l	99
61) Tetrachloroethene	10.63	164	157546	17.659	ug/l	98
62) Toluene	10.16	91	680333	18.104	ug/l	100
64) Chlorobenzene	11.44	112	419034	18.388	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	159886	17.988	ug/l	99
66) Ethyl Benzene	11.51	91	706251	18.390	ug/l	99
67) m/p-Xylenes	11.62	106	550575	37.253	ug/l	98
68) o-Xylene	11.95	106	268424	19.089	ug/l	99
69) Styrene	11.97	104	411423	18.251	ug/l	100
70) Isopropylbenzene	12.25	105	704343	18.807	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	197175	19.176	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	168312m	19.166	ug/l	
73) Bromobenzene	12.53	156	181534	18.197	ug/l	100
74) n-propylbenzene	12.59	91	789978	18.112	ug/l	100
75) 2-Chlorotoluene	12.68	91	482945	18.435	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	580373	18.868	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	47928	16.693	ug/l	94
78) 4-Chlorotoluene	12.78	91	471217	18.151	ug/l	100
79) tert-butylbenzene	12.99	119	502896	19.123	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	587329	18.846	ug/l	100
81) sec-Butylbenzene	13.17	105	657494	18.404	ug/l	100
82) p-Isopropyltoluene	13.29	119	572754	18.790	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	310967	17.901	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	293765	17.895	ug/l	99
85) n-Butylbenzene	13.62	91	429656	17.368	ug/l	99
86) Hexachloroethane	13.88	117	102472	16.823	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	308252	18.154	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30591	19.098	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	140190	17.286	ug/l	98
90) Hexachlorobutadiene	15.01	225	98332	18.389	ug/l	97
91) Naphthalene	15.14	128	339452	20.994	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	151707	18.393	ug/l	99

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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

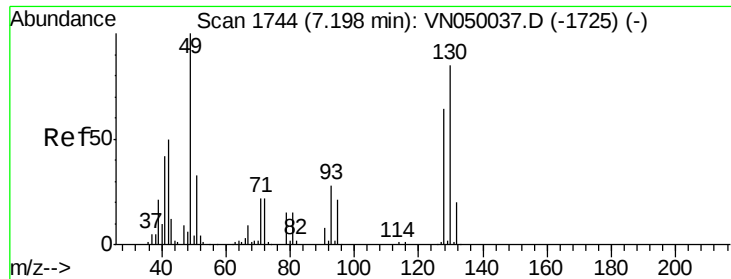
Manual Integrations
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

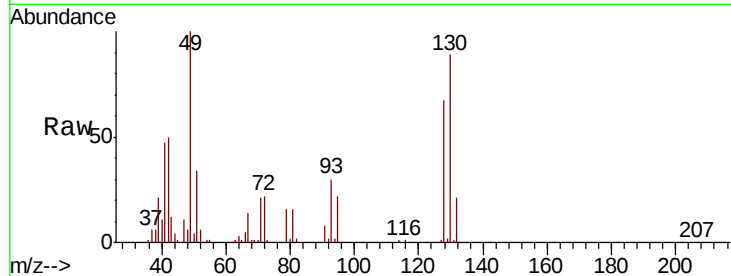
ClientSampleId :

VN0727WBSD01

Tot Ion:	128	Resp:	140911
Ion	Ratio	Lower	Upper
128	100		
49	148.2	0.0	378.3
130	127.9	0.0	320.7

Manual Integrations
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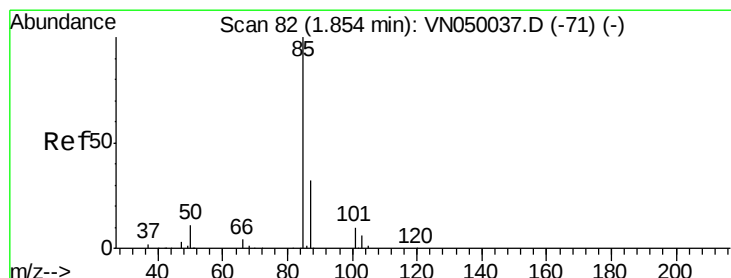
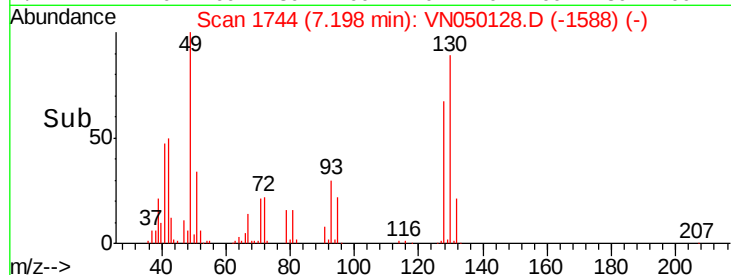
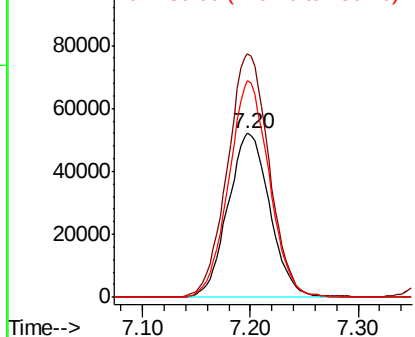


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.124 ug/l

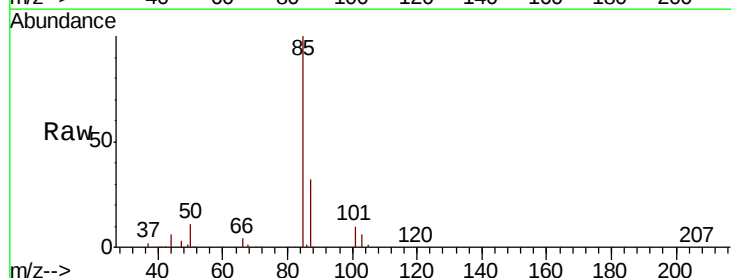
RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

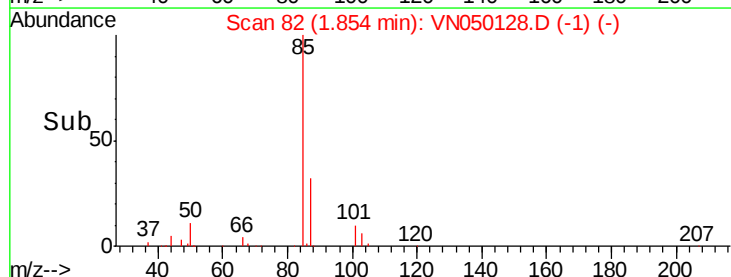
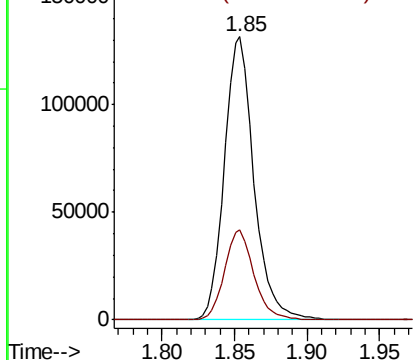
Tgt Ion:	85	Resp:	185704
Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.4	46.4

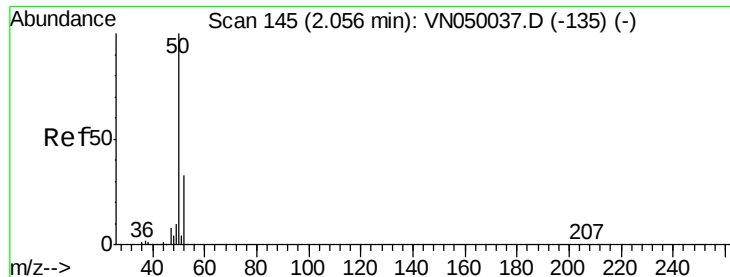


Abundance

Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 16.604 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion: 50 Resp: 166236

Ion Ratio Lower Upper

50 100

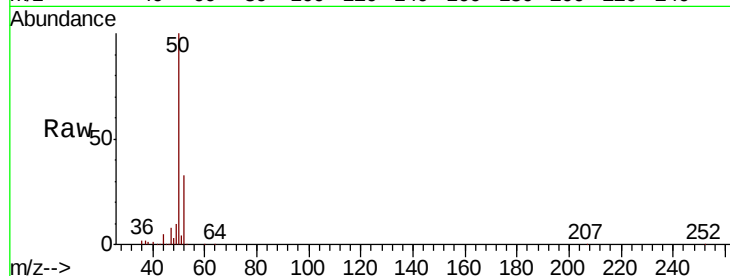
52 32.9 26.1 39.1

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

150000

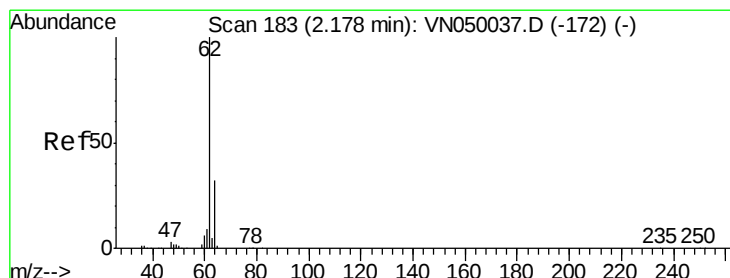
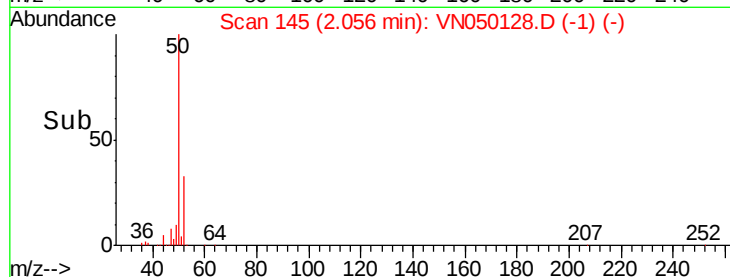
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 17.547 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050128.D

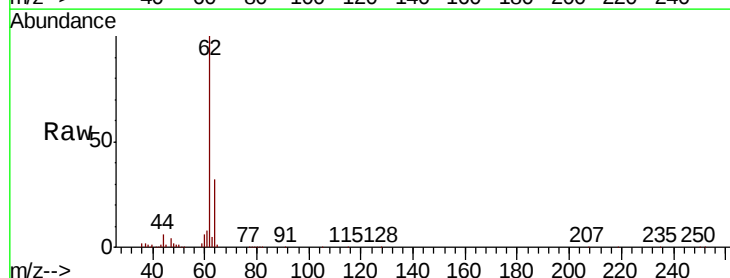
Acq: 27 Jul 2018 13:15

Tgt Ion: 62 Resp: 187036

Ion Ratio Lower Upper

62 100

64 32.2 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

150000

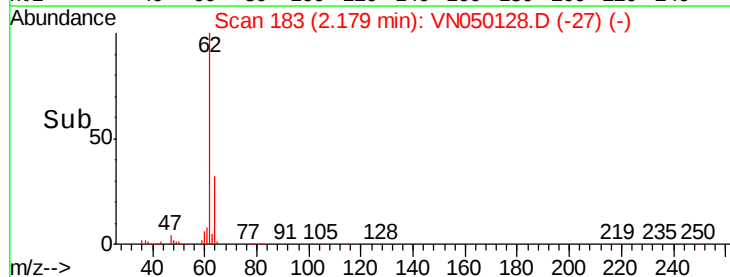
100000

50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 11.010 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion: 94 Resp: 71541

Ion Ratio Lower Upper

94 100

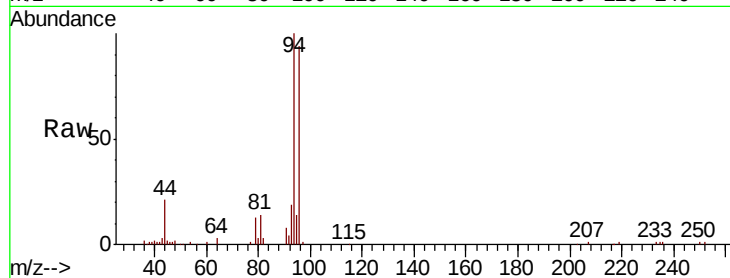
96 93.1 75.9 113.9

Manual Integrations

APPROVED

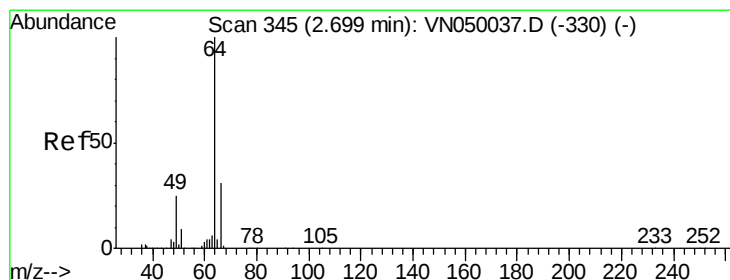
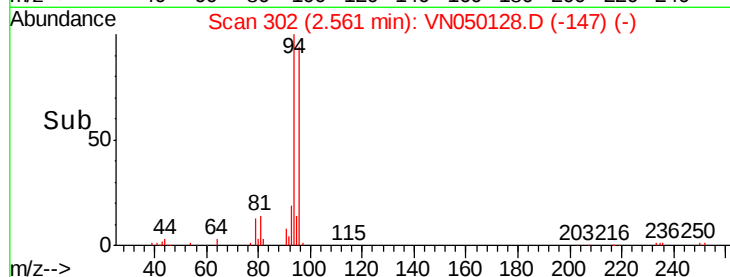
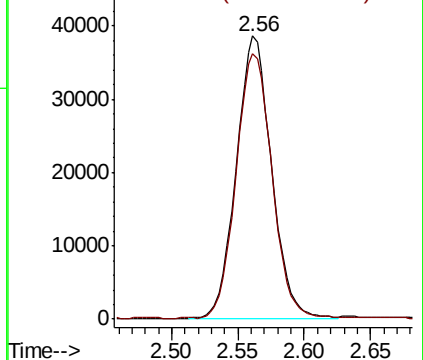
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 17.910 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050128.D

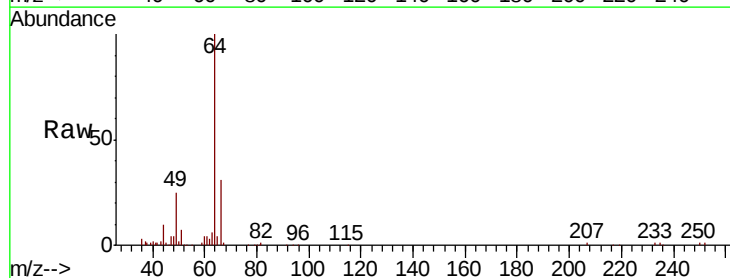
Acq: 27 Jul 2018 13:15

Tgt Ion: 64 Resp: 112905

Ion Ratio Lower Upper

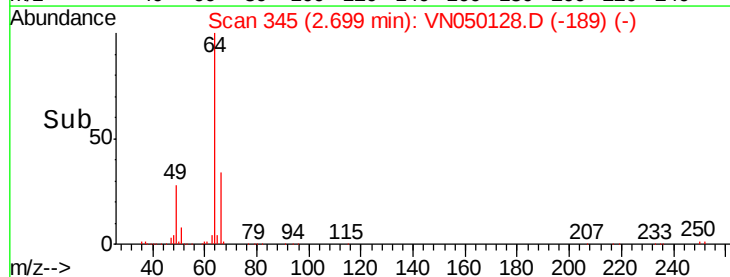
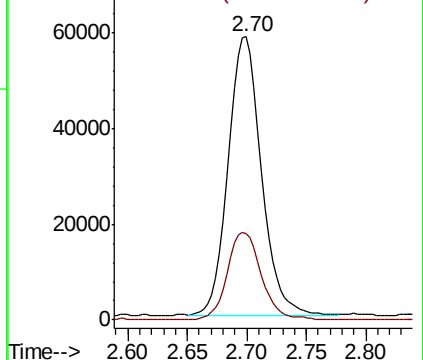
64 100

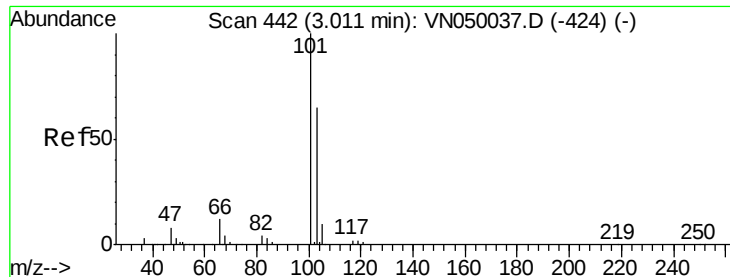
66 31.1 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

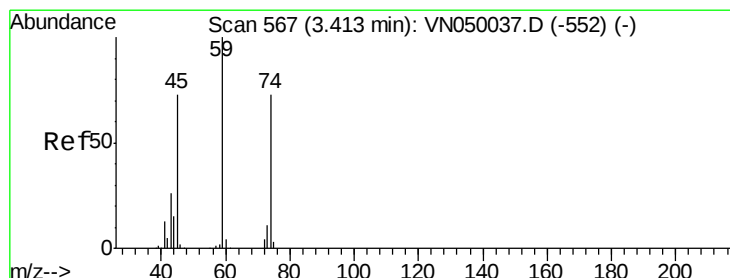
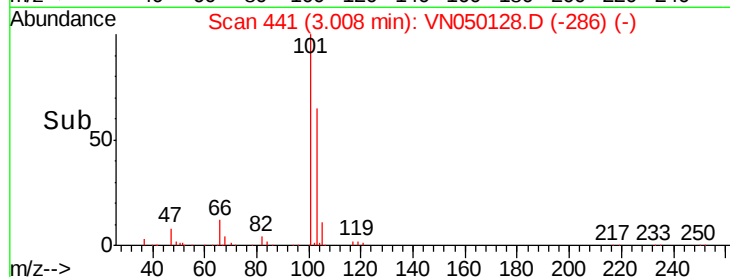
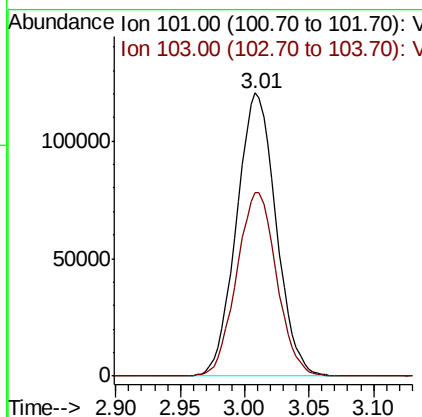
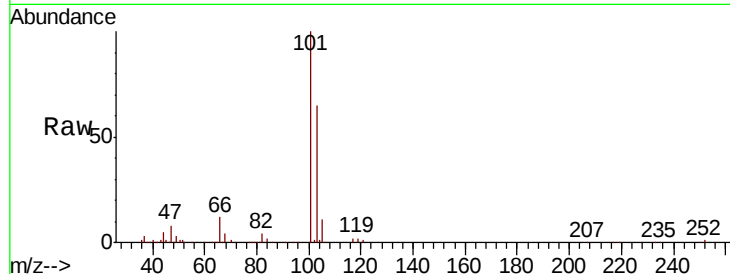
Trichlorofluoromethane
 Concen: 18.443 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Instrument :
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 ClientSampleId :
 VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.5	77.3

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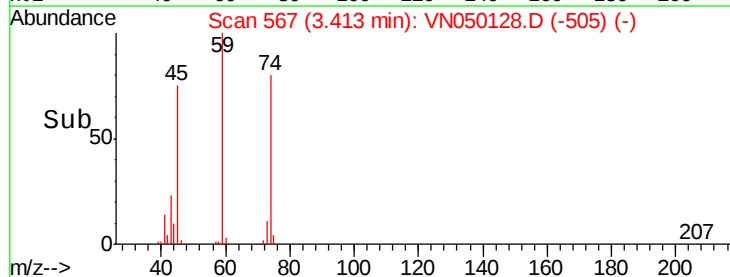
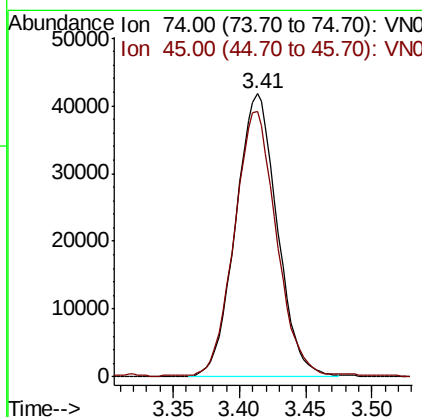
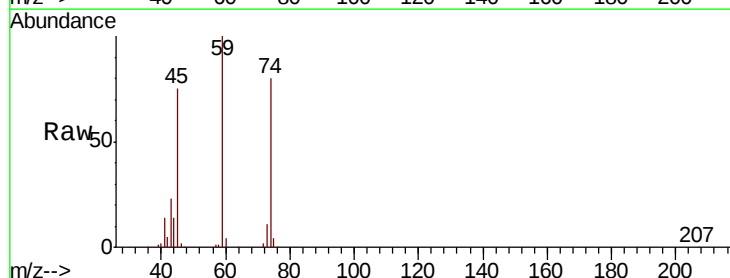
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 7/30/2018 1:37:16 PM

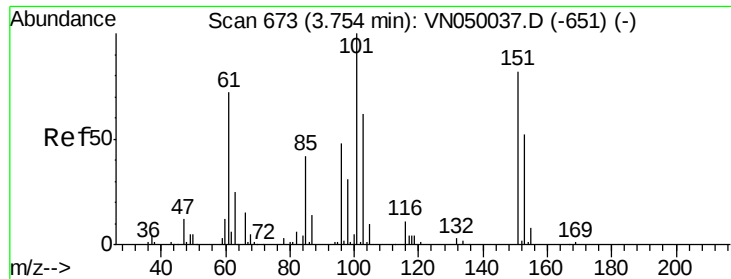


#8

Diethyl Ether
 Concen: 19.456 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.0	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.515 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

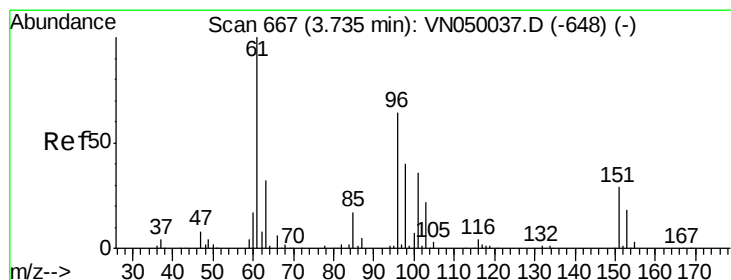
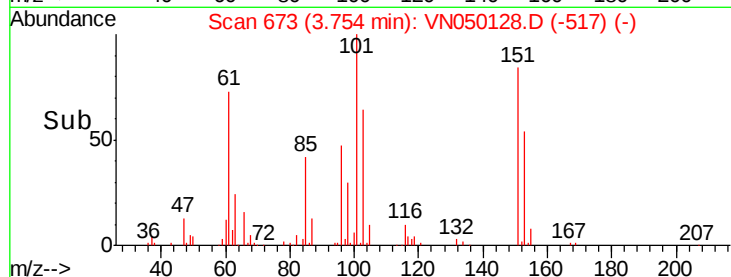
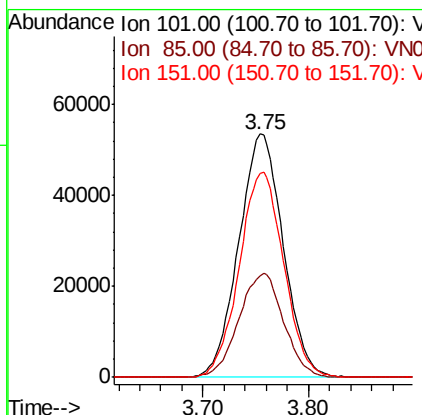
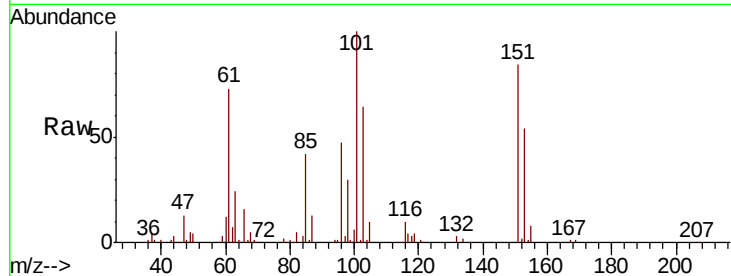
ClientSampled :

VN0727WBSD01

Tot Ion:	101	Resp:	156883
Ion Ratio	Lower	Upper	
101	100		
85	42.9	0.0	83.0
151	84.4	0.0	166.8

Manual Integrations
APPROVED

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#10

1,1-Dichloroethene

Concen: 18.489 ug/l

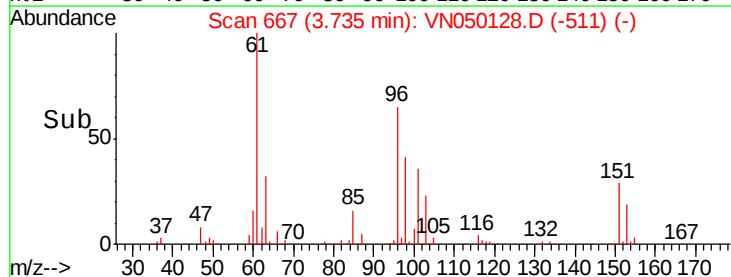
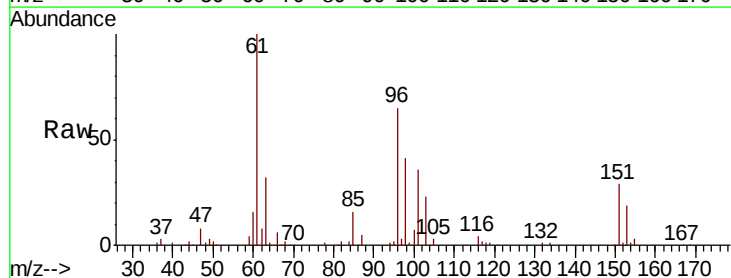
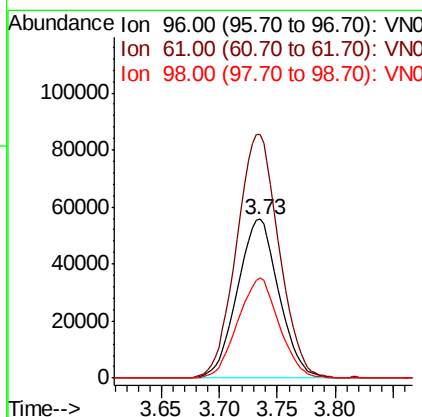
RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Tgt Ion:	96	Resp:	138907
Ion Ratio	Lower	Upper	
96	100		
61	153.1	130.6	195.8
98	63.2	53.5	80.3





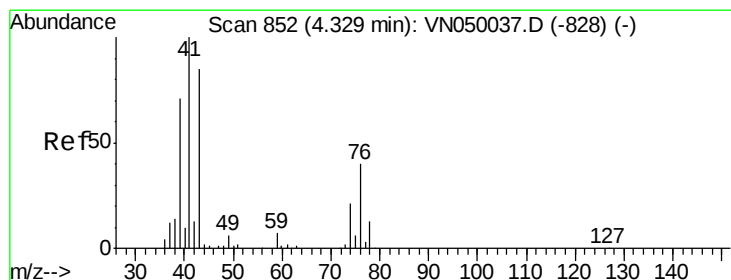
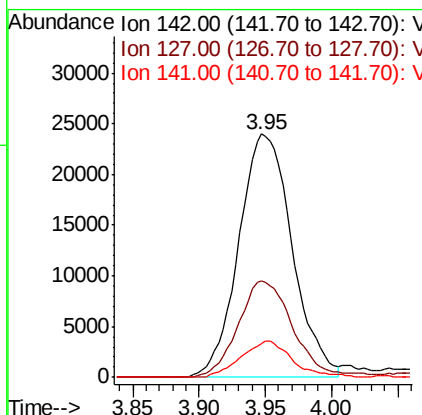
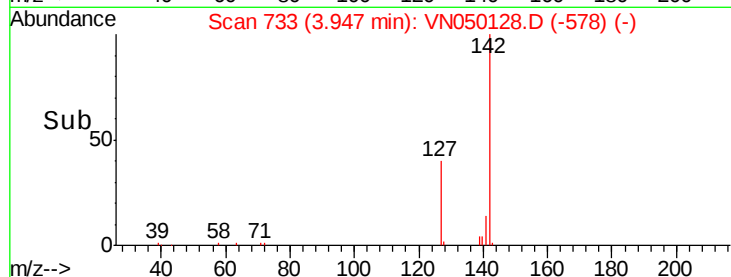
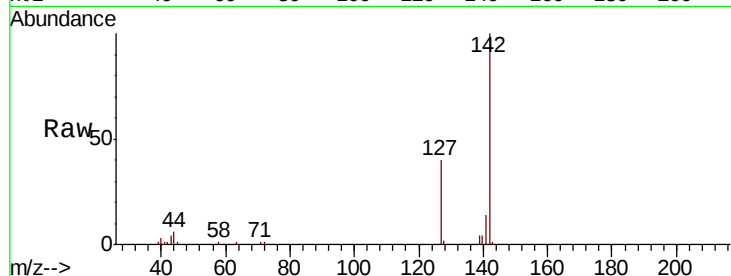
#11
Methyl Iodide
Concen: 6.091 ug/l
RT: 3.95 min Scan# 733
Delta R.T. -0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.5	20.2	60.5
141	13.9	6.9	20.6

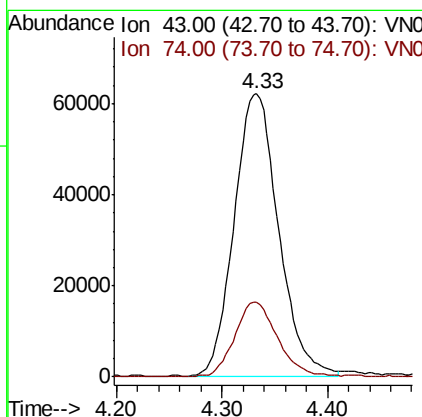
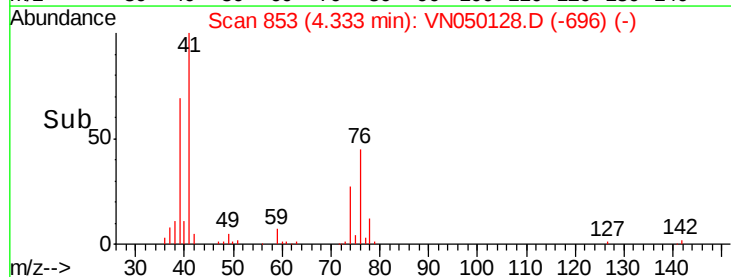
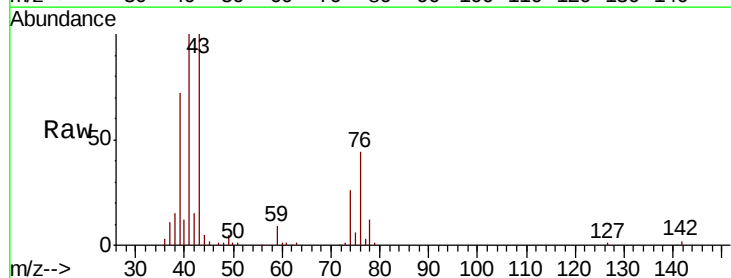
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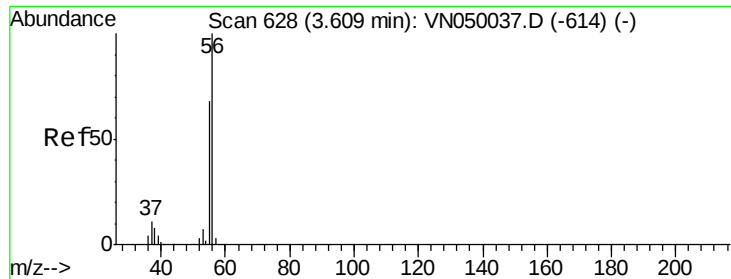
MMDadoda
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#12
Methyl Acetate
Concen: 21.042 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.6	19.3	28.9





#13

Acrolein

Concen: 52.383 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion: 56 Resp: 27861

Ion Ratio Lower Upper

56 100

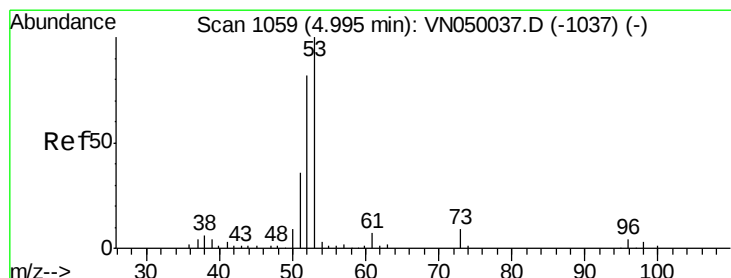
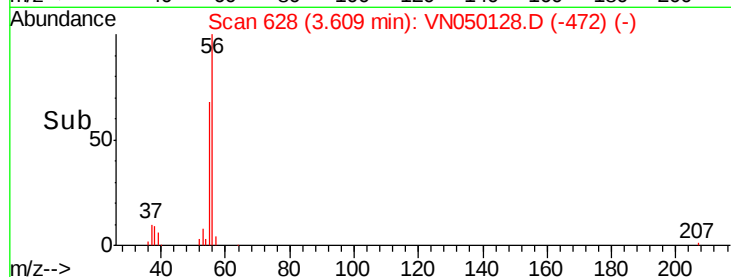
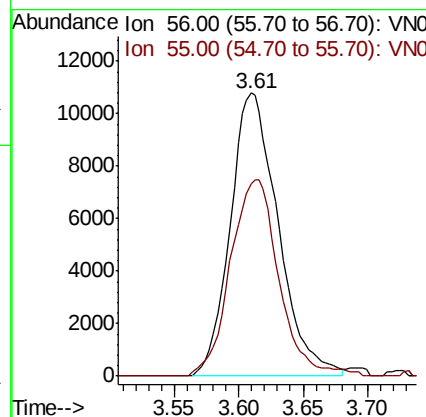
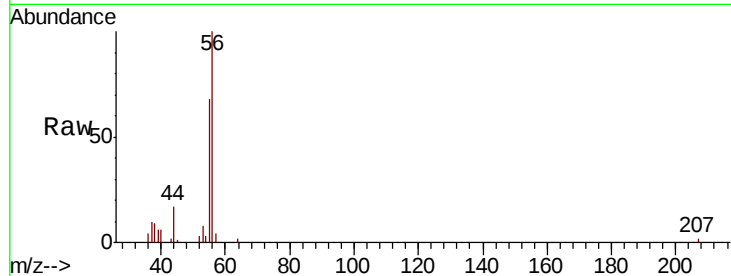
55 69.3 58.6 88.0

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#14

Acrylonitrile

Concen: 95.604 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

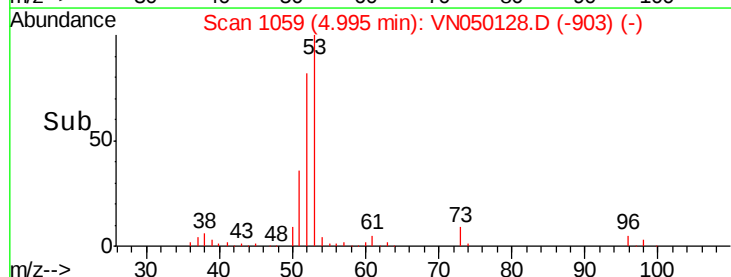
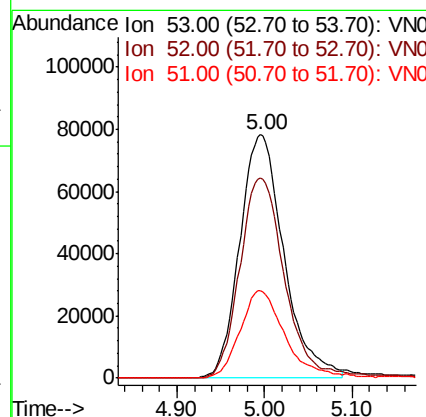
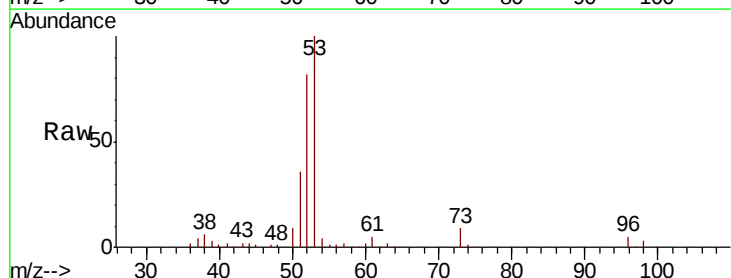
Tgt Ion: 53 Resp: 274549

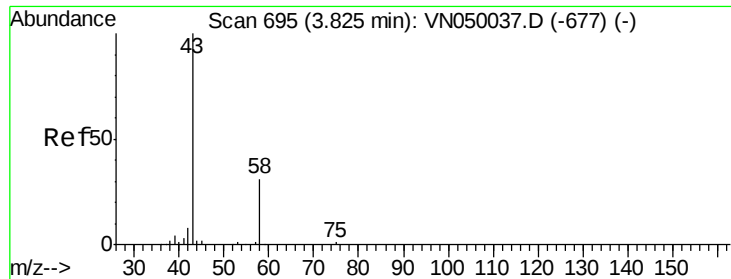
Ion Ratio Lower Upper

53 100

52 81.2 41.5 124.5

51 36.2 18.7 56.1





#15

Acetone

Concen: 96.418 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion: 58 Resp: 73586

Ion Ratio Lower Upper

58 100

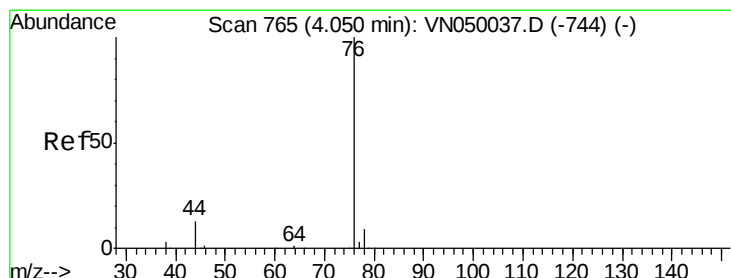
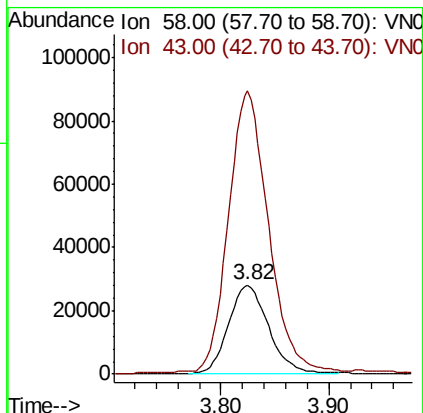
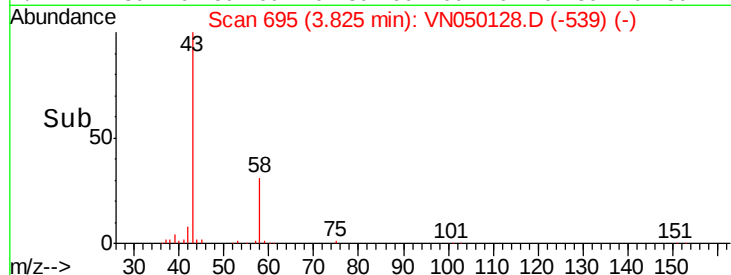
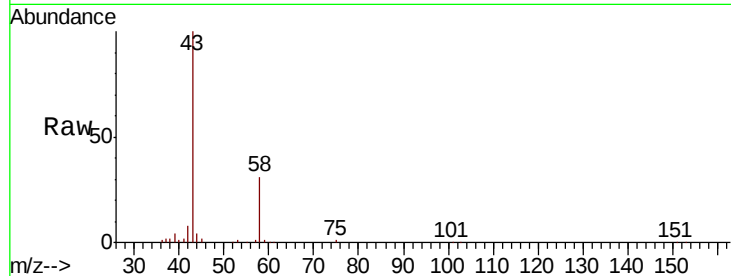
43 315.4 252.0 378.0

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#16

Carbon Disulfide

Concen: 16.967 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050128.D

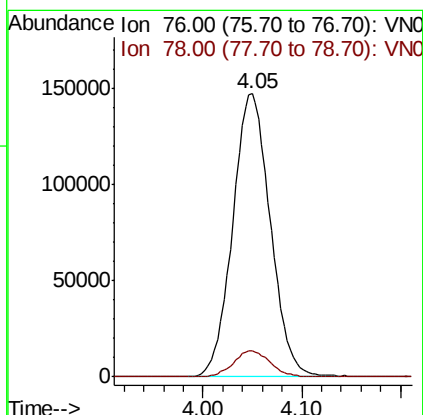
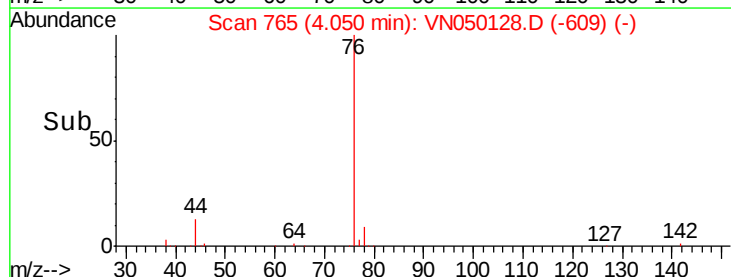
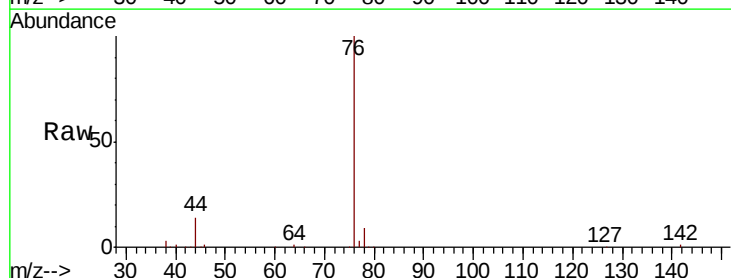
Acq: 27 Jul 2018 13:15

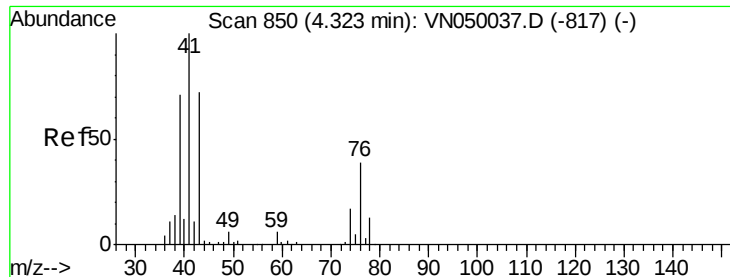
Tgt Ion: 76 Resp: 390105

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9





#17

Allvl chloride

Concen: 18.335 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

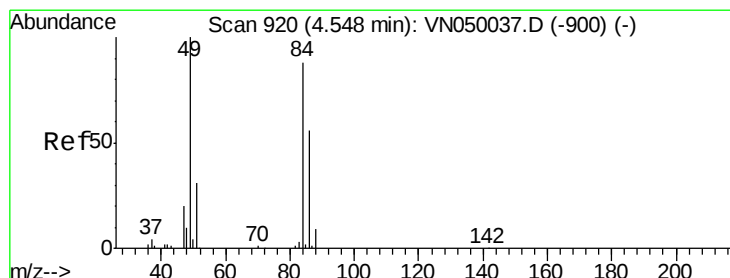
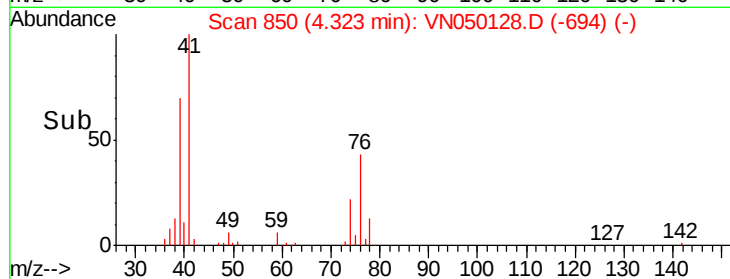
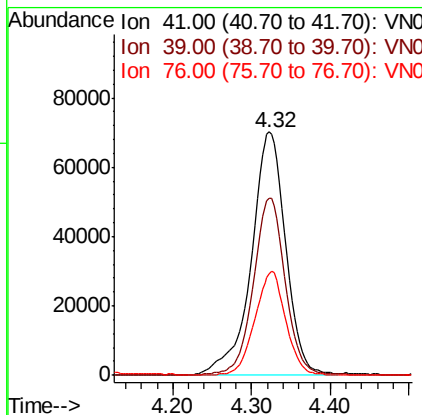
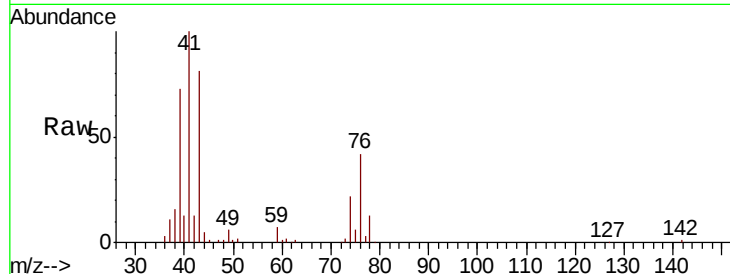
ClientSampleId :

VN0727WBSD01

Tot Ion:	41	Resp:	217539
Ion	Ratio	Lower	Upper
41	100		
39	72.6	35.4	106.3
76	41.5	19.7	59.1

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#18

Methylene Chloride

Concen: 18.291 ug/l

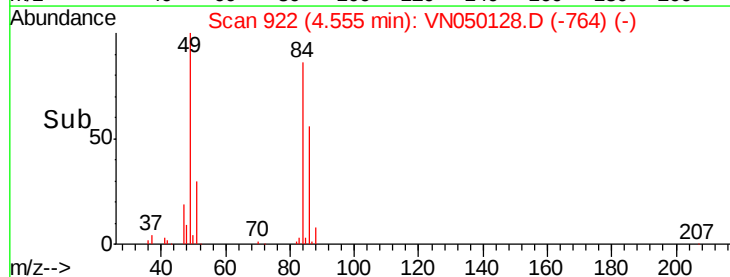
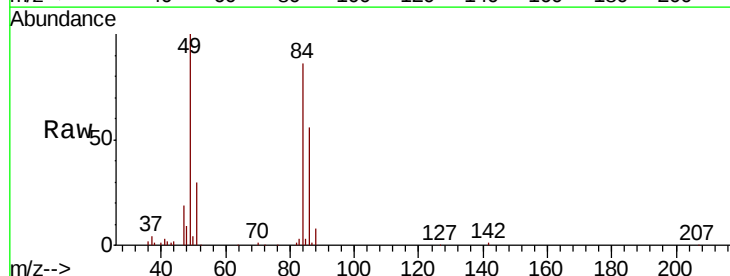
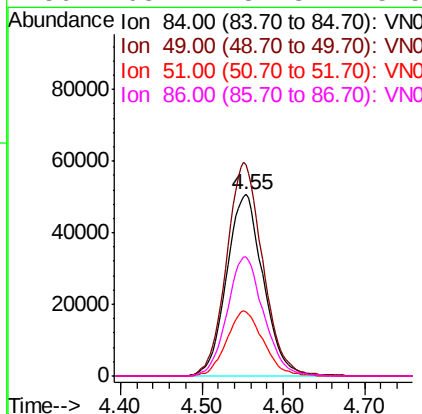
RT: 4.55 min Scan# 922

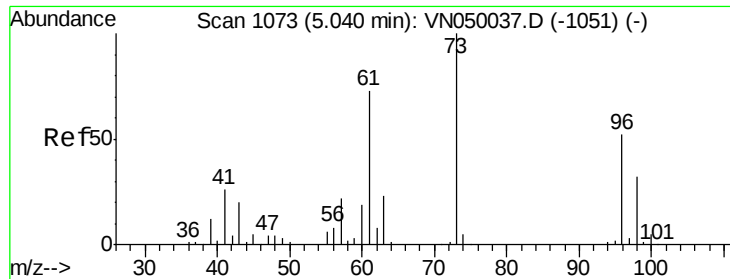
Delta R.T. 0.01 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Tgt Ion:	84	Resp:	158574
Ion	Ratio	Lower	Upper
84	100		
49	116.3	95.1	142.7
51	35.3	28.8	43.2
86	65.4	52.3	78.5





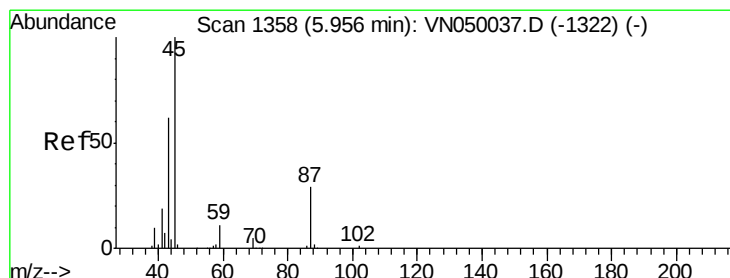
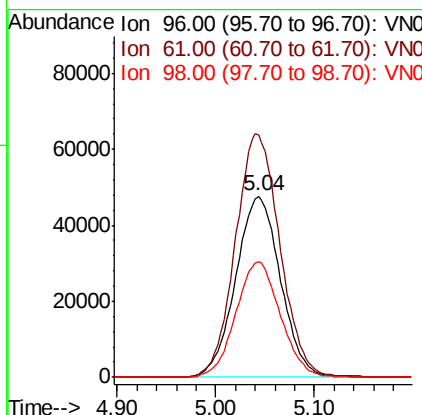
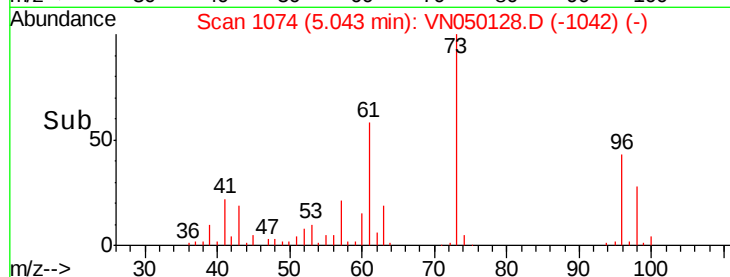
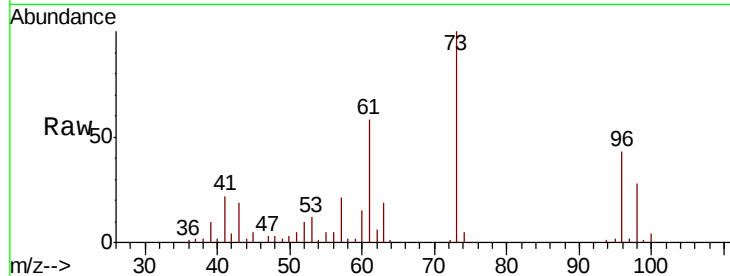
#19
trans-1,2-Dichloroethene
Concen: 18.611 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	112.1	168.1
98	64.1	51.3	76.9

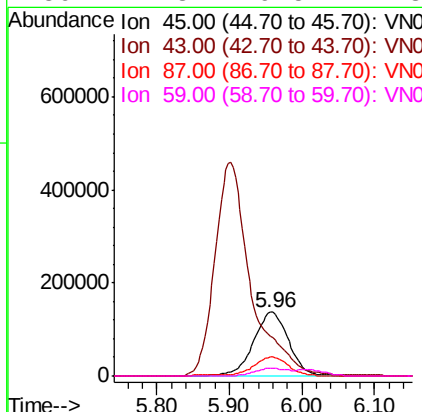
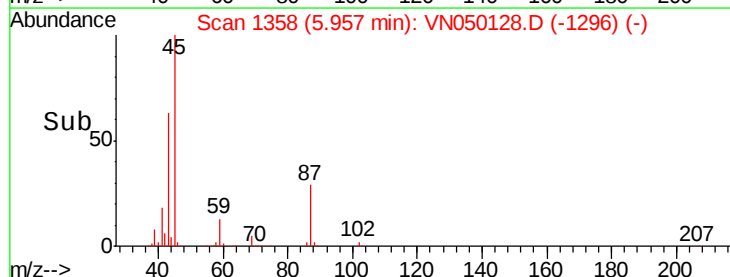
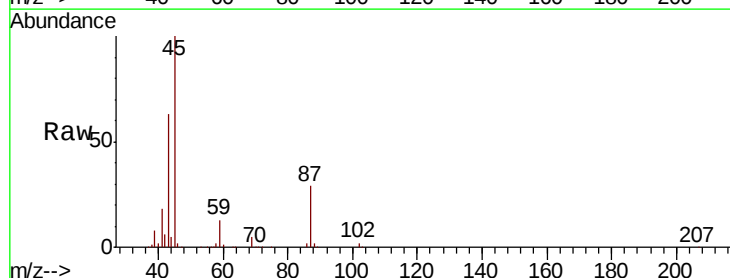
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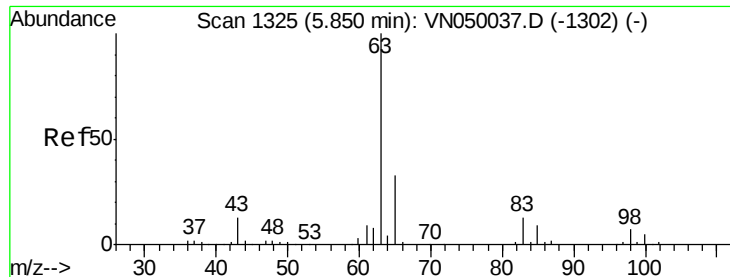
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#20
Diisopropyl ether
Concen: 19.079 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.1	46.6	70.0
87	29.1	22.3	33.5
59	12.3	9.5	14.3





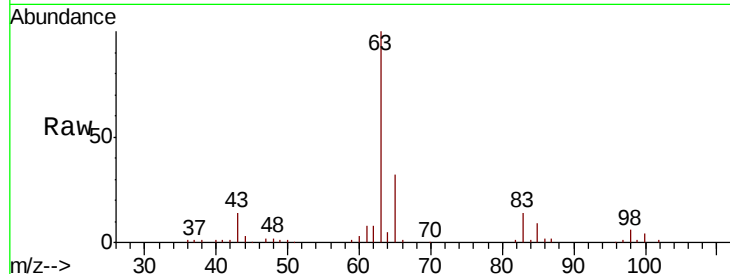
#21
 1,1-Dichloroethane
 Concen: 18.365 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

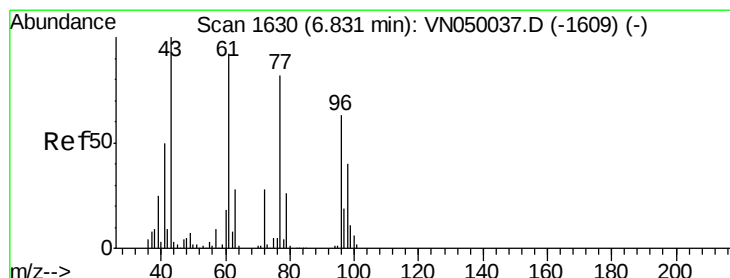
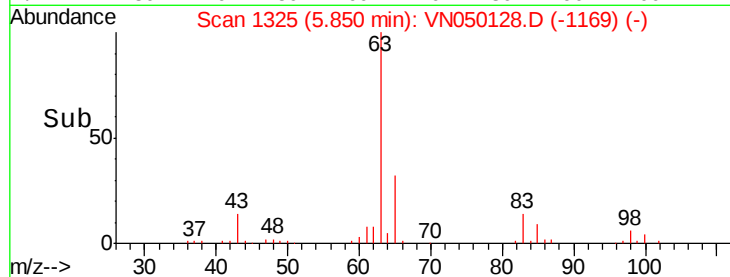
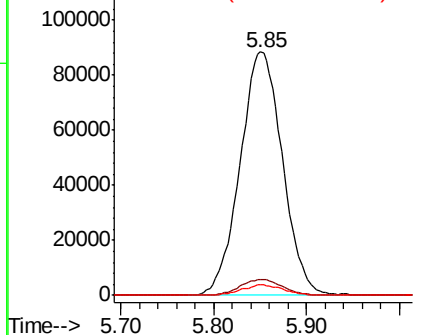
Tot Ion	Ratio	Resp	Lower	Upper
63	100	280937		
98	6.5	3.5	10.6	
100	4.4	2.3	6.8	

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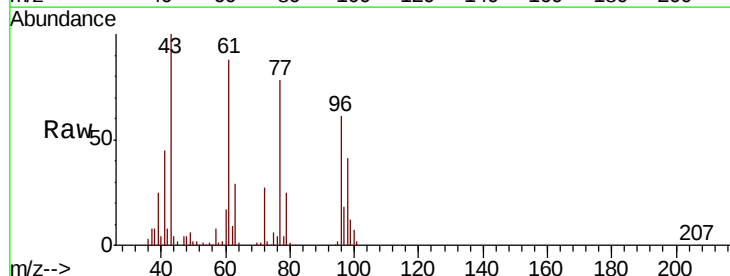


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

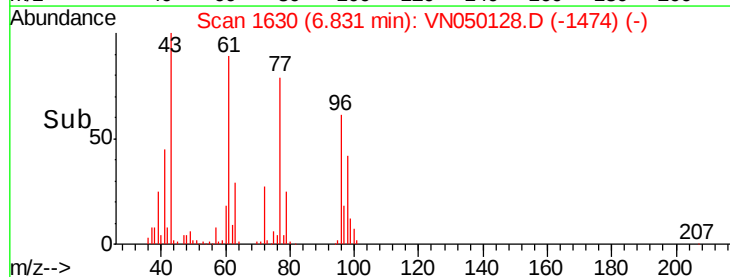
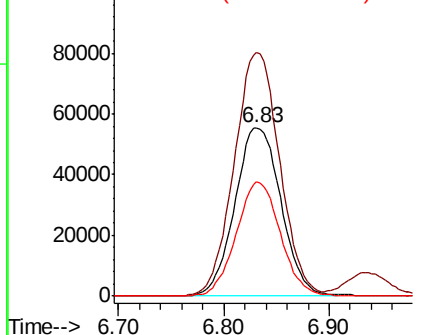


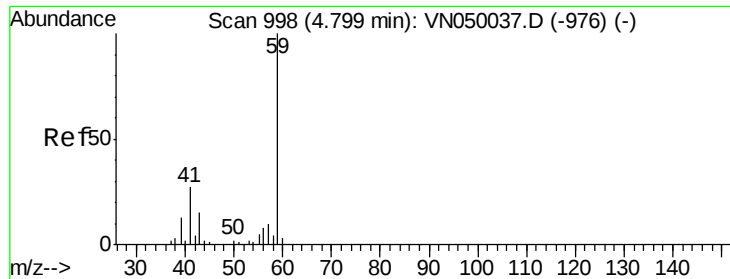
#22
 cis-1,2-Dichloroethene
 Concen: 18.903 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	168616		
61	142.8	114.2	171.2	
98	64.9	51.7	77.5	



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





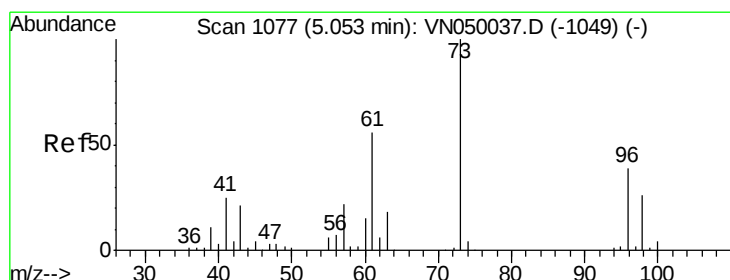
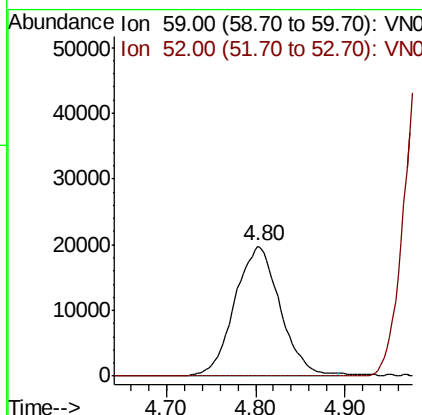
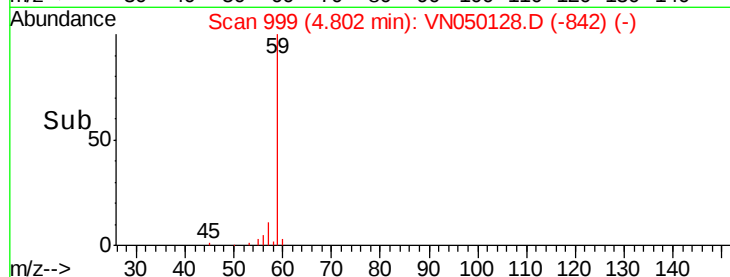
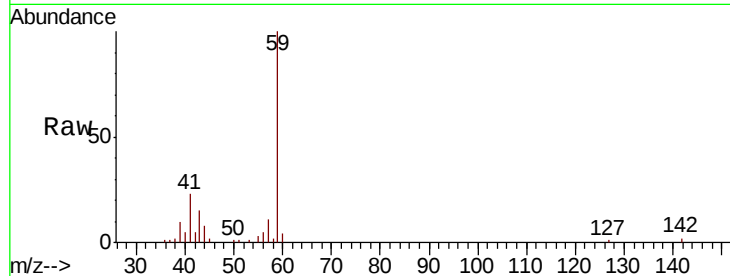
#23
tert-Butyl Alcohol
Concen: 109.219 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion: 59 Resp: 70084
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

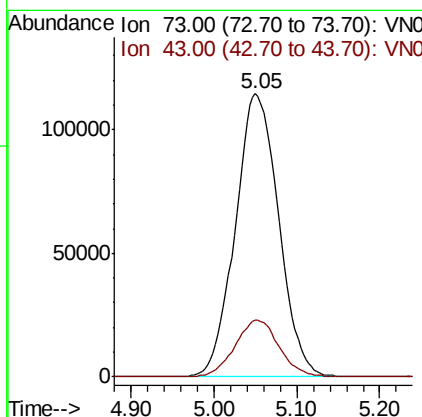
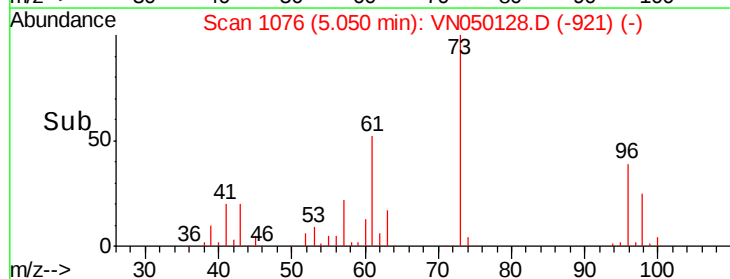
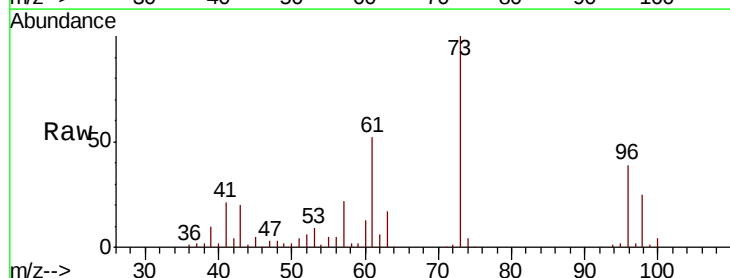
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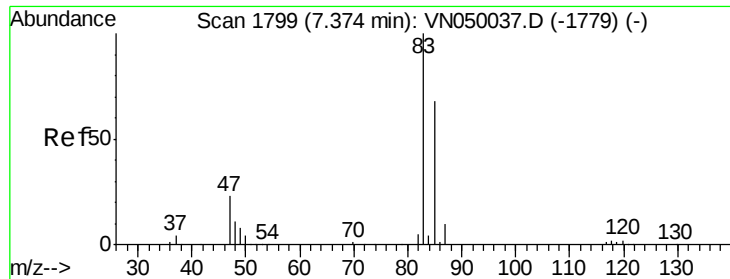
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#24
Methyl tert-Butyl Ether
Concen: 20.304 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Tgt Ion: 73 Resp: 416002
Ion Ratio Lower Upper
73 100
43 20.1 15.5 23.3





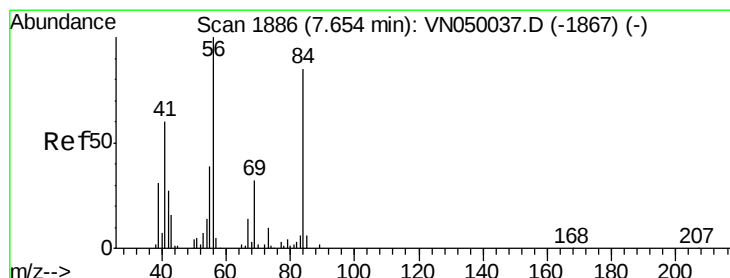
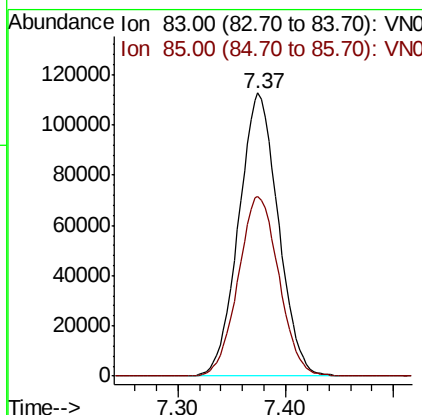
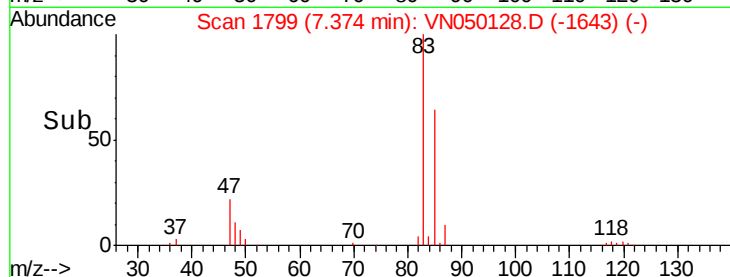
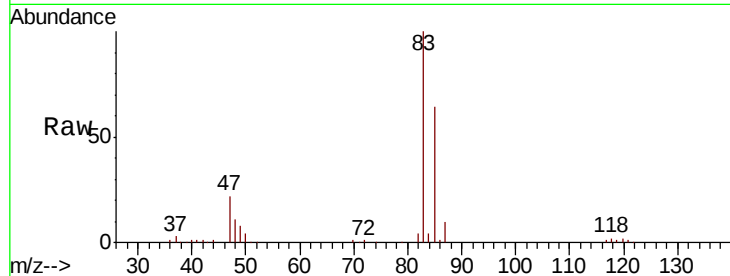
#25
Chloroform
Concen: 18.545 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	83	Resp	287176
Ion Ratio	100	Lower	Upper
85	63.7	52.1	78.1

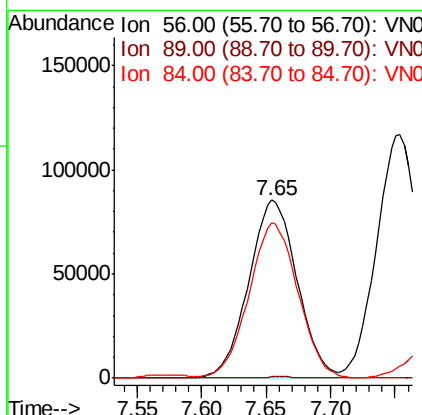
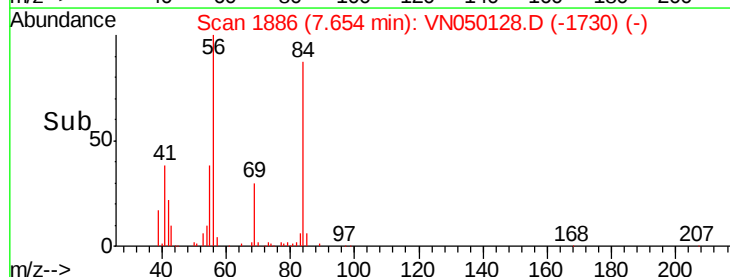
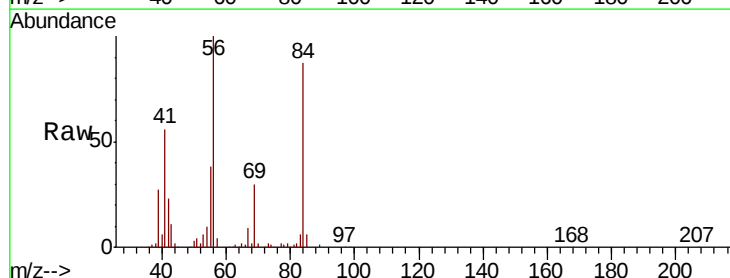
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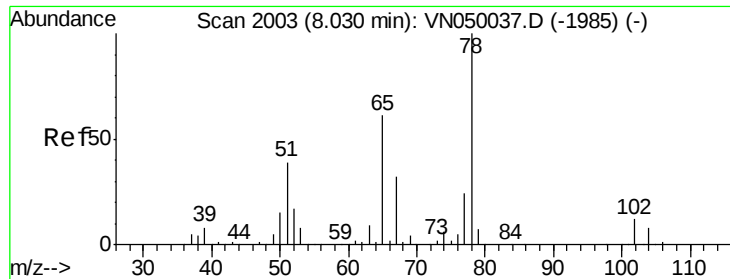
MMDadoda
7/30/2018 1:37:16 PM



#26
Cyclohexane
Concen: 18.358 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Tgt Ion	56	Resp	223163
Ion Ratio	100	Lower	Upper
89	0.6	3.0	4.4#
84	87.2	69.8	104.8





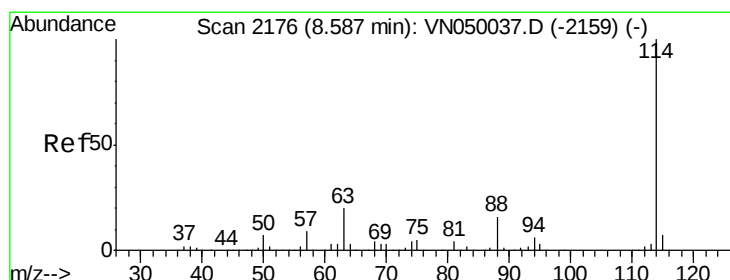
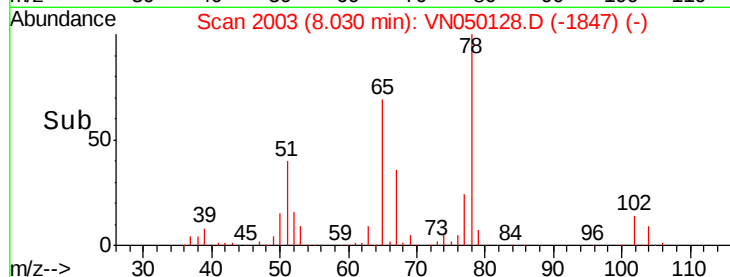
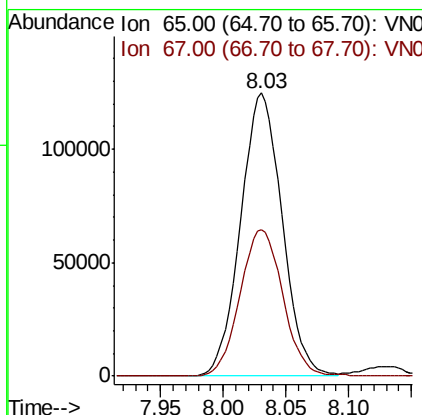
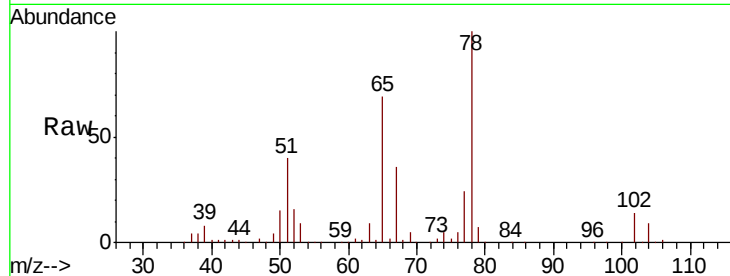
#27
 1,2-Dichloroethane-d4
 Concen: 30.059 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Tot Ion: 65 Resp: 287906
 Ion Ratio Lower Upper
 65 100
 67 53.3 42.7 64.1

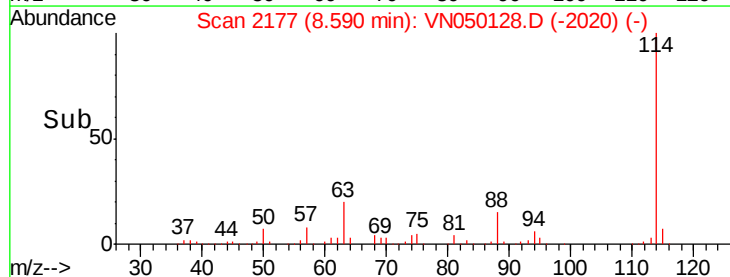
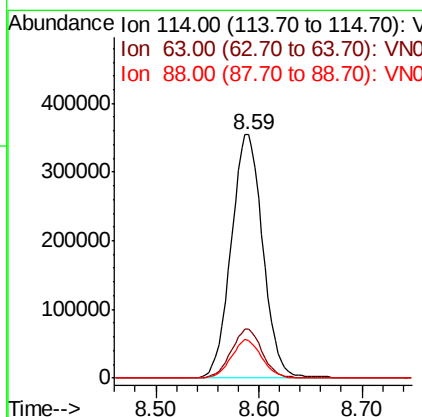
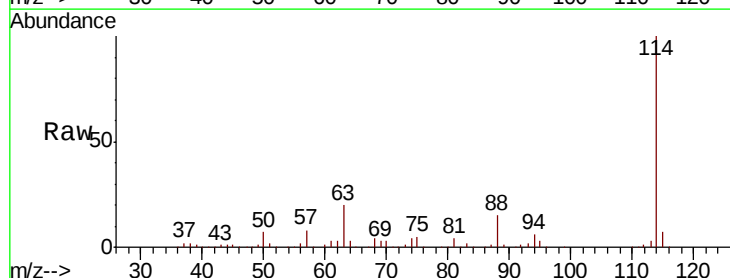
Manual Integrations
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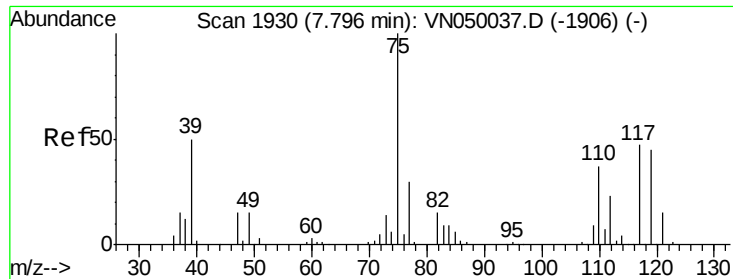
MMDadoda
 7/30/2018 1:37:16 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Tgt Ion: 114 Resp: 757879
 Ion Ratio Lower Upper
 114 100
 63 19.6 16.2 24.2
 88 15.3 12.3 18.5





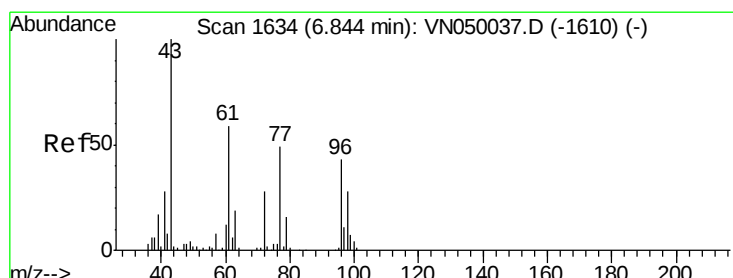
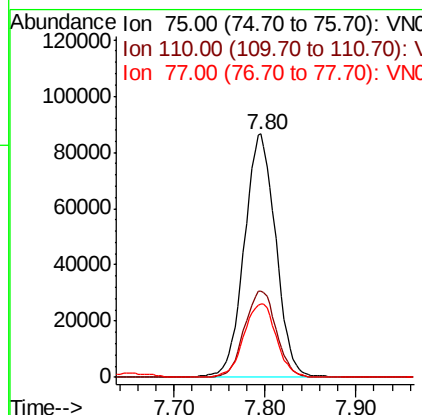
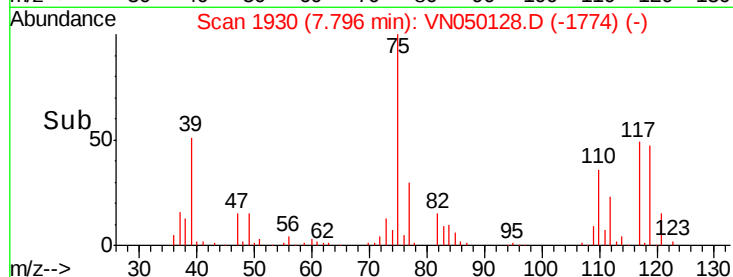
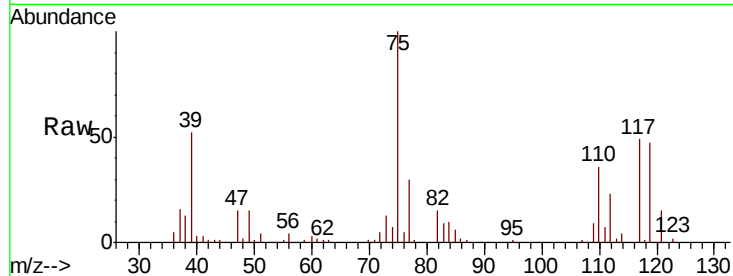
#29
 1,1-Dichloropropene
 Concen: 17.711 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.7	0.0	73.2
77	31.4	0.0	62.0

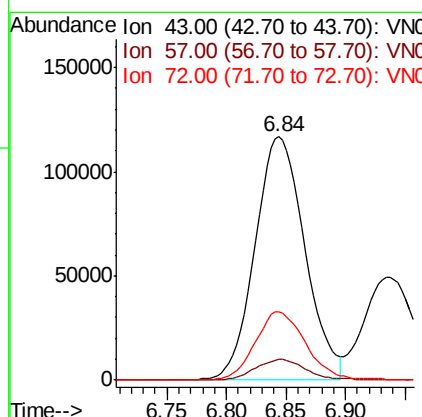
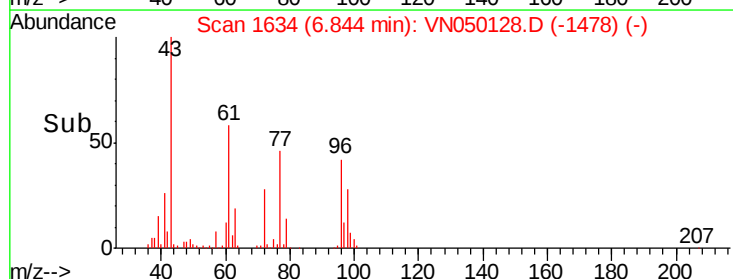
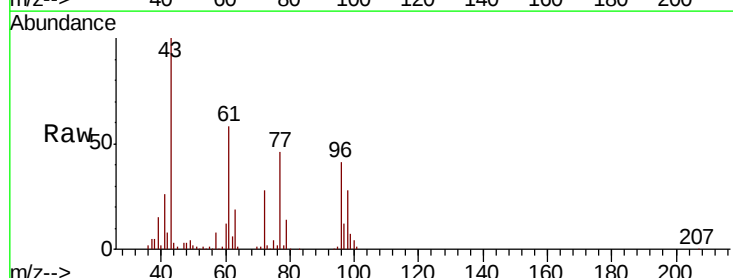
Manual Integrations
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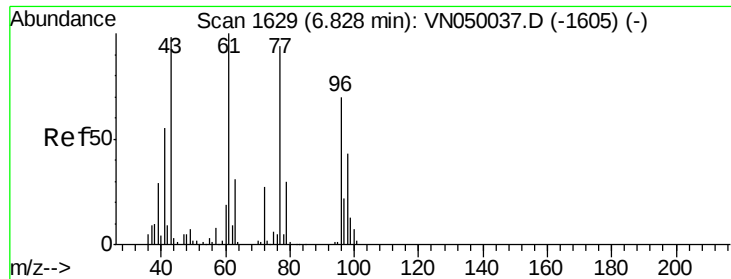
MMDadoda
 7/30/2018 1:37:16 PM



#30
 2-Butanone
 Concen: 91.413 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.6	6.8	10.2
72	28.5	21.4	32.0





#31

2,2-Dichloropropane

Concen: 17.798 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion: 77 Resp: 231397

Ion Ratio Lower Upper

77 100

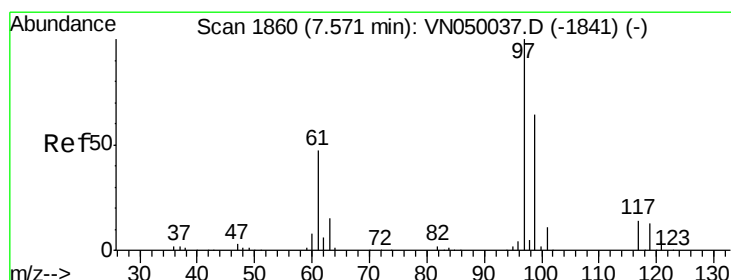
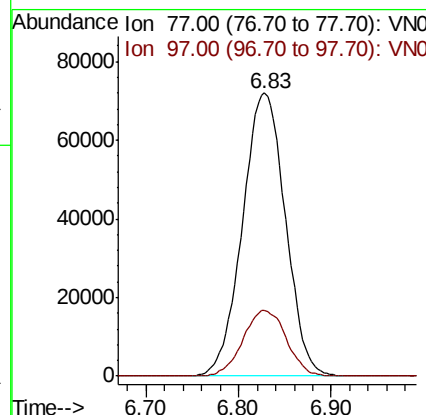
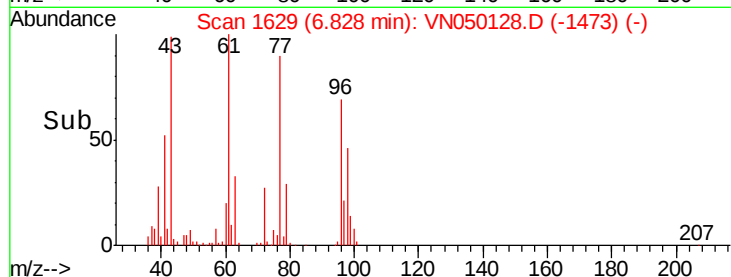
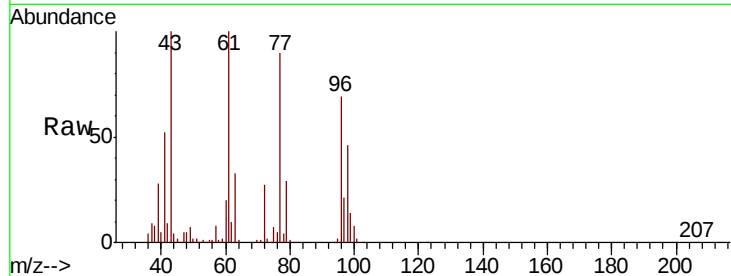
97 23.5 18.9 28.3

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 17.884 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

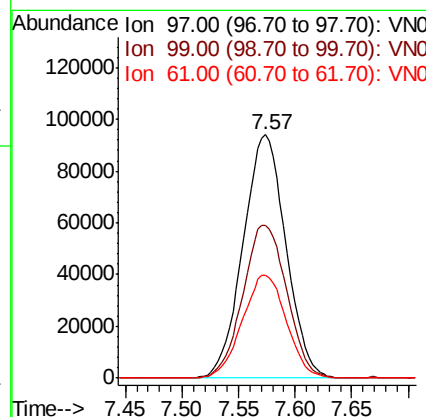
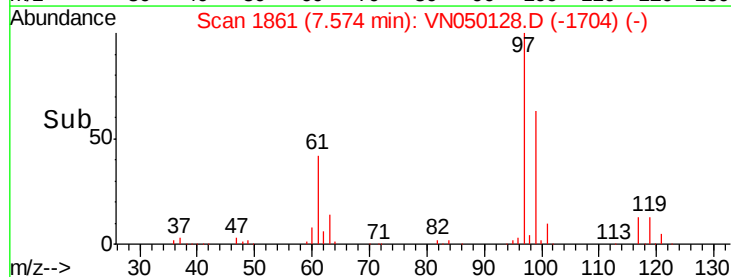
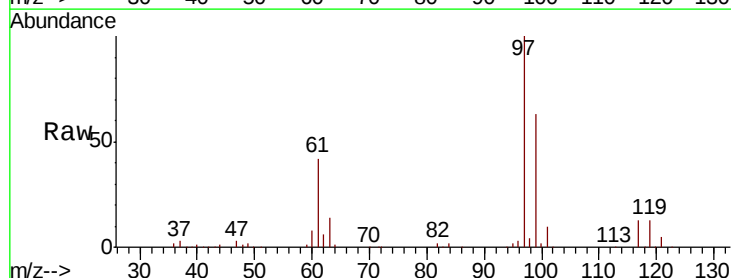
Tgt Ion: 97 Resp: 247592

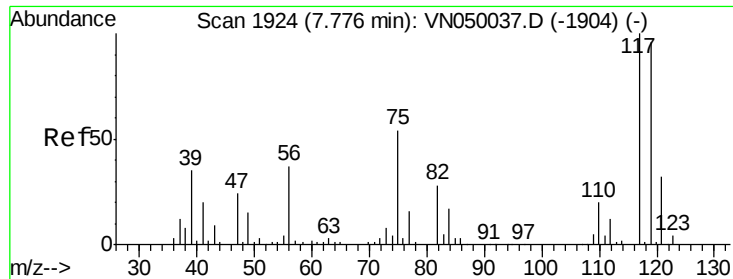
Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

61 43.5 35.3 52.9





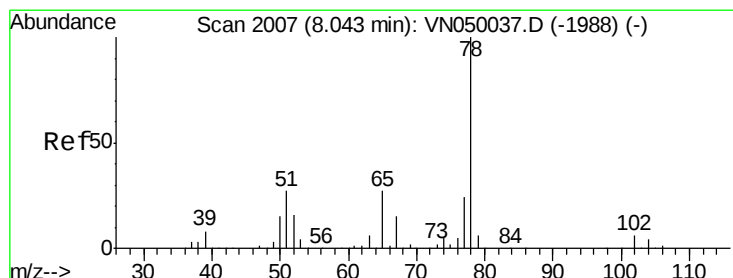
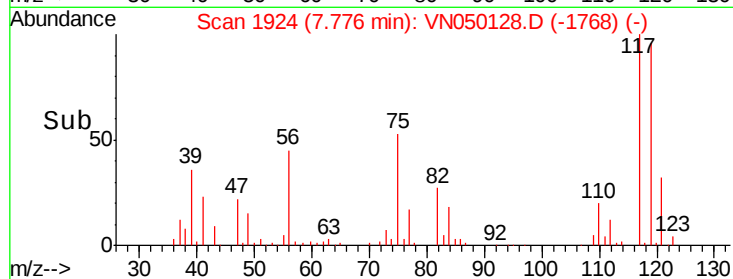
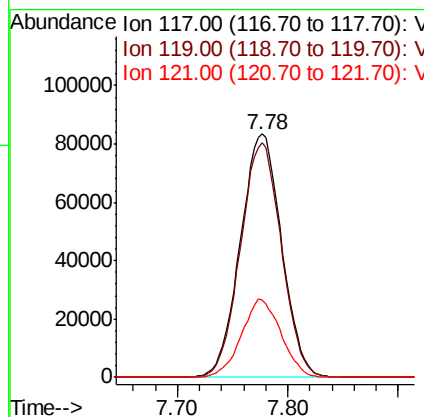
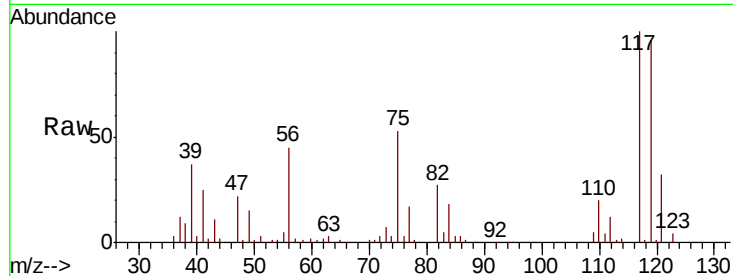
#33
Carbon Tetrachloride
Concen: 17.521 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	216225		
119	96.2	76.9	115.3	
121	31.9	24.4	36.6	

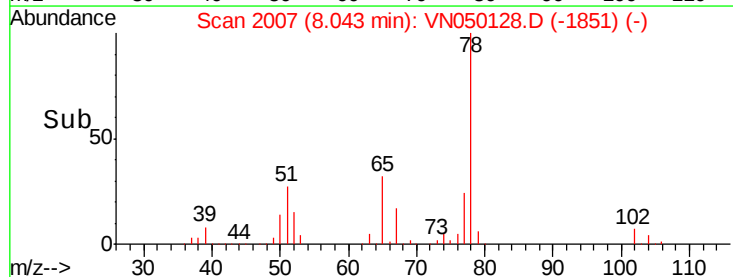
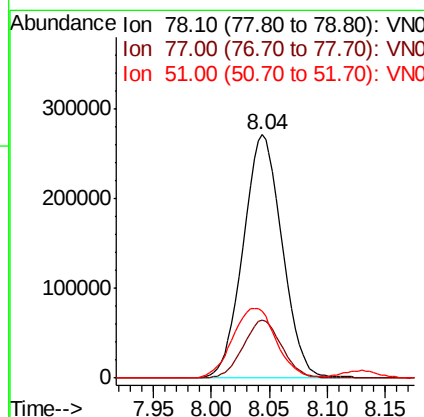
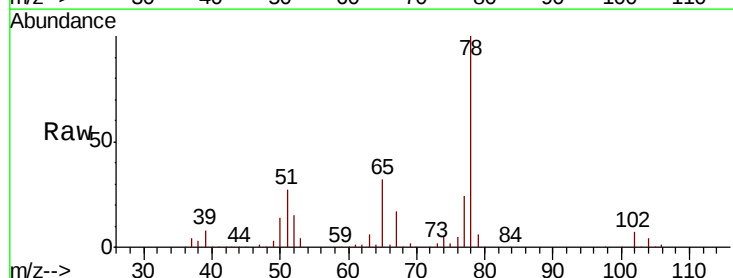
Manual Integrations
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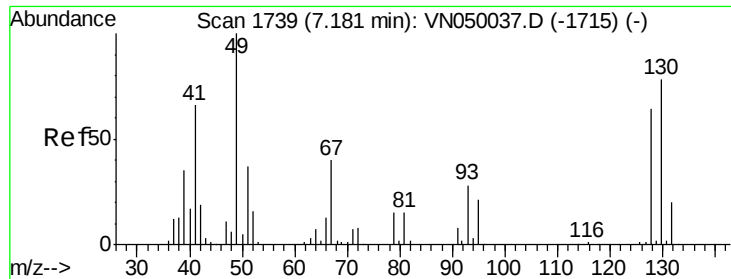
MMDadoda
7/30/2018 1:37:16 PM



#34
Benzene
Concen: 17.775 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	634929		
77	23.9	19.1	28.7	
51	27.1	21.0	31.4	





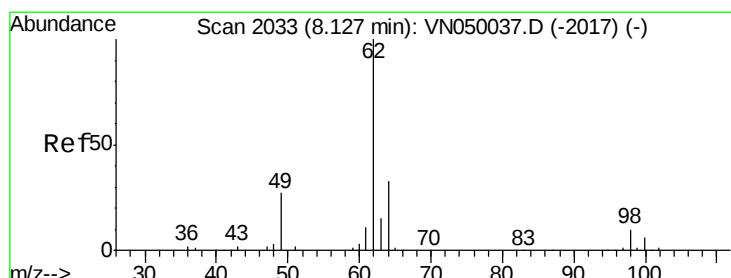
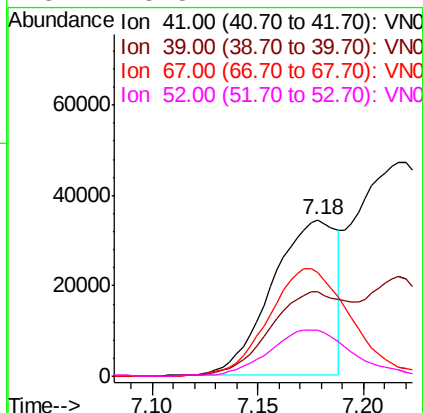
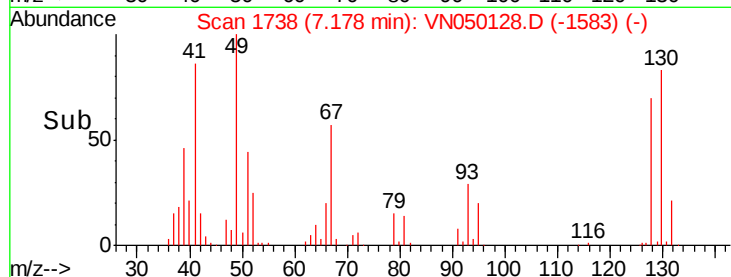
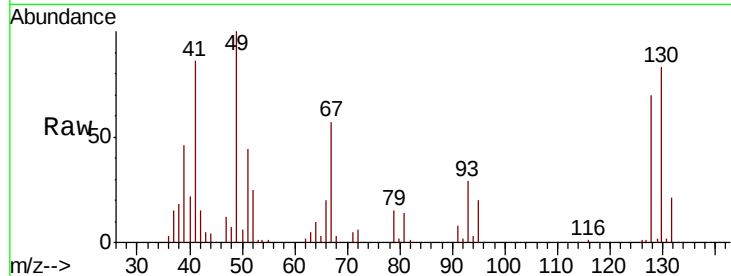
#35
Methacrylonitrile
Concen: 17.404 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	41	Resp	73135
Ion	Ratio	Lower	Upper
41	100		
39	53.7	27.6	82.7
67	66.0	35.1	105.5
52	28.8	14.1	42.4

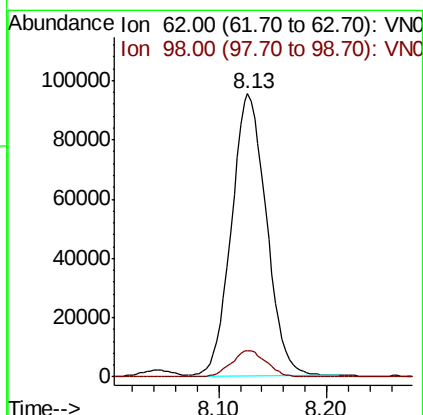
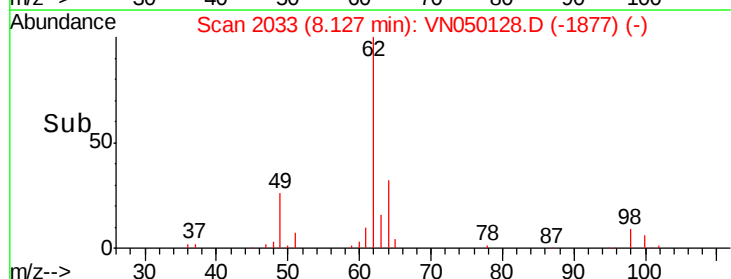
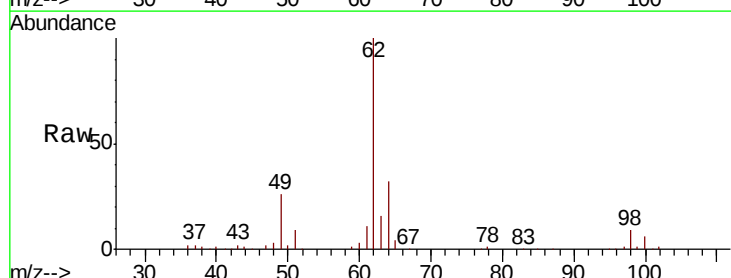
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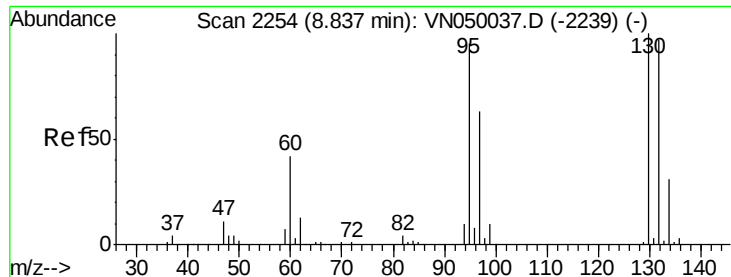
MMDadoda
7/30/2018 1:37:16 PM



#36
1,2-Dichloroethane
Concen: 18.246 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Tgt Ion	62	Resp	213988
Ion	Ratio	Lower	Upper
62	100		
98	9.4	7.8	11.6





#37

Trichloroethene

Concen: 17.936 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion:130 Resp: 168032

Ion Ratio Lower Upper

130 100

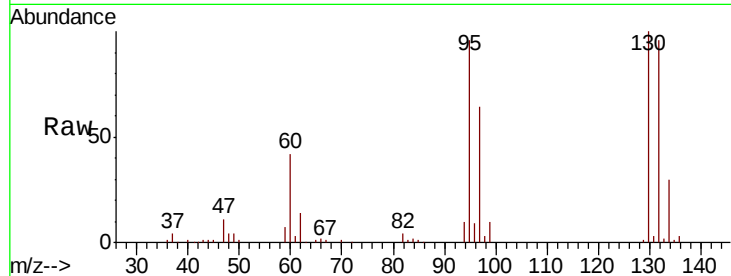
95 96.3 79.7 119.5

Manual Integrations

APPROVED

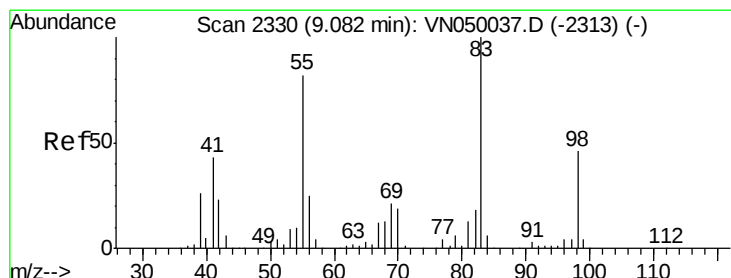
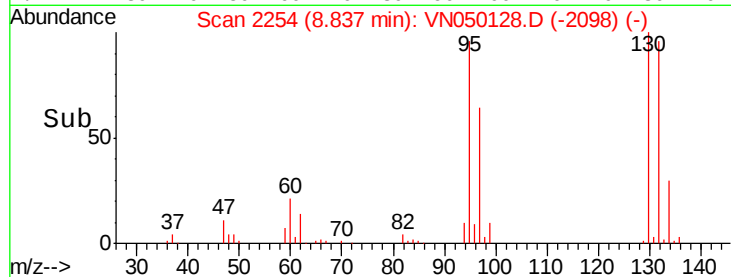
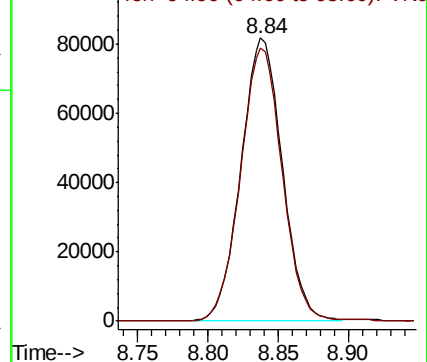
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 17.862 ug/l

RT: 9.09 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

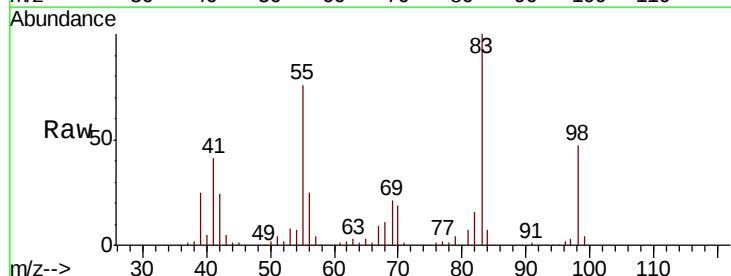
Tgt Ion: 83 Resp: 221478

Ion Ratio Lower Upper

83 100

55 75.6 39.3 117.8

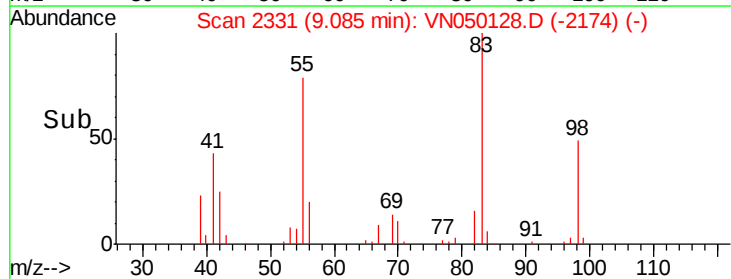
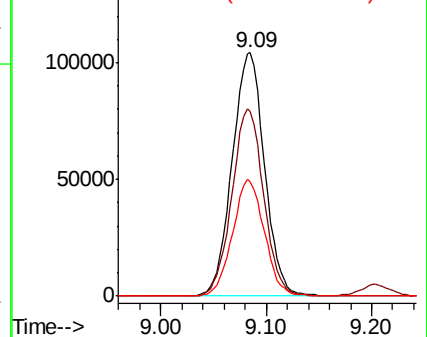
98 47.2 23.0 69.0

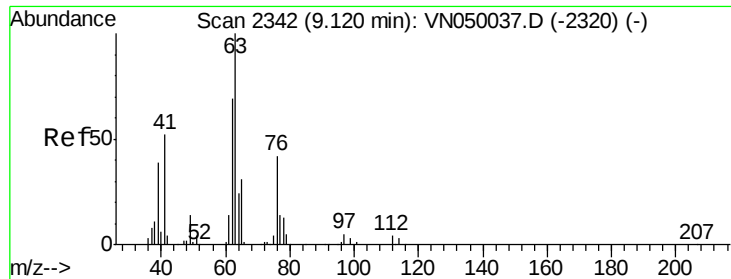


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





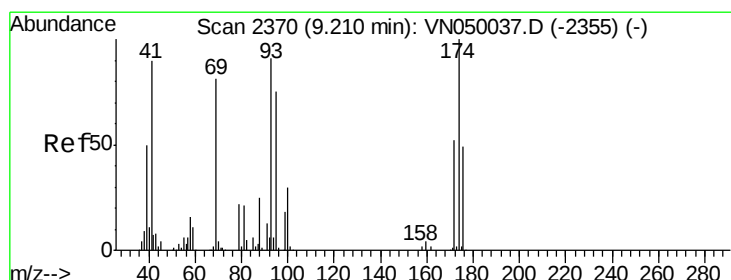
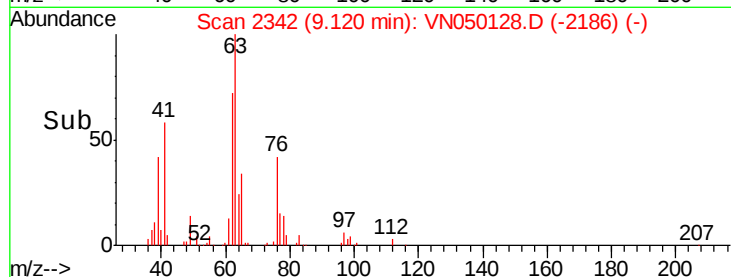
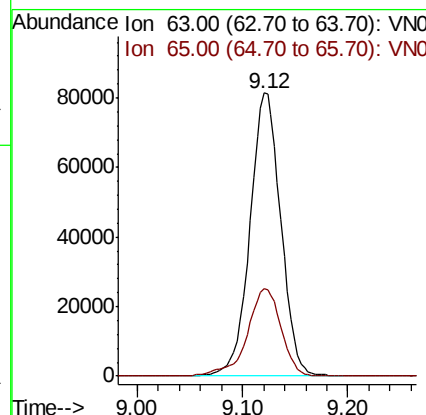
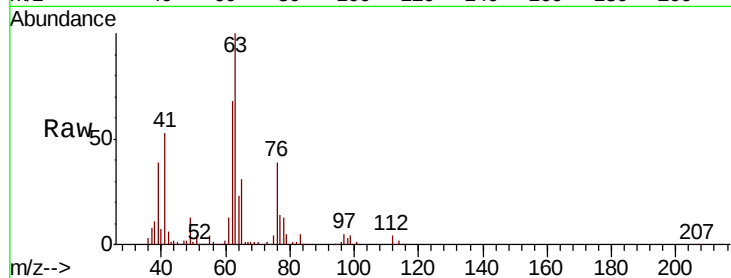
#39
 1,2-Dichloropropane
 Concen: 17.601 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.2	36.2

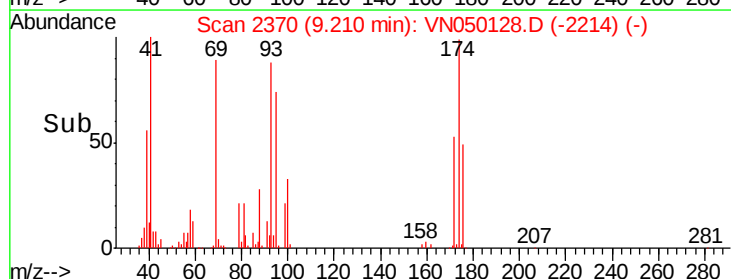
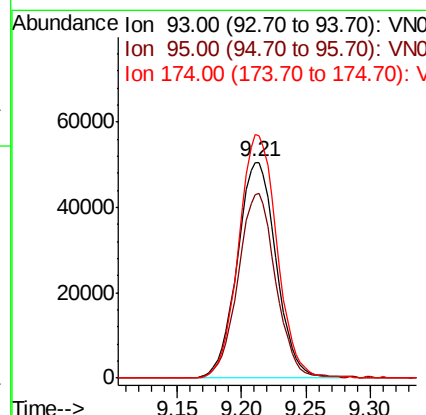
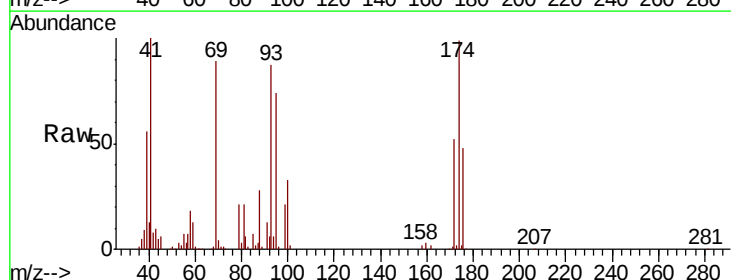
Manual Integrations
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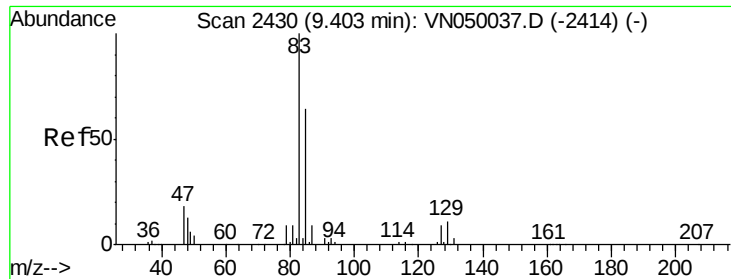
MMDadoda
 7/30/2018 1:37:16 PM



#40
 Dibromomethane
 Concen: 18.211 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	0.0	165.6
174	111.2	0.0	223.2





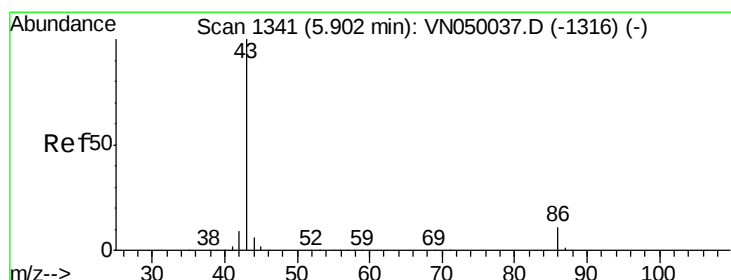
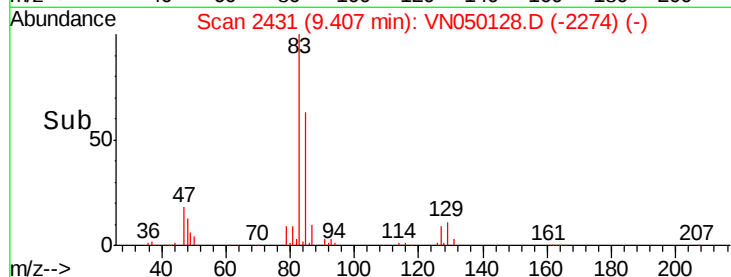
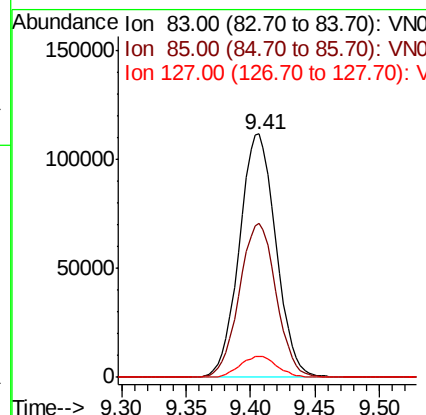
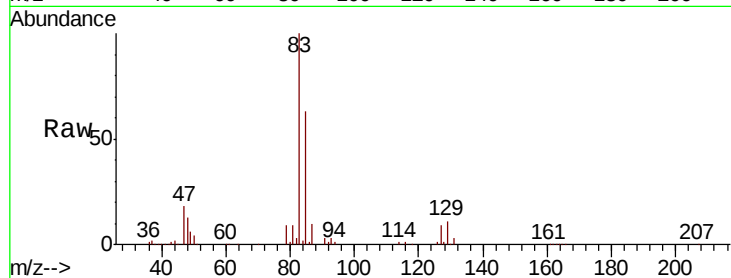
#41
 Bromodichloromethane
 Concen: 17.937 ug/l
 RT: 9.41 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Tot Ion	83	Resp	220040
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	52.6	78.8
127	8.8	7.0	10.4

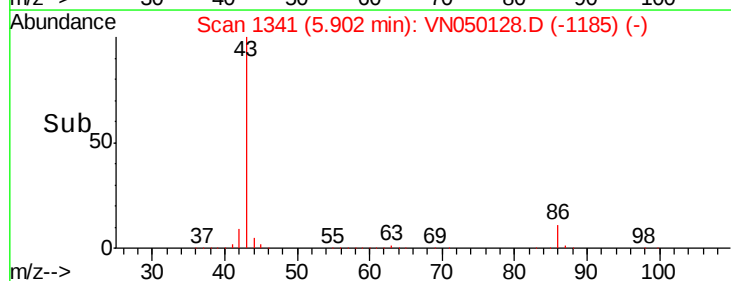
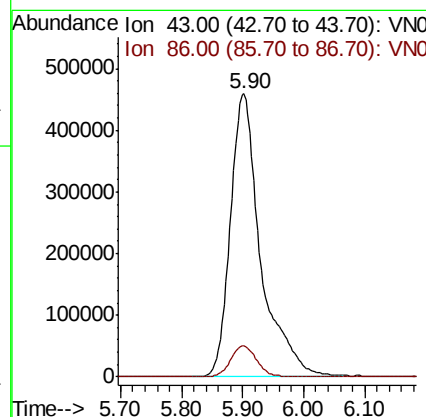
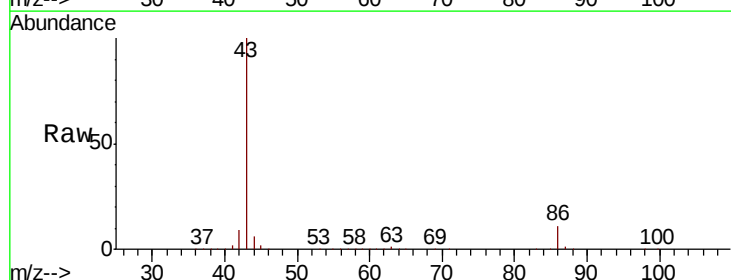
Manual Integrations
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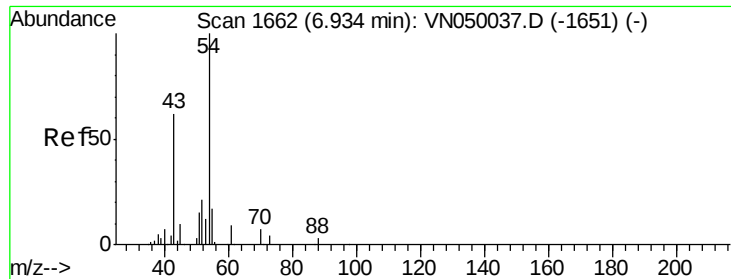
MMDadoda
 7/30/2018 1:37:16 PM



#42
 Vinyl Acetate
 Concen: 91.543 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Tgt Ion	43	Resp	1589913
Ion Ratio	100	Lower	Upper
43	100		
86	9.3	7.3	10.9





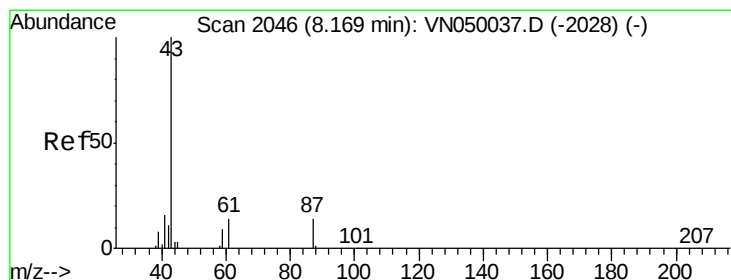
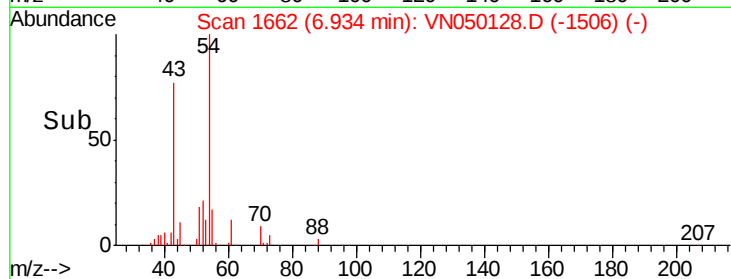
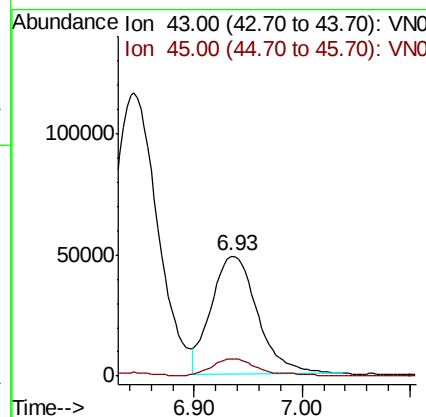
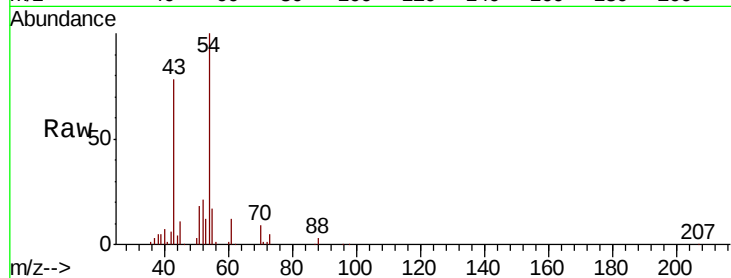
#43
Ethyl Acetate
Concen: 19.027 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion: 43 Resp: 146638
Ion Ratio Lower Upper
43 100
45 12.2 13.0 19.6#

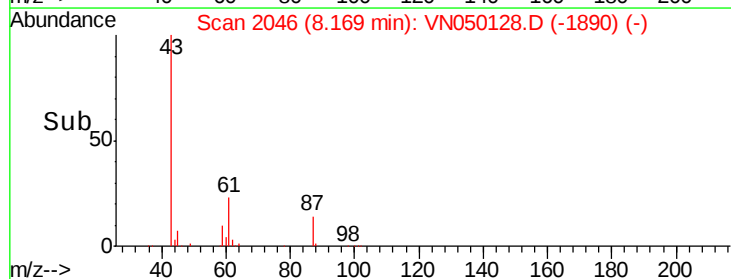
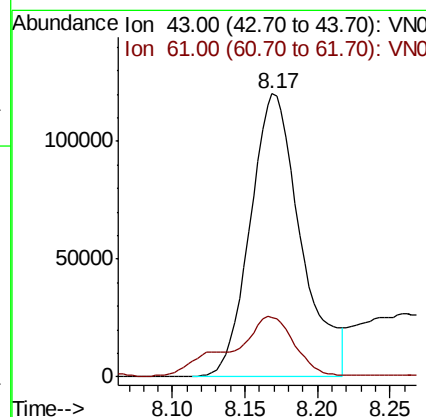
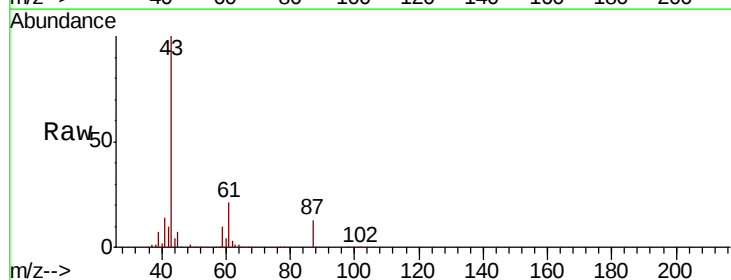
Manual Integrations
APPROVED

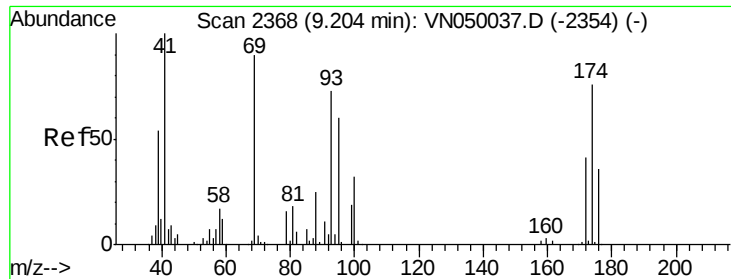
MMDadoda
7/30/2018 1:37:16 PM



#44
Isopropyl Acetate
Concen: 20.390 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Tgt Ion: 43 Resp: 291111
Ion Ratio Lower Upper
43 100
61 18.7 16.4 24.6





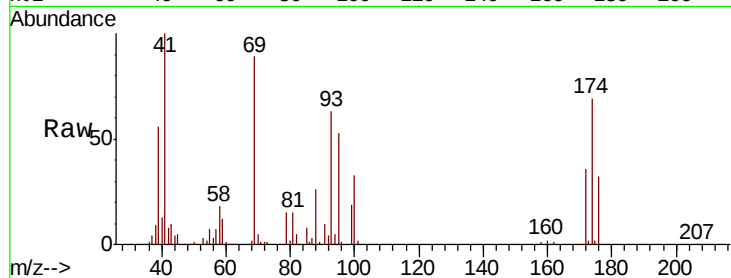
#45
 1,4-Dioxane
 Concen: 402.733 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

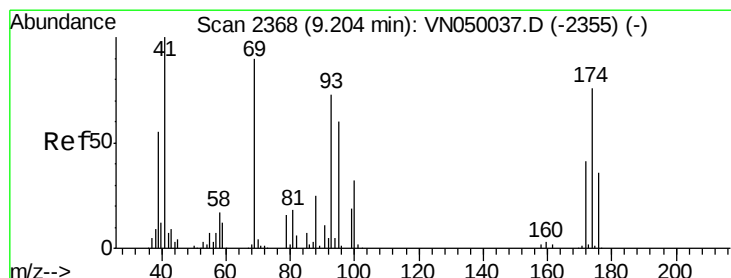
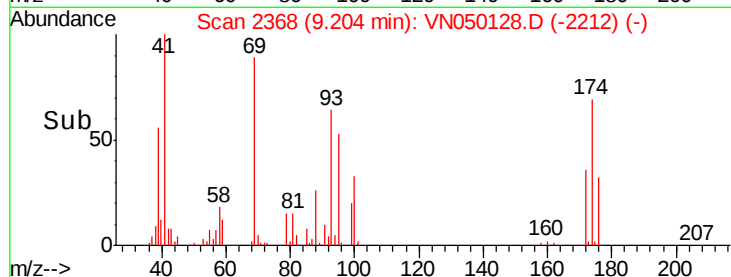
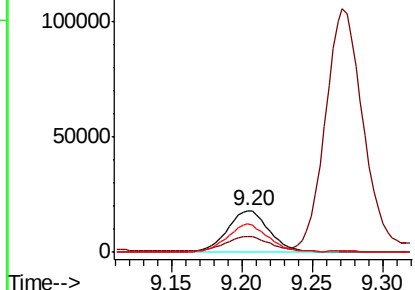
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	26.9	40.3
58	67.0	53.6	80.4

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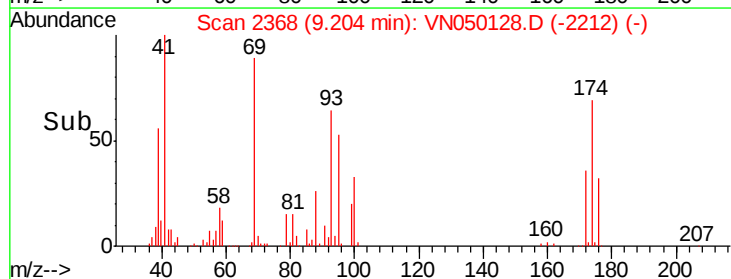
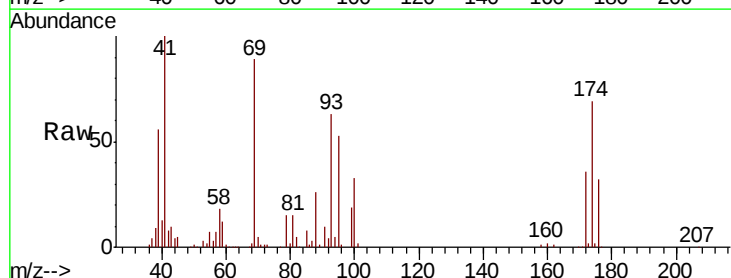
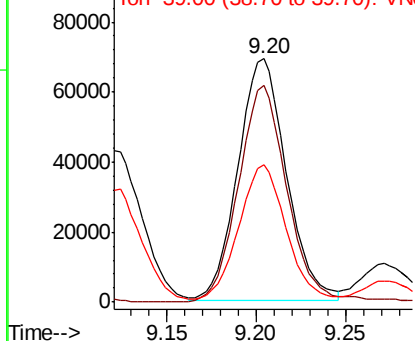
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

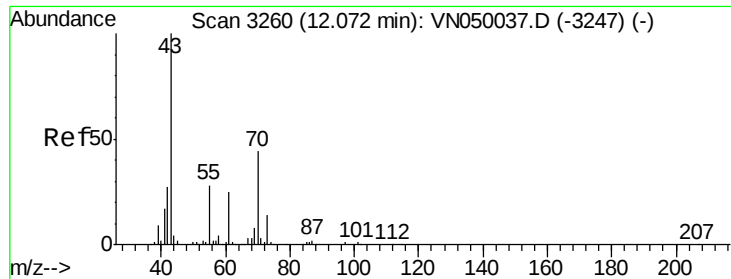


#46
 Methyl methacrylate
 Concen: 19.062 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.3	44.0	132.1
39	55.9	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-amyl Acetate

Concen: 17.939 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion: 43 Resp: 199289

Ion Ratio Lower Upper

43 100

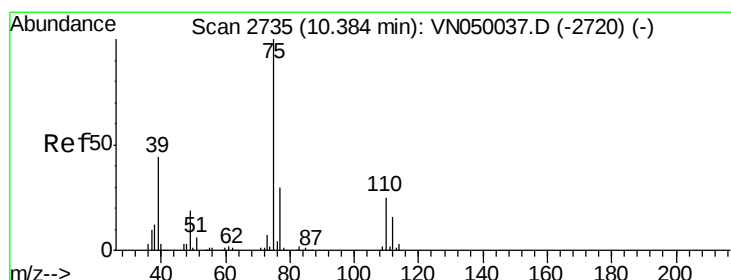
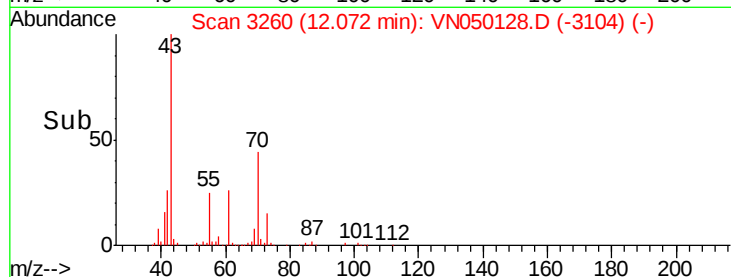
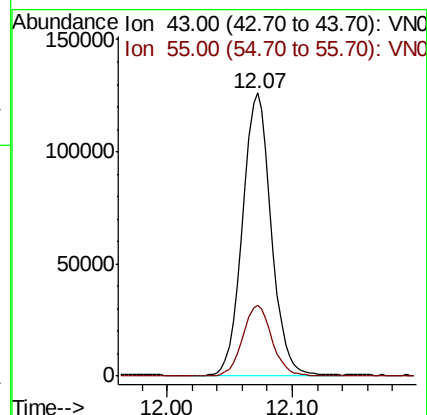
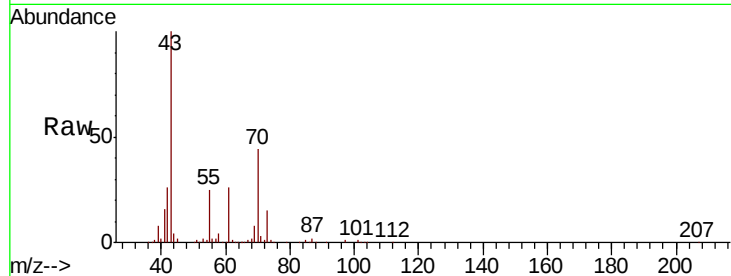
55 25.7 21.0 31.4

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#48

t-1,3-Dichloropropene

Concen: 18.581 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050128.D

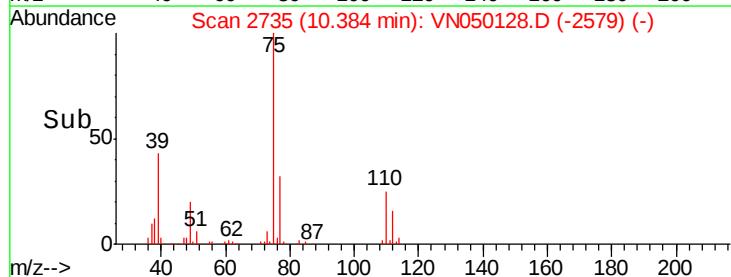
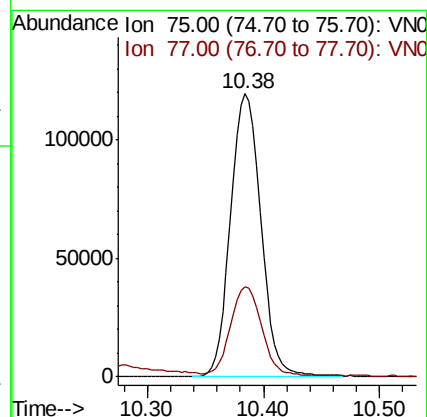
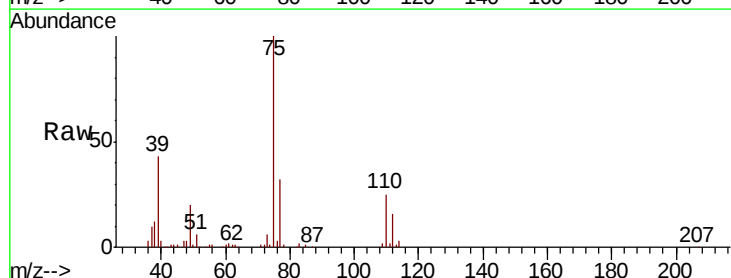
Acq: 27 Jul 2018 13:15

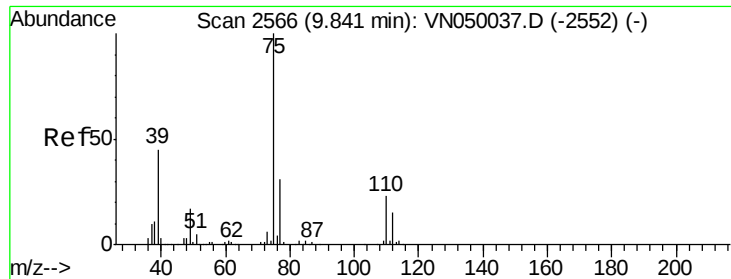
Tgt Ion: 75 Resp: 217273

Ion Ratio Lower Upper

75 100

77 31.2 24.6 37.0





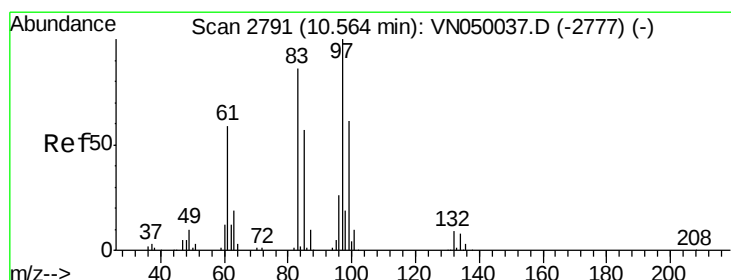
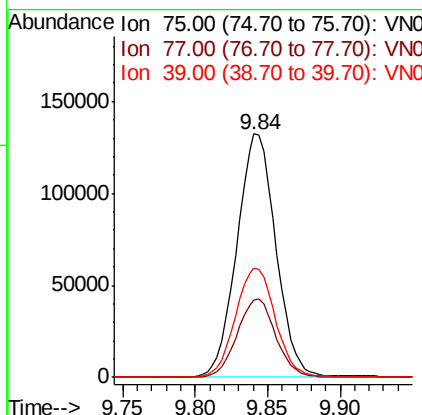
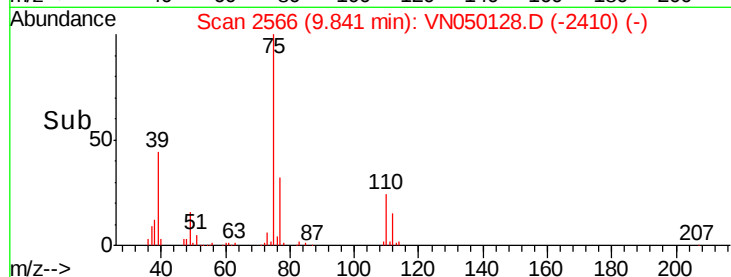
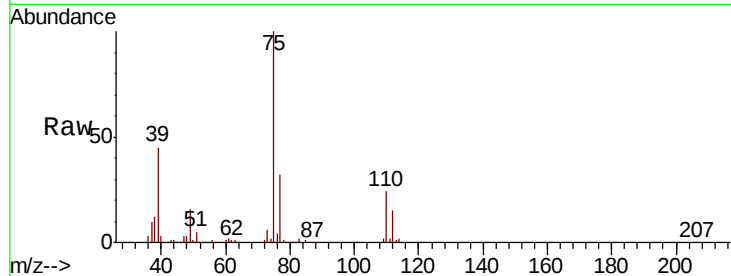
#49
 cis-1,3-Dichloropropene
 Concen: 18.053 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.7	38.5
39	44.5	36.3	54.5

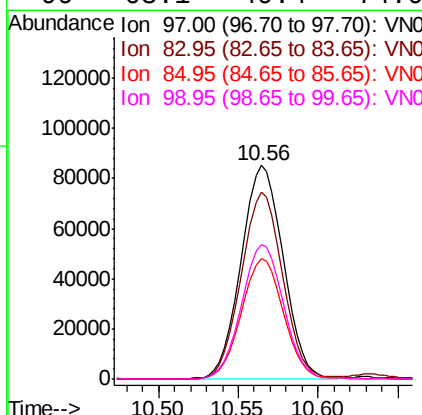
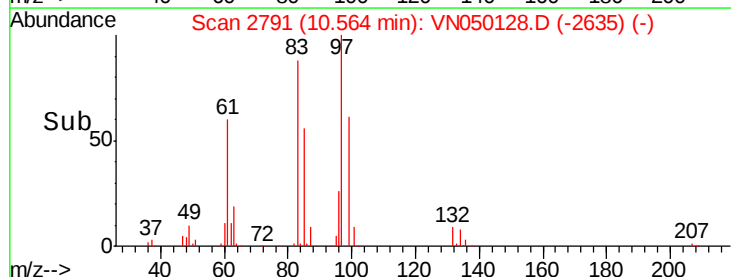
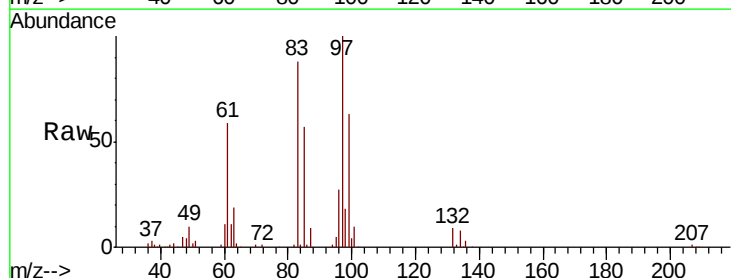
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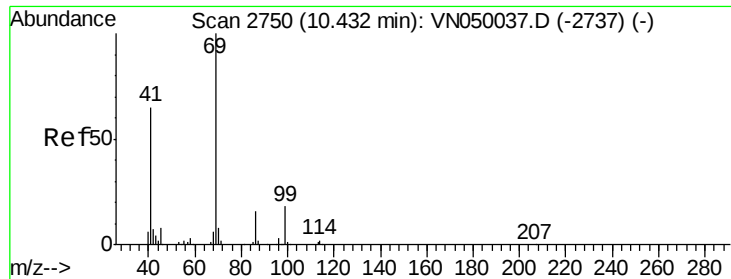
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 18.403 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.6	68.1	102.1
85	56.6	45.4	68.2
99	63.1	49.4	74.0





#51

Ethyl methacrylate

Concen: 18.549 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

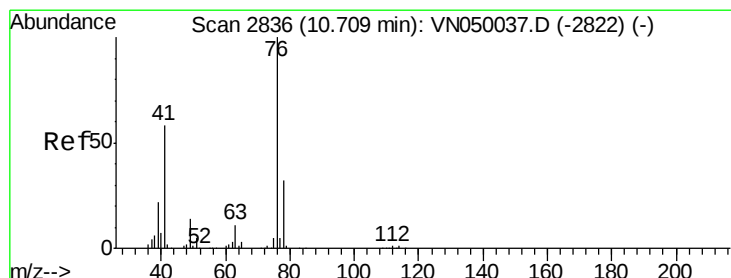
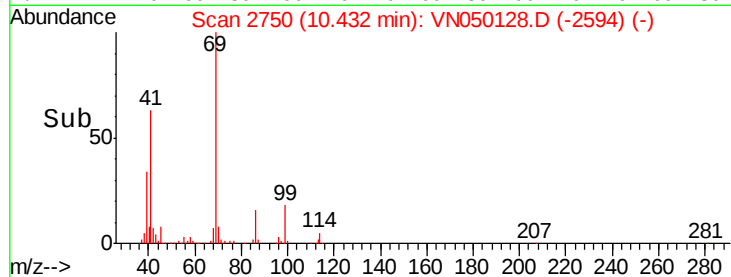
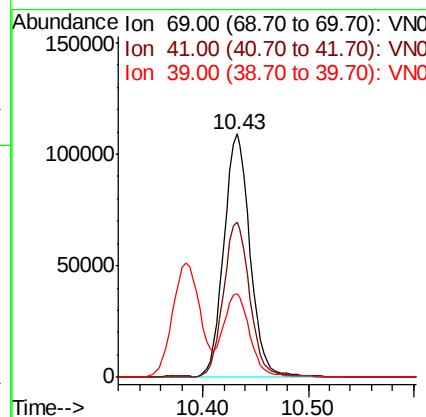
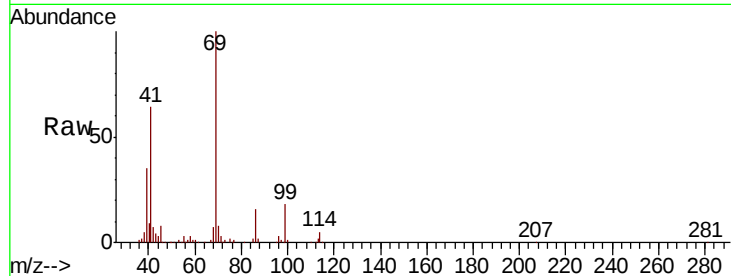
ClientSampled :

VN0727WBSD01

Tot Ion:	69	Resp:	187943
Ion	Ratio	Lower	Upper
69	100		
41	63.2	31.9	95.9
39	34.3	16.7	50.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.393 ug/l

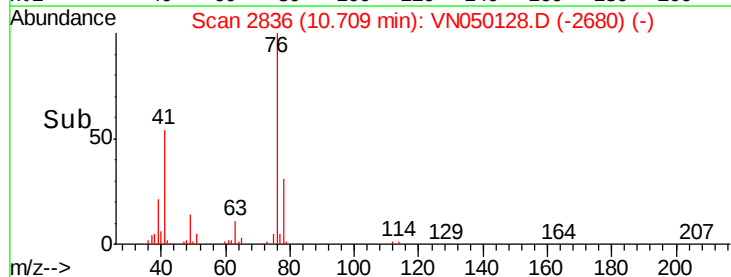
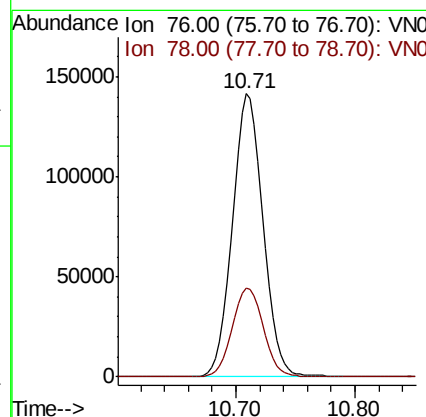
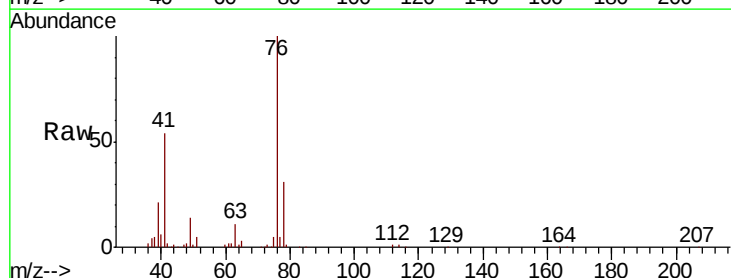
RT: 10.71 min Scan# 2836

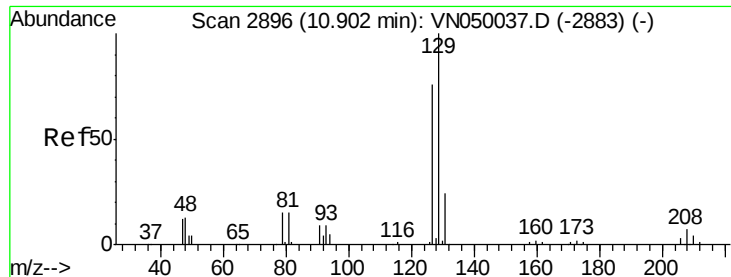
Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Tgt Ion:	76	Resp:	252136
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	65.6





#53

Dibromochloromethane

Concen: 17.665 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion:129 Resp: 167357

Ion Ratio Lower Upper

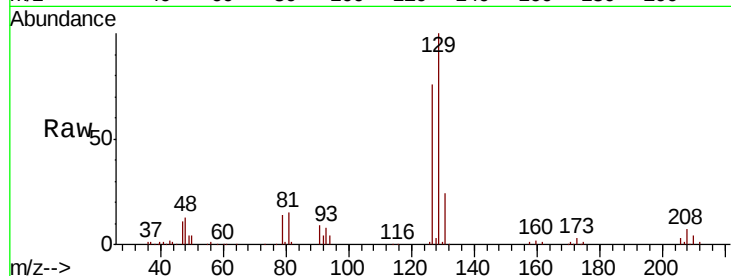
129 100

127 77.1 38.1 114.5

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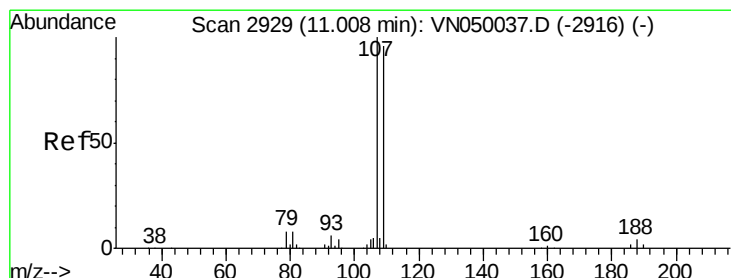
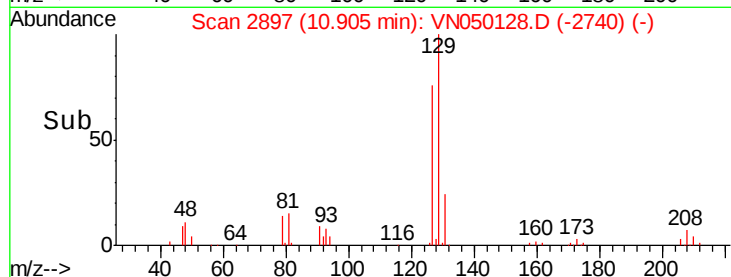
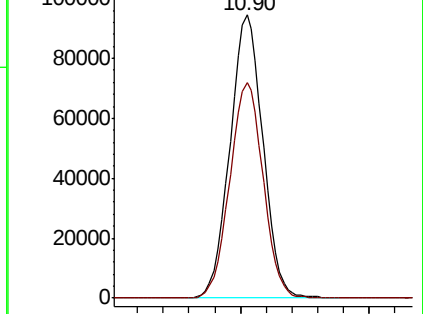
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.390 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN050128.D

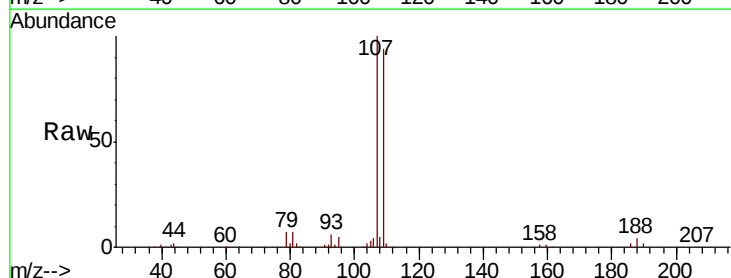
Acq: 27 Jul 2018 13:15

Tgt Ion:107 Resp: 150354

Ion Ratio Lower Upper

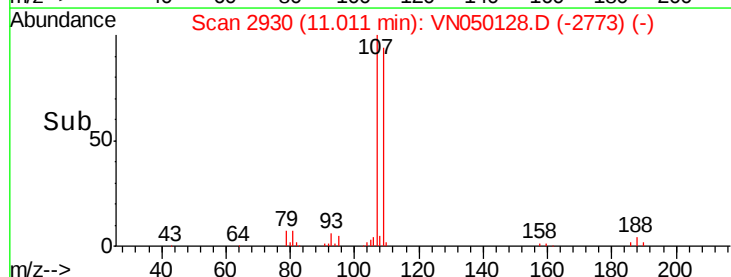
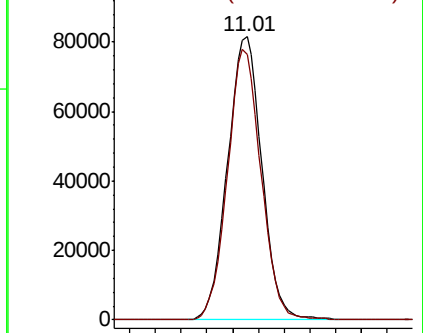
107 100

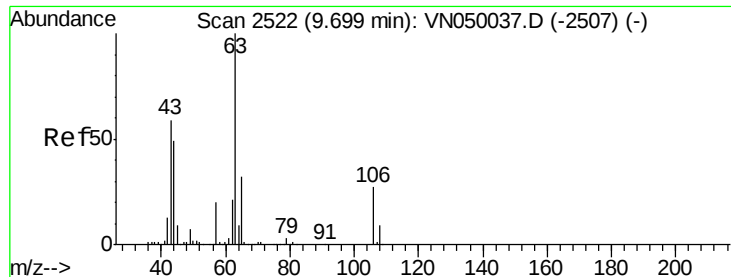
109 93.7 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





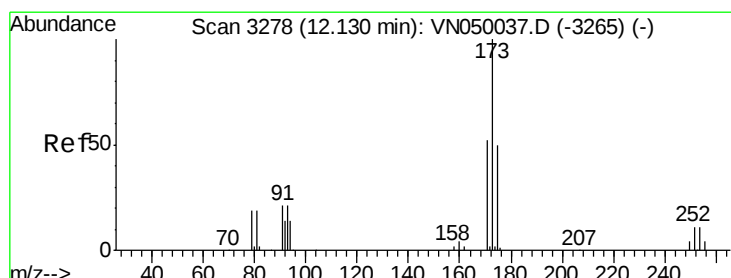
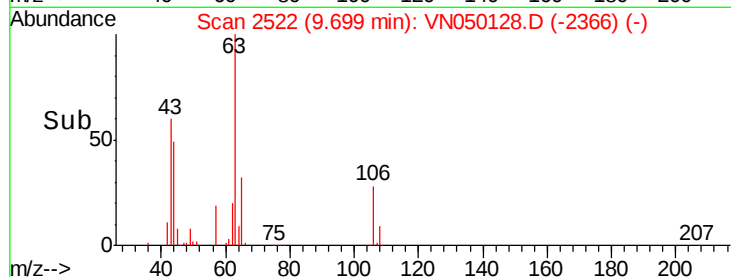
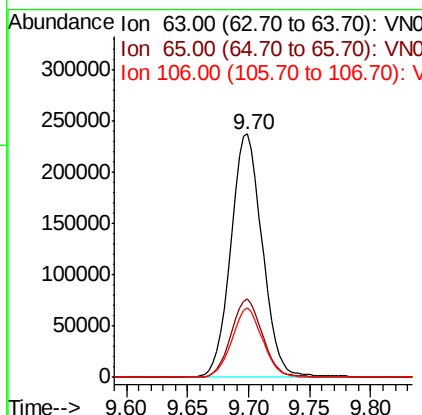
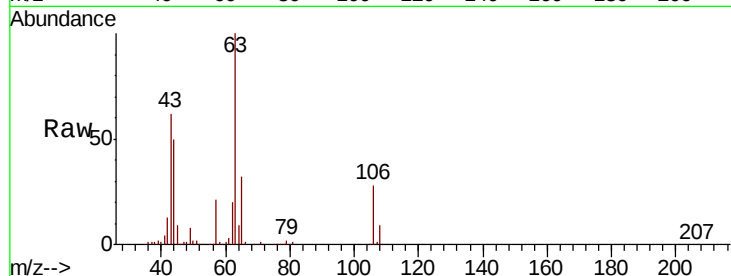
#55
2-Chloroethyl vinyl ether
Concen: 93.482 ug/l
RT: 9.70 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.5	38.3
106	27.9	21.8	32.6

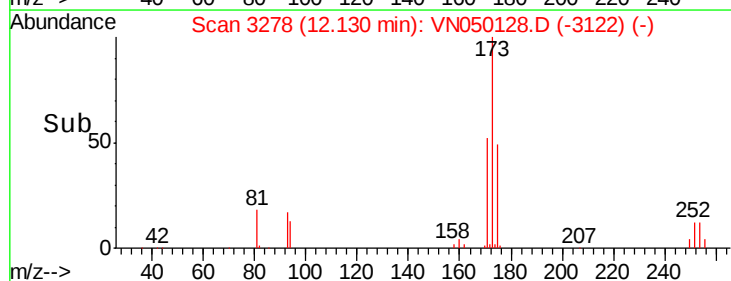
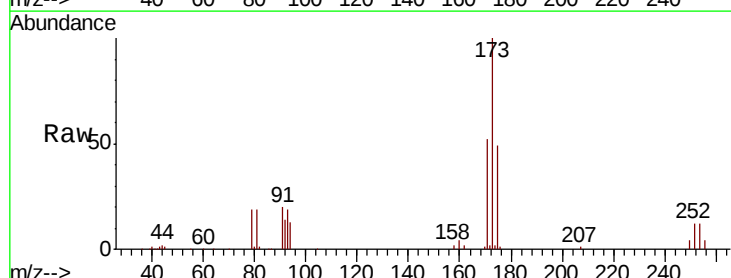
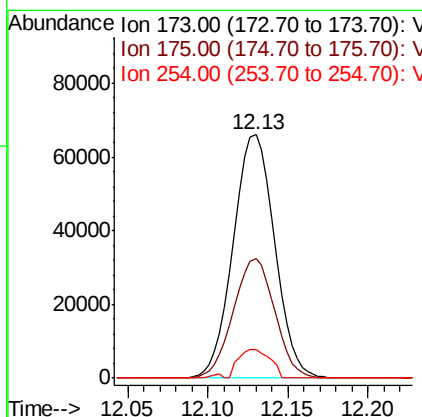
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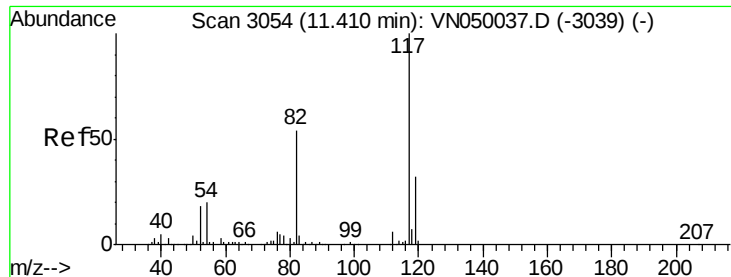
MMDadoda
7/30/2018 1:37:16 PM



#56
Bromoform
Concen: 17.460 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.6	57.8
254	8.9	8.8	13.2





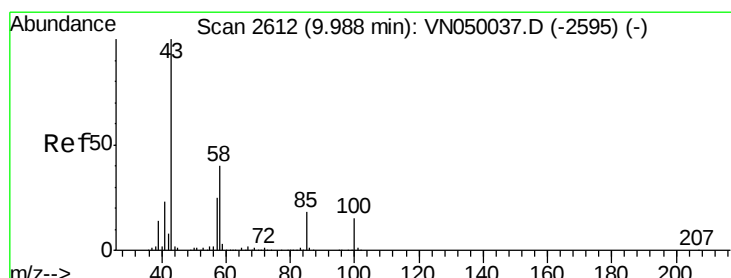
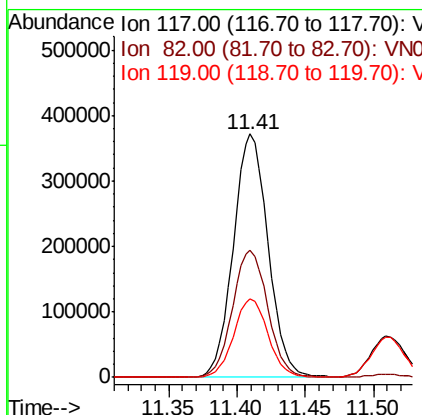
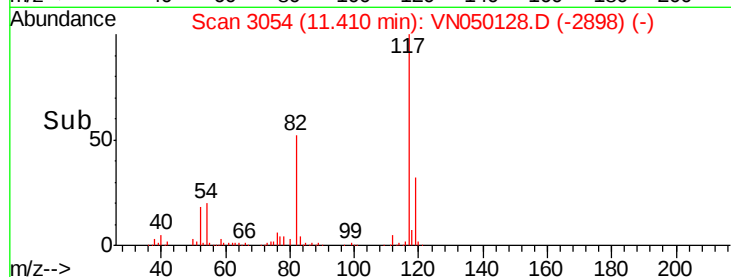
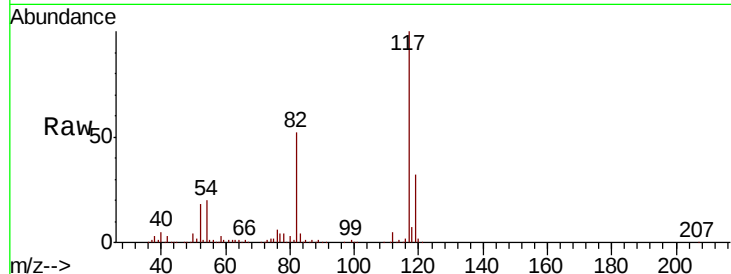
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	658670		
82	52.9		42.4	63.6
119	32.0		25.4	38.0

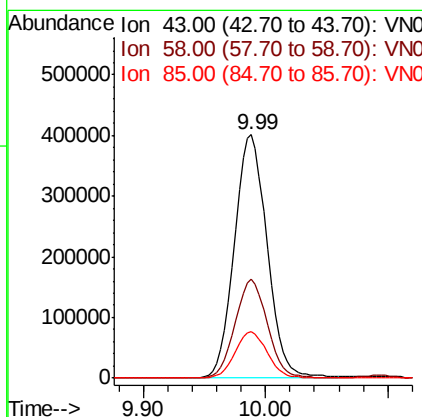
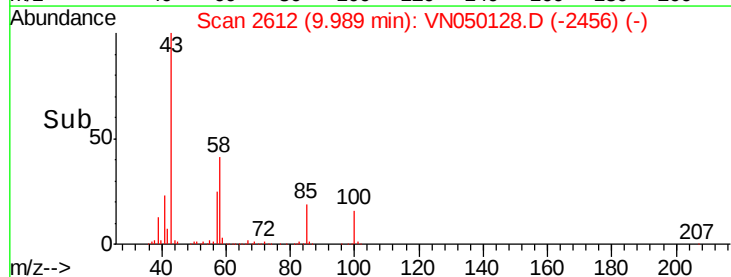
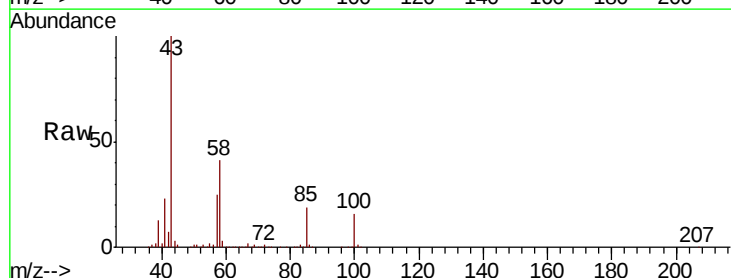
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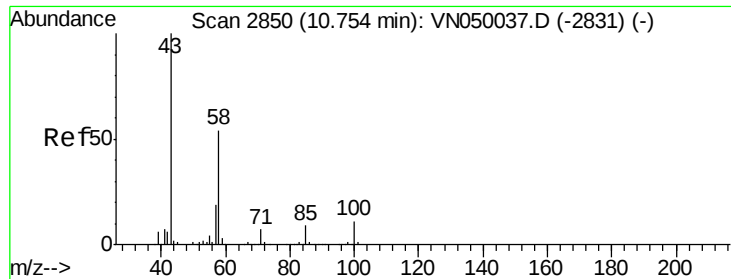
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 97.132 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	744443		
58	40.1		31.2	46.8
85	18.7		14.4	21.6





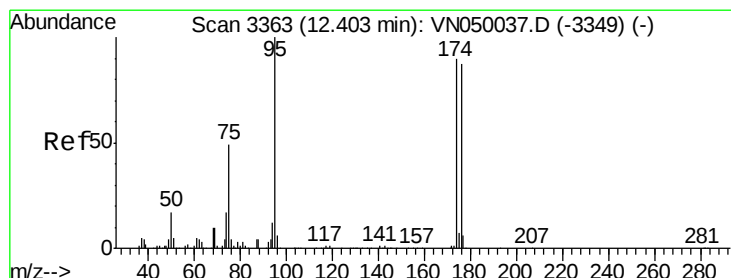
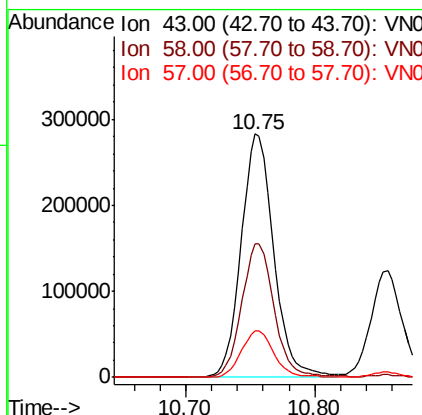
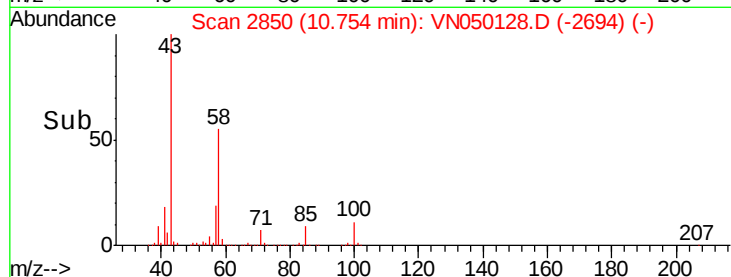
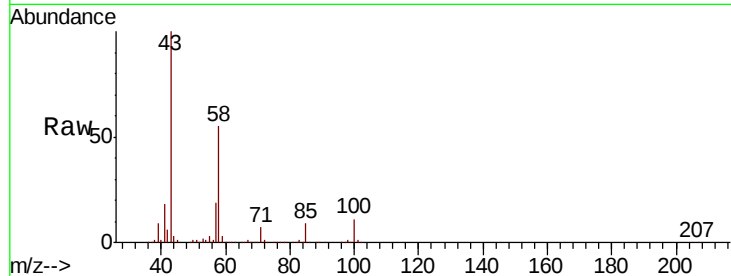
#59
2-Hexanone
Concen: 94.744 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	43.8	65.8
57	19.5	15.1	22.7

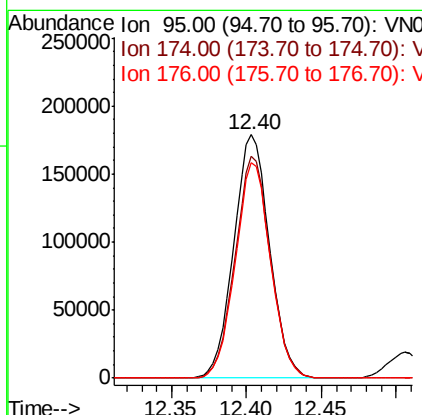
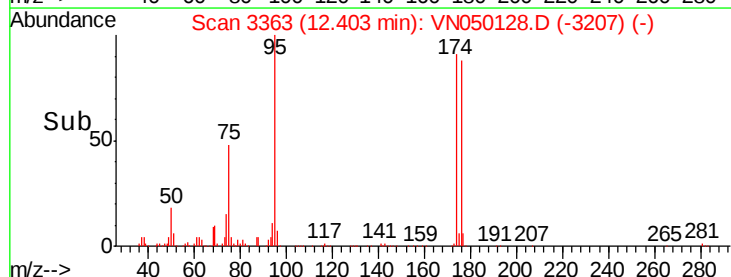
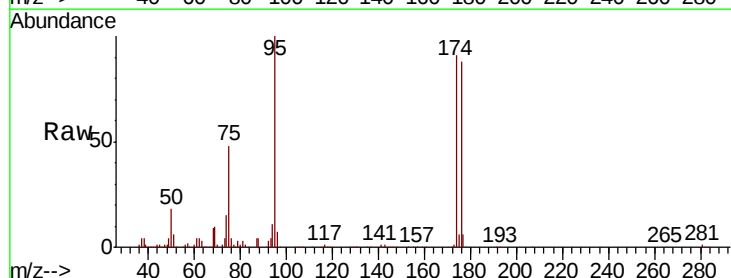
Manual Integrations
APPROVED

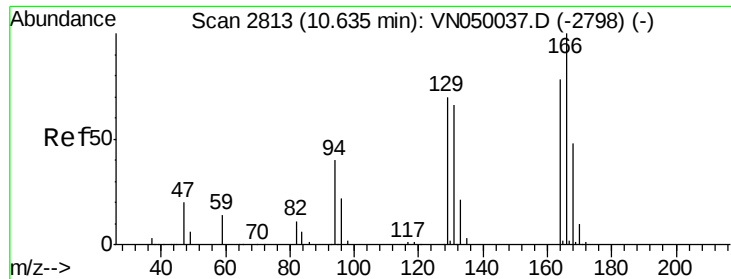
MMDadoda
7/30/2018 1:37:16 PM



#60
4-Bromofluorobenzene
Concen: 29.414 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	72.3	108.5
176	87.4	70.0	105.0





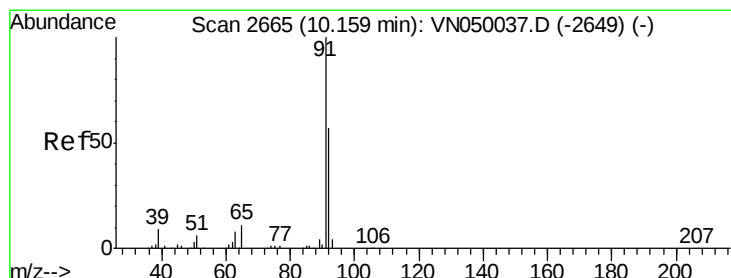
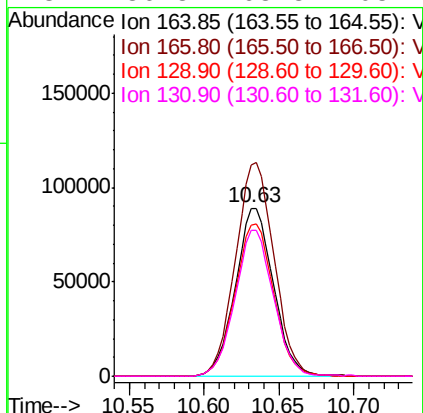
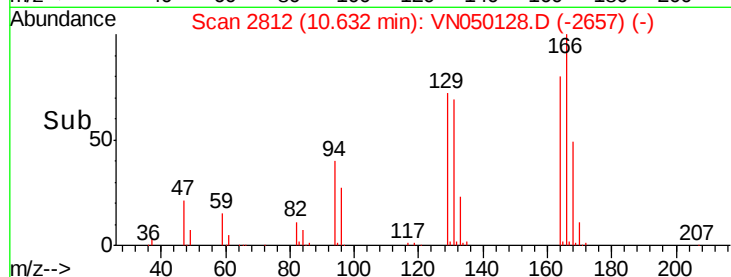
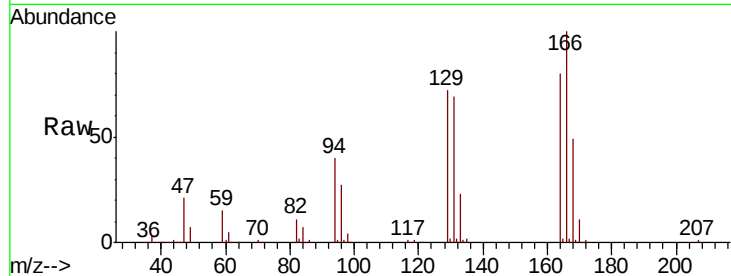
#61
Tetrachloroethene
Concen: 17.659 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Instrument :
MSVOA_N
ClientSampled :
VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.0	150.0
129	90.3	69.3	103.9
131	86.8	68.8	103.2

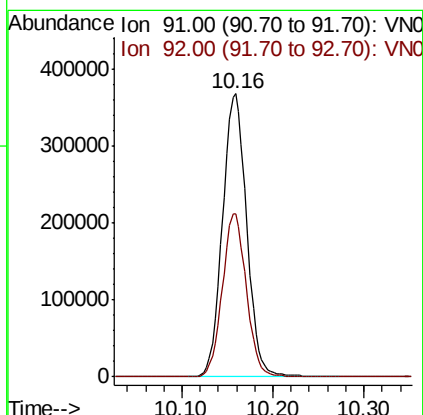
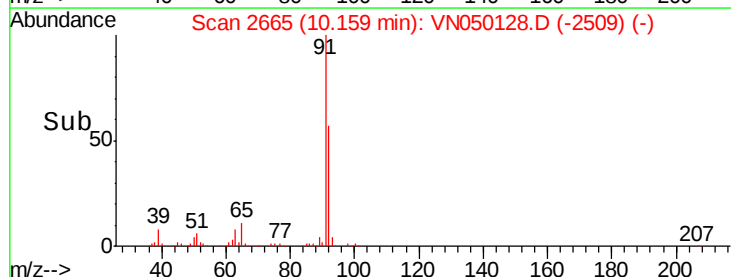
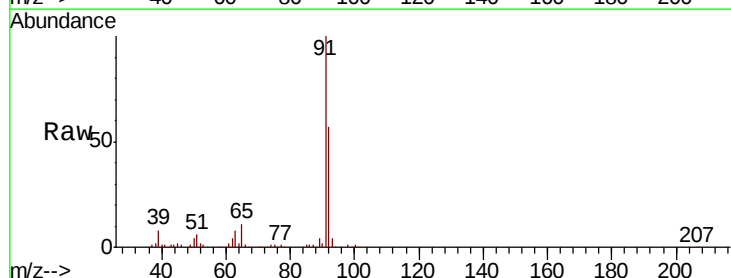
Manual Integrations
APPROVED

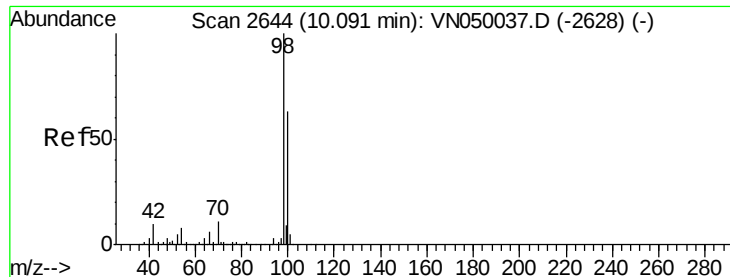
MMDadoda
7/30/2018 1:37:16 PM



#62
Toluene
Concen: 18.104 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.1	45.7	68.5





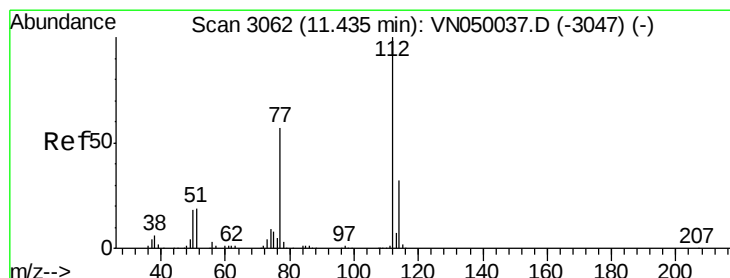
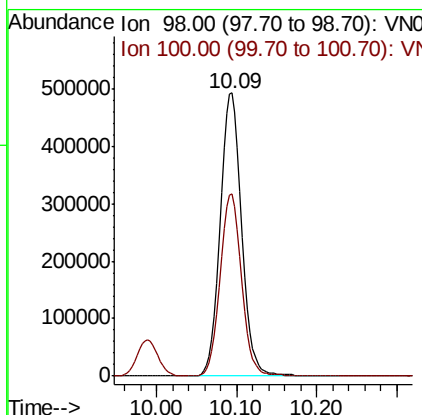
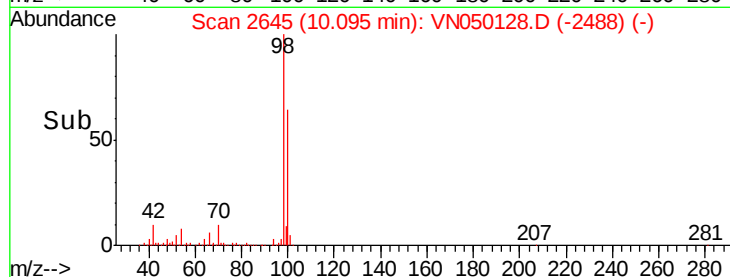
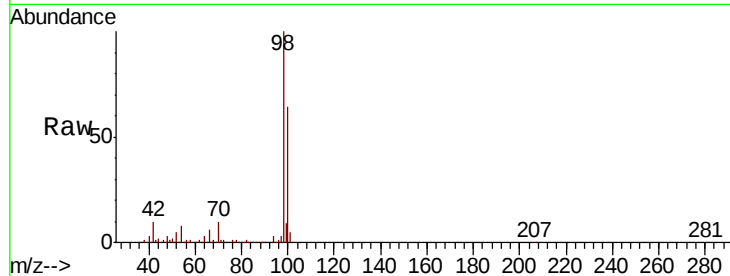
#63
Toluene-d8
Concen: 29.148 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion: 98 Resp: 917057
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8

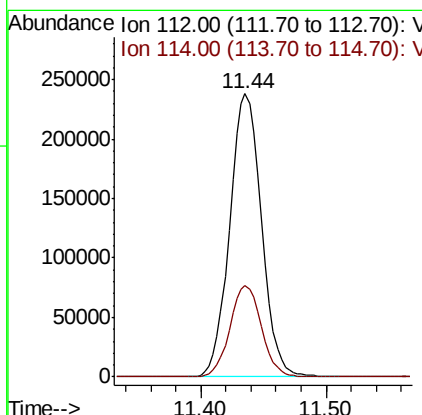
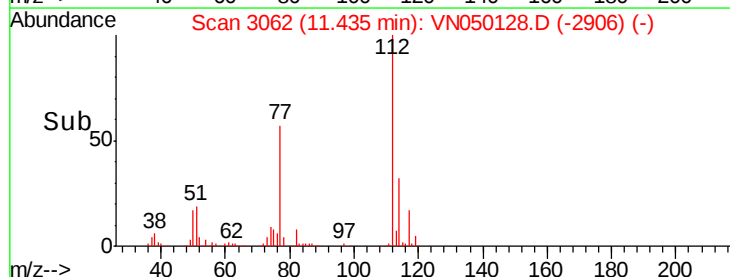
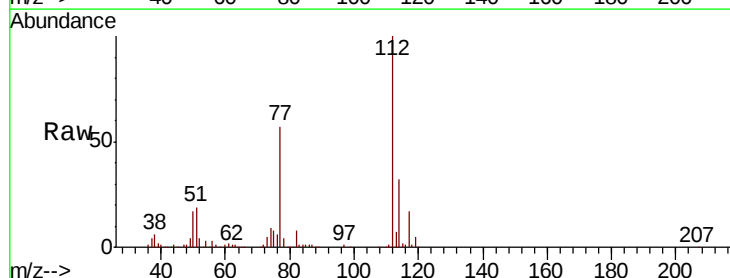
Manual Integrations
APPROVED

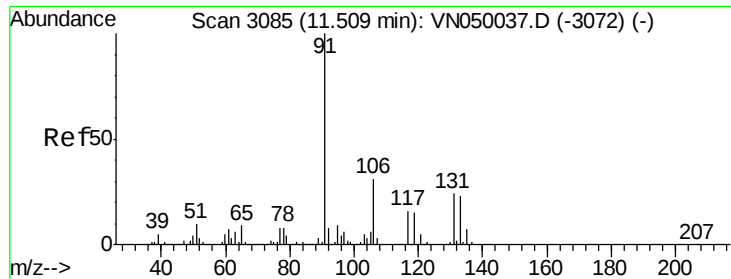
MMDadoda
7/30/2018 1:37:16 PM



#64
Chlorobenzene
Concen: 18.388 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Tgt Ion: 112 Resp: 419034
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 17.988 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

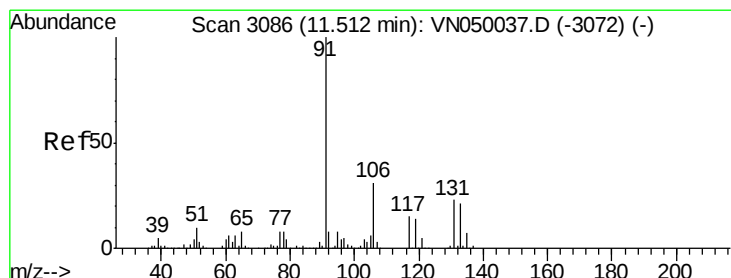
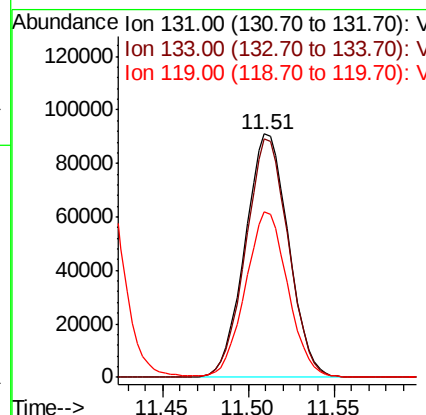
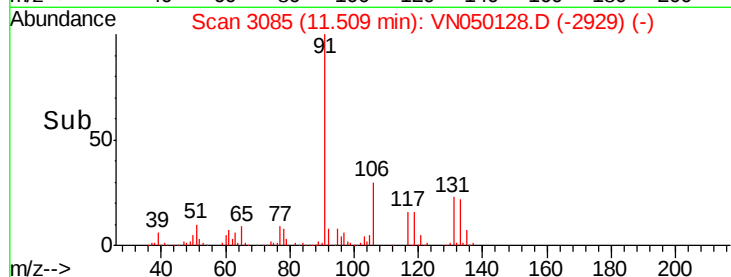
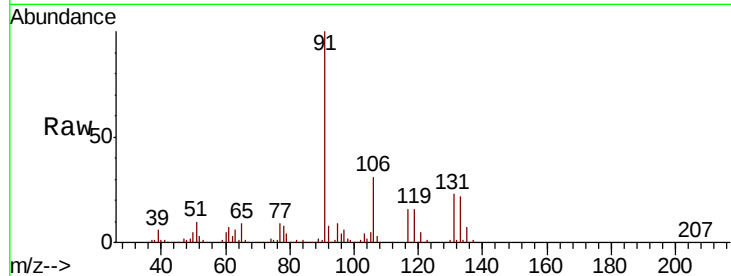
ClientSampleId :

VN0727WBSD01

Tot Ion:	131	Resp:	159886
Ion Ratio	Lower	Upper	
131	100		
133	96.3	0.0	190.0
119	66.4	0.0	131.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.390 ug/l

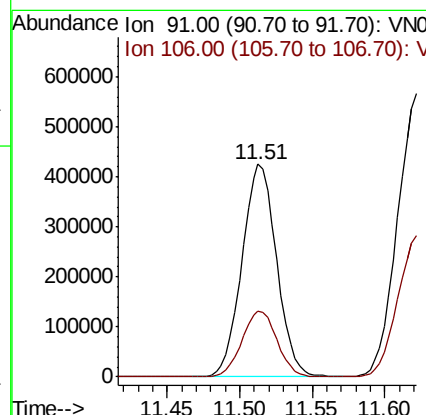
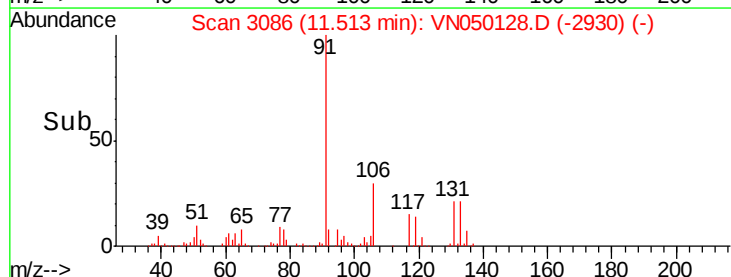
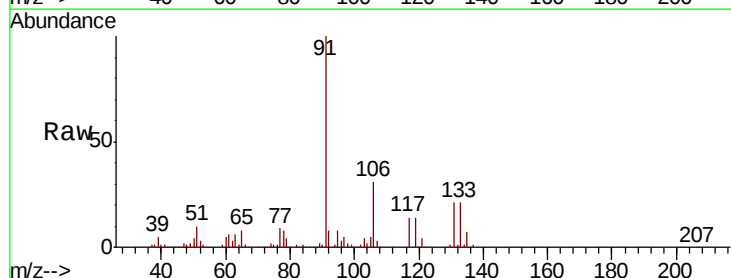
RT: 11.51 min Scan# 3086

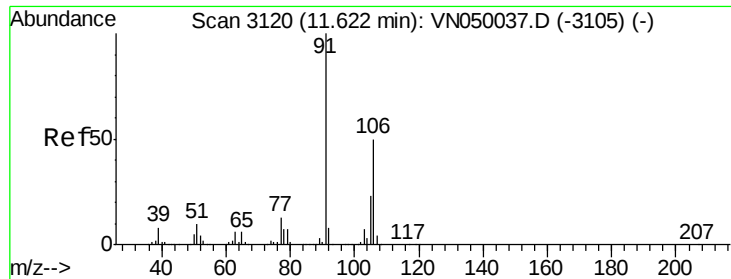
Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Tgt Ion:	91	Resp:	706251
Ion Ratio	Lower	Upper	
91	100		
106	31.0	25.1	37.7





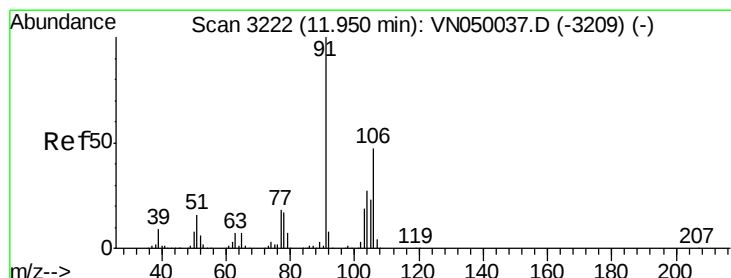
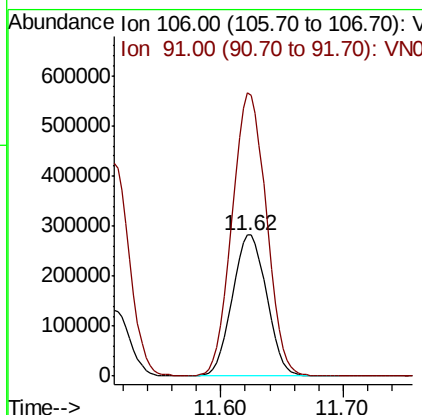
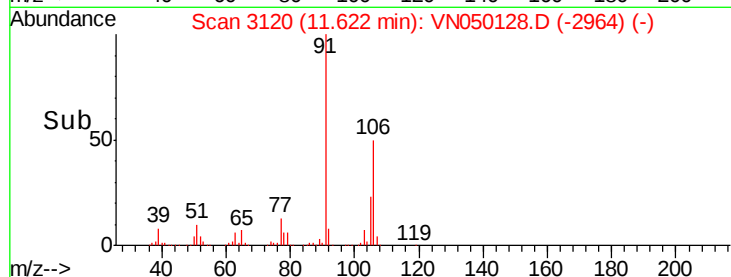
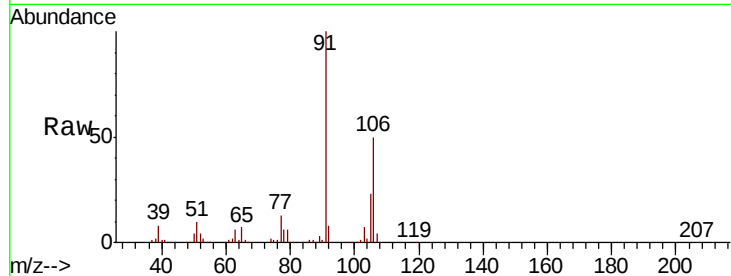
#67
m/p-Xylenes
Concen: 37.253 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		550575		
91	200.7	162.5	243.7		

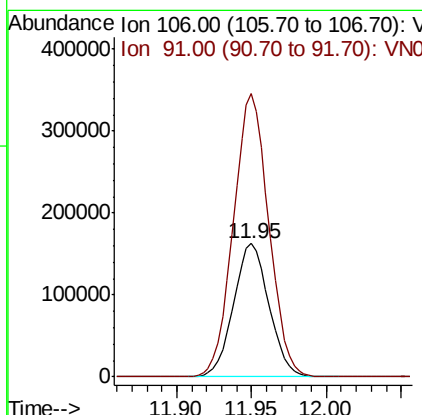
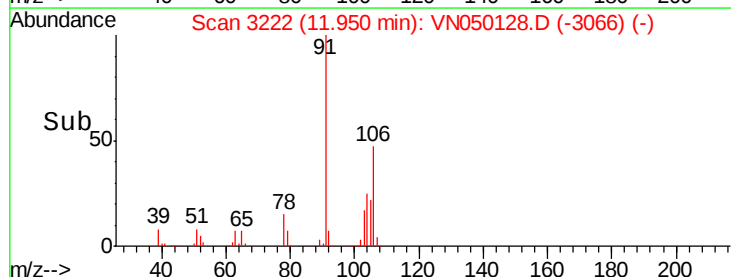
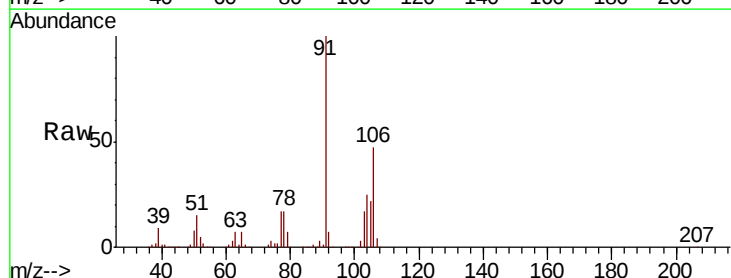
Manual Integrations
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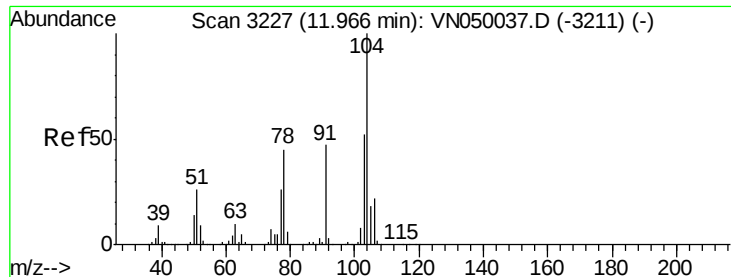
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#68
o-Xylene
Concen: 19.089 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		268424		
91	211.5	106.8	320.4		





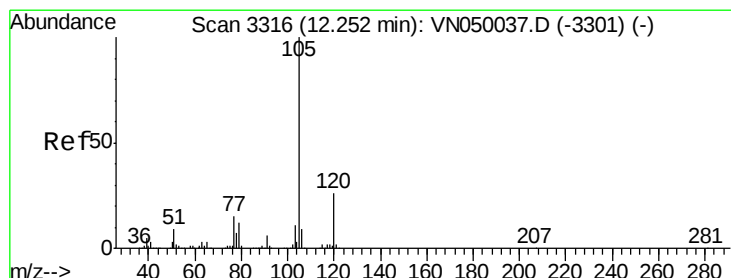
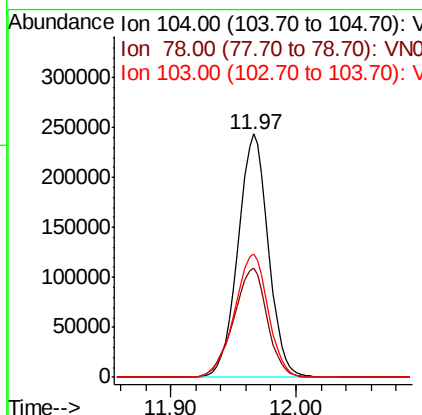
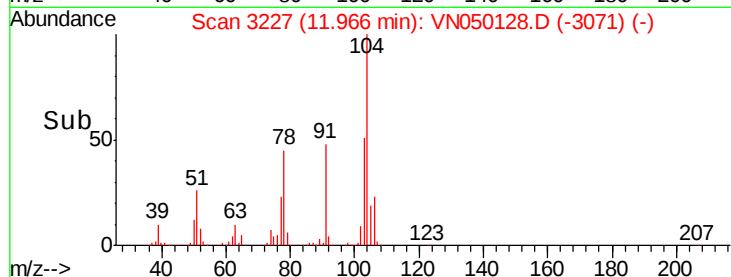
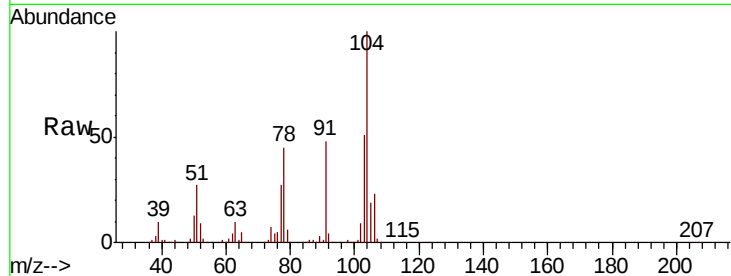
#69
Stvrene
Concen: 18.251 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
411423	104	100			
	78	49.4	39.3	58.9	
	103	56.0	44.5	66.7	

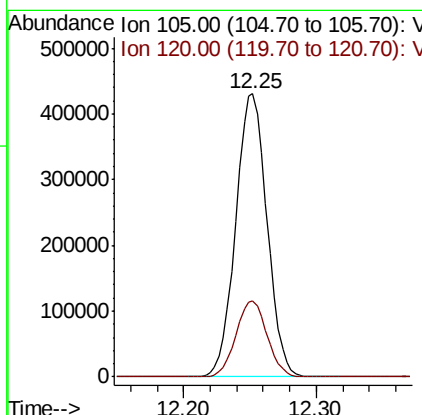
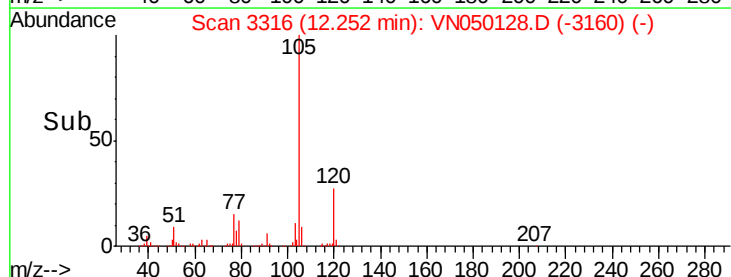
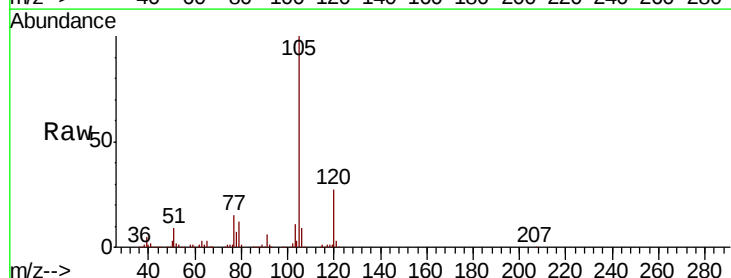
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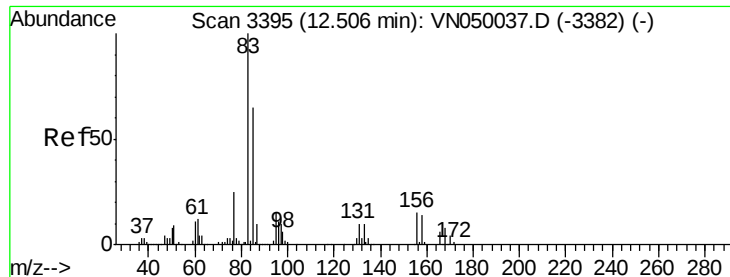
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#70
Isopropylbenzene
Concen: 18.807 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
704343	105	100			
	120	26.7	18.9	35.1	





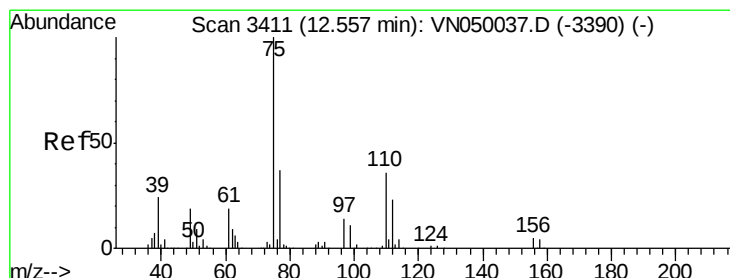
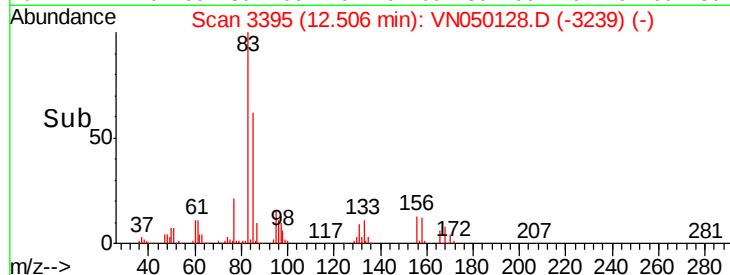
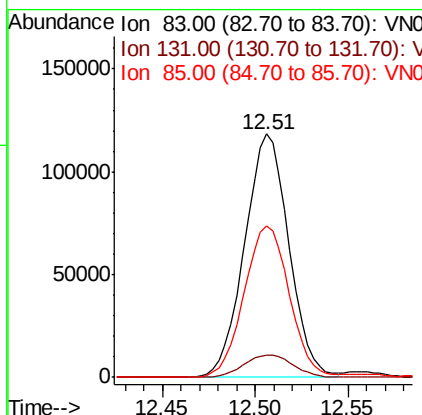
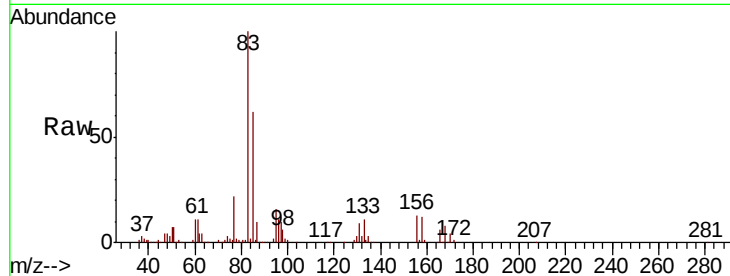
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.176 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	63.6	31.7	95.1

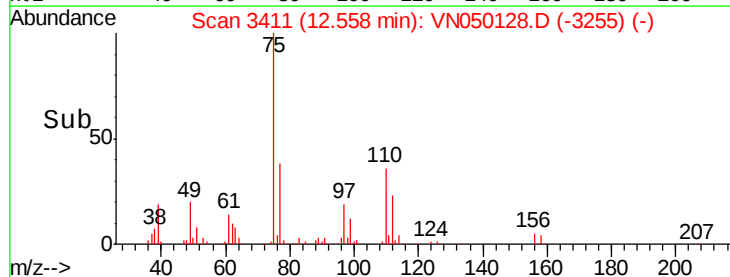
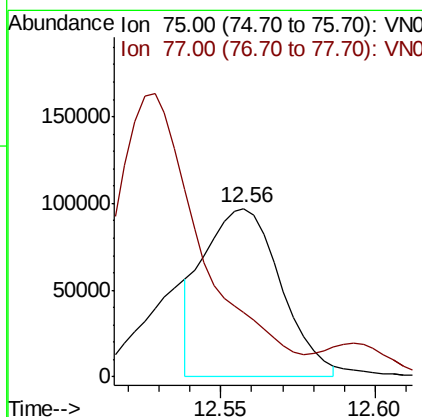
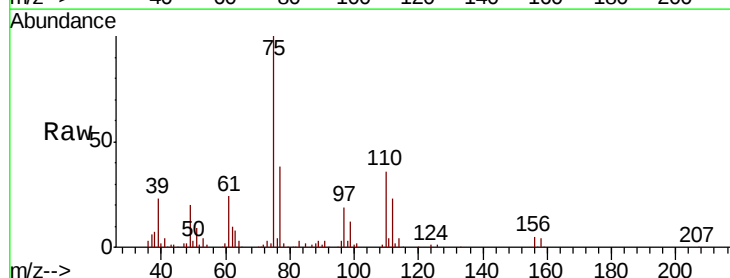
Manual Integrations
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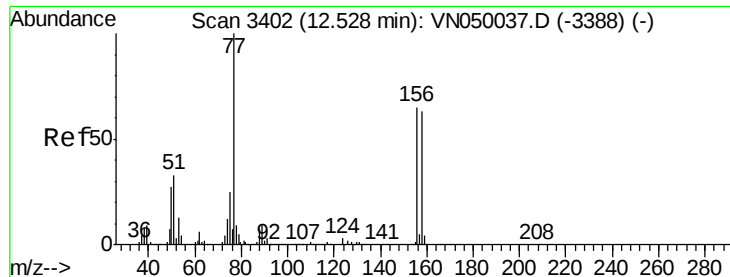
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#72
 1,2,3-Trichloropropane
 Concen: 19.166 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	194.2	0.0	454.4





#73

Bromobenzene

Concen: 18.197 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

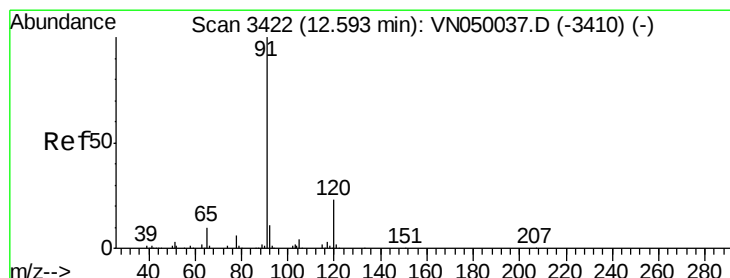
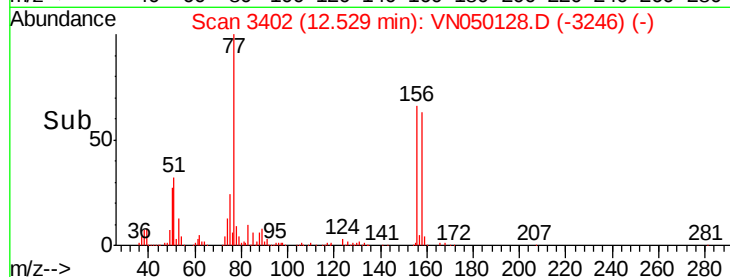
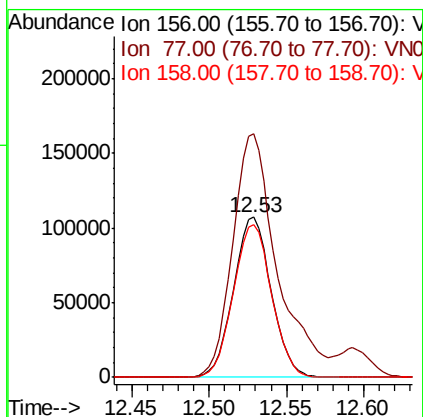
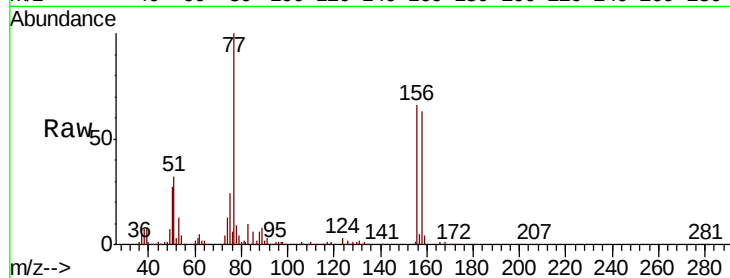
ClientSampleId :

VN0727WBSD01

Tot Ion:	156	Resp:	181534
Ion Ratio	Lower	Upper	
156	100		
77	180.0	0.0	359.8
158	97.0	0.0	192.8

Manual Integrations
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#74

n-propylbenzene

Concen: 18.112 ug/l

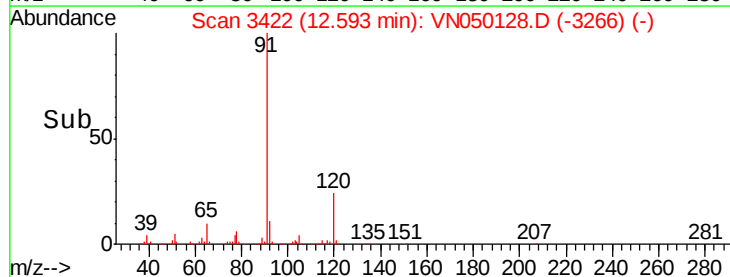
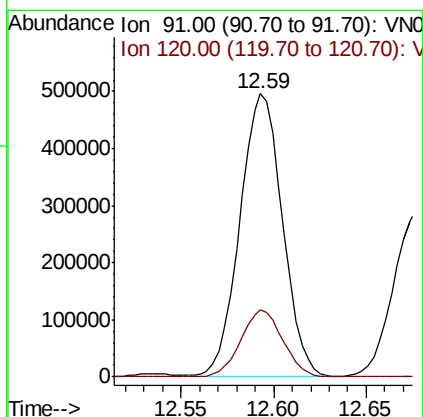
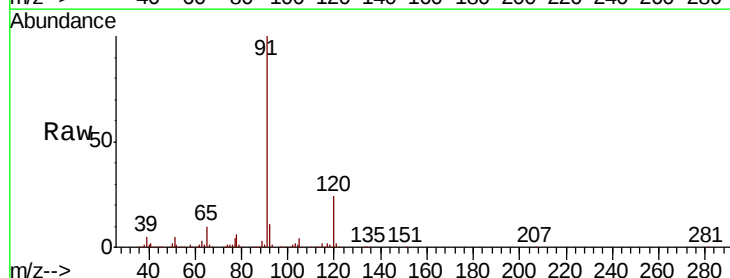
RT: 12.59 min Scan# 3422

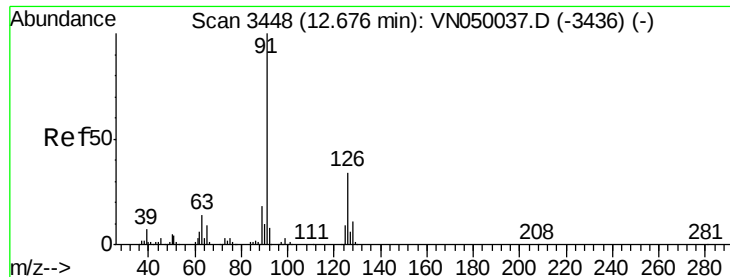
Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Tgt Ion:	91	Resp:	789978
Ion Ratio	Lower	Upper	
91	100		
120	23.3	0.0	46.4





#75

2-Chlorotoluene

Concen: 18.435 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

VN0727WBSD01

Tot Ion: 91 Resp: 482945

Ion Ratio Lower Upper

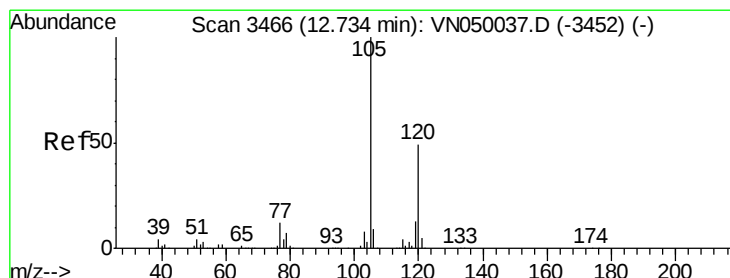
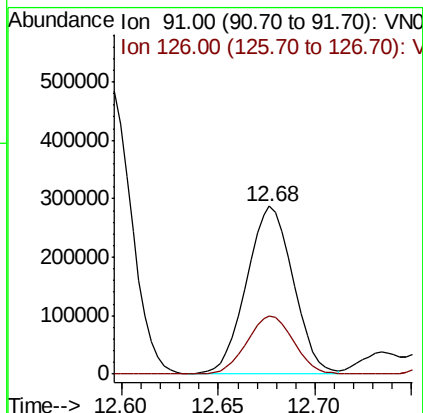
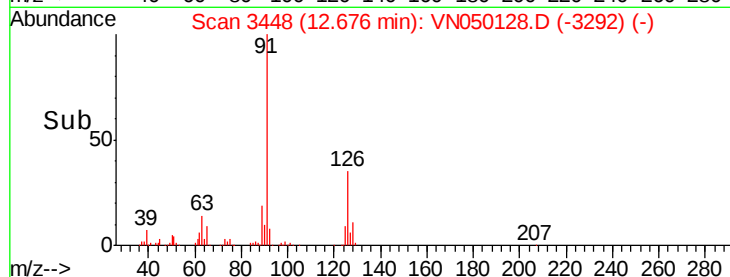
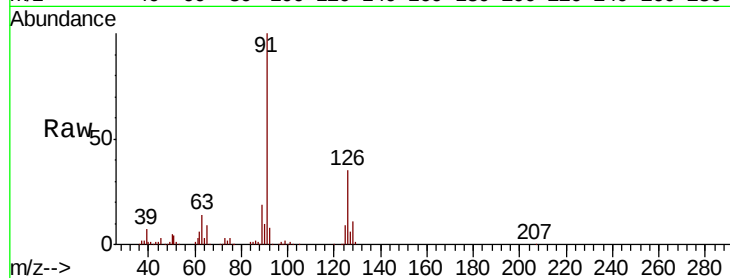
91 100

126 34.6 0.0 68.6

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 18.868 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050128.D

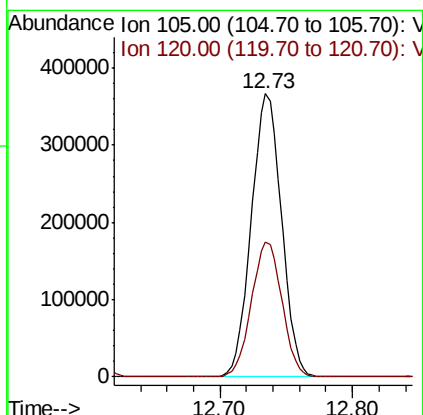
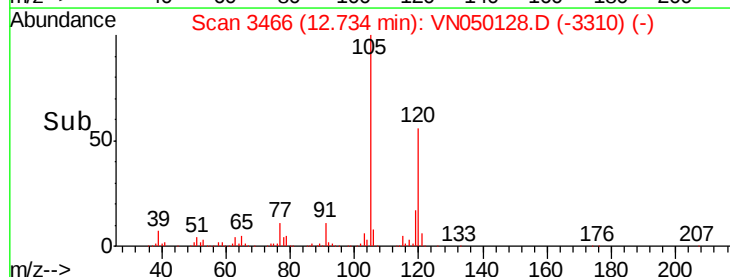
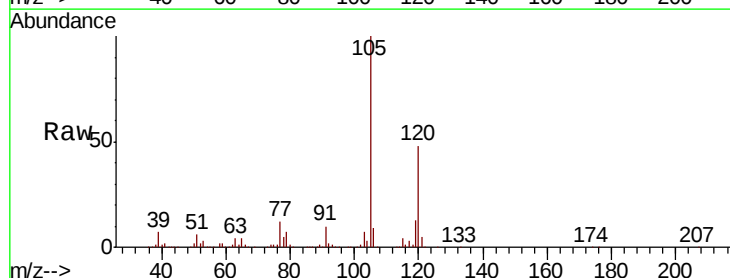
Acq: 27 Jul 2018 13:15

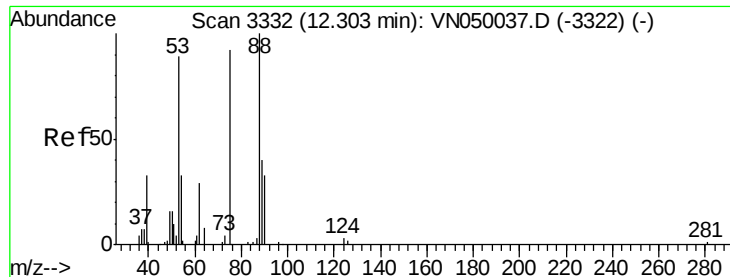
Tgt Ion: 105 Resp: 580373

Ion Ratio Lower Upper

105 100

120 48.2 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 16.693 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

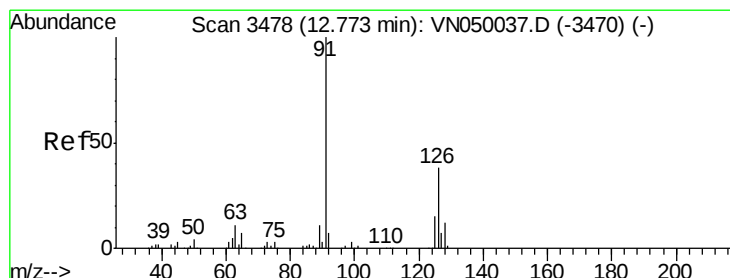
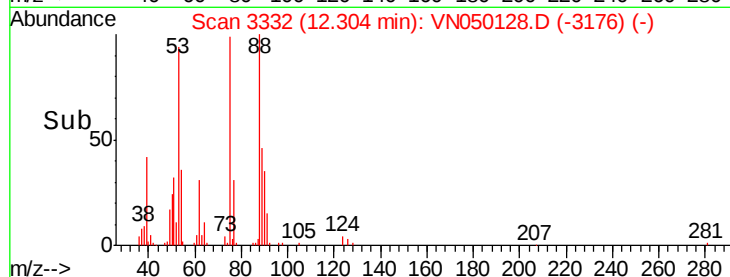
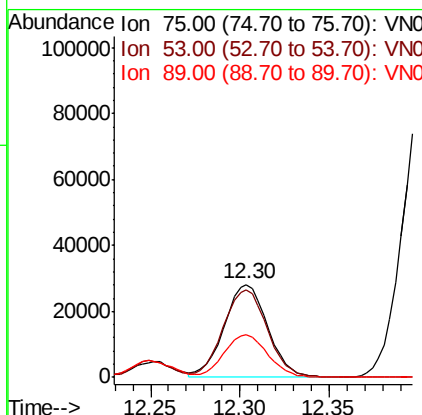
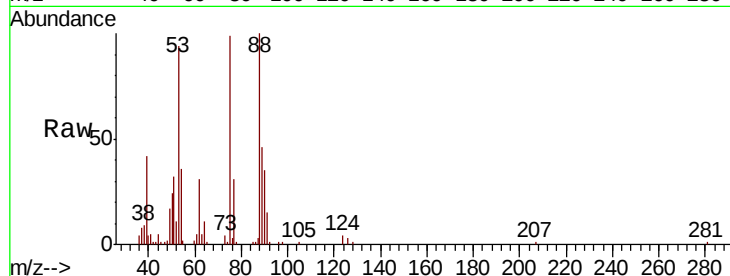
ClientSampleId :

VN0727WBSD01

Tot Ion:	75	Resp:	47928
Ion	Ratio	Lower	Upper
75	100		
53	94.3	44.6	134.0
89	45.9	20.7	62.1

Manual Integrations
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#78

4-Chlorotoluene

Concen: 18.151 ug/l

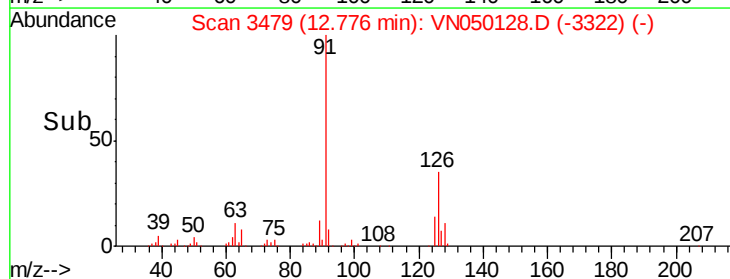
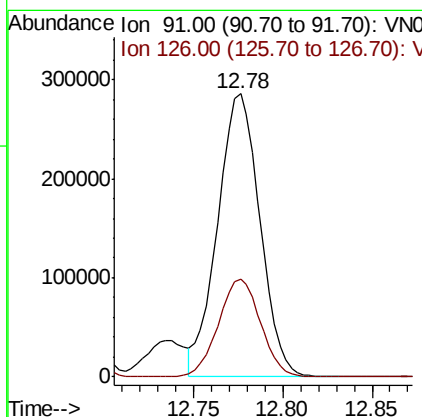
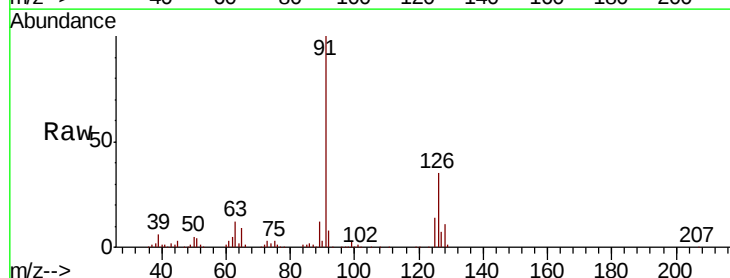
RT: 12.78 min Scan# 3479

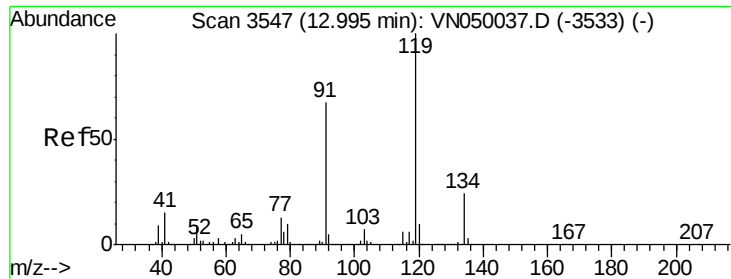
Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Tgt Ion:	91	Resp:	471217
Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	68.4





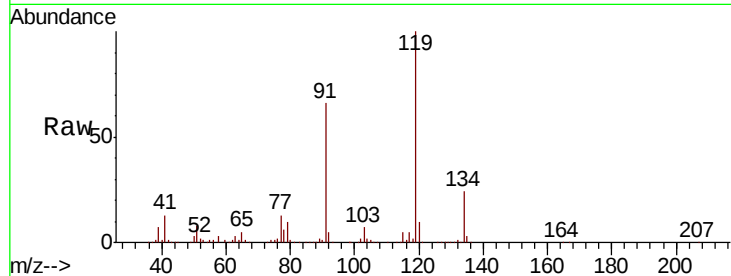
#79
tert-butylbenzene
Concen: 19.123 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	502896		
91	63.6	0.0	126.8	
134	24.2	0.0	47.4	

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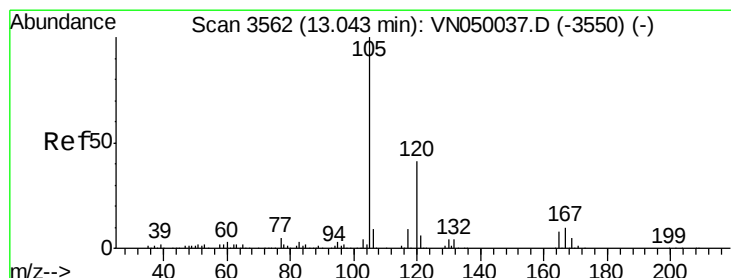
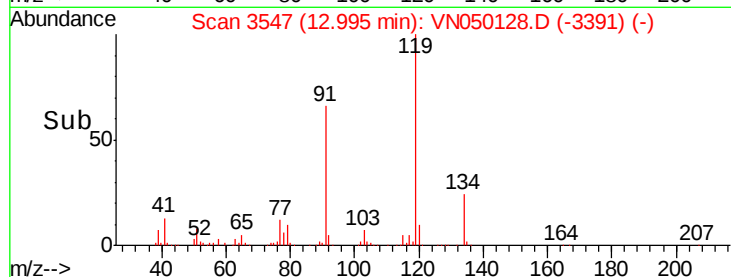
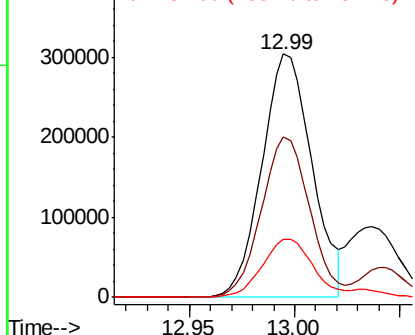


Abundance

Ion 119.00 (118.70 to 119.70): V

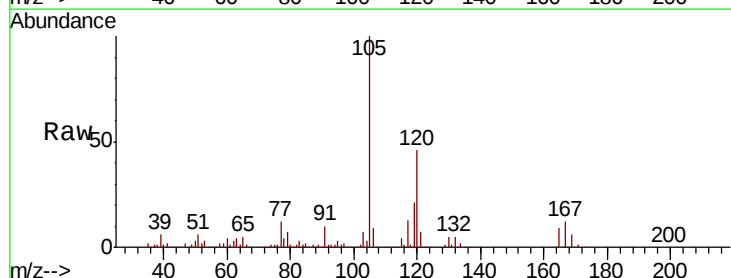
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80
1,2,4-Trimethylbenzene
Concen: 18.846 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

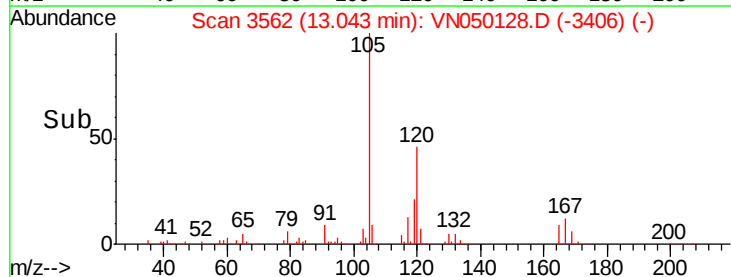
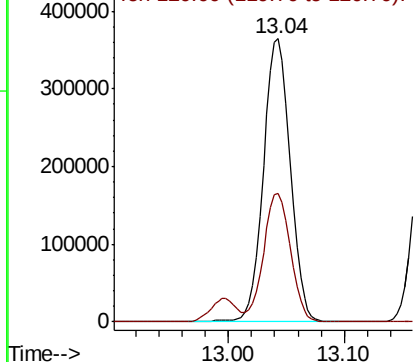
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	587329		
120	45.5	0.0	90.6	

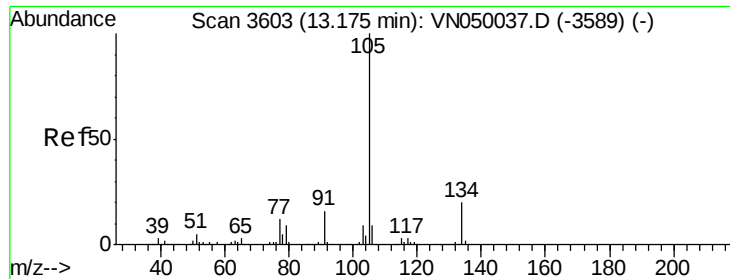


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 18.404 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD01

Tot Ion:105 Resp: 657494

Ion Ratio Lower Upper

105 100

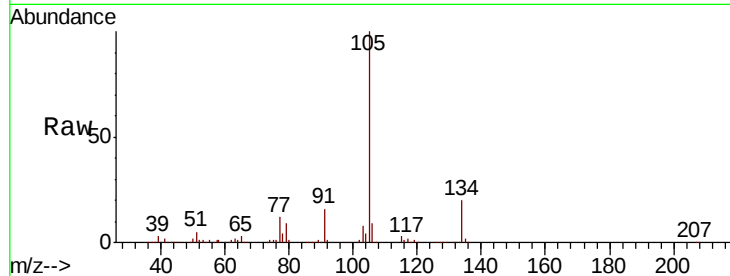
134 20.1 0.0 40.6

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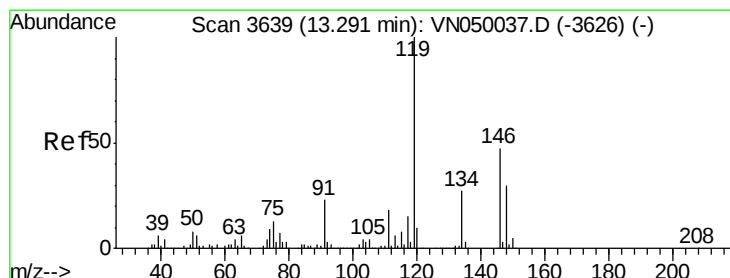
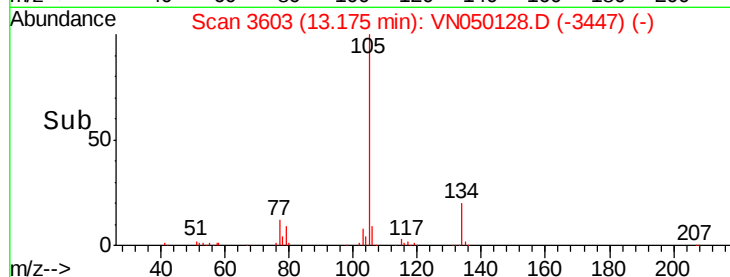
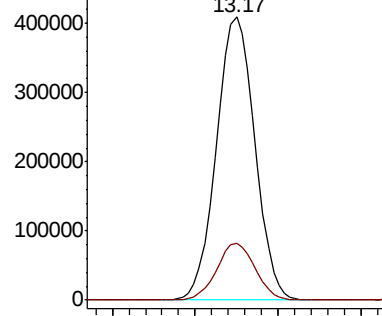
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.790 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

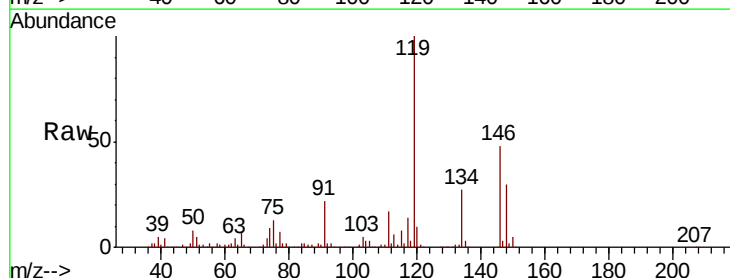
Tgt Ion:119 Resp: 572754

Ion Ratio Lower Upper

119 100

134 26.4 0.0 52.2

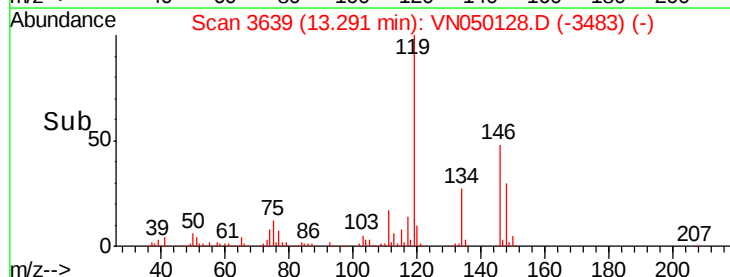
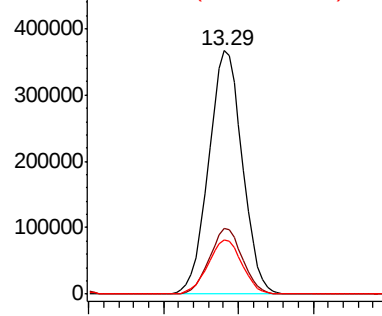
91 22.5 0.0 45.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





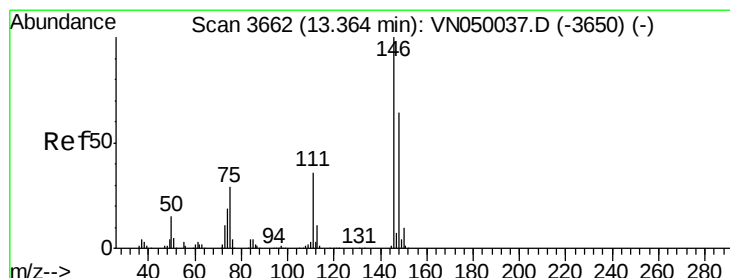
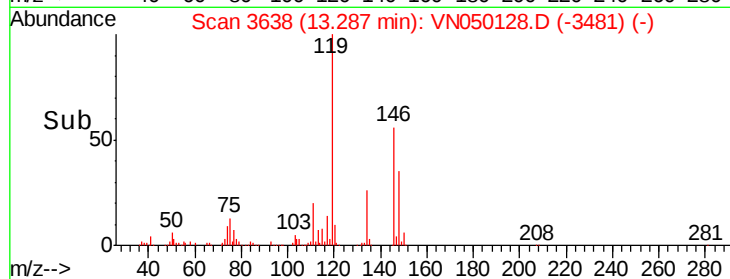
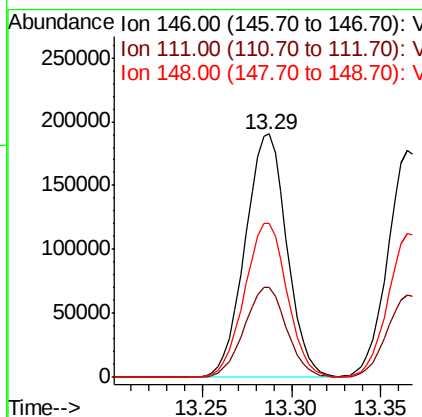
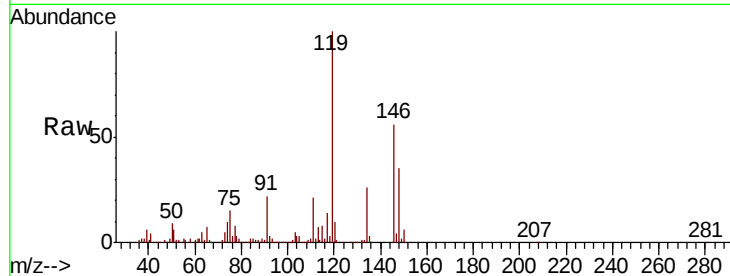
#83
 1,3-Dichlorobenzene
 Concen: 17.901 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.1
148	64.6	31.9	95.9

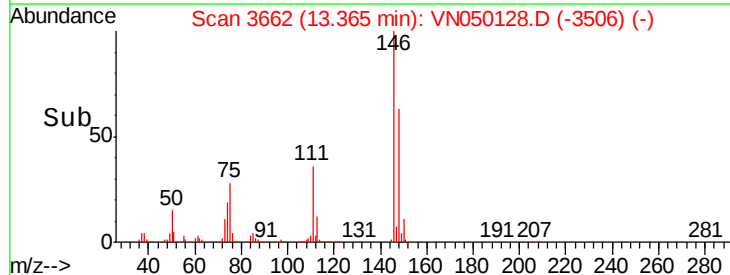
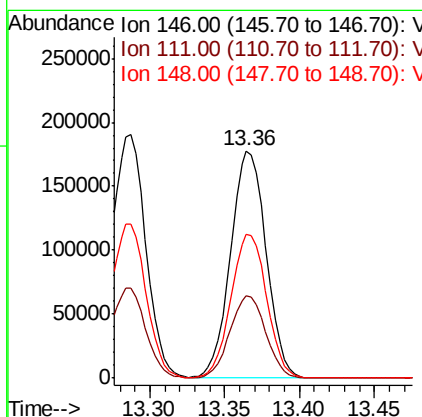
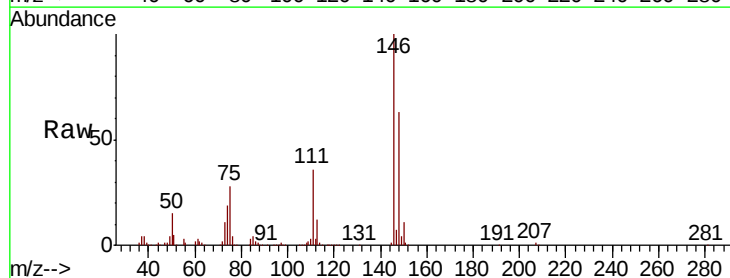
Manual Integrations
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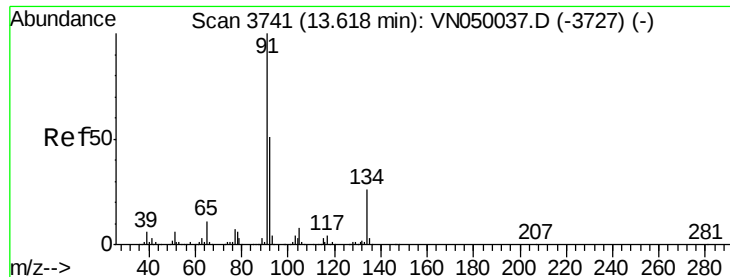
MMDadoda
 7/30/2018 1:37:16 PM



#84
 1,4-Dichlorobenzene
 Concen: 17.895 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	17.9	53.8
148	63.9	32.4	97.0





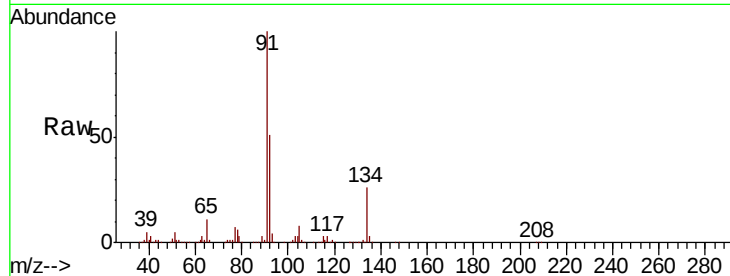
#85
n-Butylbenzene
Concen: 17.368 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

Instrument :
MSVOA_N
ClientSampled :
VN0727WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	429656		
92	52.0		0.0	102.8
134	26.6		0.0	51.0

Manual Integrations
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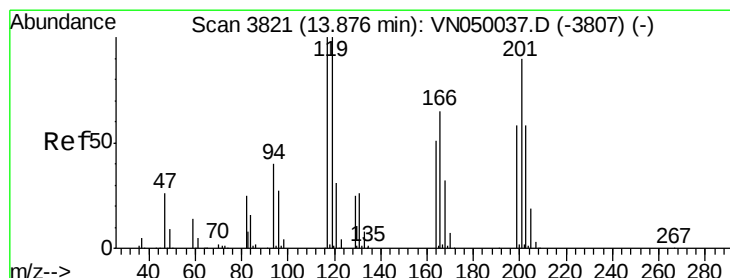
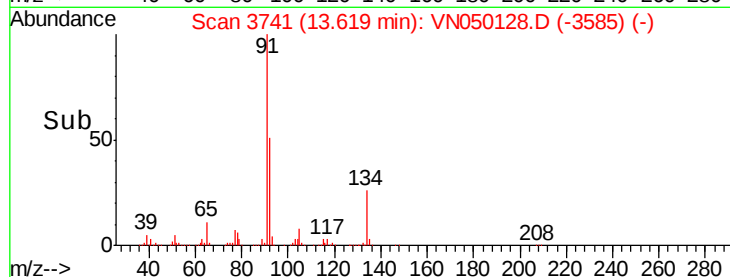
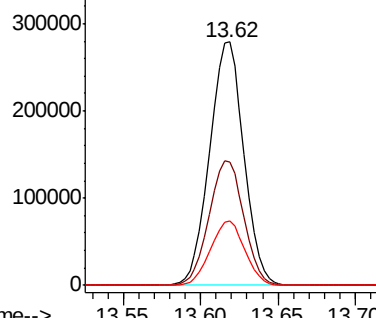


Abundance

Ion 91.00 (90.70 to 91.70): VN050037.D (-3727) (-)

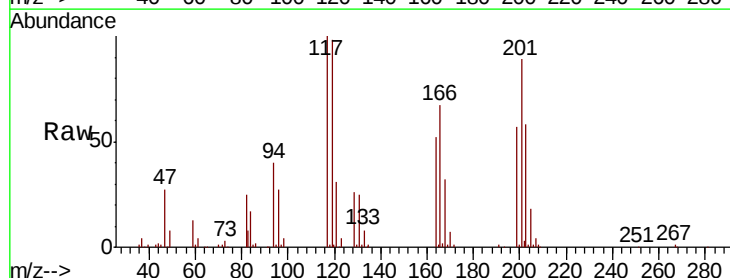
Ion 92.00 (91.70 to 92.70): VN050037.D (-3727) (-)

Ion 134.00 (133.70 to 134.70): VN050037.D (-3727) (-)



#86
Hexachloroethane
Concen: 16.823 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050128.D
Acq: 27 Jul 2018 13:15

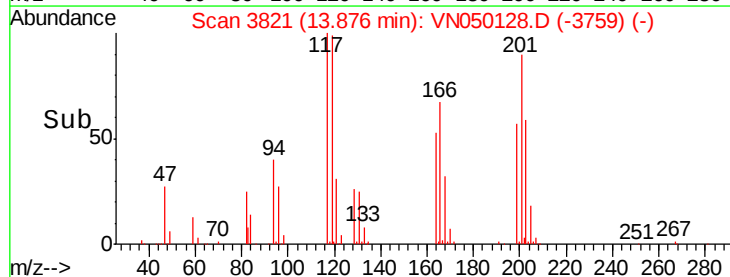
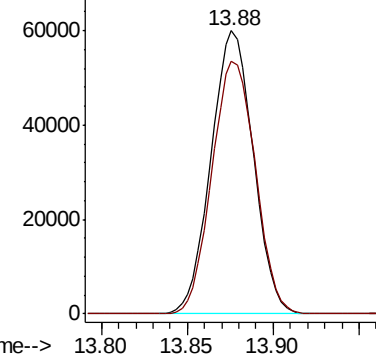
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	102472		
201	91.7		46.6	139.7

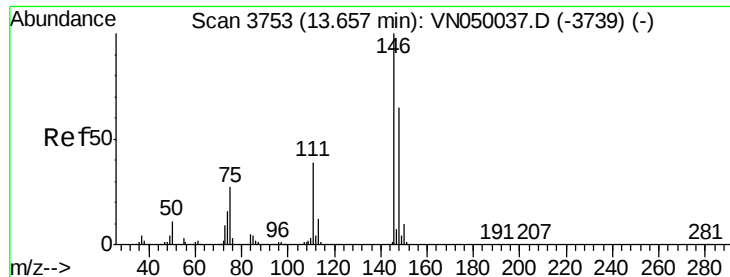


Abundance

Ion 117.00 (116.70 to 117.70): VN050037.D (-3807) (-)

Ion 201.00 (200.70 to 201.70): VN050037.D (-3807) (-)





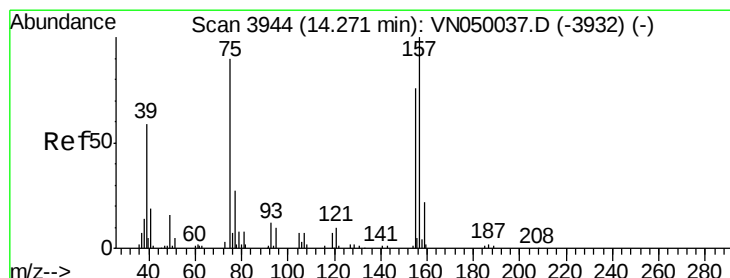
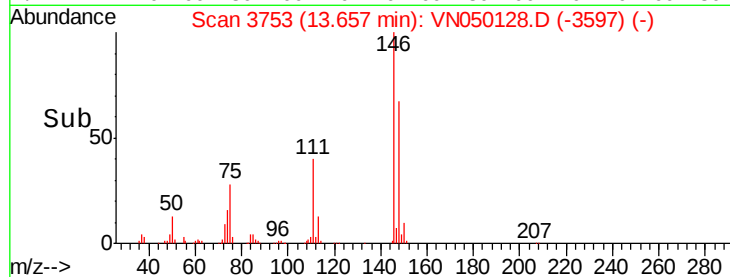
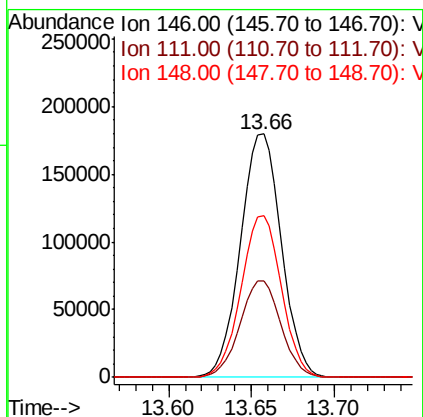
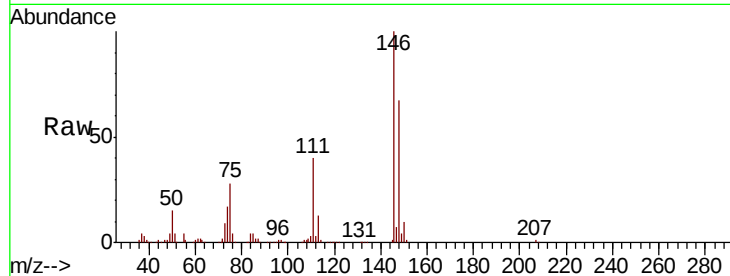
#87
 1,2-Dichlorobenzene
 Concen: 18.154 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.3
148	65.5	31.8	95.3

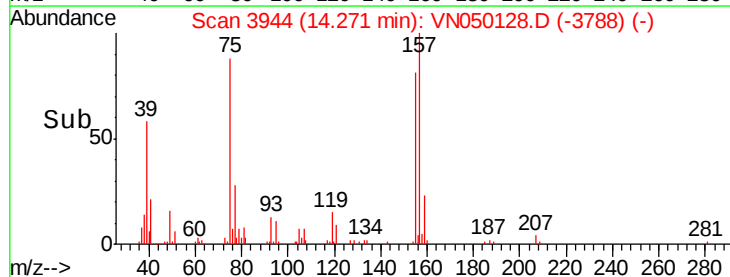
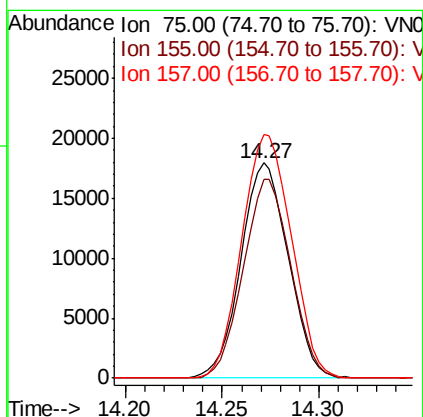
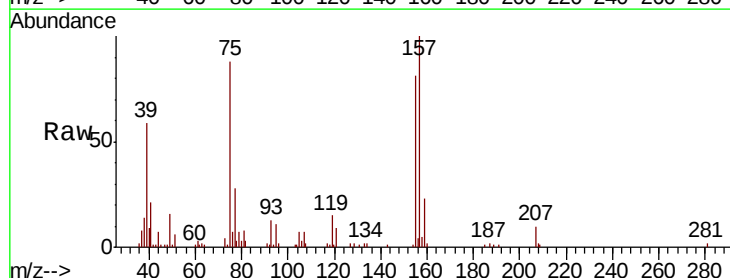
Manual Integrations
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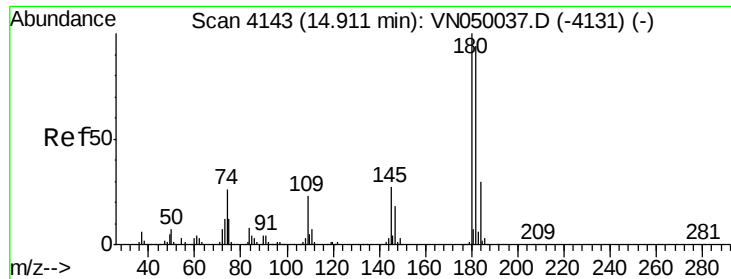
MMDadoda
 7/30/2018 1:37:16 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.098 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	73.0	109.6
157	118.7	94.9	142.3





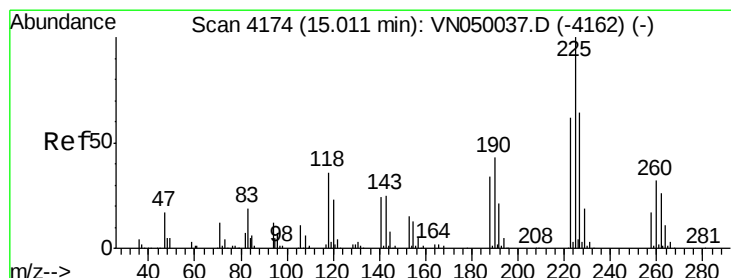
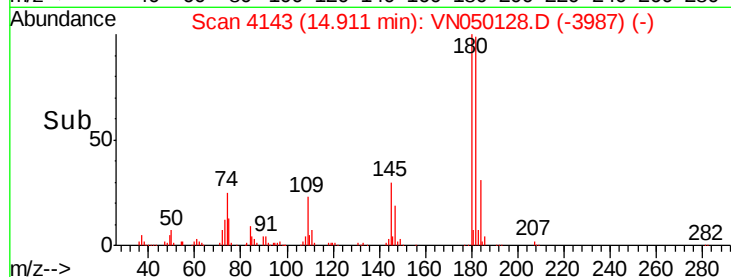
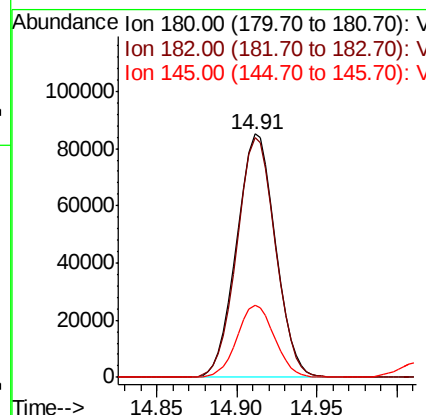
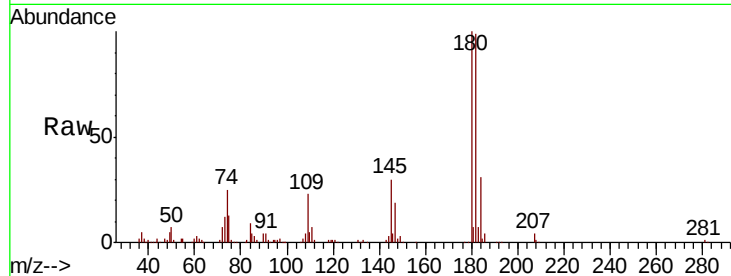
#89
 1,2,4-Trichlorobenzene
 Concen: 17.286 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	140190		
182	97.9	76.7	115.1	
145	28.7	23.4	35.0	

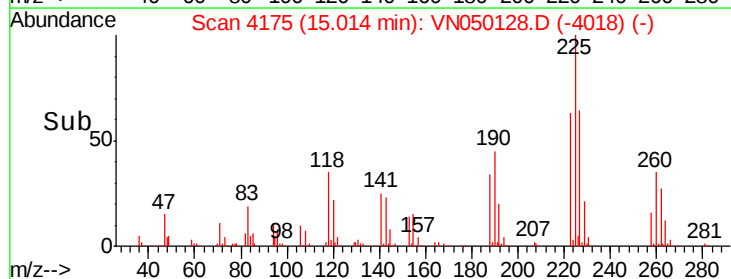
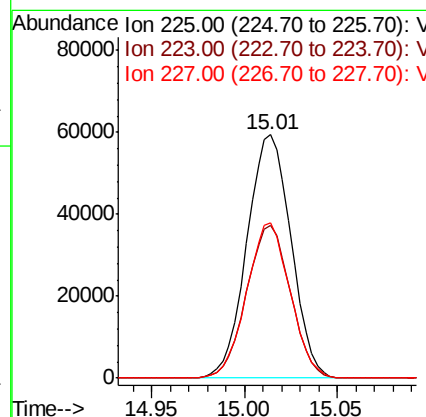
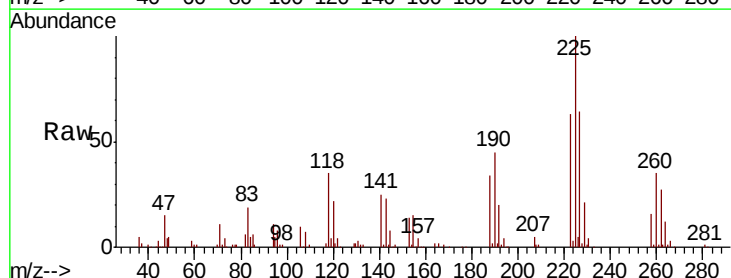
Manual Integrations
 APPROVED

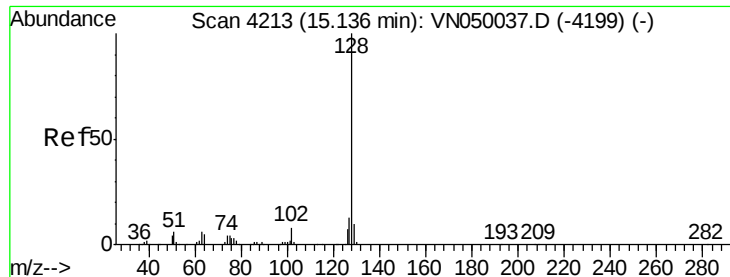
MMDadoda
 7/30/2018 1:37:16 PM



#90
 Hexachlorobutadiene
 Concen: 18.389 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050128.D
 Acq: 27 Jul 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	98332		
223	62.3	0.0	124.4	
227	62.7	0.0	133.0	





#91

Naphthalene

Concen: 20.994 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Instrument :

MSVOA_N

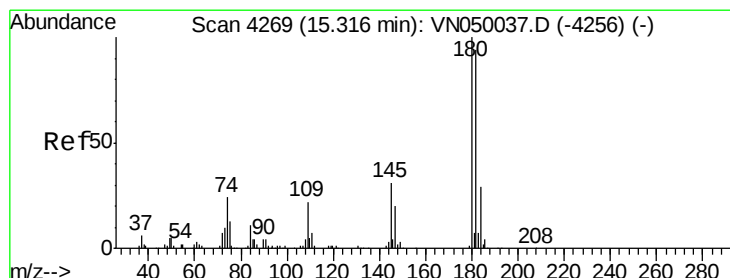
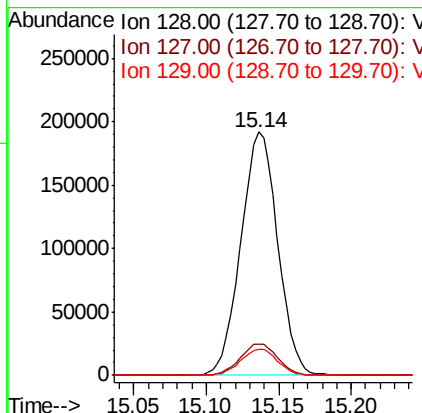
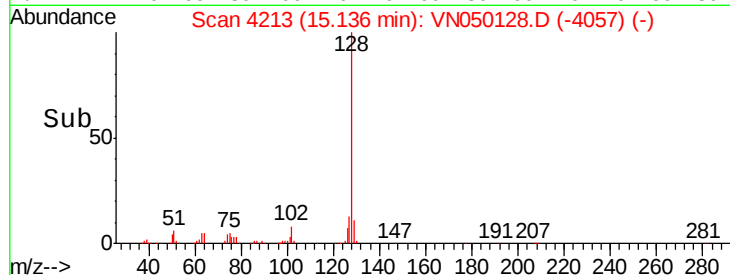
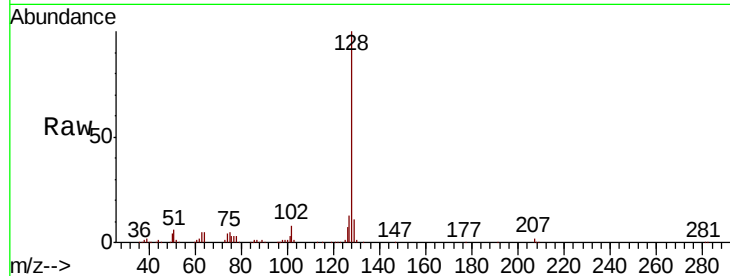
ClientSampleId :

VN0727WBSD01

Tot Ion:	128	Resp:	339452
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	10.8	9.0	13.4

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 18.393 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050128.D

Acq: 27 Jul 2018 13:15

Tgt Ion:	180	Resp:	151707
Ion Ratio	Lower	Upper	
180	100		
182	93.6	0.0	188.8
145	30.1	0.0	60.8

