

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103018\
 Data File : VN052056.D
 Acq On : 30 Oct 2018 9:52
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:47:44 AM

Quant Time: Oct 31 02:36:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:21:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	218807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	417357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	366739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142732	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	20107	5.84	ug/l	0.00
Spiked Amount			Recovery	=	11.68%	
35) Dibromofluoromethane	7.59	113	14009	5.60	ug/l	0.00
Spiked Amount			Recovery	=	11.20%	
50) Toluene-d8	10.09	98	55411	5.45	ug/l	0.00
Spiked Amount			Recovery	=	10.90%	
62) 4-Bromofluorobenzene	12.40	95	19511	5.17	ug/l	0.00
Spiked Amount			Recovery	=	10.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	11392	4.513	ug/l	98
3) Chloromethane	2.06	50	17457	5.511	ug/l	96
4) Vinyl Chloride	2.19	62	19276	5.502	ug/l	99
5) Bromomethane	2.57	94	15731	5.566	ug/l	94
6) Chloroethane	2.71	64	13669	6.017	ug/l	96
7) Trichlorofluoromethane	3.02	101	23031	5.828	ug/l	97
8) Diethyl Ether	3.41	74	8433	5.735	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	14146	6.280	ug/l #	82
10) Methyl Iodide	3.96	142	14572	4.510	ug/l #	93
11) Tert butyl alcohol	4.77	59	4781m	30.600	ug/l	
12) 1,1-Dichloroethene	3.74	96	12344	5.763	ug/l	90
13) Acrolein	3.61	56	3767	22.478	ug/l #	80
14) Allyl chloride	4.33	41	26164	5.989	ug/l #	87
15) Acrylonitrile	5.00	53	27620	29.643	ug/l #	92
16) Acetone	3.82	43	20007	26.056	ug/l	93
17) Carbon Disulfide	4.06	76	36249	5.199	ug/l #	94
18) Methyl Acetate	4.32	43	14473	6.067	ug/l #	67
19) Methyl tert-butyl Ether	5.04	73	40972	5.720	ug/l	98
20) Methylene Chloride	4.55	84	16347	6.189	ug/l	88
21) trans-1,2-Dichloroethene	5.05	96	14578	5.997	ug/l #	87
22) Diisopropyl ether	5.95	45	53314	5.467	ug/l #	91
23) Vinyl Acetate	5.90	43	180781	28.027	ug/l	97
24) 1,1-Dichloroethane	5.85	63	30657	5.710	ug/l	98
25) 2-Butanone	6.83	43	33218	30.634	ug/l	93
26) 2,2-Dichloropropane	6.83	77	22141	5.052	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	16600	5.510	ug/l	94
28) Bromochloromethane	7.20	49	14903	5.069	ug/l	96
29) Tetrahydrofuran	7.21	42	21469	27.751	ug/l	97
30) Chloroform	7.37	83	29089	5.308	ug/l	95
31) Cyclohexane	7.66	56	33836	3.971	ug/l #	88
32) 1,1,1-Trichloroethane	7.57	97	22317	5.358	ug/l #	92
36) 1,1-Dichloropropene	7.79	75	22400	5.405	ug/l #	71
37) Ethyl Acetate	6.93	43	15841	6.411	ug/l #	73
38) Carbon Tetrachloride	7.77	117	17273	5.019	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	25367	5.128	ug/l	94
40) Benzene	8.05	78	65630	5.599	ug/l	100
41) Methacrylonitrile	7.16	41	5511	5.812	ug/l #	69
42) 1,2-Dichloroethane	8.12	62	24826	5.336	ug/l	97
43) Isopropyl Acetate	8.16	43	27442	5.737	ug/l #	84
44) Trichloroethene	8.83	130	14155	5.485	ug/l	93
45) 1,2-Dichloropropane	9.12	63	18409	5.190	ug/l	92
46) Dibromomethane	9.21	93	10435	5.765	ug/l	96
47) Bromodichloromethane	9.40	83	21066	5.575	ug/l	98
48) Methyl methacrylate	9.20	41	14477	5.988	ug/l	93
49) 1,4-Dioxane	9.19	88	2228m	185.653	ug/l	
51) 4-Methyl-2-Pentanone	9.98	43	74330	28.667	ug/l	96
52) Toluene	10.16	92	37974	5.396	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	21201	5.240	ug/l	94
54) cis-1,3-Dichloropropene	9.84	75	23715	5.406	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	13927	5.531	ug/l	96
56) Ethyl methacrylate	10.43	69	18446	5.007	ug/l	93
57) 1,3-Dichloropropane	10.71	76	26584	5.739	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	53734	28.471	ug/l	99
59) 2-Hexanone	10.75	43	56661	30.427	ug/l	96
60) Dibromochloromethane	10.90	129	11821	4.938	ug/l	90
61) 1,2-Dibromoethane	11.00	107	12856	5.144	ug/l	99
64) Tetrachloroethene	10.63	164	12841	6.092	ug/l	88
65) Chlorobenzene	11.43	112	40420	5.375	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.51	131	11502	5.014	ug/l	93
67) Ethyl Benzene	11.51	91	72208	5.482	ug/l	99
68) m/p-Xylenes	11.62	106	50471	11.039	ug/l	92
69) o-Xylene	11.95	106	26361	5.911	ug/l	100
70) Styrene	11.96	104	40074	5.450	ug/l	96
71) Bromoform	12.13	173	6113	5.007	ug/l #	84
73) Isopropylbenzene	12.25	105	67139	5.970	ug/l	97
74) N-amyl acetate	12.07	43	22684	5.307	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	16389	5.781	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	13892m	5.748	ug/l	
77) Bromobenzene	12.53	156	13347	5.474	ug/l	91
78) n-propylbenzene	12.59	91	79442	5.620	ug/l	99
79) 2-Chlorotoluene	12.67	91	49361	6.218	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	53667	5.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	3253	4.392	ug/l #	66
82) 4-Chlorotoluene	12.77	91	47696	5.938	ug/l	99
83) tert-Butylbenzene	12.99	119	44571	5.604	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	53583	5.865	ug/l	100
85) sec-Butylbenzene	13.17	105	63369	5.633	ug/l	100
86) p-Isopropyltoluene	13.29	119	50046	5.485	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	25087	5.629	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	25177	5.550	ug/l	95
89) n-Butylbenzene	13.61	91	48739	5.529	ug/l	99
90) Hexachloroethane	13.87	117	8014	5.039	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	24442	5.982	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	1908	7.362	ug/l	86

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MSVOA_N
ClientSampleId :
VSTDICC005

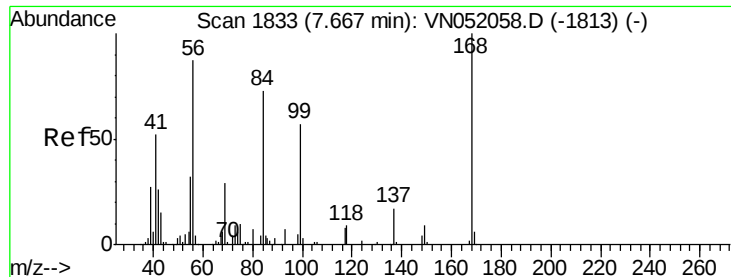
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	7691	5.214	ug/l	92
94) Hexachlorobutadiene	15.01	225	5591	6.472	ug/l	86
95) Naphthalene	15.14	128	18308	4.682	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	6635	4.954	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 218807

Ion Ratio Lower Upper

168 100

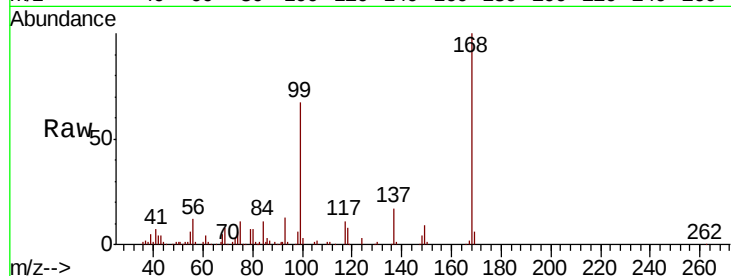
99 66.7 56.6 85.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

100000

80000

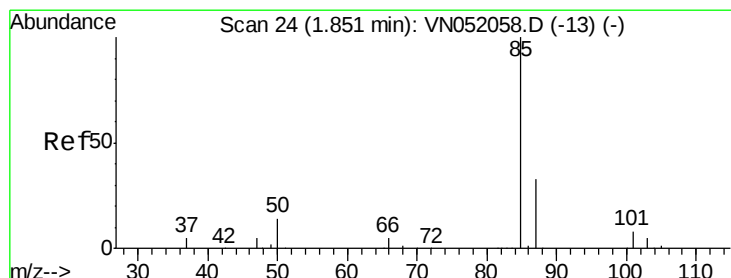
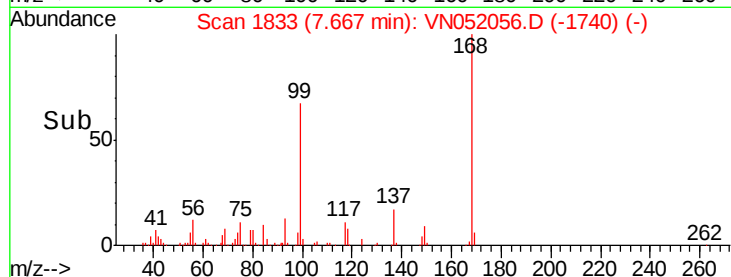
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.513 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052056.D

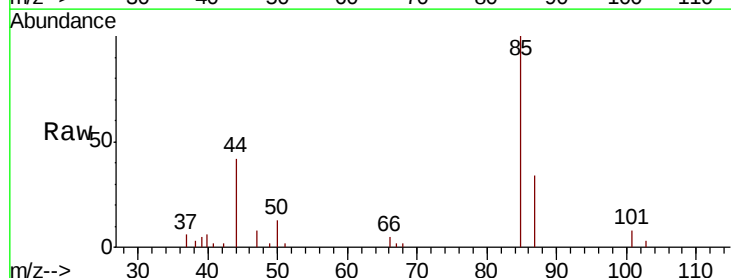
Acq: 30 Oct 2018 9:52

Tgt Ion: 85 Resp: 11392

Ion Ratio Lower Upper

85 100

87 33.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

8000

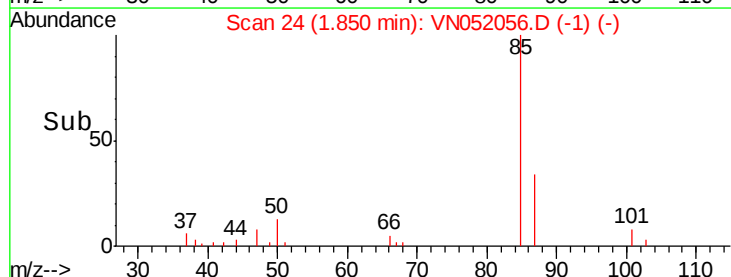
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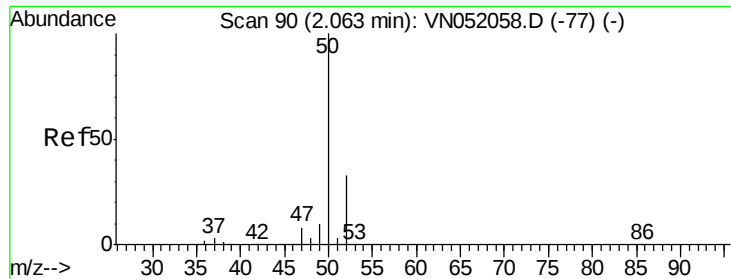
4000

2000

0

Time-->





#3

Chloromethane

Concen: 5.511 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 17457

Ion Ratio Lower Upper

50 100

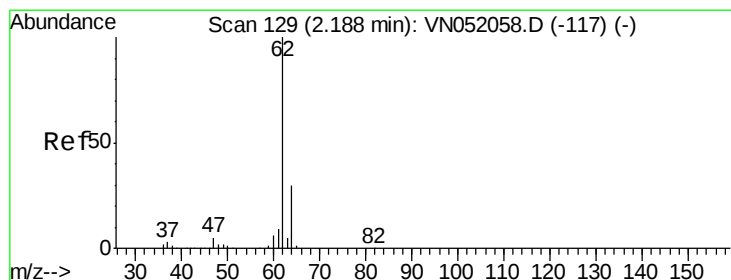
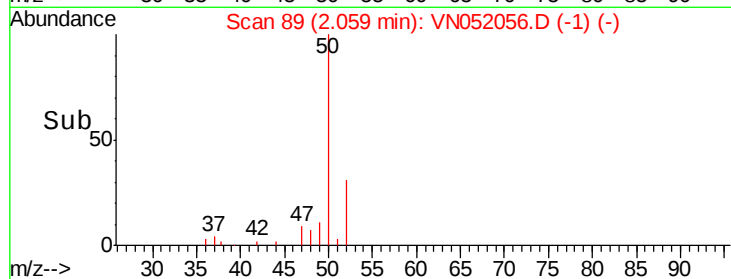
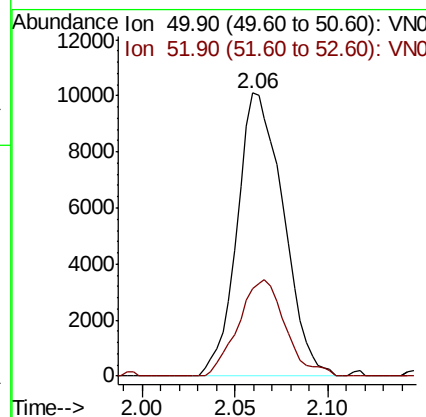
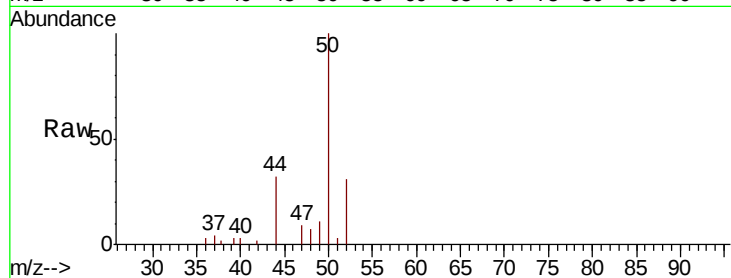
52 31.0 26.6 39.8

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#4

Vinyl Chloride

Concen: 5.502 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052056.D

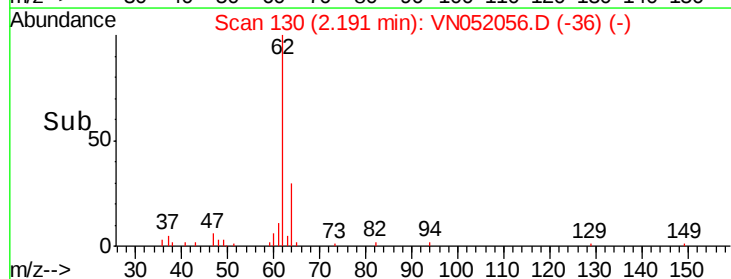
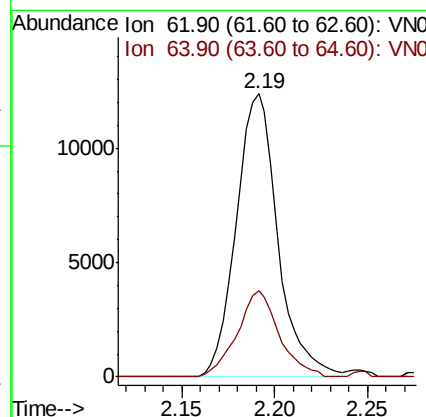
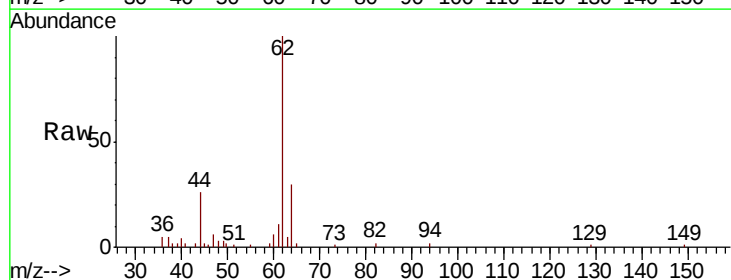
Acq: 30 Oct 2018 9:52

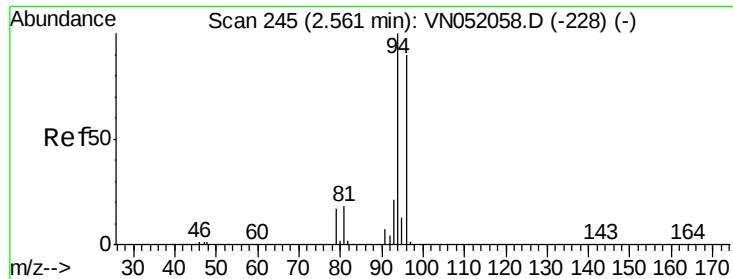
Tgt Ion: 62 Resp: 19276

Ion Ratio Lower Upper

62 100

64 30.3 23.7 35.5





#5

Bromomethane

Concen: 5.566 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 15731

Ion Ratio Lower Upper

94 100

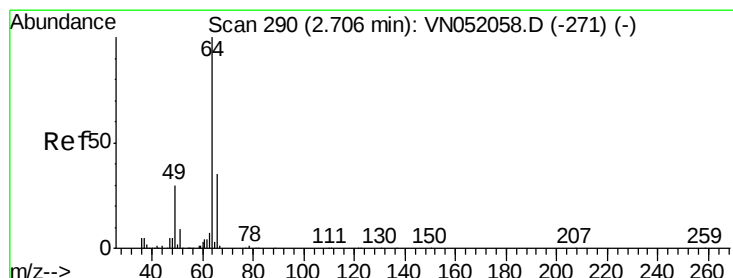
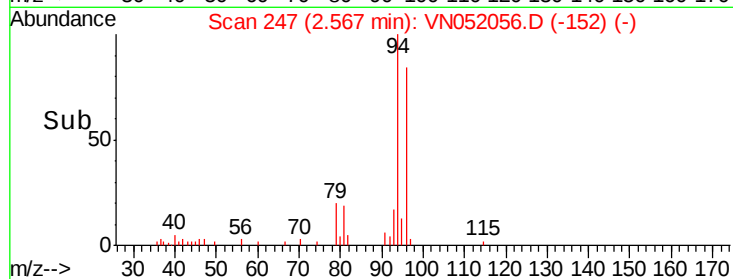
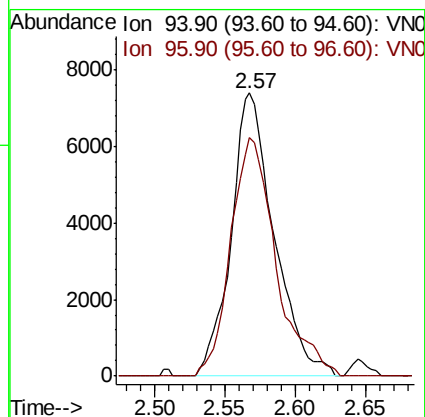
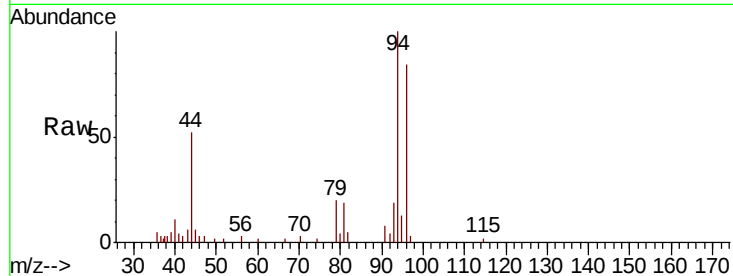
96 84.2 71.8 107.6

Manual Integrations

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#6

Chloroethane

Concen: 6.017 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052056.D

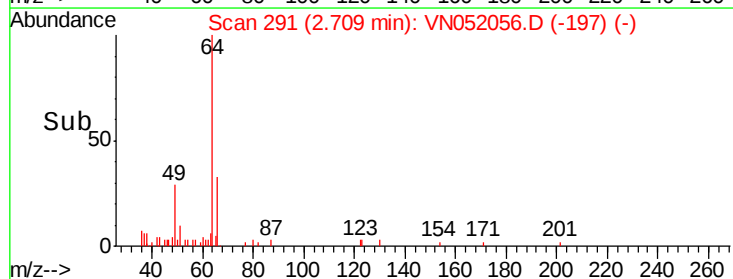
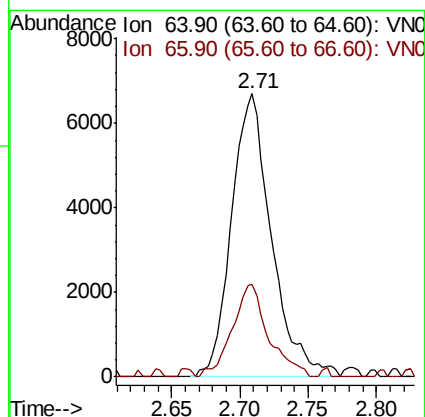
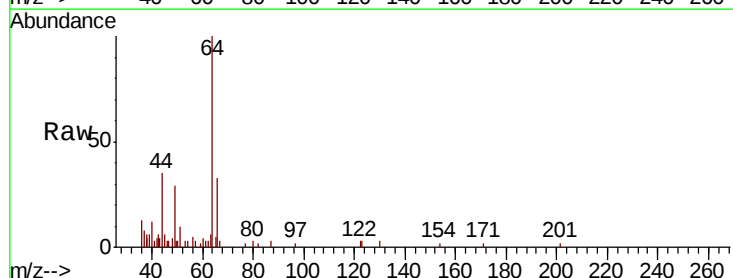
Acq: 30 Oct 2018 9:52

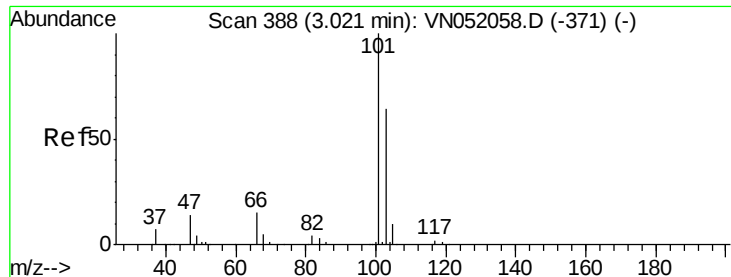
Tgt Ion: 64 Resp: 13669

Ion Ratio Lower Upper

64 100

66 32.7 27.9 41.9





#7

Trichlorofluoromethane

Concen: 5.828 ug/l

RT: 3.02 min Scan# 389

Delta R.T. 0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 23031

Ion Ratio Lower Upper

101 100

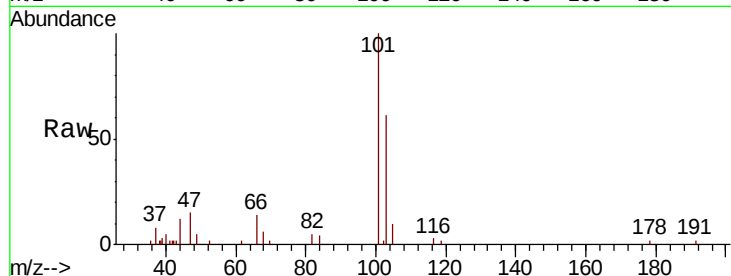
103 61.0 51.0 76.4

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.02

12000

10000

8000

6000

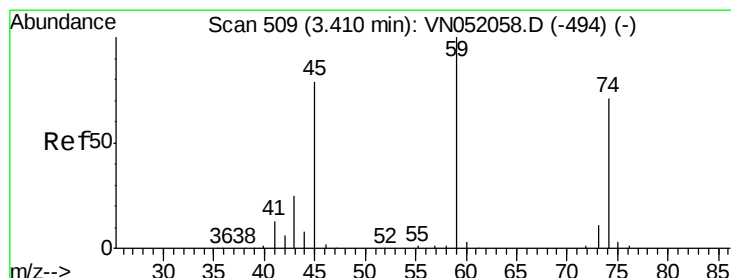
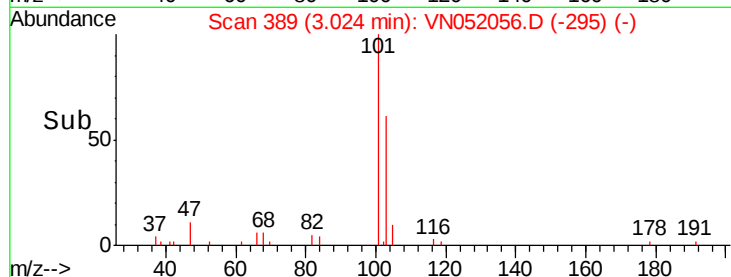
4000

2000

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Time-->

2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 5.735 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN052056.D

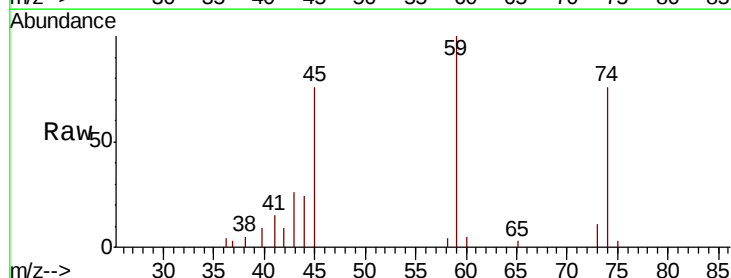
Acq: 30 Oct 2018 9:52

Tgt Ion: 74 Resp: 8433

Ion Ratio Lower Upper

74 100

45 115.8 55.6 166.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

5000

4000

3000

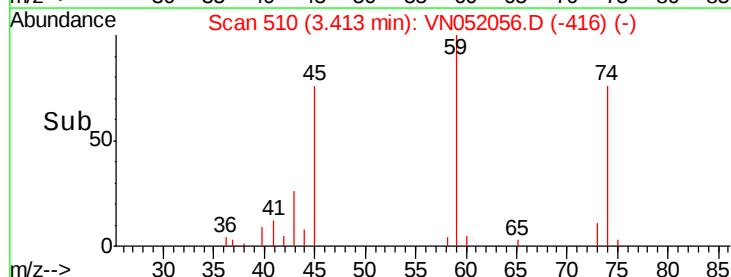
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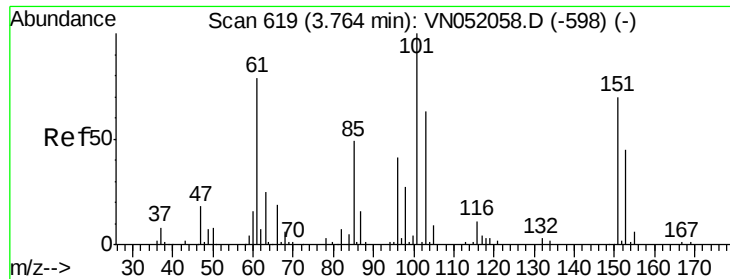
1000

0

Time-->

3.35 3.40 3.45





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.280 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052056.D

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MSVOA_N

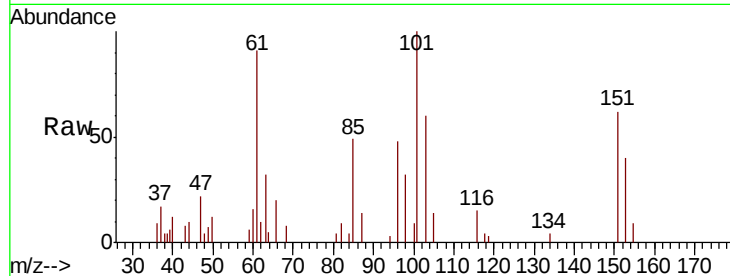
ClientSampleId :

VSTDIC005

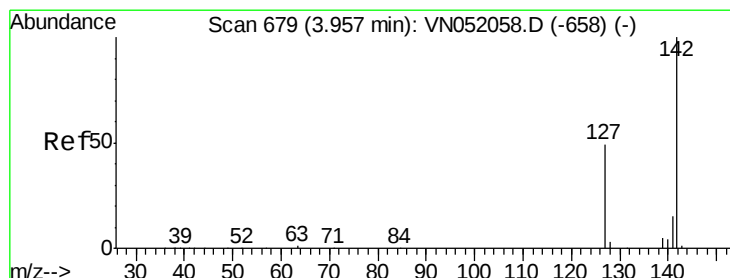
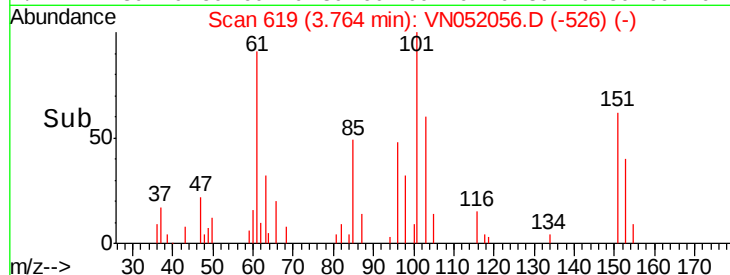
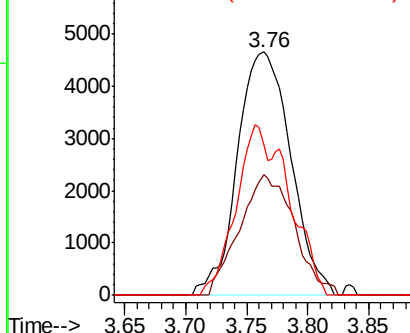
Tot Ion:	101	Resp:	14146
Ion Ratio	Lower	Upper	
101	100		
85	50.7	38.6	58.0
151	43.3	52.6	78.8#

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.510 ug/l

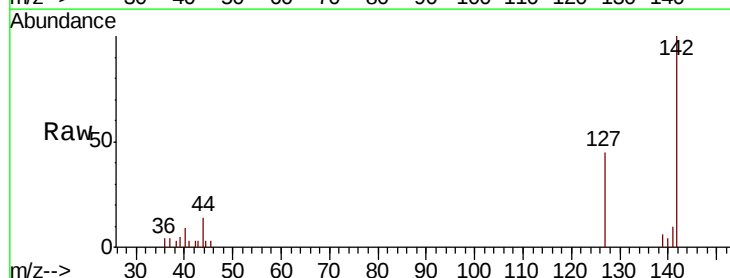
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

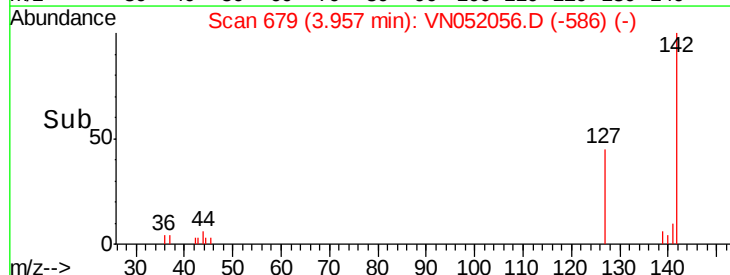
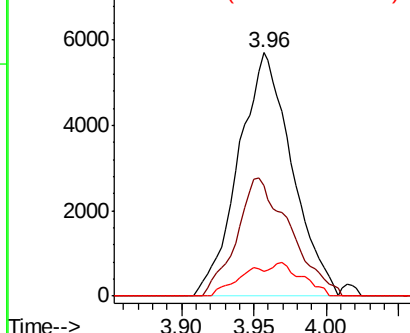
Lab File: VN052056.D

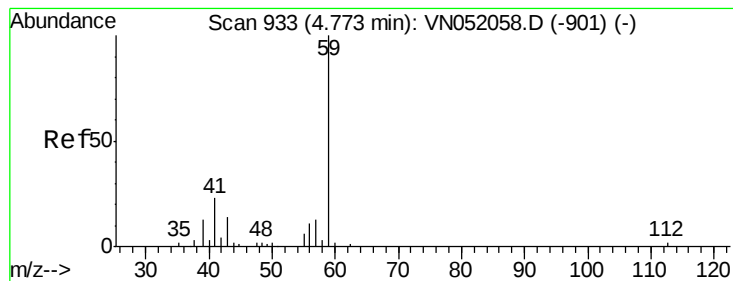
Acq: 30 Oct 2018 9:52

Tgt Ion:	142	Resp:	14572
Ion Ratio	Lower	Upper	
142	100		
127	48.9	37.3	55.9
141	6.1	11.4	17.2#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

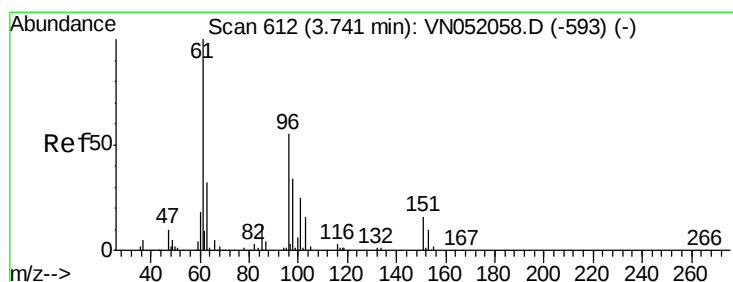
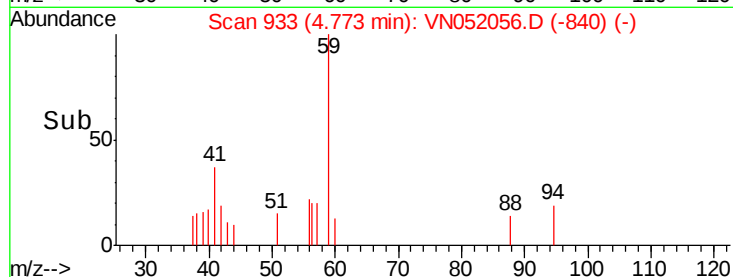
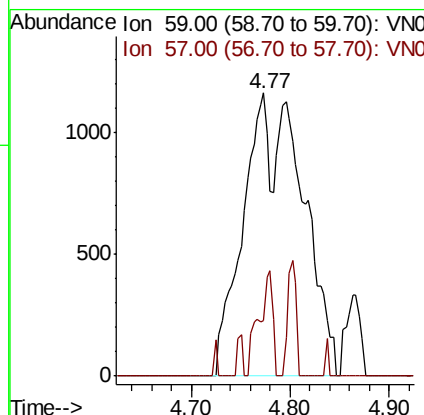
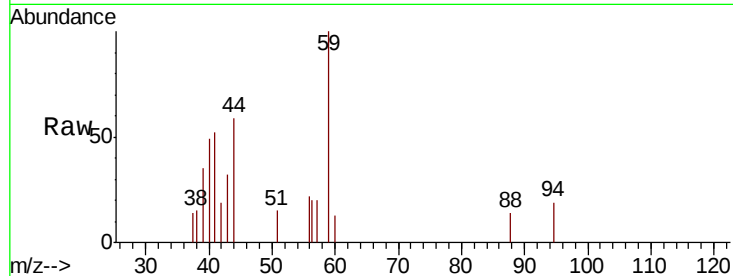
Tert butyl alcohol
Concen: 30.600 ug/l m
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	59	57	Ratio	100	8.7	Resp:	4781	Lower	7.0	Upper	10.6

Manual Integrations
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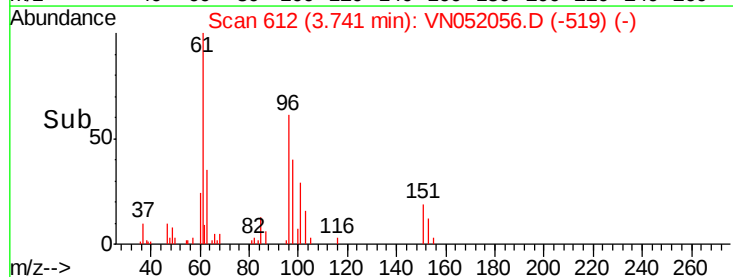
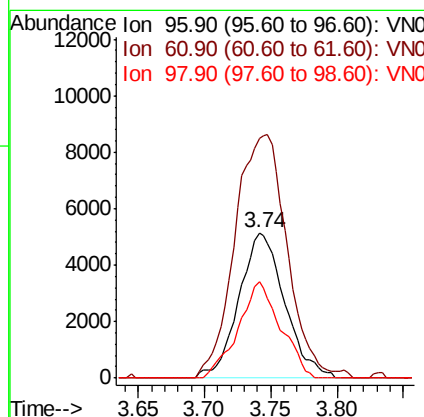
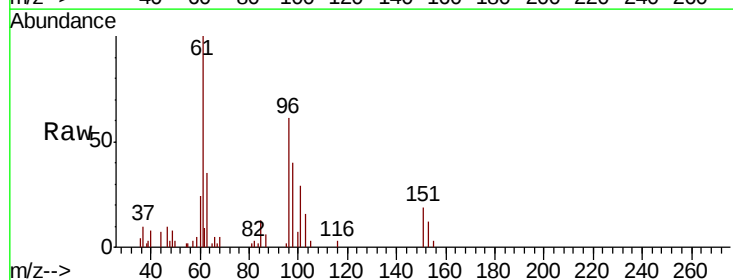
MMDadoda
11/1/2018 11:47:44 AM

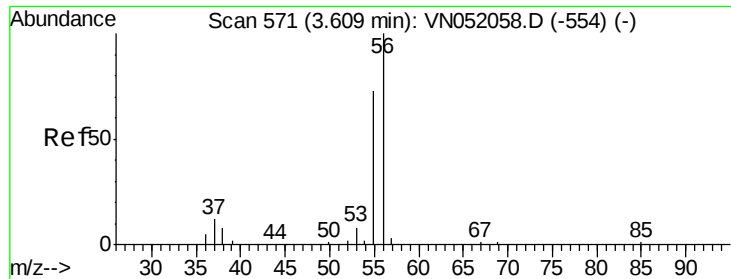


#12

1,1-Dichloroethene
Concen: 5.763 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion	96	61	98	Ratio	100	164.8	65.9	Resp:	12344	Lower	145.7	Upper	218.5	74.8





#13

Acrolein

Concen: 22.478 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 3767

Ion Ratio Lower Upper

56 100

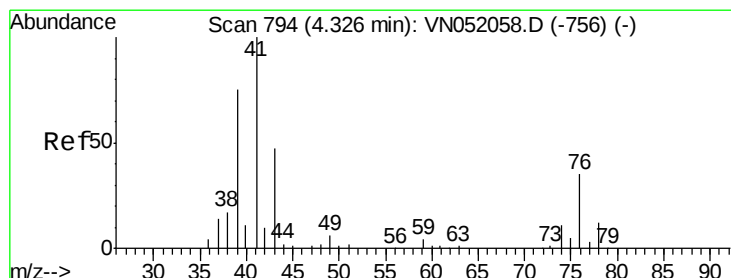
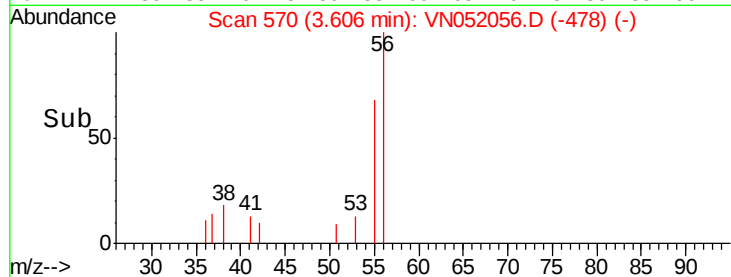
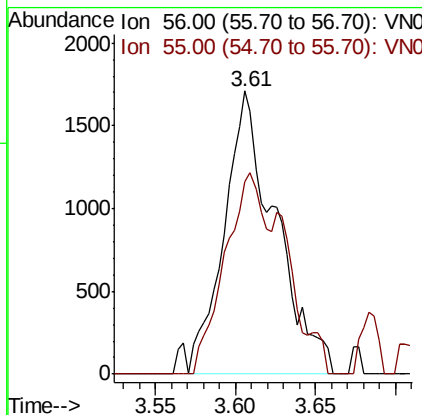
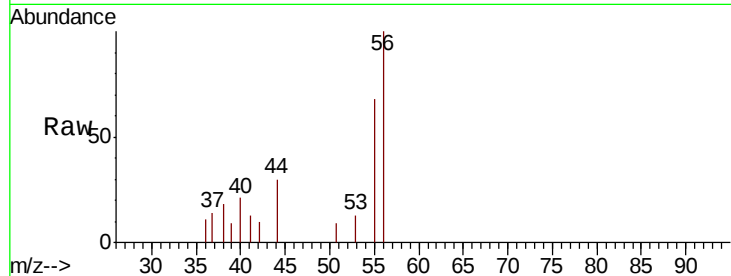
55 57.6 59.9 89.9#

Manual Integrations

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#14

Allyl chloride

Concen: 5.989 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

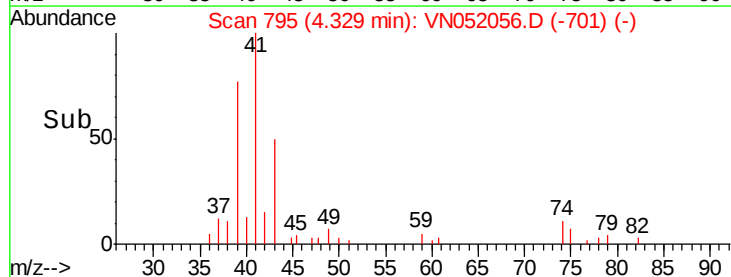
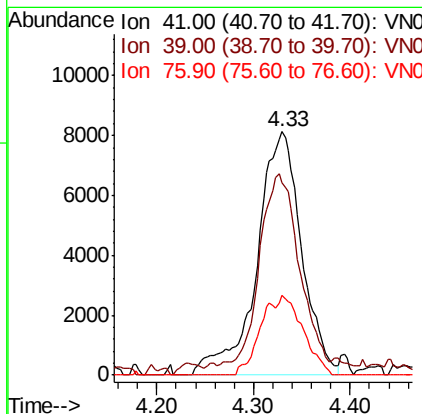
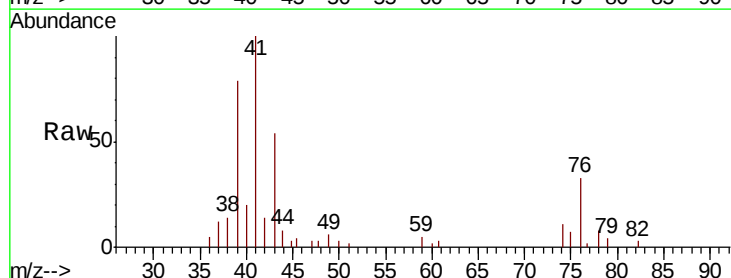
Tgt Ion: 41 Resp: 26164

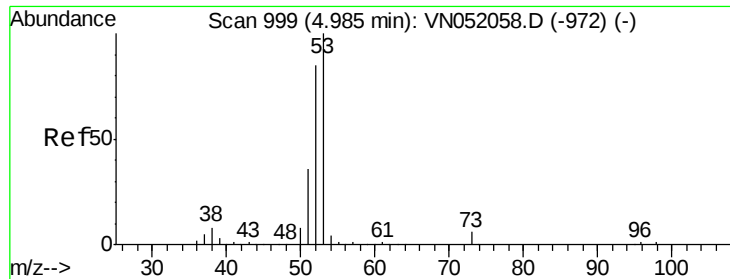
Ion Ratio Lower Upper

41 100

39 70.2 58.1 87.1

76 12.5 26.0 39.0#





#15

Acrylonitrile

Concen: 29.643 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

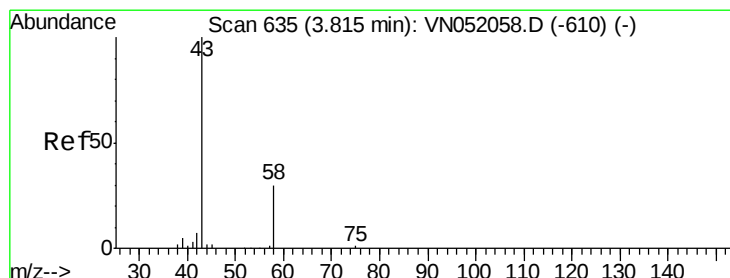
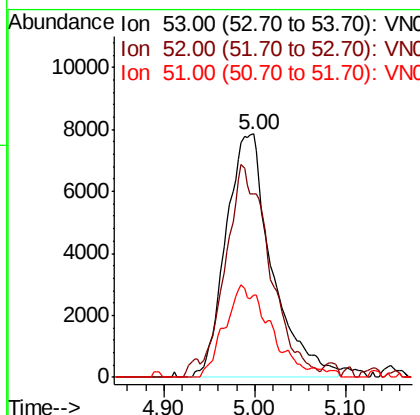
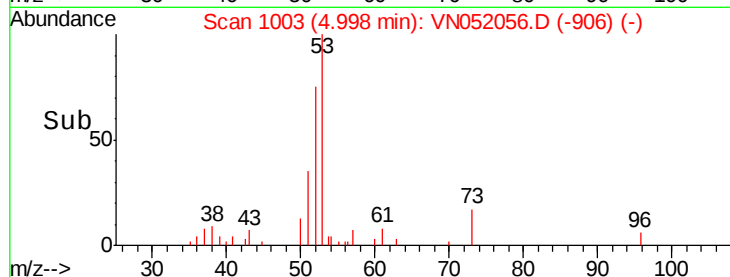
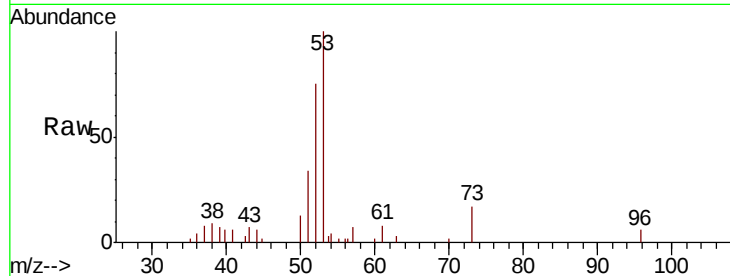
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	27620
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	20.4	29.0	43.6#

Manual Integrations
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#16

Acetone

Concen: 26.056 ug/l

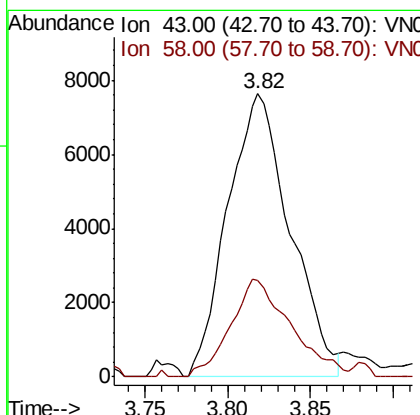
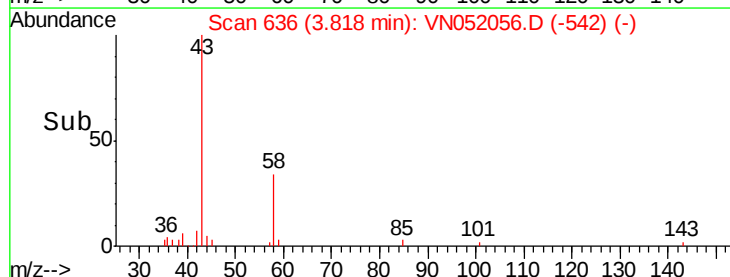
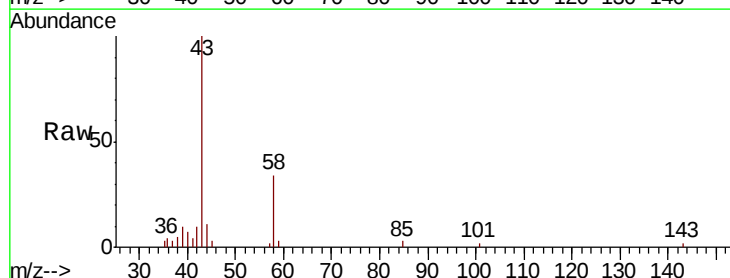
RT: 3.82 min Scan# 636

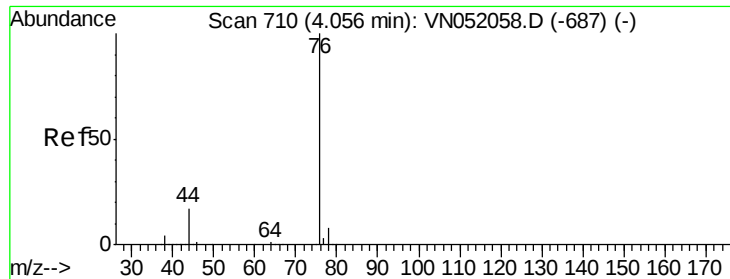
Delta R.T. 0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Tgt Ion:	43	Resp:	20007
Ion	Ratio	Lower	Upper
43	100		
58	34.2	24.2	36.2





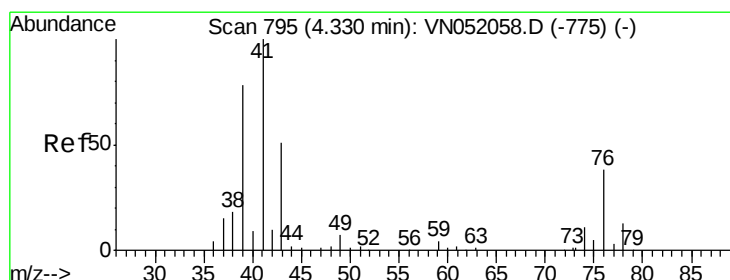
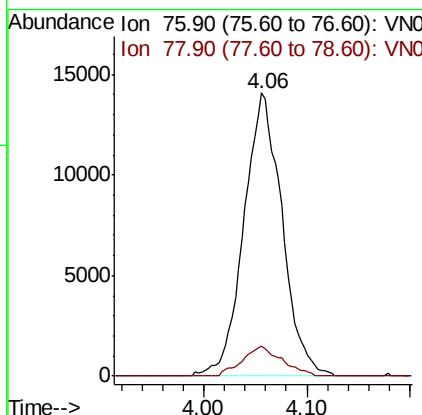
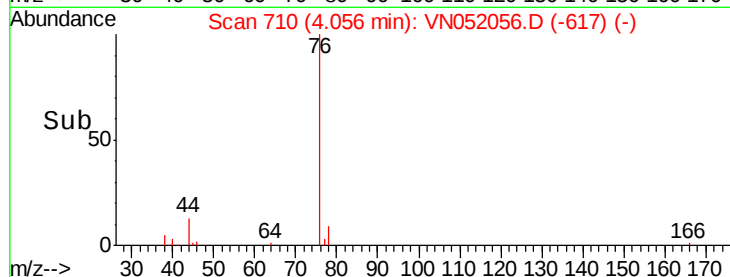
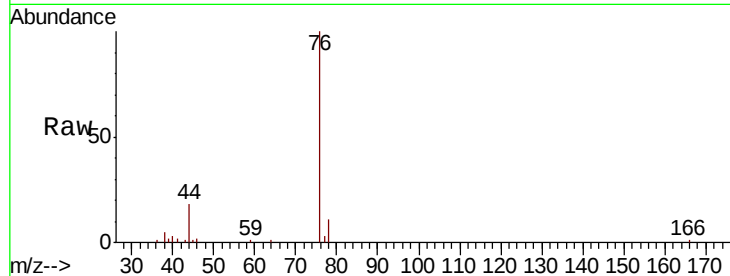
#17
Carbon Disulfide
Concen: 5.199 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.5	6.8	10.2#

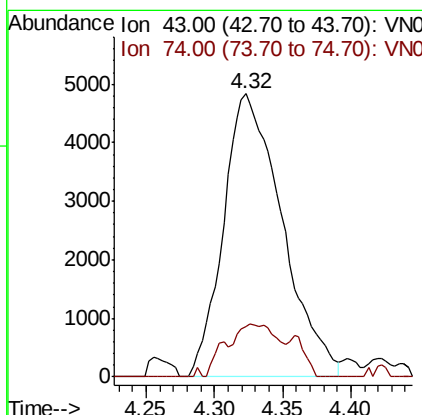
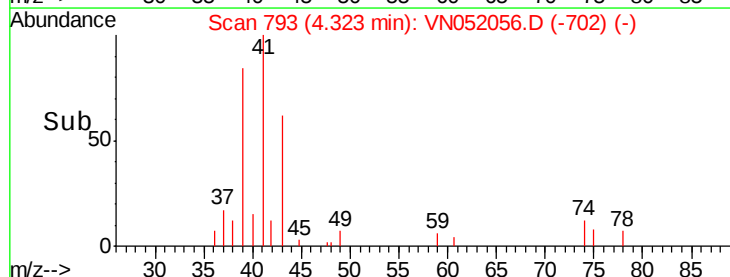
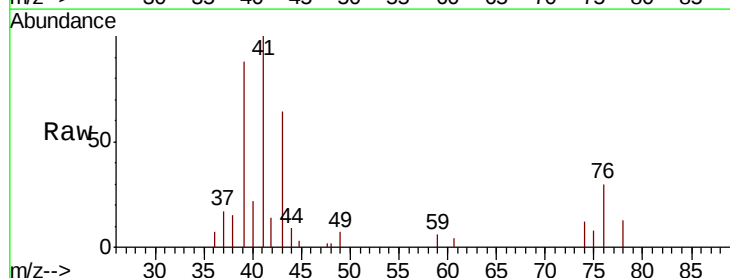
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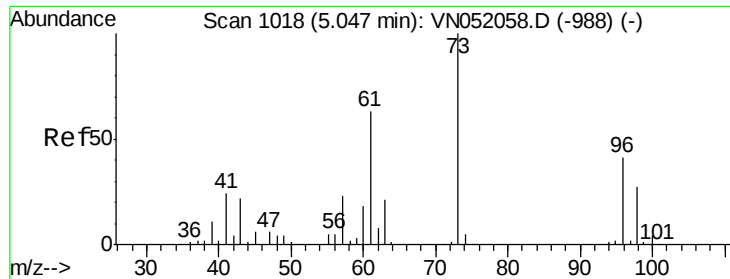
MMDadoda
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#18
Methyl Acetate
Concen: 6.067 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	6.7	17.9	26.9#





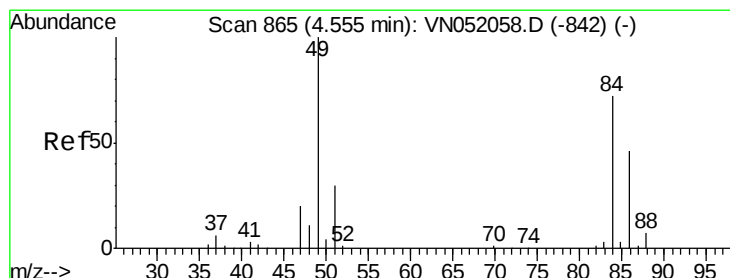
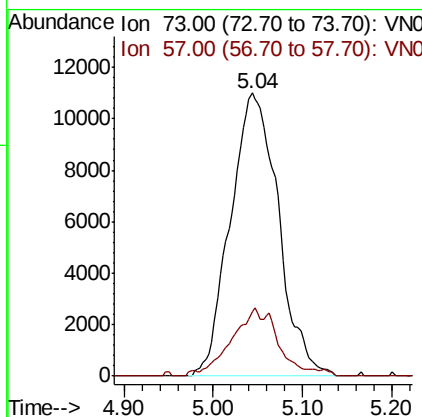
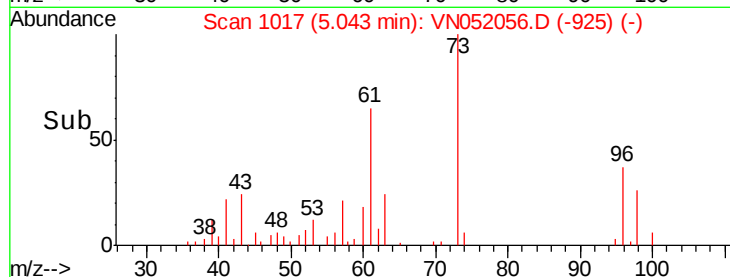
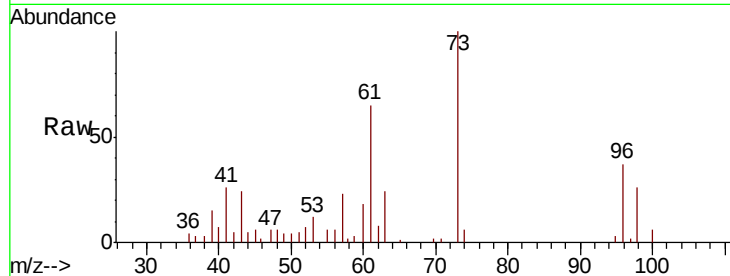
#19
Methvl tert-butvl Ether
Concen: 5.720 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 73 Resp: 40972
Ion Ratio Lower Upper
73 100
57 22.6 18.7 28.1

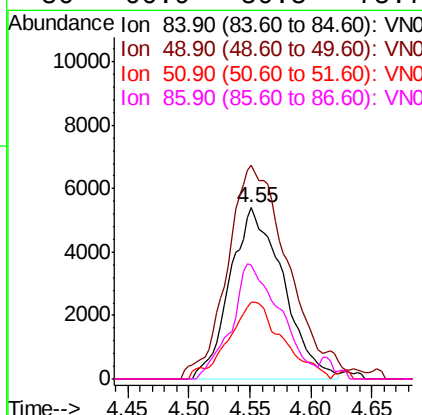
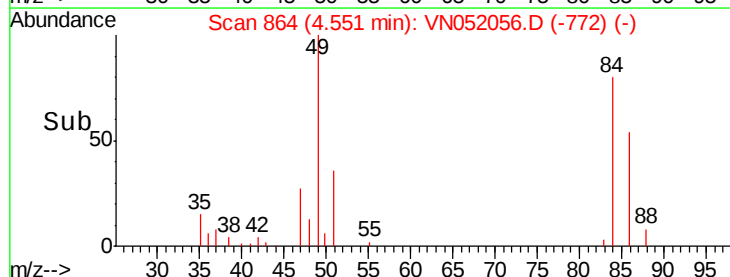
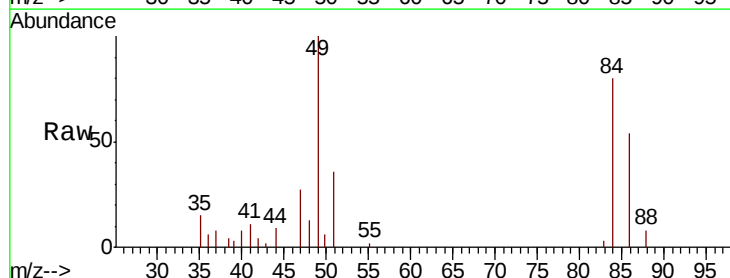
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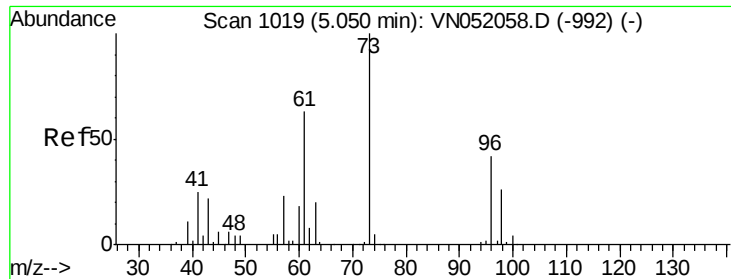
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#20
Methylene Chloride
Concen: 6.189 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion: 84 Resp: 16347
Ion Ratio Lower Upper
84 100
49 117.6 110.6 165.8
51 44.8 33.7 50.5
86 66.9 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 5.997 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 14578

Ion Ratio Lower Upper

96 100

61 137.5 118.6 178.0

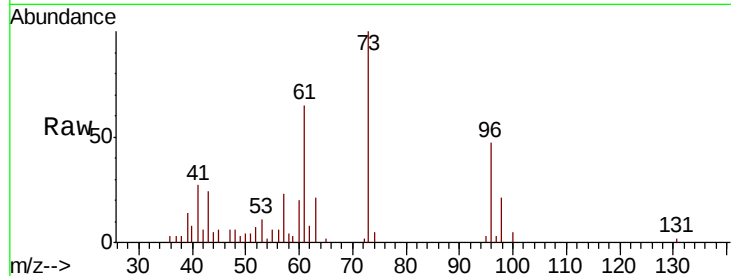
98 45.0 49.7 74.5#

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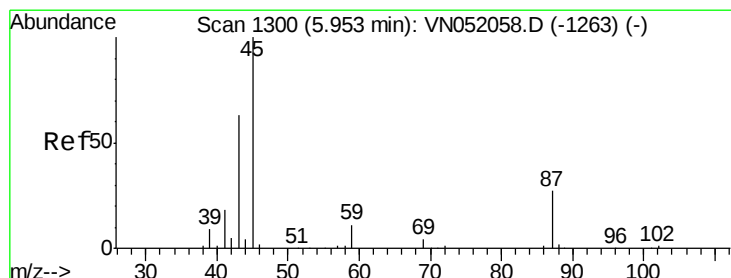
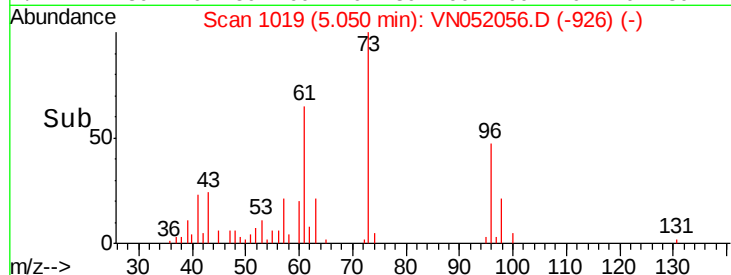
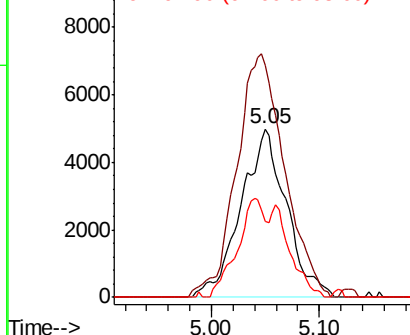


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 5.467 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Tgt Ion: 45 Resp: 53314

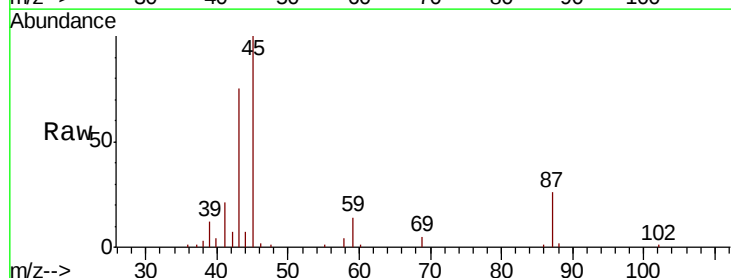
Ion Ratio Lower Upper

45 100

43 71.9 50.5 75.7

87 25.9 21.5 32.3

59 14.0 8.6 13.0#



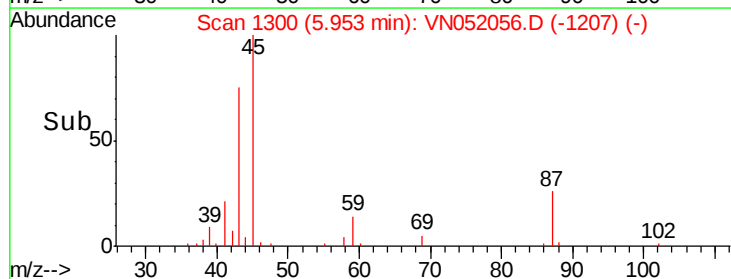
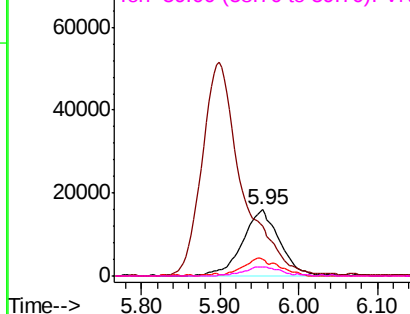
Abundance

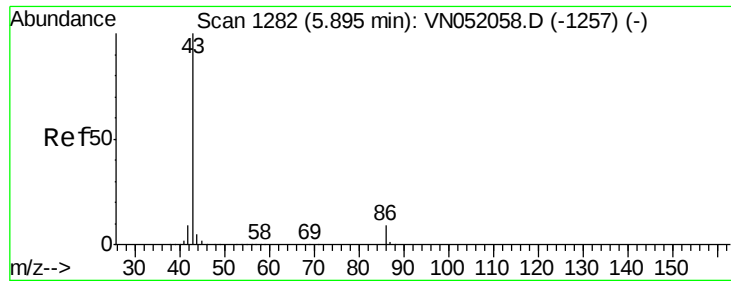
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 28.027 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 180781

Ion Ratio Lower Upper

43 100

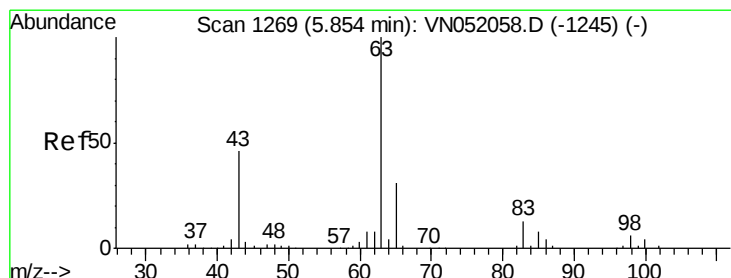
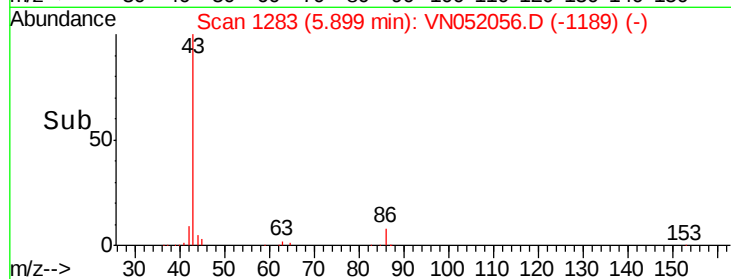
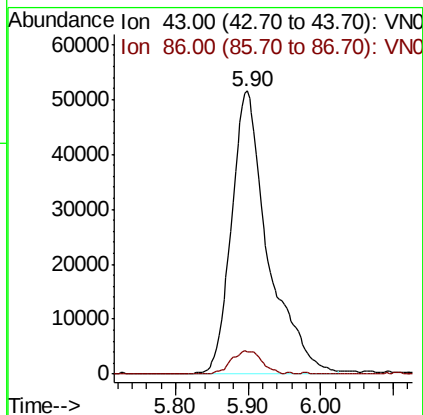
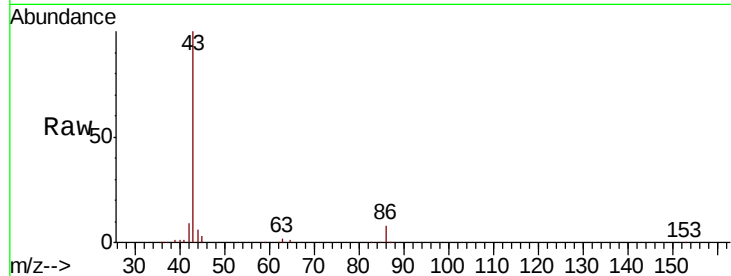
86 8.1 7.3 10.9

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#24

1,1-Dichloroethane

Concen: 5.710 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

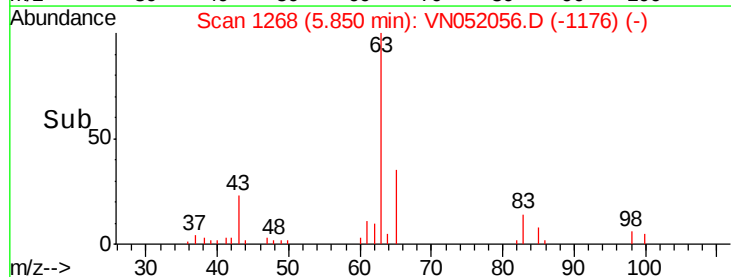
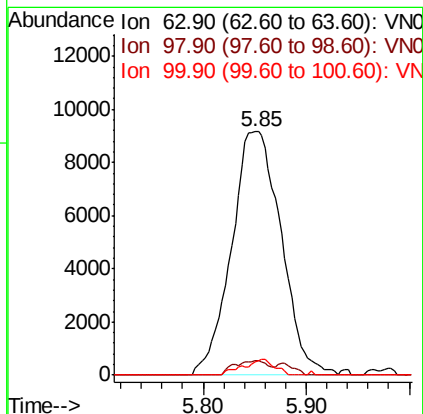
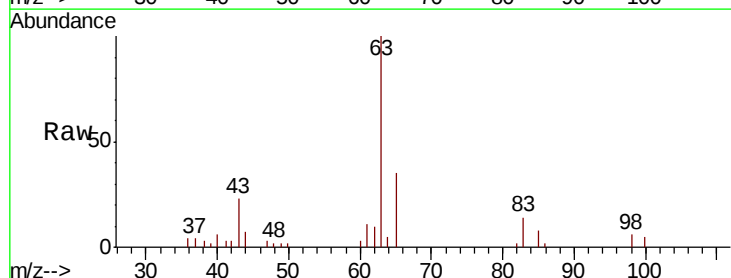
Tgt Ion: 63 Resp: 30657

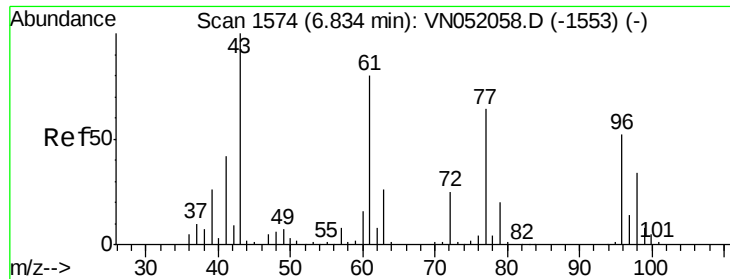
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 5.3 2.0 6.0





#25

2-Butanone

Concen: 30.634 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 33218

Ion Ratio Lower Upper

43 100

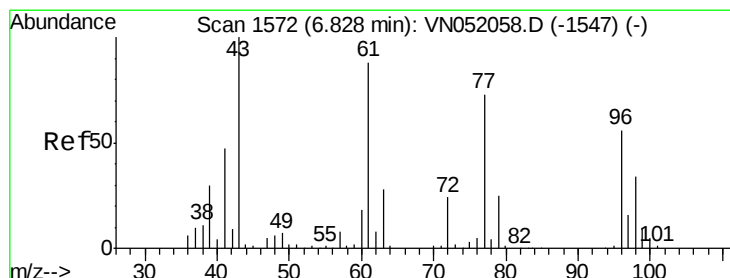
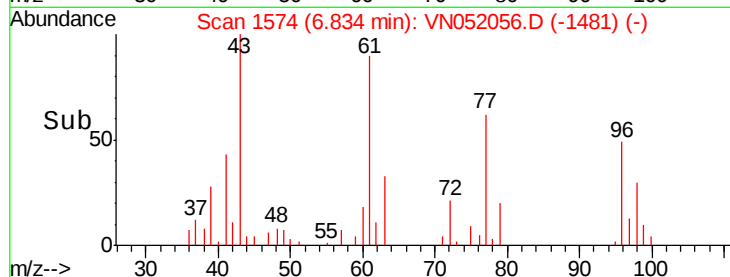
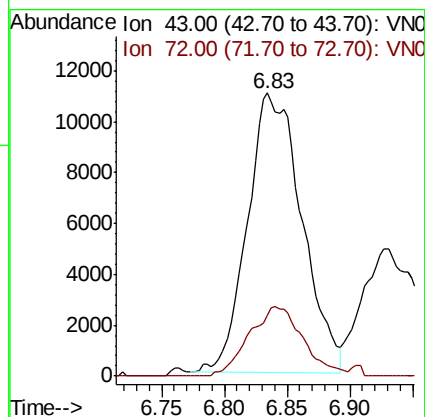
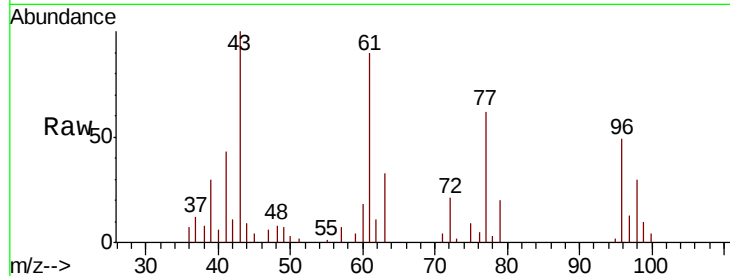
72 21.7 20.2 30.2

Manual Integrations

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MMDadoda

11/1/2018 11:47:44 AM



#26

2,2-Dichloropropane

Concen: 5.052 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052056.D

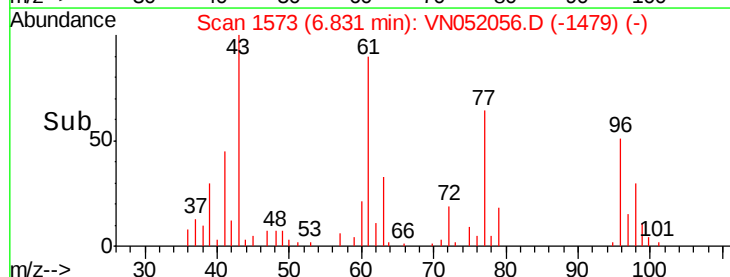
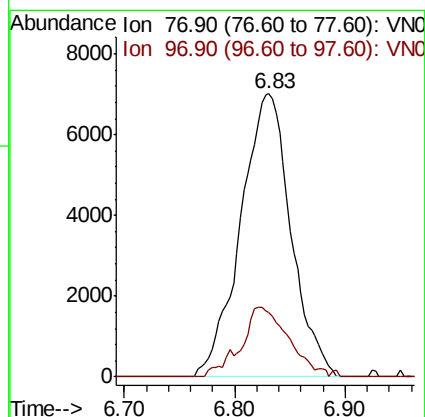
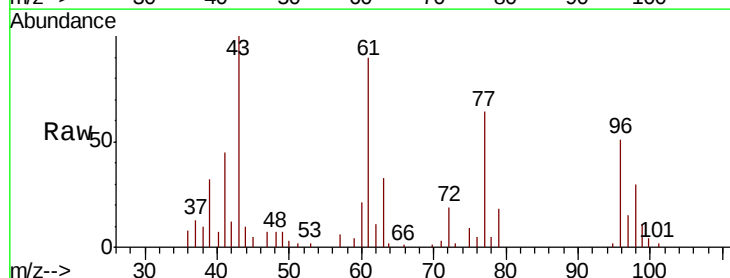
Acq: 30 Oct 2018 9:52

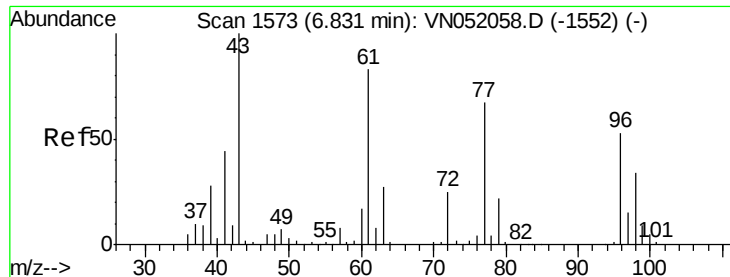
Tgt Ion: 77 Resp: 22141

Ion Ratio Lower Upper

77 100

97 20.3 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 5.510 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

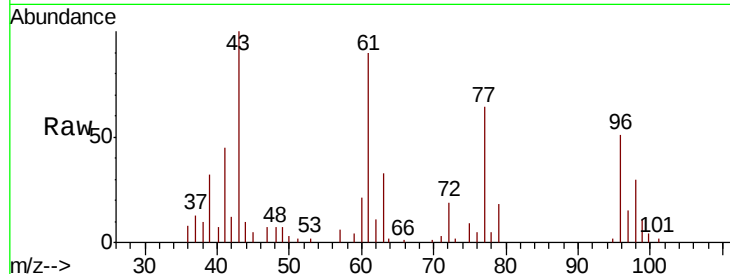
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	16600
Ion	Ratio	Lower	Upper
96	100		
61	166.7	0.0	312.8
98	64.7	0.0	127.0

Manual Integrations
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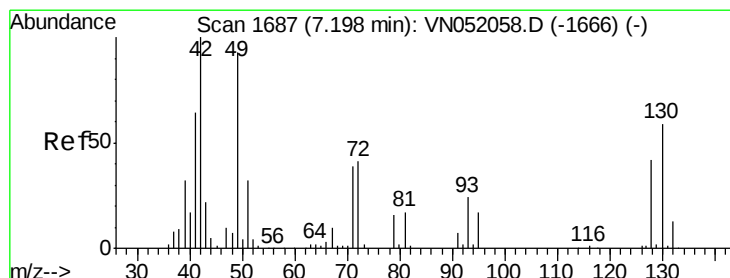
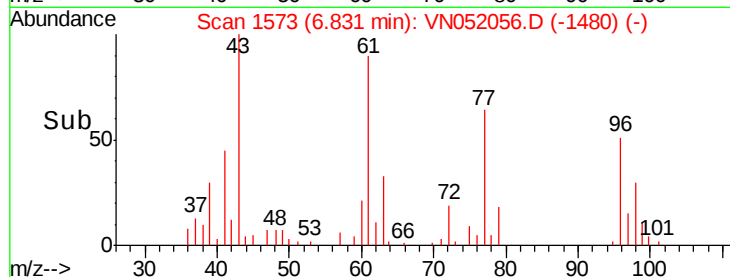
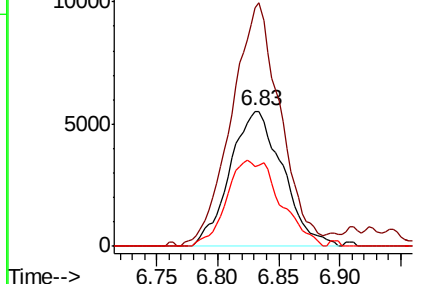
MMDadoda
11/1/2018 11:47:44 AM



Abundance Ion 95.90 (95.60 to 96.60): VN052056.D (-1552) (-)

Ion 60.90 (60.60 to 61.60): VN052056.D (-1552) (-)

Ion 97.90 (97.60 to 98.60): VN052056.D (-1552) (-)



#28

Bromochloromethane

Concen: 5.069 ug/l

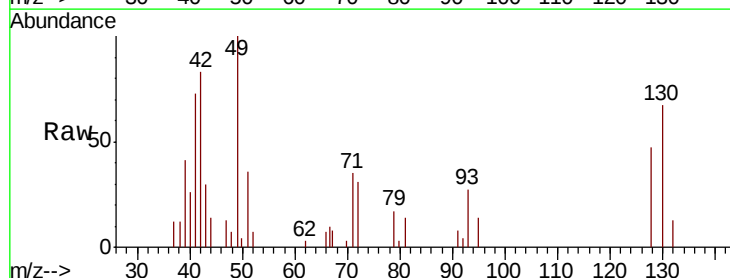
RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

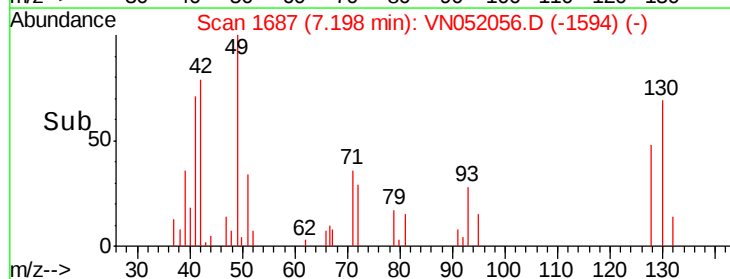
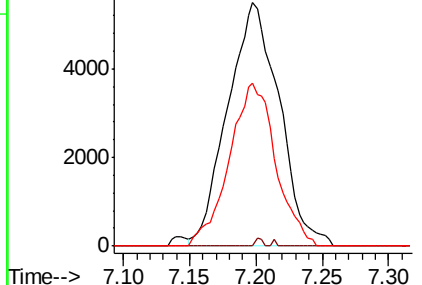
Tgt Ion:	49	Resp:	14903
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.4
130	60.1	50.8	76.2

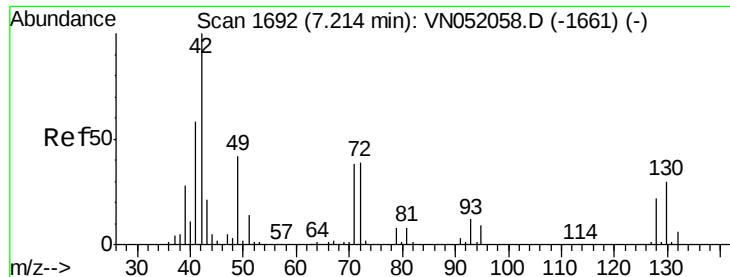


Abundance Ion 48.90 (48.60 to 49.60): VN052056.D (-1666) (-)

Ion 128.80 (128.50 to 129.50): VN052056.D (-1666) (-)

Ion 129.80 (129.50 to 130.50): VN052056.D (-1666) (-)





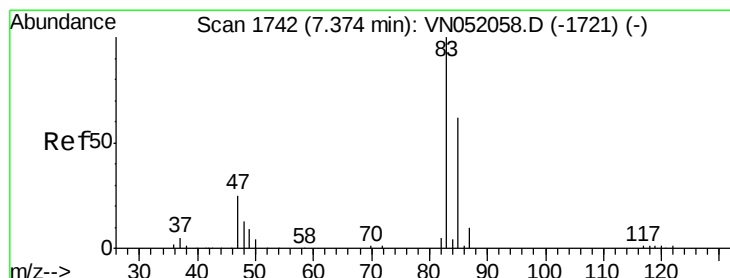
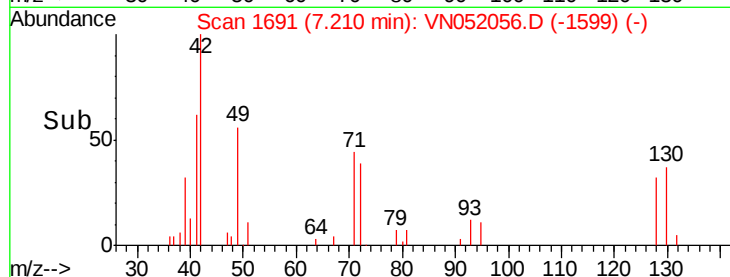
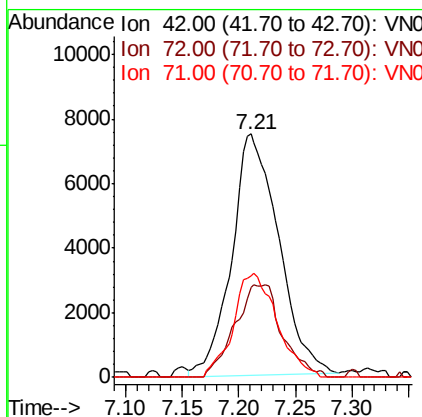
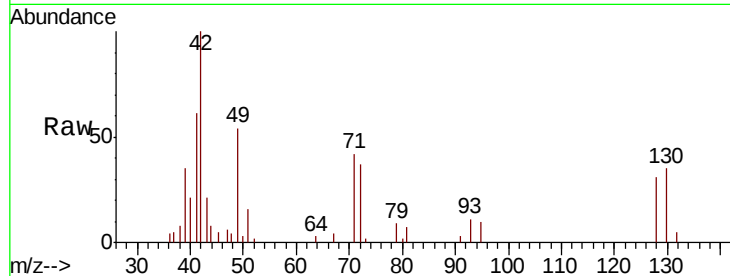
#29
Tetrahydrofuran
Concen: 27.751 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	32.5	48.7
71	40.3	30.6	46.0

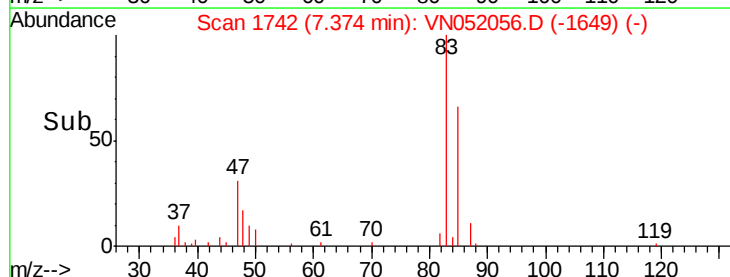
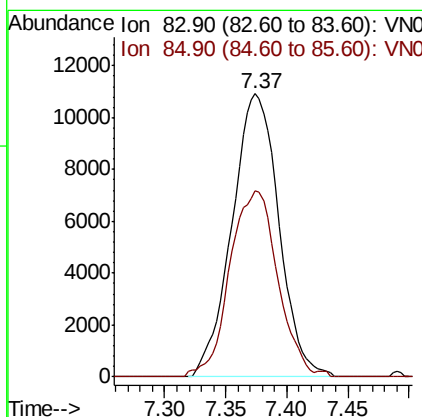
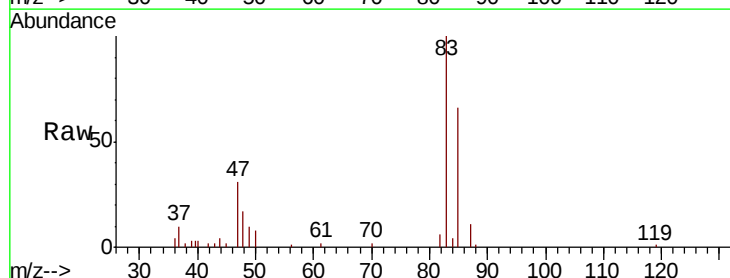
Manual Integrations
APPROVED

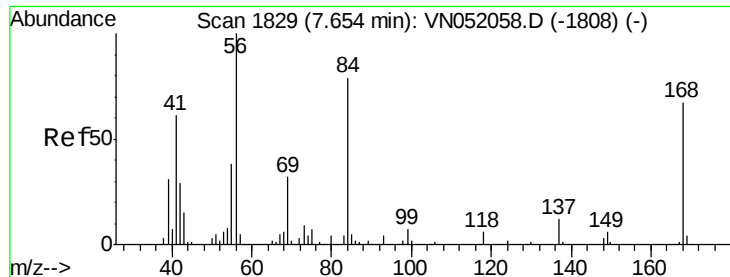
MMDadoda
11/1/2018 11:47:44 AM



#30
Chloroform
Concen: 5.308 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.6	74.4





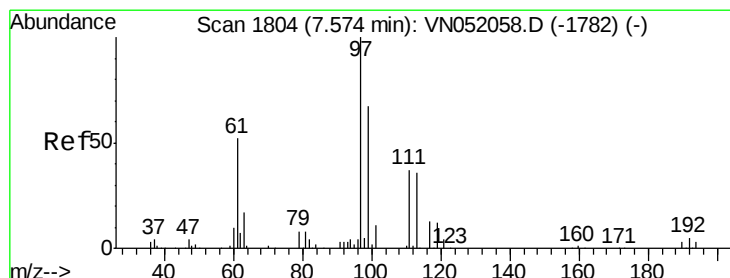
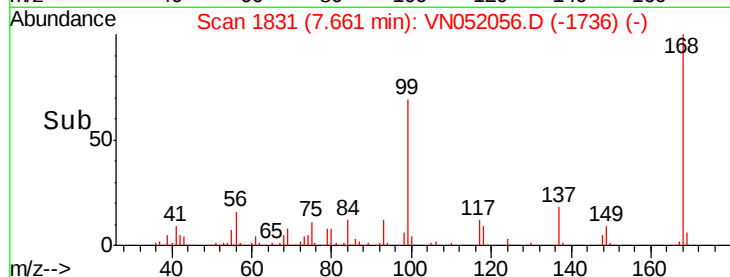
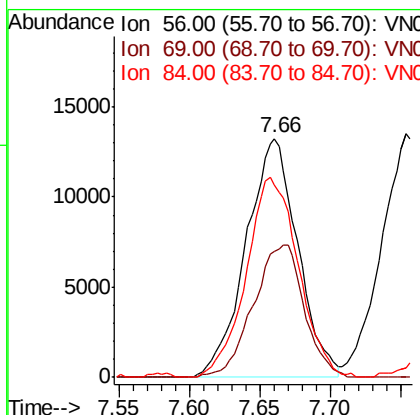
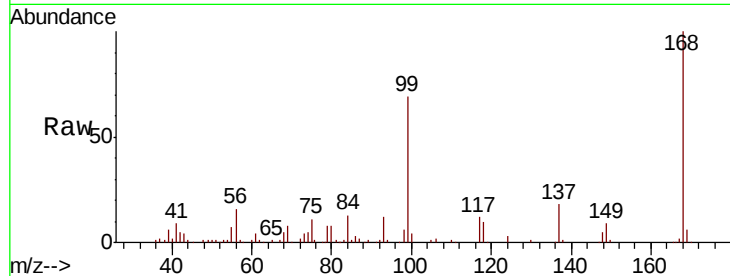
#31
Cyclohexane
Concen: 3.971 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	52.9	25.8	38.6#
84	80.7	63.5	95.3

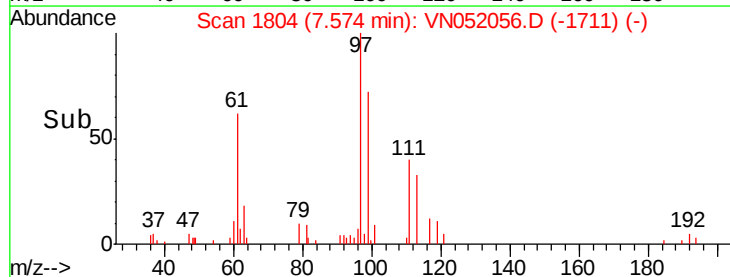
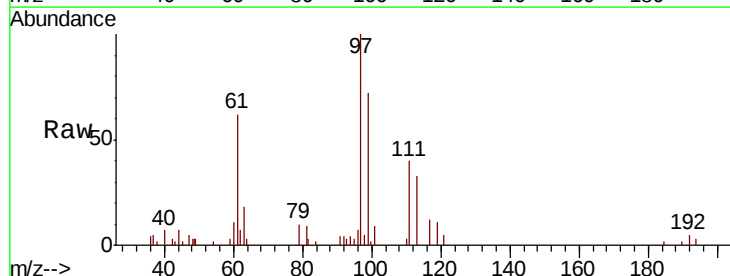
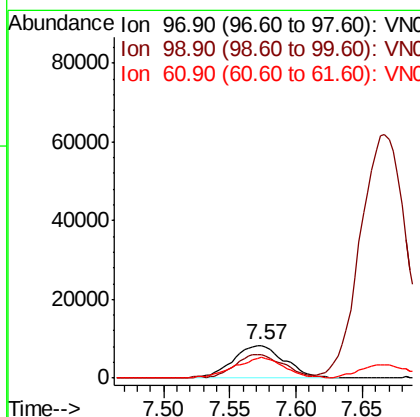
Manual Integrations
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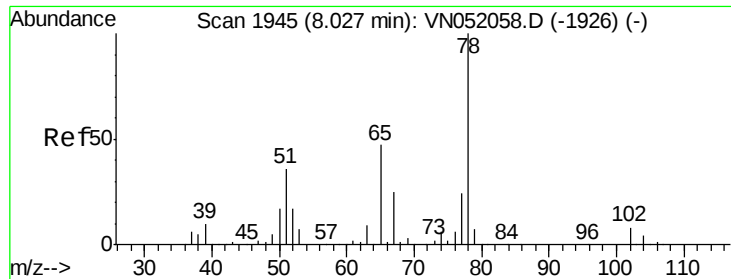
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#32
1,1,1-Trichloroethane
Concen: 5.358 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.4	77.2
61	61.1	40.3	60.5#





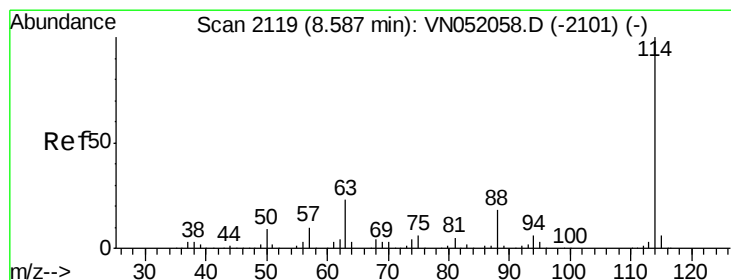
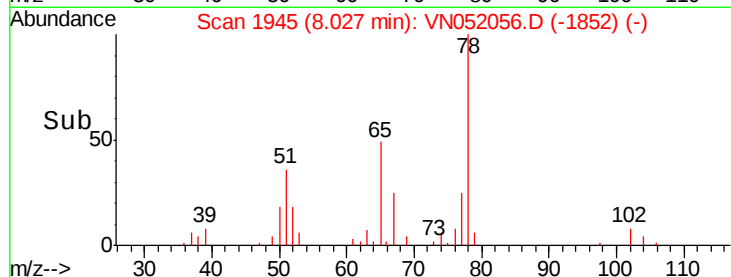
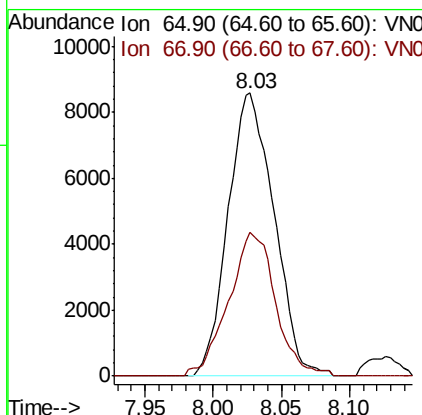
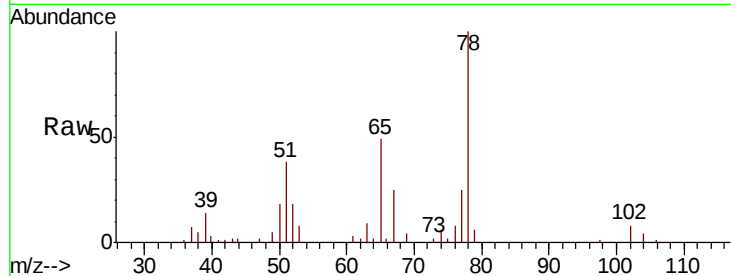
#33
 1,2-Dichloroethane-d4
 Concen: 5.358 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	105.2

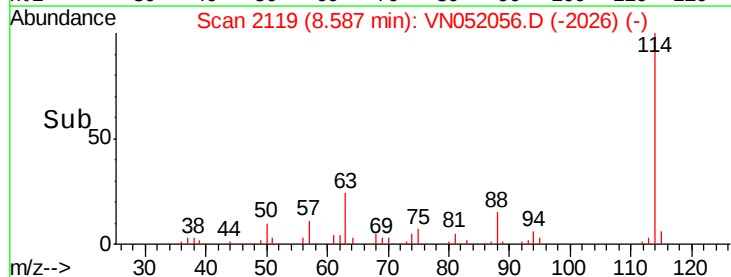
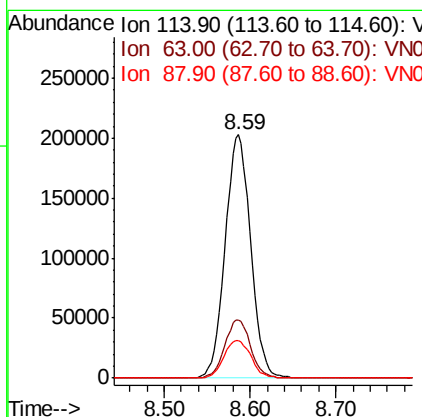
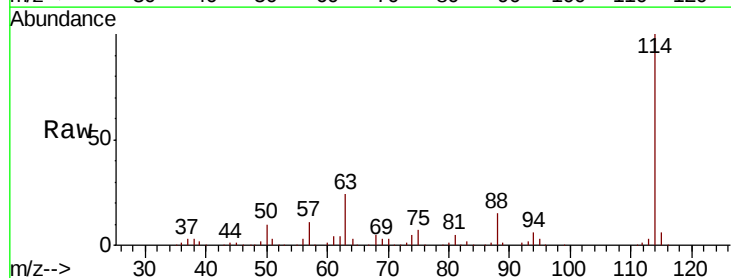
Manual Integrations
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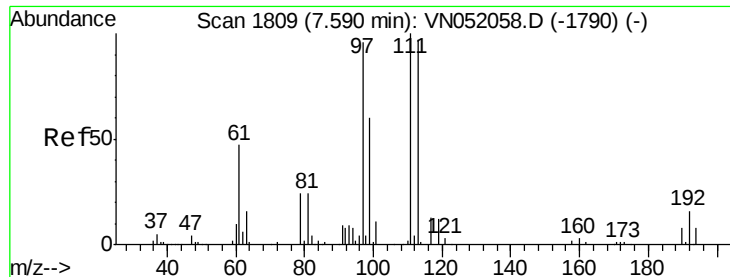
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 11/1/2018 11:47:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	46.0
88	15.4	0.0	35.4





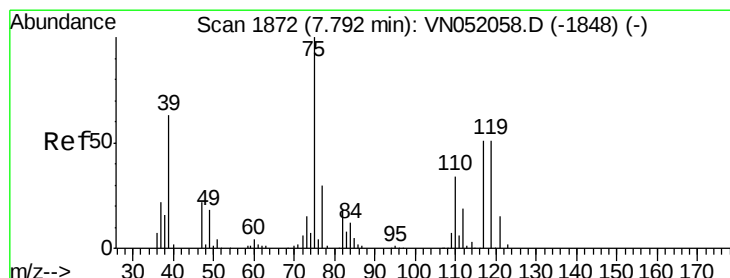
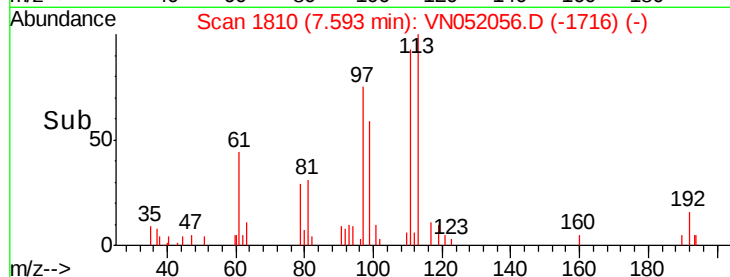
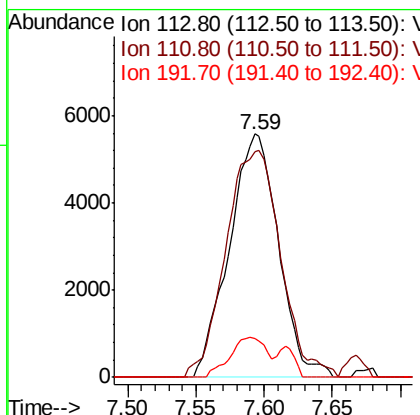
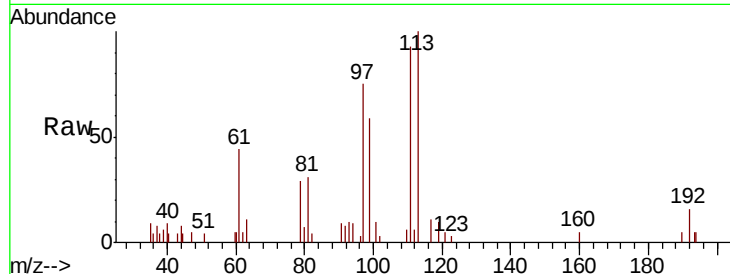
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.1	124.7
192	12.1	12.7	19.1#

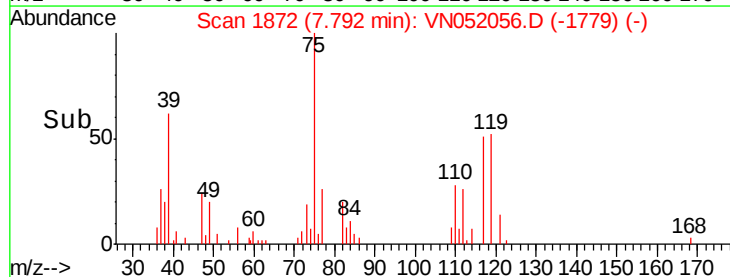
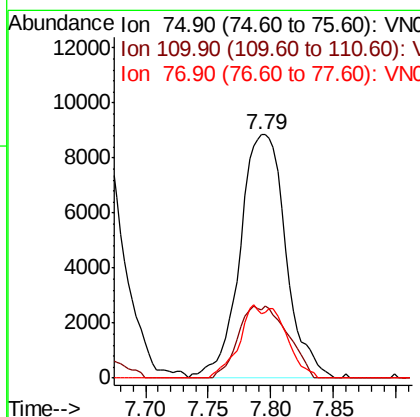
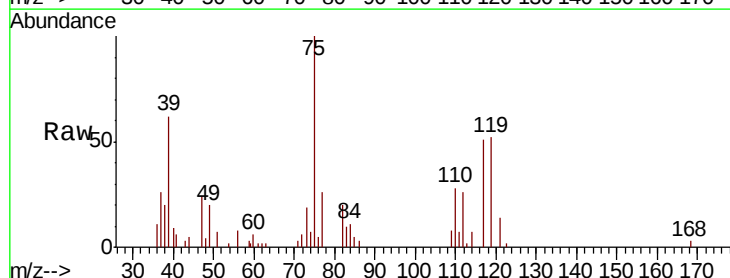
Manual Integrations
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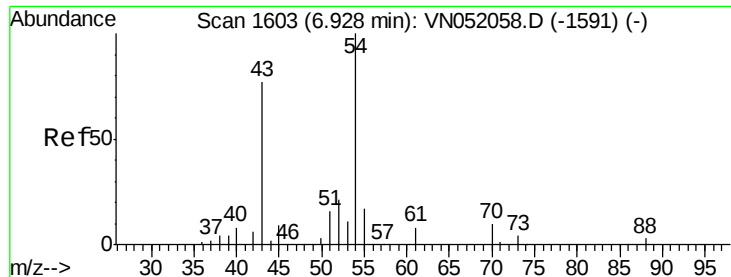
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 11/1/2018 11:47:44 AM



#36
 1,1-Dichloropropene
 Concen: 5.405 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	15.7	16.0	48.0#
77	14.9	24.5	36.7#





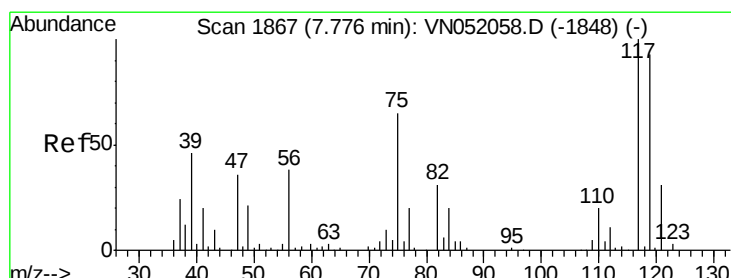
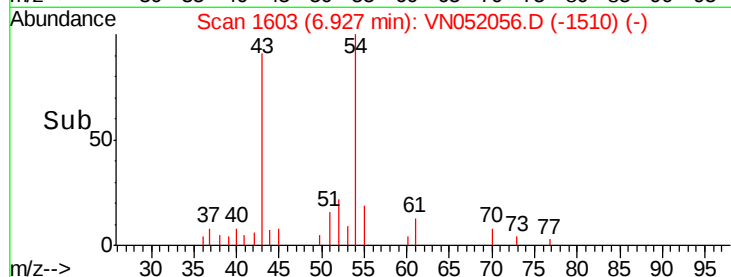
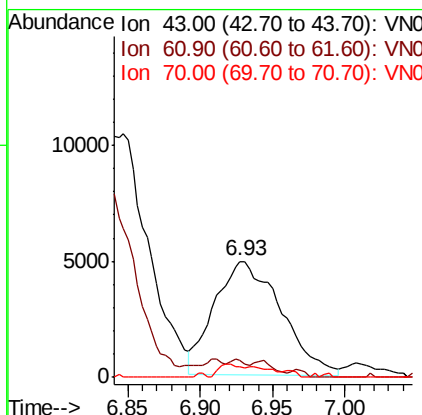
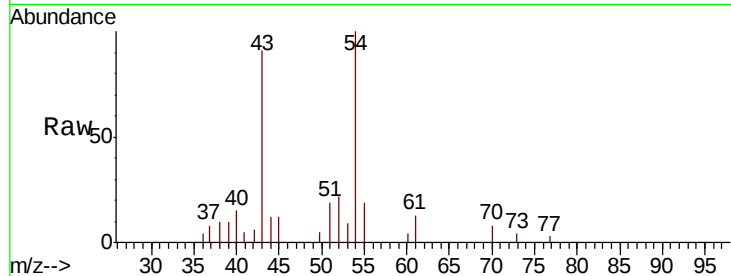
#37
Ethyl Acetate
Concen: 6.411 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	4.0	8.6	12.8#

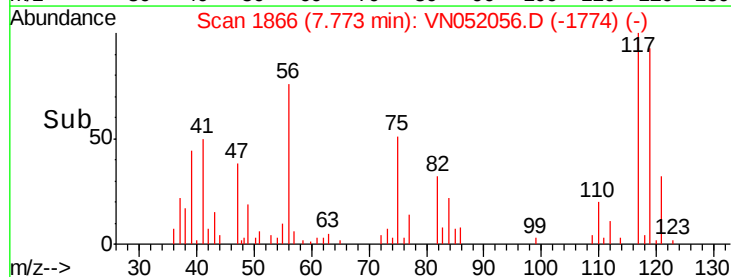
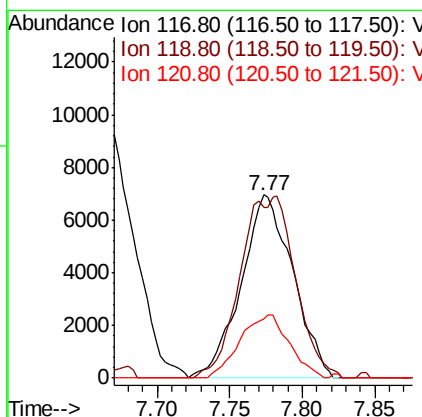
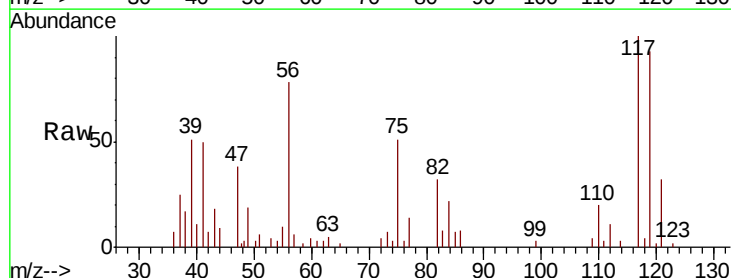
Manual Integrations
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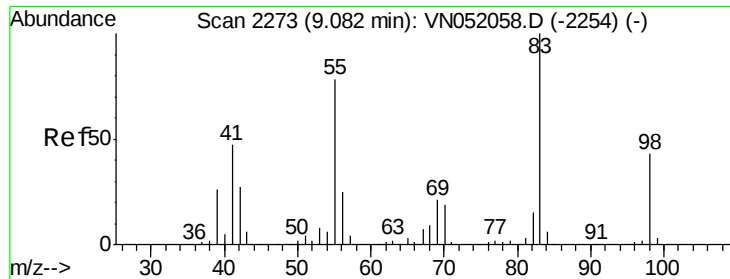
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#38
Carbon Tetrachloride
Concen: 5.019 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	74.8	112.2
121	32.2	25.1	37.7





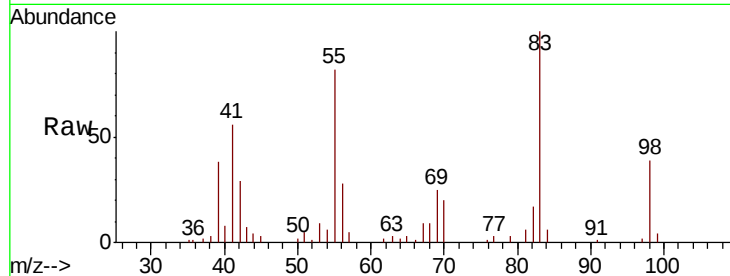
#39
Methvlcvclohexane
Concen: 5.128 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

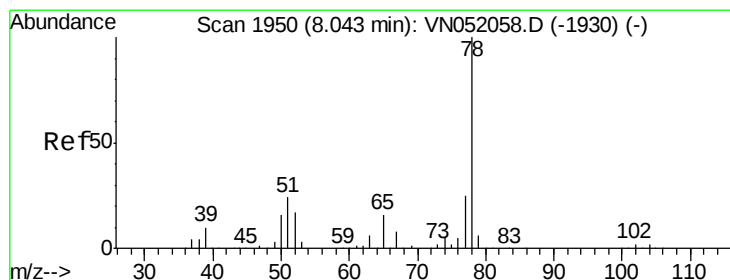
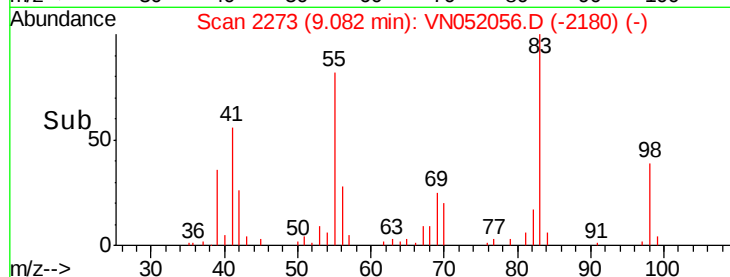
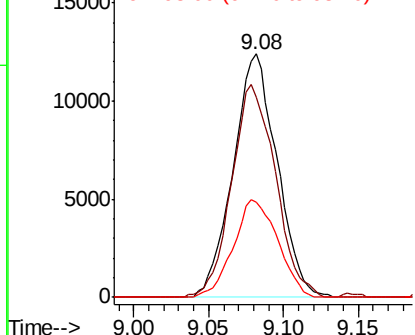
Tot Ion	Ratio	Lower	Upper
83	100		
55	82.1	62.0	93.0
98	39.3	34.7	52.1

Manual Integrations
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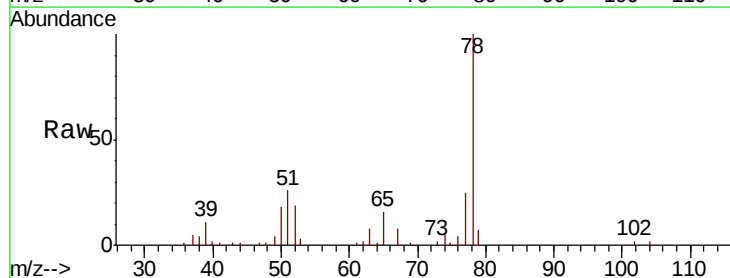


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

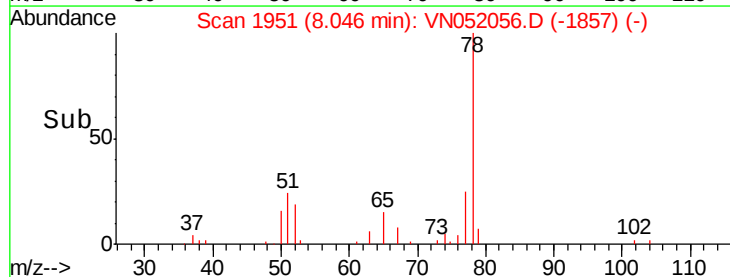
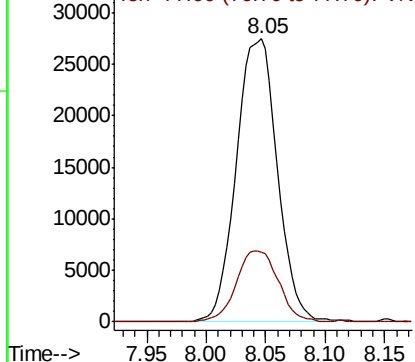


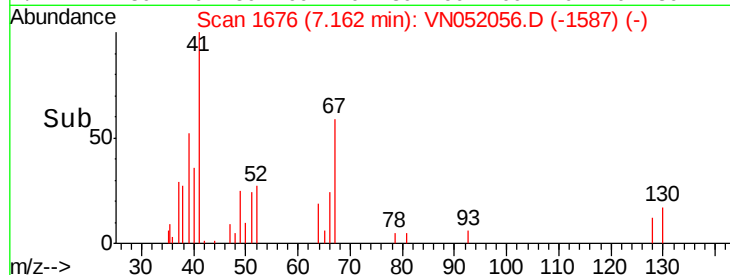
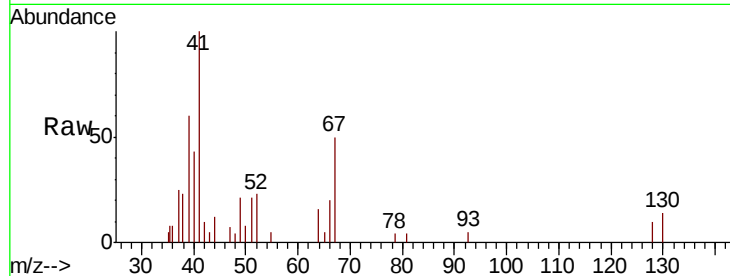
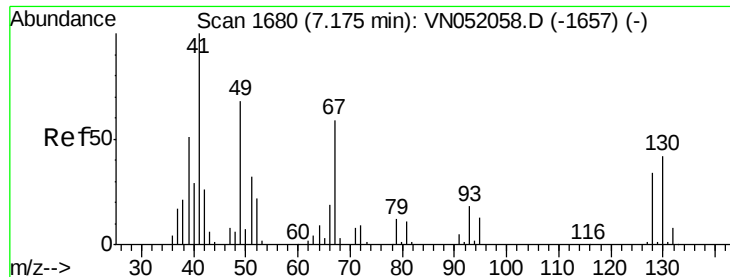
#40
Benzene
Concen: 5.599 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.8	29.6



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





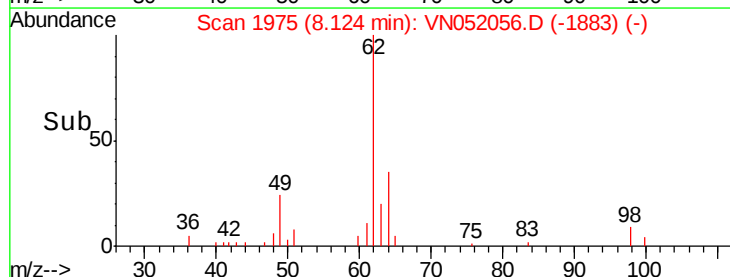
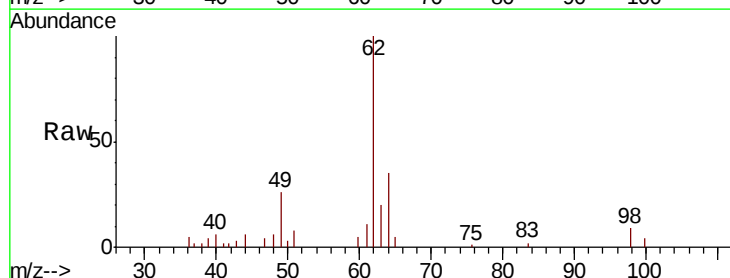
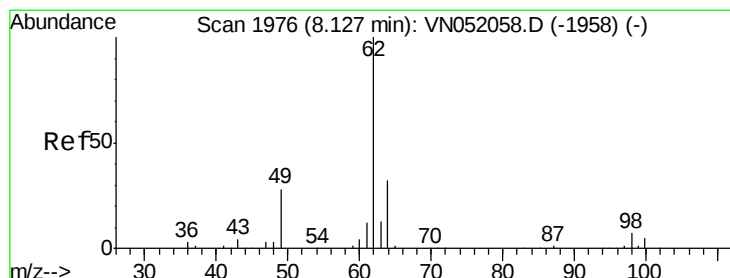
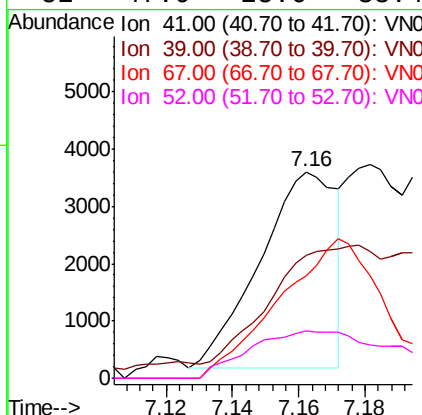
#41
Methacrylonitrile
Concen: 5.812 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.5	33.2	49.8#
67	92.5	63.5	95.3
52	47.0	25.6	38.4#

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

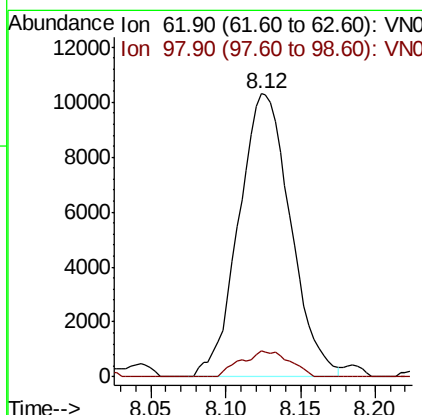
Manual Integrations
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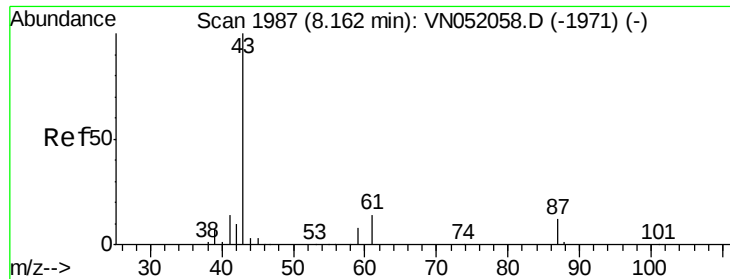
MMDadoda
11/1/2018 11:47:44 AM



#42
1,2-Dichloroethane
Concen: 5.336 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	15.2





#43

Isopropyl Acetate

Concen: 5.737 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

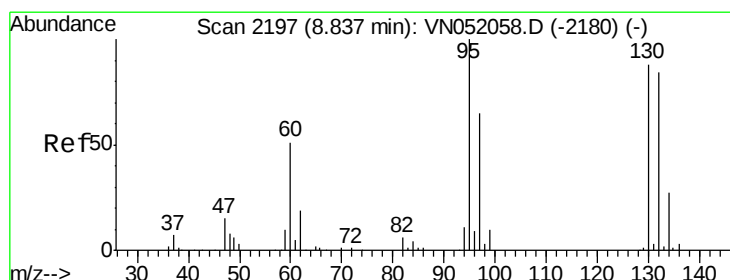
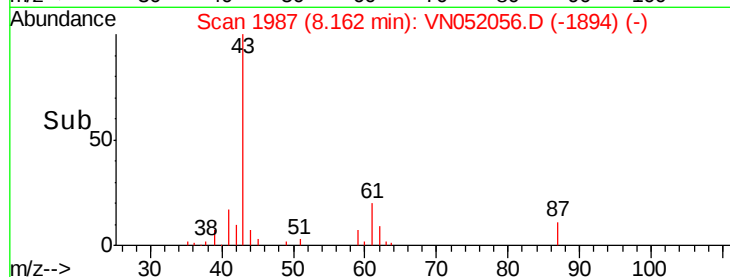
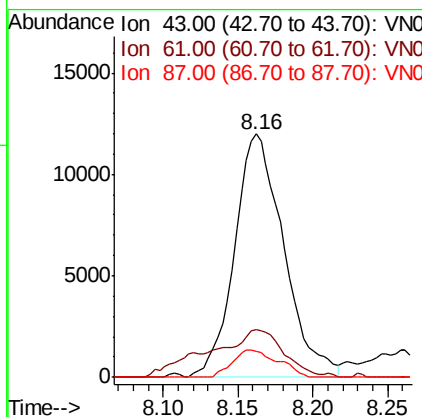
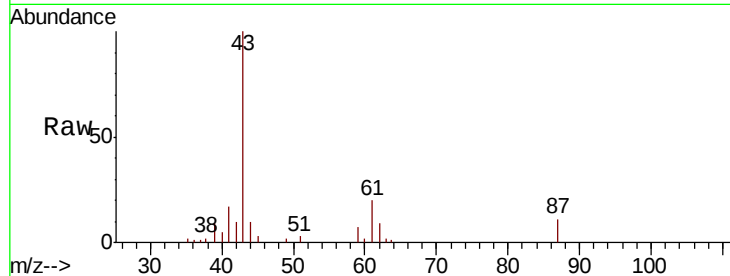
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	27442
Ion	Ratio	Lower	Upper
43	100		
61	29.5	15.4	23.0#
87	10.4	9.8	14.8

Manual Integrations
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11/1/2018 11:47:44 AM



#44

Trichloroethene

Concen: 5.485 ug/l

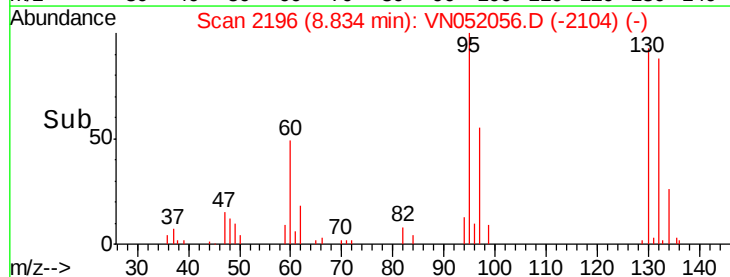
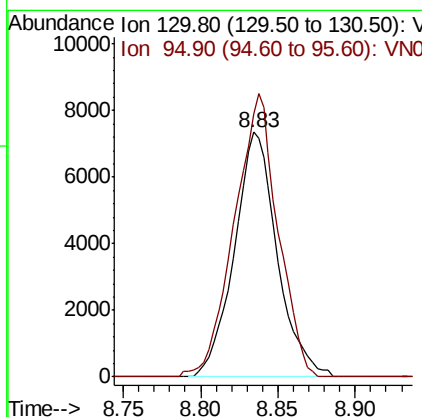
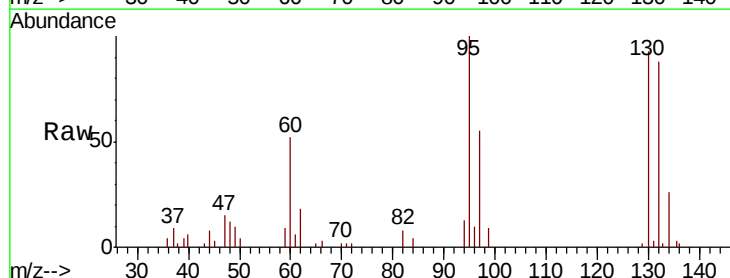
RT: 8.83 min Scan# 2196

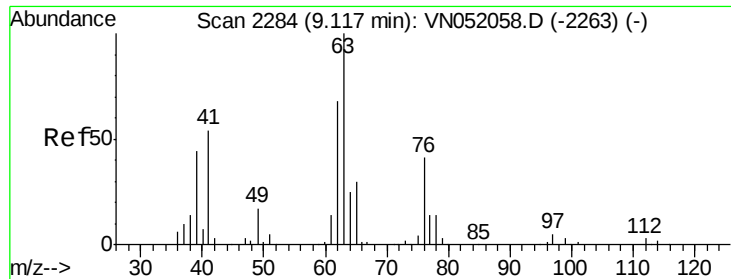
Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Tgt Ion:	130	Resp:	14155
Ion	Ratio	Lower	Upper
130	100		
95	107.2	0.0	228.4





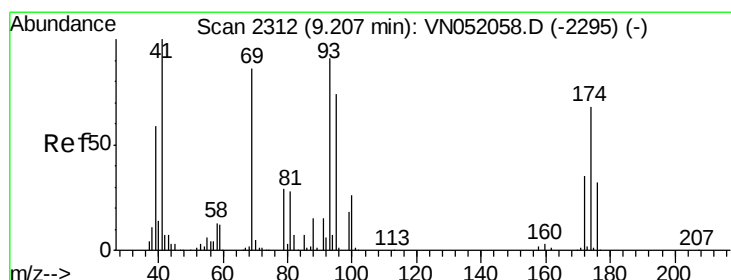
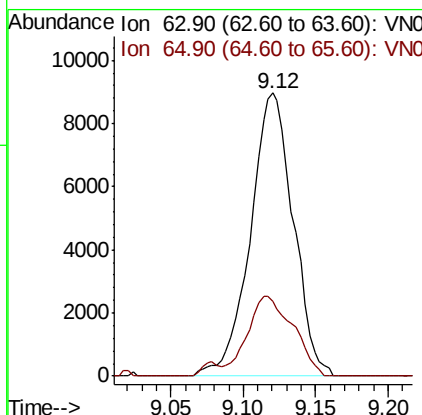
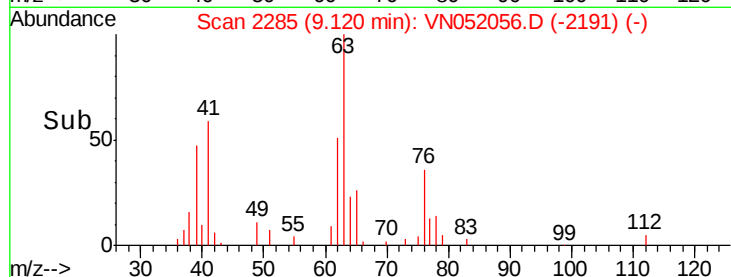
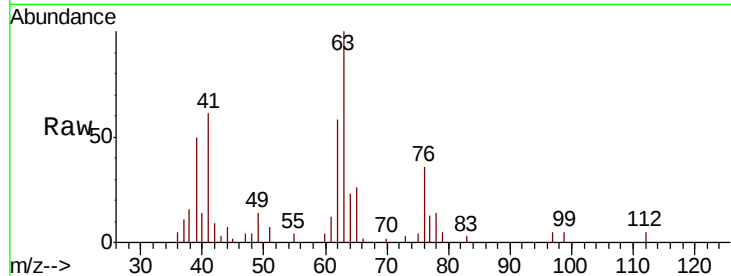
#45
 1,2-Dichloropropane
 Concen: 5.190 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 18409
 Ion Ratio Lower Upper
 63 100
 65 26.4 24.5 36.7

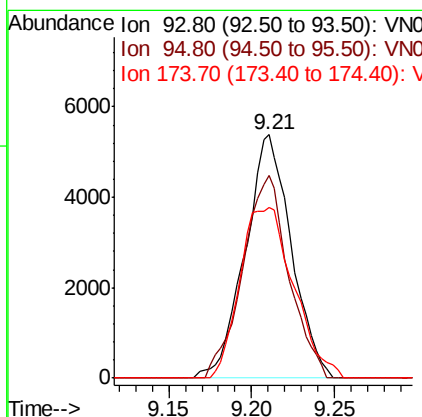
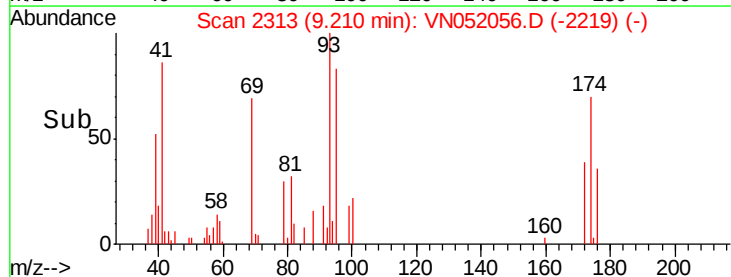
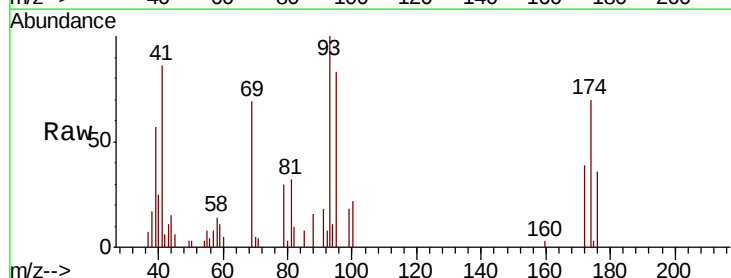
Manual Integrations
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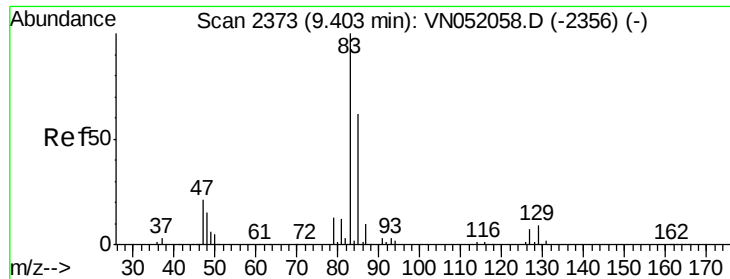
MMDadoda
 11/1/2018 11:47:44 AM



#46
 Dibromomethane
 Concen: 5.765 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion: 93 Resp: 10435
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.2 100.8
 174 81.6 59.7 89.5





#47

Bromodichloromethane

Concen: 5.575 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

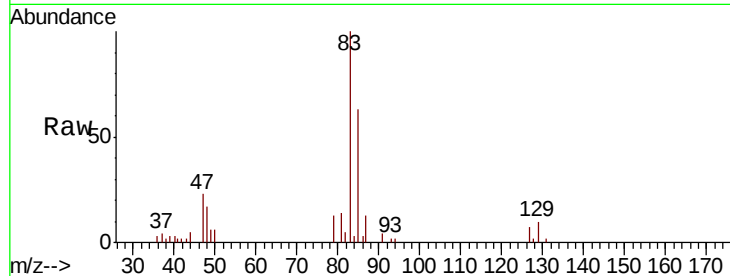
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	21066
Ion Ratio	Lower	Upper	
83	100		
85	63.1	49.4	74.2
127	7.0	5.8	8.8

Manual Integrations
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MMDadoda
11/1/2018 11:47:44 AM

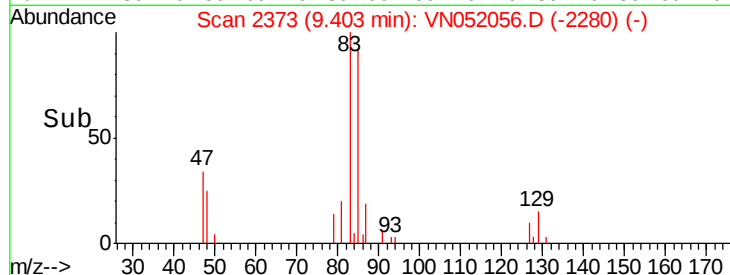


Abundance Ion 82.90 (82.60 to 83.60): VN052056.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052056.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052056.D (-2280) (-)

Time-->

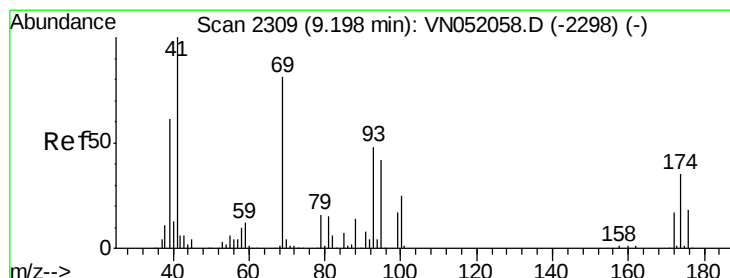


Abundance Ion 82.90 (82.60 to 83.60): VN052056.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052056.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052056.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 5.988 ug/l

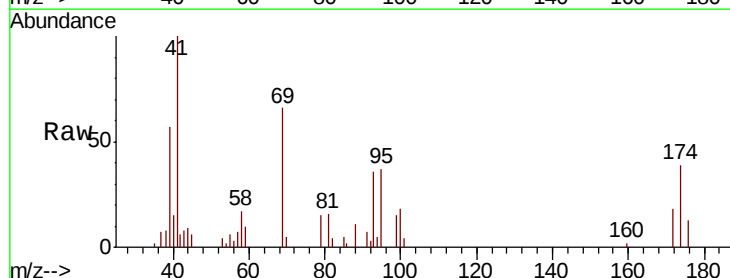
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Tgt Ion:	41	Resp:	14477
Ion Ratio	Lower	Upper	
41	100		
69	73.7	67.1	100.7
39	62.8	50.5	75.7

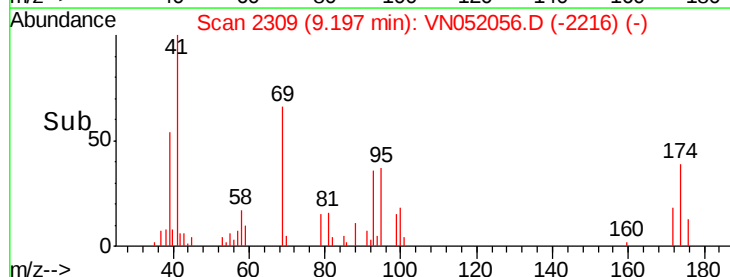


Abundance Ion 41.00 (40.70 to 41.70): VN052056.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052056.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052056.D (-2216) (-)

Time-->

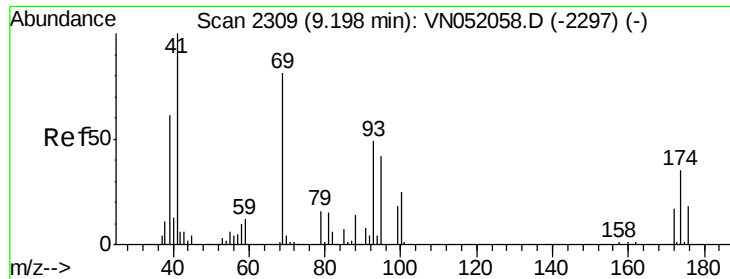


Abundance Ion 41.00 (40.70 to 41.70): VN052056.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052056.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052056.D (-2216) (-)

Time-->



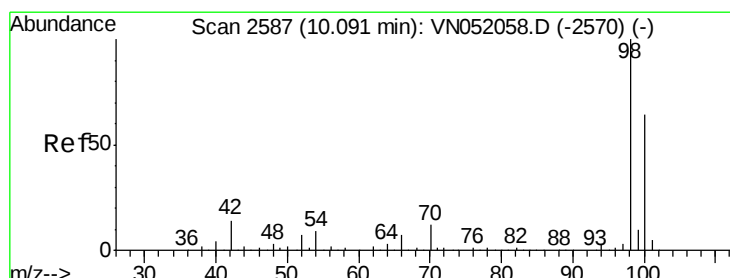
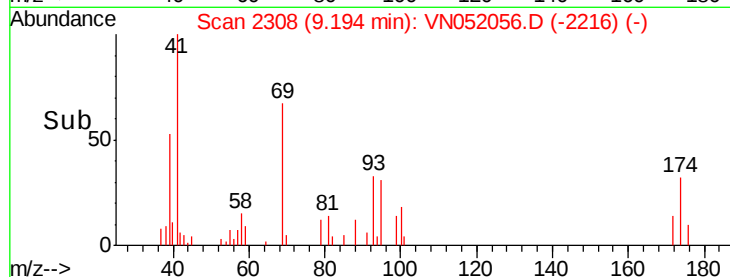
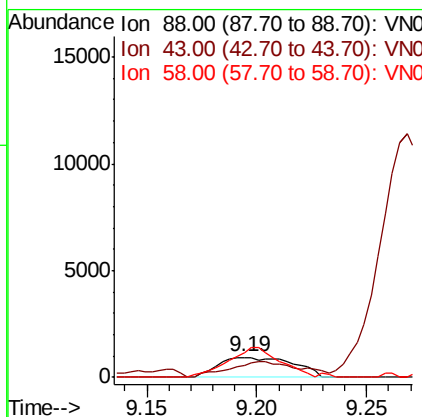
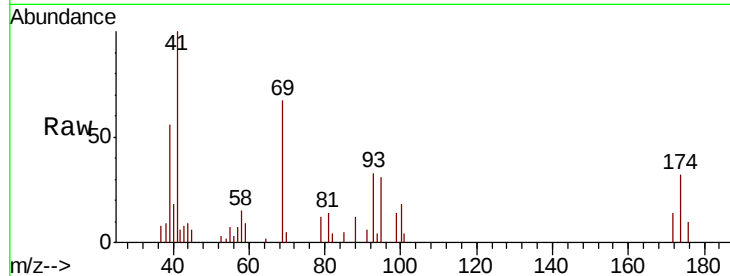
#49
1,4-Dioxane
Concen: 185.653 ug/l m
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	74.5	34.1	51.1#
58	102.7	62.8	94.2#

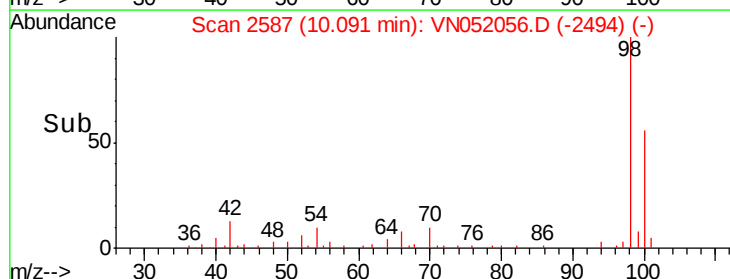
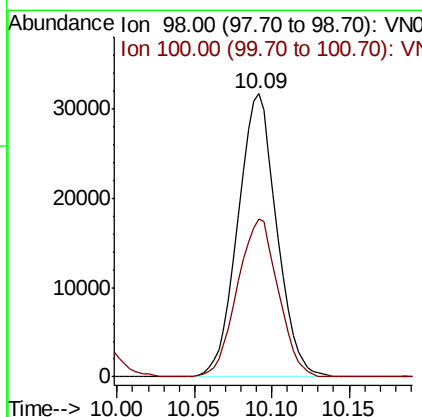
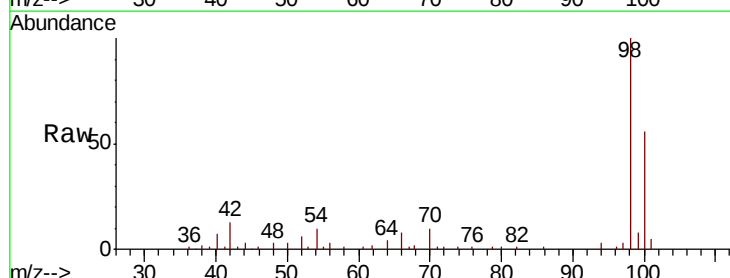
Manual Integrations
APPROVED

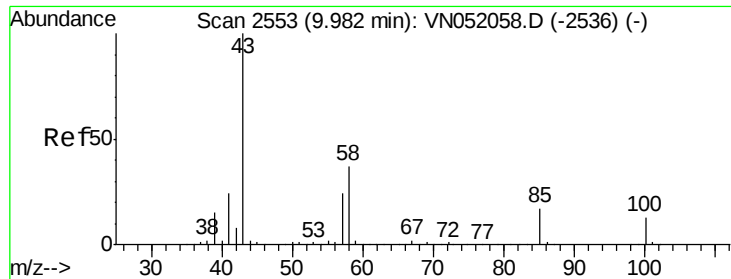
MMDadoda
11/1/2018 11:47:44 AM



#50
Toluene-d8
Concen: 185.653 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	58.6	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 28.667 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 74330

Ion Ratio Lower Upper

43 100

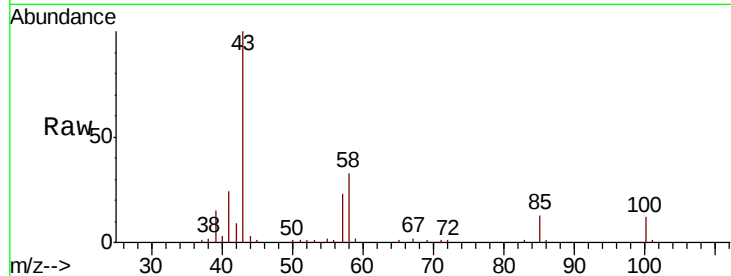
58 34.5 29.7 44.5

Manual Integrations

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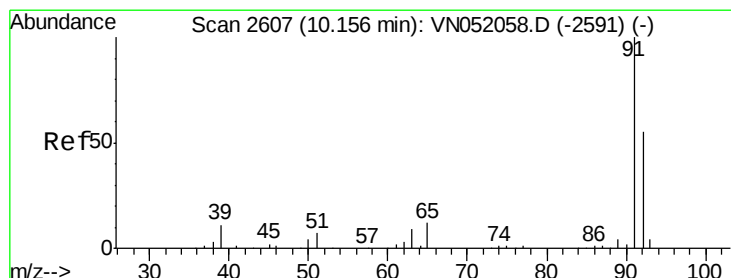
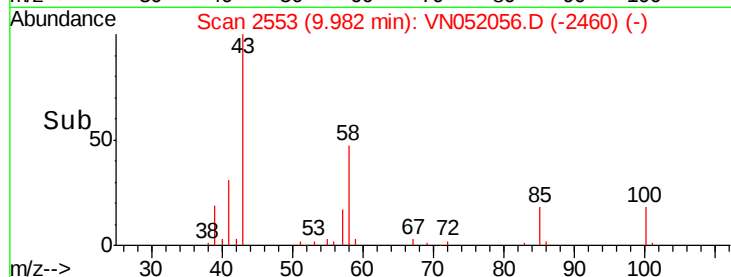
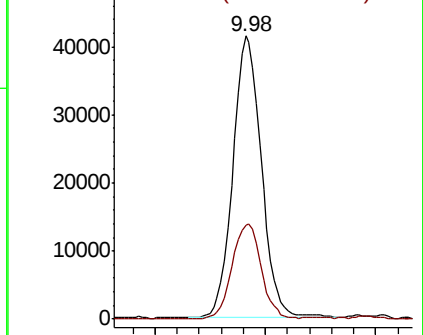
MMDadoda

11/1/2018 11:47:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.396 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052056.D

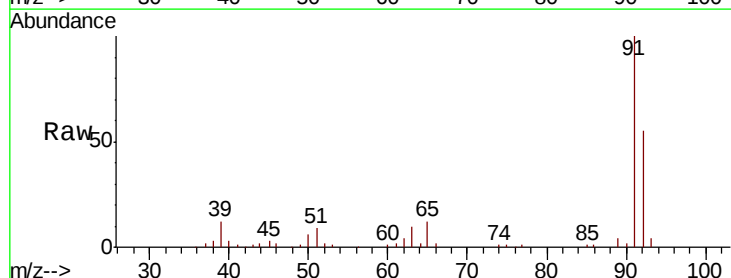
Acq: 30 Oct 2018 9:52

Tgt Ion: 92 Resp: 37974

Ion Ratio Lower Upper

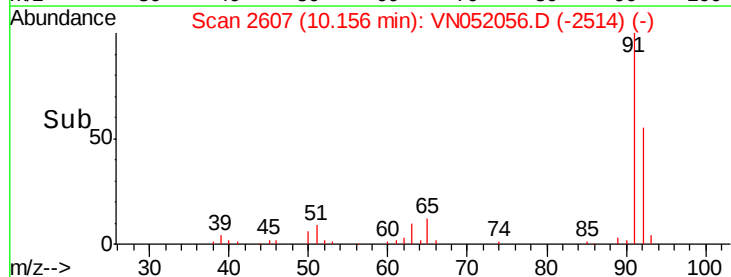
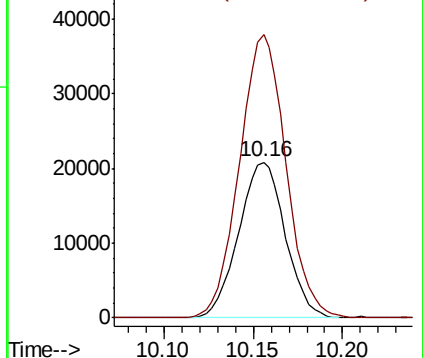
92 100

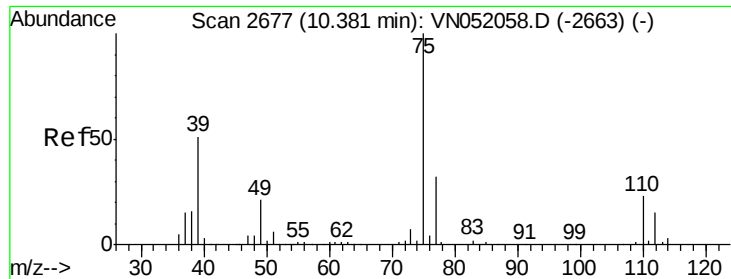
91 181.9 143.9 215.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





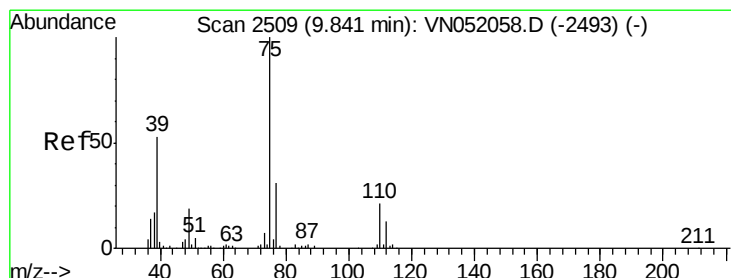
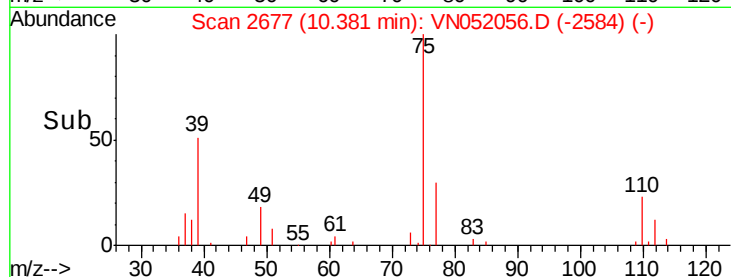
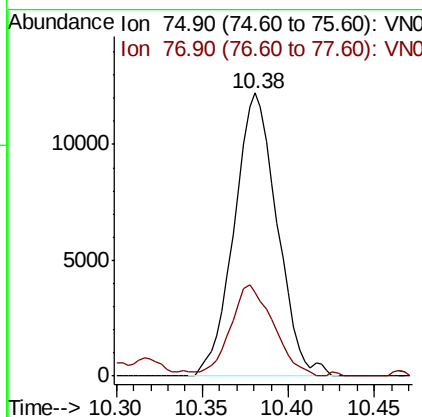
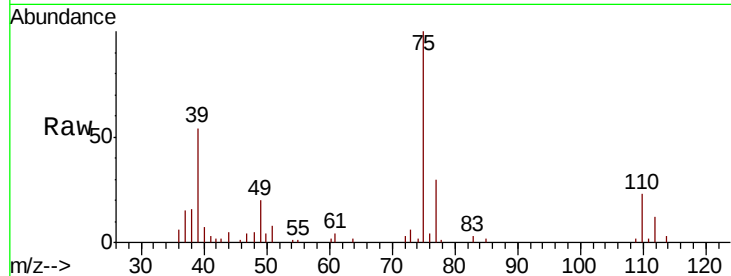
#53
t-1,3-Dichloropropene
Concen: 5.240 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.5	25.6	38.4

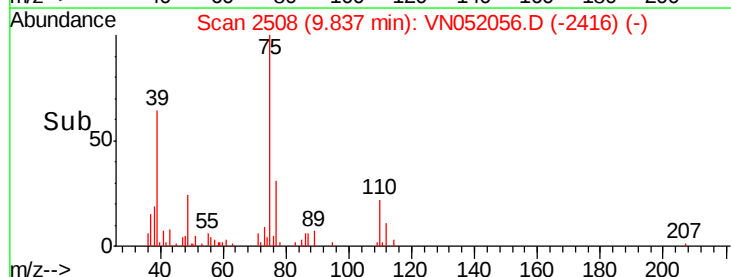
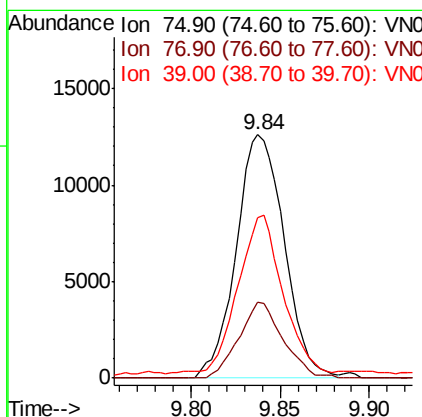
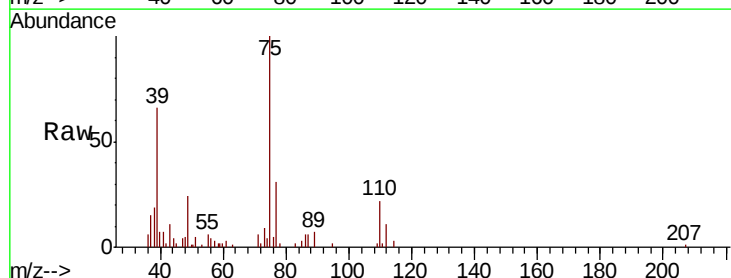
Manual Integrations
APPROVED

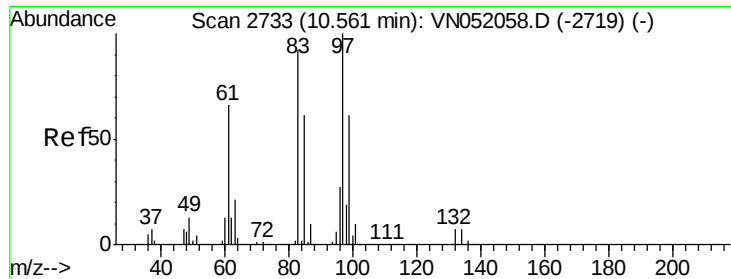
MMDadoda
11/1/2018 11:47:44 AM



#54
cis-1,3-Dichloropropene
Concen: 5.406 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.4
39	63.1	42.3	63.5





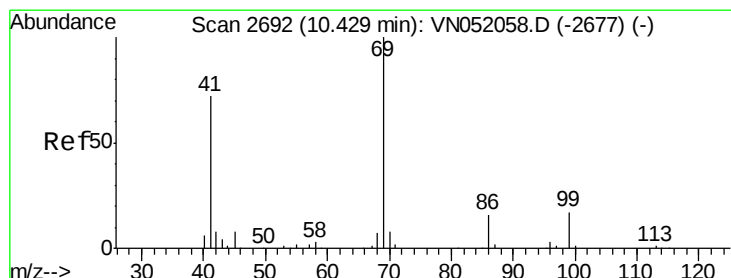
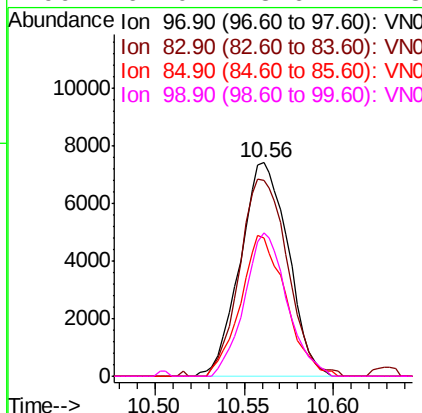
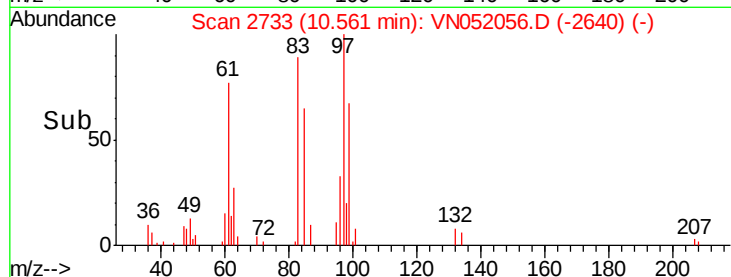
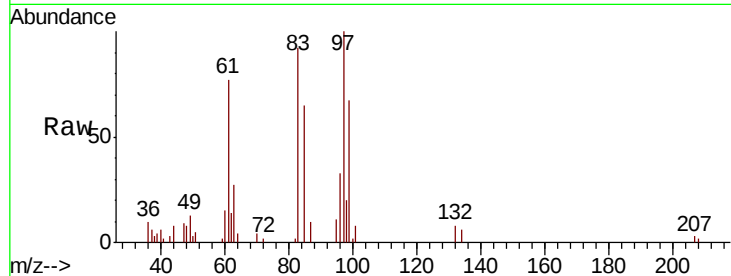
#55
1,1,2-Trichloroethane
Concen: 5.531 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:	97	Resp:	13927
Ion	Ratio	Lower	Upper
97	100		
83	91.6	73.8	110.8
85	64.6	48.4	72.6
99	67.0	48.6	72.8

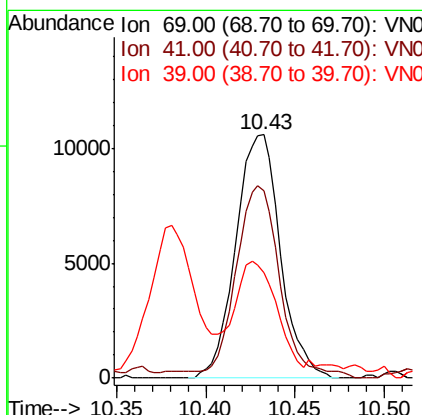
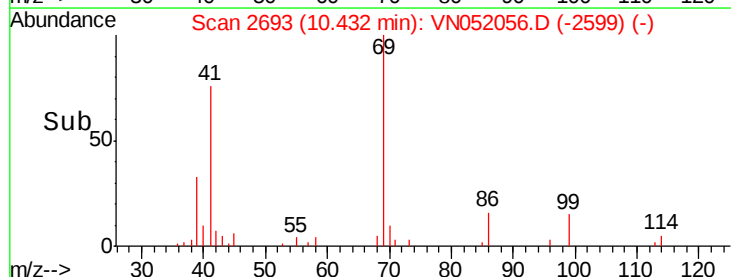
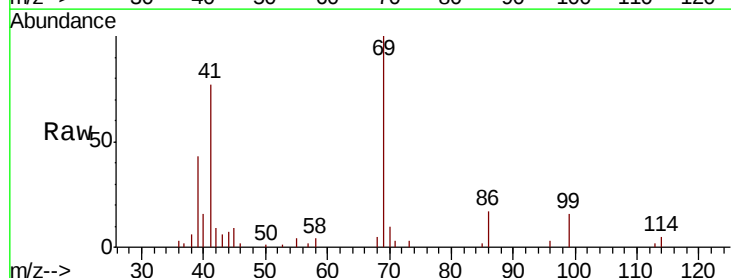
Manual Integrations
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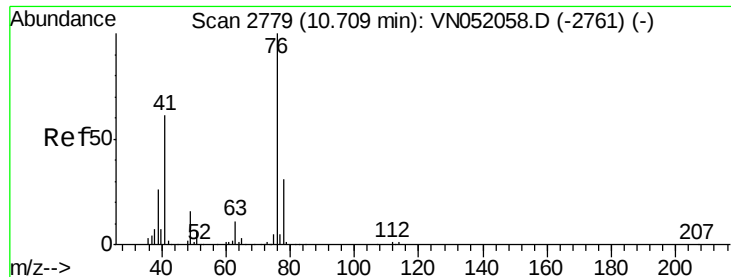
MMDadoda
11/1/2018 11:47:44 AM



#56
Ethyl methacrylate
Concen: 5.007 ug/l
RT: 10.43 min Scan# 2693
Delta R.T. 0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion:	69	Resp:	18446
Ion	Ratio	Lower	Upper
69	100		
41	78.3	55.5	83.3
39	41.3	33.0	49.4





#57

1,3-Dichloropropane

Concen: 5.739 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 26584

Ion Ratio Lower Upper

76 100

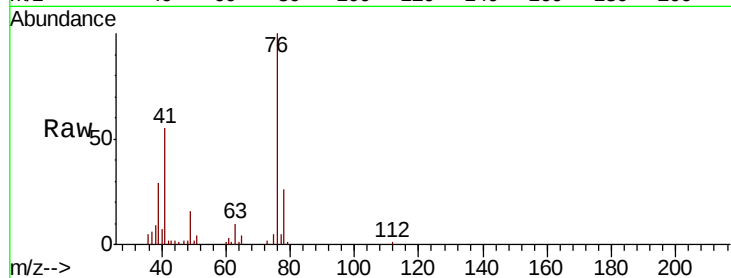
78 30.3 25.4 38.0

Manual Integrations

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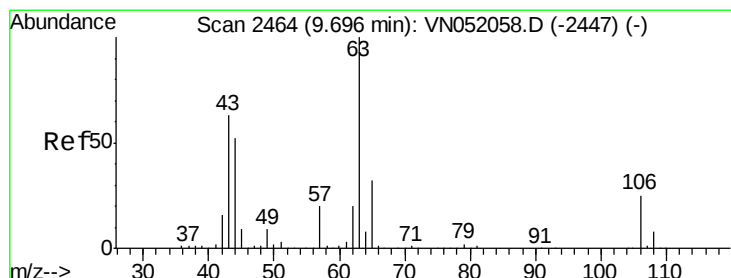
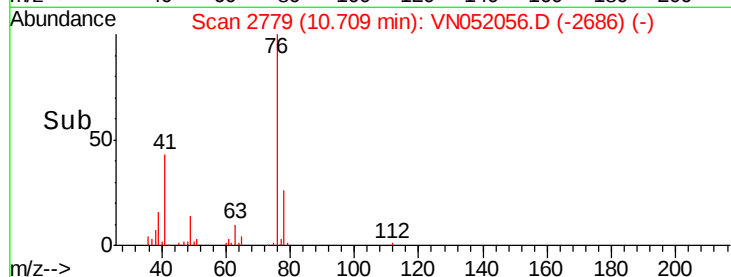
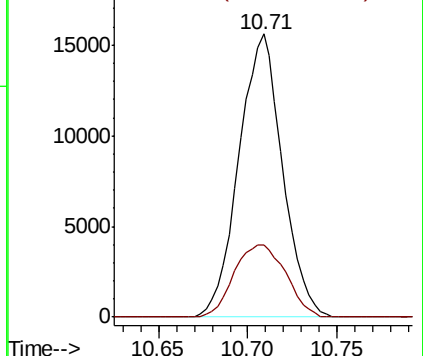
MMDadoda

11/1/2018 11:47:44 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 28.471 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052056.D

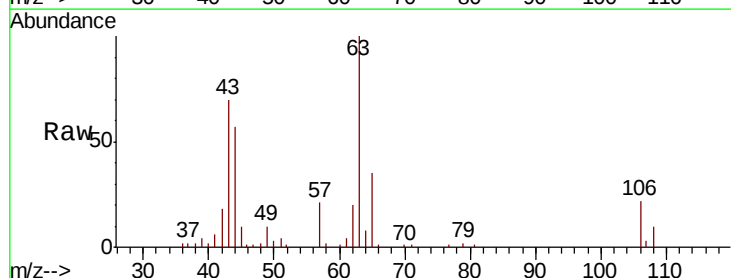
Acq: 30 Oct 2018 9:52

Tgt Ion: 63 Resp: 53734

Ion Ratio Lower Upper

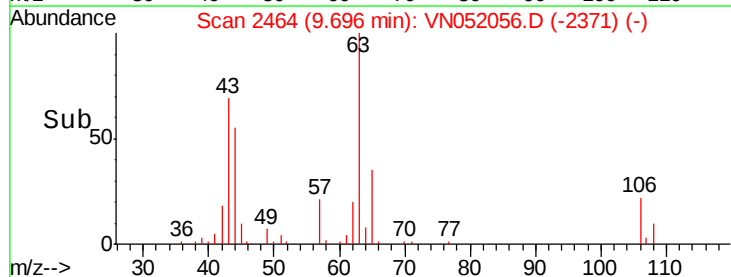
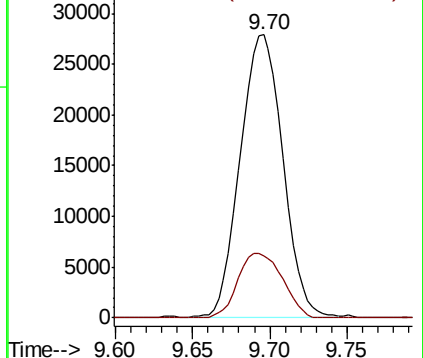
63 100

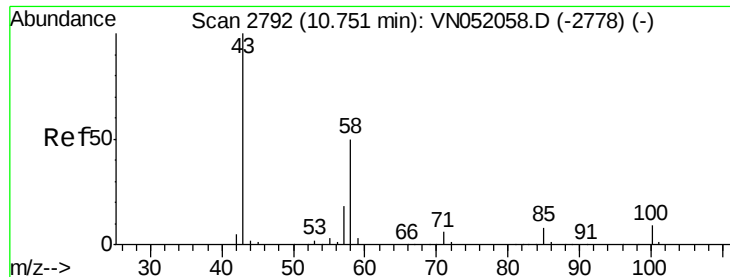
106 23.7 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





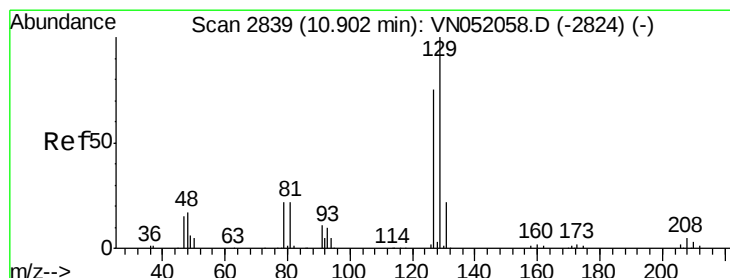
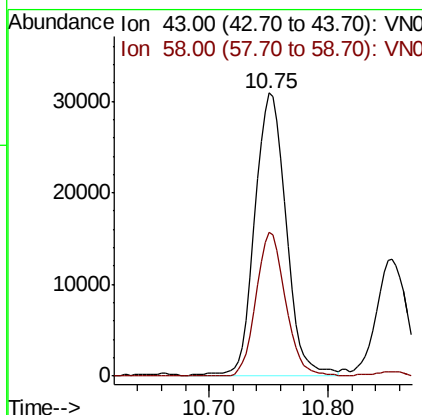
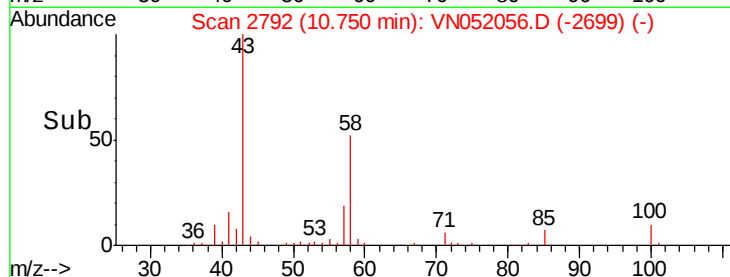
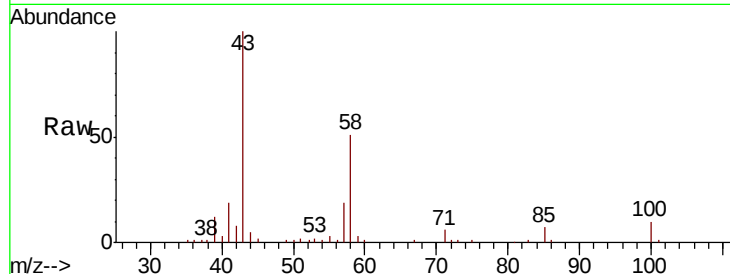
#59
2-Hexanone
Concen: 30.427 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 56661
Ion Ratio Lower Upper
43 100
58 47.4 25.2 75.6

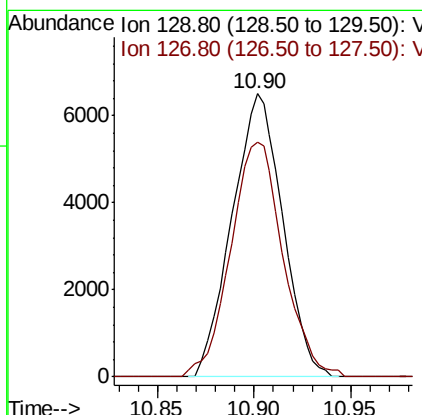
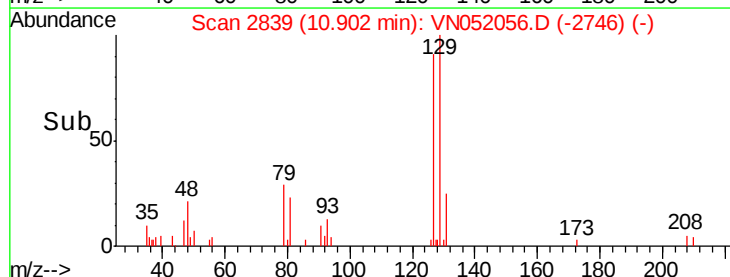
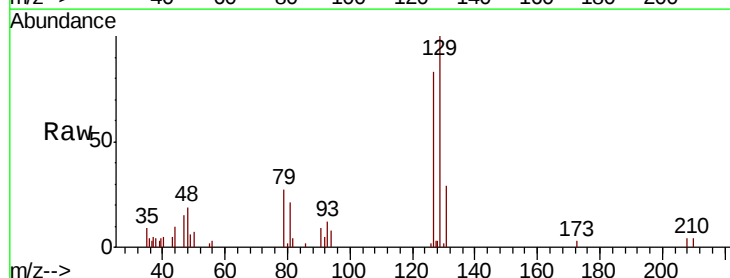
Manual Integrations
APPROVED

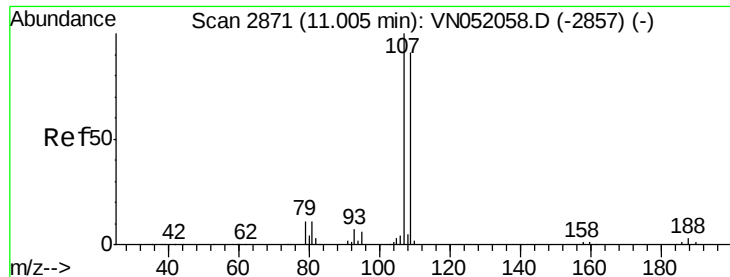
MMDadoda
11/1/2018 11:47:44 AM



#60
Dibromochloromethane
Concen: 4.938 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion:129 Resp: 11821
Ion Ratio Lower Upper
129 100
127 85.9 38.5 115.5





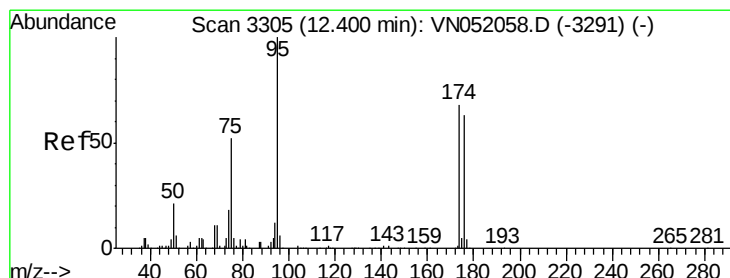
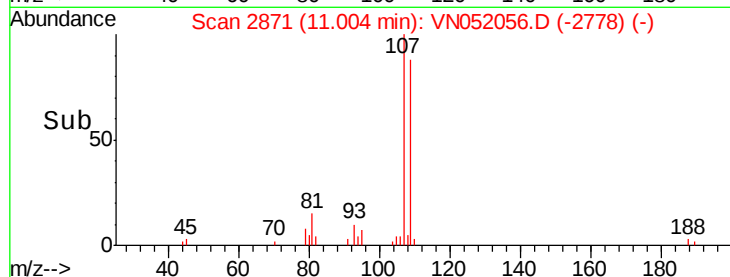
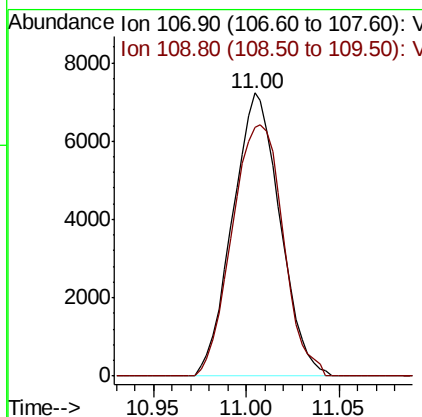
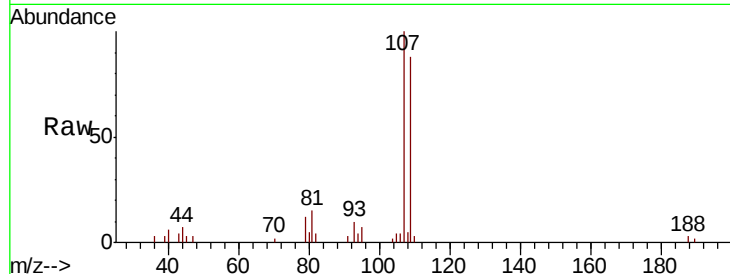
#61
 1,2-Dibromoethane
 Concen: 5.144 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.1	112.7

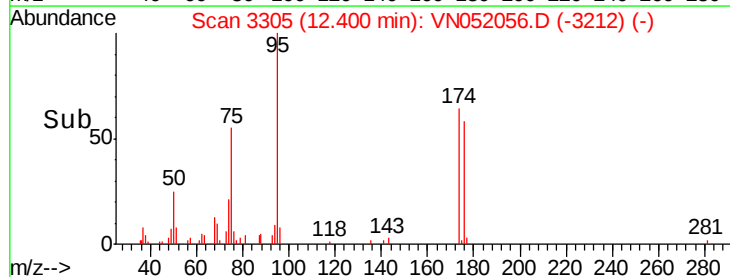
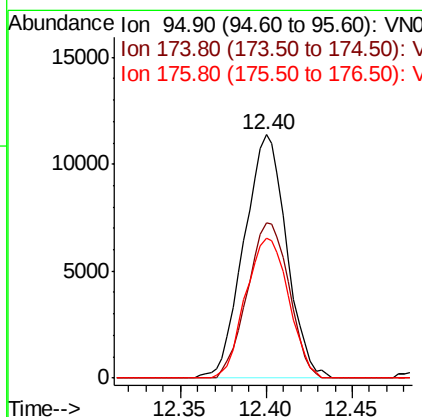
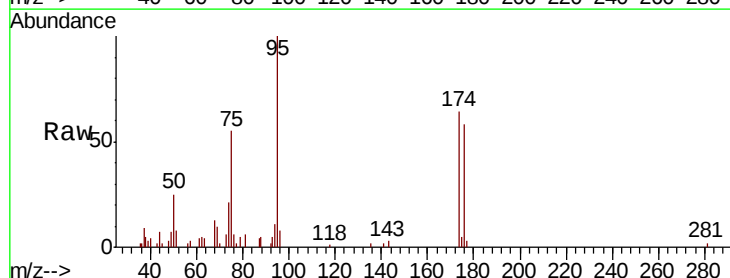
Manual Integrations
 APPROVED

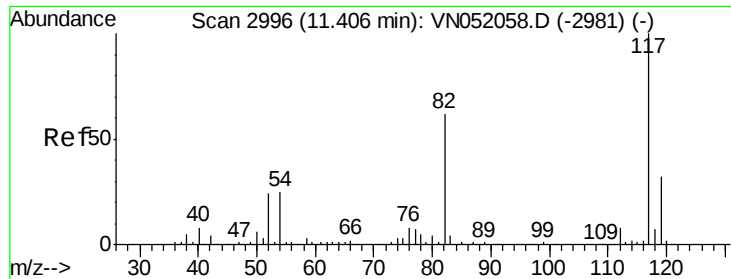
MMDadoda
 11/1/2018 11:47:44 AM



#62
 4-Bromofluorobenzene
 Concen: 5.144 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	62.5	0.0	131.8
176	58.1	0.0	126.0





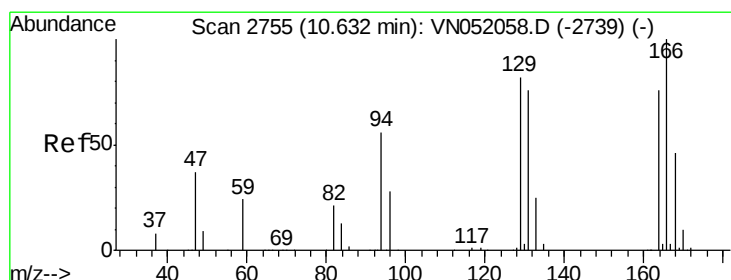
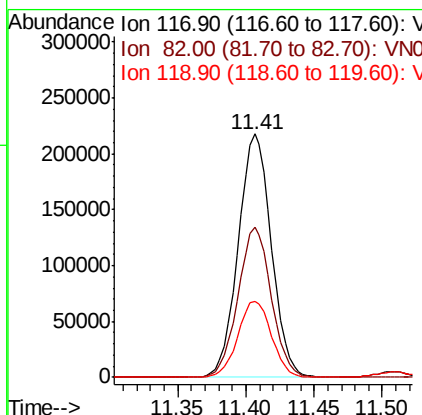
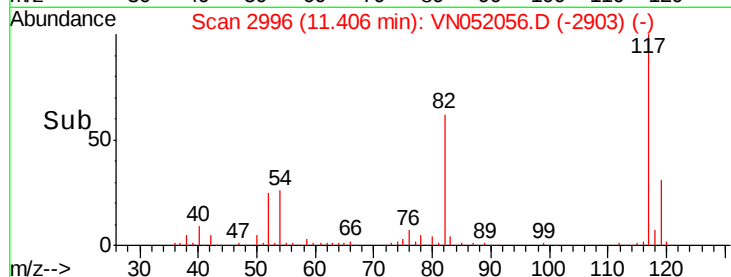
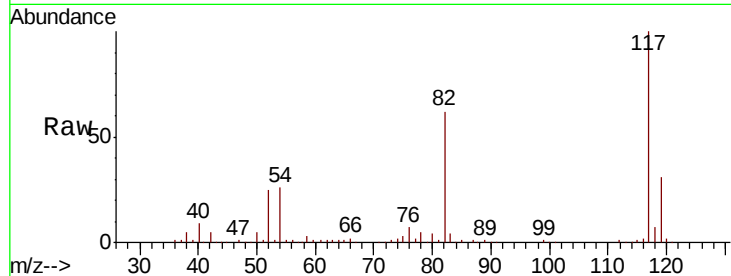
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.8	49.9	74.9
119	31.4	25.7	38.5

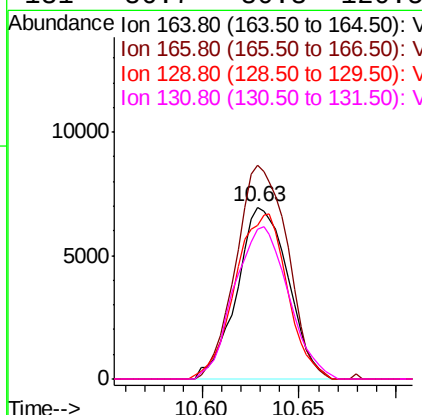
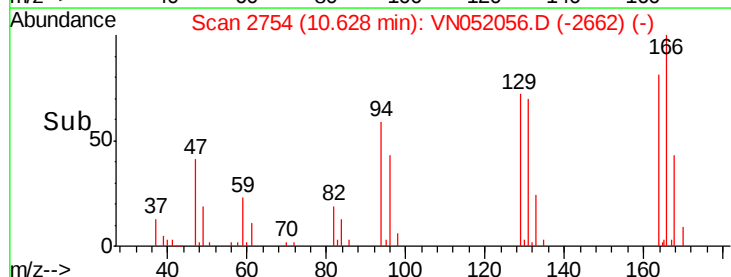
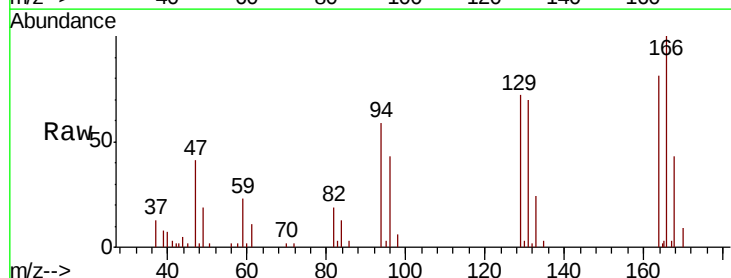
Manual Integrations
APPROVED

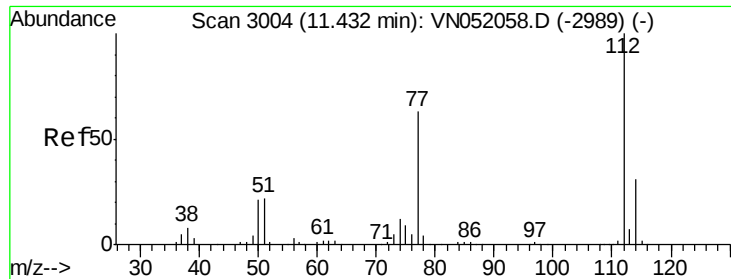
MMDadoda
11/1/2018 11:47:44 AM



#64
Tetrachloroethene
Concen: 6.092 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	105.4	158.0
129	89.6	86.1	129.1
131	86.7	80.3	120.5





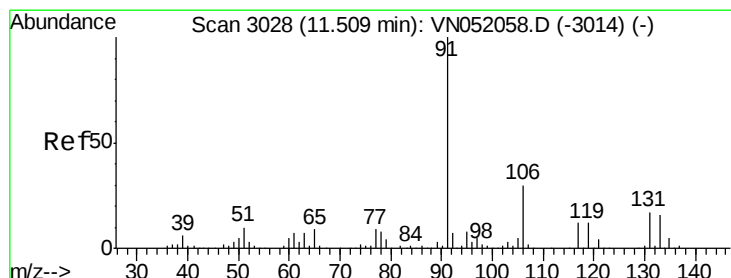
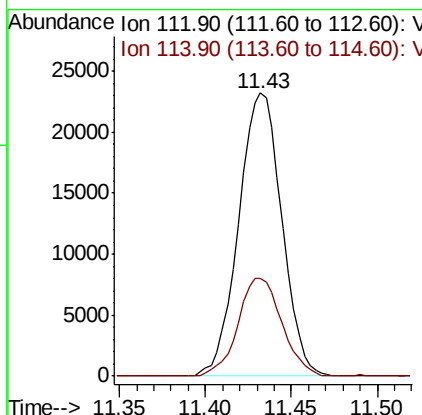
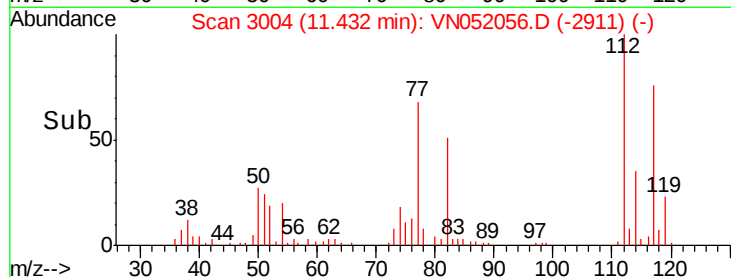
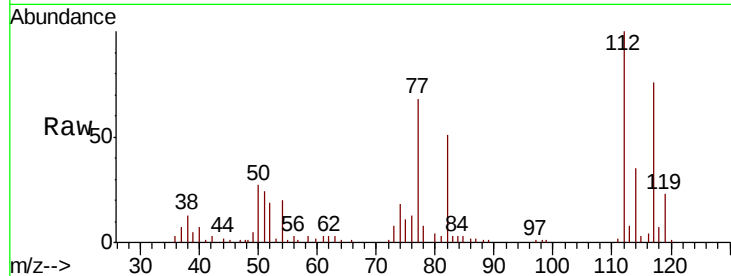
#65
Chlorobenzene
Concen: 5.375 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:112 Resp: 40420
Ion Ratio Lower Upper
112 100
114 34.5 25.1 37.7

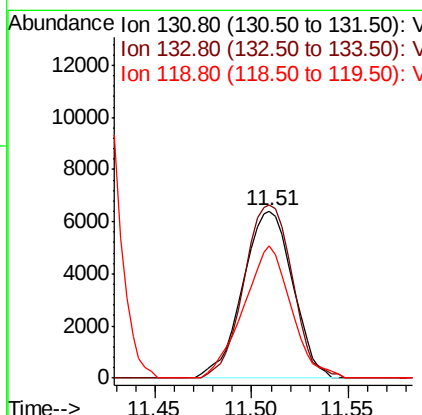
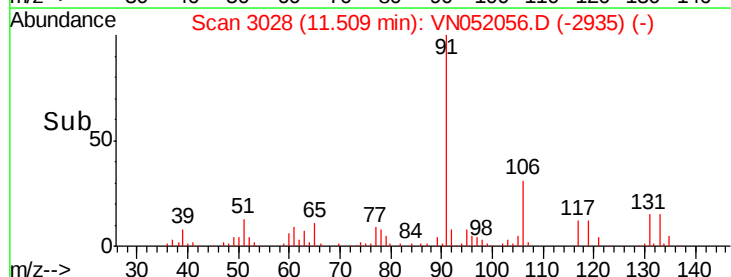
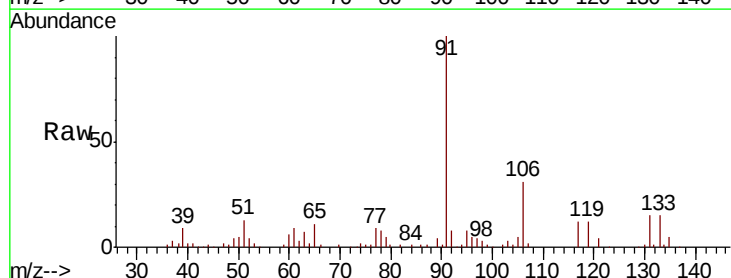
Manual Integrations
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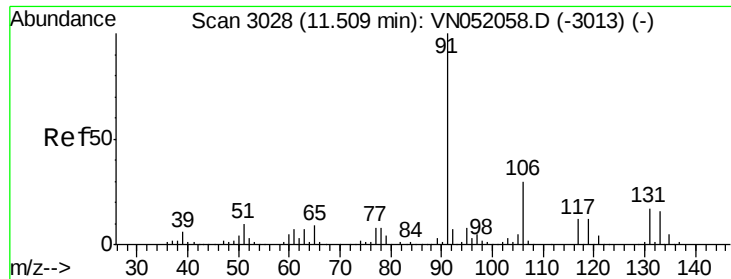
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.014 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion:131 Resp: 11502
Ion Ratio Lower Upper
131 100
133 100.8 47.6 142.9
119 75.6 34.4 103.2





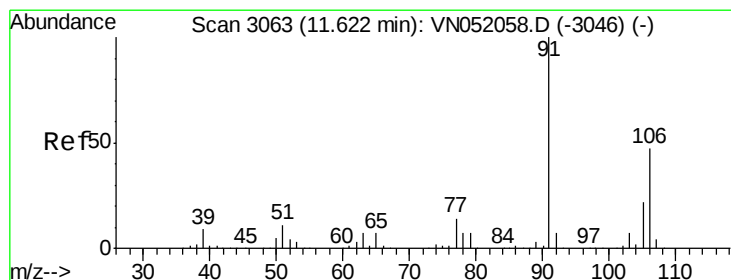
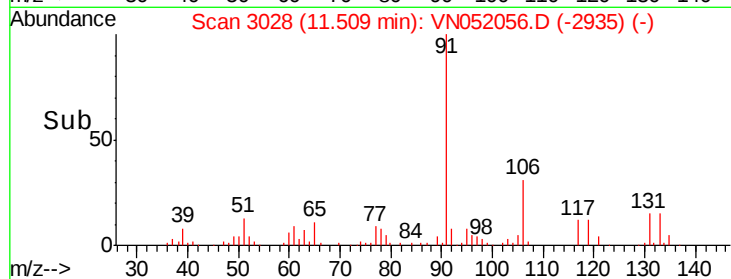
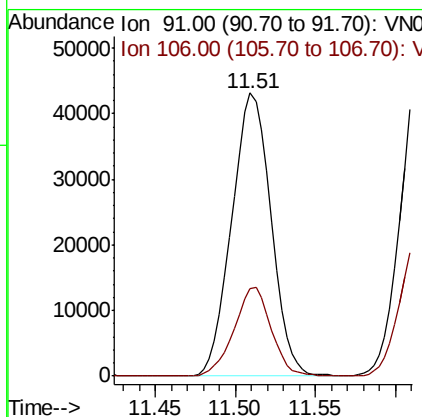
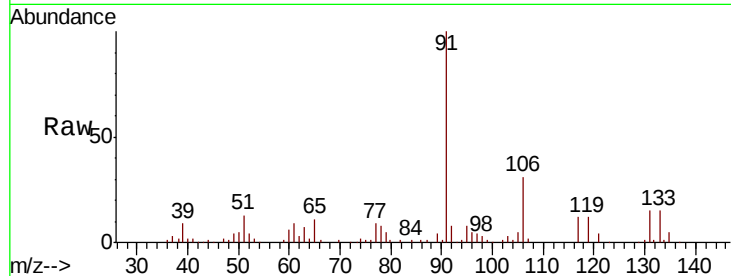
#67
Ethyl Benzene
Concen: 5.482 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 72208
Ion Ratio Lower Upper
91 100
106 30.9 24.1 36.1

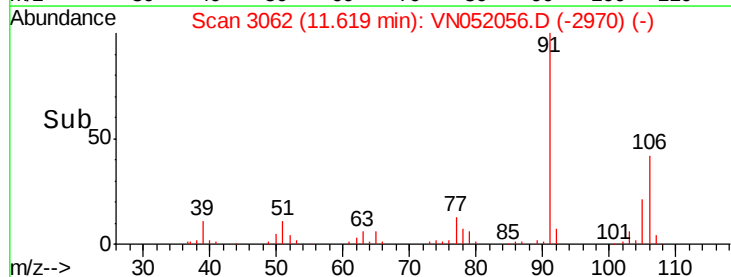
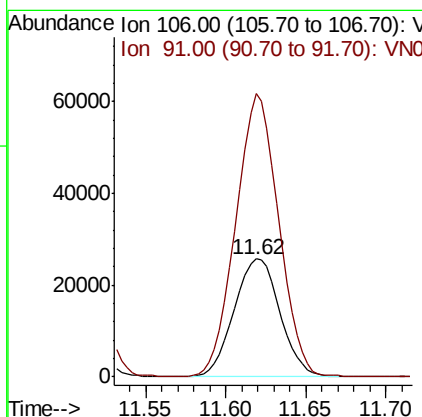
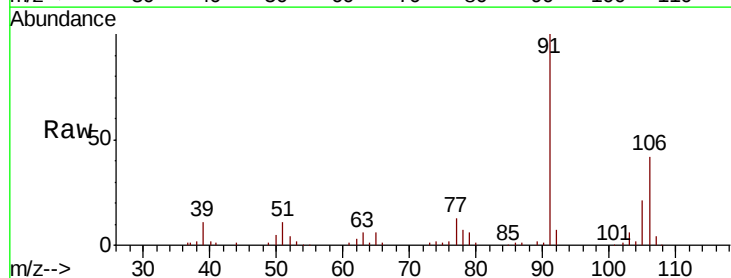
Manual Integrations
APPROVED

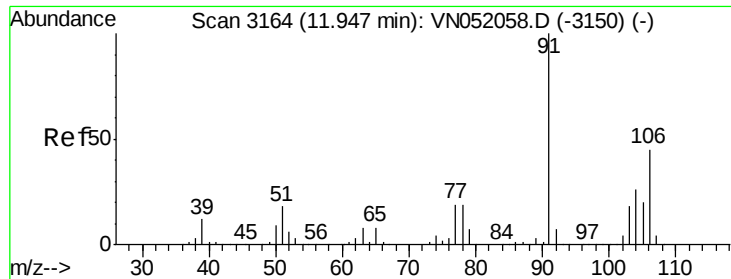
MMDadoda
11/1/2018 11:47:44 AM



#68
m/p-Xylenes
Concen: 11.039 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion: 106 Resp: 50471
Ion Ratio Lower Upper
106 100
91 224.0 168.7 253.1





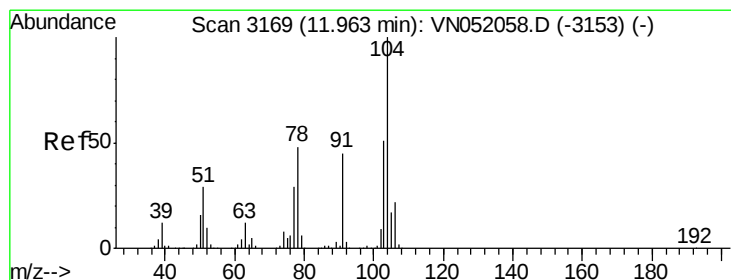
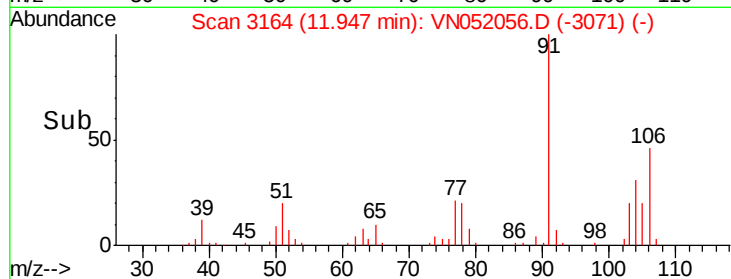
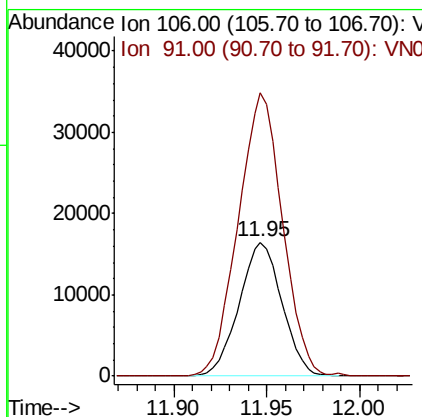
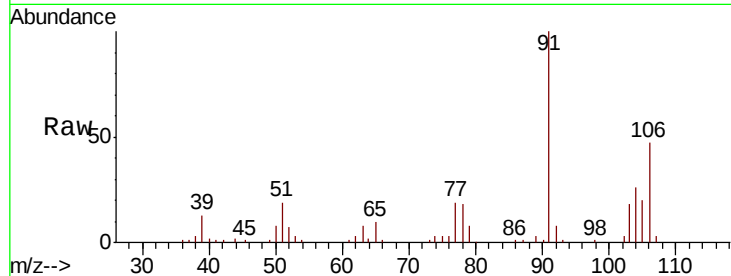
#69
o-Xylene
Concen: 5.911 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	219.1	109.6	328.6	

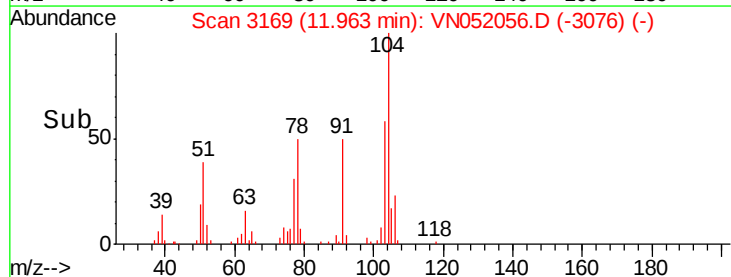
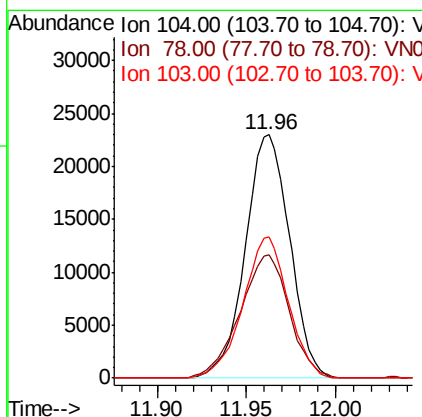
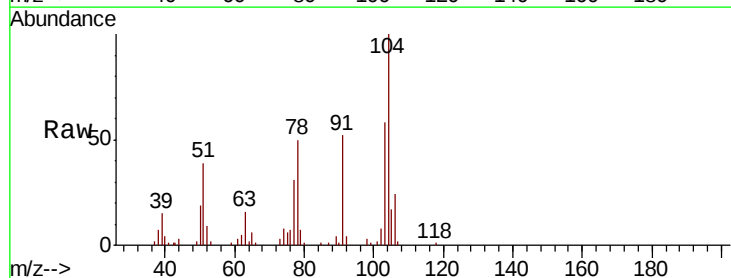
Manual Integrations
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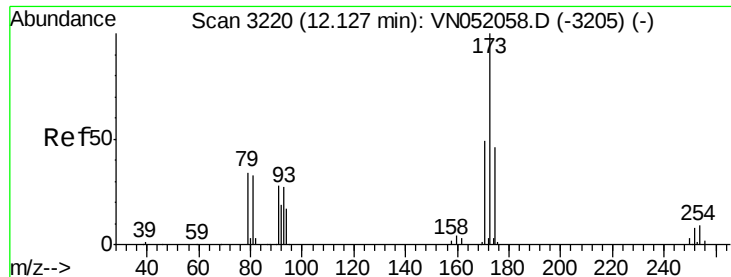
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#70
Styrene
Concen: 5.450 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	56.2	43.0	64.6	
103	59.1	45.1	67.7	





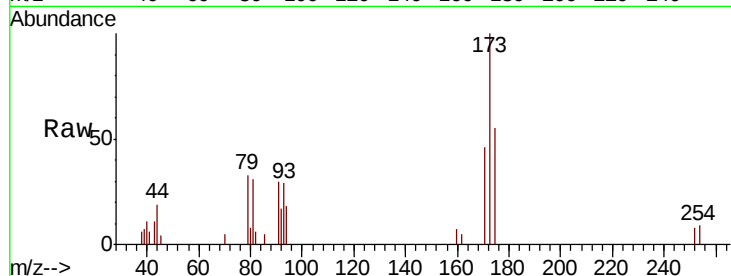
#71
Bromoform
Concen: 5.007 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	58.4	23.9	71.7
254	0.0	0.0	0.0

Manual Integrations
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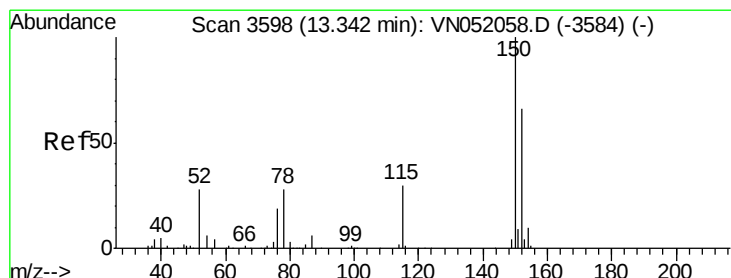
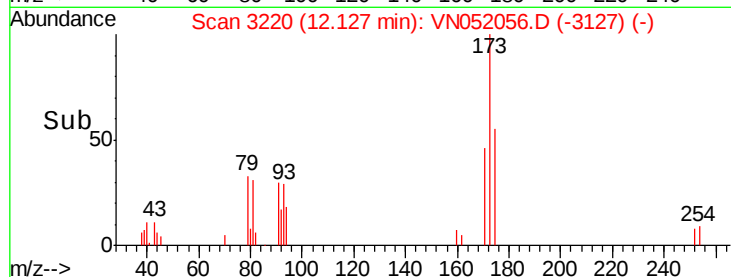
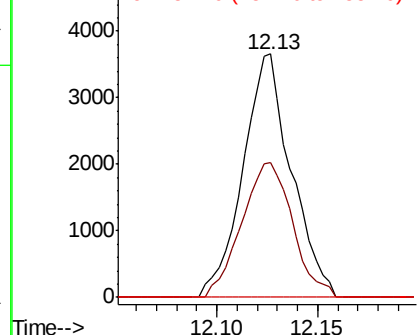


Abundance

Ion 172.70 (172.40 to 173.40): V

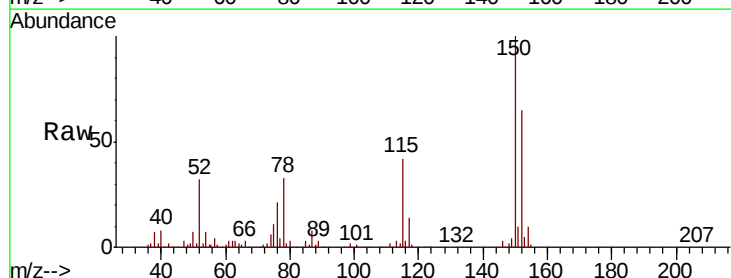
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.8	31.6	95.0
150	155.9	0.0	345.0

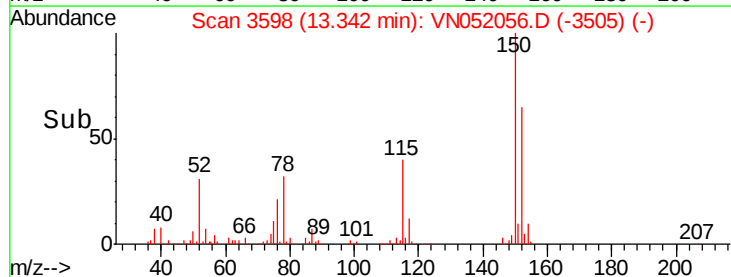
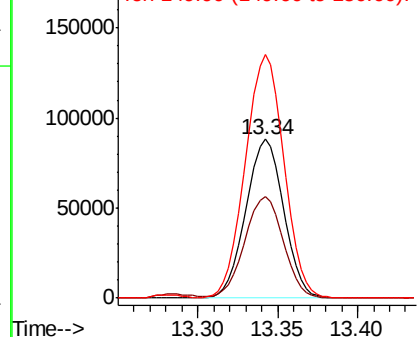


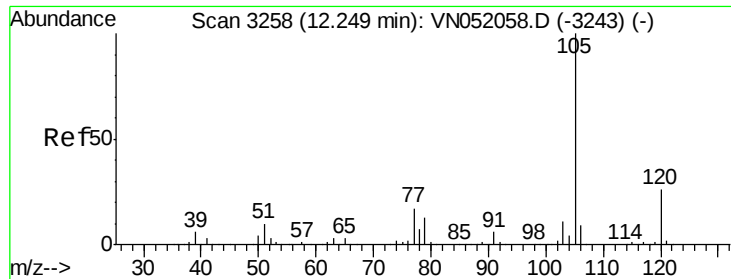
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.970 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 67139

Ion Ratio Lower Upper

105 100

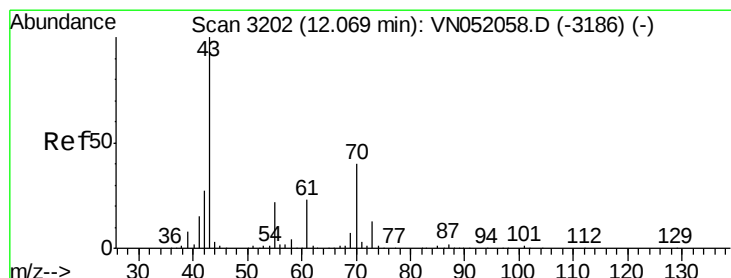
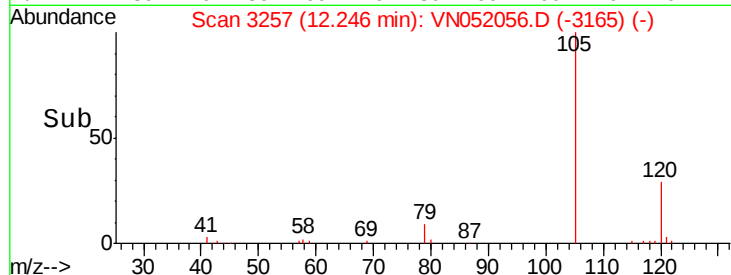
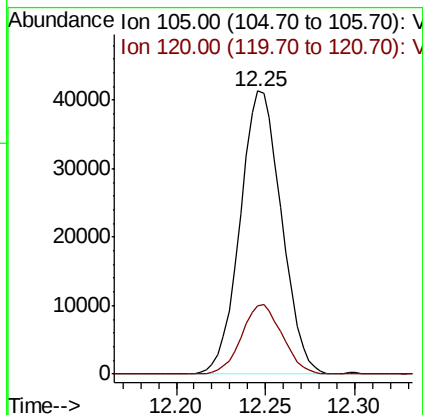
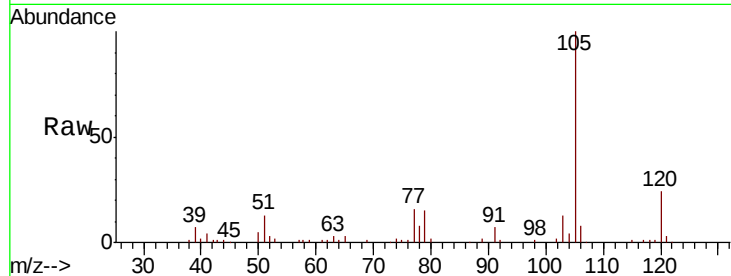
120 24.0 12.8 38.4

Manual Integrations

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11/1/2018 11:47:44 AM



#74

N-ethyl acetate

Concen: 5.307 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Tgt Ion: 43 Resp: 22684

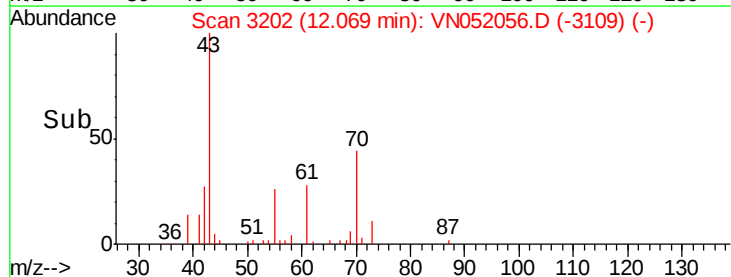
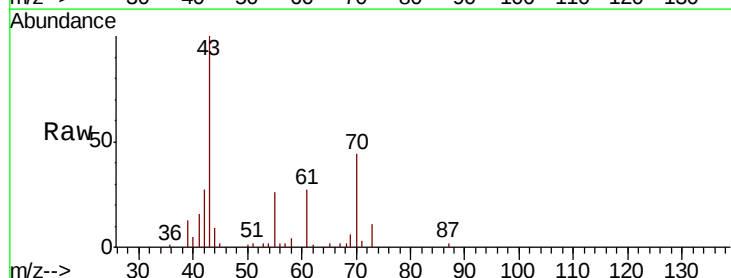
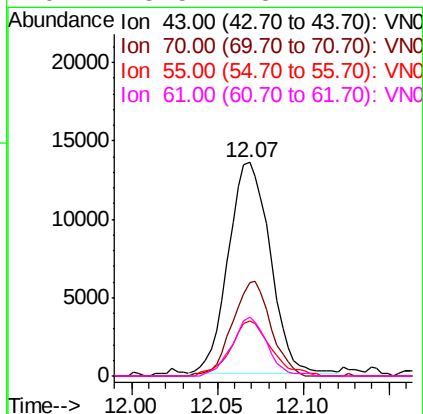
Ion Ratio Lower Upper

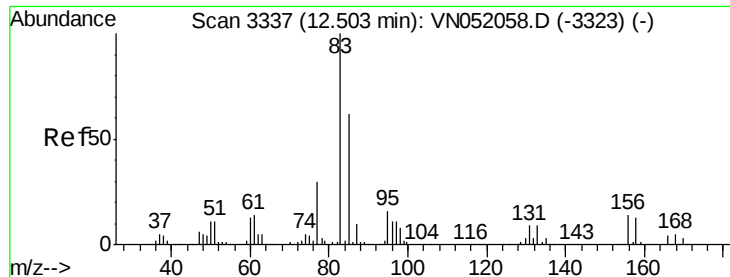
43 100

70 41.2 31.9 47.9

55 25.3 18.4 27.6

61 23.5 18.2 27.4





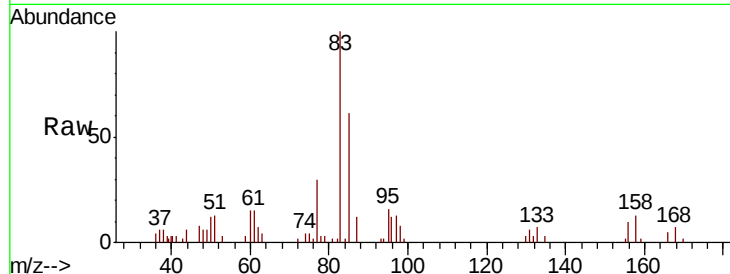
#75
1,1,2,2-Tetrachloroethane
Concen: 5.781 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

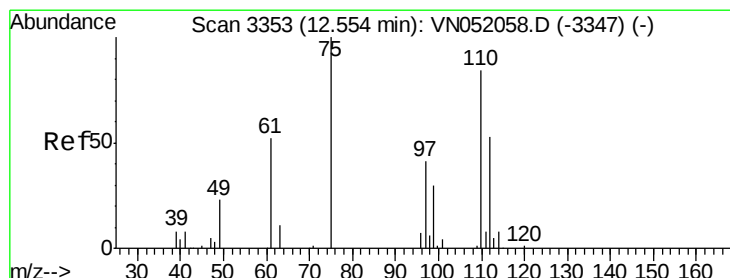
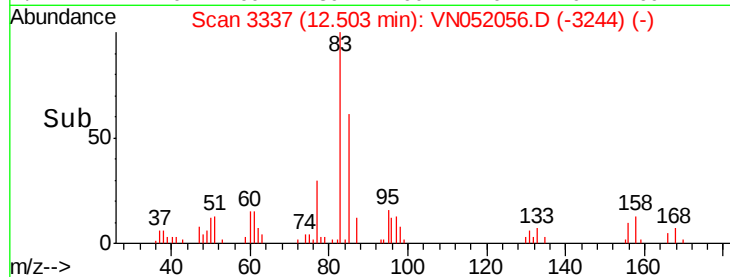
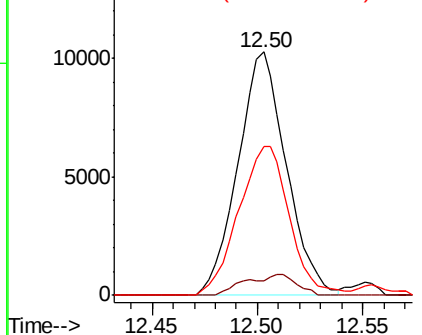
Tot Ion	Ratio	Resp	Lower	Upper
83	100	16389		
131	5.6	4.5	13.4	
85	64.0	31.3	93.9	

Manual Integrations
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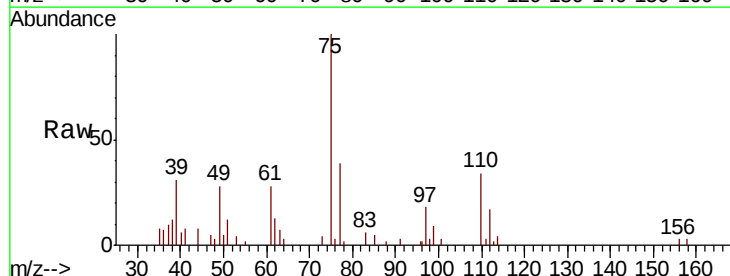


Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC

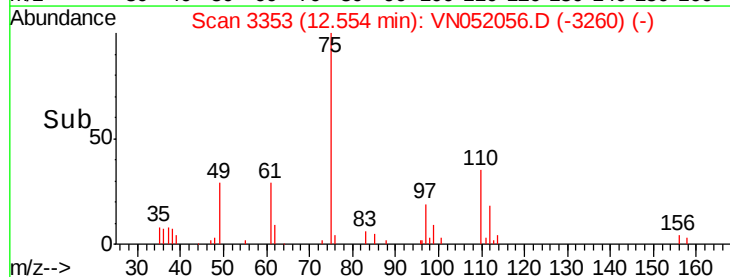
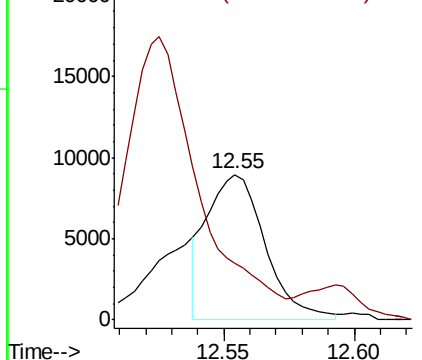


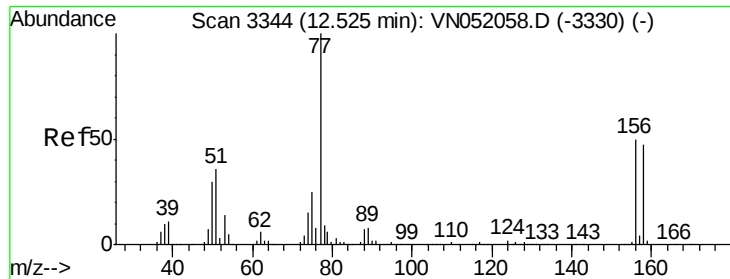
#76
1,2,3-Trichloropropane
Concen: 5.748 ug/l m
RT: 12.55 min Scan# 3353
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13892		
77	0.0	0.0	0.0	



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 5.474 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

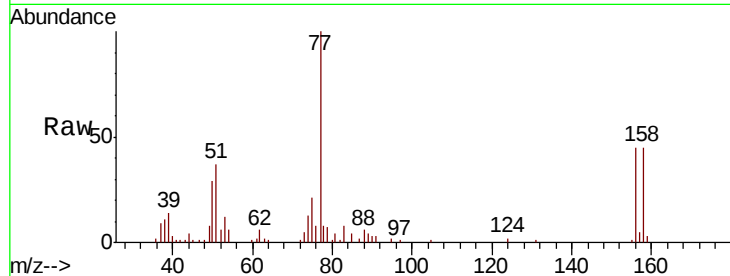
ClientSampleId :

VSTDIC005

Tot Ion	156	Resp	13347
Ion Ratio	100	Lower	Upper
156	100		
77	259.7	119.6	358.6
158	97.8	47.8	143.4

Manual Integrations
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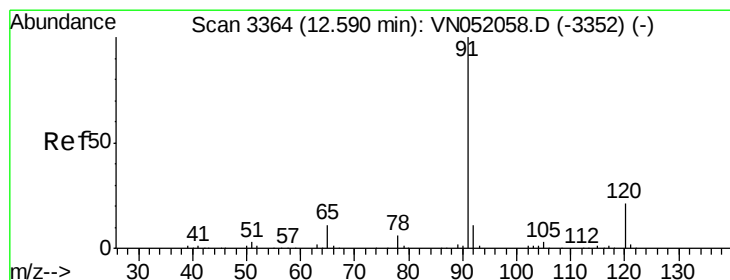
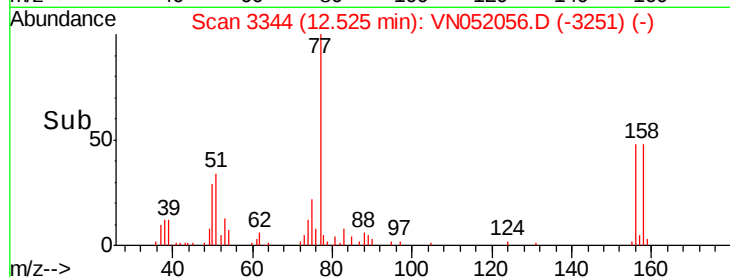
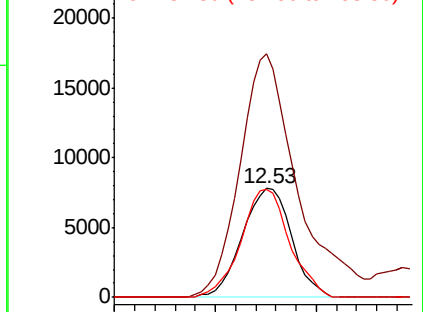
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.620 ug/l

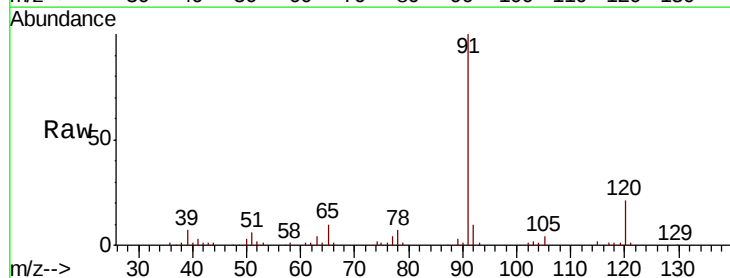
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052056.D

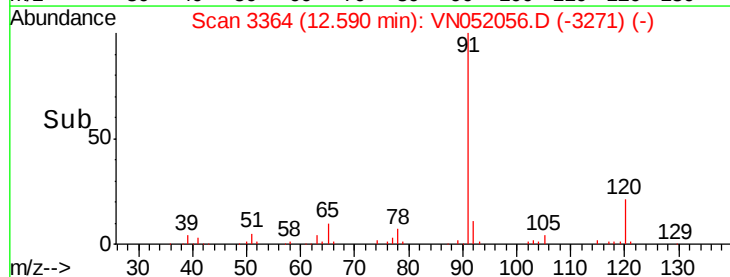
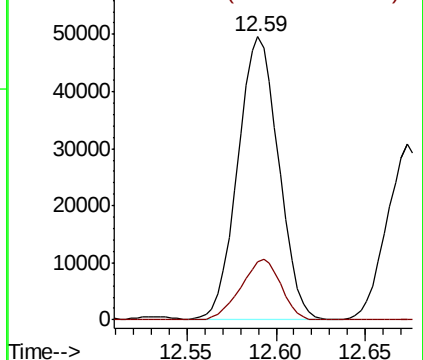
Acq: 30 Oct 2018 9:52

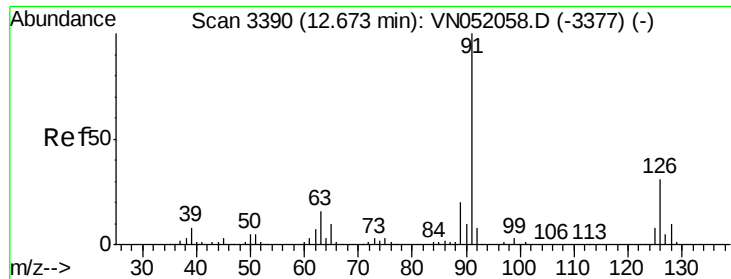
Tgt Ion	91	Resp	79442
Ion Ratio	100	Lower	Upper
91	100		
120	21.0	10.8	32.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 6.218 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 49361

Ion Ratio Lower Upper

91 100

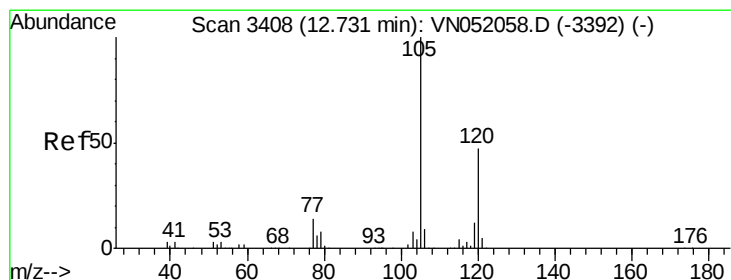
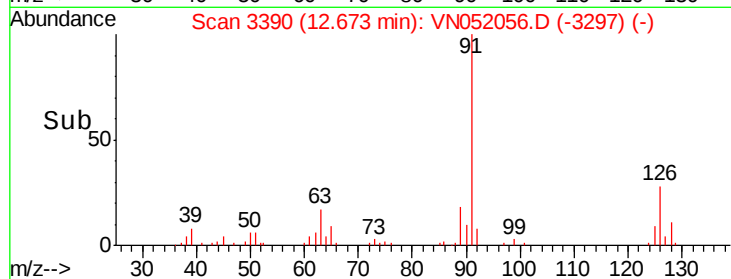
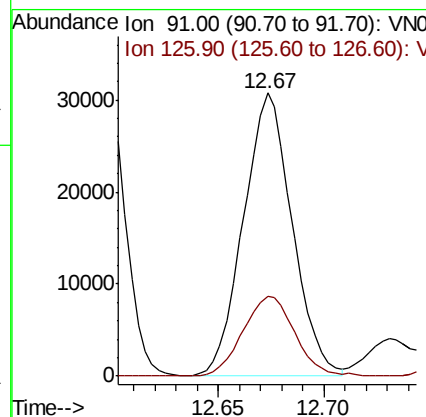
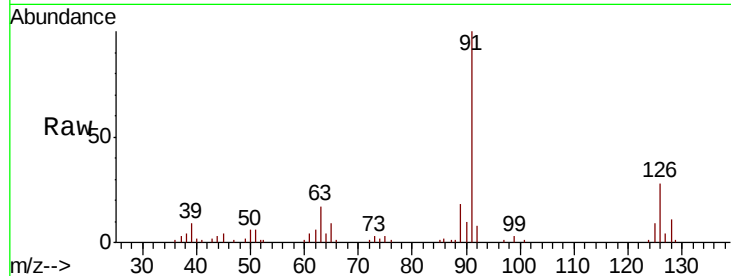
126 30.0 15.9 47.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.742 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052056.D

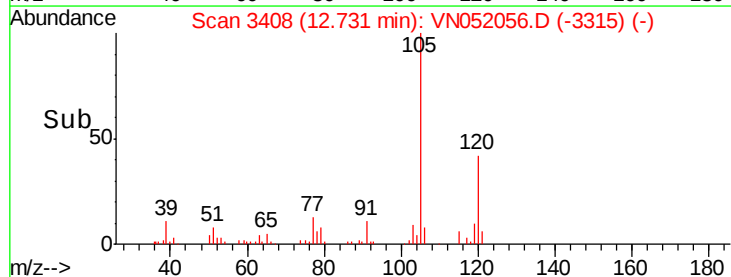
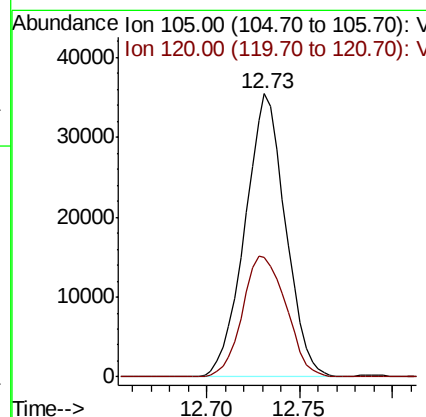
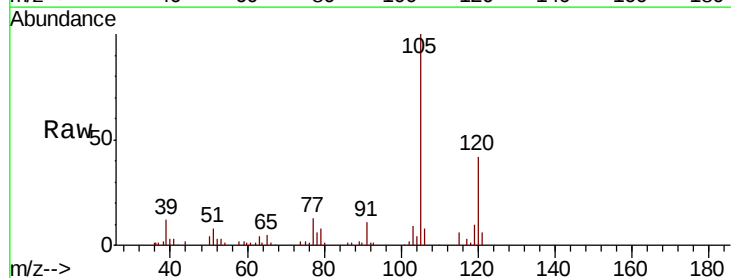
Acq: 30 Oct 2018 9:52

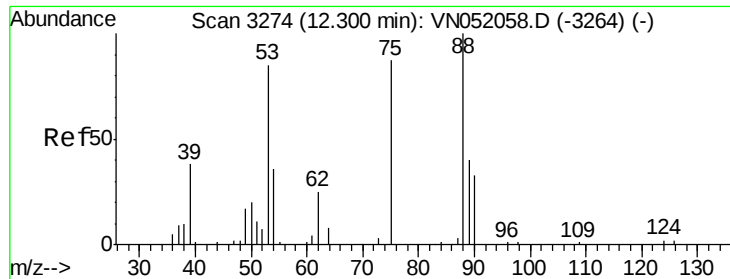
Tgt Ion: 105 Resp: 53667

Ion Ratio Lower Upper

105 100

120 45.7 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 4.392 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

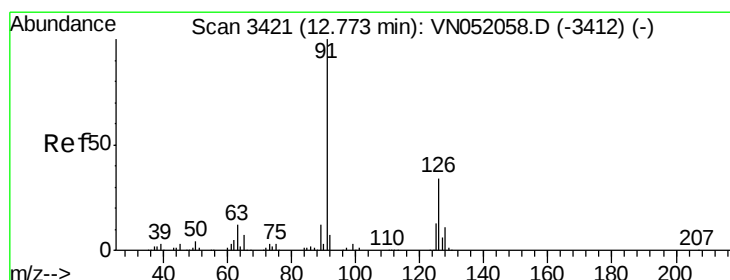
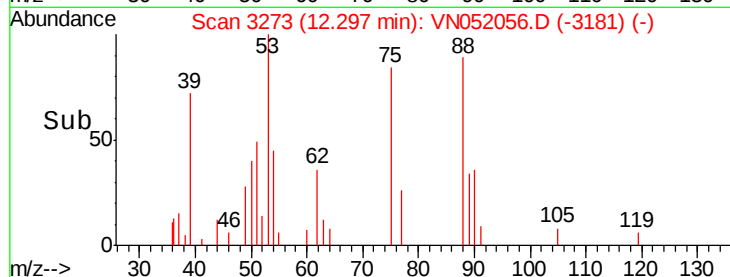
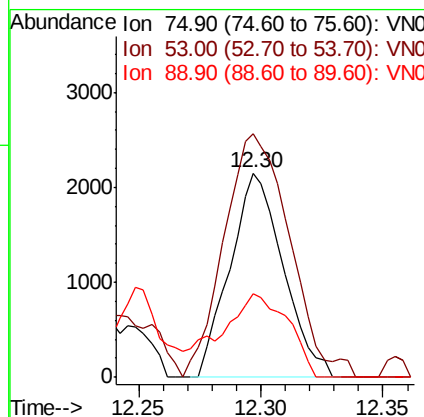
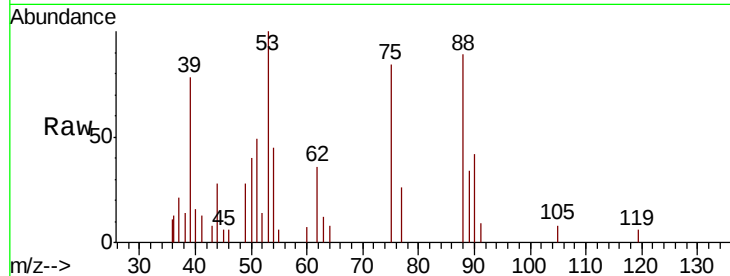
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	147.3	81.8	122.6
89	52.3	36.6	54.8

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#82

4-Chlorotoluene

Concen: 5.938 ug/l

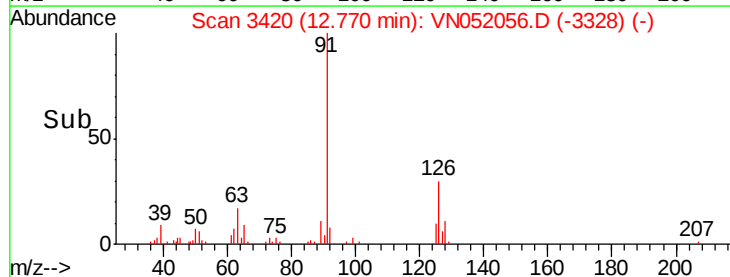
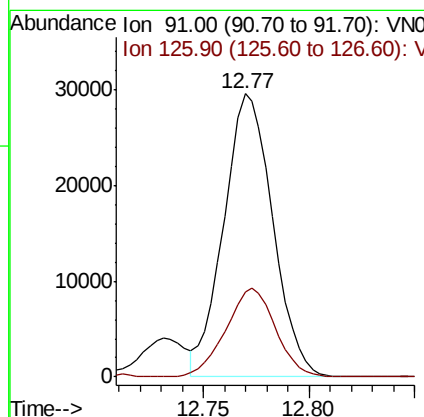
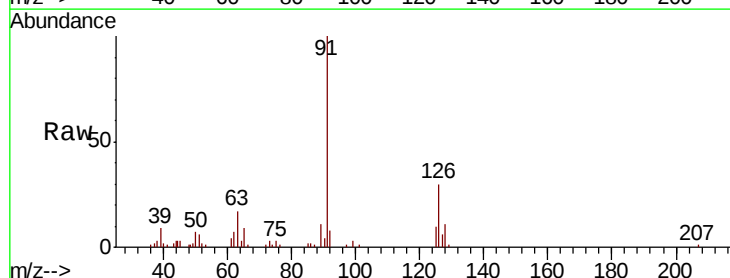
RT: 12.77 min Scan# 3420

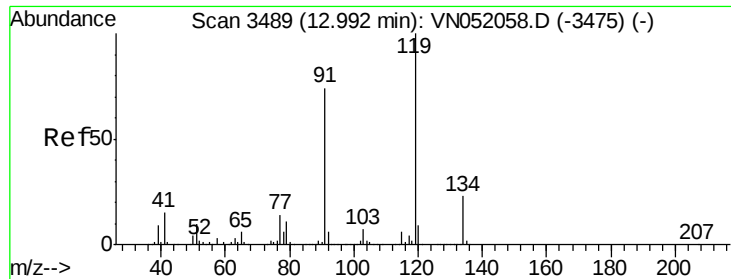
Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1





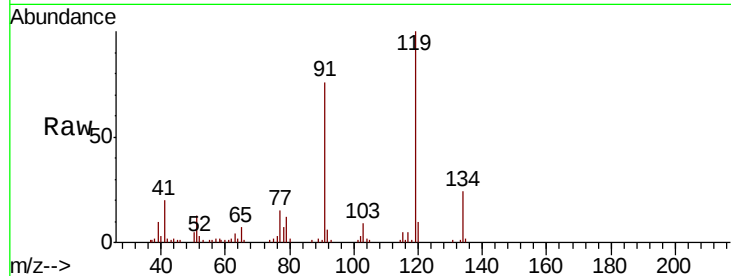
#83
tert-Butylbenzene
Concen: 5.604 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

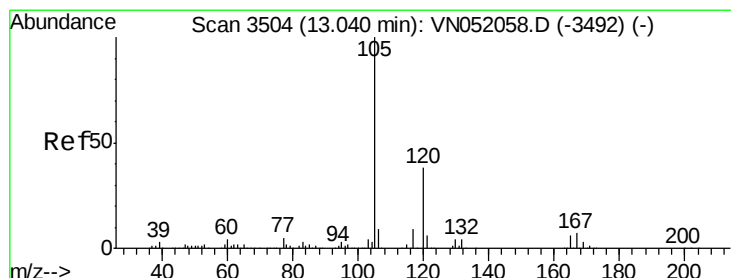
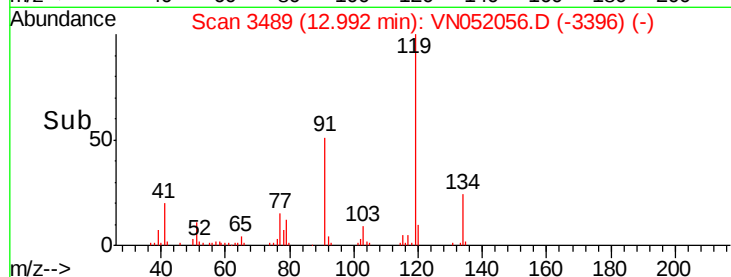
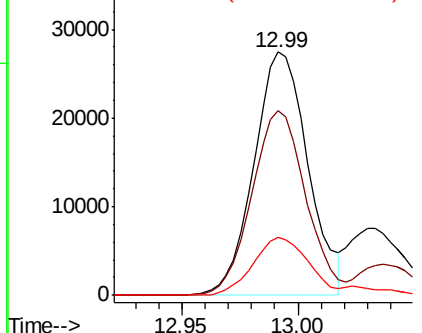
Tot Ion	Ratio	Lower	Upper
119	100		
91	75.8	36.6	109.9
134	24.1	12.5	37.5

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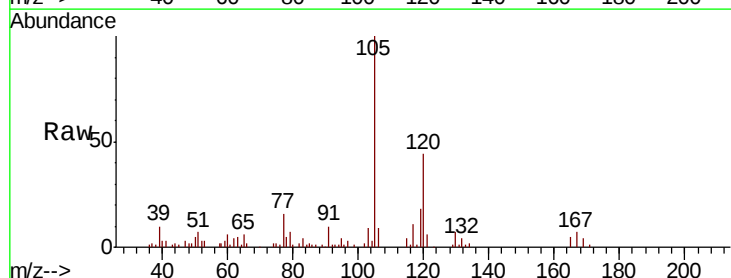


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

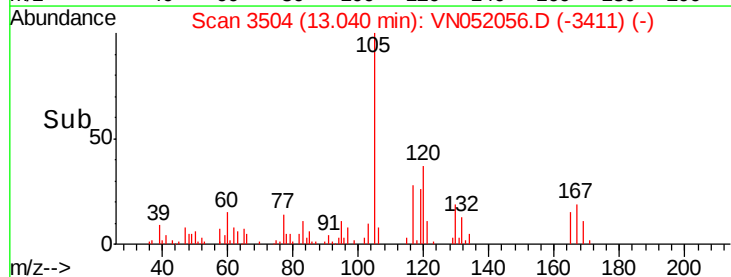
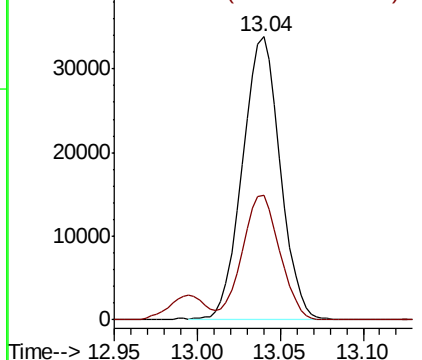


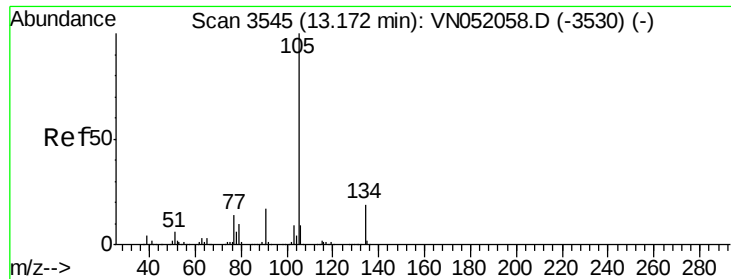
#84
1,2,4-Trimethylbenzene
Concen: 5.865 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.633 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 63369

Ion Ratio Lower Upper

105 100

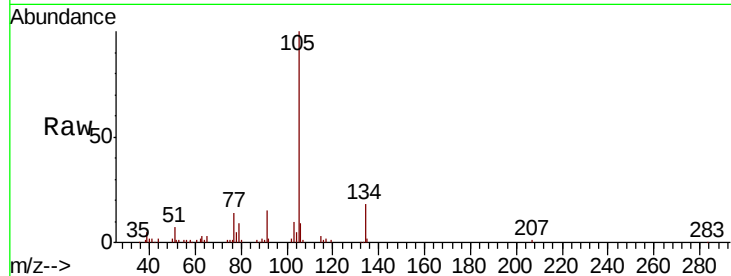
134 18.4 9.1 27.3

Manual Integrations

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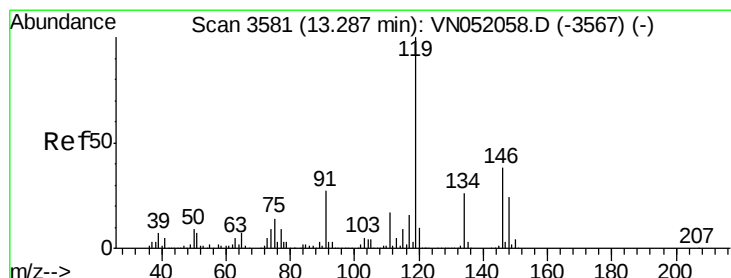
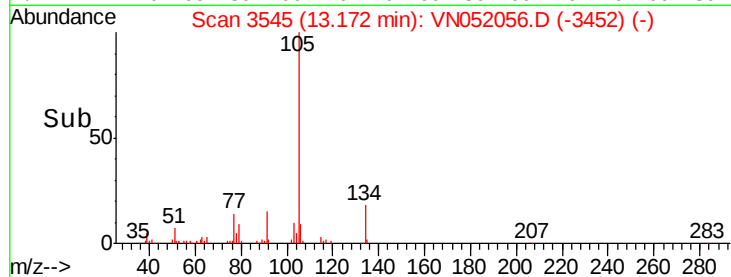
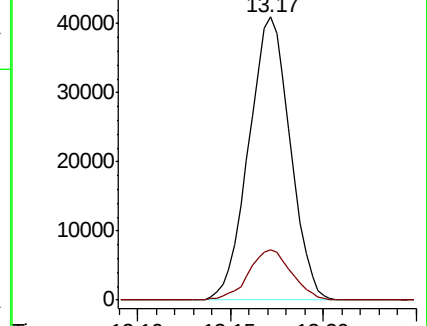
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.485 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

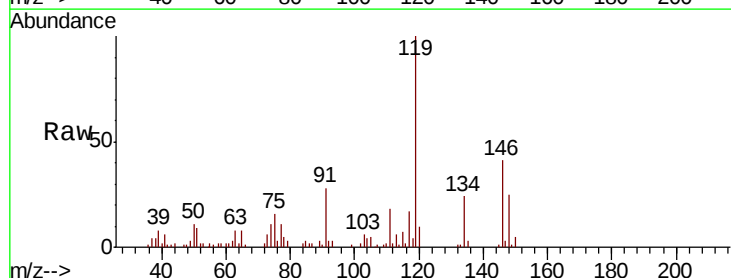
Tgt Ion:119 Resp: 50046

Ion Ratio Lower Upper

119 100

134 24.7 12.8 38.3

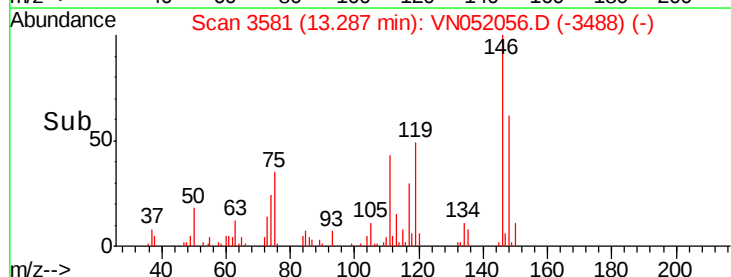
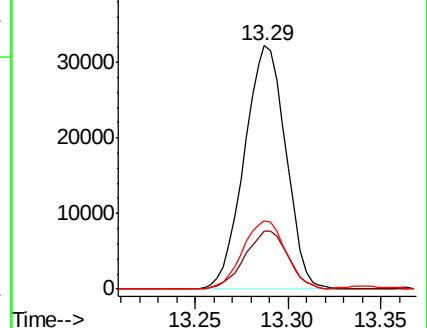
91 28.9 13.4 40.2

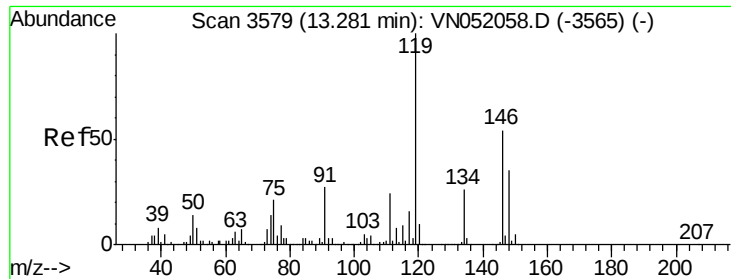


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





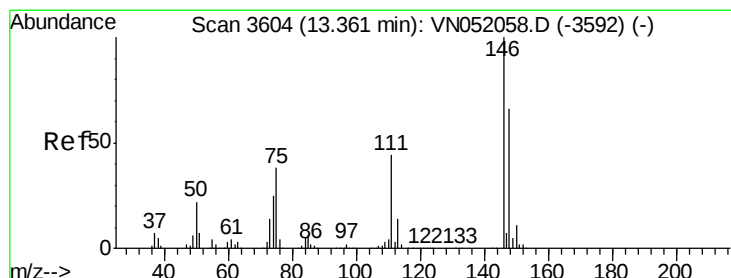
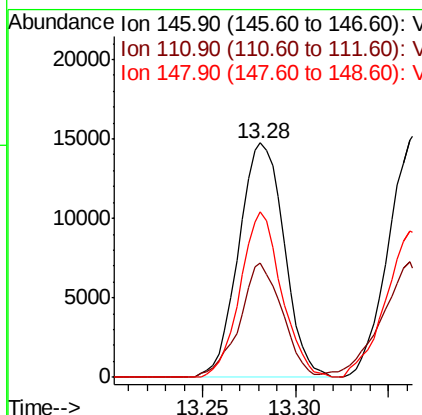
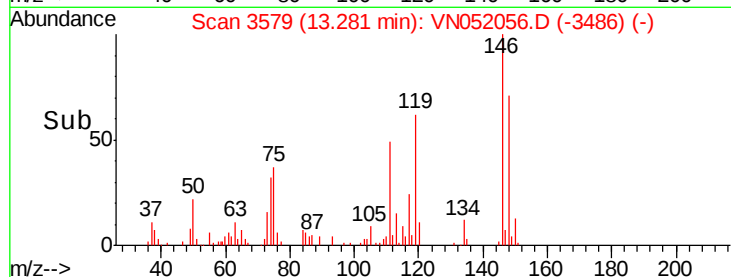
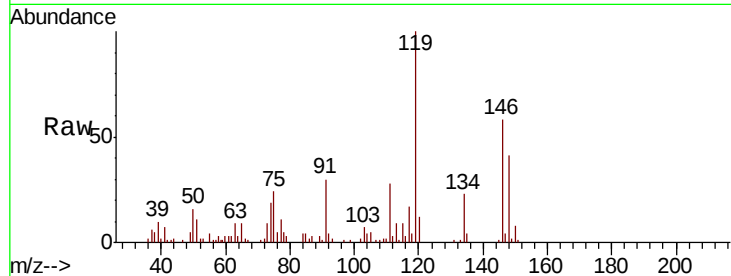
#87
 1,3-Dichlorobenzene
 Concen: 5.629 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.9	68.8
148	64.1	31.8	95.4

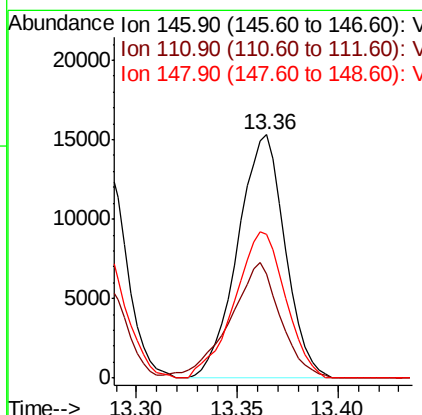
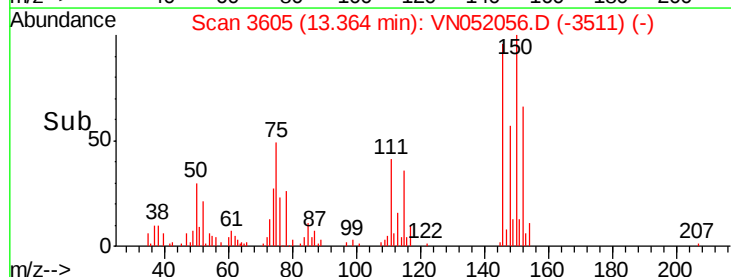
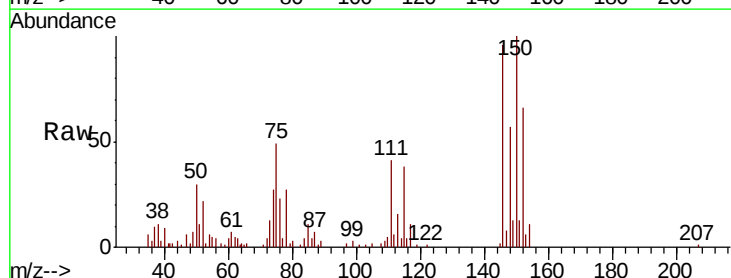
Manual Integrations
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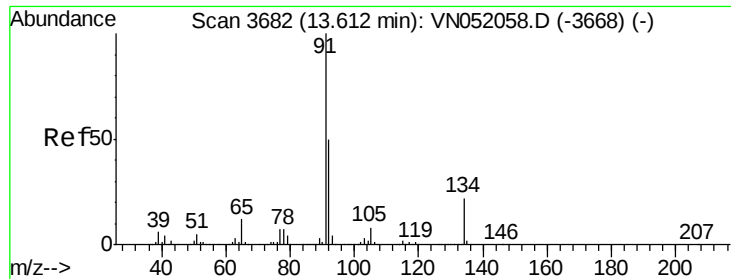
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#88
 1,4-Dichlorobenzene
 Concen: 5.550 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.8	21.9	65.8
148	64.6	32.6	98.0





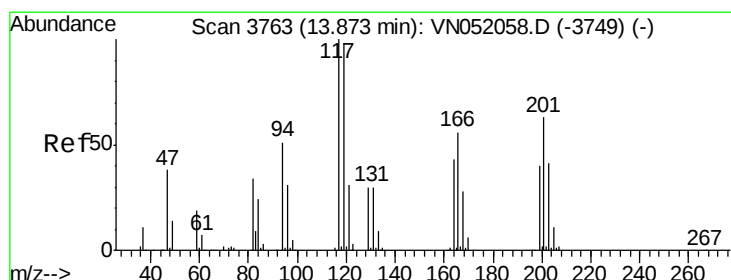
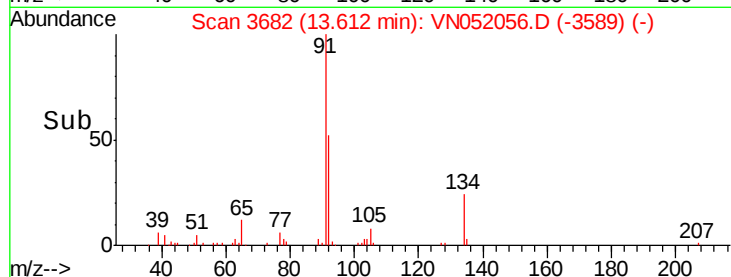
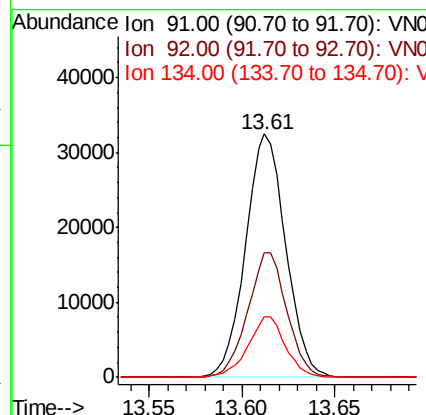
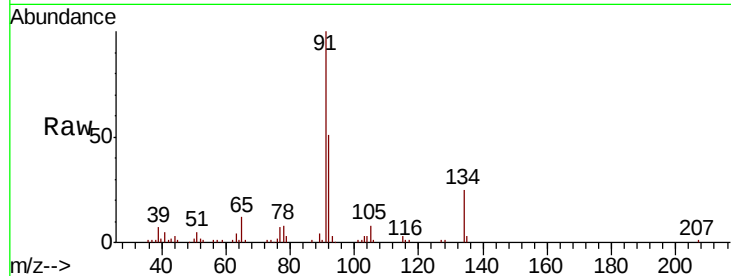
#89
n-Butylbenzene
Concen: 5.529 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	49.9	25.3	75.8	
134	23.1	11.2	33.5	

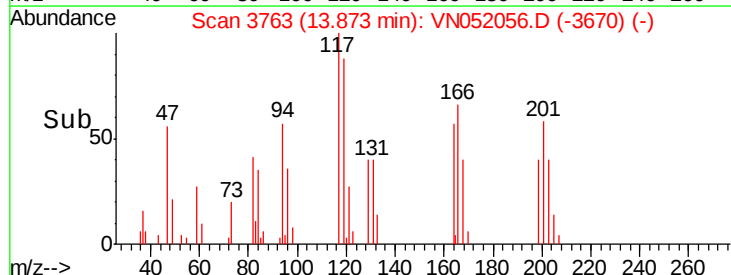
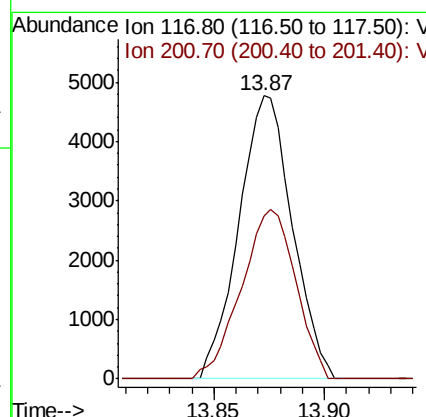
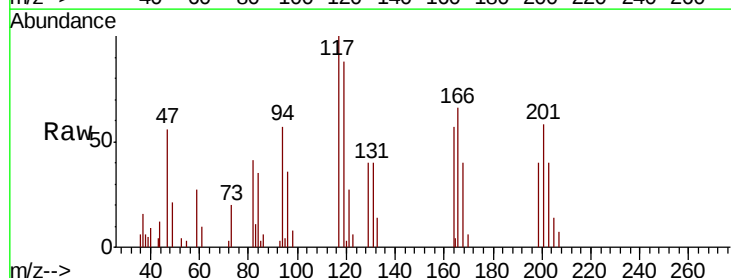
Manual Integrations
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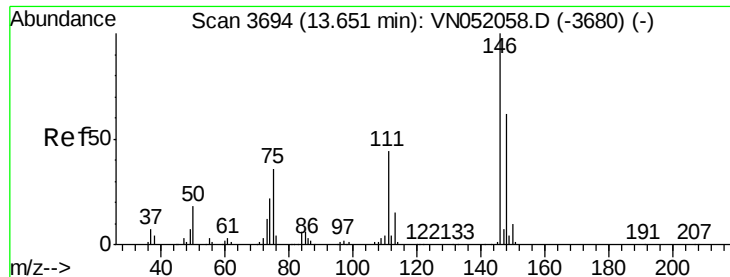
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#90
Hexachloroethane
Concen: 5.039 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052056.D
Acq: 30 Oct 2018 9:52

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	60.8	31.1	93.5	





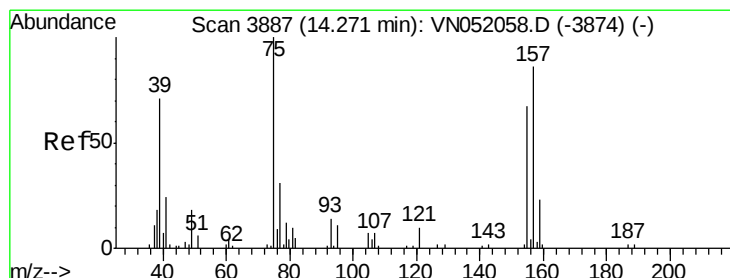
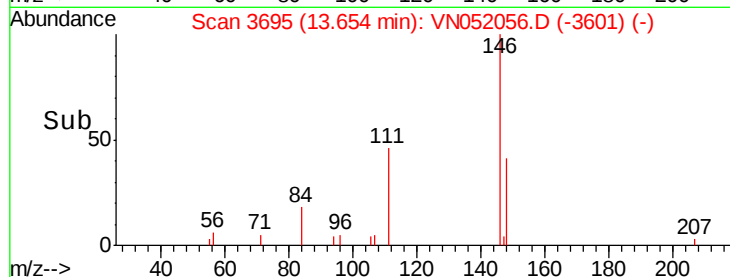
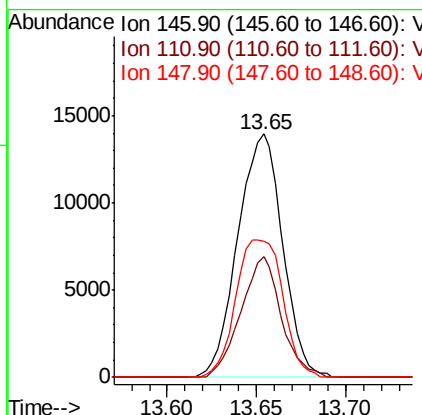
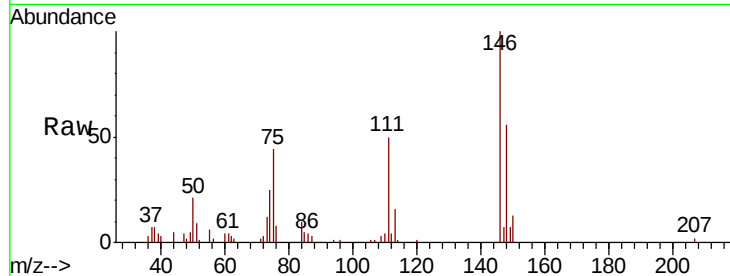
#91
 1,2-Dichlorobenzene
 Concen: 5.982 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.5	67.5
148	59.2	30.9	92.8

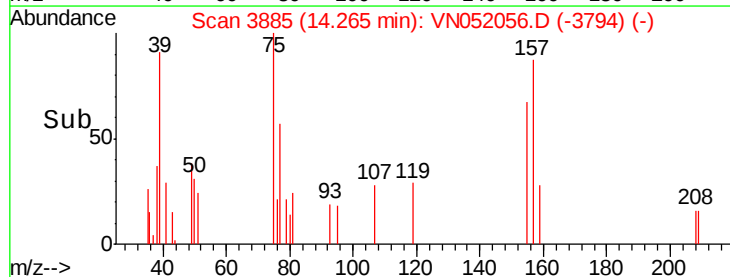
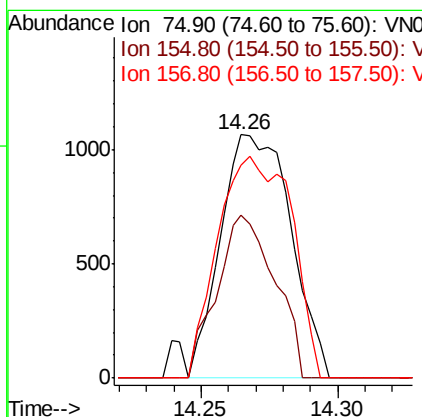
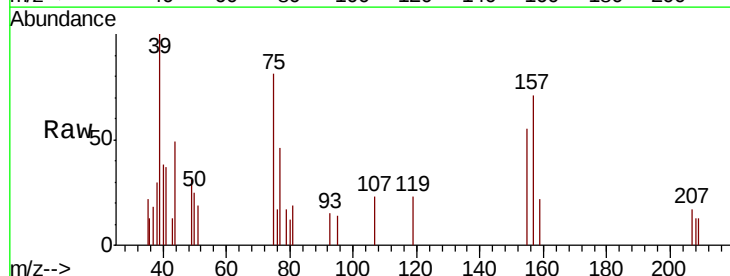
Manual Integrations
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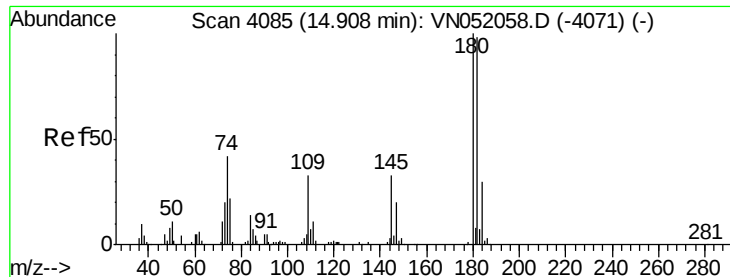
MMDadoda
 11/1/2018 11:47:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.362 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.01 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	55.1	34.0	102.0
157	95.9	42.1	126.4





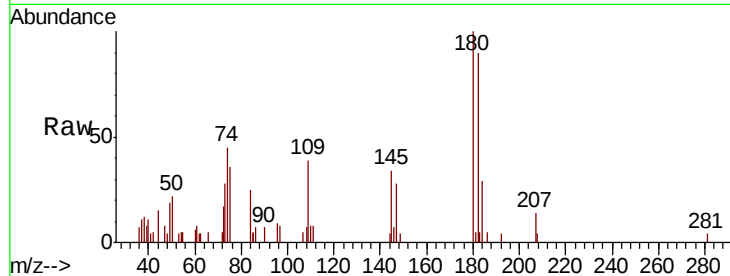
#93
 1,2,4-Trichlorobenzene
 Concen: 5.214 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.9	49.1	147.4
145	30.7	16.4	49.2

Manual Integrations
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MMDadoda
 11/1/2018 11:47:44 AM

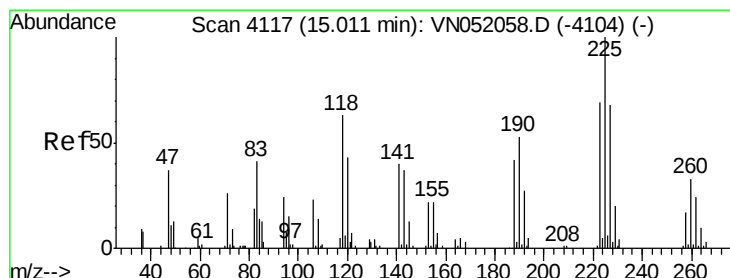
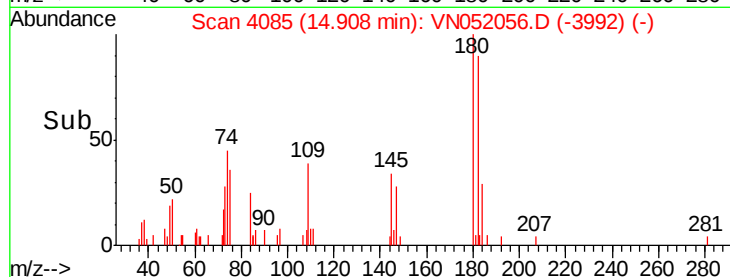
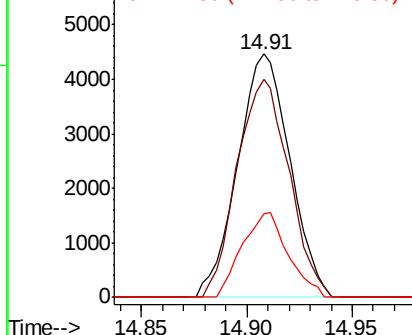


Abundance

Ion 179.80 (179.50 to 180.50): V

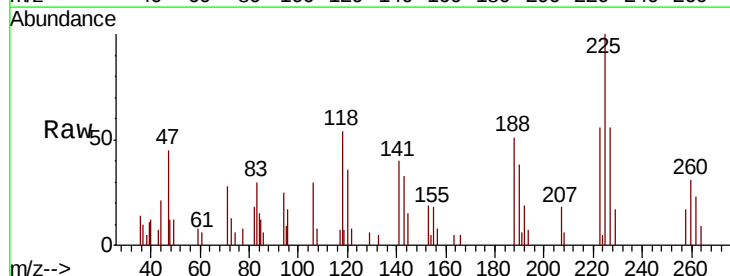
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 6.472 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052056.D
 Acq: 30 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	50.3	33.1	99.3
227	58.3	32.6	97.8

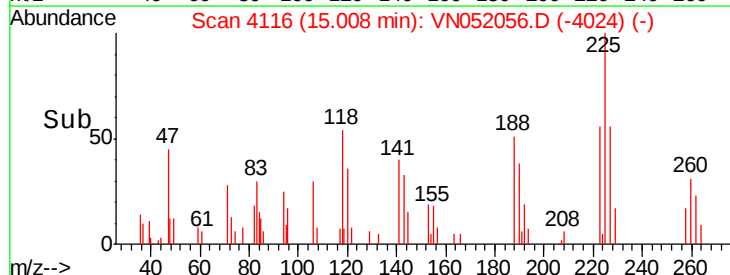
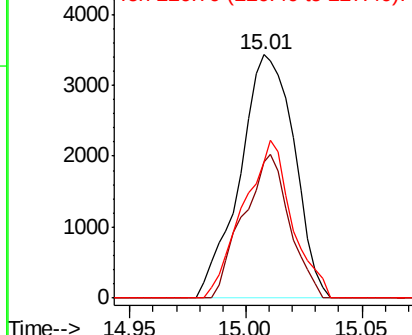


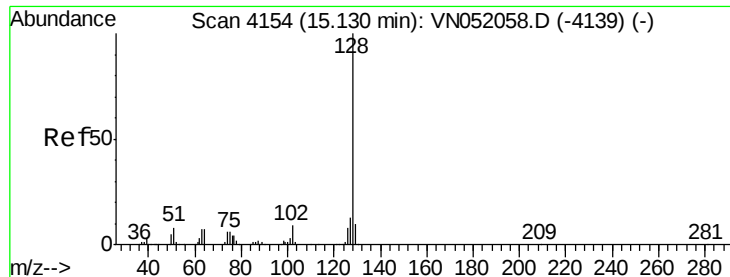
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.682 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Instrument :

MSVOA_N

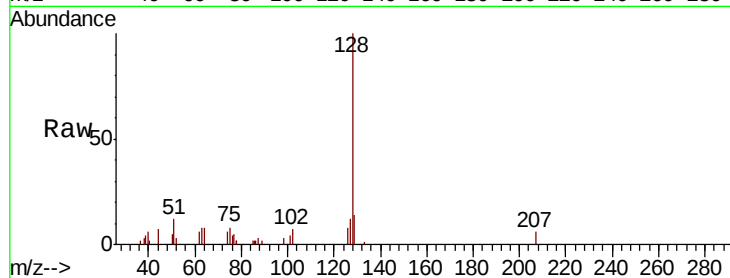
ClientSampleId :

VSTDIC005

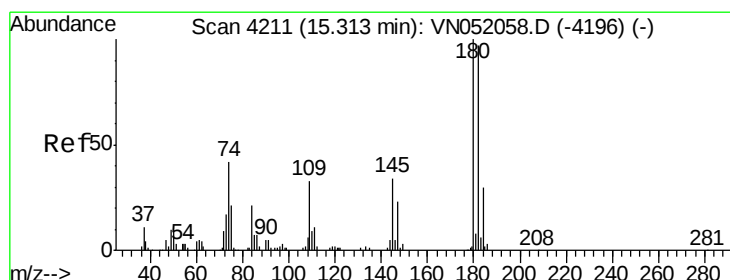
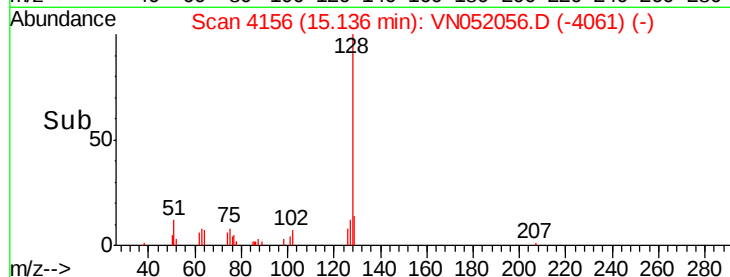
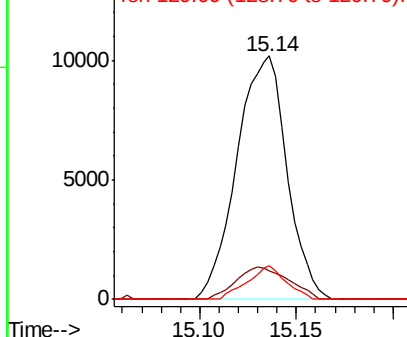
Tot Ion:	128	Resp:	18308
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.5	15.7
129	10.7	8.6	12.8

Manual Integrations
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11/1/2018 11:47:44 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.954 ug/l

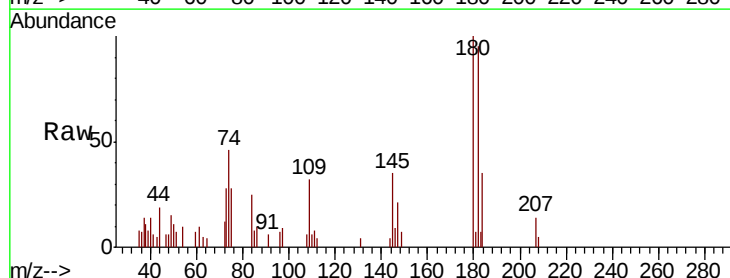
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052056.D

Acq: 30 Oct 2018 9:52

Tgt Ion:	180	Resp:	6635
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.2	141.6
145	35.4	16.6	49.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

