

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
 Data File : VN052464.D
 Acq On : 26 Nov 2018 17:38
 Operator : MD\SY
 Sample : VN1126WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1126WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 3:52:15 PM

Quant Time: Nov 27 01:10:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	170341	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	992936	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	869250	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	350173	30.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.57%
60) 4-Bromofluorobenzene	12.40	95	395330	29.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.17%
63) Toluene-d8	10.09	98	1214191	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	187495	19.33	ug/l	99
3) Chloromethane	2.06	50	252696	19.64	ug/l	100
4) Vinyl Chloride	2.19	62	255983	19.71	ug/l	98
5) Bromomethane	2.58	94	153970	20.79	ug/l	95
6) Chloroethane	2.71	64	152714	19.78	ug/l	98
7) Trichlorofluoromethane	3.02	101	309749	19.33	ug/l	99
8) Diethyl Ether	3.41	74	114735	19.39	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	194873	19.18	ug/l	99
10) 1,1-Dichloroethene	3.74	96	185064	19.37	ug/l	99
11) Methyl Iodide	3.96	142	253530	19.12	ug/l	99
12) Methyl Acetate	4.33	43	159250	19.62	ug/l	97
13) Acrolein	3.61	56	92093	96.60	ug/l	100
14) Acrylonitrile	4.99	53	340307	98.41	ug/l	99
15) Acetone	3.82	58	78470	87.62	ug/l	94
16) Carbon Disulfide	4.06	76	565512	18.70	ug/l	99
17) Allyl chloride	4.33	41	328094	19.69	ug/l	99
18) Methylene Chloride	4.55	84	218103	19.72	ug/l	96
19) trans-1,2-Dichloroethene	5.05	96	202973	19.74	ug/l	94
20) Diisopropyl ether	5.95	45	690240	19.72	ug/l	100
21) 1,1-Dichloroethane	5.85	63	394982	19.80	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	231118	19.62	ug/l	99
23) tert-Butyl Alcohol	4.78	59	51718	100.53	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	496328	19.81	ug/l	100
25) Chloroform	7.37	83	375710	19.52	ug/l	99
26) Cyclohexane	7.65	56	361011	19.18	ug/l #	100
29) 1,1-Dichloropropene	7.80	75	294314	19.41	ug/l	99
30) 2-Butanone	6.84	43	381015	93.91	ug/l	99
31) 2,2-Dichloropropane	6.83	77	261150	18.71	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	308107	19.53	ug/l	98
33) Carbon Tetrachloride	7.78	117	263803	19.11	ug/l	98
34) Benzene	8.04	78	885347	19.42	ug/l	99
35) Methacrylonitrile	7.17	41	84724	16.83	ug/l	98
36) 1,2-Dichloroethane	8.13	62	269696	19.52	ug/l	99
37) Trichloroethene	8.84	130	227186	19.65	ug/l	97
38) Methylcyclohexane	9.08	83	354094	18.86	ug/l	99
39) 1,2-Dichloropropane	9.12	63	235370	19.26	ug/l	95
40) Dibromomethane	9.21	93	131012	19.84	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	279227	19.14	ug/l	98
42) Vinyl Acetate	5.90	43	2119605	96.55	ug/l	99
43) Ethyl Acetate	6.93	43	164813	19.10	ug/l #	70
44) Isopropyl Acetate	8.17	43	299203	19.77	ug/l #	79
45) 1,4-Dioxane	9.20	88	32453	392.05	ug/l	99
46) Methyl methacrylate	9.20	41	153380	19.52	ug/l	99
47) n-amyl Acetate	12.07	43	236764	18.87	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	266592	18.84	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	328170	19.04	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	187179	20.00	ug/l	100
51) Ethyl methacrylate	10.43	69	227839	19.38	ug/l	98
52) 1,3-Dichloropropane	10.71	76	325041	19.51	ug/l	98
53) Dibromochloromethane	10.90	129	197550	19.17	ug/l	97
54) 1,2-Dibromoethane	11.01	107	182201	19.92	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	668769	97.18	ug/l	99
56) Bromoform	12.13	173	127157	18.88	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	845261	100.30	ug/l	99
59) 2-Hexanone	10.75	43	551762	95.85	ug/l	99
61) Tetrachloroethene	10.63	164	213033	19.90	ug/l	96
62) Toluene	10.16	91	940369	19.62	ug/l	100
64) Chlorobenzene	11.44	112	575321	19.67	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	196813	19.39	ug/l	99
66) Ethyl Benzene	11.51	91	1002630	19.41	ug/l	99
67) m/p-Xylenes	11.62	106	750928	39.03	ug/l	100
68) o-Xylene	11.95	106	365256	19.56	ug/l	100
69) Styrene	11.97	104	583779	19.37	ug/l	99
70) Isopropylbenzene	12.25	105	982297	19.77	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	217095	20.08	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	172414m	18.58	ug/l	
73) Bromobenzene	12.53	156	234228	19.49	ug/l	99
74) n-propylbenzene	12.59	91	1114591	19.25	ug/l	100
75) 2-Chlorotoluene	12.68	91	662034	19.70	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	792591	19.75	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	52682	17.97	ug/l	95
78) 4-Chlorotoluene	12.78	91	642723	19.15	ug/l	100
79) tert-butylbenzene	12.99	119	692667	19.82	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	792457	19.73	ug/l	99
81) sec-Butylbenzene	13.17	105	944797	19.41	ug/l	99
82) p-Isopropyltoluene	13.29	119	796962	19.22	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	404265	19.13	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	391081	19.15	ug/l	99
85) n-Butylbenzene	13.62	91	657257	18.46	ug/l	100
86) Hexachloroethane	13.88	117	132992	18.93	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	396325	19.70	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29305	19.36	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	182233	18.39	ug/l	100
90) Hexachlorobutadiene	15.01	225	128233	19.73	ug/l	98
91) Naphthalene	15.14	128	364591	18.22	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	169931	18.61	ug/l	98

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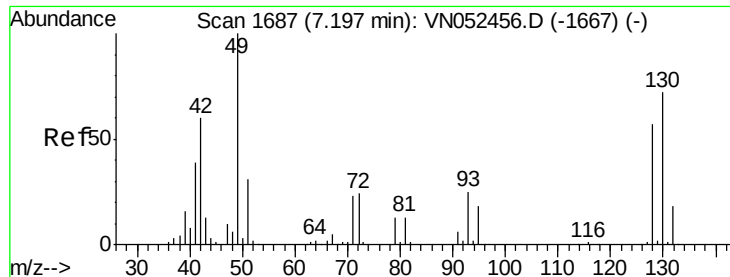
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

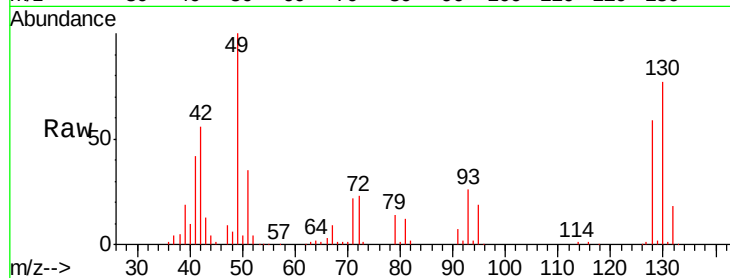
ClientSampleId :

VN1126WBSD01

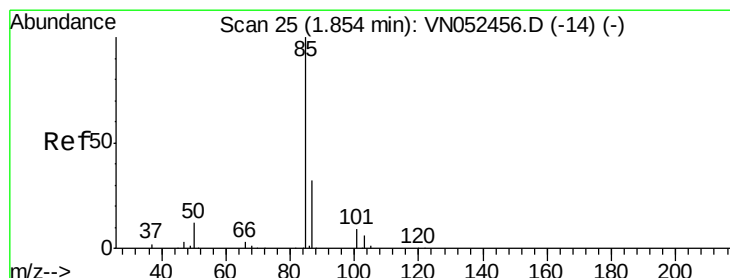
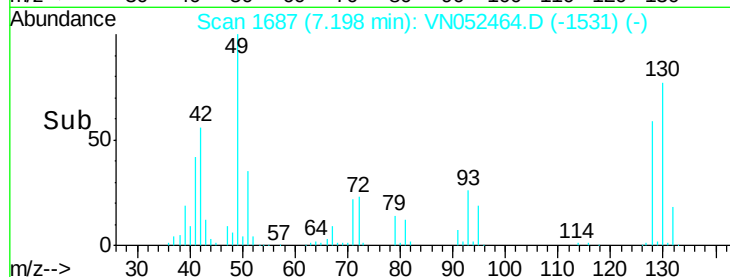
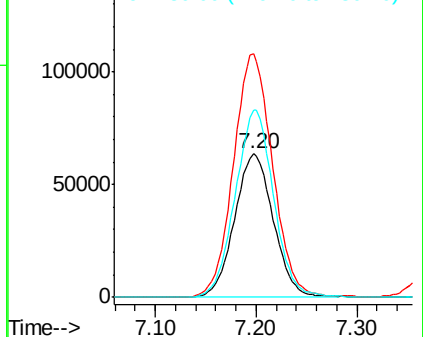
Tgt Ion:	128	Resp:	170341
Ion	Ratio	Lower	Upper
128	100		
49	170.3	0.0	431.8
130	129.1	0.0	317.0

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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: 19.33 ug/l

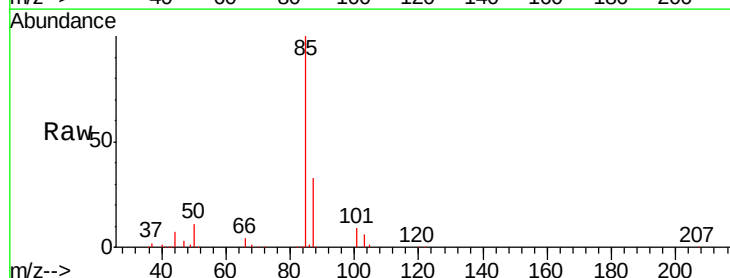
RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

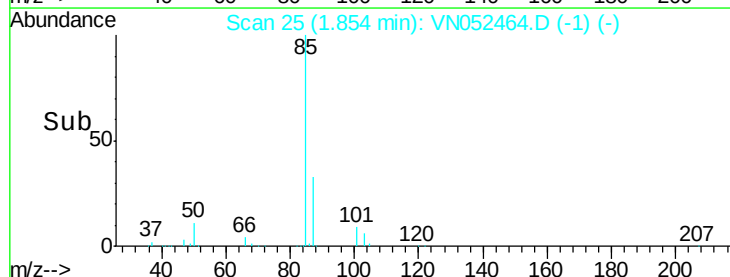
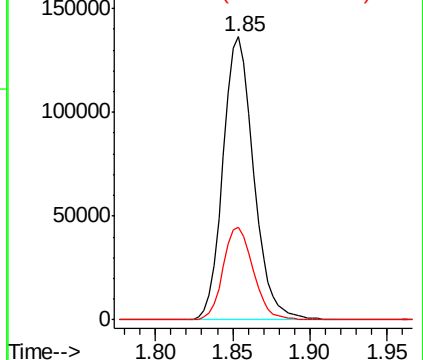
Lab File: VN052464.D

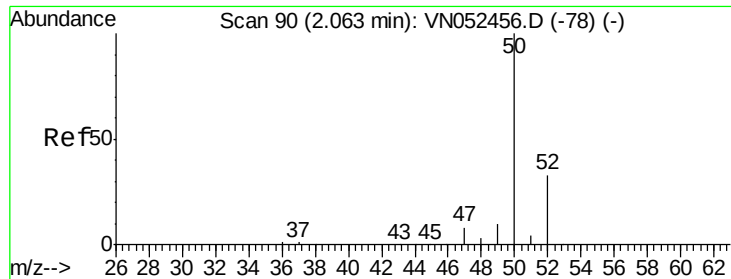
Acq: 26 Nov 2018 17:38

Tgt Ion:	85	Resp:	187495
Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.1	48.3



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.64 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBSD01

Tgt Ion: 50 Resp: 252696

Ion Ratio Lower Upper

50 100

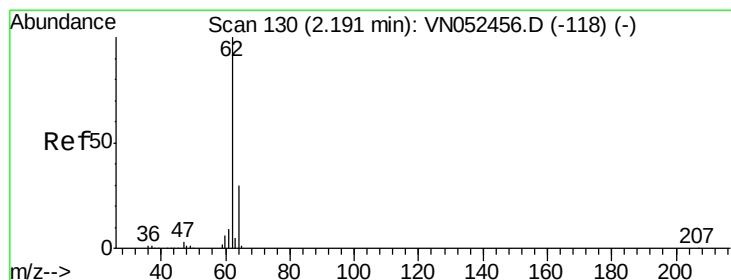
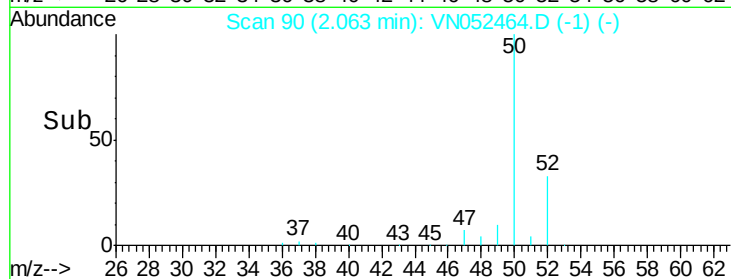
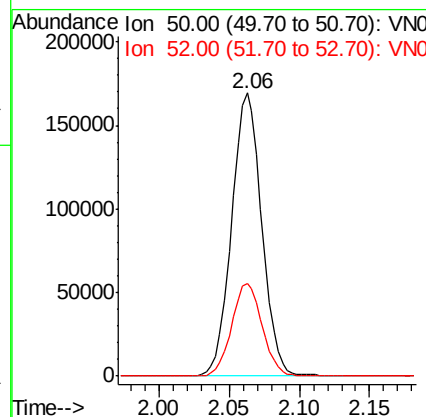
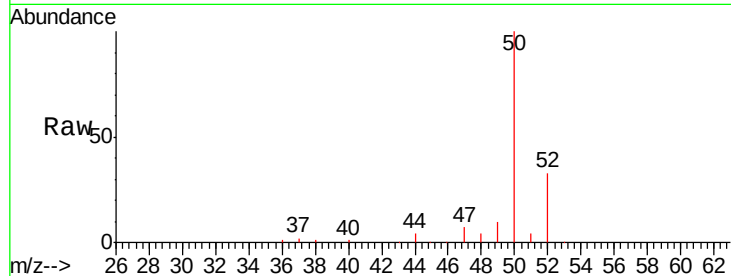
52 32.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.71 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052464.D

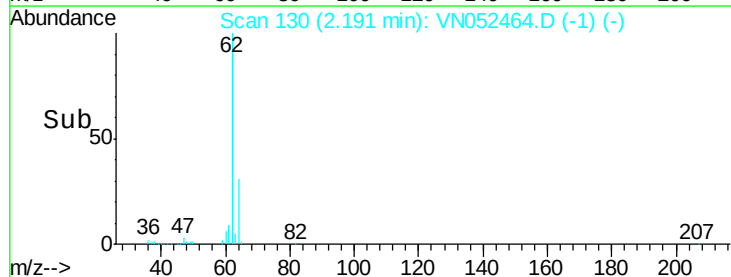
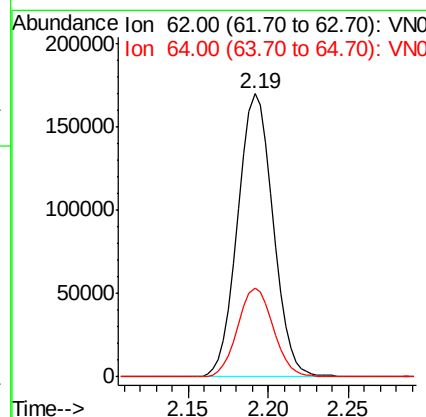
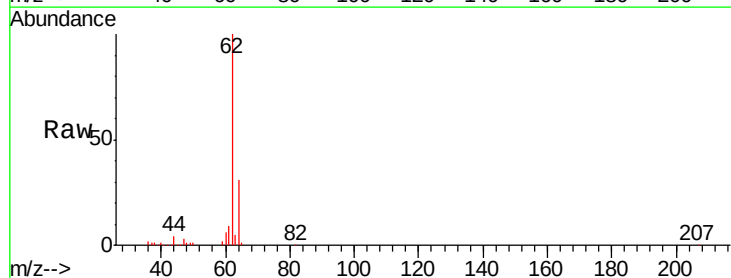
Acq: 26 Nov 2018 17:38

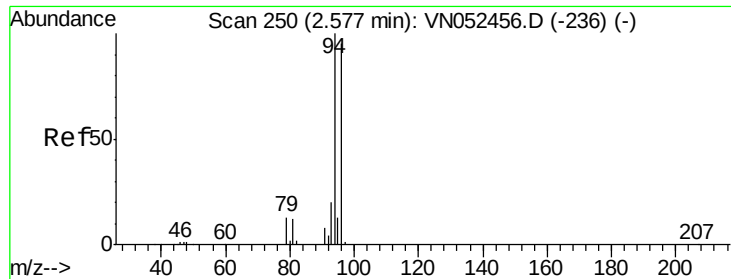
Tgt Ion: 62 Resp: 255983

Ion Ratio Lower Upper

62 100

64 31.4 24.2 36.4





#5

Bromomethane

Concen: 20.79 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBSD01

Tgt Ion: 94 Resp: 153970

Ion Ratio Lower Upper

94 100

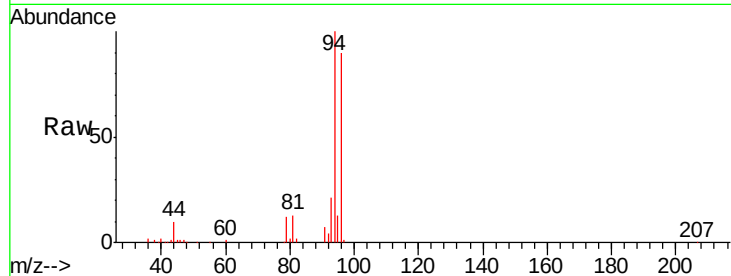
96 90.1 76.2 114.2

Manual Integrations

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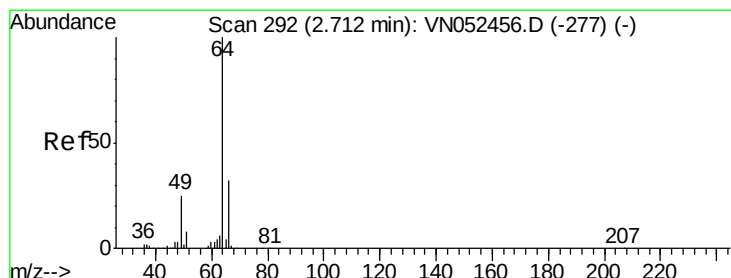
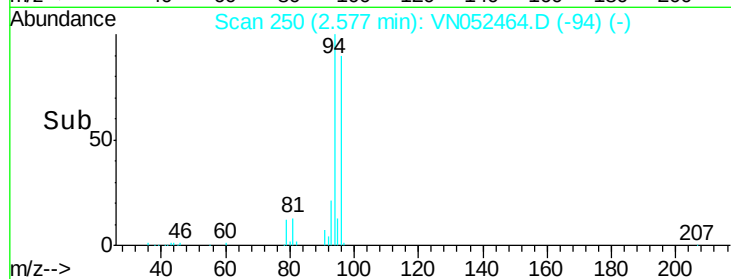
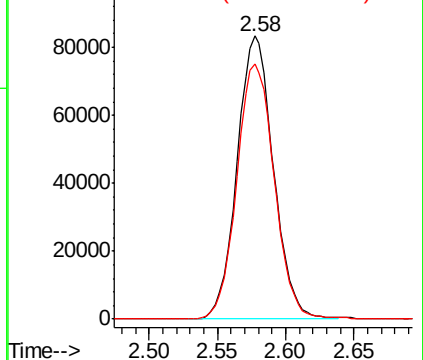
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.78 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052464.D

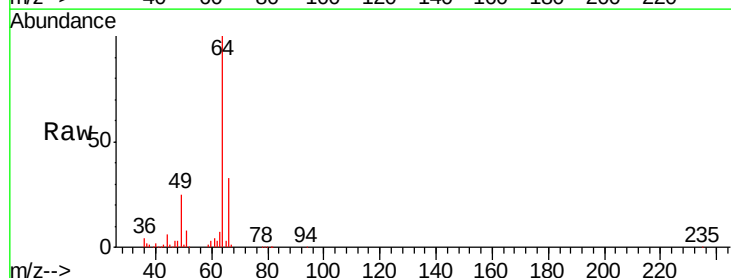
Acq: 26 Nov 2018 17:38

Tgt Ion: 64 Resp: 152714

Ion Ratio Lower Upper

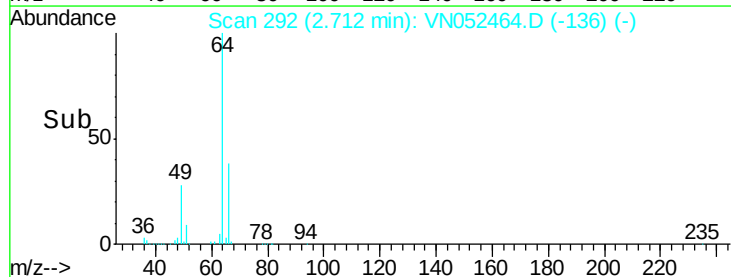
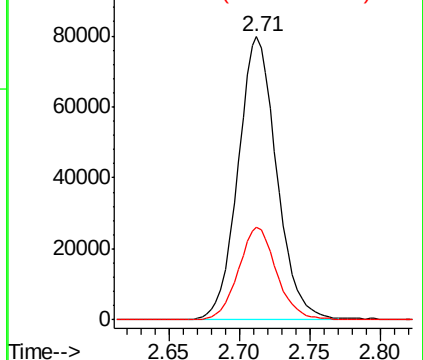
64 100

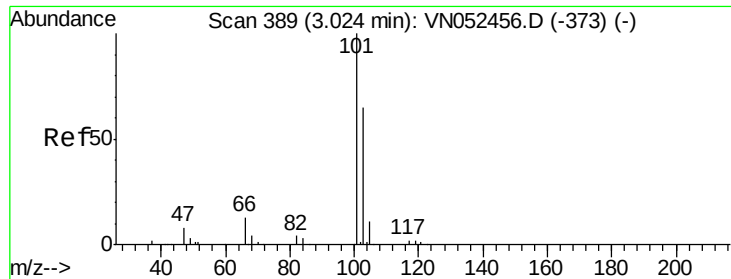
66 32.9 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

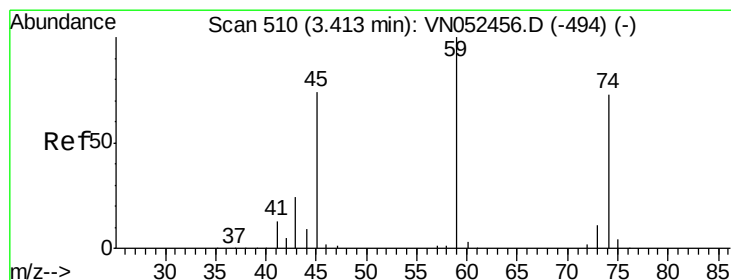
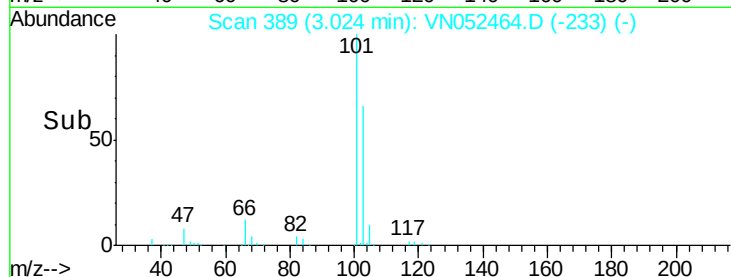
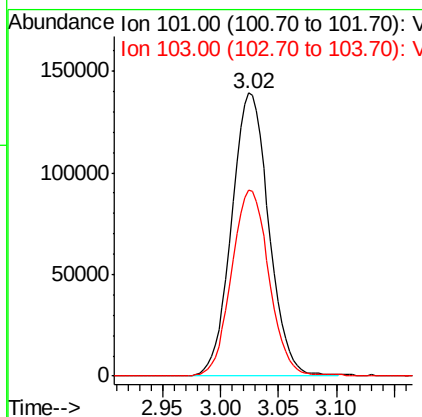
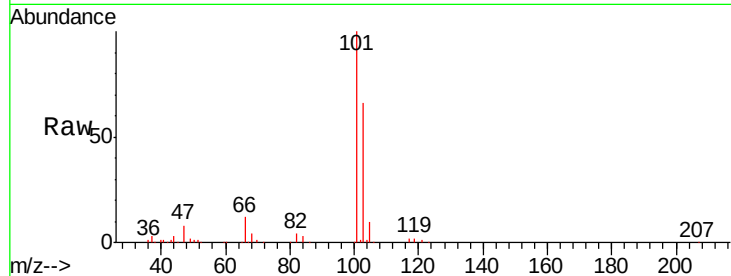
Trichlorofluoromethane
Concen: 19.33 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.1	78.1

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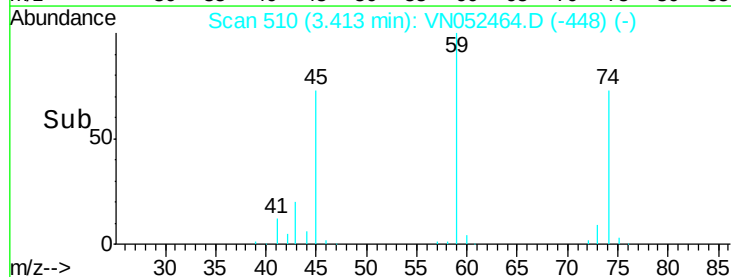
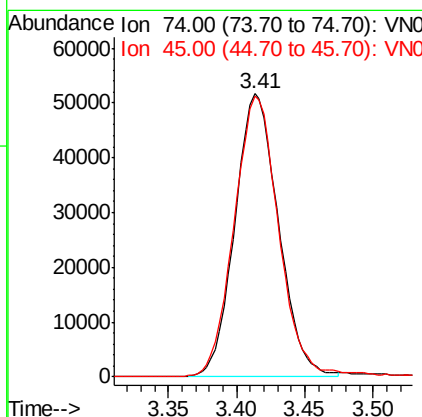
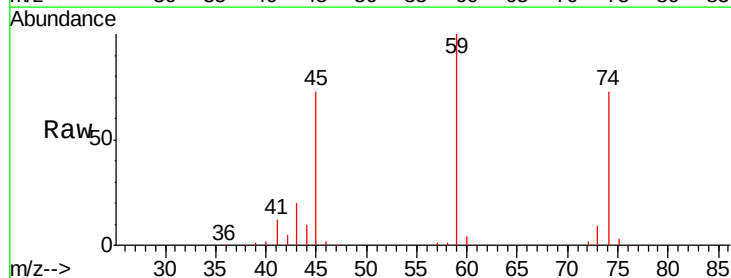
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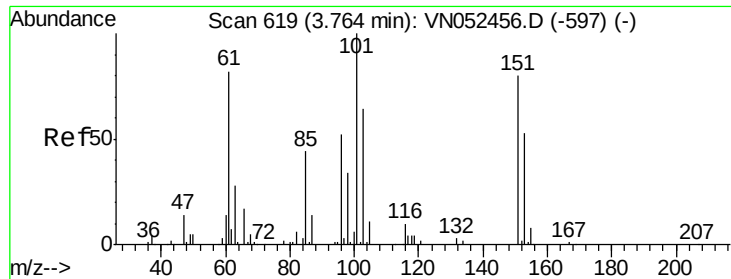


#8

Diethyl Ether
Concen: 19.39 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.2	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.18 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

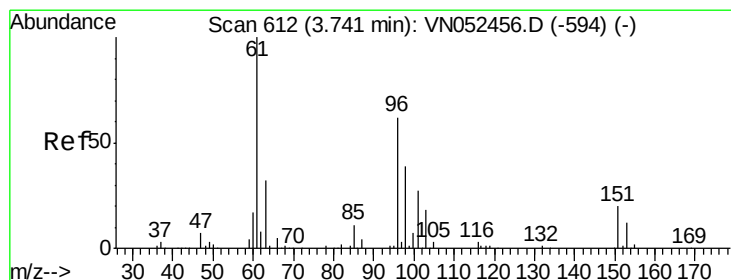
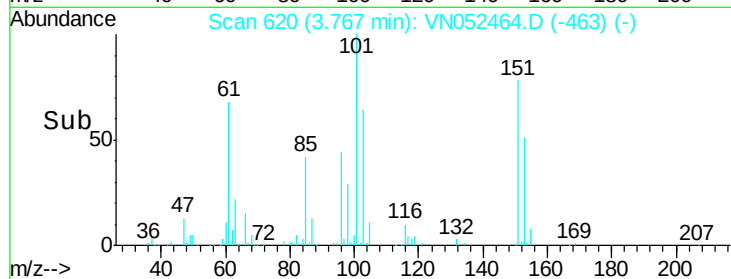
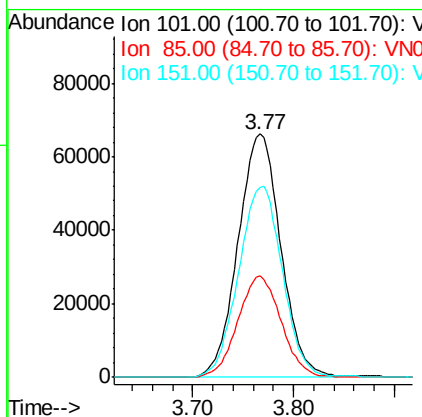
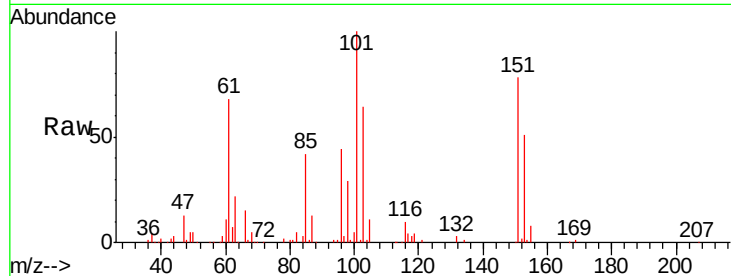
ClientSampleId :

VN1126WBSD01

Tgt Ion:	101	Resp:	194873
Ion Ratio	Lower	Upper	
101	100		
85	42.1	0.0	82.6
151	80.6	0.0	158.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.37 ug/l

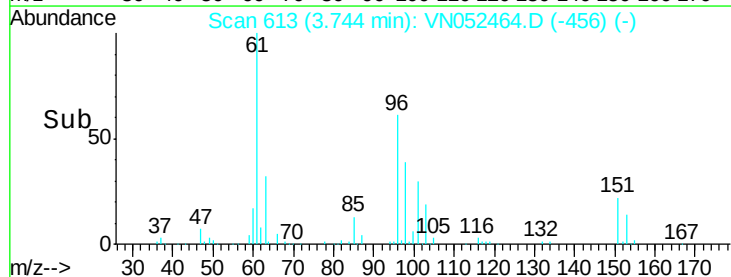
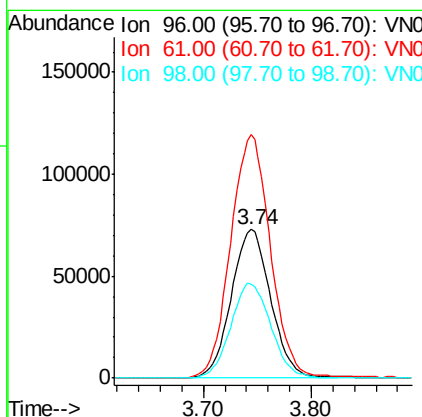
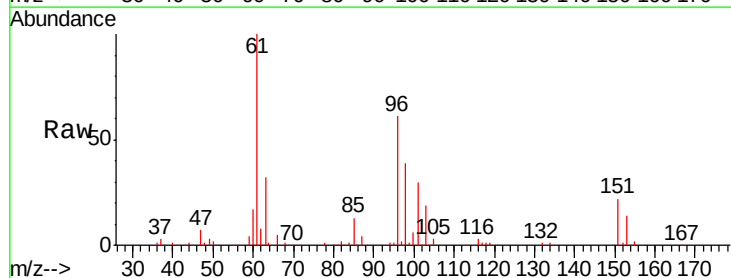
RT: 3.74 min Scan# 613

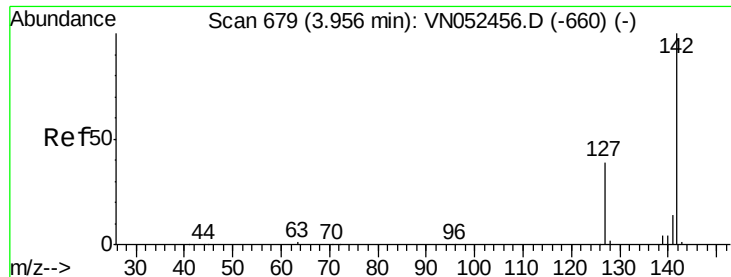
Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Tgt Ion:	96	Resp:	185064
Ion Ratio	Lower	Upper	
96	100		
61	163.1	129.4	194.2
98	63.5	50.4	75.6





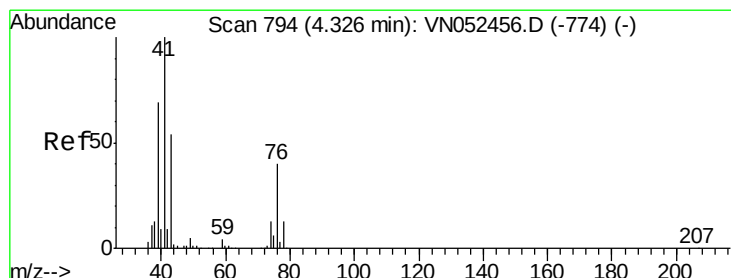
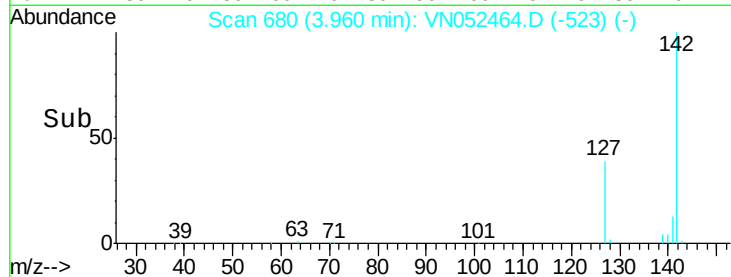
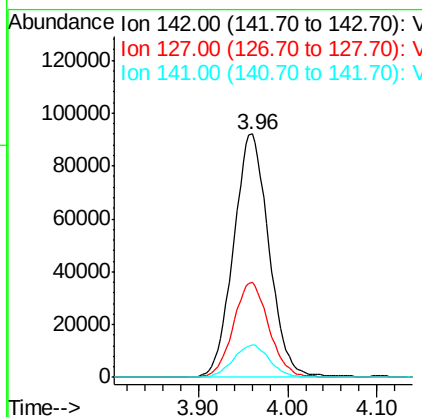
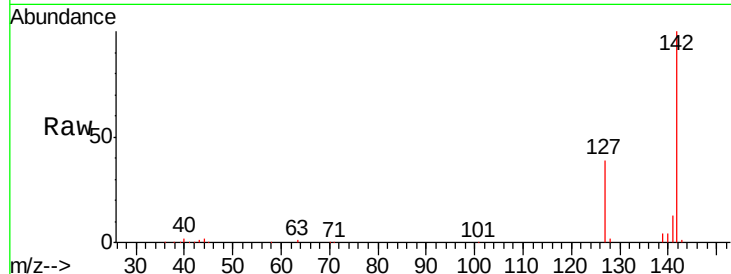
#11
Methyl Iodide
Concen: 19.12 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBSD01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.0	19.4	58.1
141	13.5	7.2	21.6

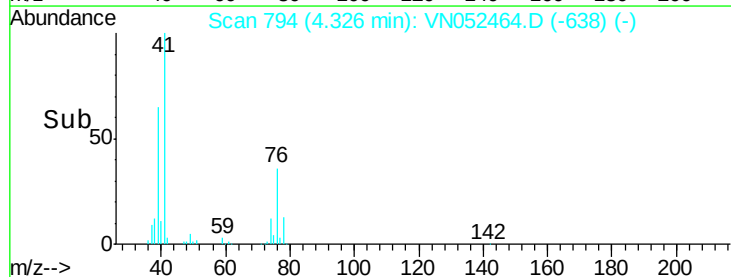
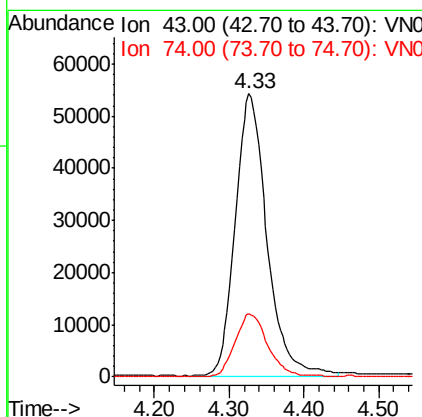
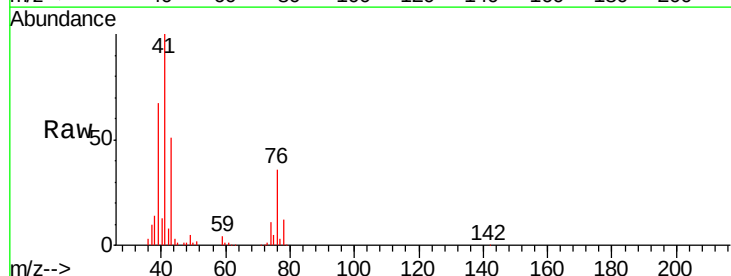
Manual Integrations
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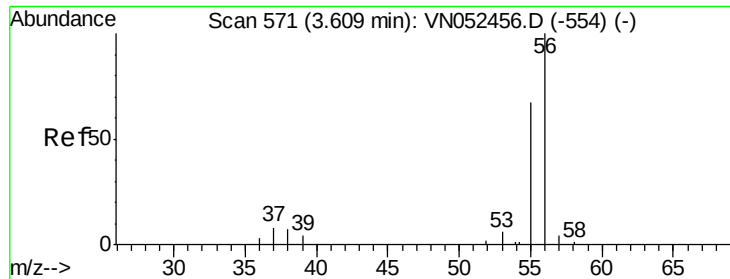
MMDadoda
11/27/2018 3:52:15 PM



#12
Methyl Acetate
Concen: 19.62 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.9	28.3





#13

Acrolein

Concen: 96.60 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBSD01

Tgt Ion: 56 Resp: 92093

Ion Ratio Lower Upper

56 100

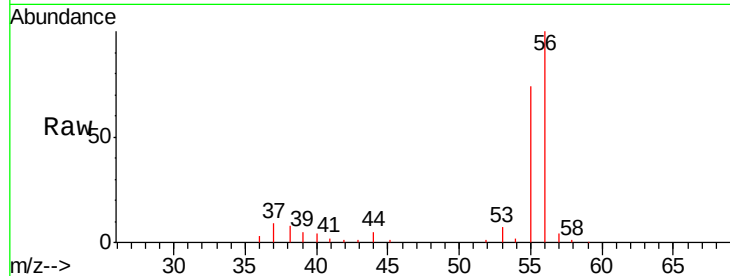
55 70.9 56.7 85.1

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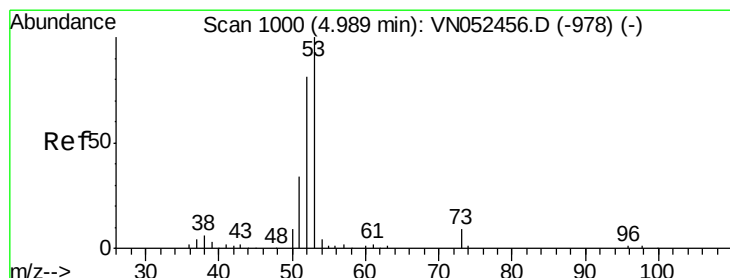
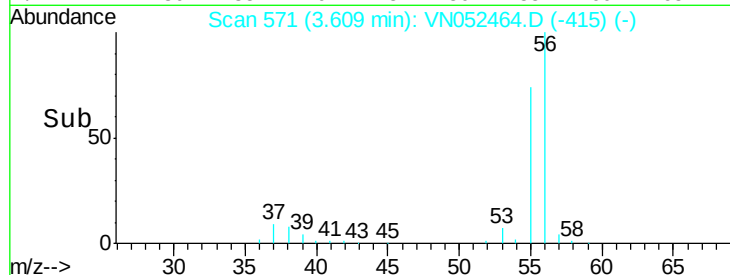
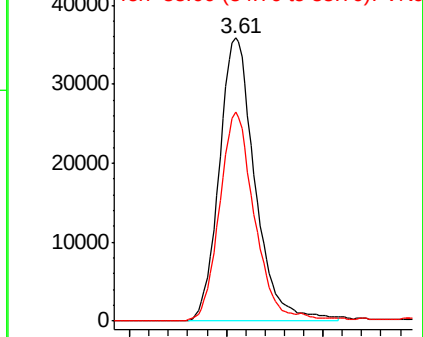
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 98.41 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

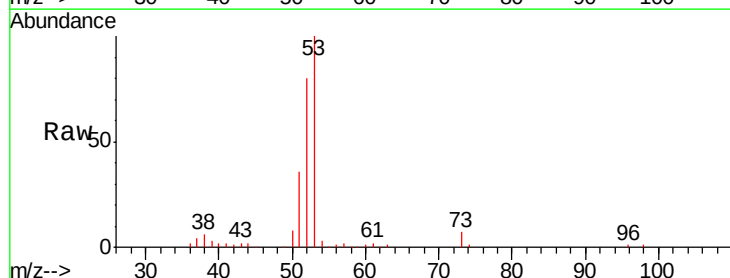
Tgt Ion: 53 Resp: 340307

Ion Ratio Lower Upper

53 100

52 81.0 39.9 119.7

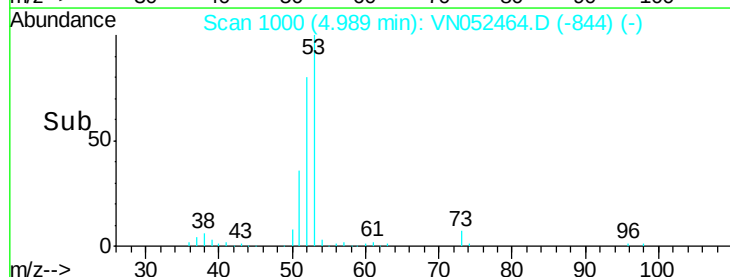
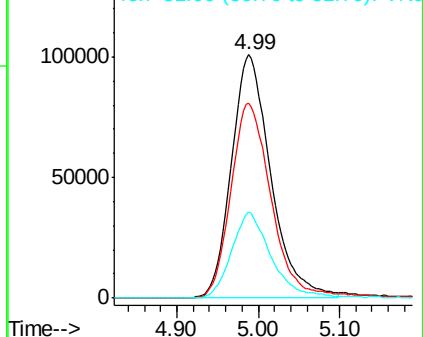
51 35.2 17.6 52.9

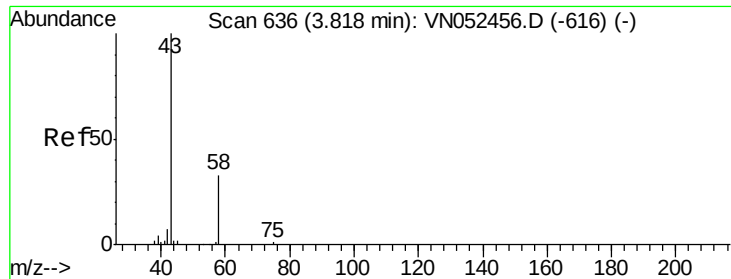


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 87.62 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBSD01

Tgt Ion: 58 Resp: 78470

Ion Ratio Lower Upper

58 100

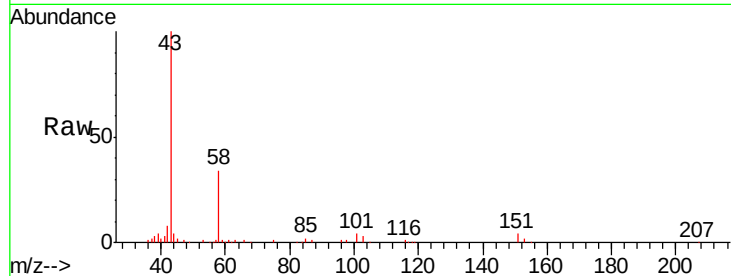
43 291.8 243.6 365.4

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

100000

80000

60000

40000

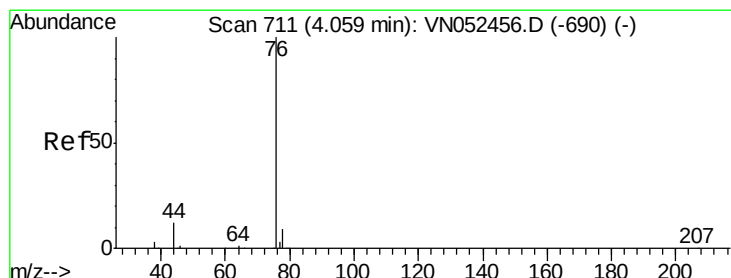
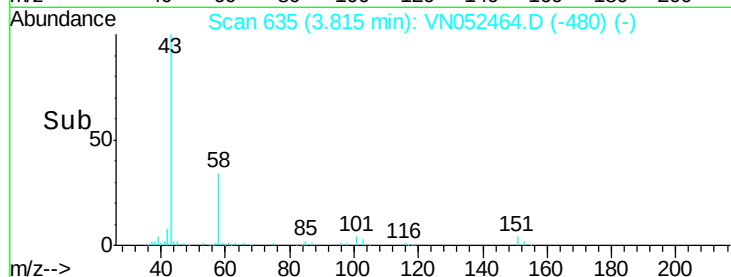
20000

0

3.75 3.80 3.85 3.90

3.82

Time-->



#16

Carbon Disulfide

Concen: 18.70 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052464.D

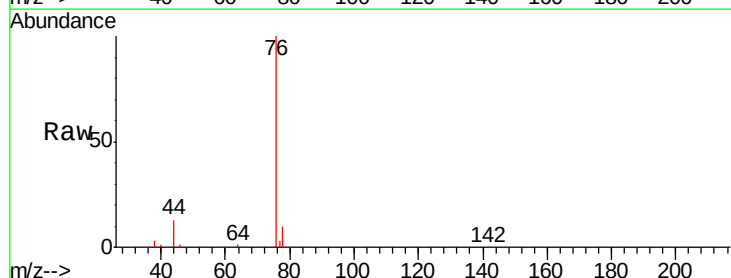
Acq: 26 Nov 2018 17:38

Tgt Ion: 76 Resp: 565512

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

250000

200000

150000

100000

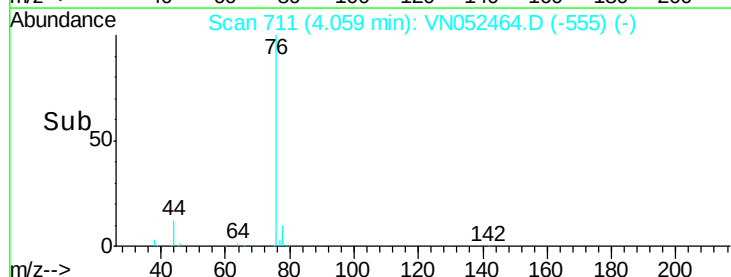
50000

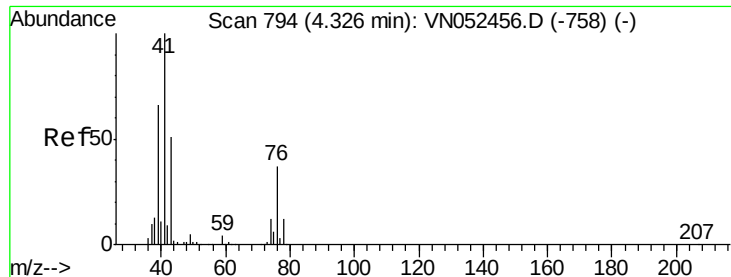
0

4.00 4.10

4.06

Time-->





#17

Allyl chloride

Concen: 19.69 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

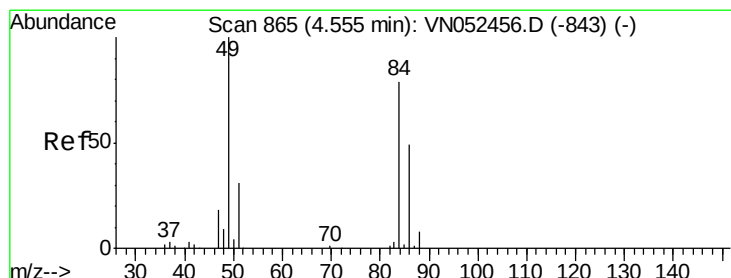
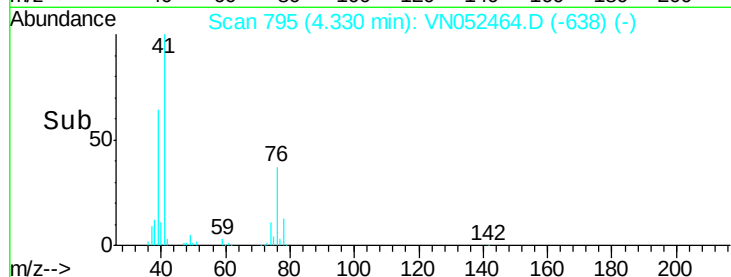
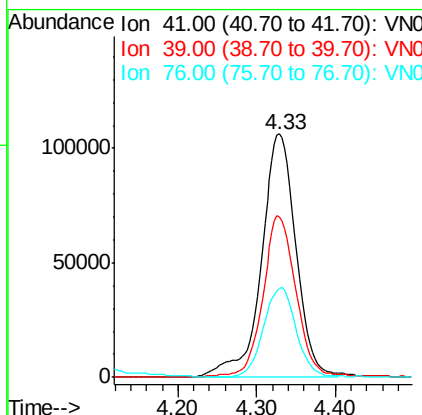
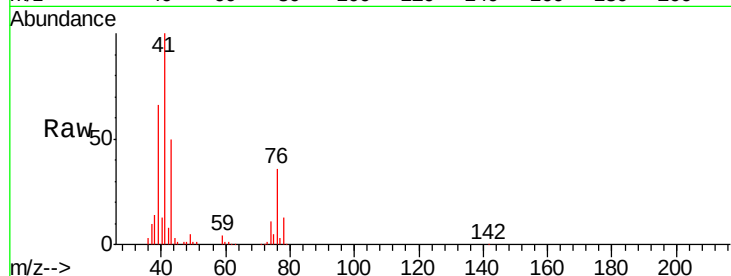
ClientSampleId :

VN1126WBSD01

Tgt Ion:	41	Resp:	328094
Ion	Ratio	Lower	Upper
41	100		
39	66.0	32.8	98.3
76	36.0	18.6	55.8

Manual Integrations
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#18

Methylene Chloride

Concen: 19.72 ug/l

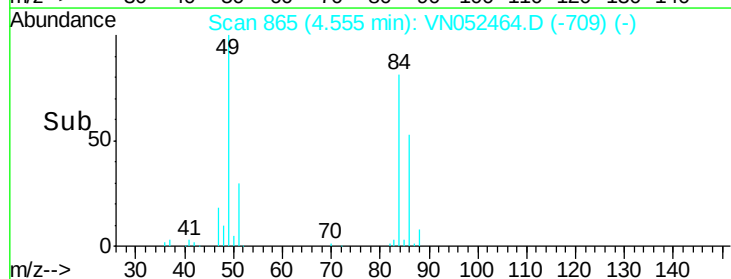
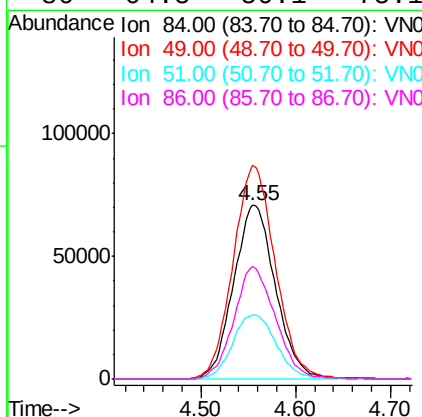
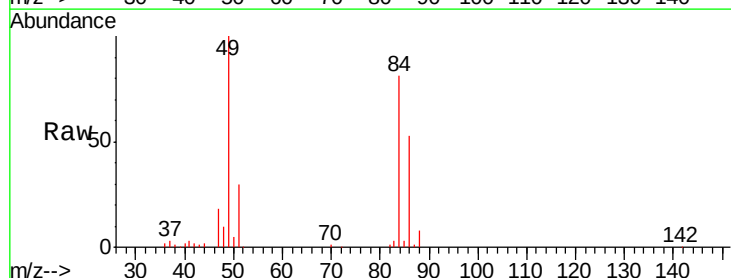
RT: 4.55 min Scan# 865

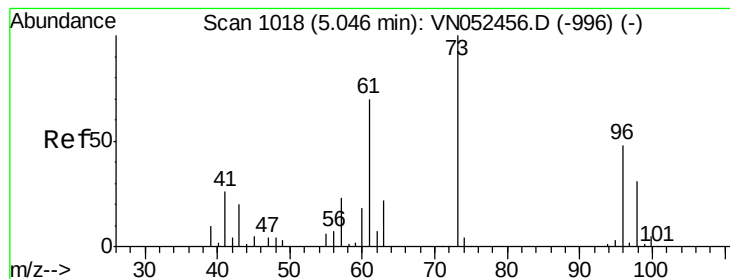
Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Tgt Ion:	84	Resp:	218103
Ion	Ratio	Lower	Upper
84	100		
49	122.5	101.4	152.0
51	36.6	31.7	47.5
86	64.5	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 19.74 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBSD01

Tgt Ion: 96 Resp: 202973

Ion Ratio Lower Upper

96 100

61 139.6 118.2 177.4

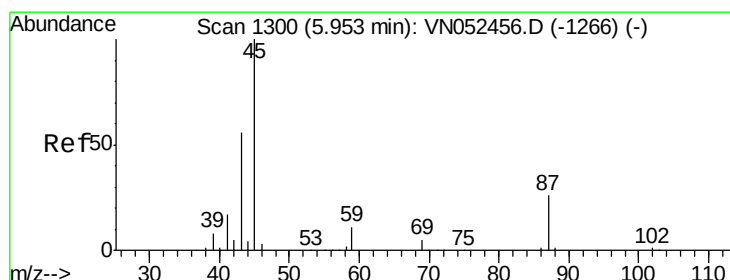
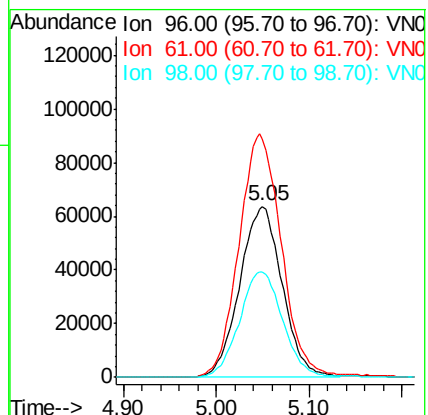
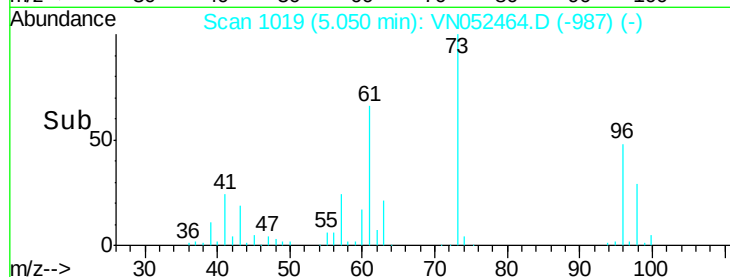
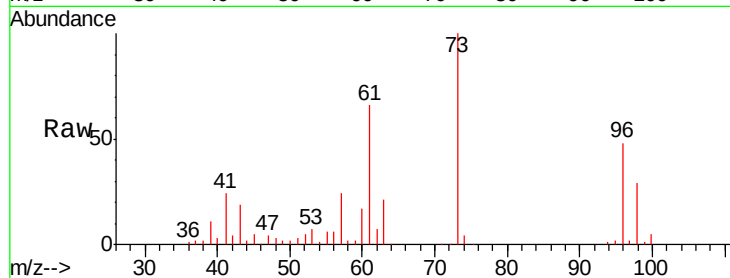
98 61.4 51.4 77.2

Manual Integrations

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#20

Diisopropyl ether

Concen: 19.72 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Tgt Ion: 45 Resp: 690240

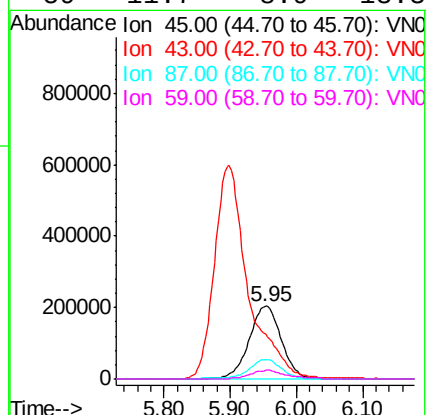
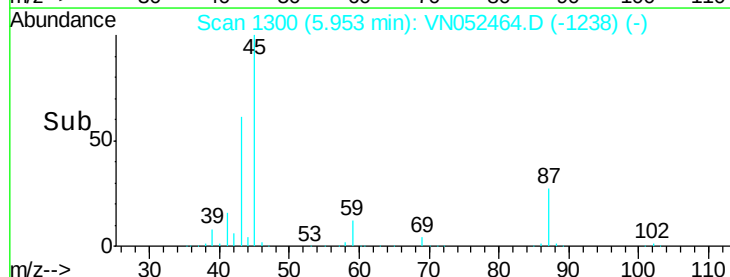
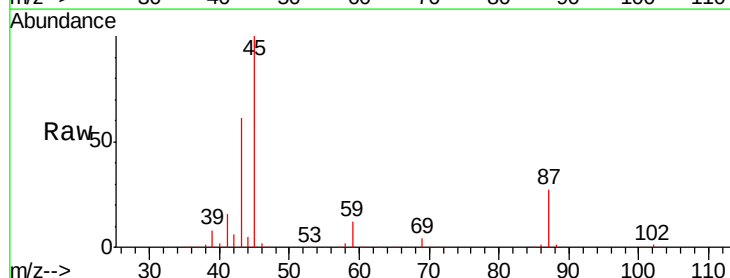
Ion Ratio Lower Upper

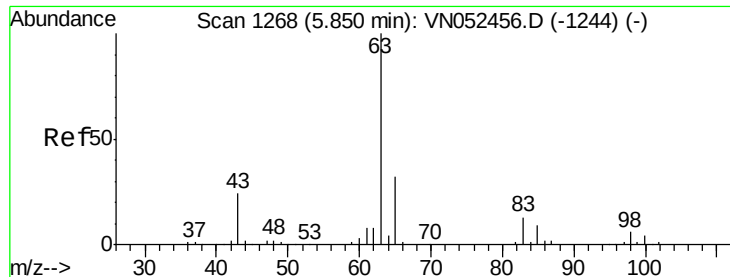
45 100

43 59.8 47.8 71.8

87 26.9 21.3 31.9

59 11.7 8.9 13.3





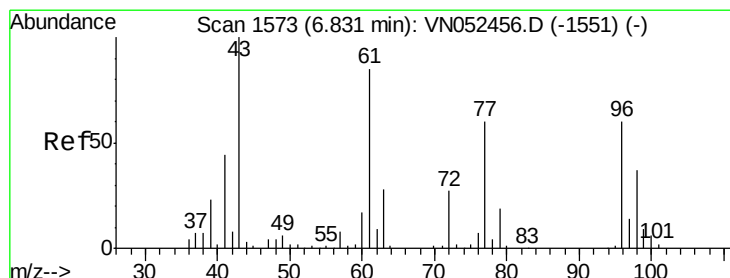
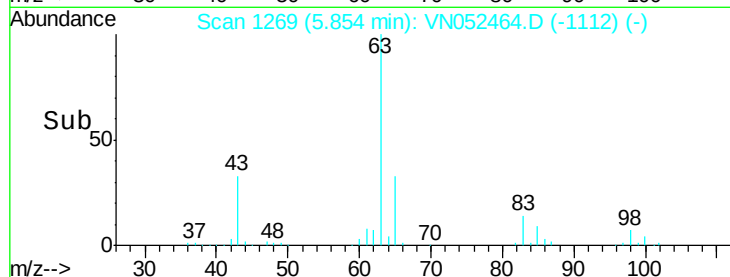
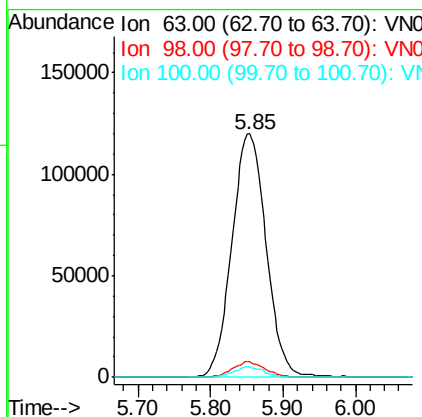
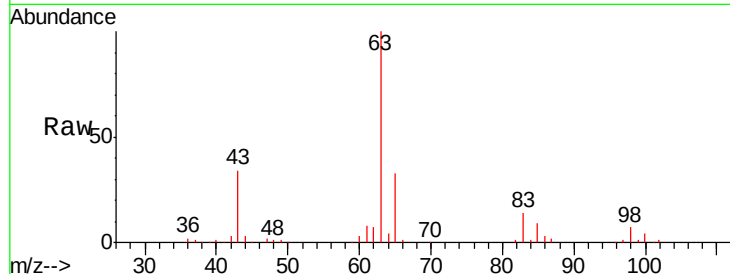
#21
 1,1-Dichloroethane
 Concen: 19.80 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	6.6	3.0	9.2
100	4.4	1.8	5.5

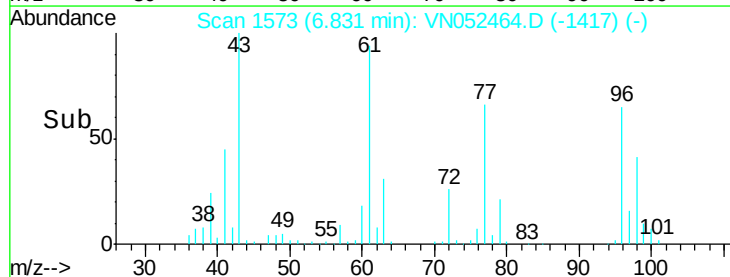
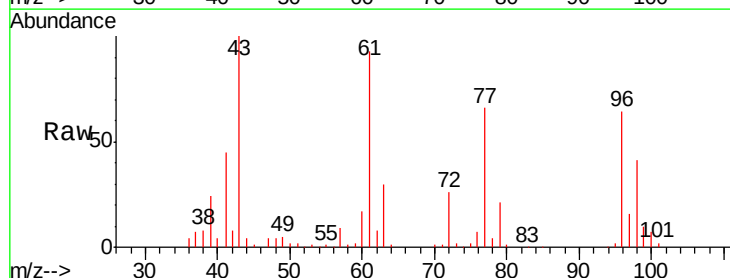
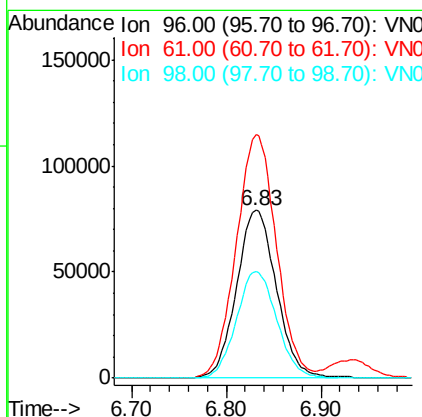
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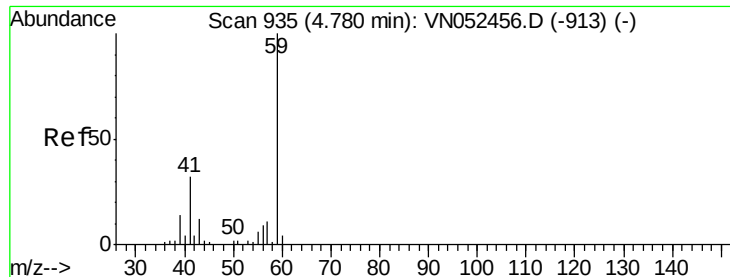
MMDadoda
 11/27/2018 3:52:15 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.62 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	146.2	116.7	175.1
98	64.6	50.8	76.2





#23

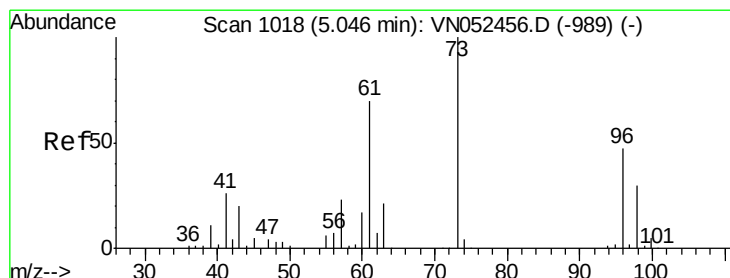
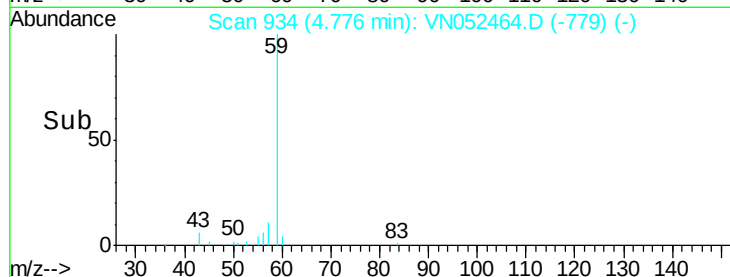
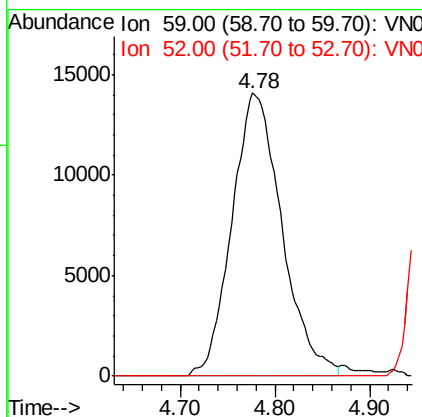
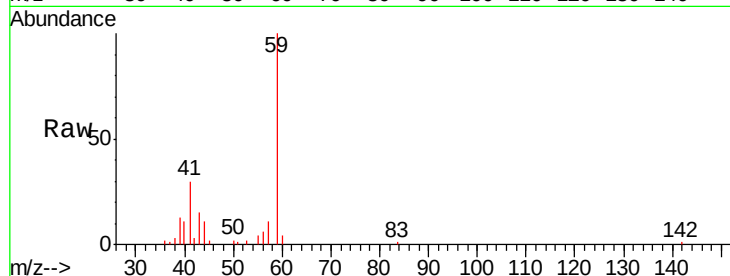
tert-Butyl Alcohol
 Concen: 100.53 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBSD01

Tgt Ion: 59 Resp: 51718
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

Manual Integrations
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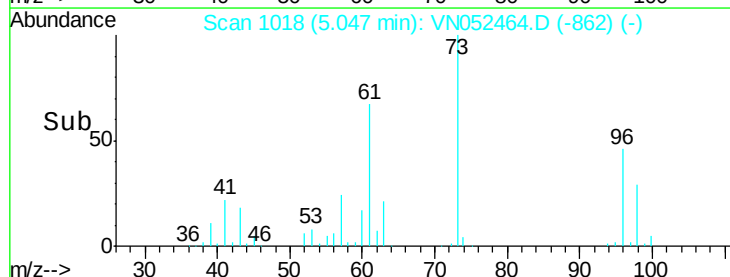
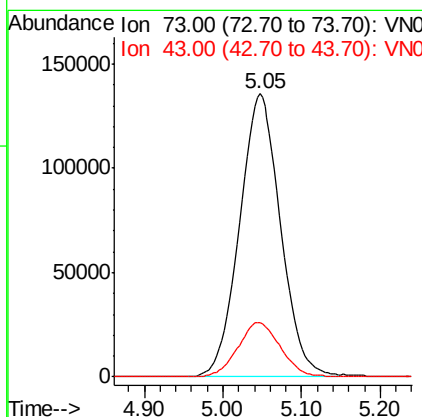
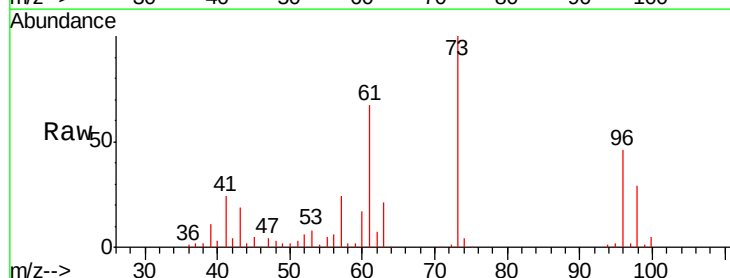
MMDadoda
 11/27/2018 3:52:15 PM

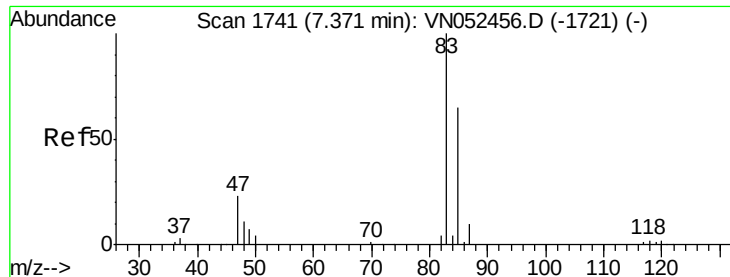


#24

Methyl tert-Butyl Ether
 Concen: 19.81 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion: 73 Resp: 496328
 Ion Ratio Lower Upper
 73 100
 43 19.7 15.8 23.8





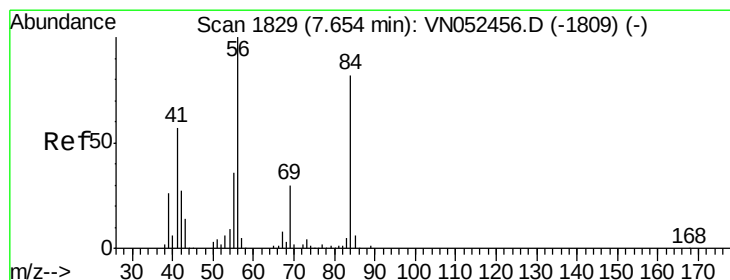
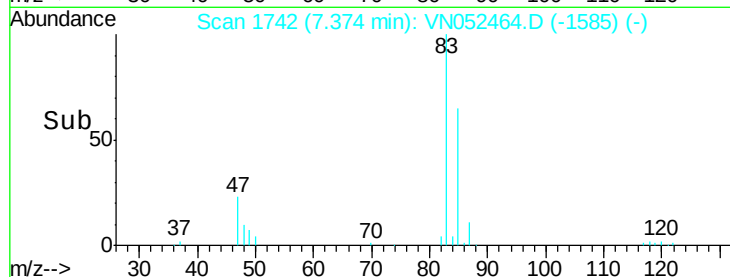
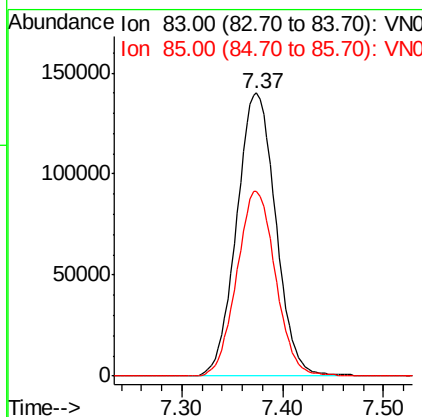
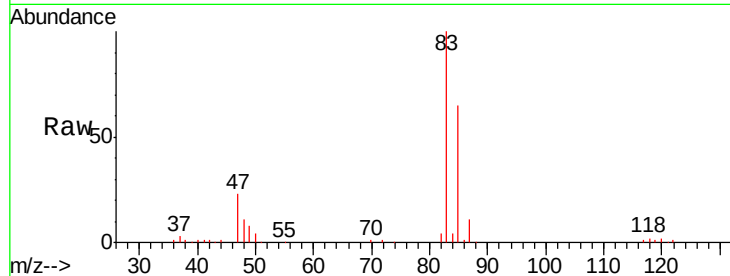
#25
Chloroform
Concen: 19.52 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBSD01

Tgt Ion: 83 Resp: 375710
Ion Ratio Lower Upper
83 100
85 65.4 51.7 77.5

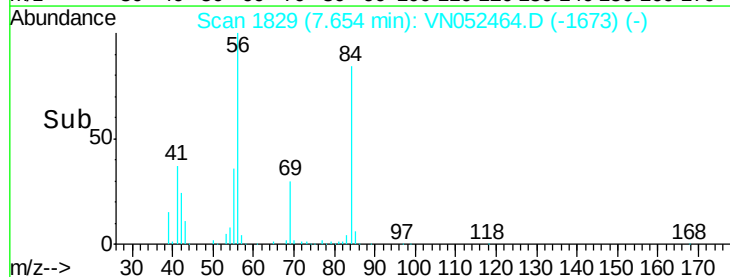
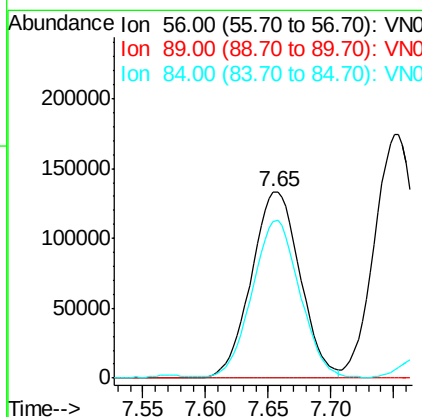
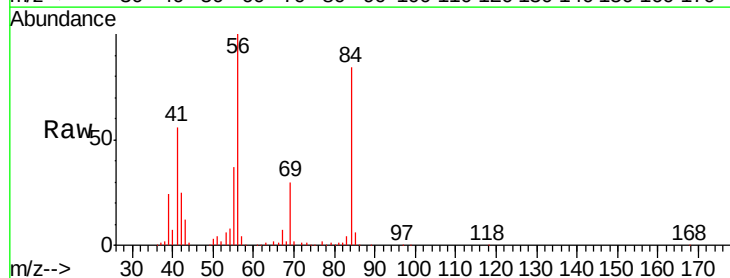
Manual Integrations
APPROVED

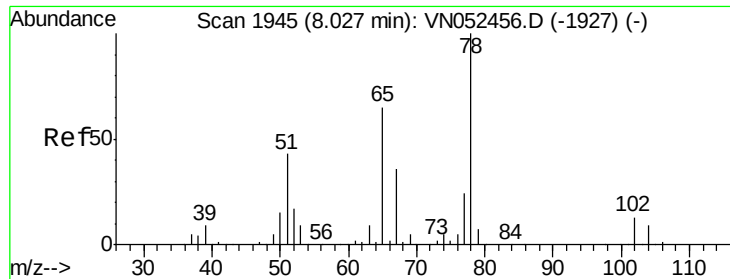
MMDadoda
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#26
Cyclohexane
Concen: 19.18 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion: 56 Resp: 361011
Ion Ratio Lower Upper
56 100
89 0.3 0.5 0.7#
84 83.1 66.2 99.2





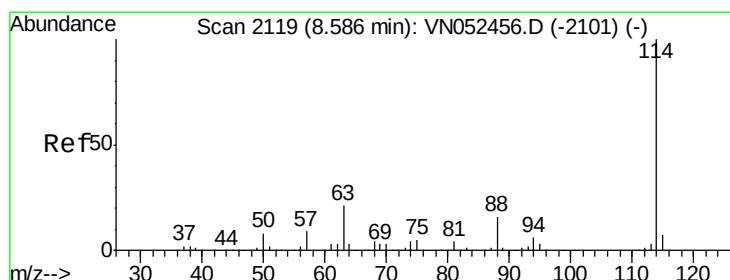
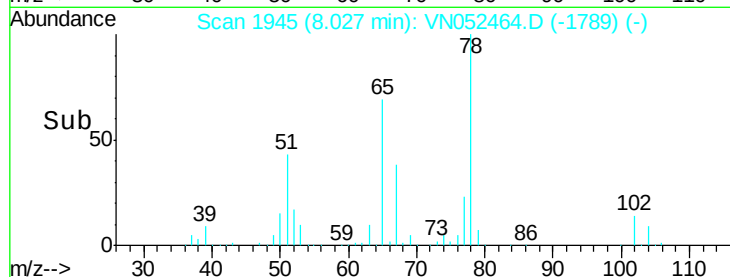
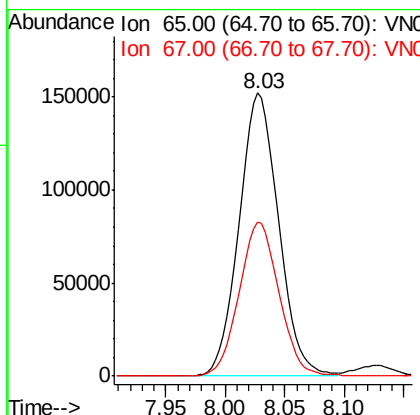
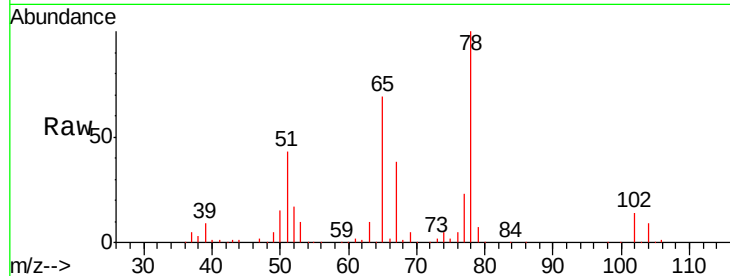
#27
 1,2-Dichloroethane-d4
 Concen: 19.18 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBSD01

Tgt Ion: 65 Resp: 350173
 Ion Ratio Lower Upper
 65 100
 67 54.9 44.6 66.8

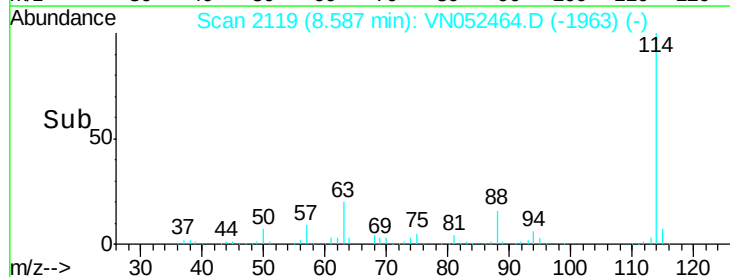
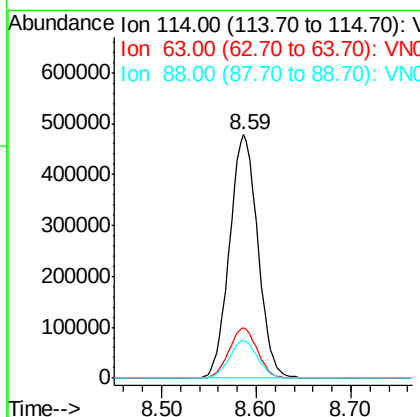
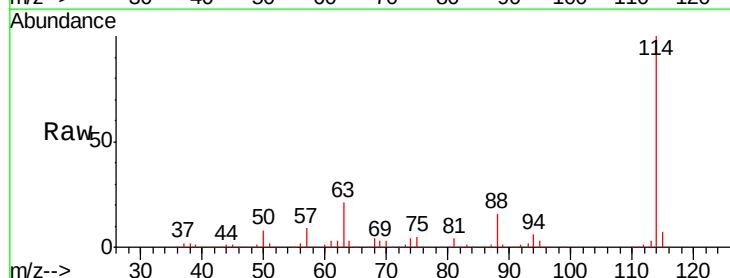
Manual Integrations
 APPROVED

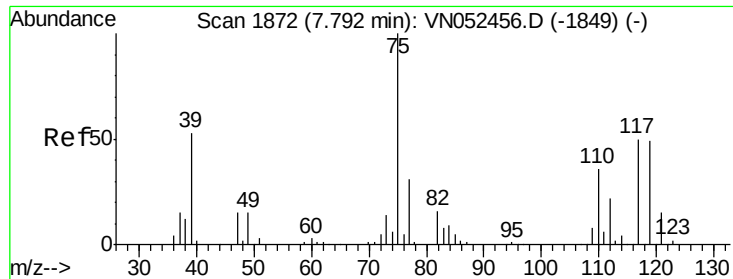
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion: 114 Resp: 992936
 Ion Ratio Lower Upper
 114 100
 63 20.7 16.9 25.3
 88 15.5 12.8 19.2





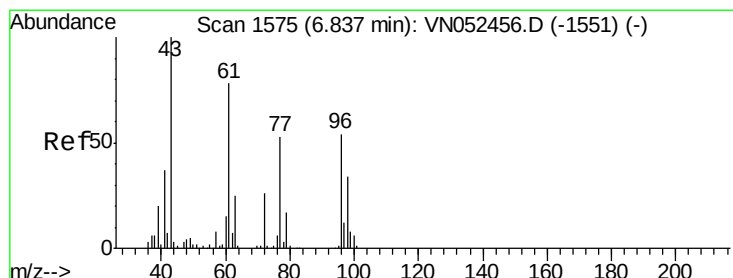
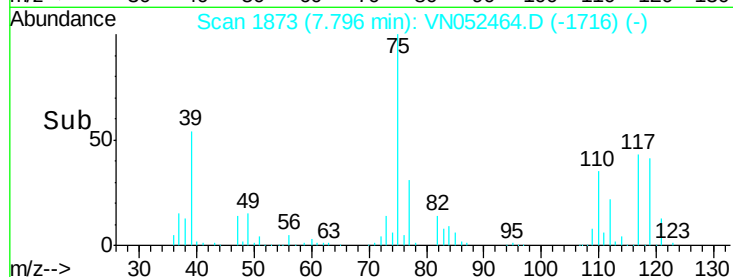
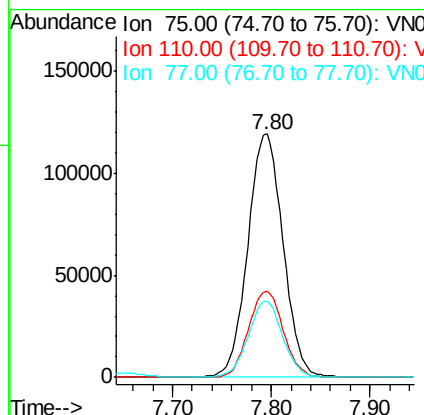
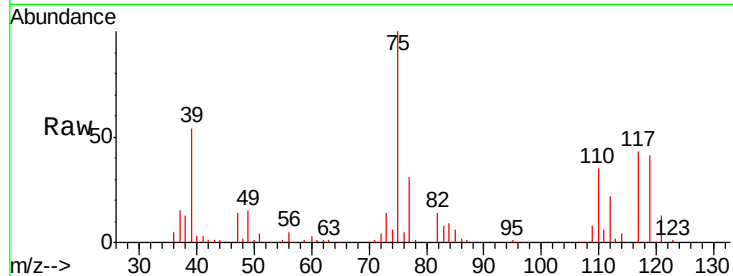
#29
 1,1-Dichloropropene
 Concen: 19.41 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBSD01

Tgt Ion	Ratio	Resp Lower	Upper
75	100		
110	34.9	0.0	70.2
77	30.7	0.0	62.6

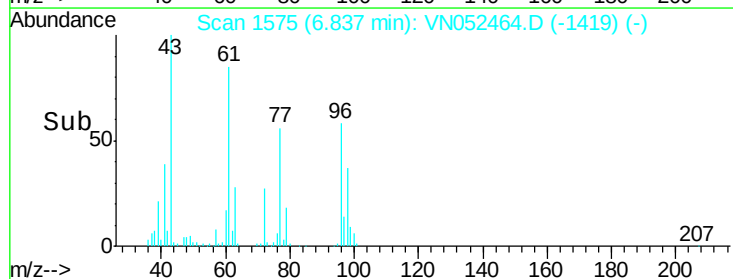
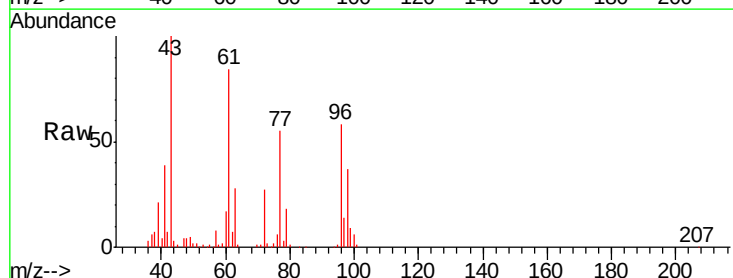
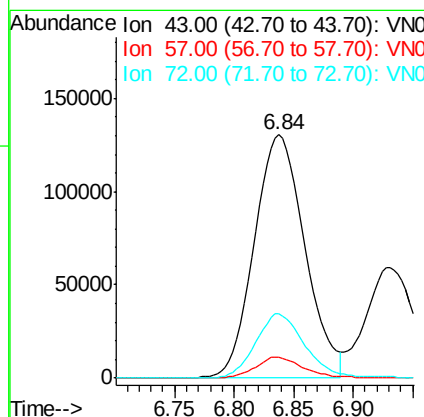
Manual Integrations
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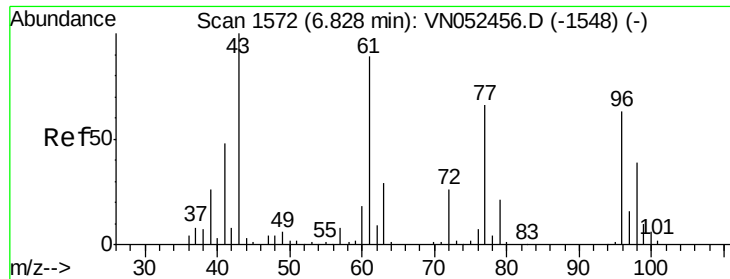
MMDadoda
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#30
 2-Butanone
 Concen: 93.91 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.2	9.4
72	26.1	21.0	31.6





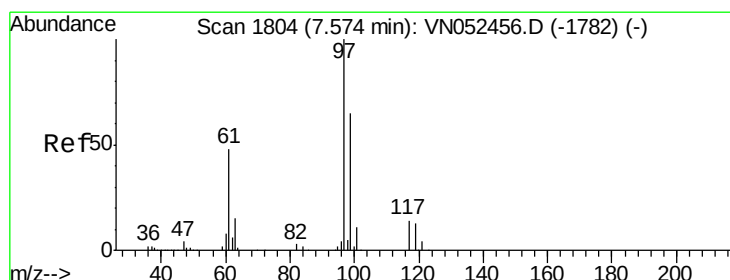
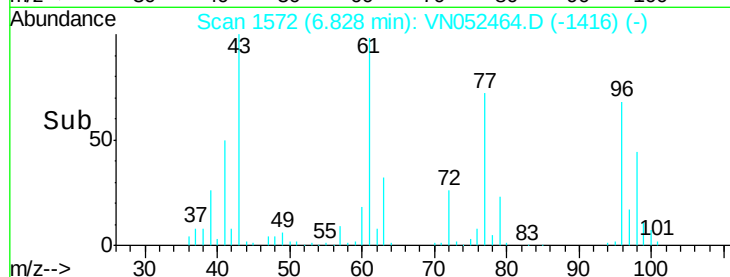
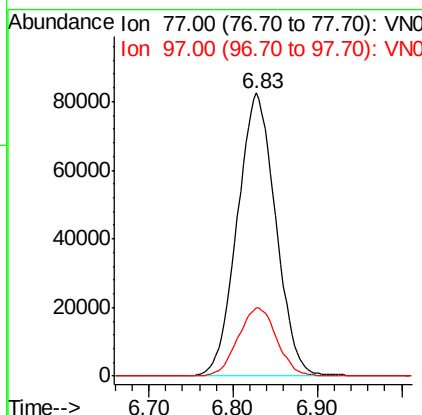
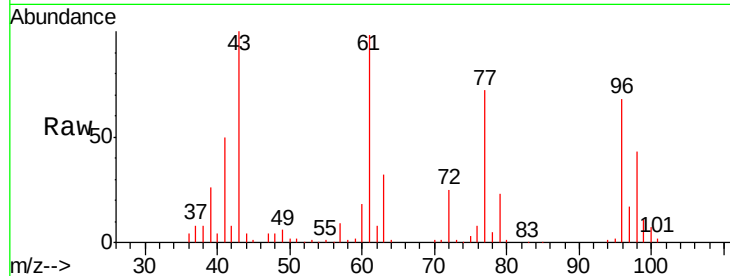
#31
 2,2-Dichloropropane
 Concen: 18.71 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBSD01

Tgt Ion: 77 Resp: 261150
 Ion Ratio Lower Upper
 77 100
 97 24.3 18.7 28.1

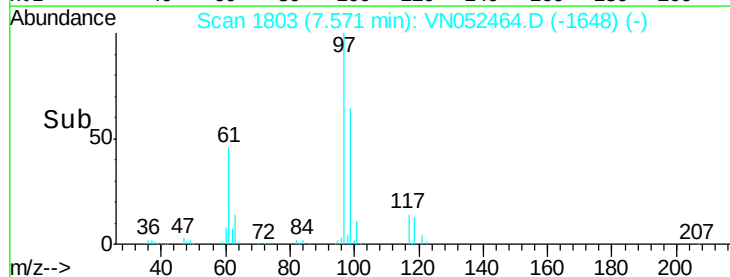
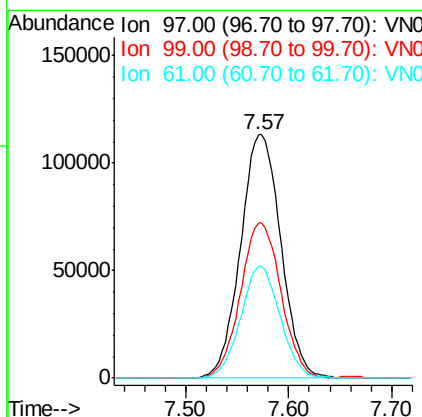
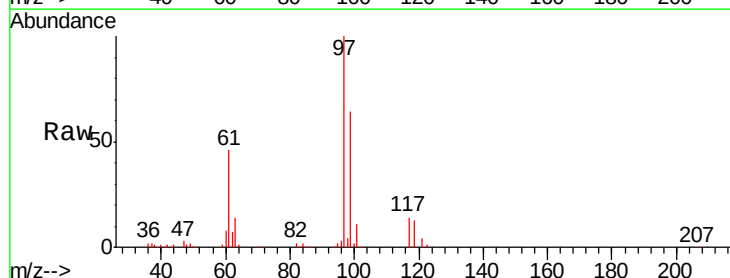
Manual Integrations
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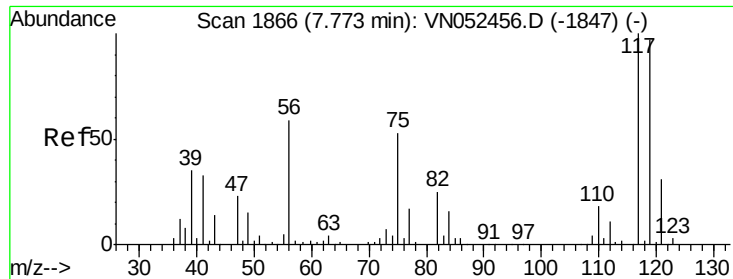
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#32
 1,1,1-Trichloroethane
 Concen: 19.53 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion: 97 Resp: 308107
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.9 76.3
 61 44.9 38.1 57.1





#33

Carbon Tetrachloride

Concen: 19.11 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

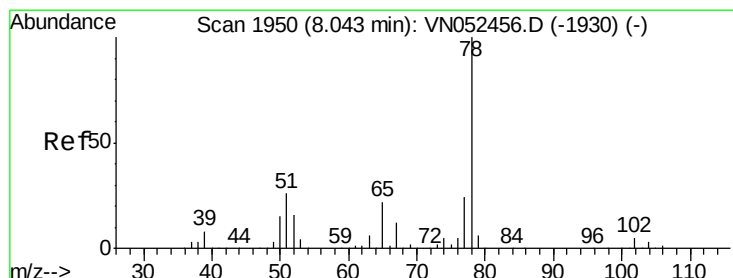
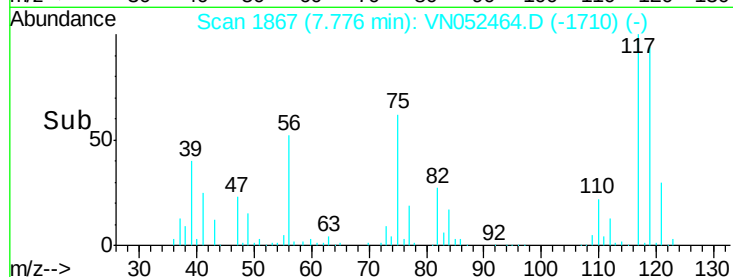
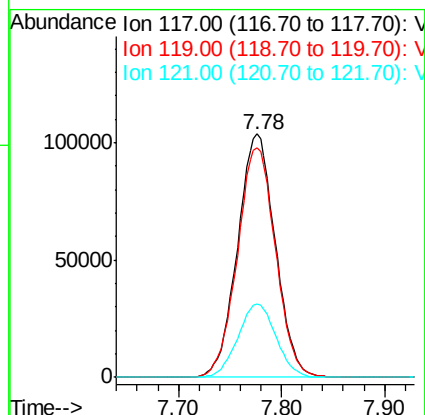
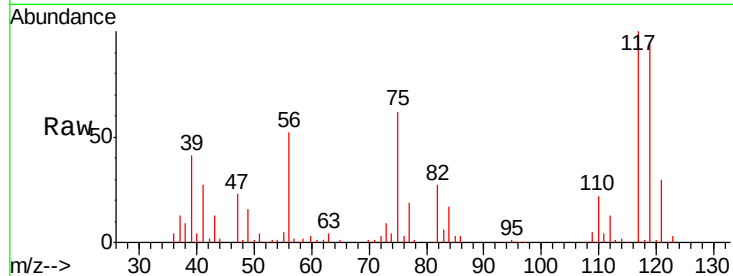
ClientSampleId :

VN1126WBSD01

Tgt Ion:	117	Resp:	263803
Ion Ratio	Lower	Upper	
117	100		
119	94.3	77.3	115.9
121	30.4	24.9	37.3

Manual Integrations
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#34

Benzene

Concen: 19.42 ug/l

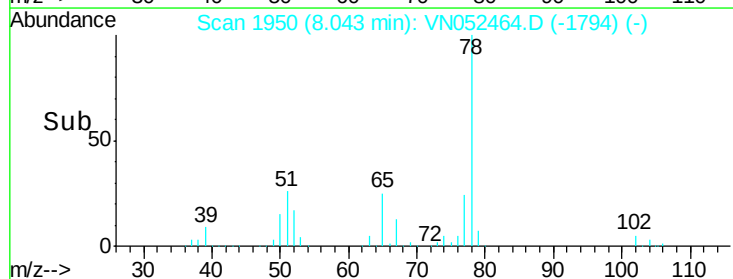
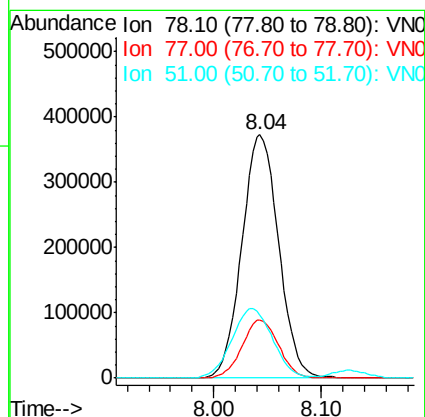
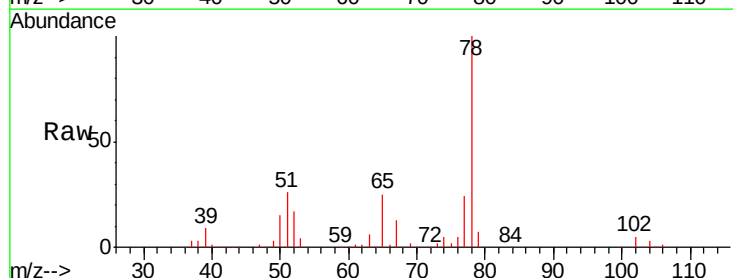
RT: 8.04 min Scan# 1950

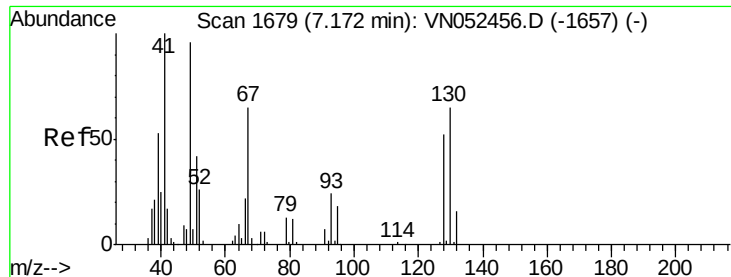
Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Tgt Ion:	78	Resp:	885347
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.0	28.6
51	25.9	20.5	30.7





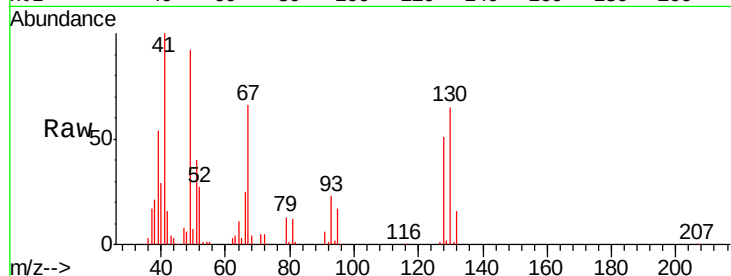
#35
Methacrylonitrile
Concen: 16.83 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBSD01

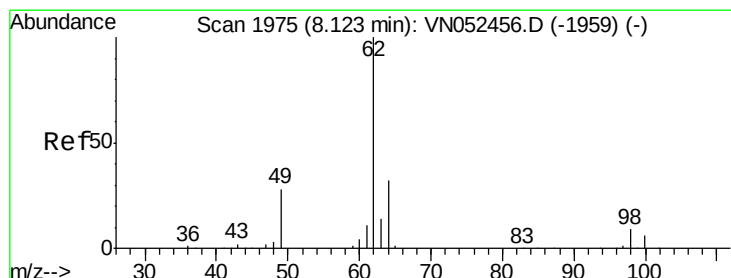
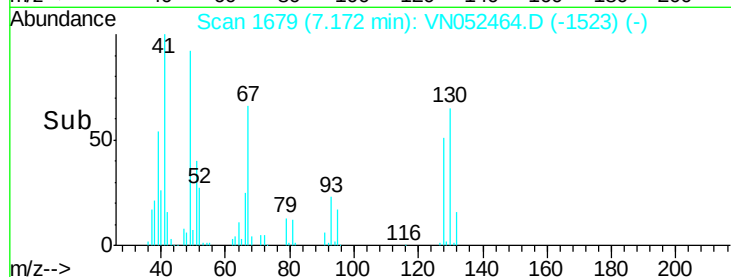
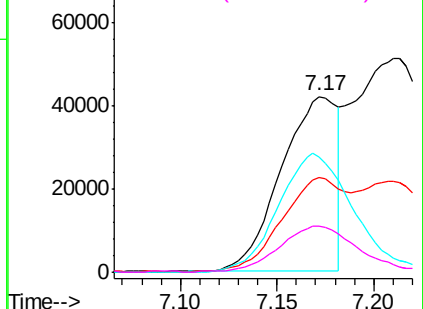
Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.1	26.6	79.7
67	66.0	32.3	96.9
52	26.6	13.0	38.9

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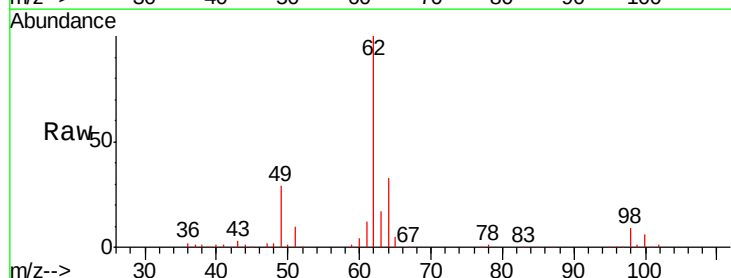


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

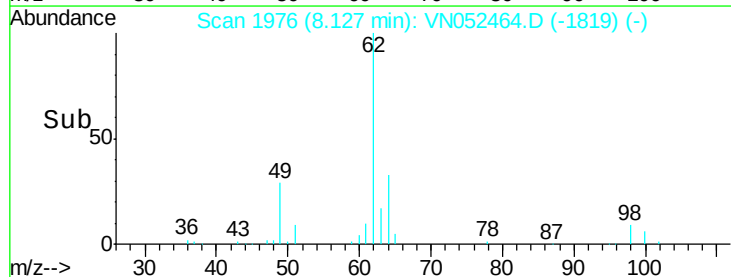
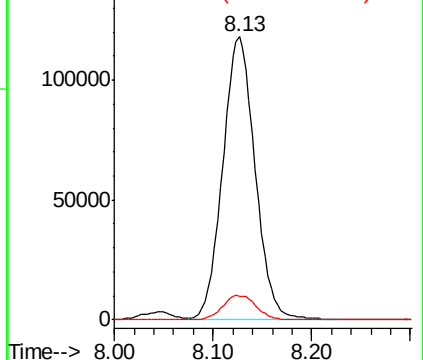


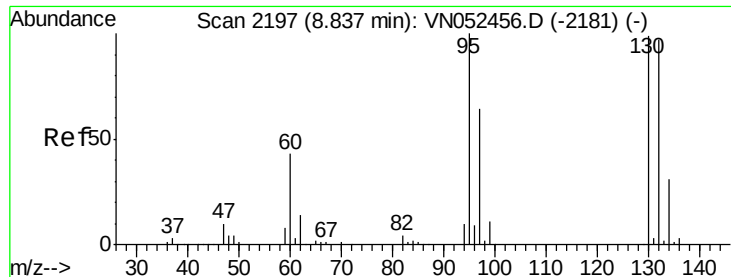
#36
1,2-Dichloroethane
Concen: 19.52 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.4	11.2



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 19.65 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBSD01

Tgt Ion:130 Resp: 227186

Ion Ratio Lower Upper

130 100

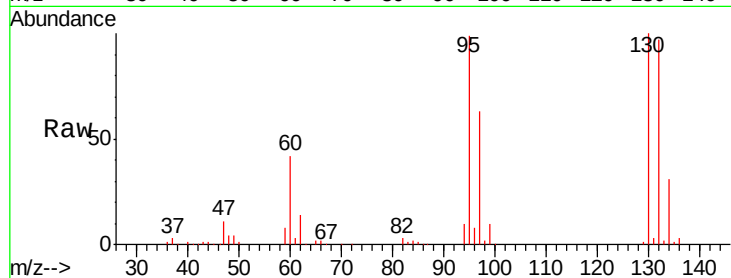
95 98.7 81.0 121.4

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

120000

100000

80000

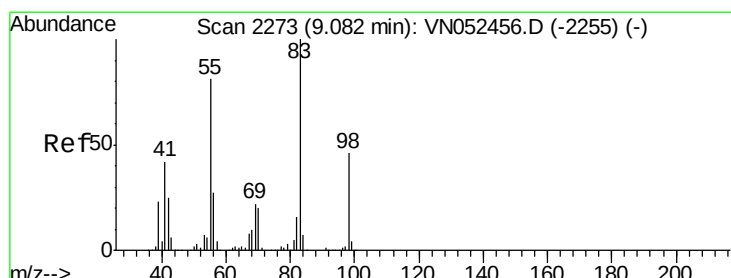
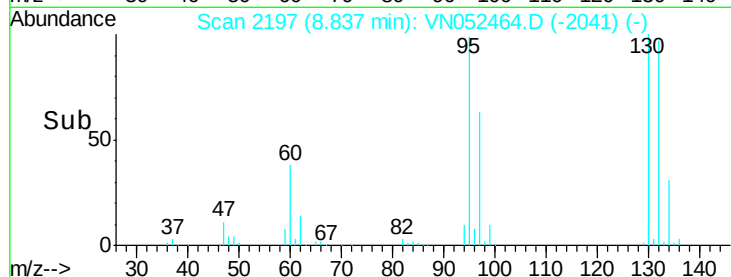
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 18.86 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

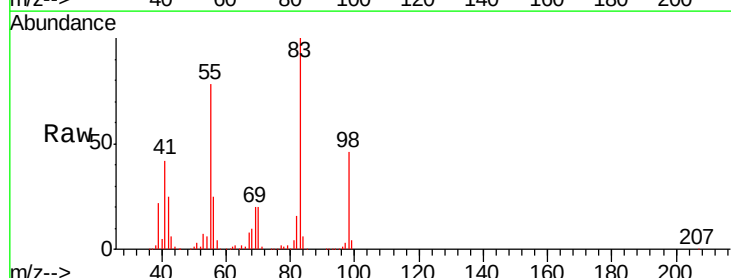
Tgt Ion: 83 Resp: 354094

Ion Ratio Lower Upper

83 100

55 78.2 39.8 119.4

98 45.7 22.9 68.5



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

9.08

200000

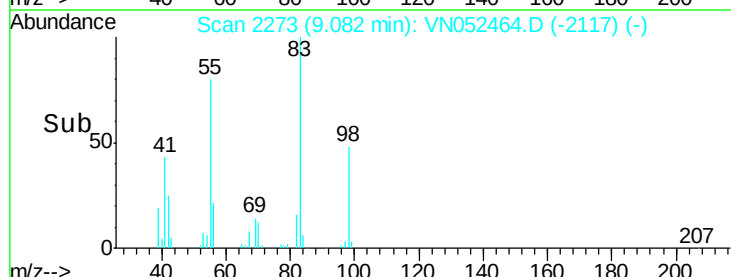
150000

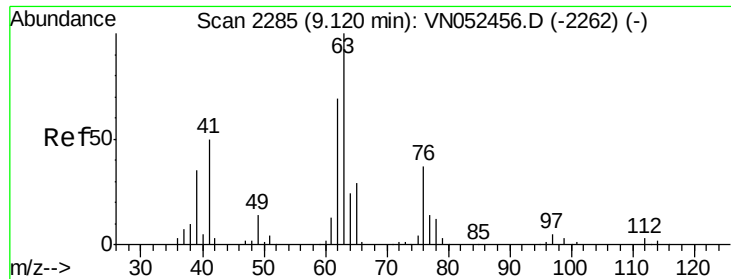
100000

50000

0

Time-->





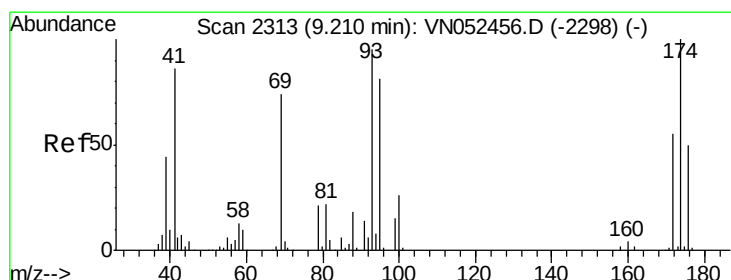
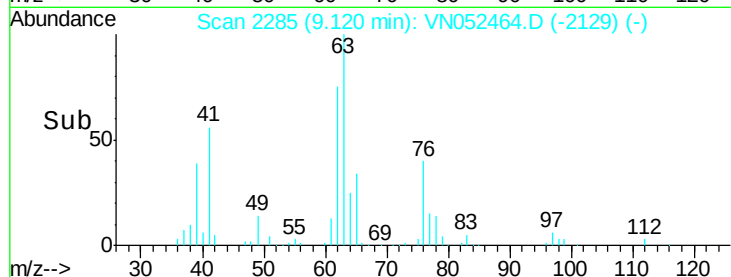
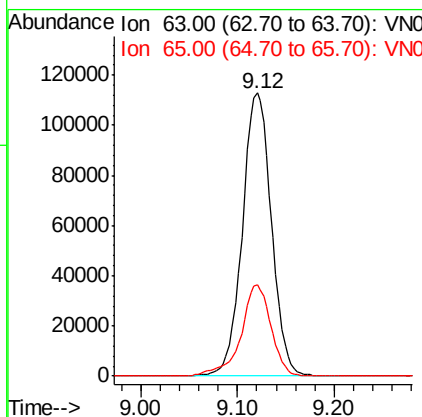
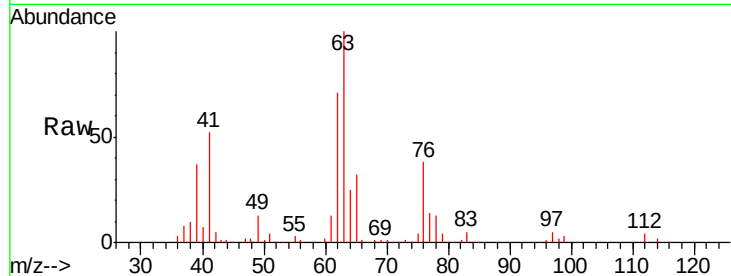
#39
 1,2-Dichloropropane
 Concen: 19.26 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBSD01

Tgt Ion: 63 Resp: 235370
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.6 35.4

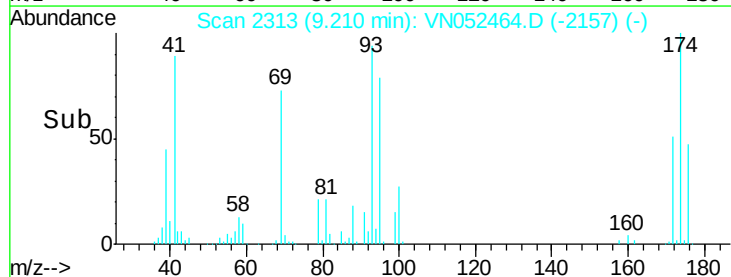
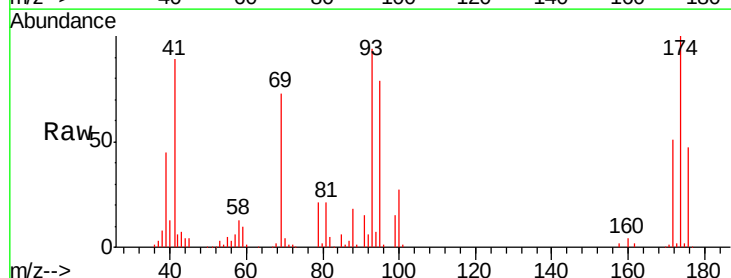
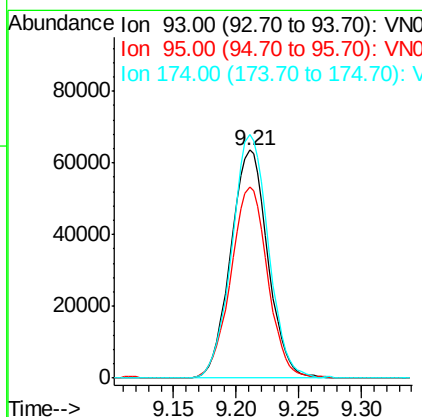
Manual Integrations
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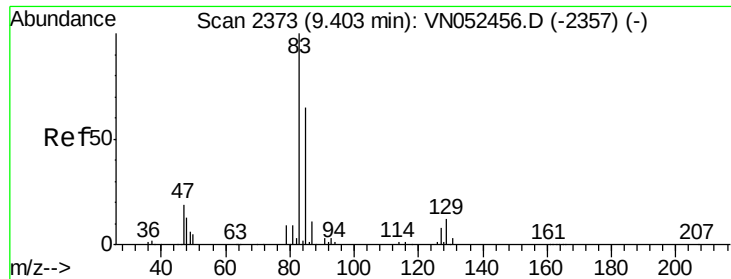
MMDadoda
 11/27/2018 3:52:15 PM



#40
 Dibromomethane
 Concen: 19.84 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion: 93 Resp: 131012
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 168.4
 174 105.2 0.0 210.0





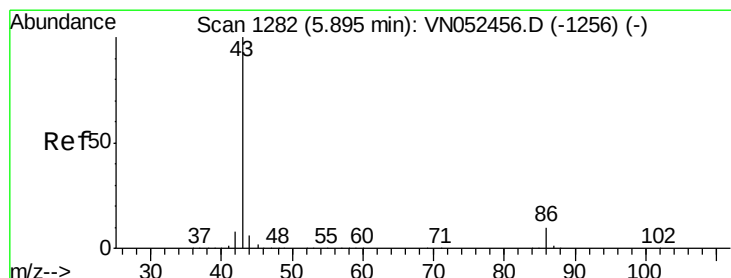
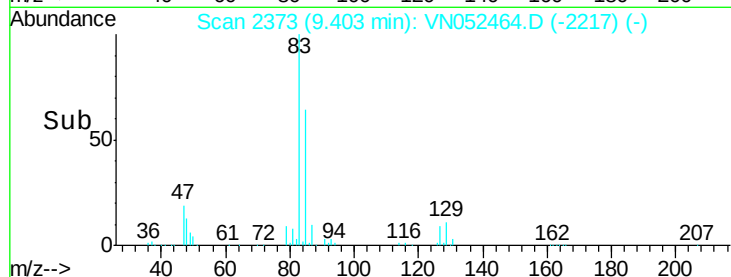
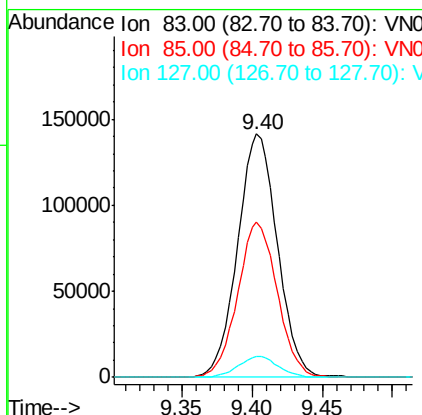
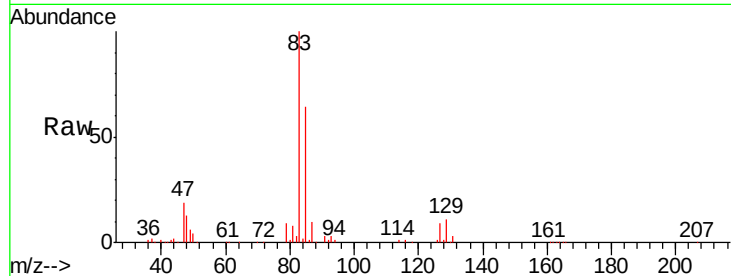
#41
Bromodichloromethane
Concen: 19.14 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.4	78.6
127	8.7	6.6	9.8

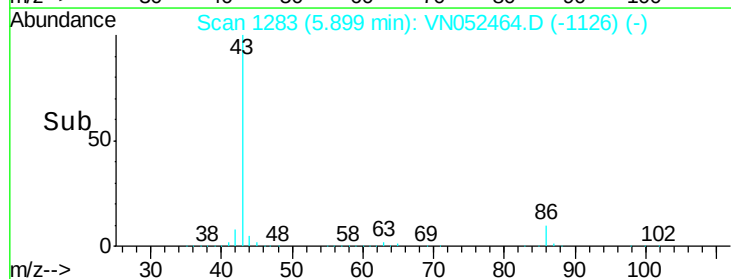
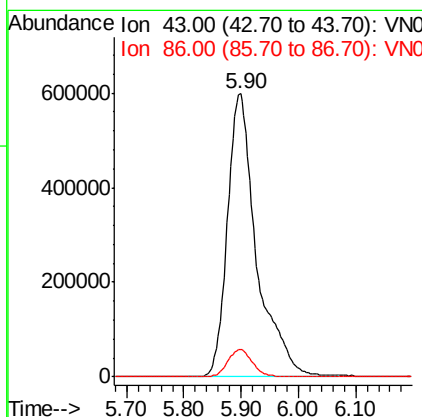
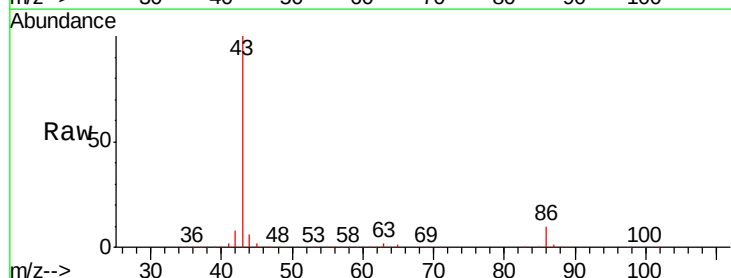
Manual Integrations
APPROVED

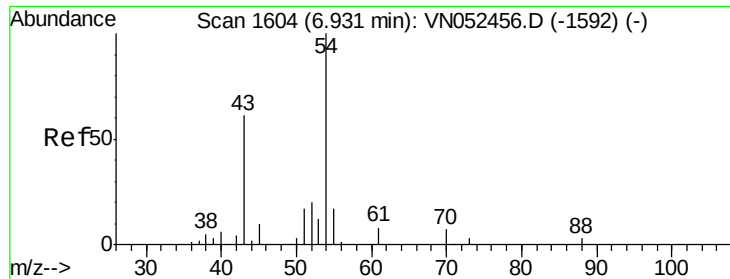
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#42
Vinyl Acetate
Concen: 96.55 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.5	9.7





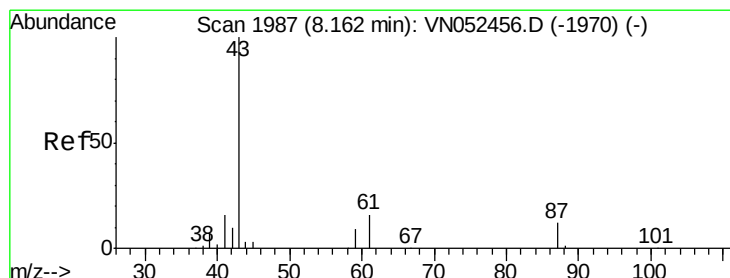
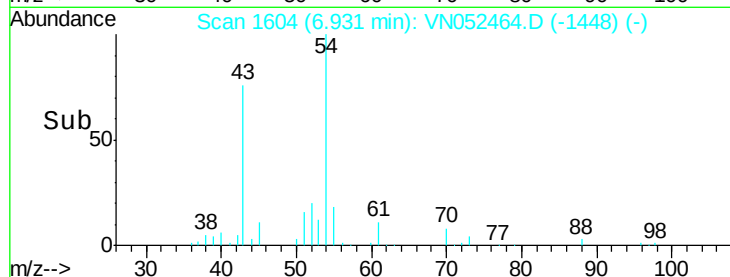
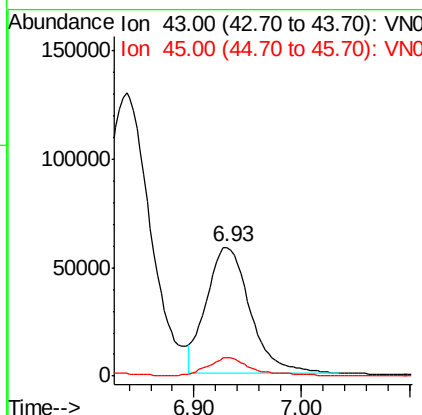
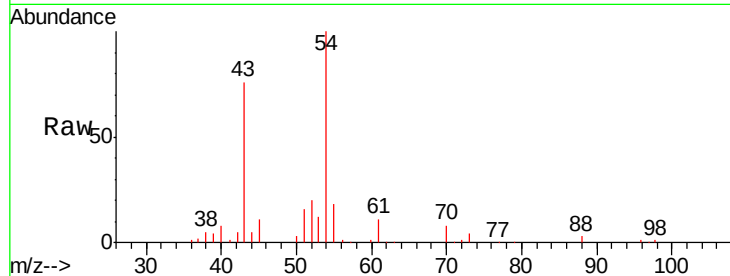
#43
Ethyl Acetate
Concen: 19.10 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBSD01

Tgt Ion: 43 Resp: 164813
Ion Ratio Lower Upper
43 100
45 13.2 1.0 1.6#

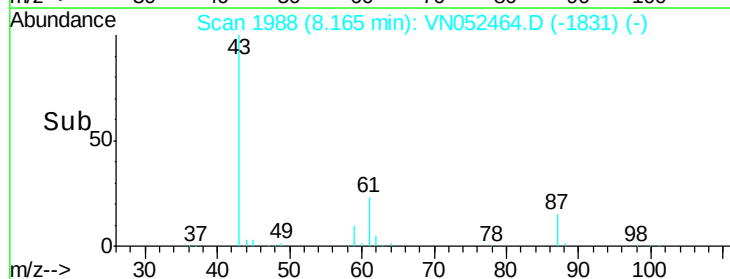
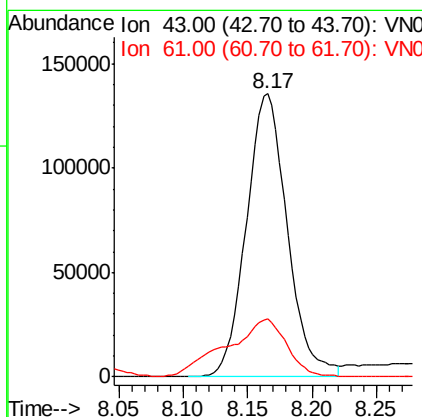
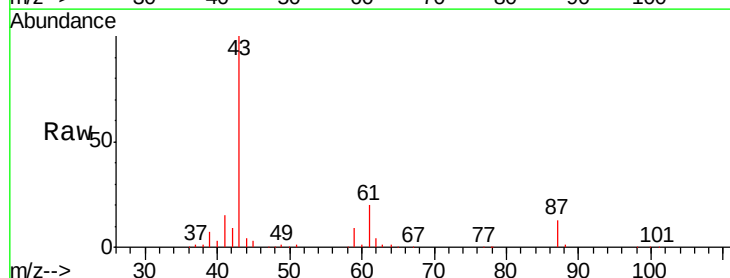
Manual Integrations
APPROVED

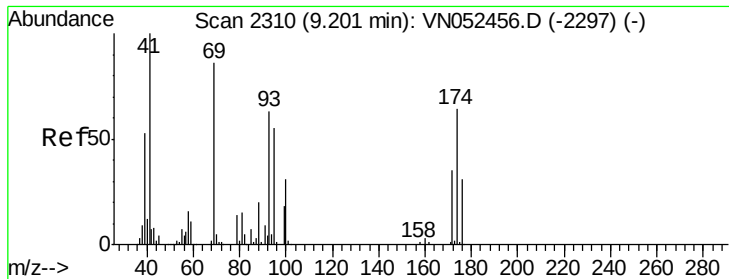
MMDadoda
11/27/2018 3:52:15 PM



#44
Isopropyl Acetate
Concen: 19.77 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion: 43 Resp: 299203
Ion Ratio Lower Upper
43 100
61 29.6 16.0 24.0#





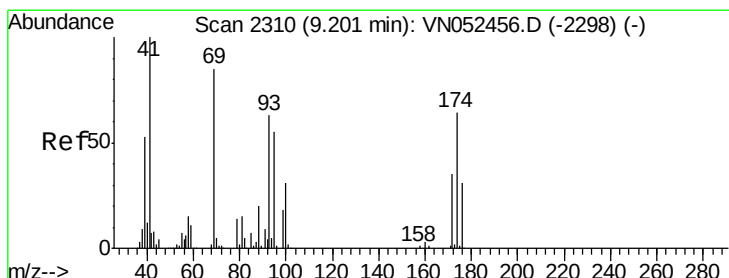
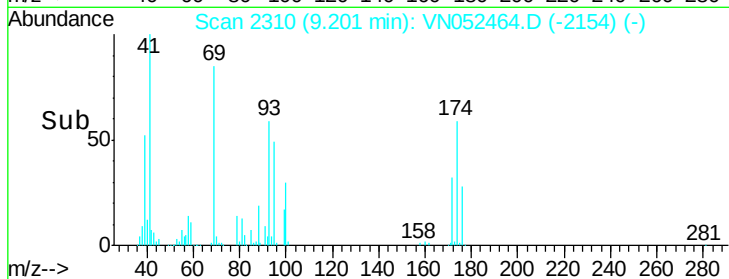
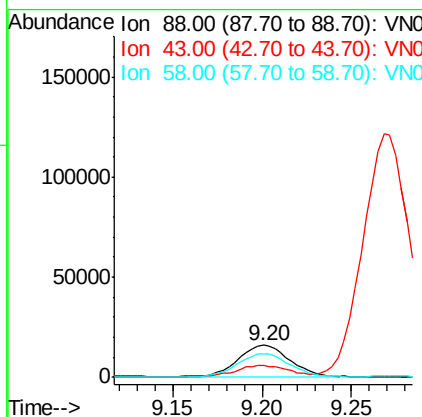
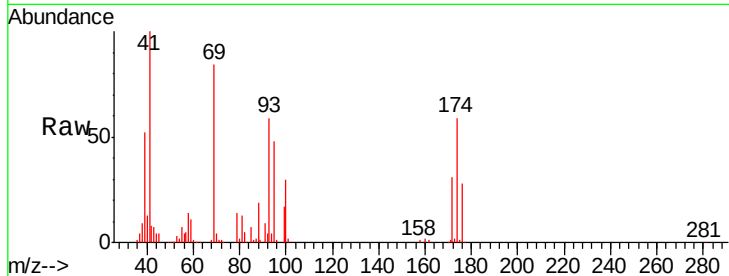
#45
1,4-Dioxane
Concen: 392.05 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.8	29.5	44.3
58	77.1	61.5	92.3

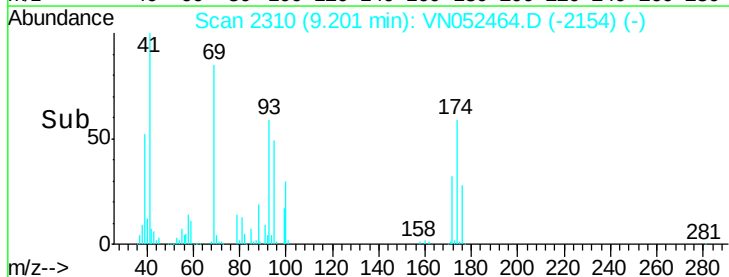
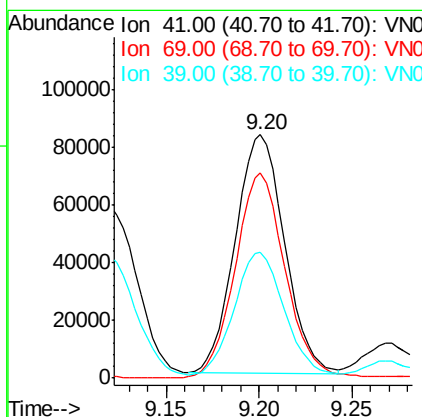
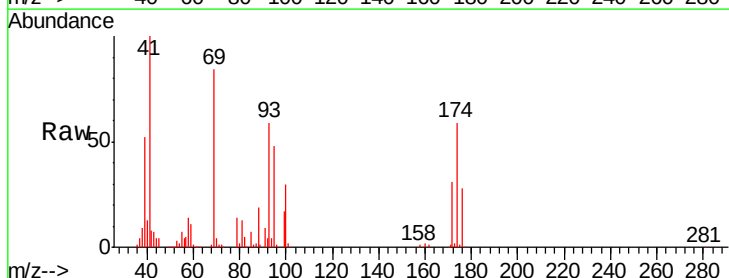
Manual Integrations
APPROVED

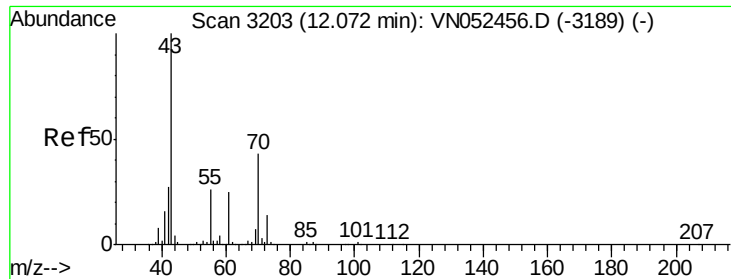
MMDadoda
11/27/2018 3:52:15 PM



#46
Methyl methacrylate
Concen: 19.52 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.7	42.5	127.6
39	51.3	26.3	78.9





#47

n-amyl Acetate

Concen: 18.87 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampled :

VN1126WBSD01

Tgt Ion: 43 Resp: 236764

Ion Ratio Lower Upper

43 100

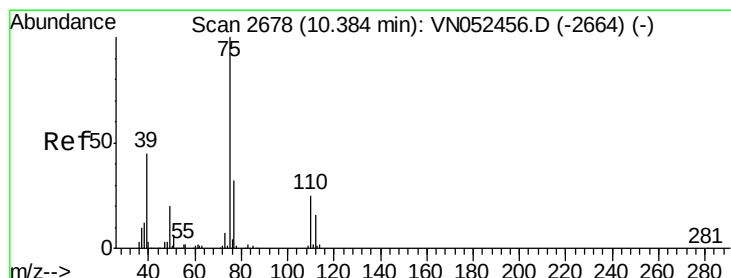
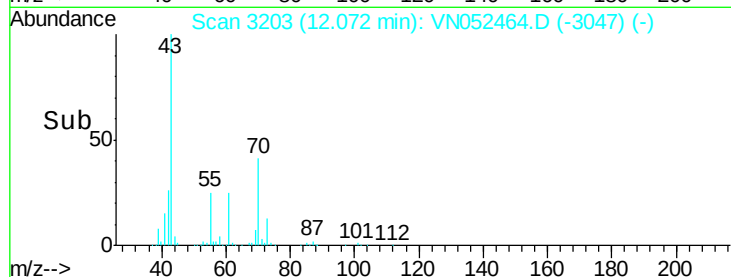
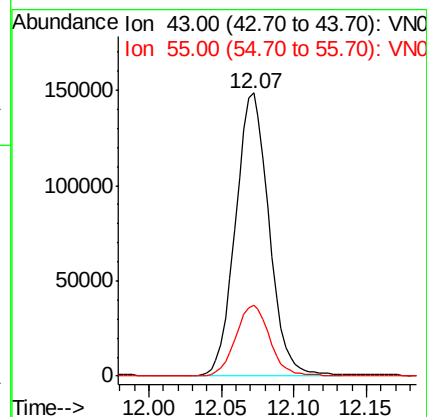
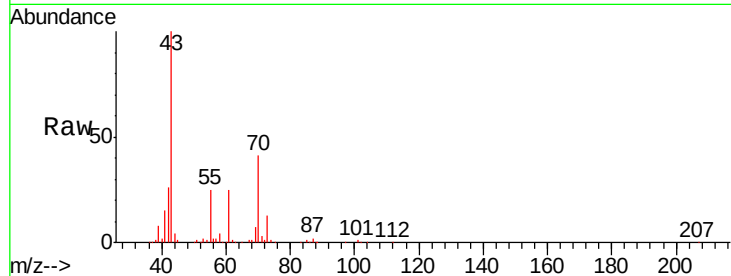
55 25.8 21.1 31.7

Manual Integrations

APPROVED

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#48

t-1,3-Dichloropropene

Concen: 18.84 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052464.D

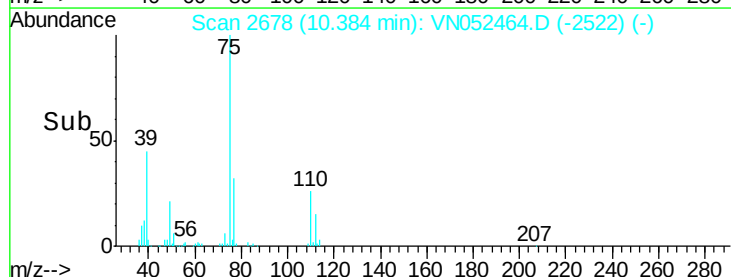
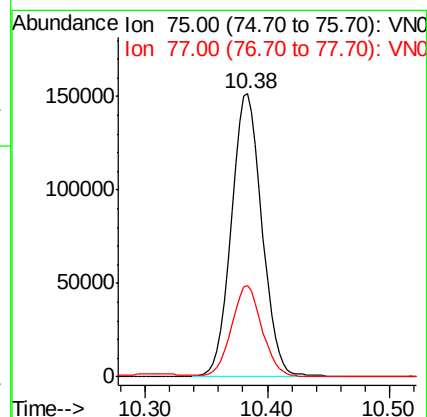
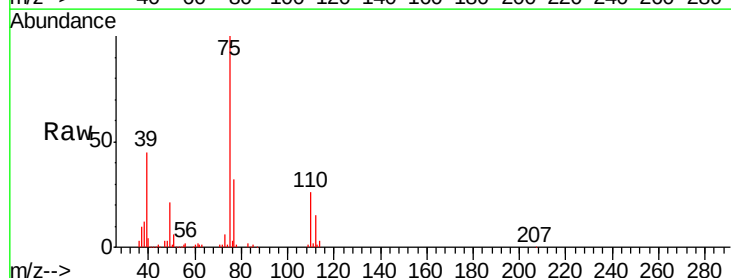
Acq: 26 Nov 2018 17:38

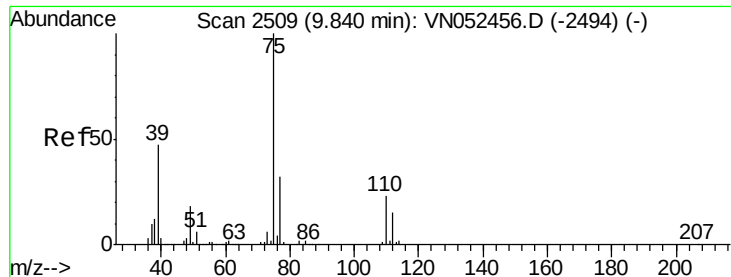
Tgt Ion: 75 Resp: 266592

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4





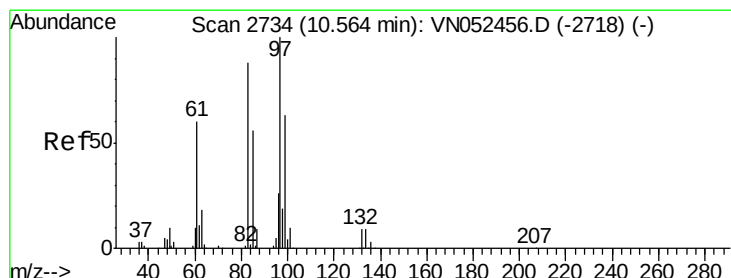
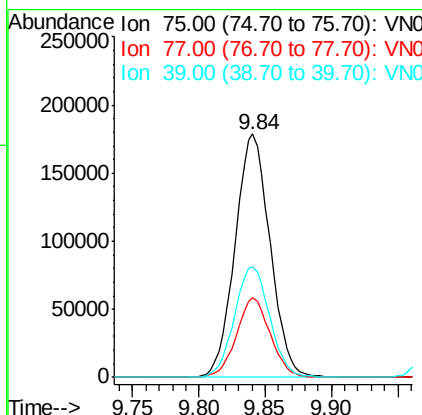
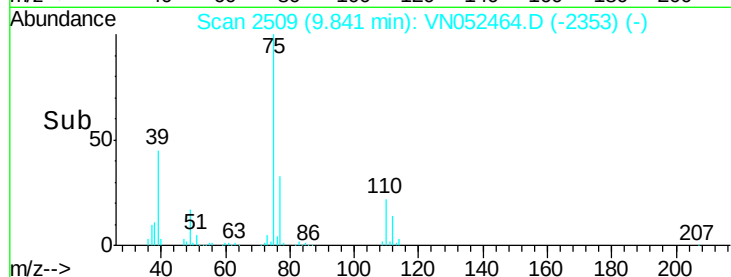
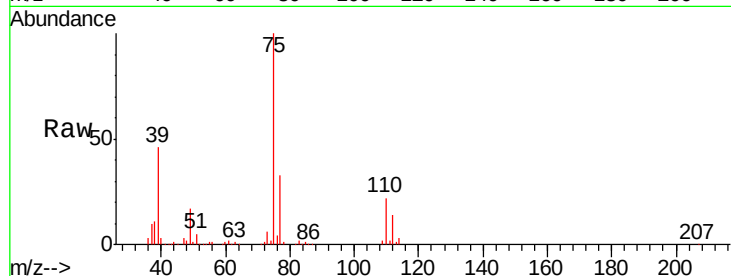
#49
 cis-1,3-Dichloropropene
 Concen: 19.04 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.0
39	45.5	37.3	55.9

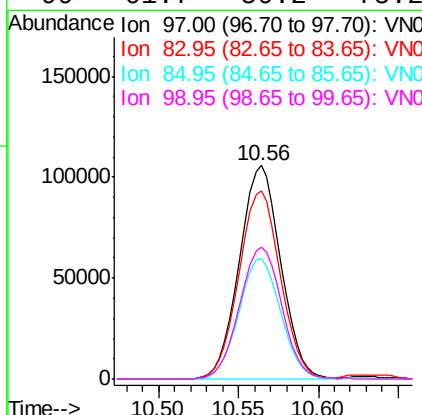
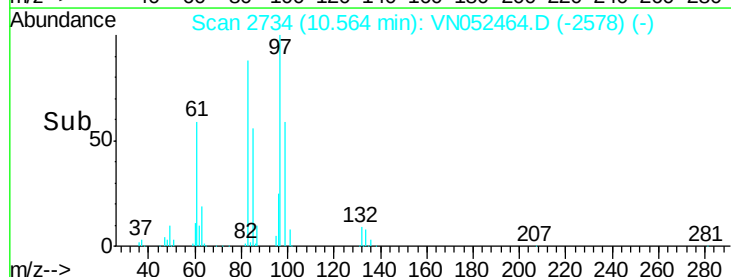
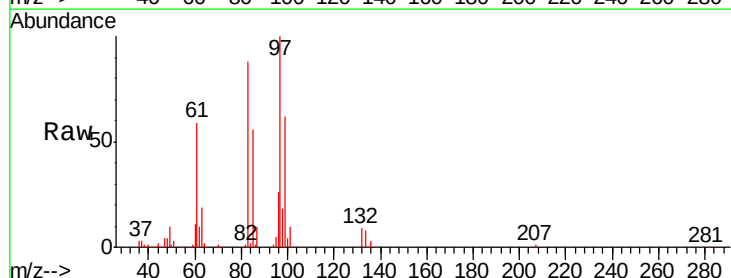
Manual Integrations
 APPROVED

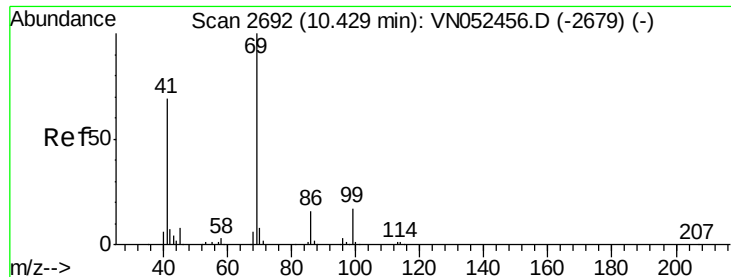
MMDadoda
 11/27/2018 3:52:15 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.00 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.4	105.6
85	56.2	45.0	67.6
99	61.7	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.38 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

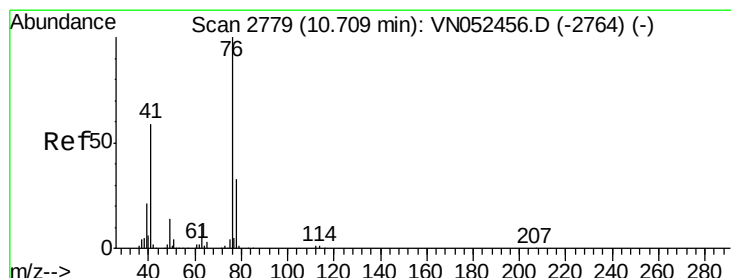
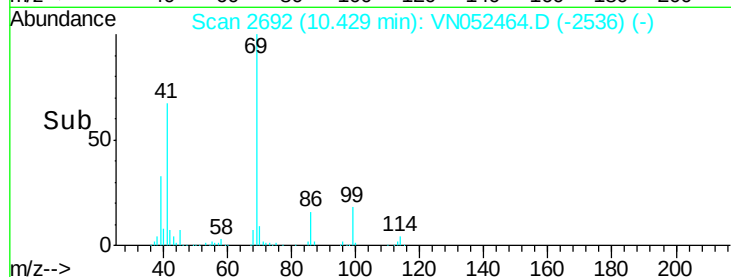
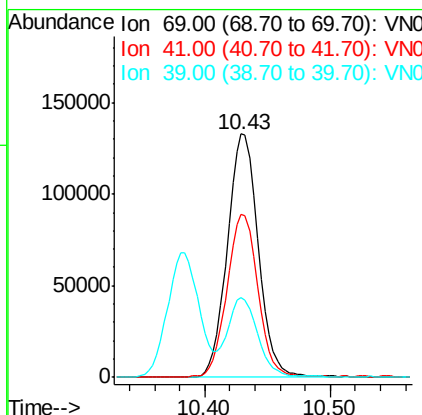
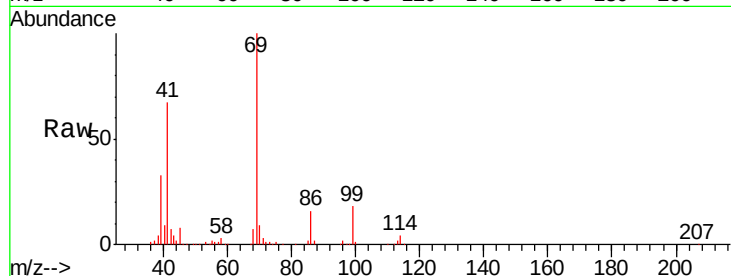
ClientSampled :

VN1126WBSD01

Tgt Ion:	69	Resp:	227839
Ion	Ratio	Lower	Upper
69	100		
41	66.8	34.4	103.3
39	32.6	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.51 ug/l

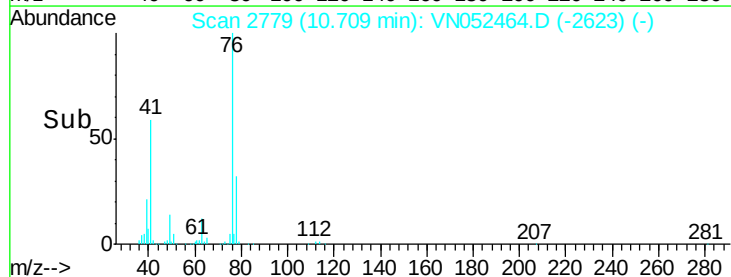
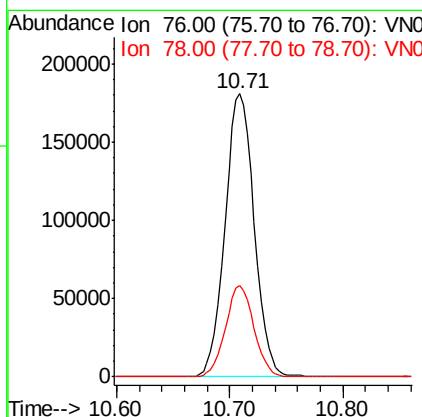
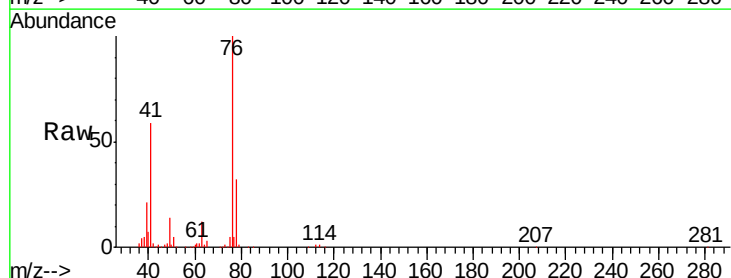
RT: 10.71 min Scan# 2779

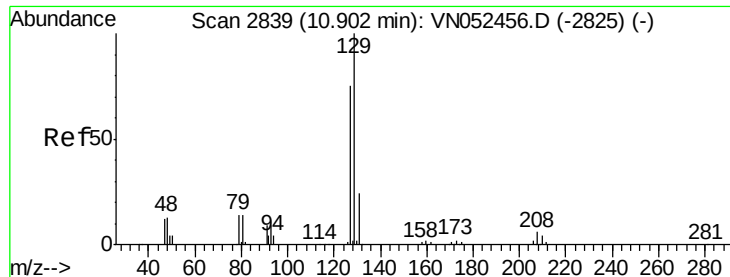
Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Tgt Ion:	76	Resp:	325041
Ion	Ratio	Lower	Upper
76	100		
78	31.4	0.0	64.8





#53

Dibromochloromethane

Concen: 19.17 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBSD01

Tgt Ion:129 Resp: 197550

Ion Ratio Lower Upper

129 100

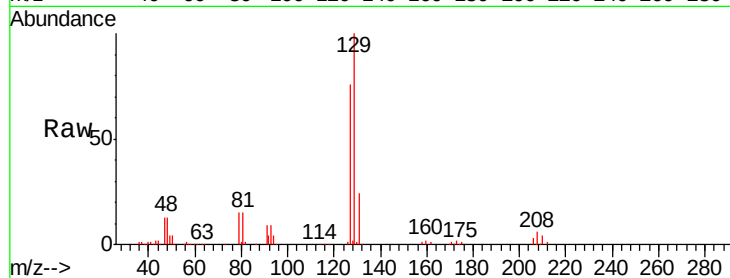
127 77.8 37.6 112.8

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

120000

100000

80000

60000

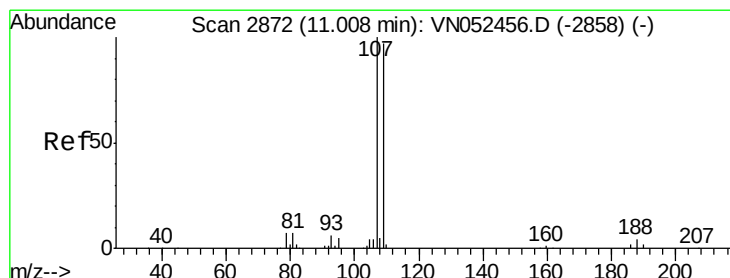
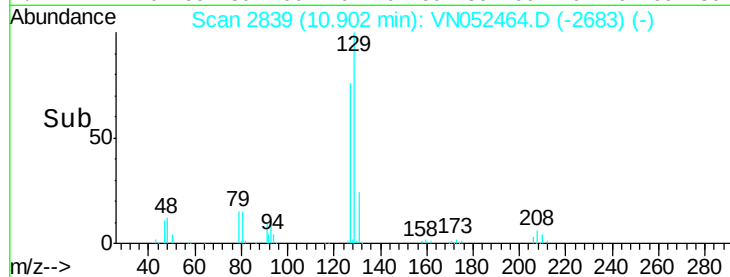
40000

20000

0

10.85 10.90 10.95

Time-->



#54

1,2-Dibromoethane

Concen: 19.92 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052464.D

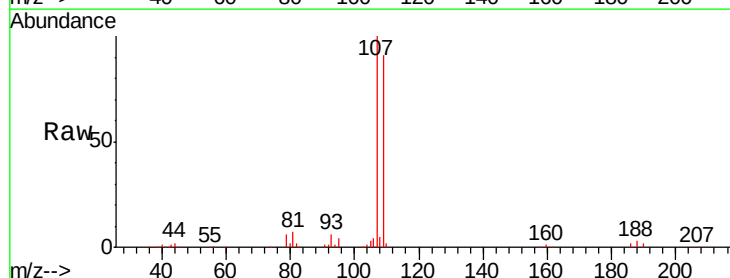
Acq: 26 Nov 2018 17:38

Tgt Ion:107 Resp: 182201

Ion Ratio Lower Upper

107 100

109 92.6 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

120000

100000

80000

60000

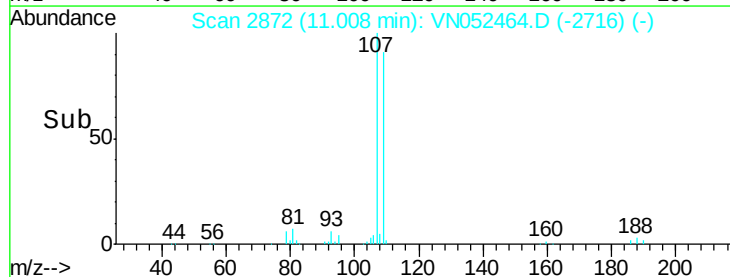
40000

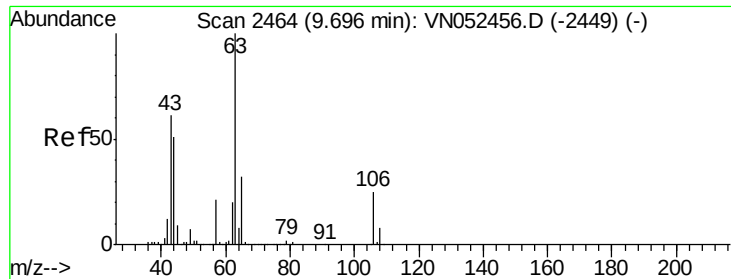
20000

0

11.00 11.10

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 97.18 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

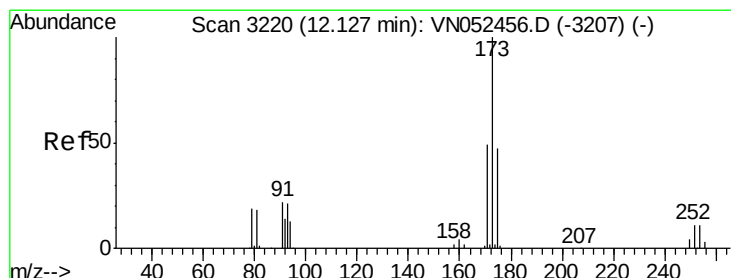
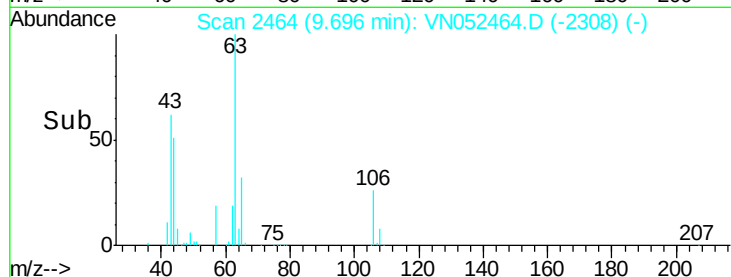
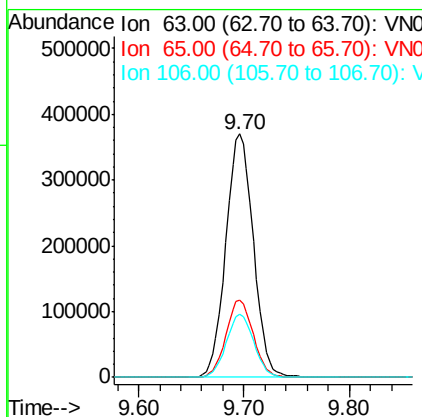
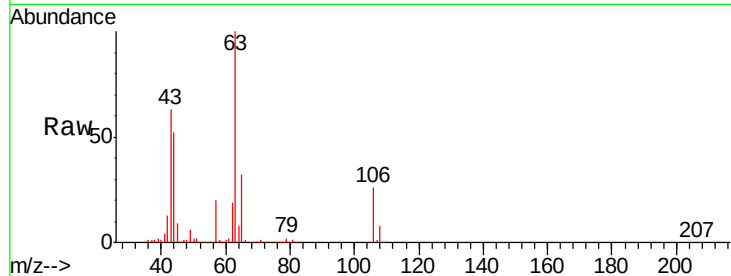
ClientSampleId :

VN1126WBSD01

Tgt Ion:	63	Resp:	668769
Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.4	38.2
106	25.9	20.4	30.6

Manual Integrations
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#56

Bromoform

Concen: 18.88 ug/l

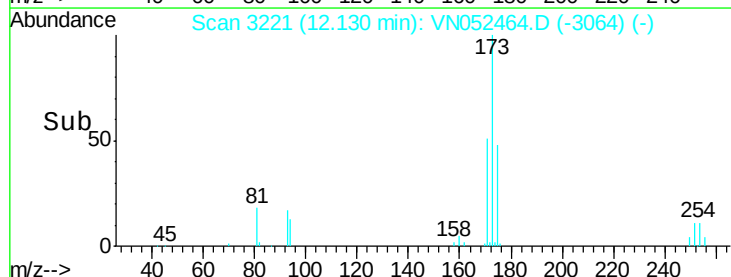
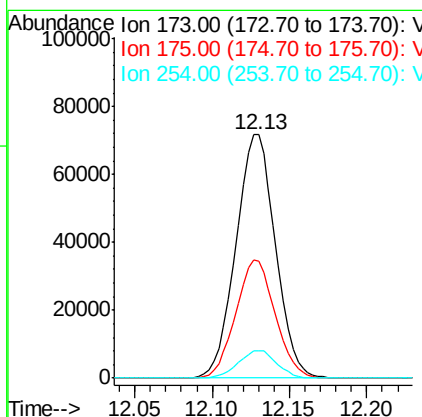
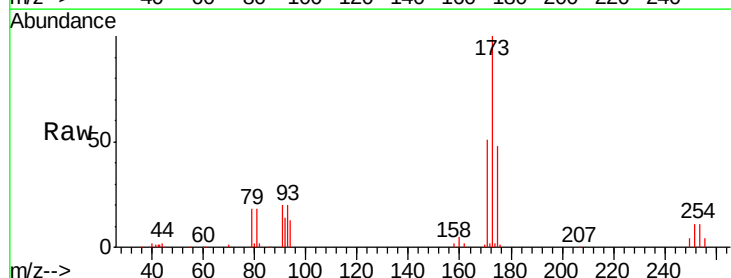
RT: 12.13 min Scan# 3221

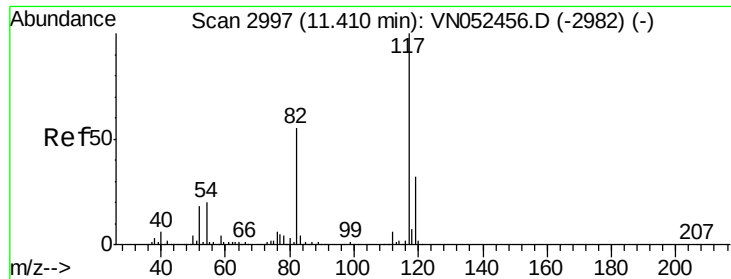
Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Tgt Ion:	173	Resp:	127157
Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.7	58.1
254	10.9	8.4	12.6





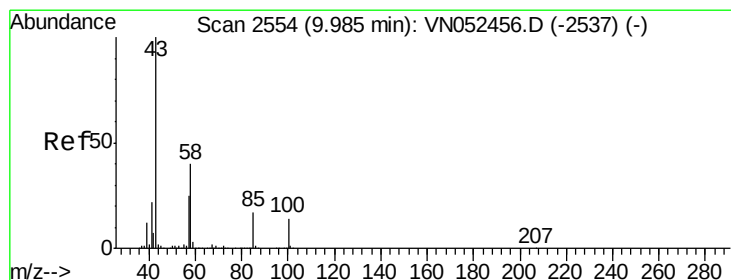
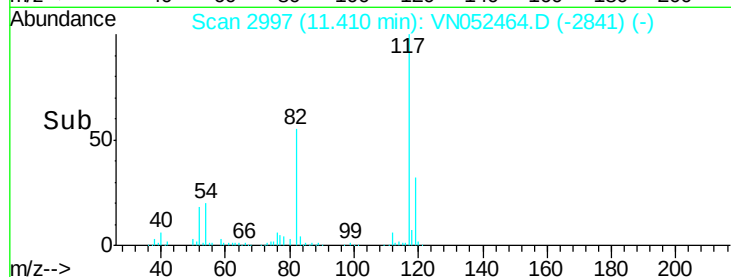
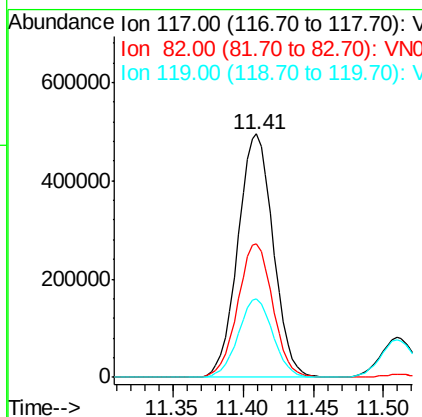
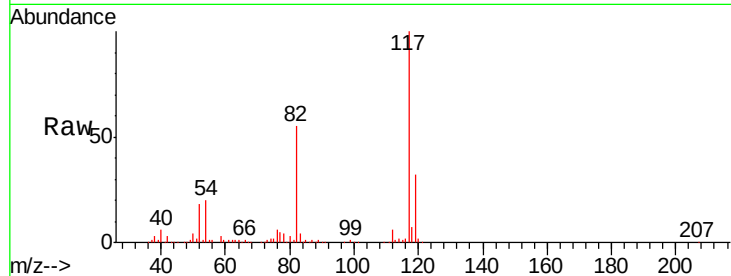
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	869250		
82	54.5	44.2	66.2	
119	31.7	25.4	38.2	

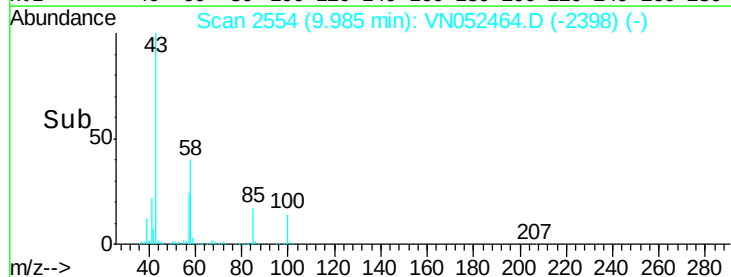
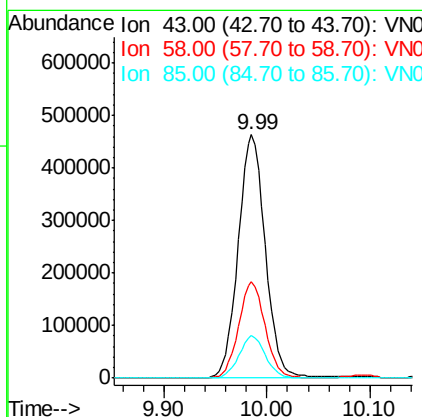
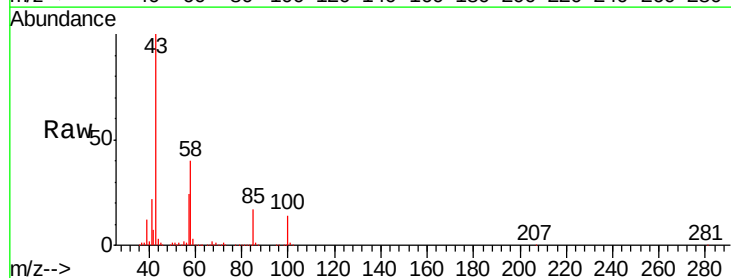
Manual Integrations
APPROVED

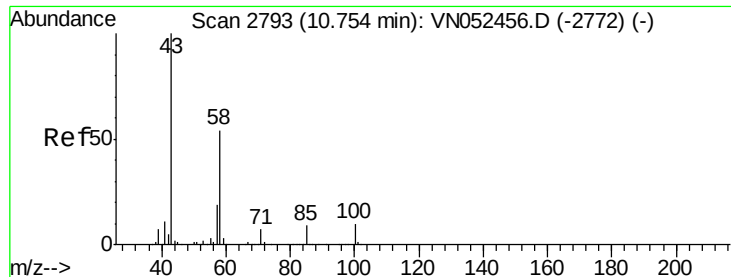
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 100.30 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	845261		
58	38.9	31.6	47.4	
85	17.0	13.3	19.9	





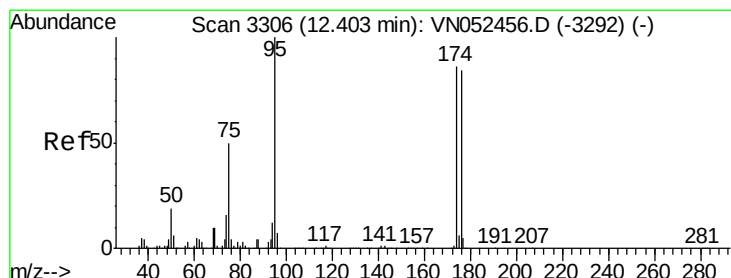
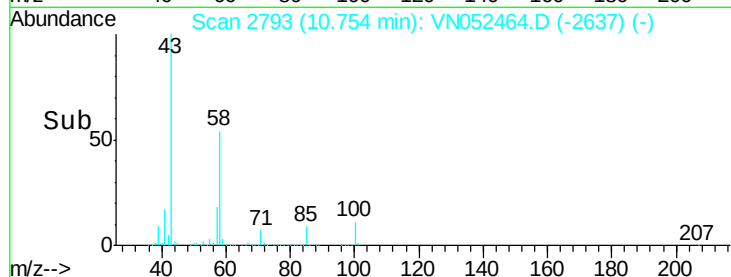
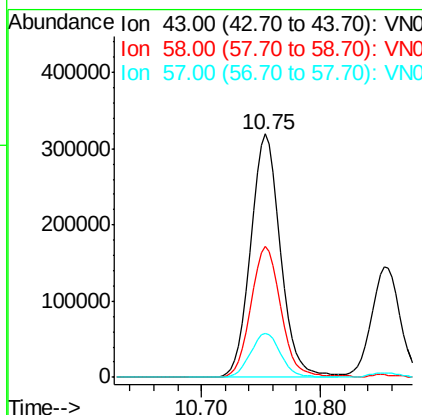
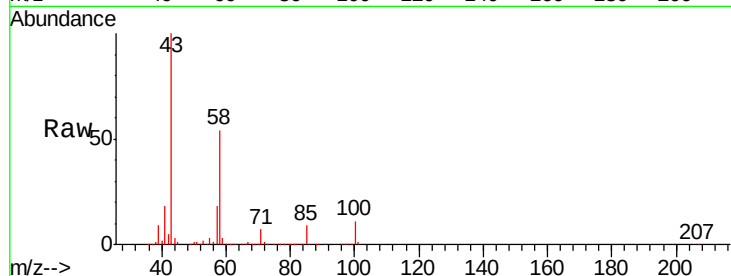
#59
2-Hexanone
Concen: 95.85 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.8	43.2	64.8
57	18.6	14.9	22.3

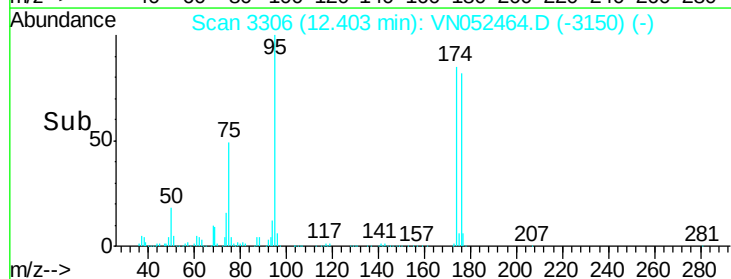
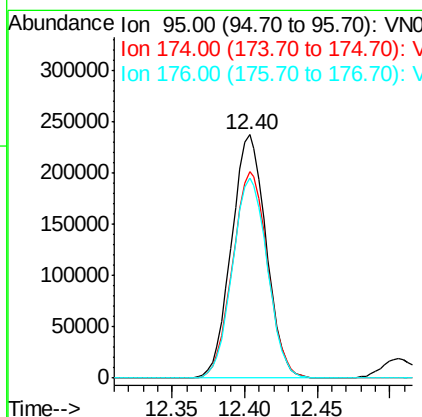
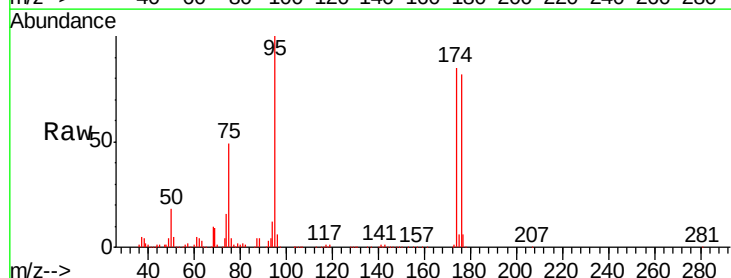
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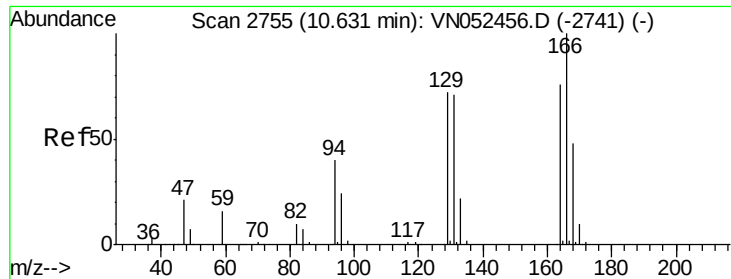
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 95.85 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.5	67.9	101.9
176	82.7	66.4	99.6





#61

Tetrachloroethene

Concen: 19.90 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBSD01

Tgt Ion: 164 Resp: 213033

Ion Ratio Lower Upper

164 100

166 125.7 104.6 157.0

129 91.4 75.3 112.9

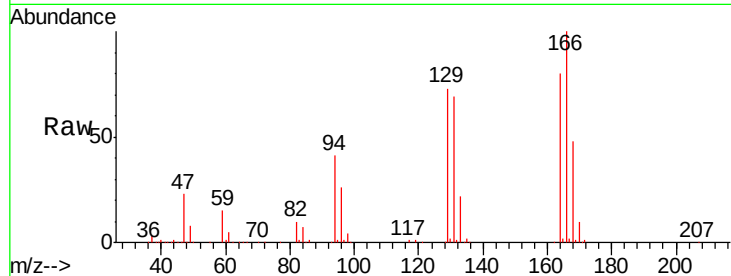
131 87.0 74.3 111.5

Manual Integrations

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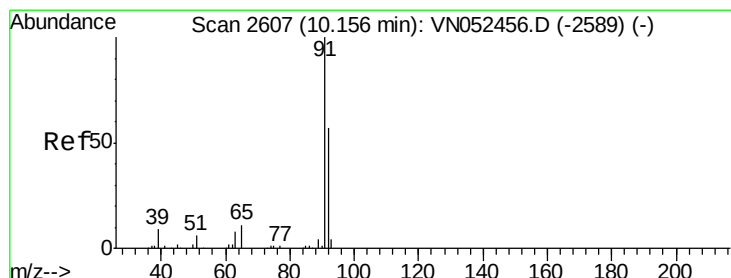
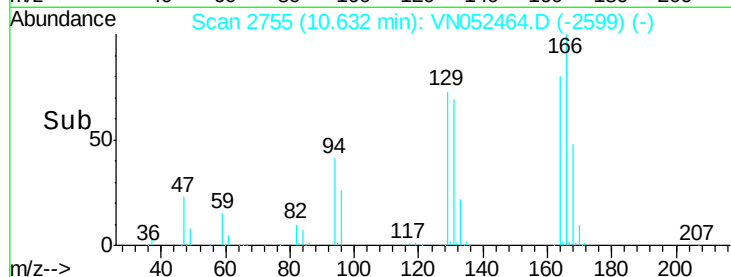
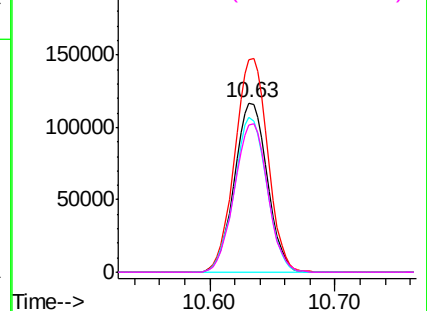


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.62 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052464.D

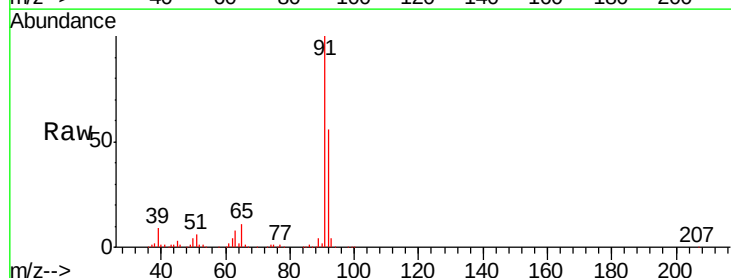
Acq: 26 Nov 2018 17:38

Tgt Ion: 91 Resp: 940369

Ion Ratio Lower Upper

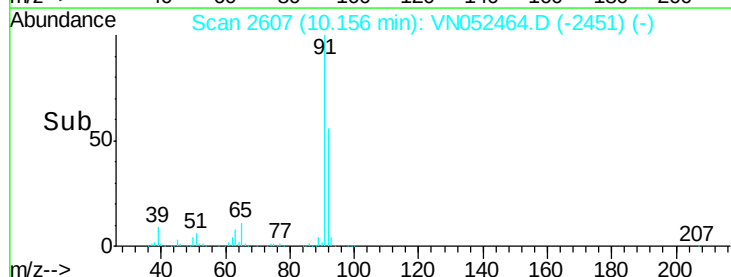
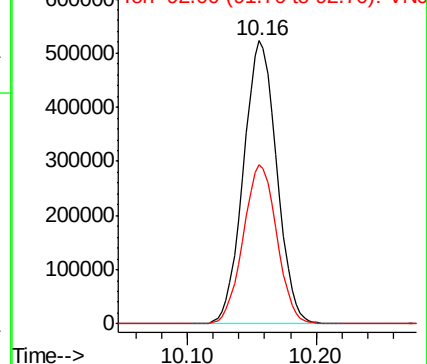
91 100

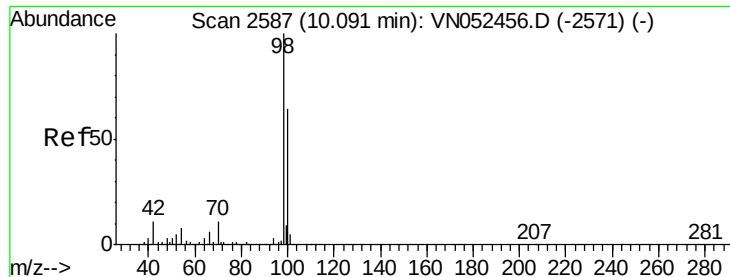
92 56.7 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.62 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBSD01

Tgt Ion: 98 Resp: 1214191

Ion Ratio Lower Upper

98 100

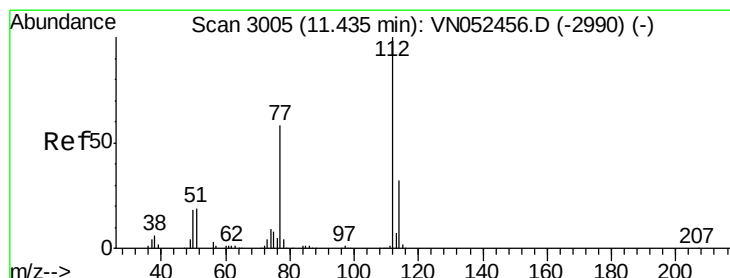
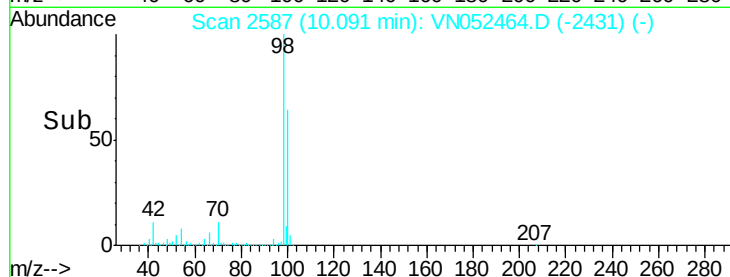
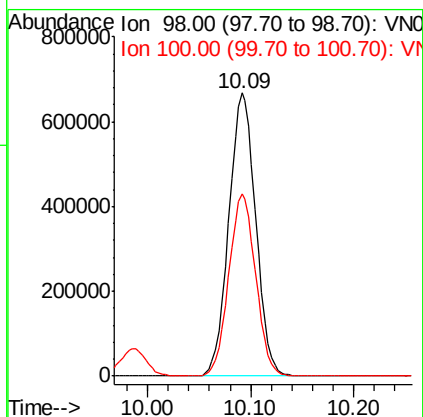
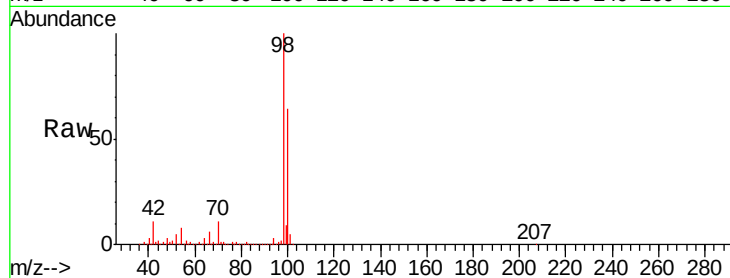
100 64.4 51.1 76.7

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#64

Chlorobenzene

Concen: 19.67 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052464.D

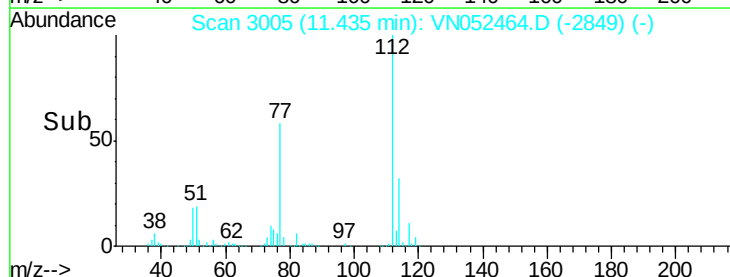
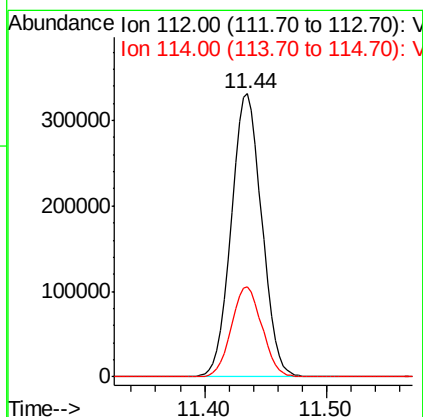
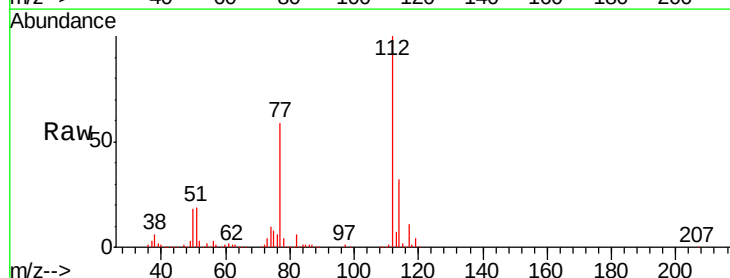
Acq: 26 Nov 2018 17:38

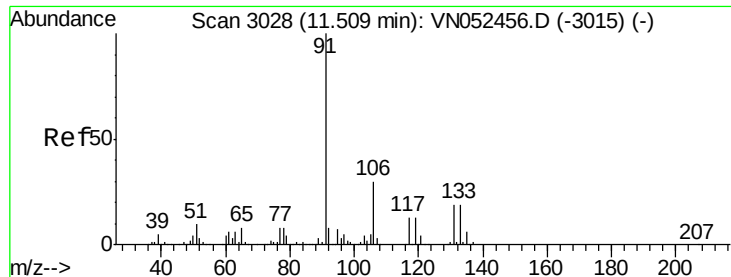
Tgt Ion: 112 Resp: 575321

Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.39 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

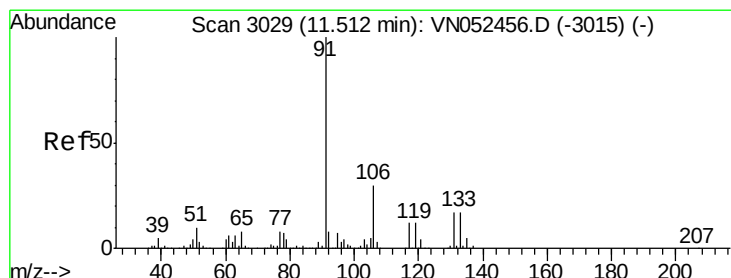
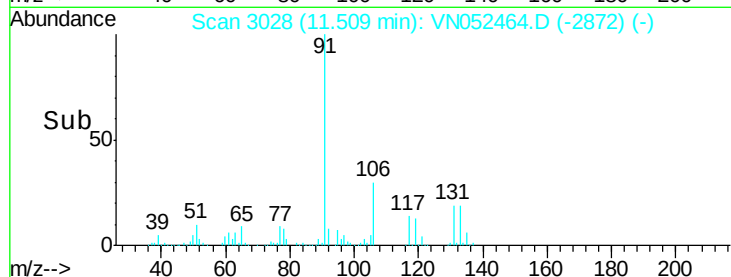
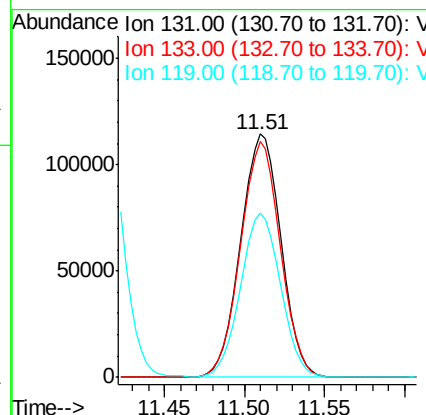
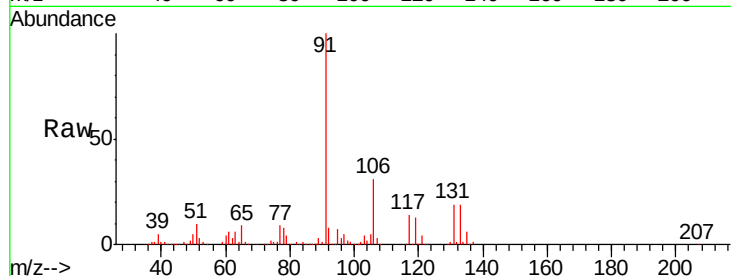
ClientSampleId :

VN1126WBSD01

Tgt Ion:	131	Resp:	196813
Ion Ratio	Lower	Upper	
131	100		
133	95.8	0.0	193.4
119	67.0	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.41 ug/l

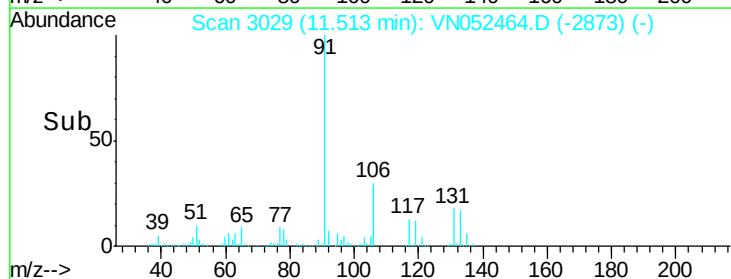
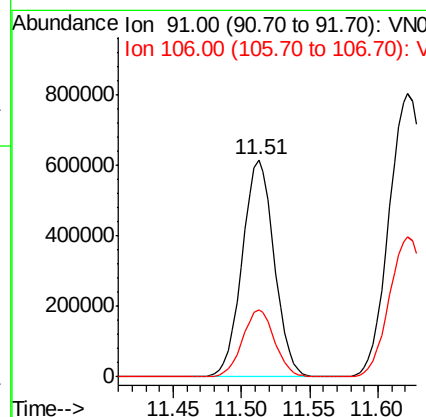
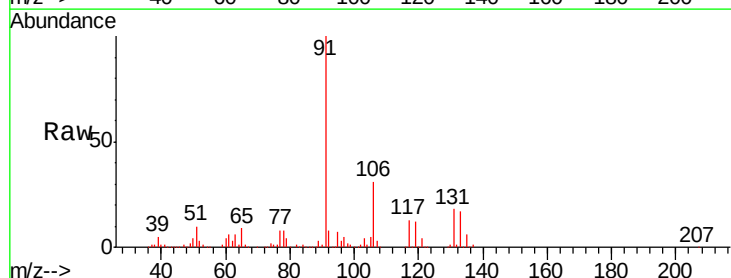
RT: 11.51 min Scan# 3029

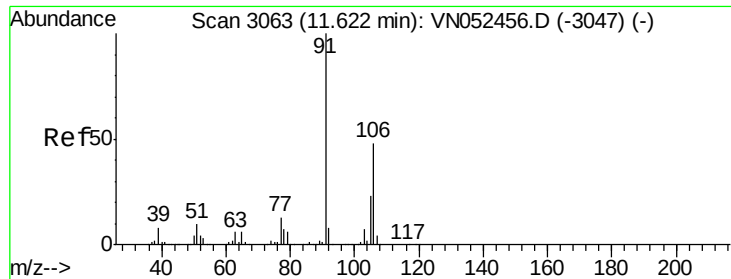
Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Tgt Ion:	91	Resp:	1002630
Ion Ratio	Lower	Upper	
91	100		
106	30.8	24.3	36.5





#67

m/p-Xylenes

Concen: 39.03 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBSD01

Tgt Ion:106 Resp: 750928

Ion Ratio Lower Upper

106 100

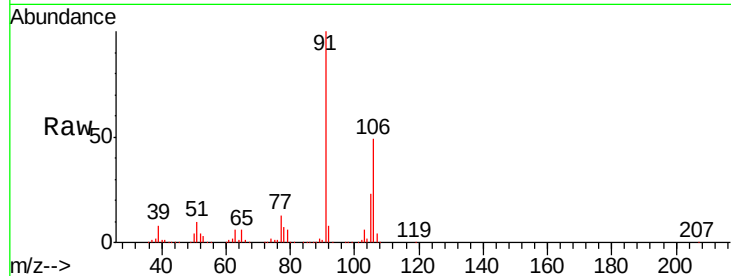
91 204.6 163.9 245.9

Manual Integrations

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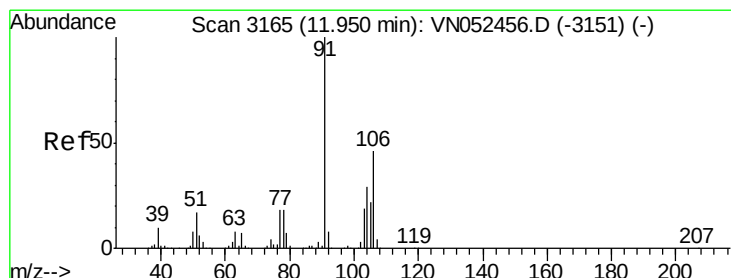
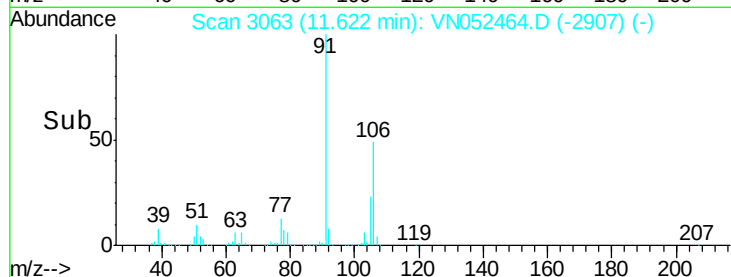
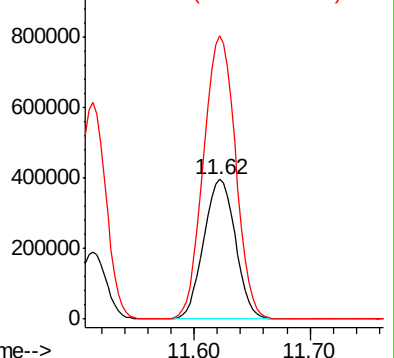
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.56 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052464.D

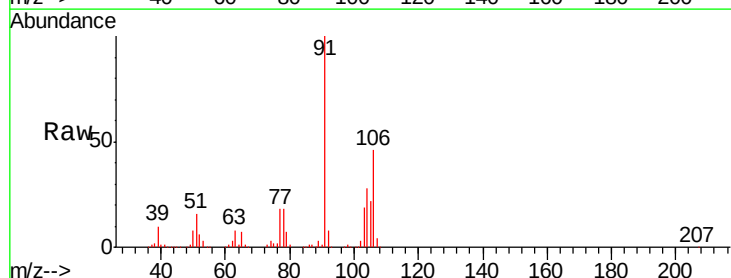
Acq: 26 Nov 2018 17:38

Tgt Ion:106 Resp: 365256

Ion Ratio Lower Upper

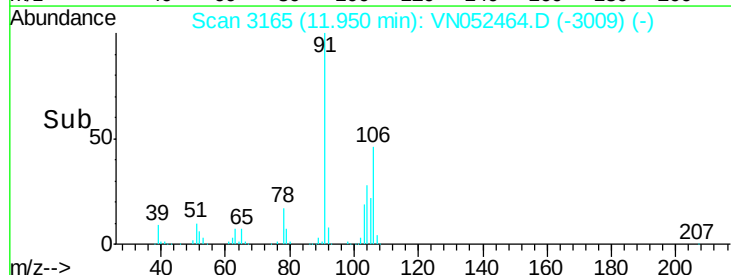
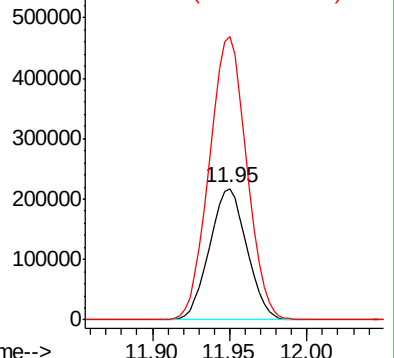
106 100

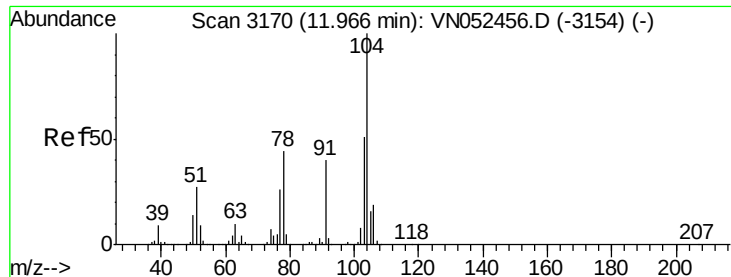
91 216.3 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





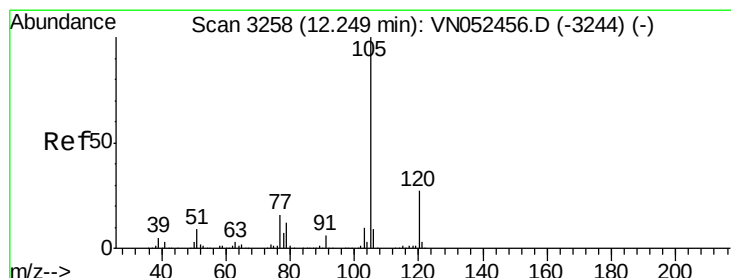
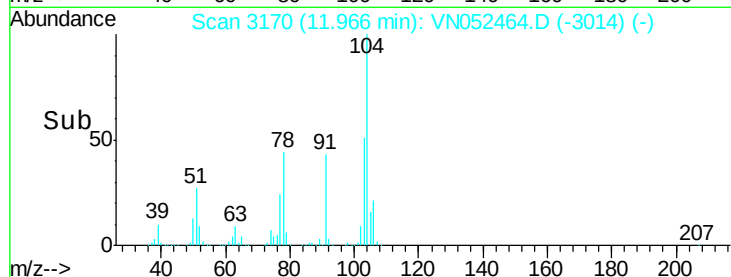
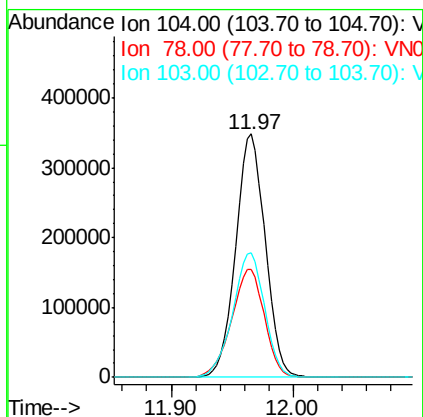
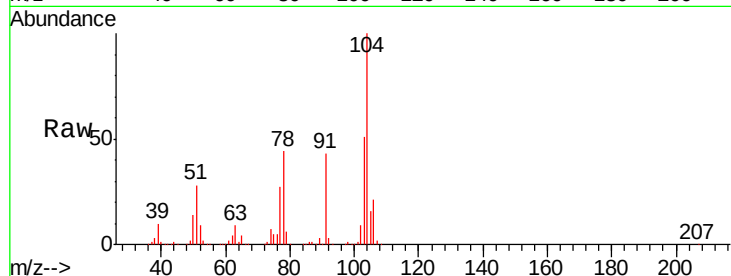
#69
Styrene
Concen: 19.37 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	583779		
78	49.5	39.3	58.9	
103	55.3	44.6	66.8	

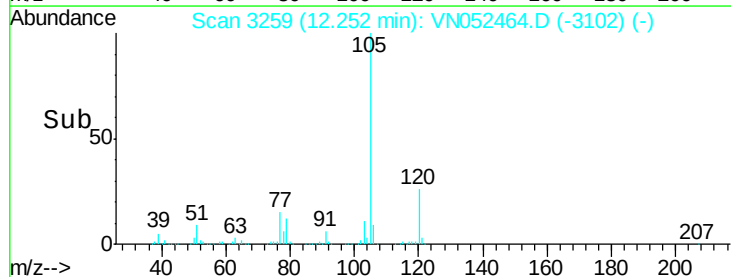
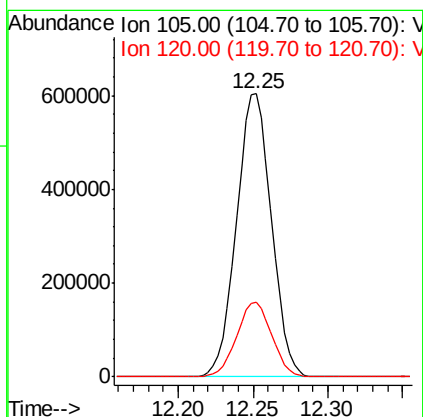
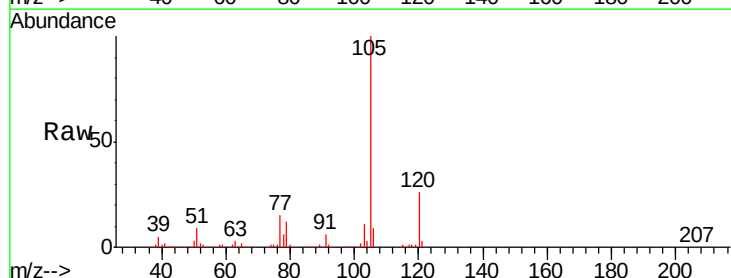
Manual Integrations
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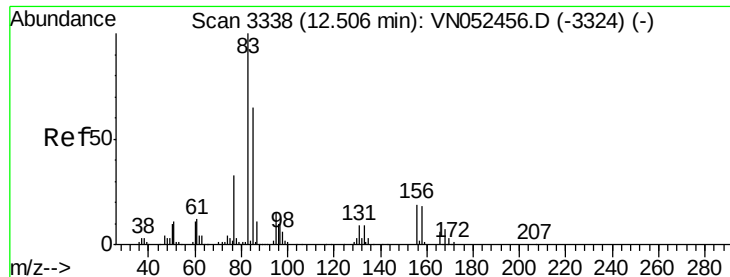
MMDadoda
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#70
Isopropylbenzene
Concen: 19.77 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	982297		
120	26.4	18.6	34.6	





#71

1,1,2,2-Tetrachloroethane

Concen: 20.08 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBSD01

Tgt Ion: 83 Resp: 217095
Ion Ratio Lower Upper

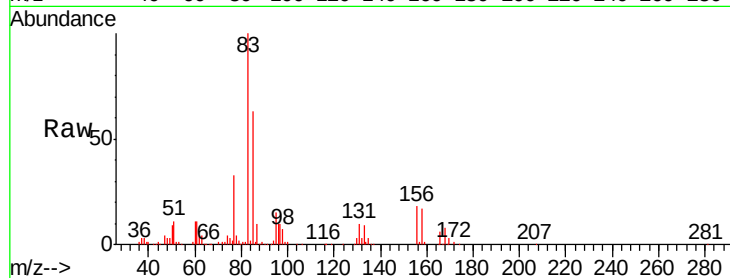
83 100

131 9.8 4.9 14.6

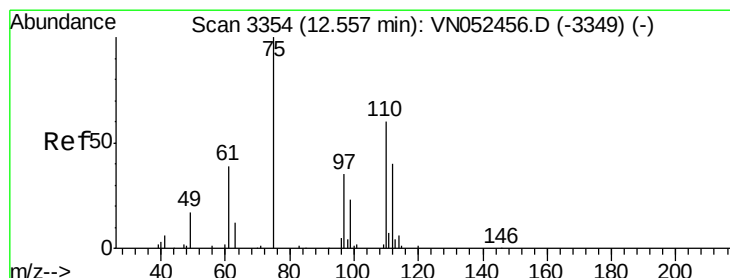
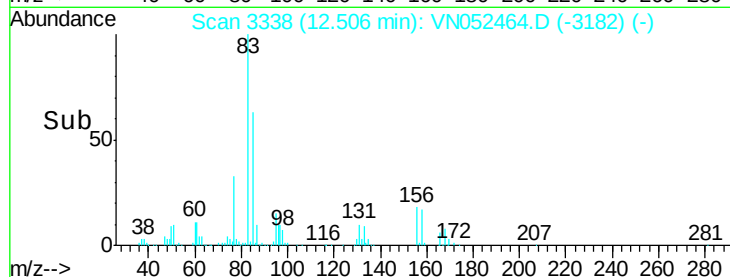
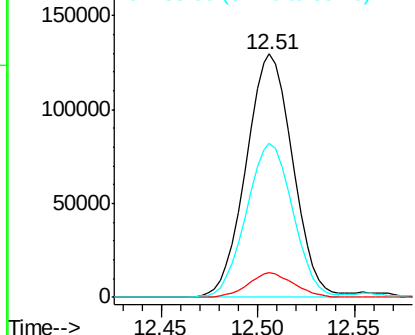
85 63.4 32.2 96.6

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Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 131.00 (130.70 to 131.70): VN0
Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 18.58 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

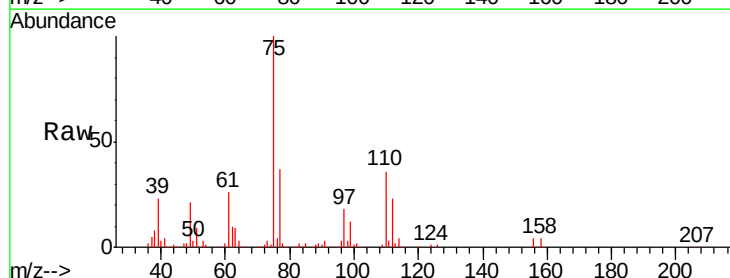
Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

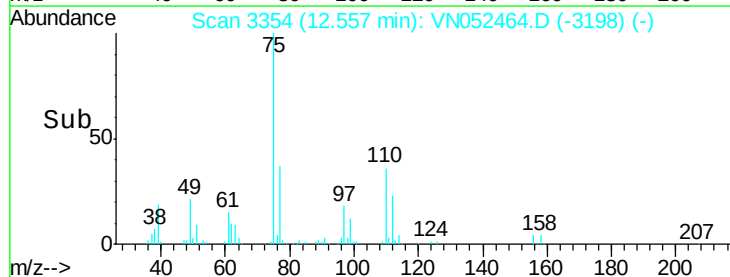
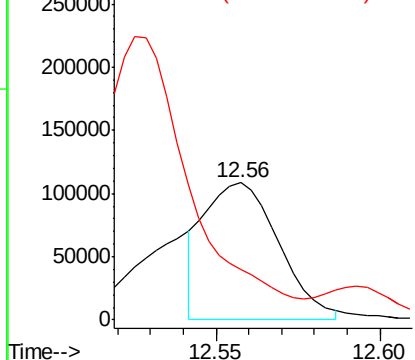
Tgt Ion: 75 Resp: 172414
Ion Ratio Lower Upper

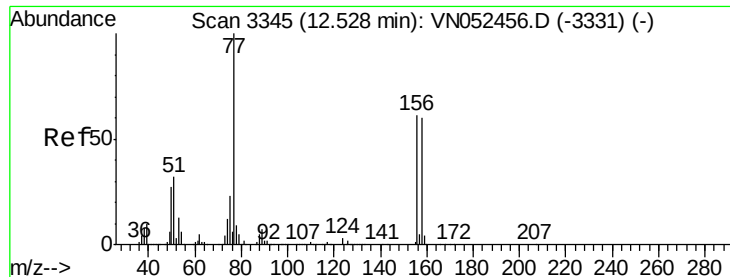
75 100

77 256.2 0.0 514.8



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.49 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

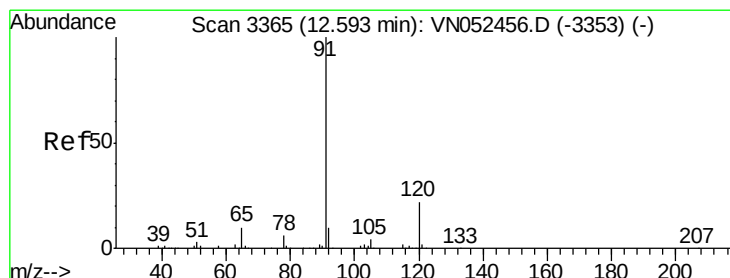
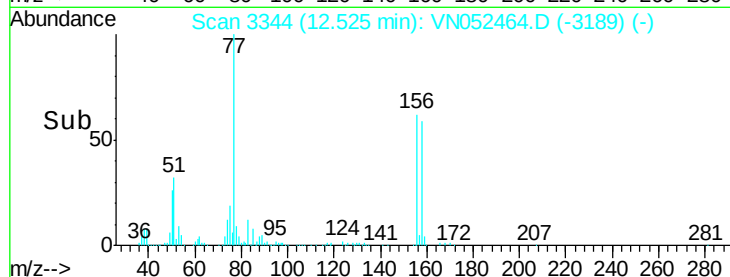
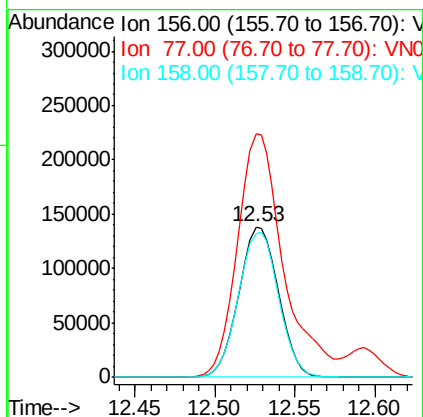
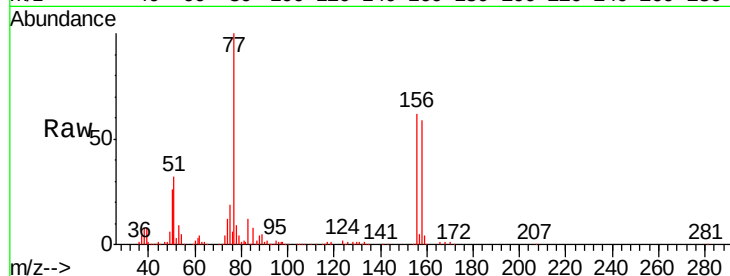
ClientSampleId :

VN1126WBSD01

Tgt Ion:	156	Resp:	234228
Ion Ratio	Lower	Upper	
156	100		
77	188.6	0.0	382.6
158	97.9	0.0	196.8

Manual Integrations
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#74

n-propylbenzene

Concen: 19.25 ug/l

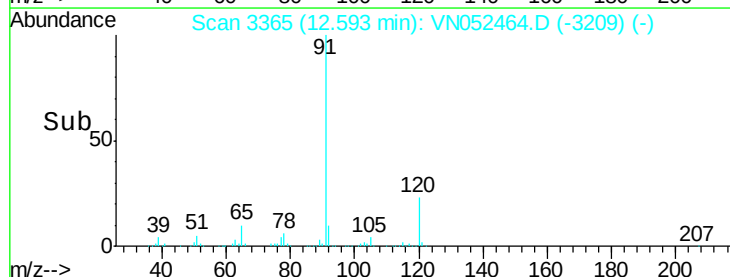
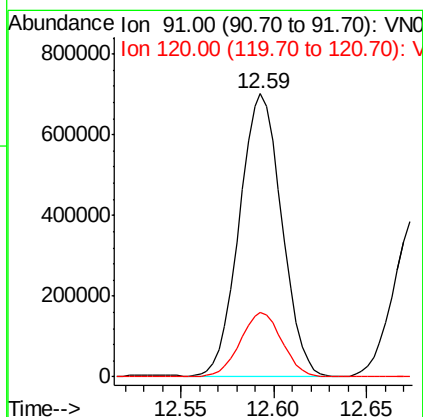
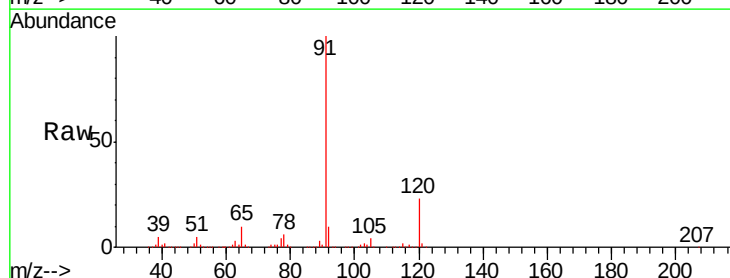
RT: 12.59 min Scan# 3365

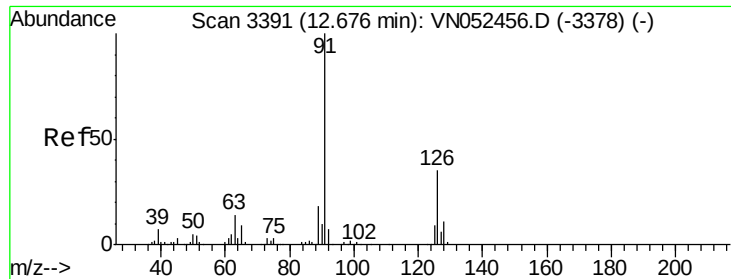
Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Tgt Ion:	91	Resp:	1114591
Ion Ratio	Lower	Upper	
91	100		
120	22.4	0.0	44.6





#75

2-Chlorotoluene

Concen: 19.70 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBSD01

Tgt Ion: 91 Resp: 662034

Ion Ratio Lower Upper

91 100

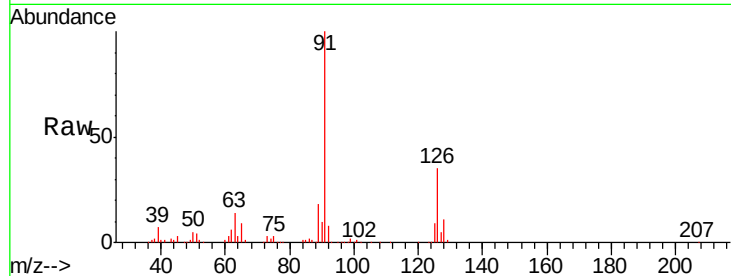
126 33.9 0.0 68.4

Manual Integrations

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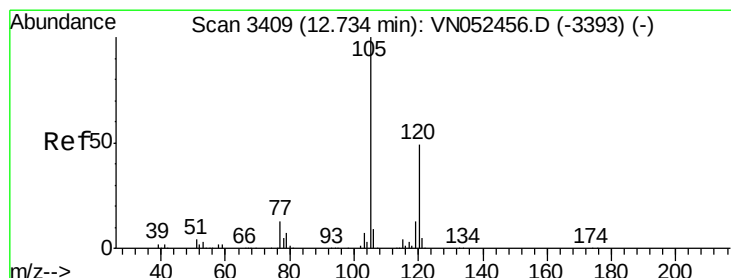
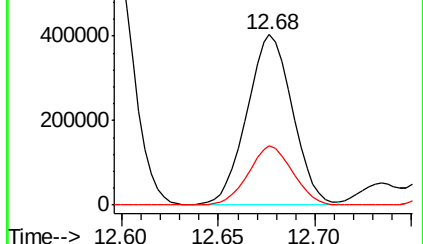
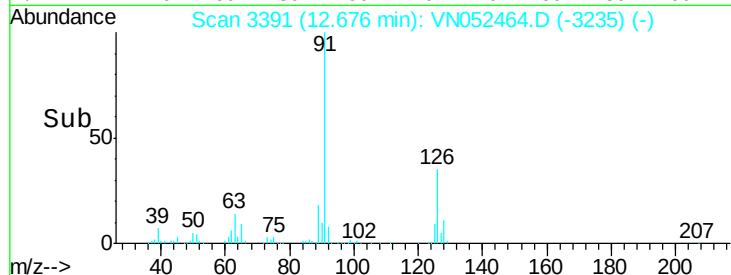
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN052464.D (-3235) (-)

Ion 126.00 (125.70 to 126.70): VN052464.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.75 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052464.D

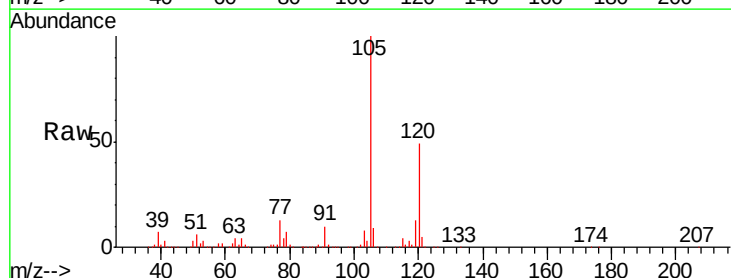
Acq: 26 Nov 2018 17:38

Tgt Ion: 105 Resp: 792591

Ion Ratio Lower Upper

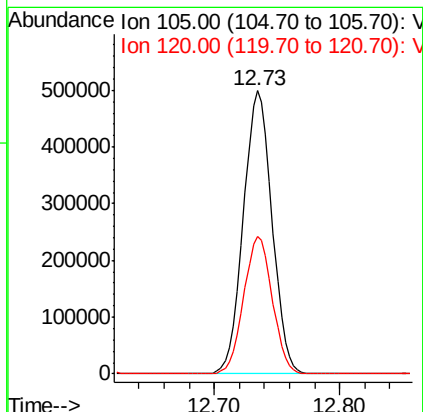
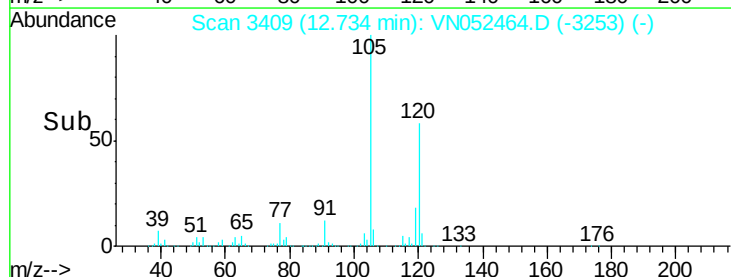
105 100

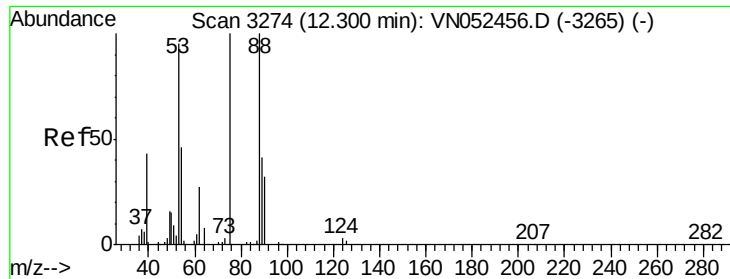
120 48.6 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052464.D (-3253) (-)

Ion 120.00 (119.70 to 120.70): VN052464.D (-3253) (-)





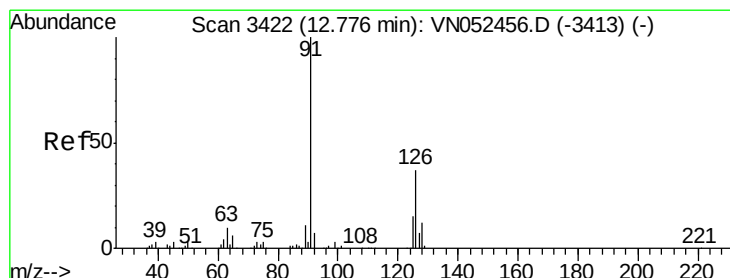
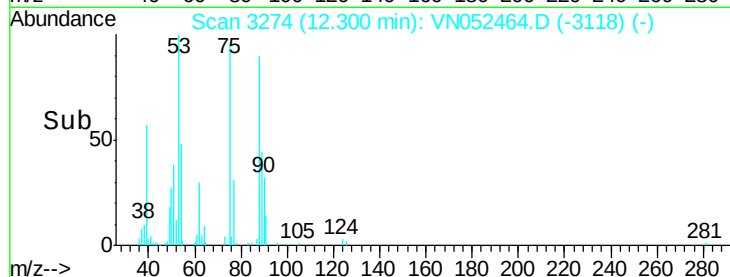
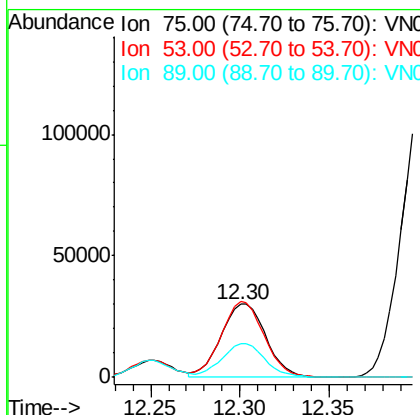
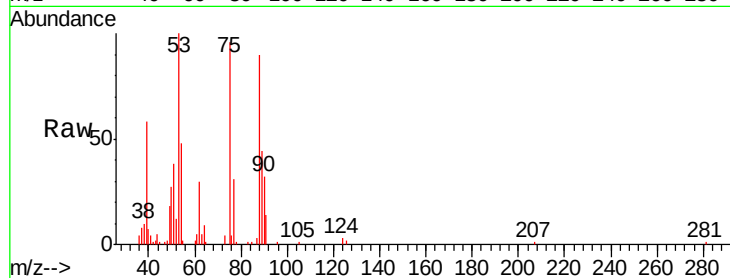
#77
t-1,4-Dichloro-2-butene
Concen: 17.97 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	103.3	48.5	145.6
89	45.4	21.7	65.1

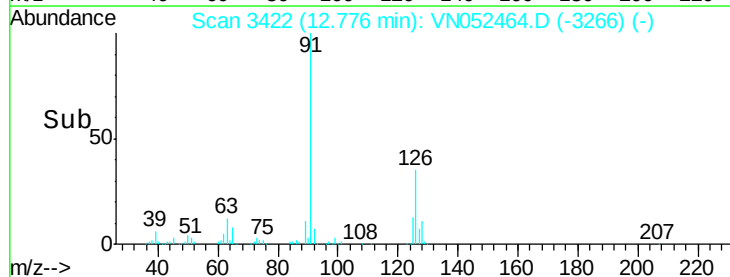
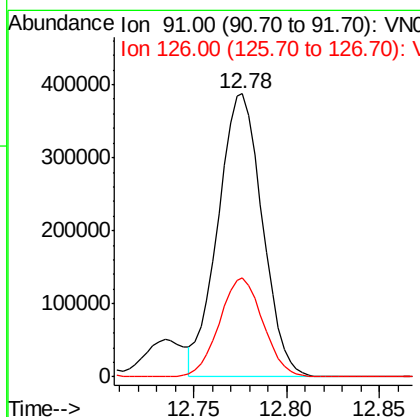
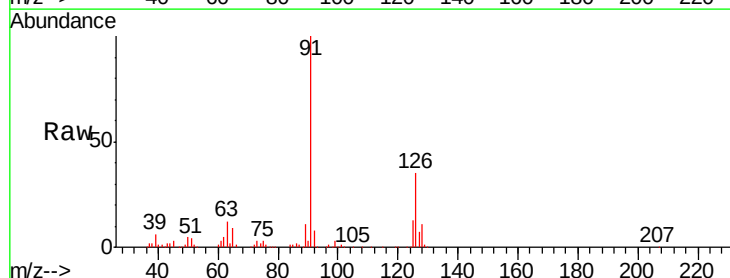
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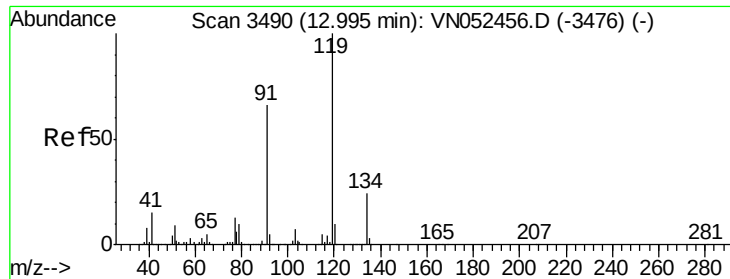
MMDadoda
11/27/2018 3:52:15 PM



#78
4-Chlorotoluene
Concen: 19.15 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	68.2





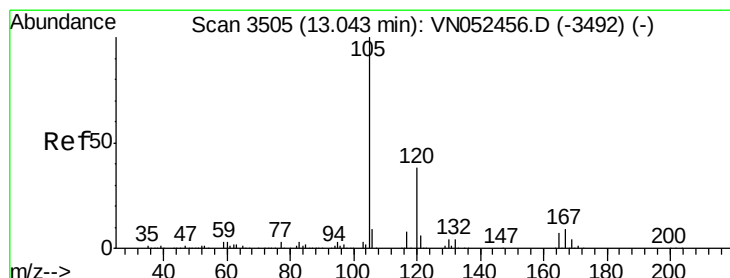
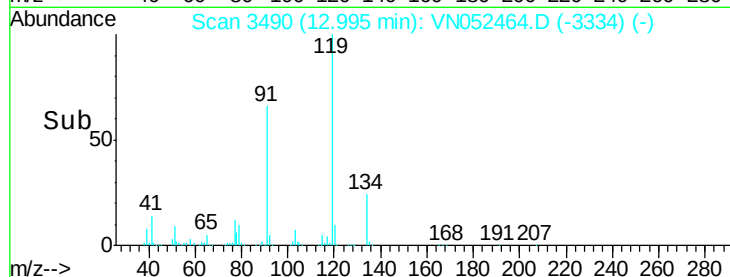
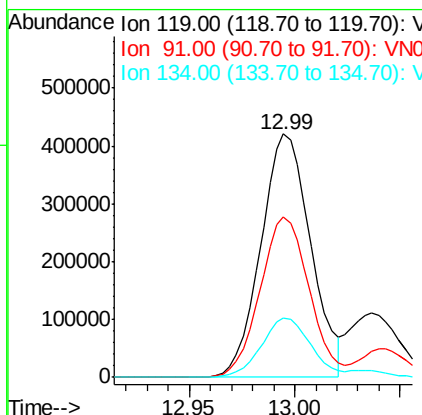
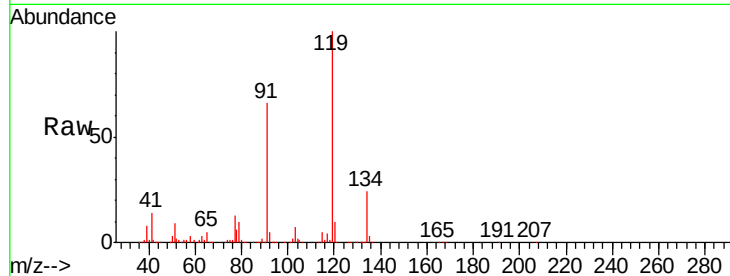
#79
tert-butylbenzene
Concen: 19.82 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	692667		
91	64.8	0.0	129.8	
134	24.0	0.0	52.2	

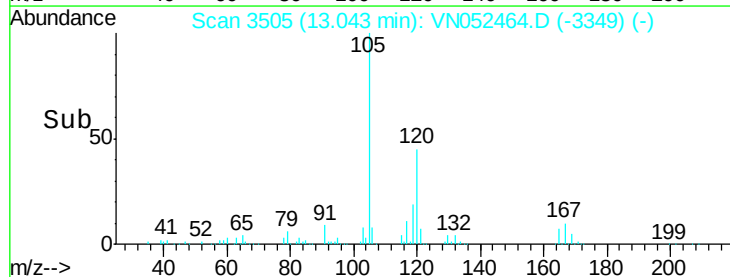
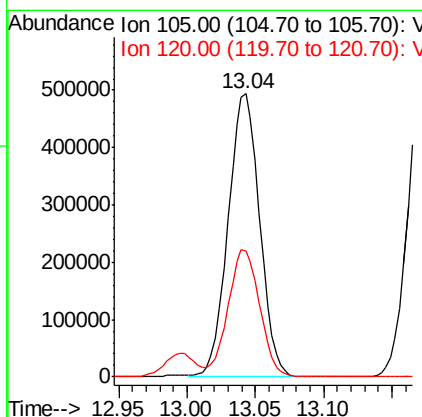
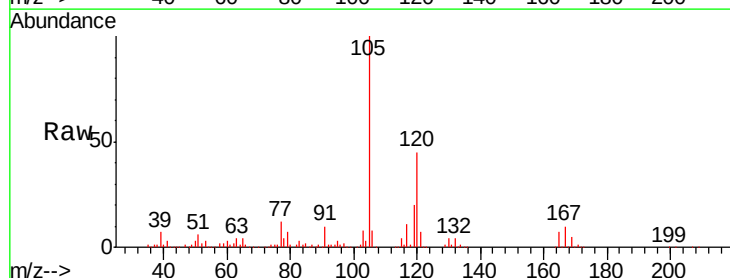
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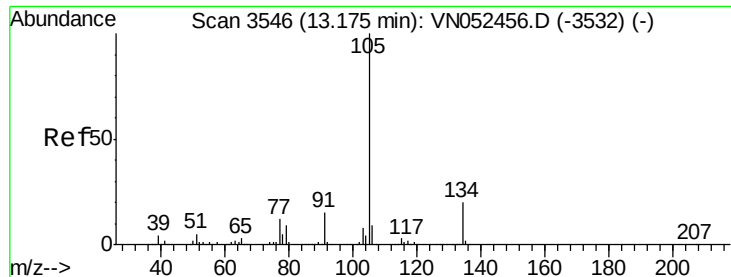
MMDadoda
11/27/2018 3:52:15 PM



#80
1,2,4-Trimethylbenzene
Concen: 19.73 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	792457		
120	44.9	0.0	91.0	





#81

sec-Butylbenzene

Concen: 19.41 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

ClientSampleId :

VN1126WBSD01

Tgt Ion:105 Resp: 944797

Ion Ratio Lower Upper

105 100

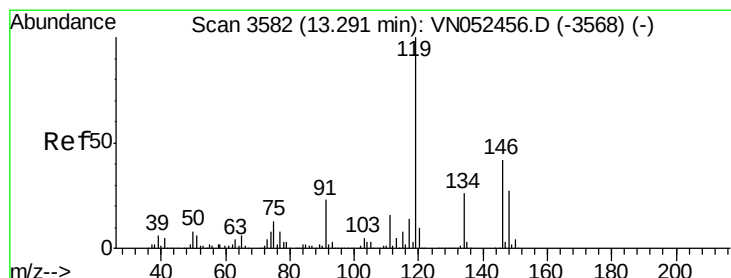
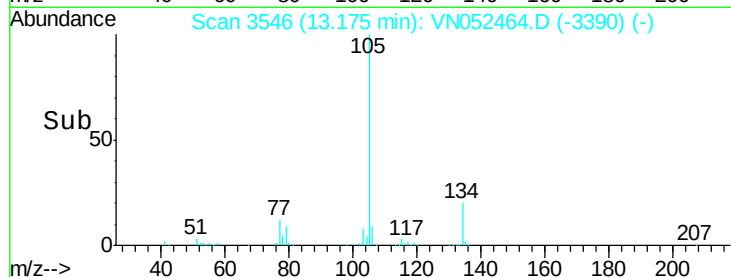
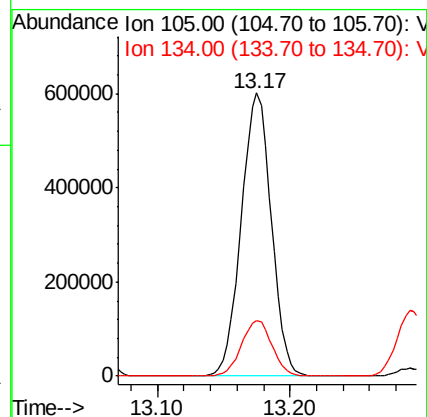
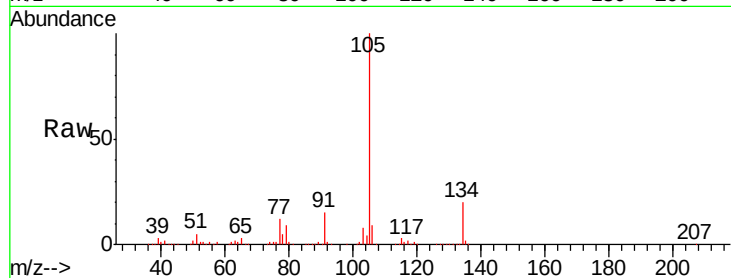
134 20.0 0.0 40.4

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 19.22 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

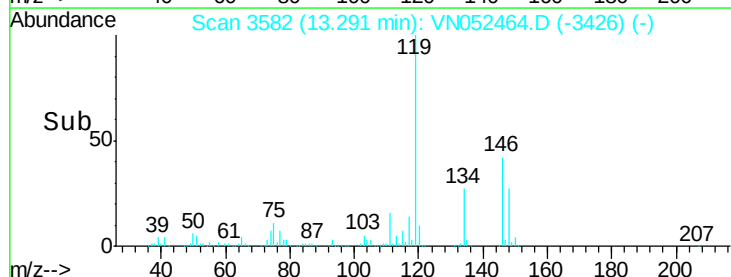
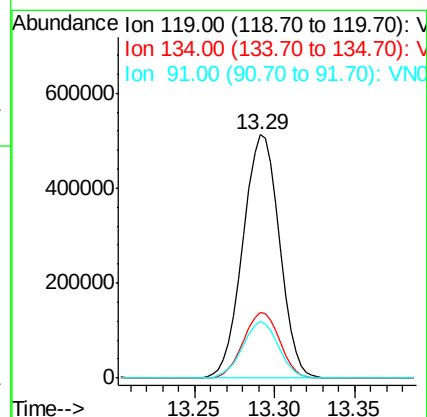
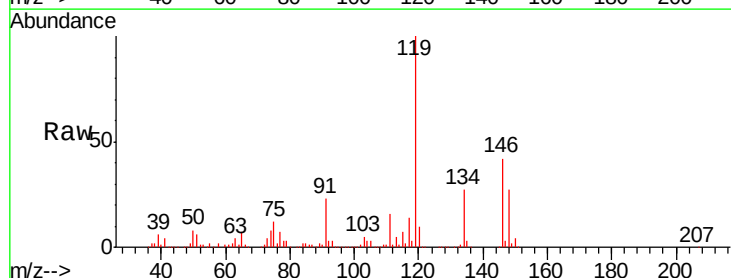
Tgt Ion:119 Resp: 796962

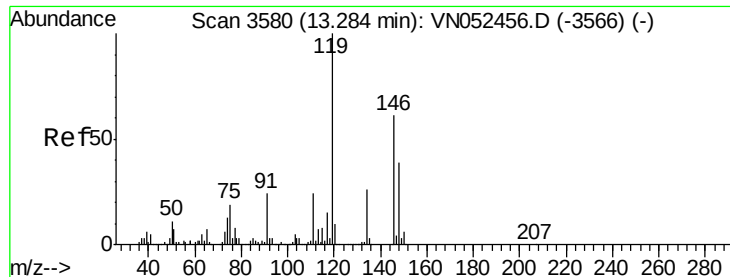
Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.6

91 23.0 0.0 46.2





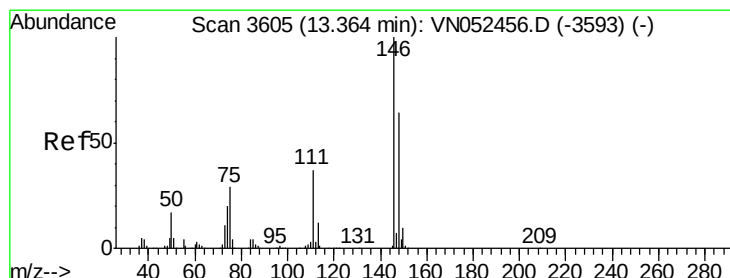
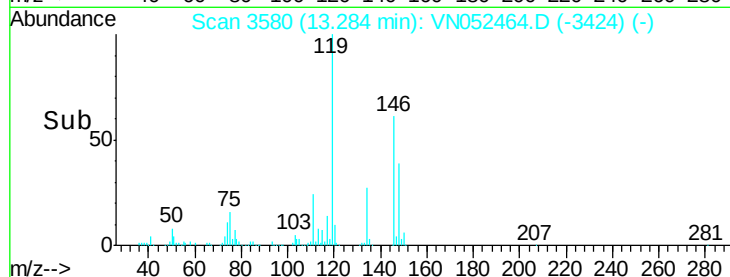
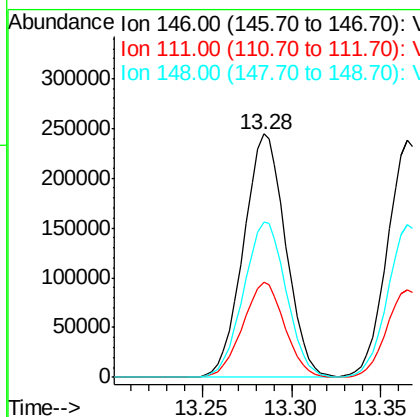
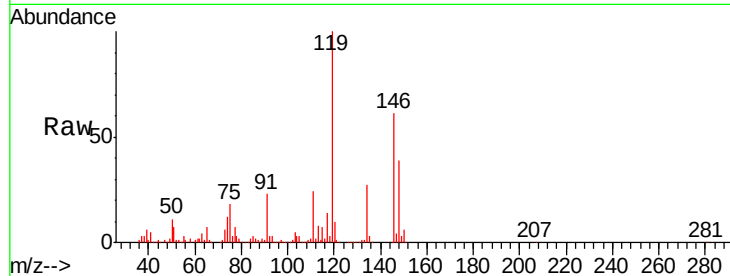
#83
 1,3-Dichlorobenzene
 Concen: 19.13 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.6	32.3	96.8

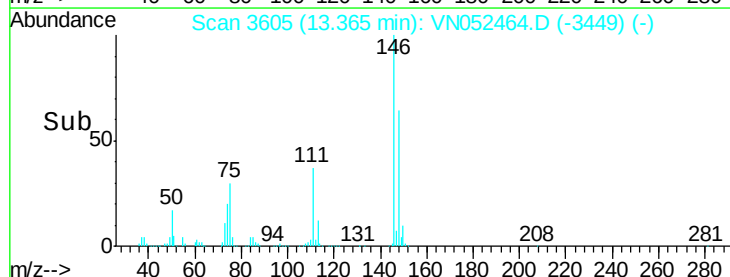
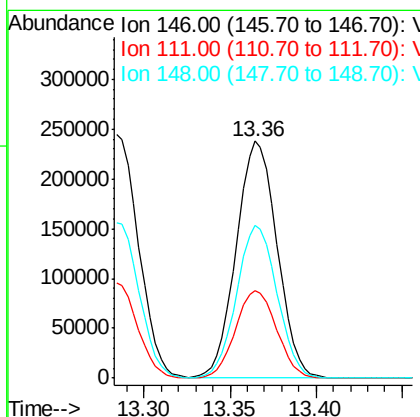
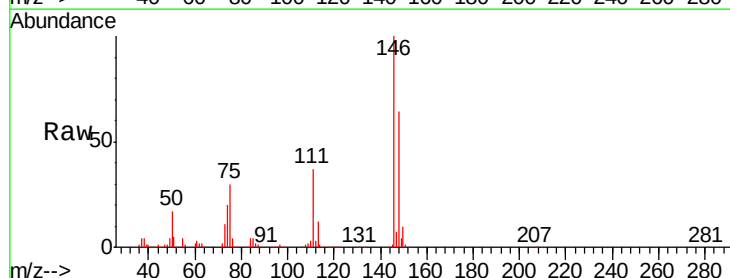
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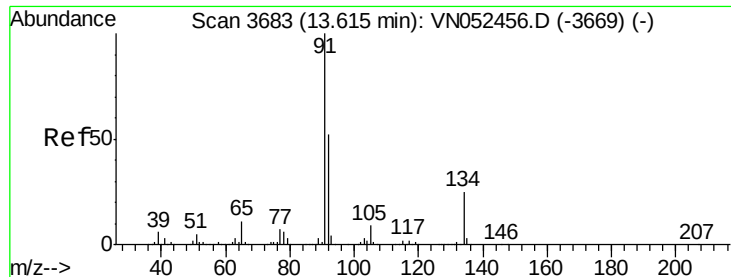
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 11/27/2018 3:52:15 PM



#84
 1,4-Dichlorobenzene
 Concen: 19.15 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.3
148	64.2	32.5	97.4





#85

n-Butylbenzene

Concen: 18.46 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Instrument :

MSVOA_N

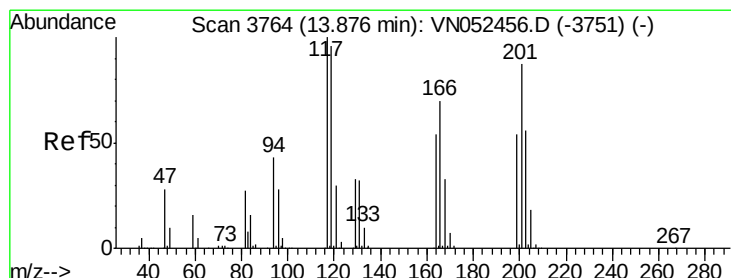
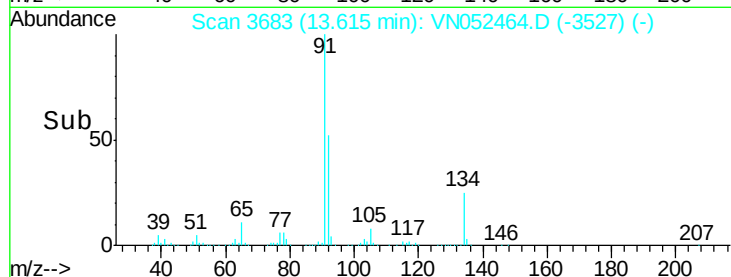
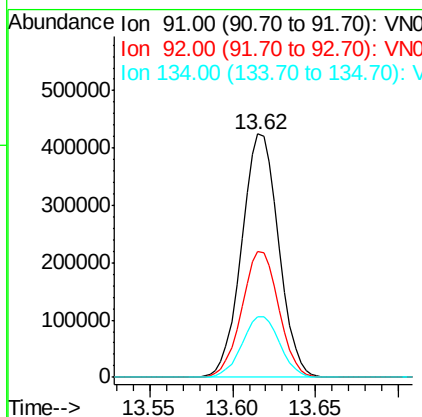
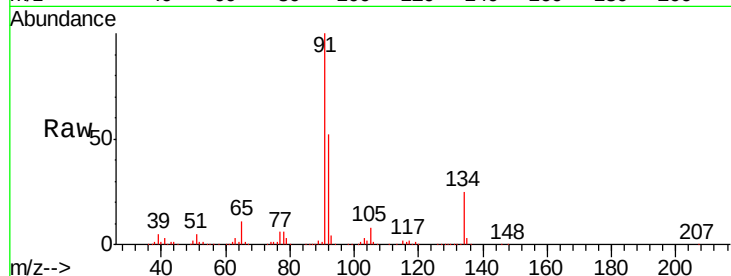
ClientSampleId :

VN1126WBSD01

Tgt Ion:	91	Resp:	657257
Ion	Ratio	Lower	Upper
91	100		
92	51.7	0.0	104.2
134	25.5	0.0	50.6

Manual Integrations
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#86

Hexachloroethane

Concen: 18.93 ug/l

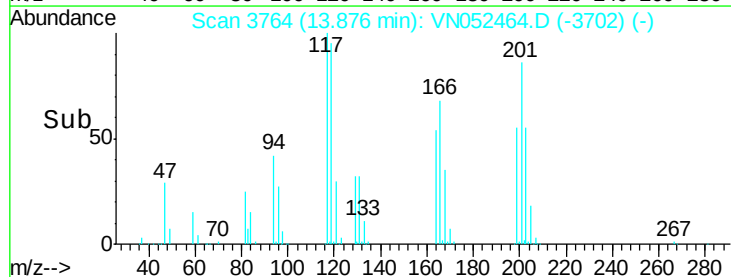
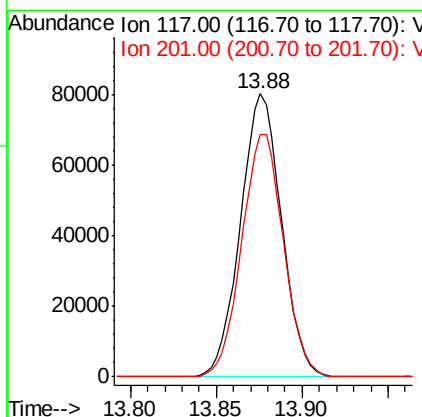
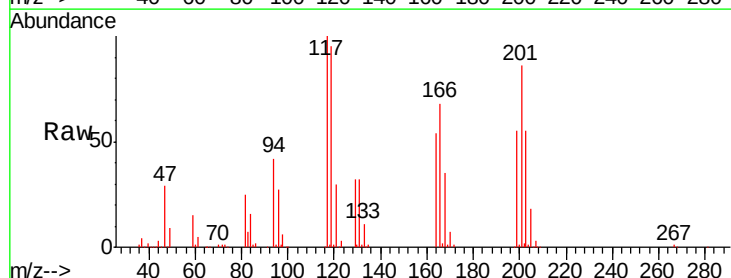
RT: 13.88 min Scan# 3764

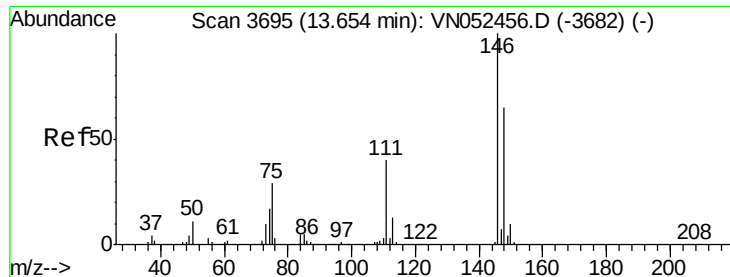
Delta R.T. 0.00 min

Lab File: VN052464.D

Acq: 26 Nov 2018 17:38

Tgt Ion:	117	Resp:	132992
Ion	Ratio	Lower	Upper
117	100		
201	87.1	43.8	131.3





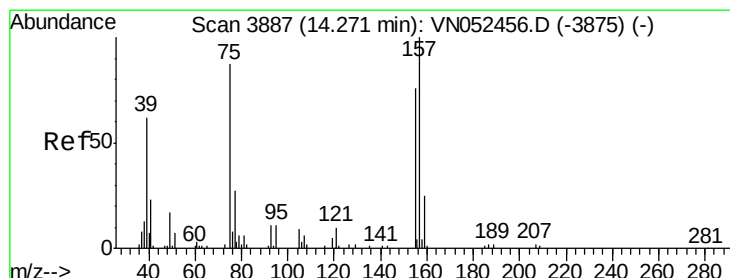
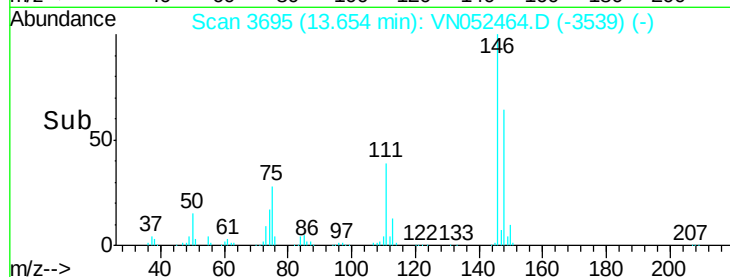
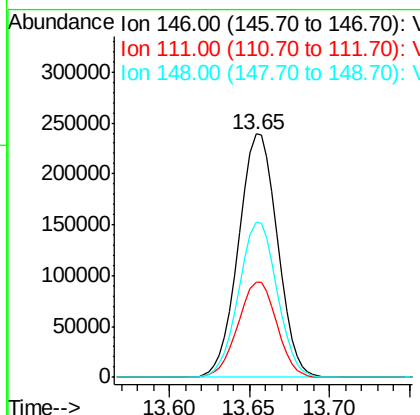
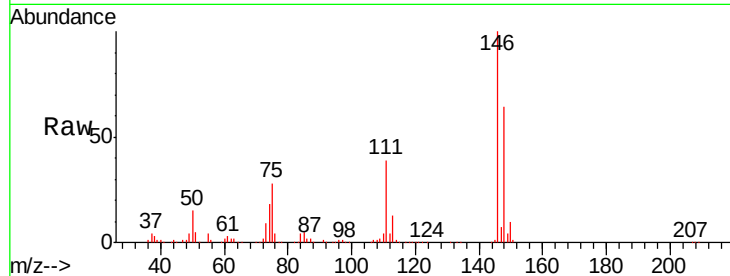
#87
 1,2-Dichlorobenzene
 Concen: 19.70 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	396325		
111	39.2	20.3	60.8	
148	63.1	32.1	96.5	

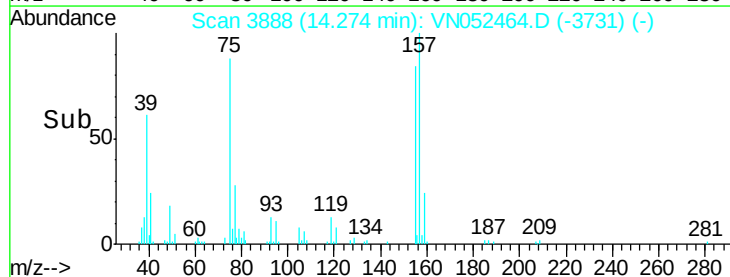
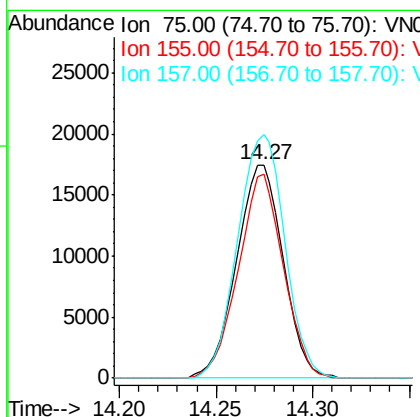
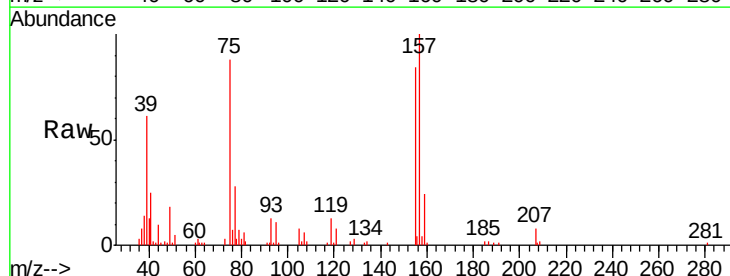
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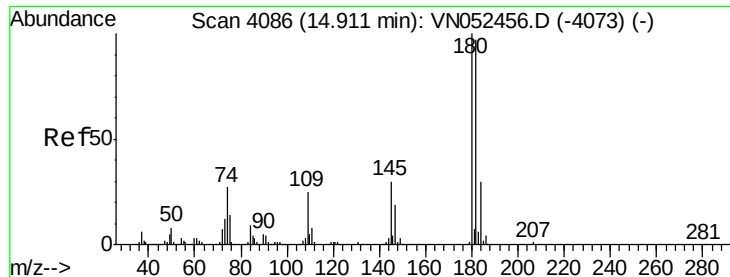
MMDadoda
 11/27/2018 3:52:15 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.36 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29305		
155	92.1	72.2	108.2	
157	115.4	94.2	141.2	





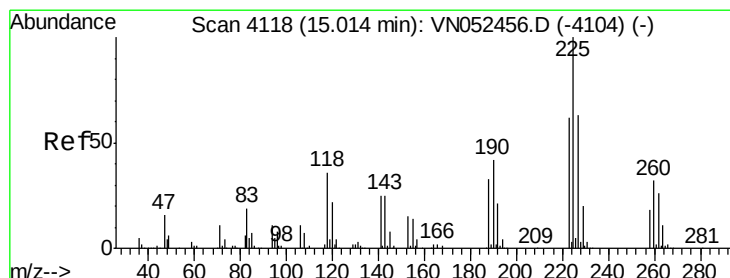
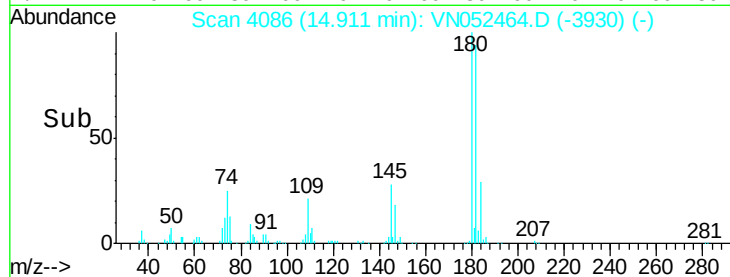
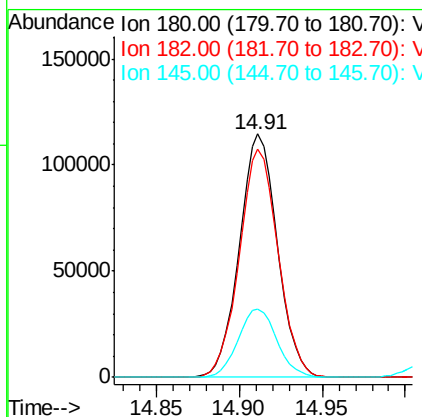
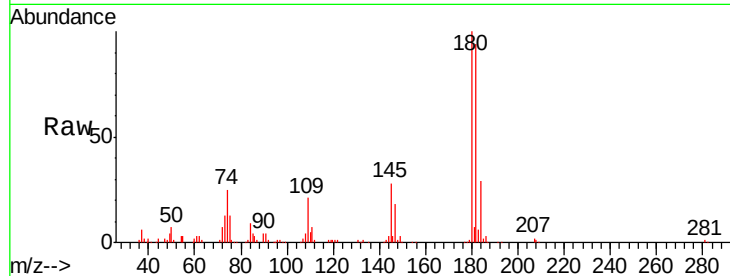
#89
 1,2,4-Trichlorobenzene
 Concen: 18.39 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	182233		
182	95.5	76.6	114.8	
145	28.9	23.6	35.4	

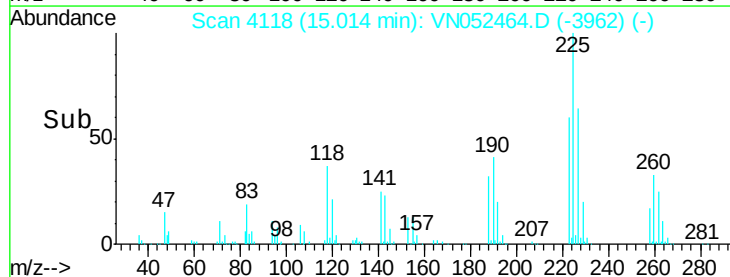
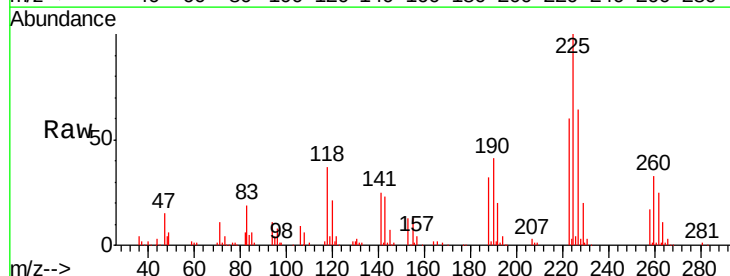
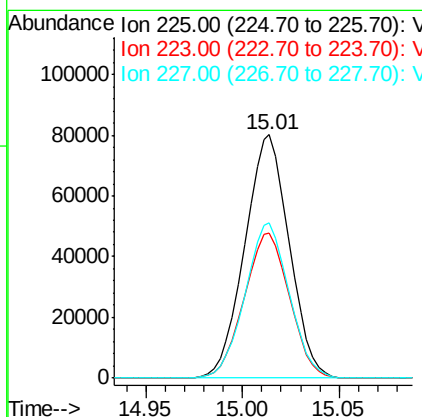
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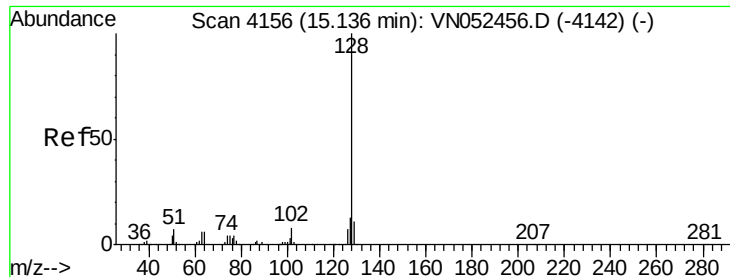
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 11/27/2018 3:52:15 PM



#90
 Hexachlorobutadiene
 Concen: 19.73 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052464.D
 Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	128233		
223	60.9	0.0	125.6	
227	63.4	0.0	127.8	





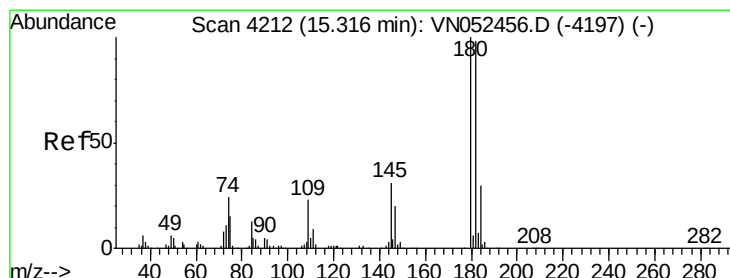
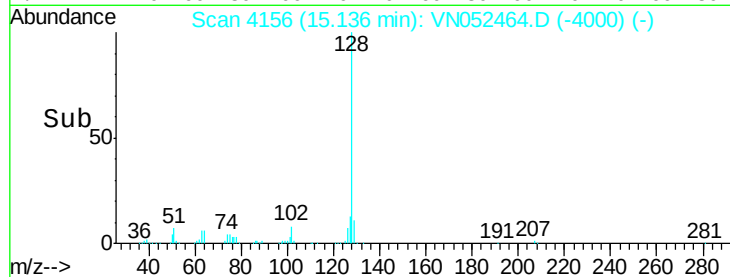
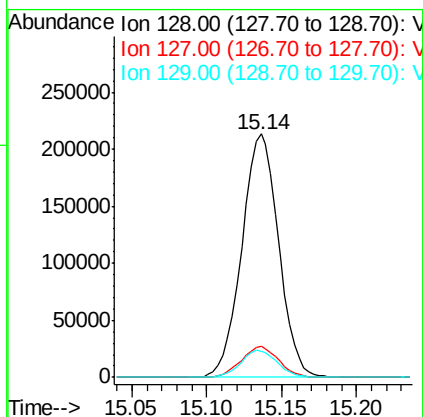
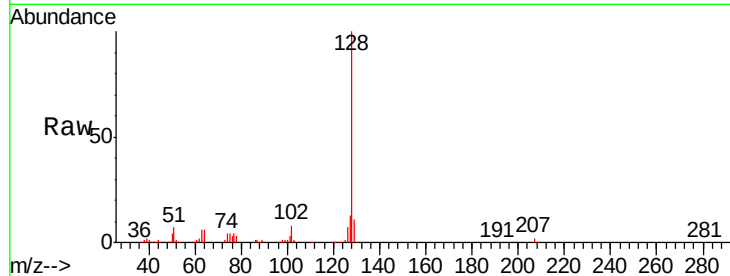
#91
Naphthalene
Concen: 18.22 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	364591		
127	12.7	9.9	14.9	
129	11.0	8.5	12.7	

Manual Integrations
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11/27/2018 3:52:15 PM



#92
1,2,3-Trichlorobenzene
Concen: 18.61 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052464.D
Acq: 26 Nov 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	169931		
182	96.0	0.0	196.2	
145	31.8	0.0	62.2	

