

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052093.D
 Acq On : 1 Nov 2018 9:42
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:09 AM

Quant Time: Nov 02 05:31:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:15:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	67507	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	394038	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	356410	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	141681	28.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.27%
60) 4-Bromofluorobenzene	12.40	95	172656	30.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.93%
63) Toluene-d8	10.09	98	492251	29.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.90%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	468576	103.927 ug/l	98
3) Chloromethane	2.06	50	507522	98.490 ug/l	98
4) Vinyl Chloride	2.19	62	491472	97.225 ug/l	96
5) Bromomethane	2.57	94	334195	96.857 ug/l	96
6) Chloroethane	2.71	64	304407	94.179 ug/l	100
7) Trichlorofluoromethane	3.02	101	653986	95.537 ug/l	97
8) Diethyl Ether	3.41	74	228643	98.924 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	389678	97.398 ug/l	97
10) 1,1-Dichloroethene	3.74	96	365104	97.799 ug/l	92
11) Methyl Iodide	3.96	142	566955	105.038 ug/l	99
12) Methyl Acetate	4.32	43	293973	90.644 ug/l	97
13) Acrolein	3.61	56	175281	520.001 ug/l	99
14) Acrylonitrile	4.99	53	678045	486.592 ug/l	100
15) Acetone	3.81	58	158466	481.161 ug/l	94
16) Carbon Disulfide	4.06	76	1115653	101.213 ug/l	100
17) Allyl chloride	4.33	41	652157	102.888 ug/l	99
18) Methylene Chloride	4.55	84	431747	93.697 ug/l	92
19) trans-1,2-Dichloroethene	5.05	96	407195	99.550 ug/l	94
20) Diisopropyl ether	5.95	45	1333131	96.734 ug/l	98
21) 1,1-Dichloroethane	5.85	63	761851	94.647 ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	468554	98.097 ug/l	99
23) tert-Butyl Alcohol	4.78	59	111186m	505.741 ug/l	
24) Methyl tert-Butyl Ether	5.05	73	1032614	97.568 ug/l	97
25) Chloroform	7.37	83	778875	96.366 ug/l	94
26) Cyclohexane	7.66	56	708803	98.230 ug/l #	98
29) 1,1-Dichloropropene	7.80	75	600191	95.940 ug/l	97
30) 2-Butanone	6.83	43	793363	476.207 ug/l #	77
31) 2,2-Dichloropropane	6.83	77	627028	97.250 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	690007	98.578 ug/l	97
33) Carbon Tetrachloride	7.78	117	615762	98.917 ug/l	97
34) Benzene	8.04	78	1760571	96.113 ug/l #	91
35) Methacrylonitrile	7.19	41	254532m	75.504 ug/l	
36) 1,2-Dichloroethane	8.12	62	571901	93.379 ug/l	100
37) Trichloroethene	8.84	130	461580	100.679 ug/l	88
38) Methylcyclohexane	9.08	83	750062	98.286 ug/l	97
39) 1,2-Dichloropropane	9.12	63	461774	94.703 ug/l	94
40) Dibromomethane	9.21	93	287108	95.526 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	606568	98.637	ug/l	98
42) Vinyl Acetate	5.90	43	4823119	494.518	ug/l	99
43) Ethyl Acetate	6.83	43	793363	68.414	ug/l #	87
44) Isopropyl Acetate	8.17	43	669979	96.649	ug/l #	82
45) 1,4-Dioxane	9.20	88	62377	1972.508	ug/l #	79
46) Methyl methacrylate	9.20	41	332272	96.294	ug/l	99
47) n-amyl Acetate	12.07	43	633486	100.737	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	627370	102.740	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	715004	101.447	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	386618	97.278	ug/l	97
51) Ethyl methacrylate	10.43	69	517836	100.815	ug/l	99
52) 1,3-Dichloropropane	10.71	76	671328	96.973	ug/l	99
53) Dibromochloromethane	10.90	129	454008	105.814	ug/l	99
54) 1,2-Dibromoethane	11.01	107	404252	100.305	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	1375910	489.175	ug/l	99
56) Bromoform	12.13	173	266448	107.520	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	1823927	477.578	ug/l	99
59) 2-Hexanone	10.75	43	1261472	479.721	ug/l	98
61) Tetrachloroethene	10.63	164	388525	100.234	ug/l	95
62) Toluene	10.16	91	1969327	98.430	ug/l	98
64) Chlorobenzene	11.43	112	1265951	99.836	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	435131	100.822	ug/l	98
66) Ethyl Benzene	11.51	91	2163395	100.104	ug/l	100
67) m/p-Xylenes	11.62	106	1668819	200.571	ug/l	97
68) o-Xylene	11.95	106	807957	101.852	ug/l	95
69) Styrene	11.96	104	1305720	102.146	ug/l	98
70) Isopropylbenzene	12.25	105	2143214	100.644	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	446948	95.421	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	410401m	105.371	ug/l	
73) Bromobenzene	12.53	156	492761	104.429	ug/l	90
74) n-propylbenzene	12.59	91	2476976	99.885	ug/l	98
75) 2-Chlorotoluene	12.68	91	1408220	98.499	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	1712801	100.307	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	144514	112.148	ug/l	87
78) 4-Chlorotoluene	12.77	91	1453359	100.947	ug/l	98
79) tert-butylbenzene	12.99	119	1489023	100.105	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	1730275	101.714	ug/l	99
81) sec-Butylbenzene	13.17	105	2078043	101.515	ug/l	99
82) p-Isopropyltoluene	13.29	119	1781132	102.959	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	861607	103.231	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	863004	104.448	ug/l	97
85) n-Butylbenzene	13.62	91	1548266	103.406	ug/l	99
86) Hexachloroethane	13.88	117	313674	107.448	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	815511	102.840	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	64054	100.009	ug/l #	88
89) 1,2,4-Trichlorobenzene	14.91	180	351807	109.291	ug/l	97
90) Hexachlorobutadiene	15.01	225	176864	100.427	ug/l	97
91) Naphthalene	15.13	128	820773	110.623	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	299449	106.737	ug/l	98

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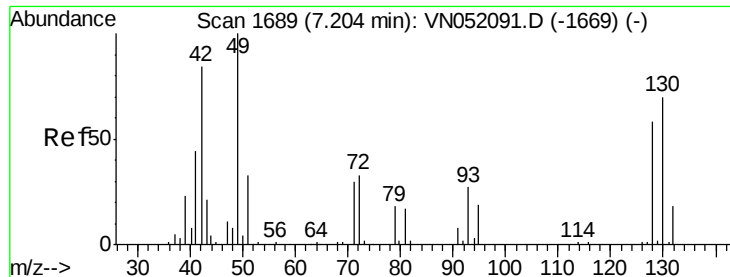
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



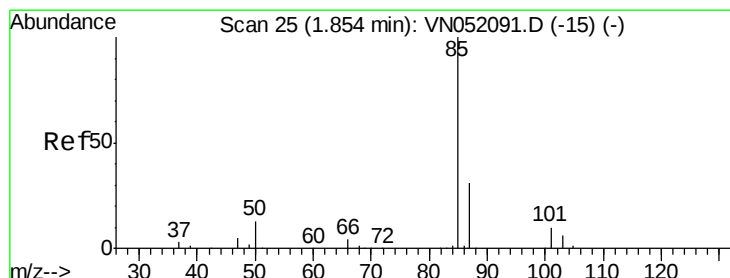
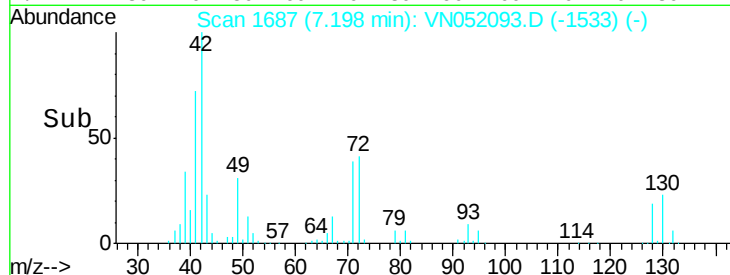
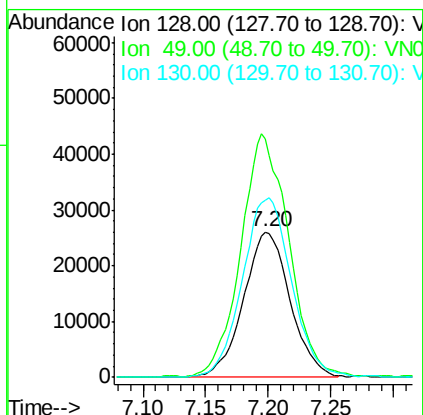
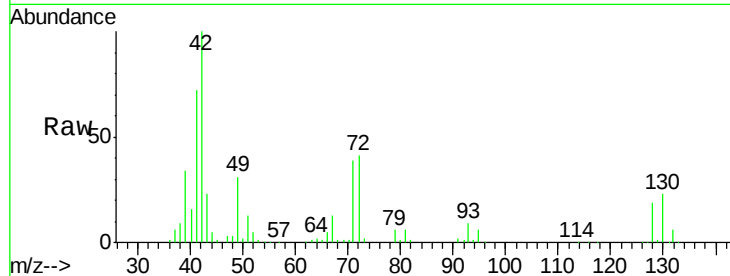
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
128	100		
49	172.0	0.0	453.7
130	130.0	0.0	308.8

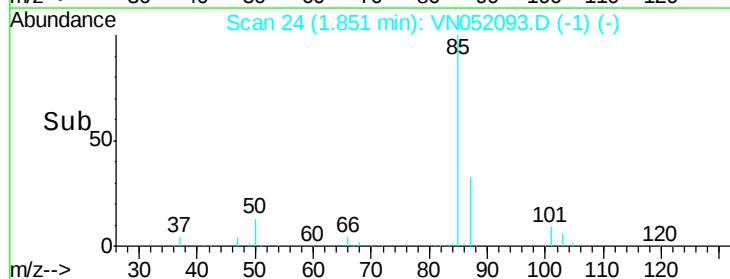
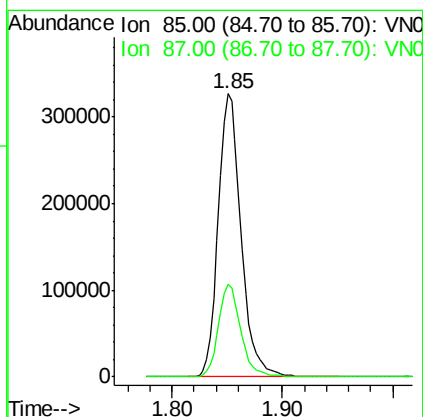
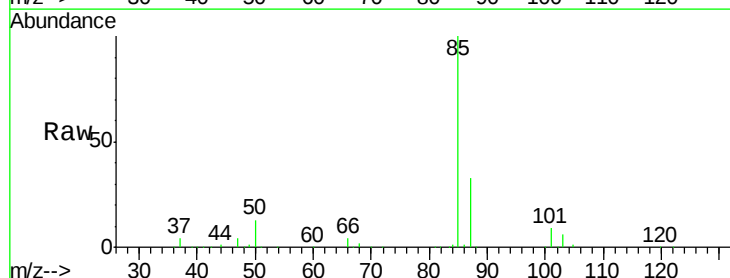
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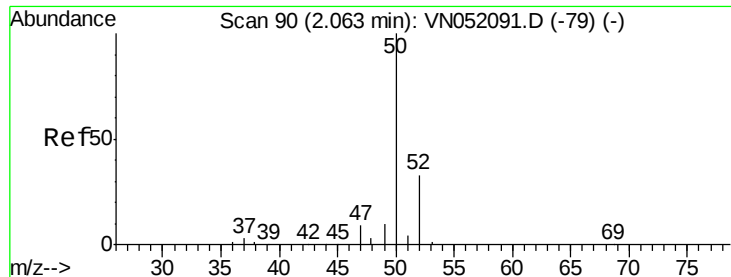
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#2
Dichlorodifluoromethane
Concen: 103.927 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.7	47.1





#3

Chloromethane

Concen: 98.490 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 507522

Ion Ratio Lower Upper

50 100

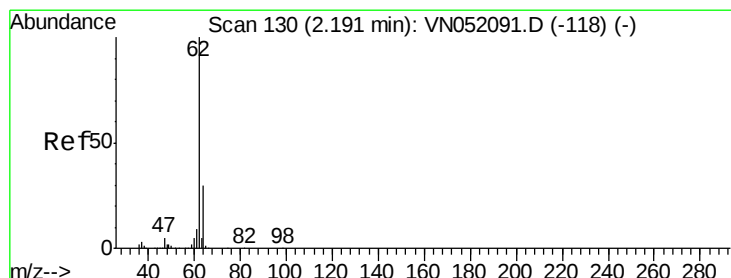
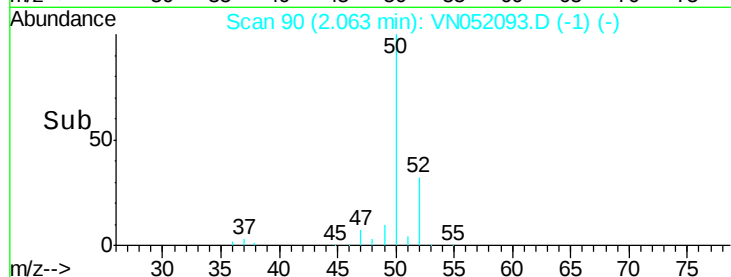
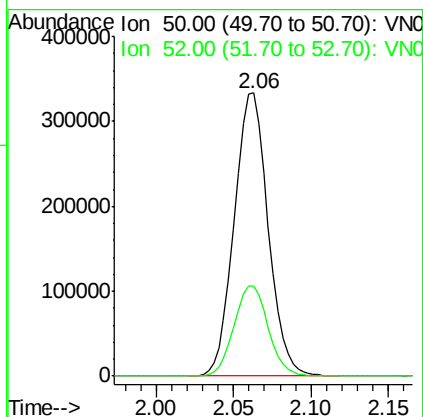
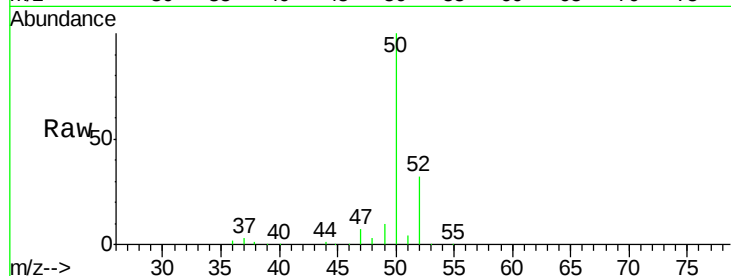
52 31.8 26.5 39.7

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#4

Vinyl Chloride

Concen: 97.225 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052093.D

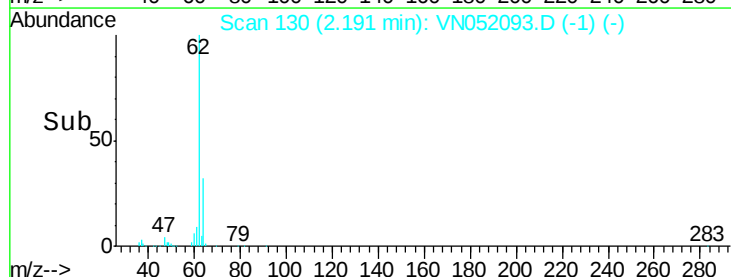
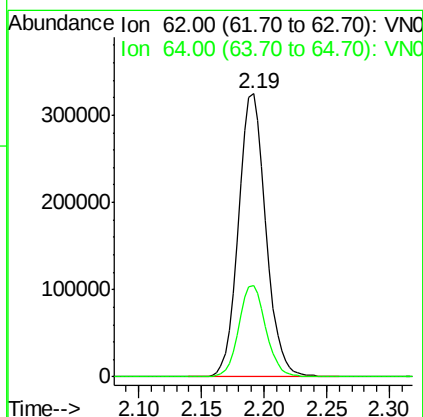
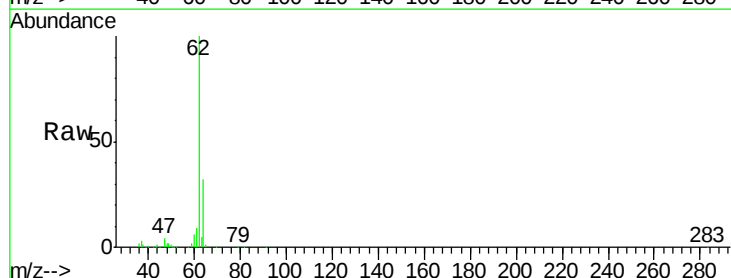
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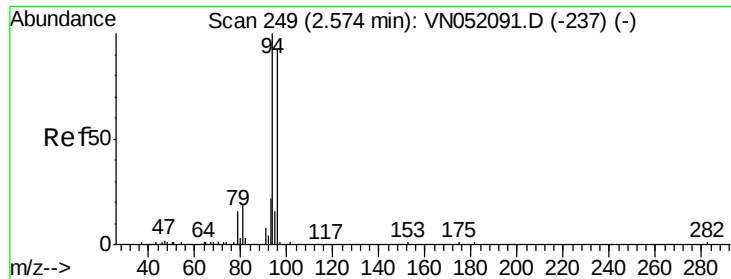
Tgt Ion: 62 Resp: 491472

Ion Ratio Lower Upper

62 100

64 32.4 24.2 36.4





#5

Bromomethane

Concen: 96.857 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 334195

Ion Ratio Lower Upper

94 100

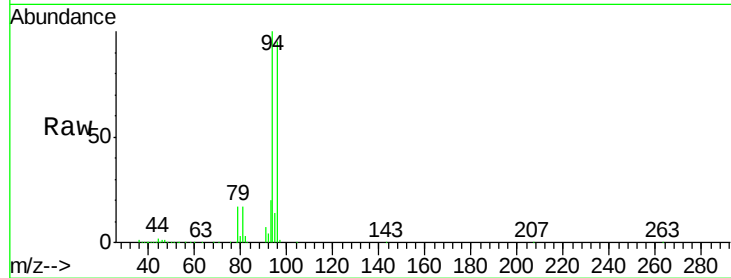
96 95.2 73.4 110.0

Manual Integrations

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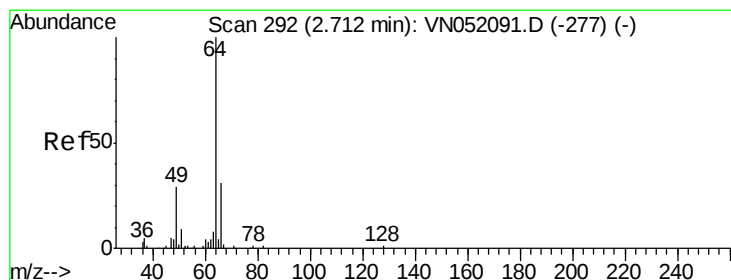
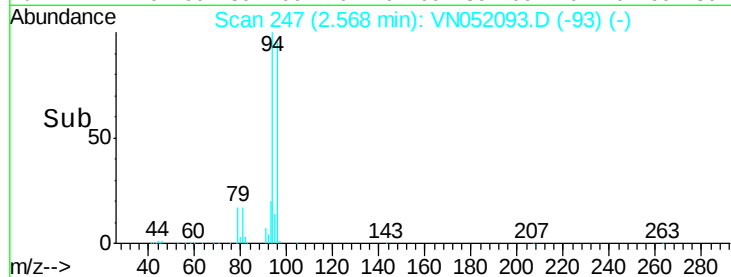
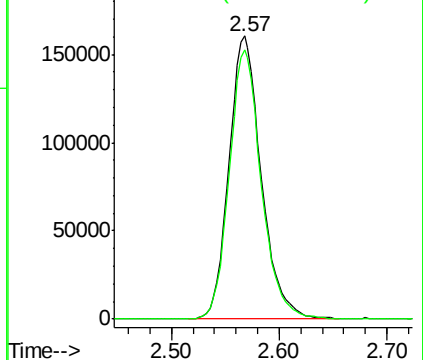
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 94.179 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052093.D

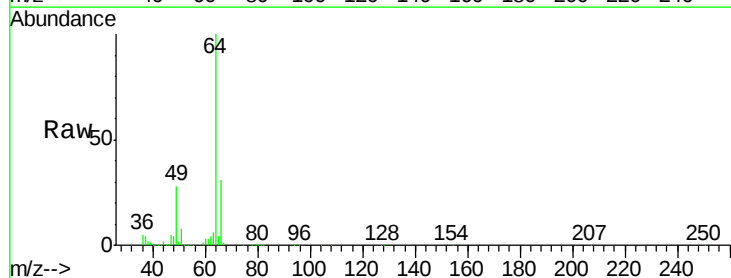
Acq: 1 Nov 2018 9:42

Tgt Ion: 64 Resp: 304407

Ion Ratio Lower Upper

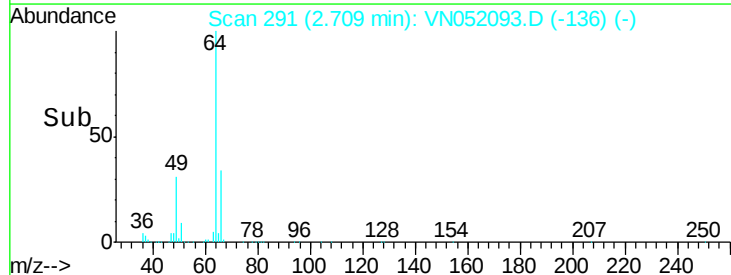
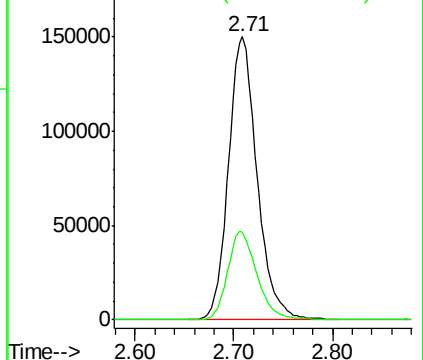
64 100

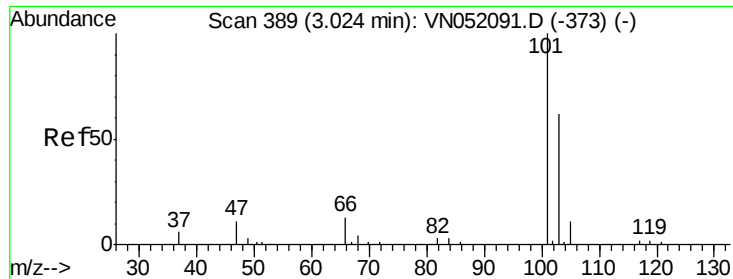
66 30.6 24.7 37.1



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

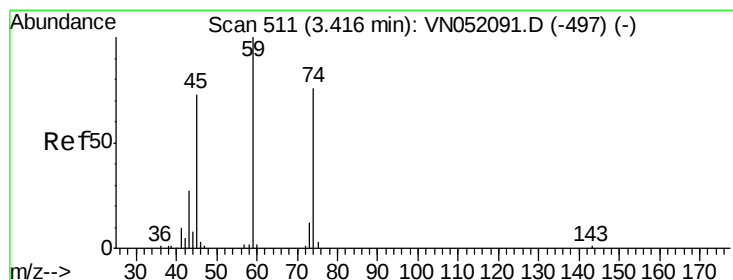
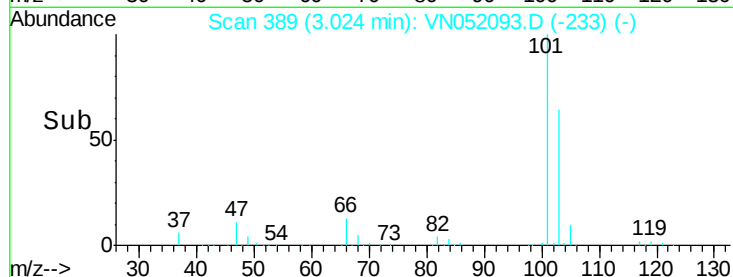
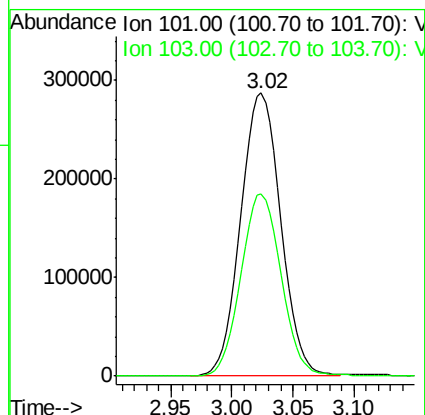
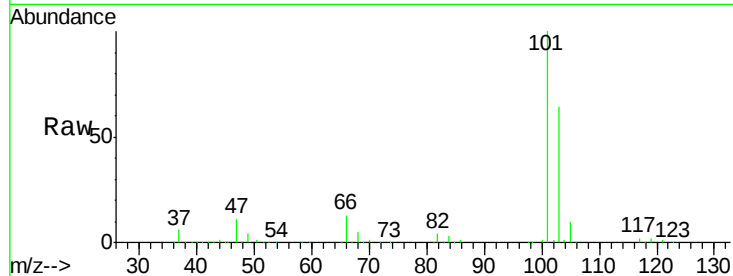
Trichlorofluoromethane
Concen: 95.537 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.3	49.5	74.3

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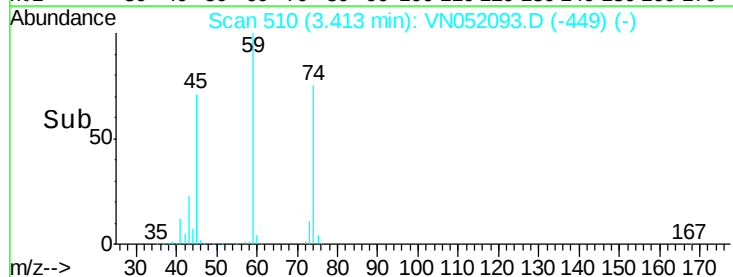
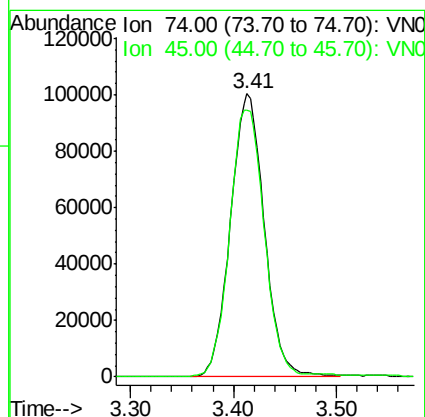
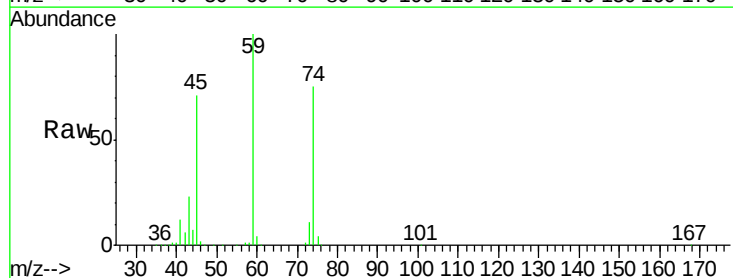
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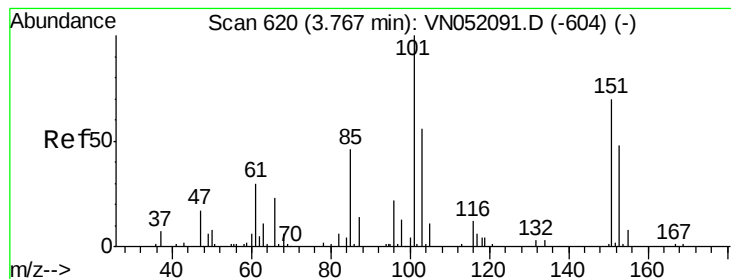


#8

Diethyl Ether
Concen: 98.924 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	19.4	174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 97.398 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

Instrument :

MSVOA_N

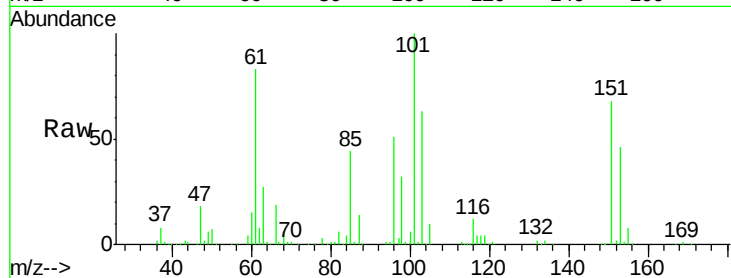
ClientSampleId :

VSTDIC100

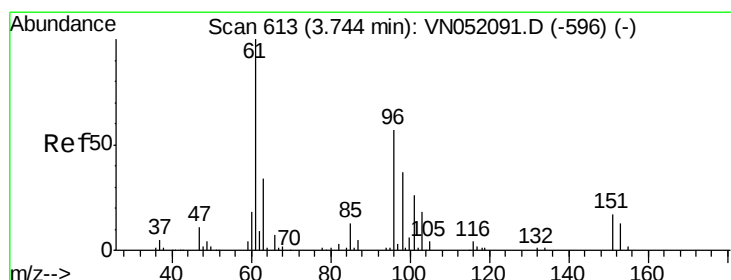
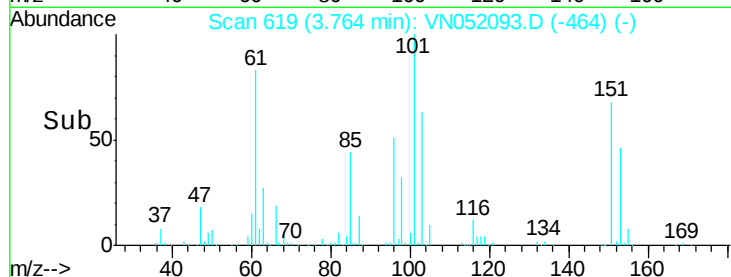
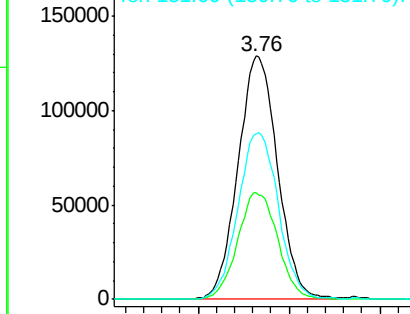
Tgt Ion:	101	Resp:	389678
Ion Ratio	Lower	Upper	
101	100		
85	44.6	0.0	98.0
151	69.8	0.0	139.6

Manual Integrations
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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 97.799 ug/l

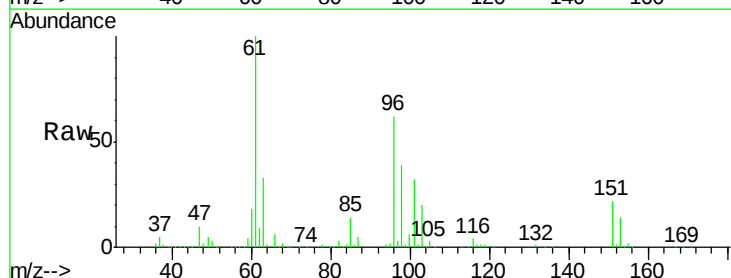
RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

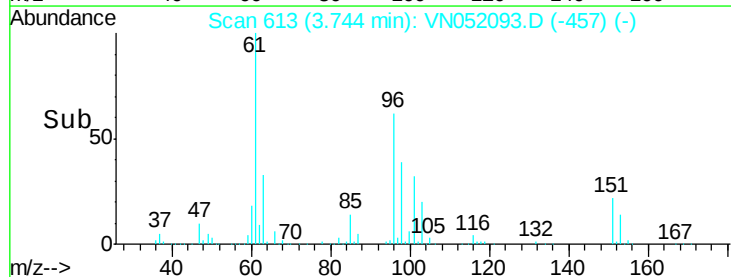
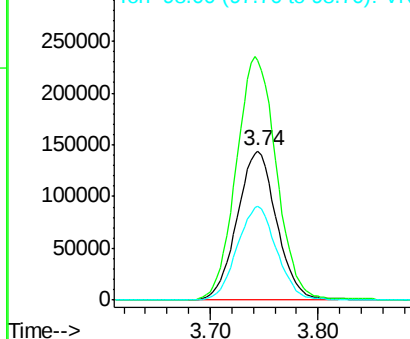
Lab File: VN052093.D

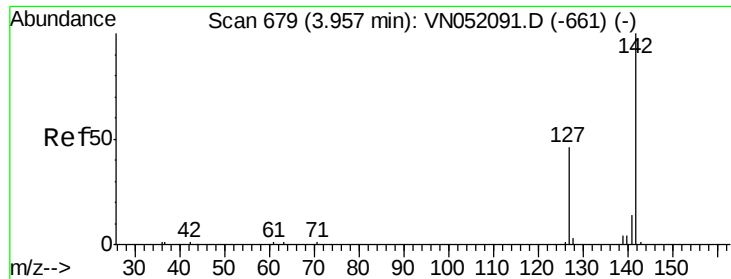
Acq: 1 Nov 2018 9:42

Tgt Ion:	96	Resp:	365104
Ion Ratio	Lower	Upper	
96	100		
61	161.1	140.3	210.5
98	63.2	52.0	78.0



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





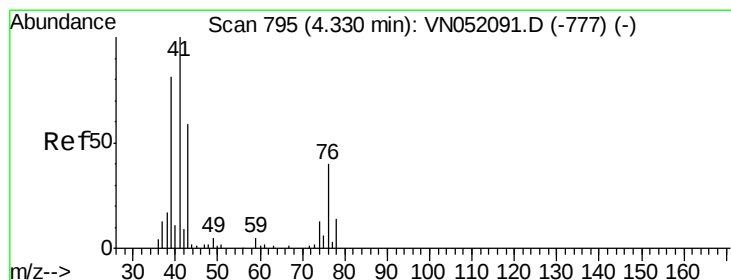
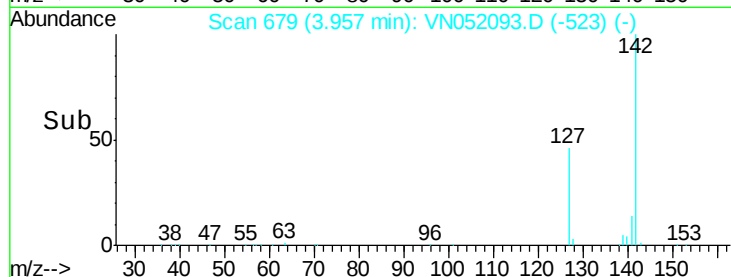
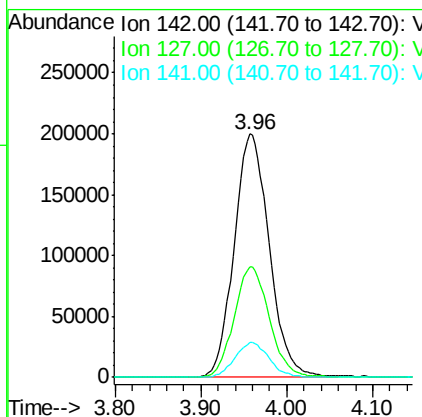
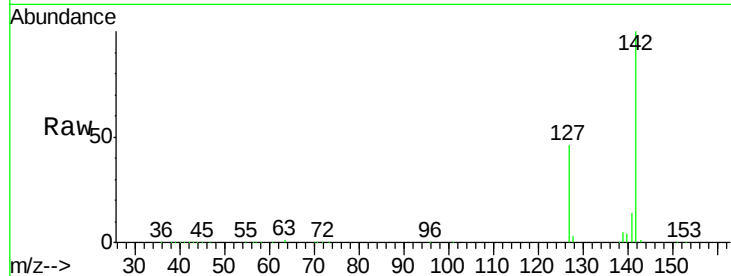
#11
Methyl Iodide
Concen: 105.038 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.5	23.1	69.2
141	14.4	7.0	20.9

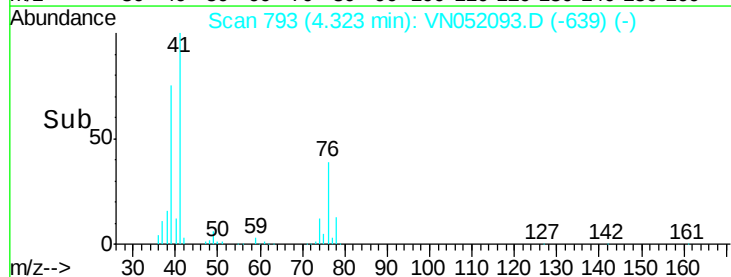
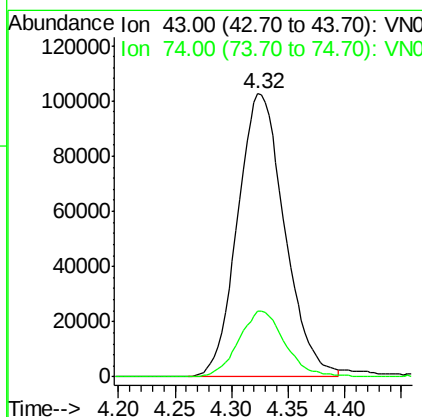
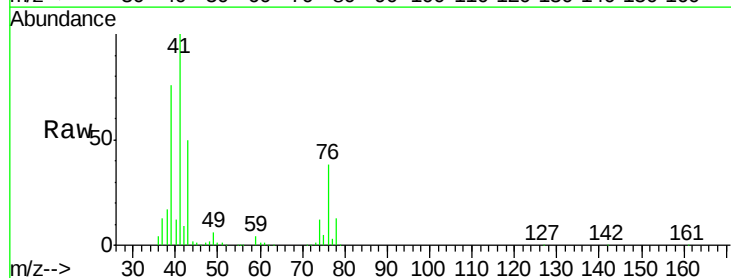
Manual Integrations
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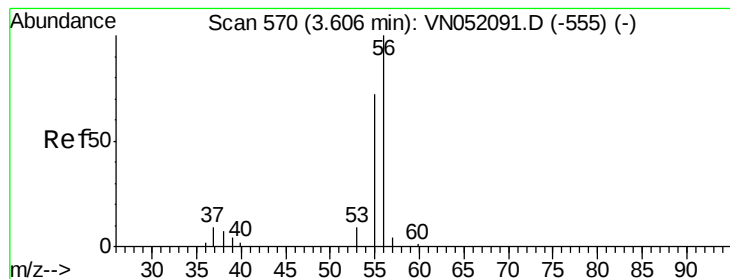
MMDadoda
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#12
Methyl Acetate
Concen: 90.644 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	17.4	26.2





#13

Acrolein

Concen: 520.001 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 175281

Ion Ratio Lower Upper

56 100

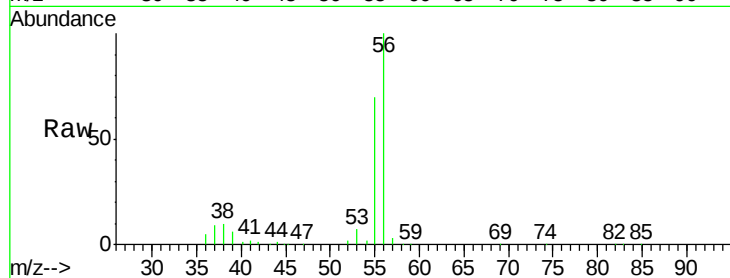
55 69.7 56.2 84.2

Manual Integrations

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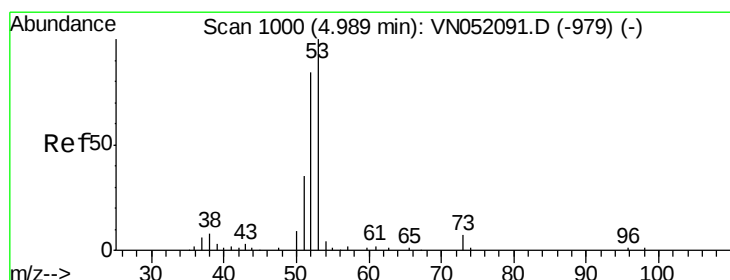
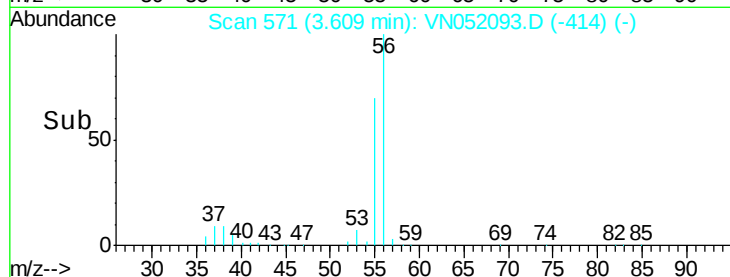


Abundance Ion 56.00 (55.70 to 56.70): VN052093.D (-555) (-)

Ion 55.00 (54.70 to 55.70): VN052093.D (-555) (-)

3.61

Time-->



#14

Acrylonitrile

Concen: 486.592 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

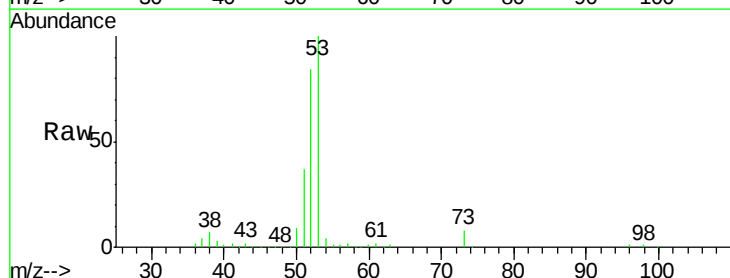
Tgt Ion: 53 Resp: 678045

Ion Ratio Lower Upper

53 100

52 82.2 41.3 124.1

51 37.0 18.6 55.6



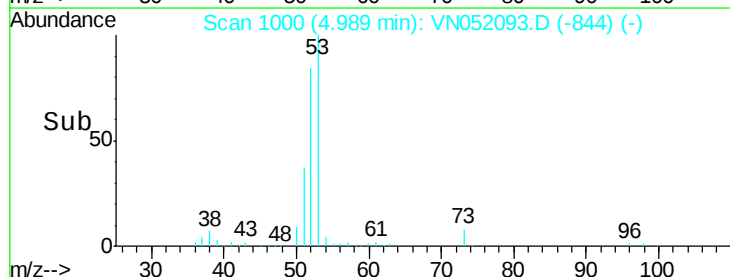
Abundance Ion 53.00 (52.70 to 53.70): VN052093.D (-844) (-)

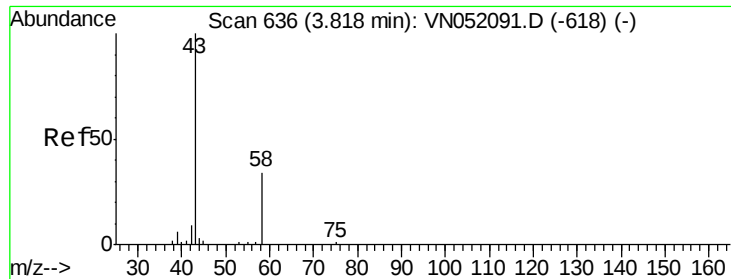
Ion 52.00 (51.70 to 52.70): VN052093.D (-844) (-)

Ion 51.00 (50.70 to 51.70): VN052093.D (-844) (-)

4.99

Time-->





#15

Acetone

Concen: 481.161 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 58 Resp: 158466

Ion Ratio Lower Upper

58 100

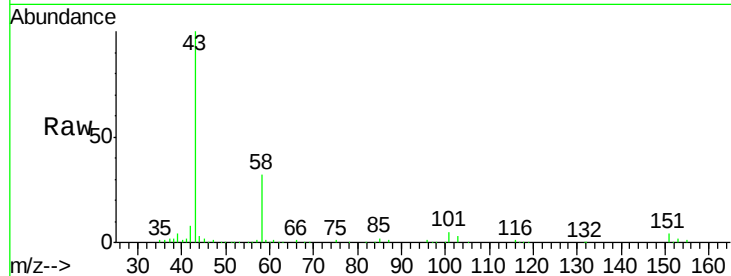
43 304.9 234.7 352.1

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Abundance Ion 58.00 (57.70 to 58.70): VN052093.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN052093.D (-618) (-)

200000

150000

100000

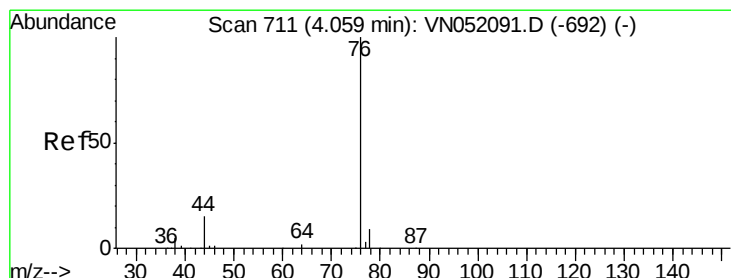
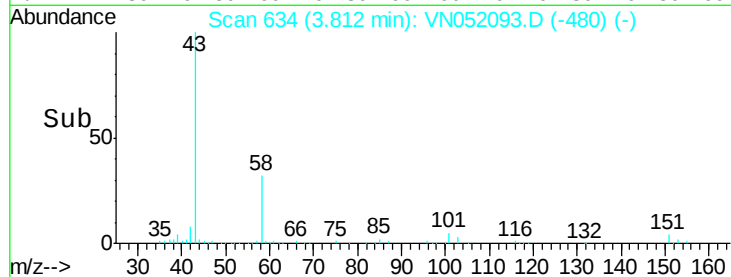
50000

0

3.70 3.80 3.90

3.81

Time-->



#16

Carbon Disulfide

Concen: 101.213 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052093.D

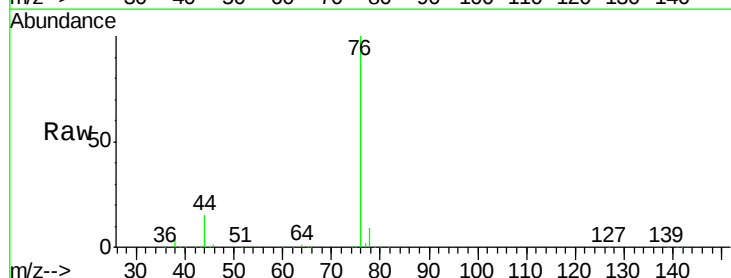
Acq: 1 Nov 2018 9:42

Tgt Ion: 76 Resp: 1115653

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN052093.D (-692) (-)

Ion 78.00 (77.70 to 78.70): VN052093.D (-692) (-)

500000

400000

300000

200000

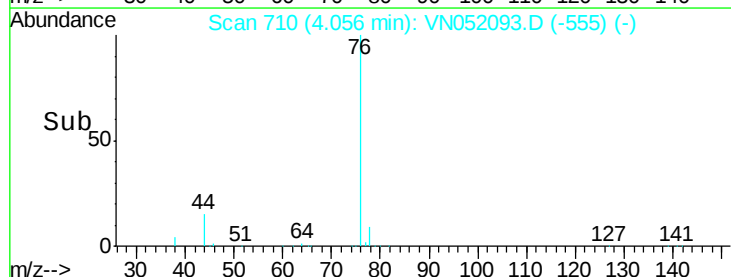
100000

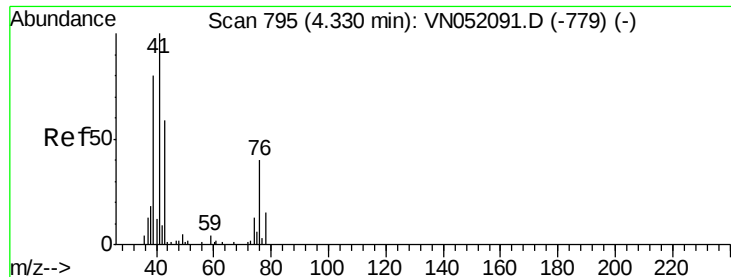
0

4.00 4.10 4.20

4.06

Time-->





#17

Allyl chloride

Concen: 102.888 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 652157
Ion Ratio Lower Upper

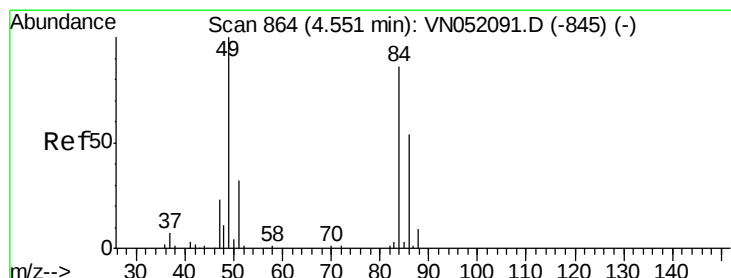
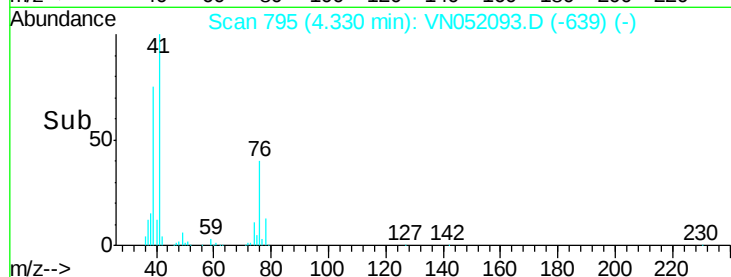
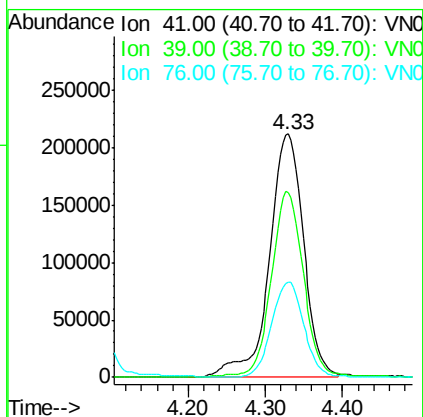
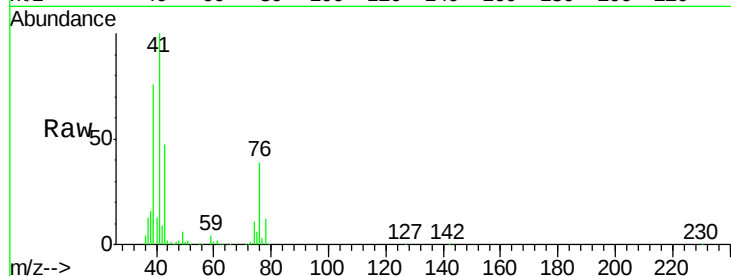
41 100

39 76.0 38.4 115.1

76 38.7 18.8 56.3

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#18

Methylene Chloride

Concen: 93.697 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

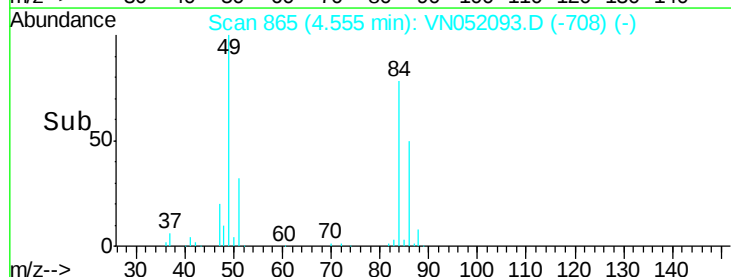
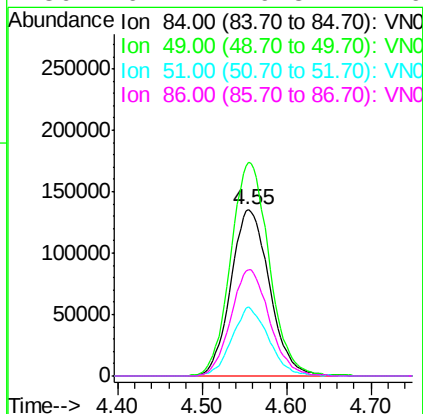
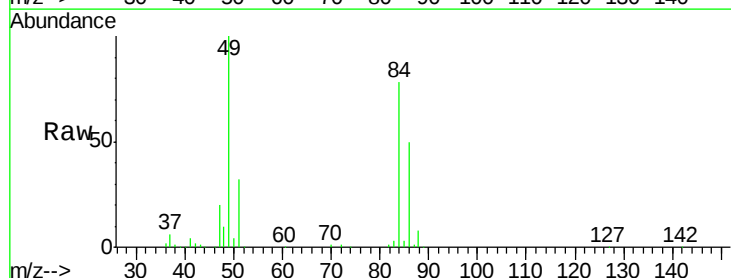
Tgt Ion: 84 Resp: 431747
Ion Ratio Lower Upper

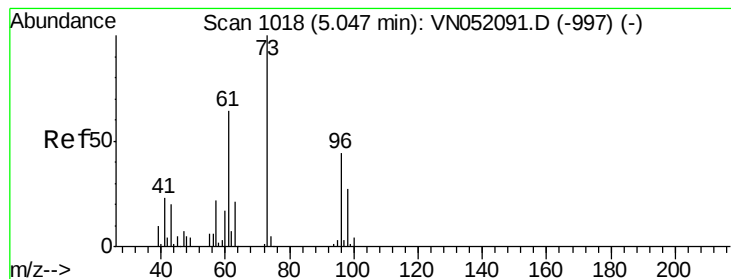
84 100

49 128.1 92.6 138.8

51 41.1 29.7 44.5

86 64.2 49.8 74.6





#19

trans-1,2-Dichloroethene

Concen: 99.550 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 407195

Ion Ratio Lower Upper

96 100

61 136.7 117.8 176.6

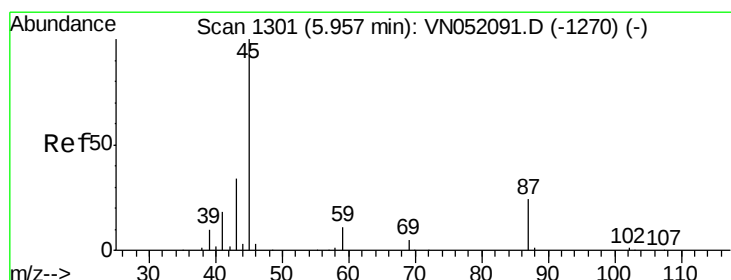
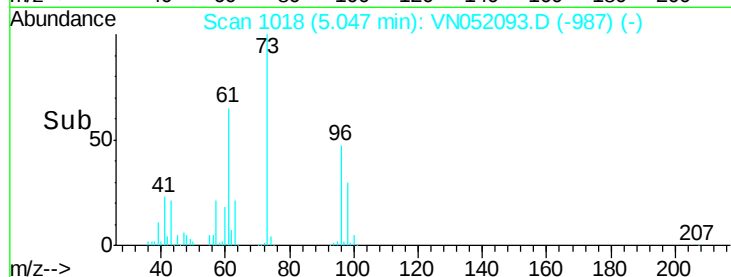
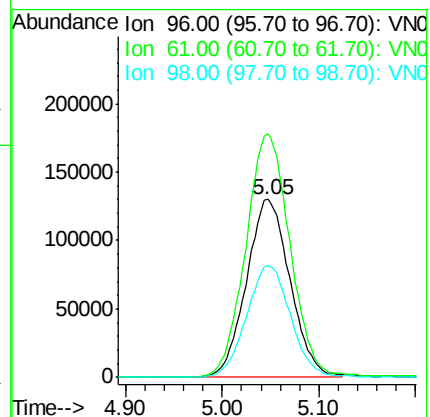
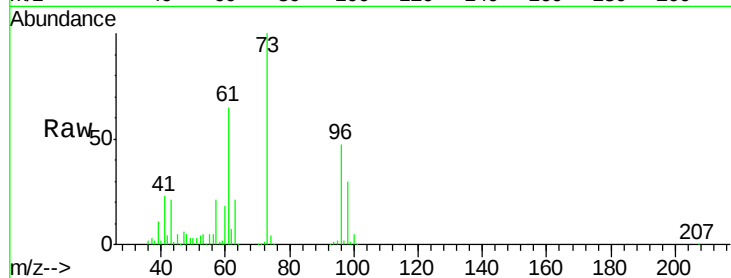
98 62.6 49.3 73.9

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#20

Diisopropyl ether

Concen: 96.734 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

Tgt Ion: 45 Resp: 1333131

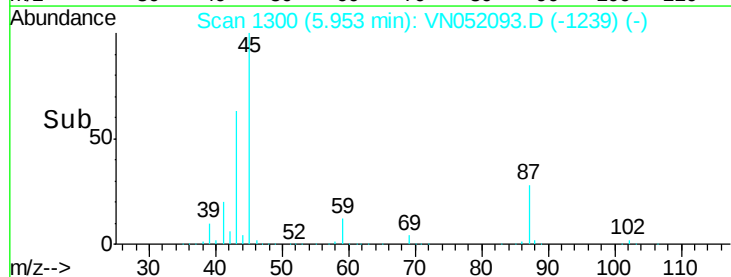
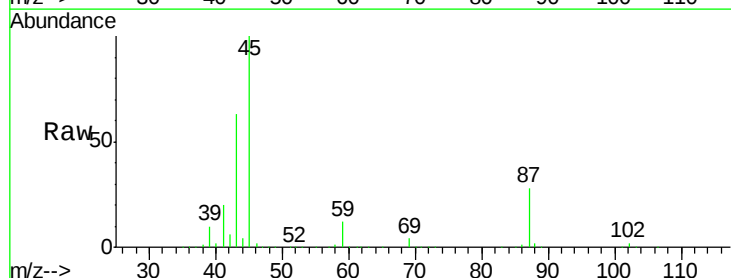
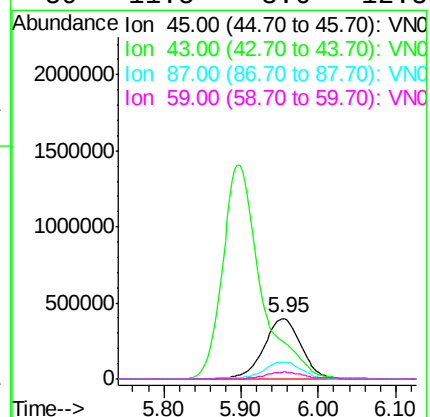
Ion Ratio Lower Upper

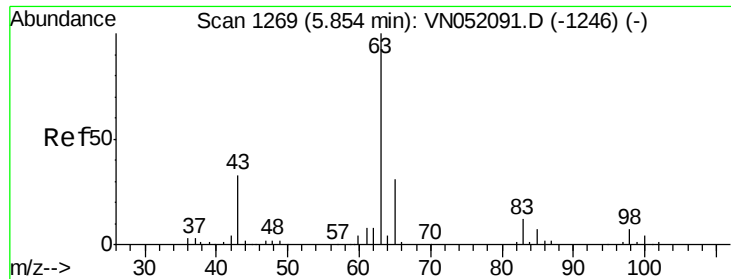
45 100

43 61.2 49.4 74.0

87 28.1 20.3 30.5

59 11.5 8.6 12.8





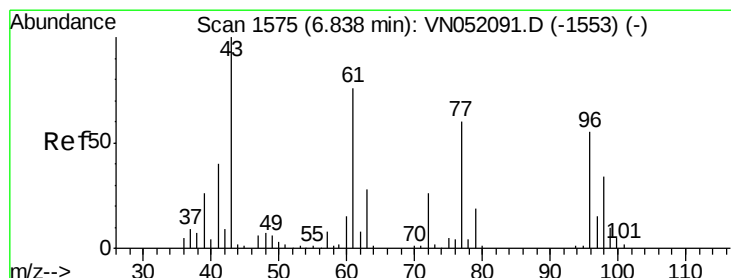
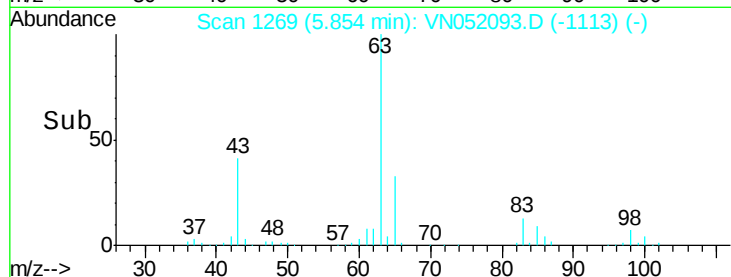
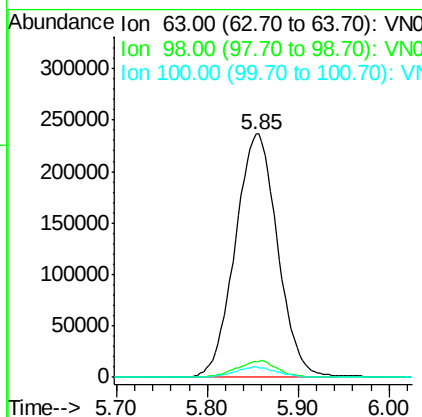
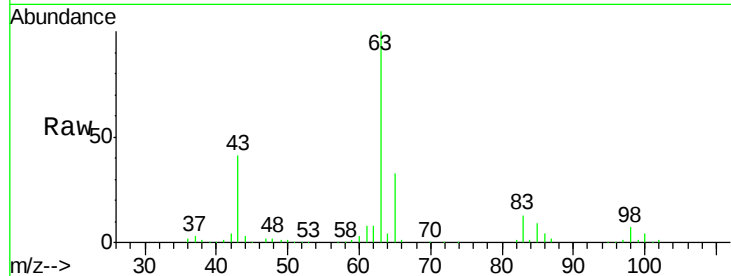
#21
 1,1-Dichloroethane
 Concen: 94.647 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.1	2.0	5.8

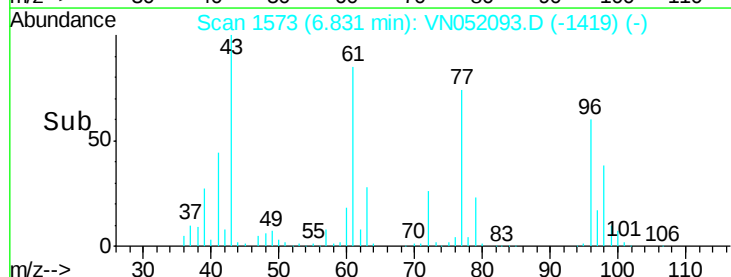
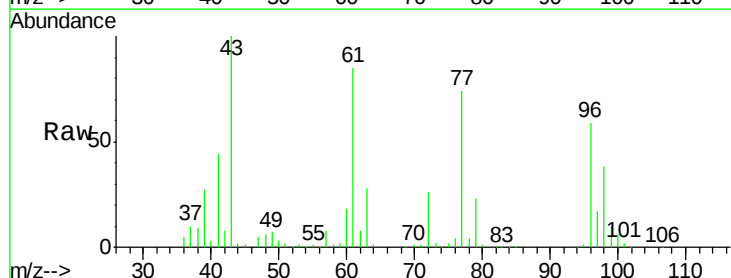
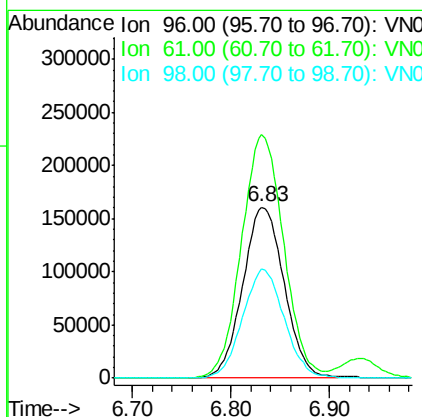
Manual Integrations
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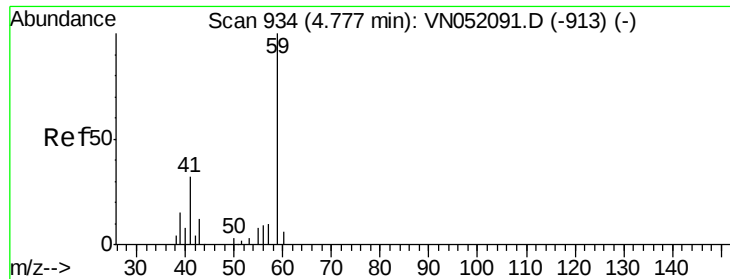
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 98.097 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.6	117.6	176.4
98	63.9	51.0	76.4





#23

tert-Butyl Alcohol

Concen: 505.741 ug/l m

RT: 4.78 min Scan# 936

Delta R.T. 0.01 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 111186

Ion Ratio Lower Upper

59 100

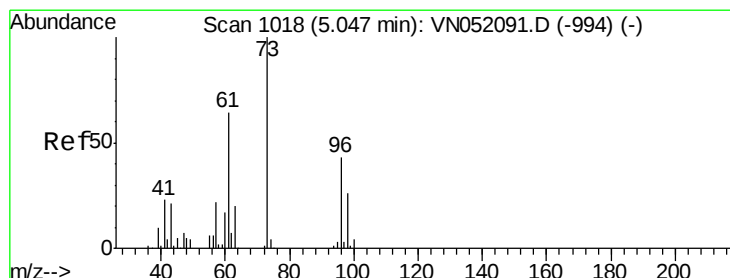
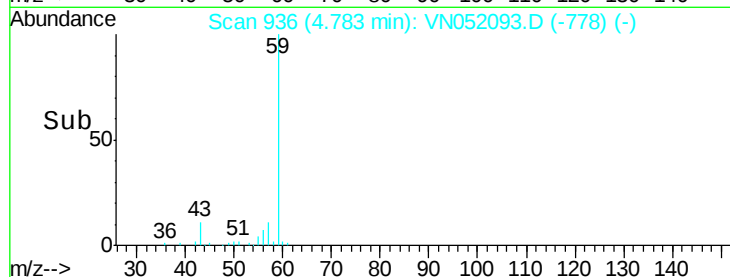
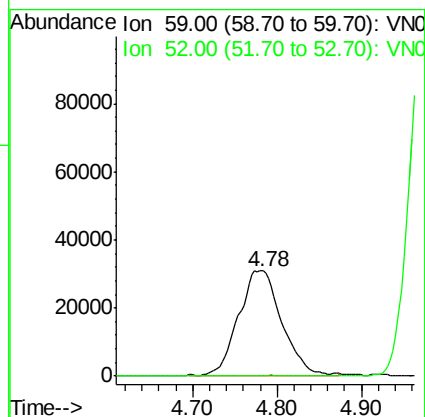
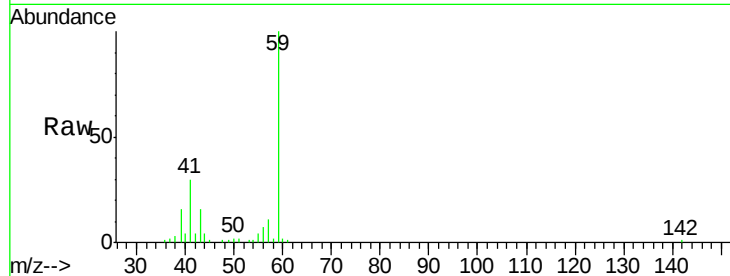
52 0.2 0.3 0.5#

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#24

Methyl tert-Butyl Ether

Concen: 97.568 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052093.D

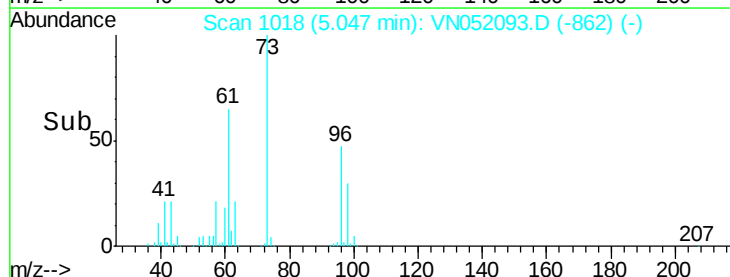
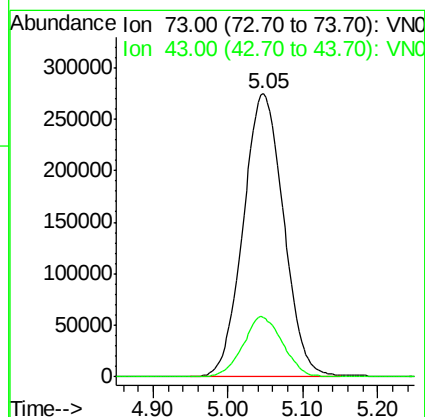
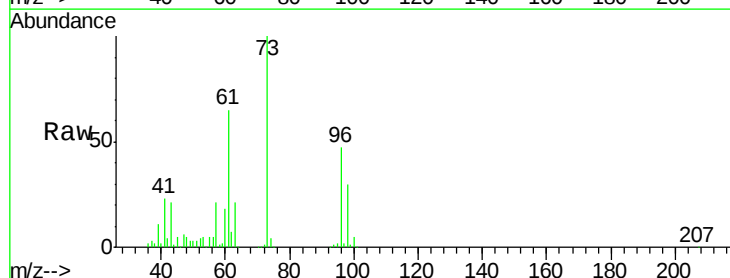
Acq: 1 Nov 2018 9:42

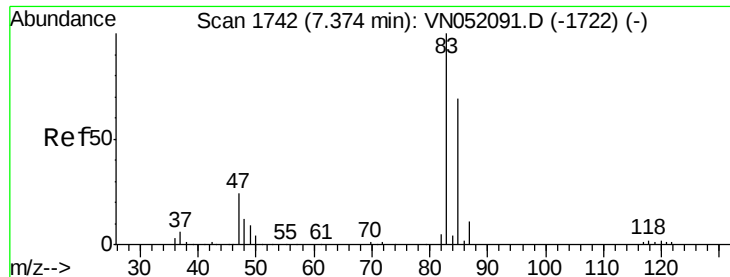
Tgt Ion: 73 Resp: 1032614

Ion Ratio Lower Upper

73 100

43 20.5 17.4 26.2





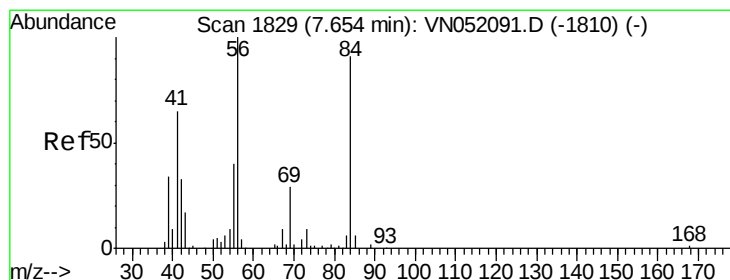
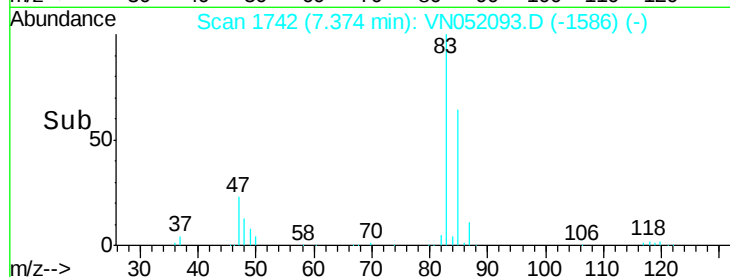
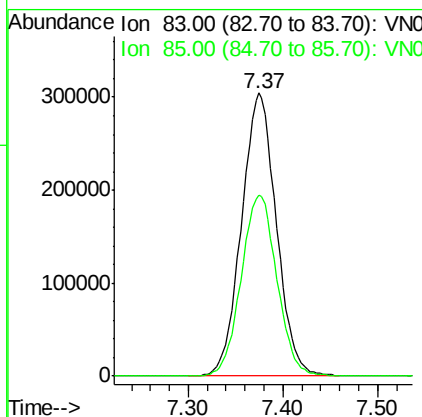
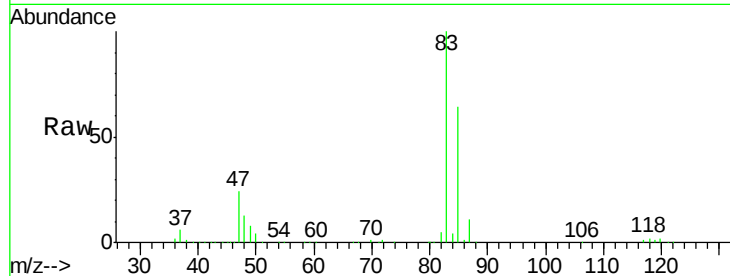
#25
Chloroform
Concen: 96.366 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	54.9	82.3

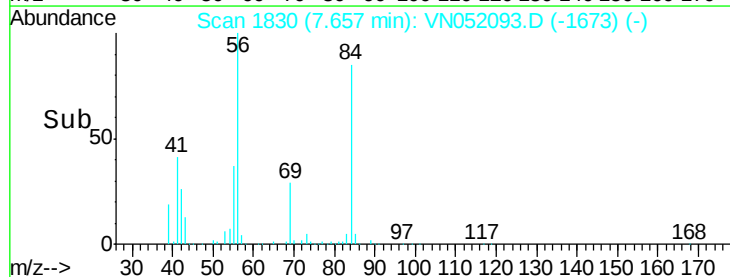
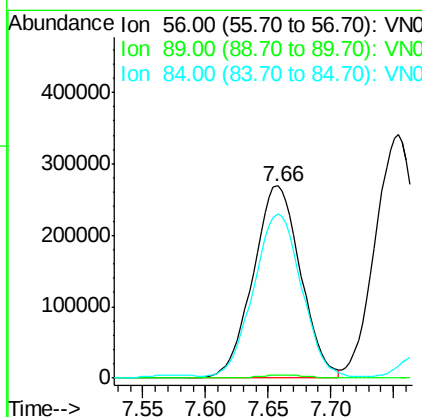
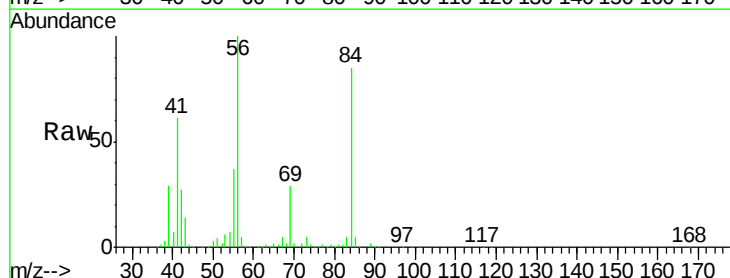
Manual Integrations
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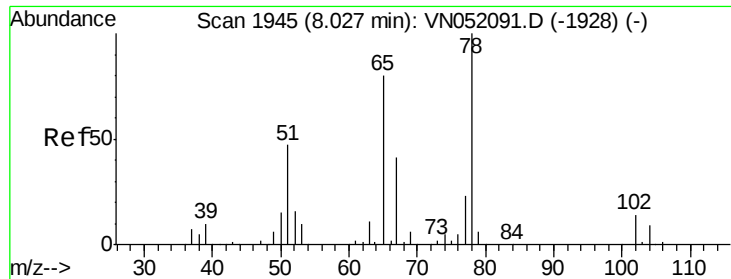
MMDadoda
11/2/2018 9:21:09 AM



#26
Cyclohexane
Concen: 98.230 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Lower	Upper
56	100		
89	1.6	2.2	3.2#
84	87.2	71.0	106.6





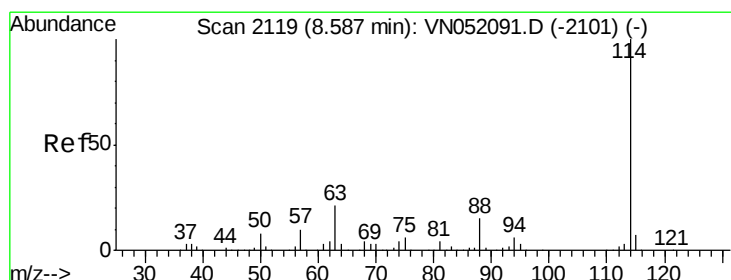
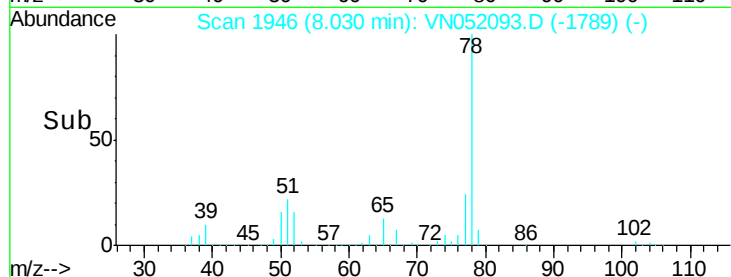
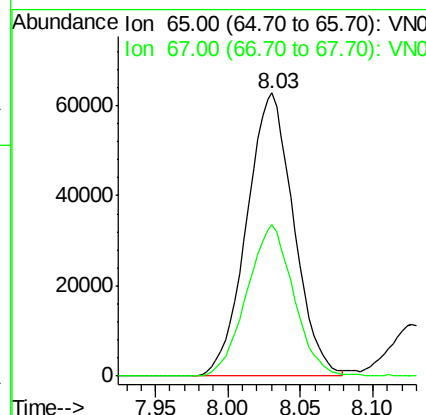
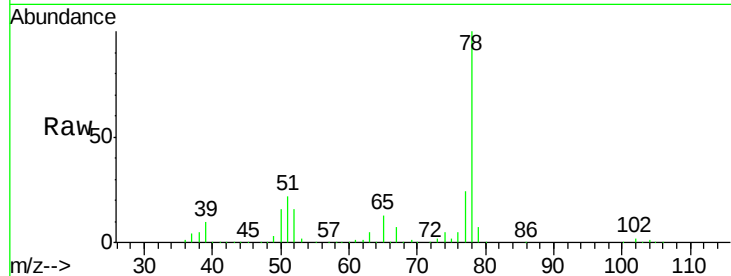
#27
 1,2-Dichloroethane-d4
 Concen: 98.230 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 65 Resp: 141681
 Ion Ratio Lower Upper
 65 100
 67 52.8 42.6 64.0

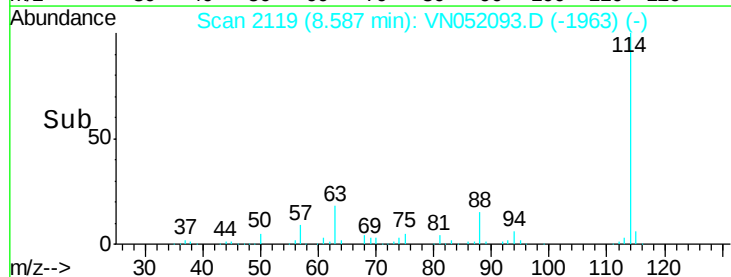
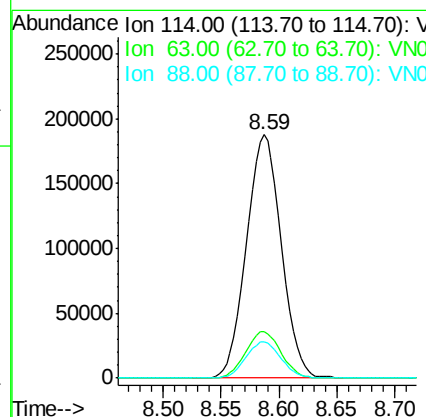
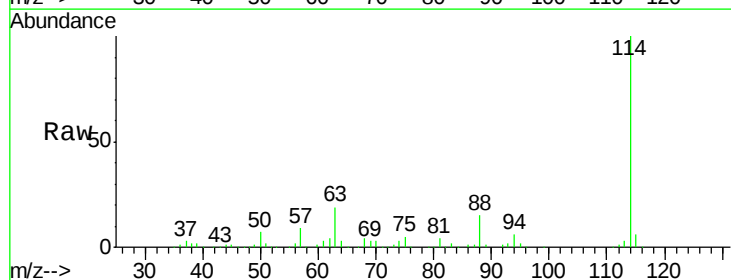
Manual Integrations
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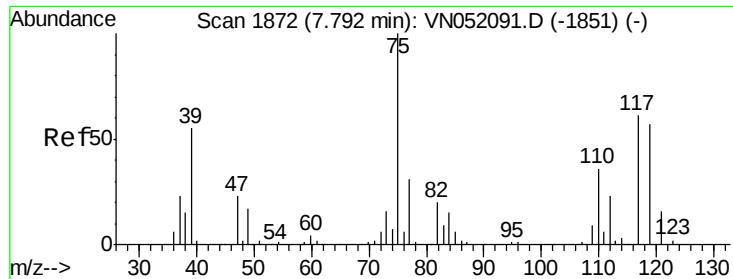
MMDadoda
 11/2/2018 9:21:09 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Tgt Ion: 114 Resp: 394038
 Ion Ratio Lower Upper
 114 100
 63 19.2 17.5 26.3
 88 15.0 12.6 18.8





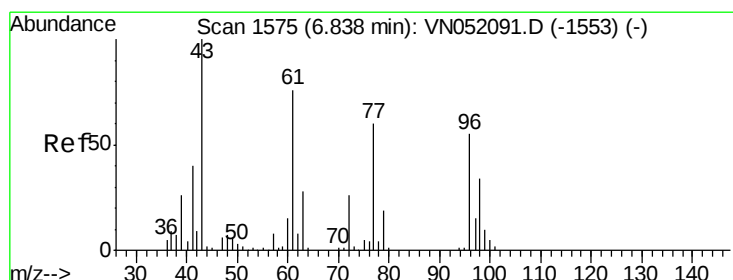
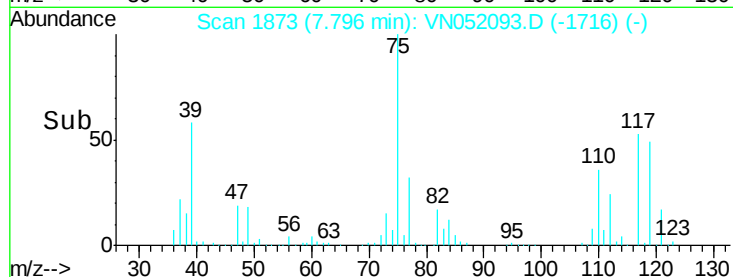
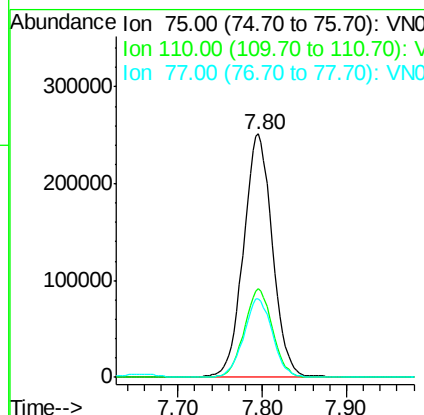
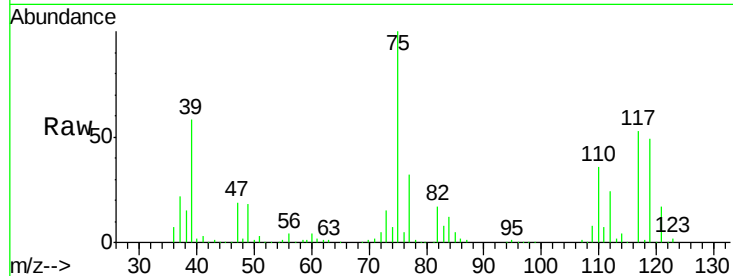
#29
 1,1-Dichloropropene
 Concen: 95.940 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	35.5	0.0	67.6
77	32.2	0.0	60.2

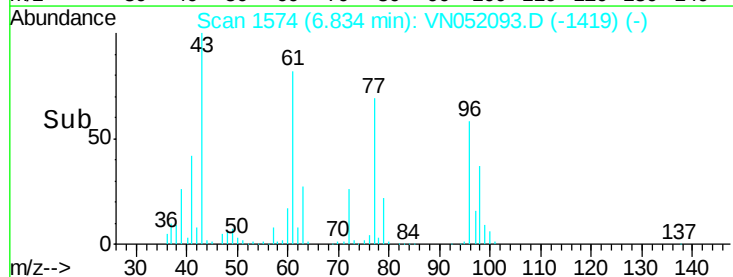
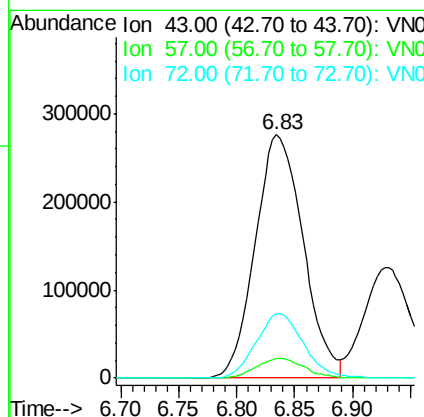
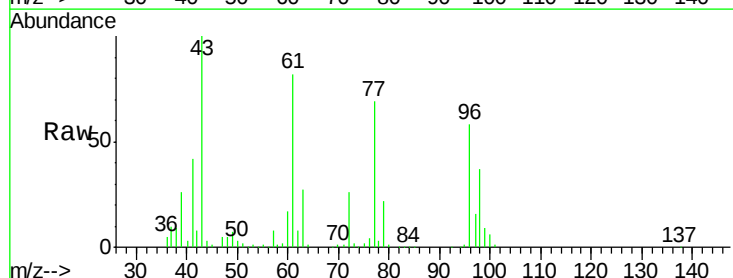
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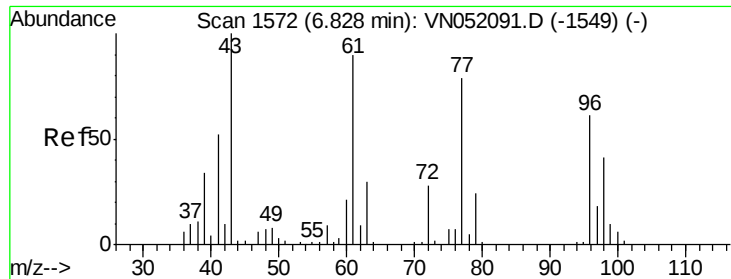
MMDadoda
 11/2/2018 9:21:09 AM



#30
 2-Butanone
 Concen: 476.207 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	8.1	6.6	9.8
72	26.4	9.2	13.8#





#31

2,2-Dichloropropane

Concen: 97.250 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 77 Resp: 627028

Ion Ratio Lower Upper

77 100

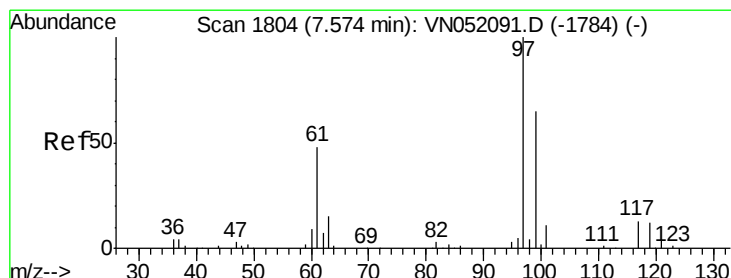
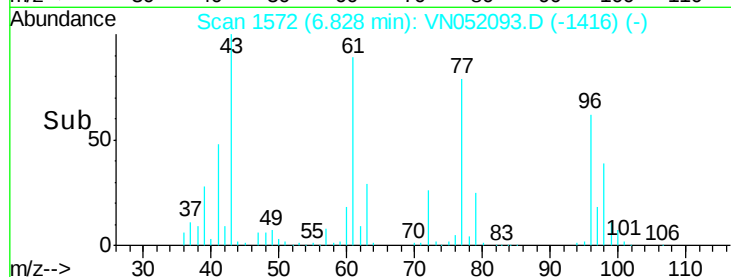
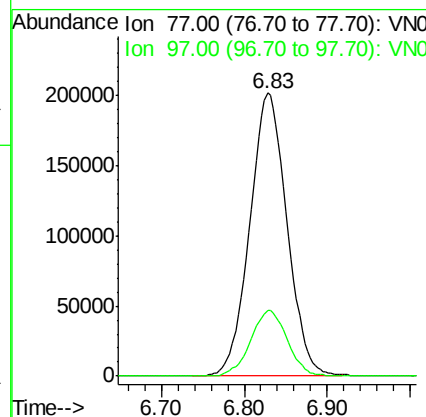
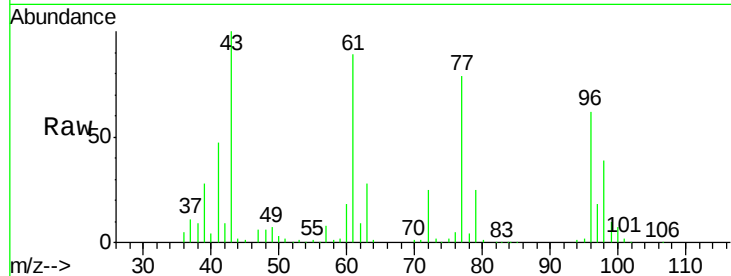
97 23.0 18.2 27.2

Manual Integrations

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MMDadoda

11/2/2018 9:21:09 AM



#32

1,1,1-Trichloroethane

Concen: 98.578 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

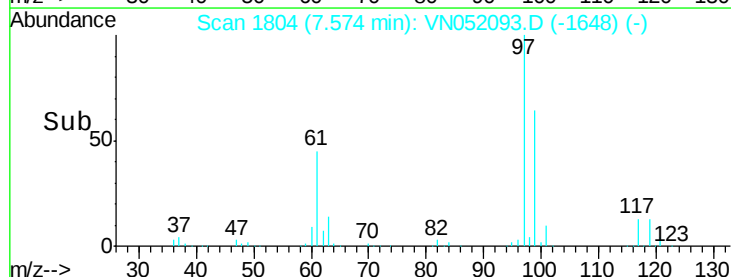
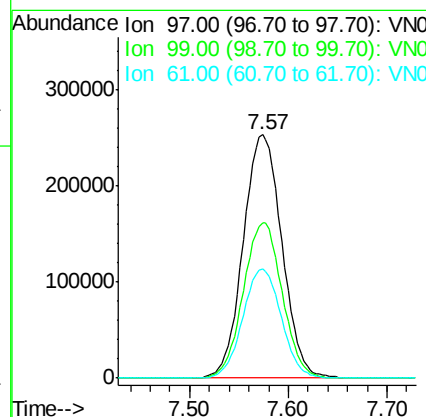
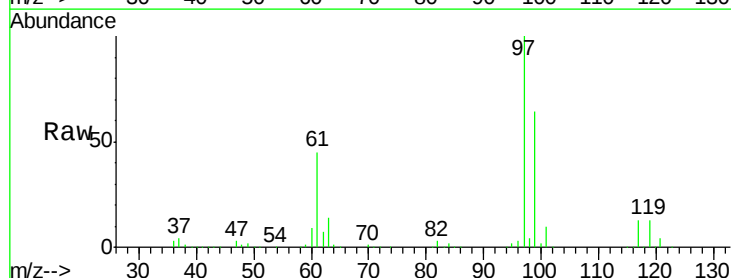
Tgt Ion: 97 Resp: 690007

Ion Ratio Lower Upper

97 100

99 64.1 51.7 77.5

61 44.5 38.7 58.1





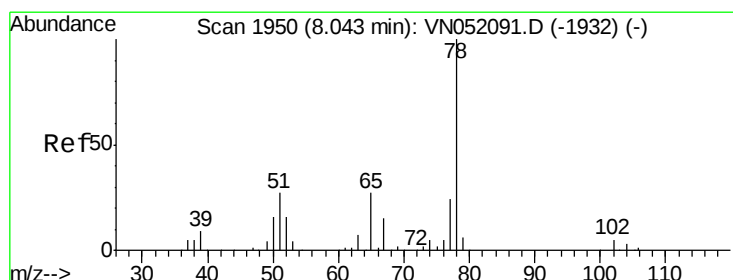
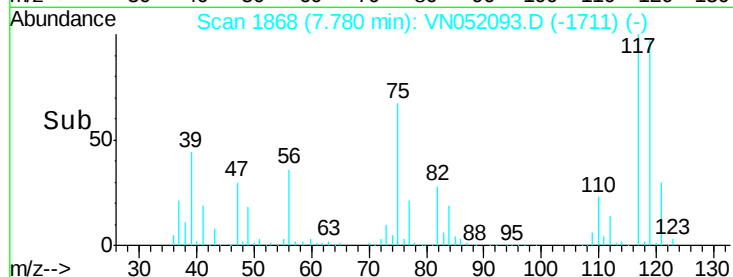
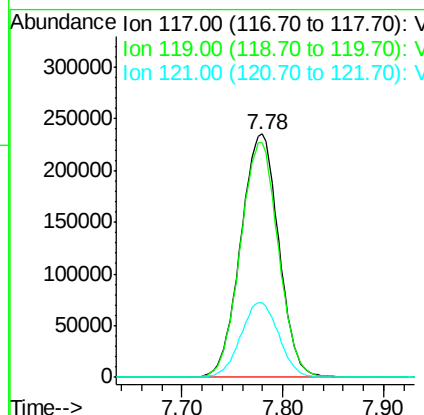
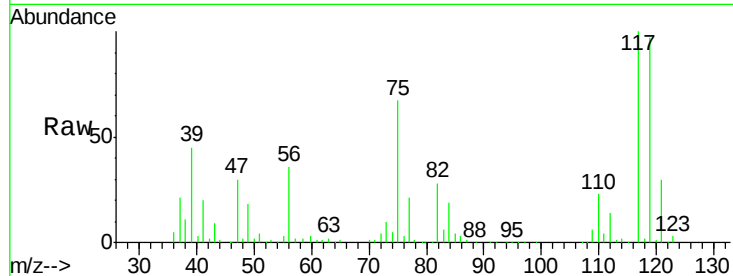
#33
Carbon Tetrachloride
Concen: 98.917 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 117 Resp: 615762
Ion Ratio Lower Upper
117 100
119 96.5 74.7 112.1
121 30.5 23.4 35.0

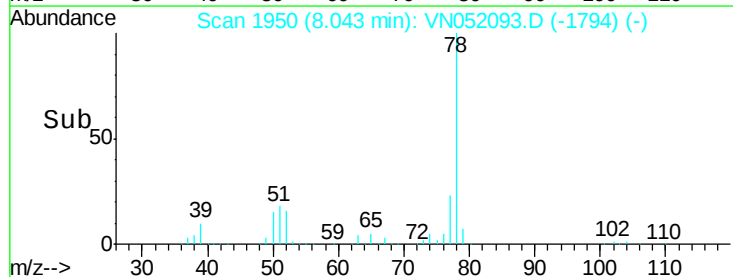
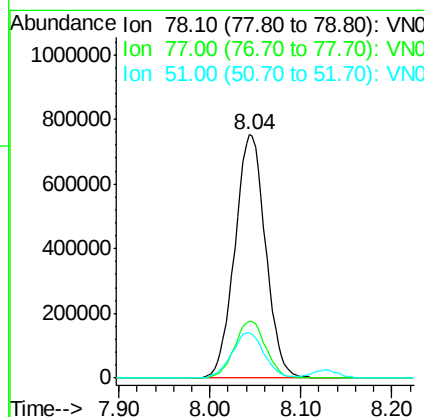
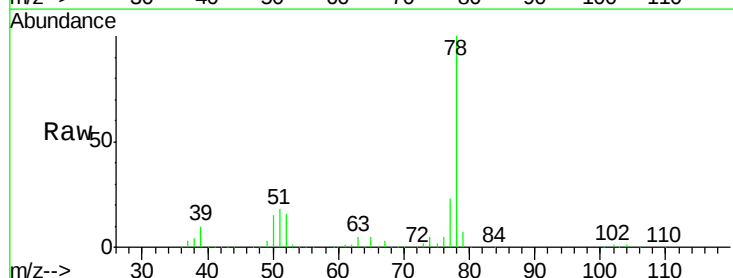
Manual Integrations
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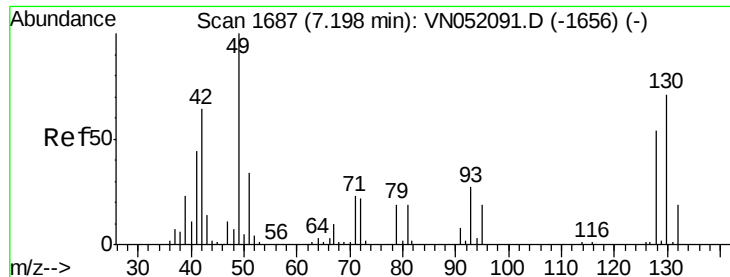
MMDadoda
11/2/2018 9:21:09 AM



#34
Benzene
Concen: 96.113 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion: 78 Resp: 1760571
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7
51 18.3 21.2 31.8#





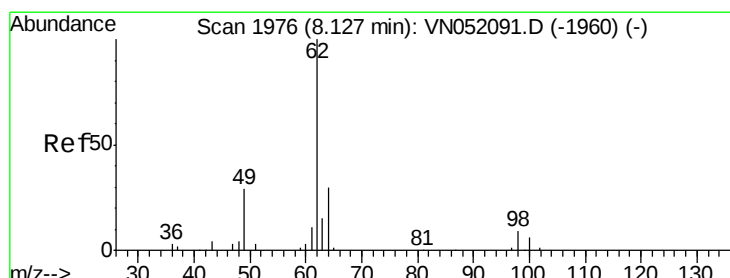
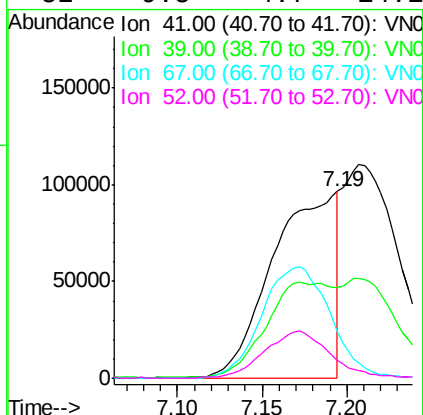
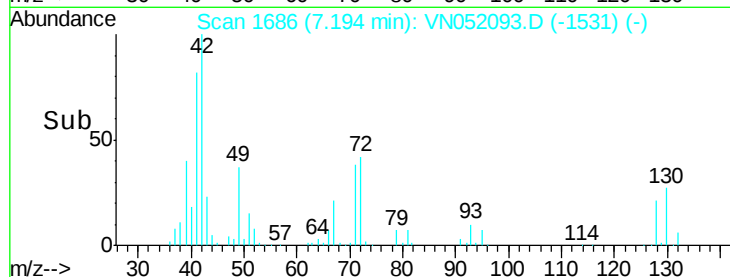
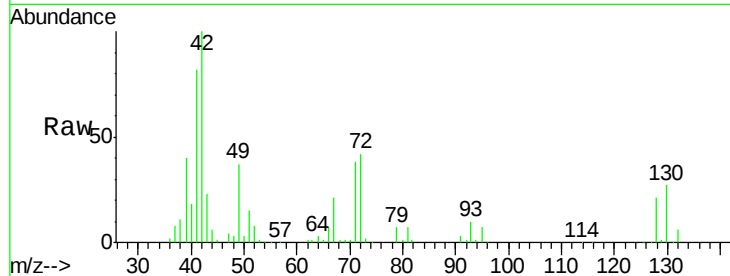
#35
Methacrylonitrile
Concen: 75.504 ug/l m
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
41	100		
39	48.5	26.1	78.3
67	25.1	11.0	33.0
52	9.5	4.7	14.1

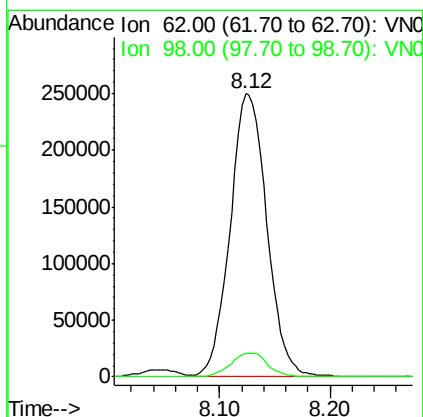
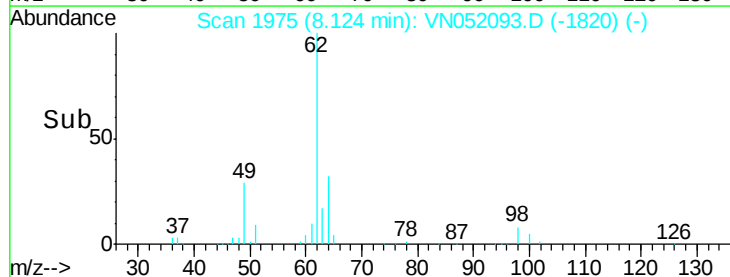
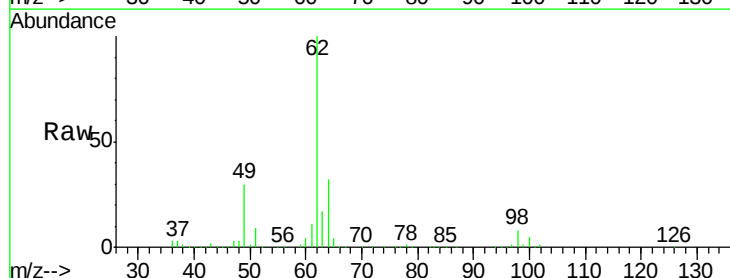
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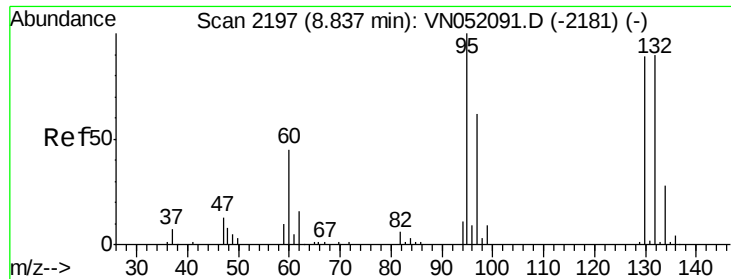
MMDadoda
11/2/2018 9:21:09 AM



#36
1,2-Dichloroethane
Concen: 93.379 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	6.7	10.1





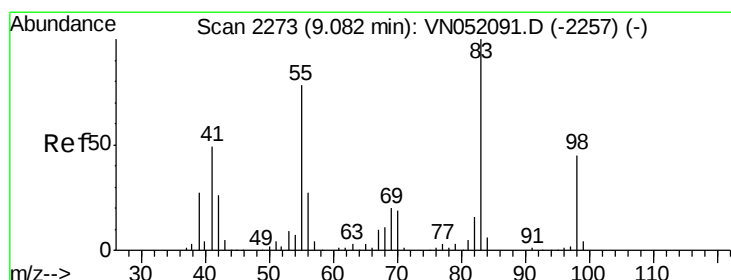
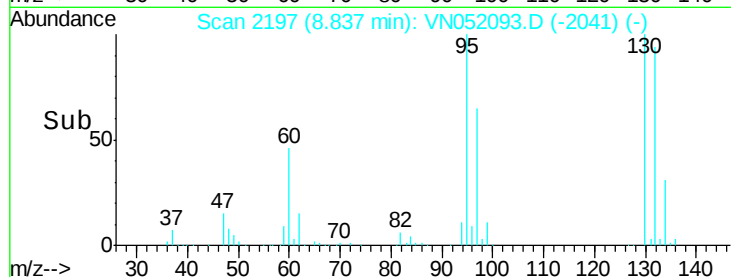
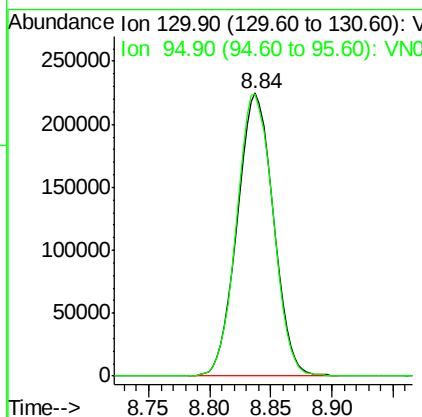
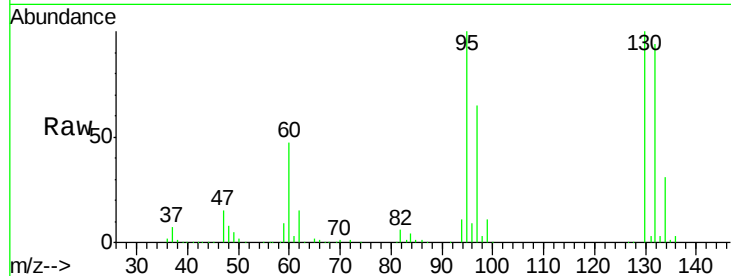
#37
 Trichloroethene
 Concen: 100.679 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 130 Resp: 461580
 Ion Ratio Lower Upper
 130 100
 95 99.7 89.9 134.9

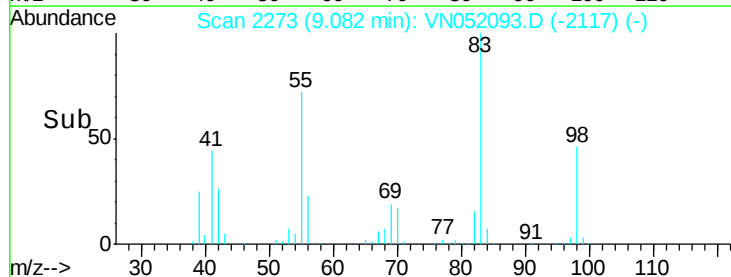
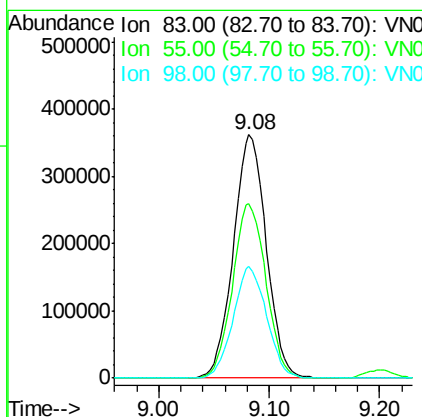
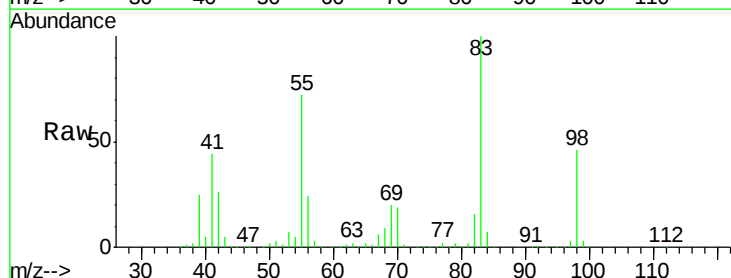
Manual Integrations
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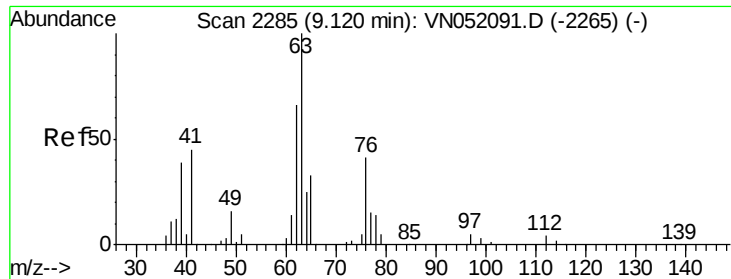
MMDadoda
 11/2/2018 9:21:09 AM



#38
 Methylcyclohexane
 Concen: 98.286 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Tgt Ion: 83 Resp: 750062
 Ion Ratio Lower Upper
 83 100
 55 72.6 38.5 115.3
 98 46.5 23.2 69.6





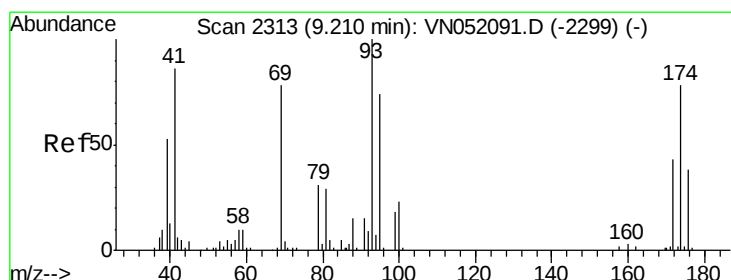
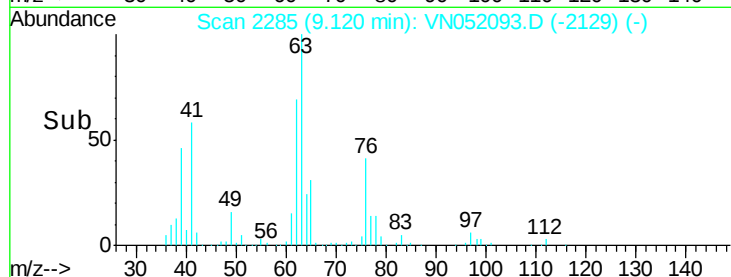
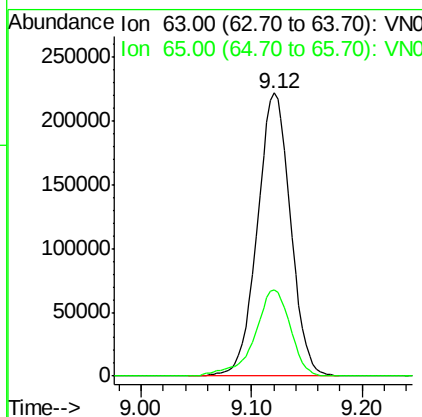
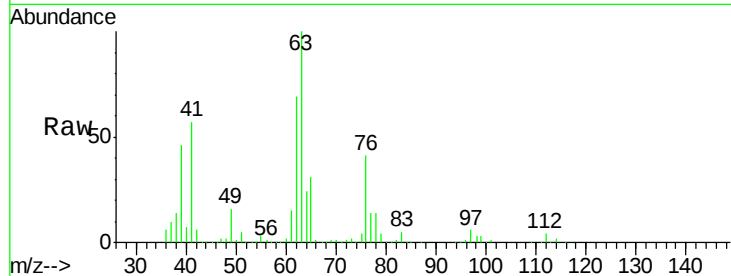
#39
 1,2-Dichloropropane
 Concen: 94.703 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 63 Resp: 461774
 Ion Ratio Lower Upper
 63 100
 65 30.6 27.3 40.9

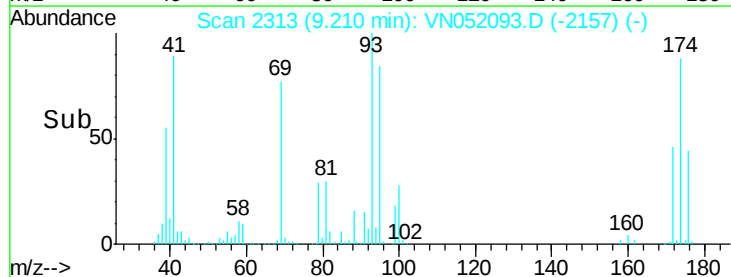
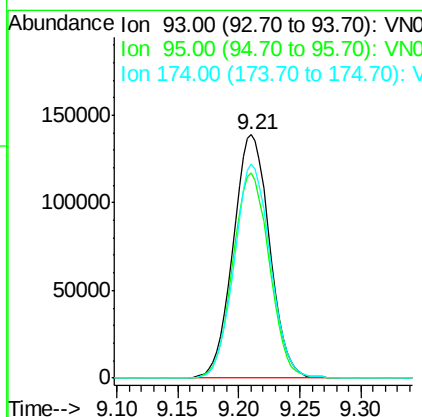
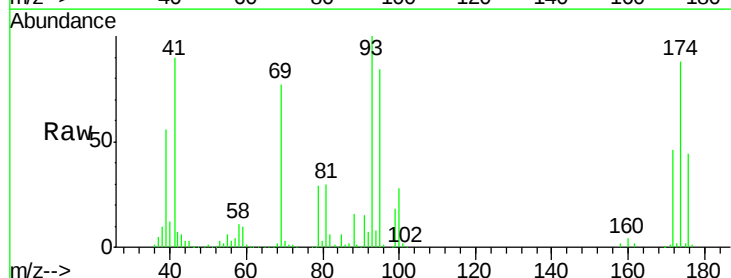
Manual Integrations
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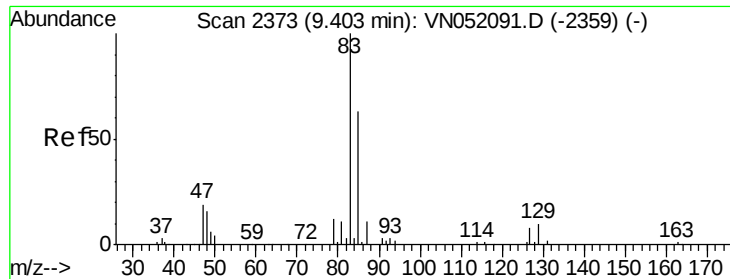
MMDadoda
 11/2/2018 9:21:09 AM



#40
 Dibromomethane
 Concen: 95.526 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Tgt Ion: 93 Resp: 287108
 Ion Ratio Lower Upper
 93 100
 95 84.5 0.0 161.2
 174 87.3 0.0 165.0





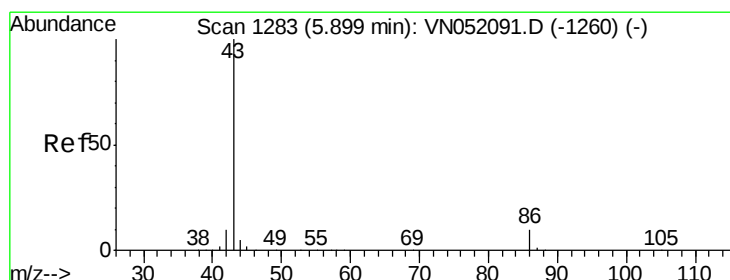
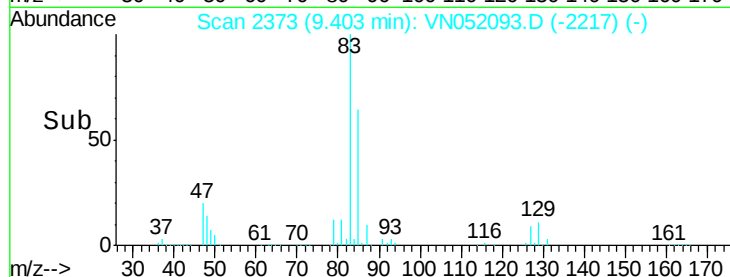
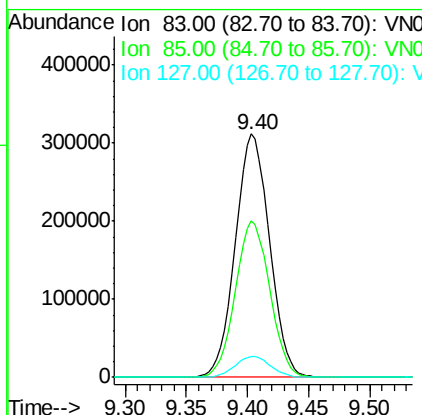
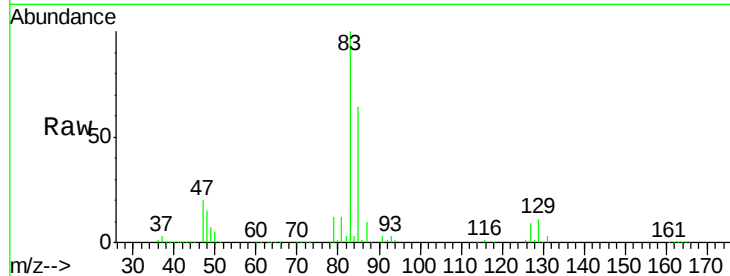
#41
Bromodichloromethane
Concen: 98.637 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.2	75.2
127	8.8	6.6	10.0

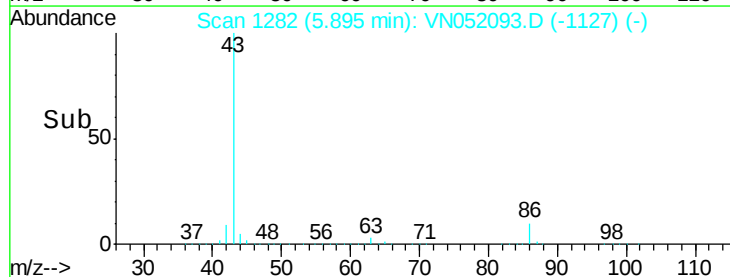
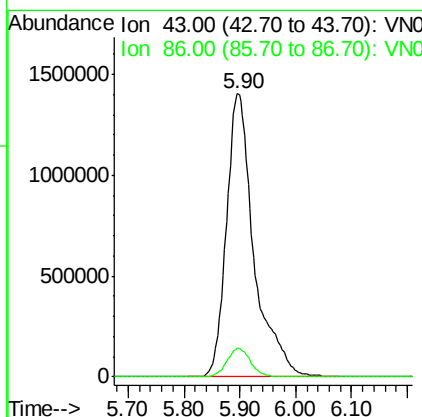
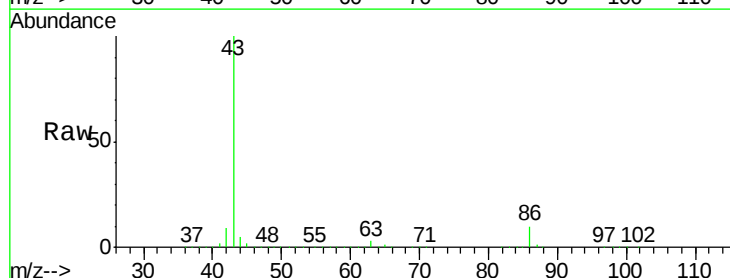
Manual Integrations
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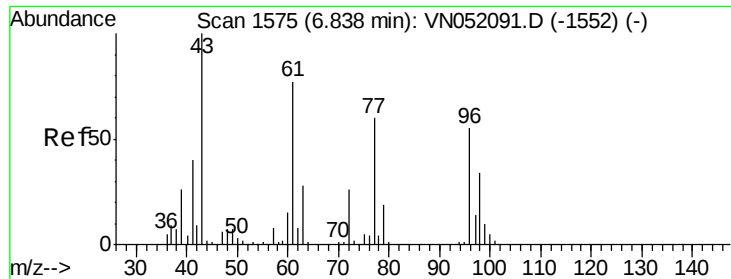
MMDadoda
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#42
Vinyl Acetate
Concen: 494.518 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.7	6.6	10.0





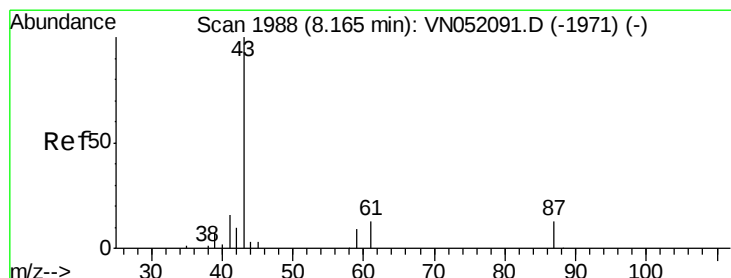
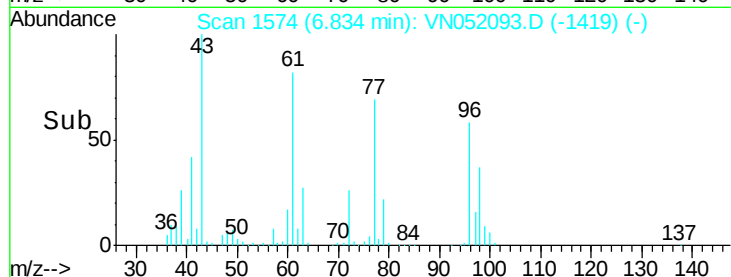
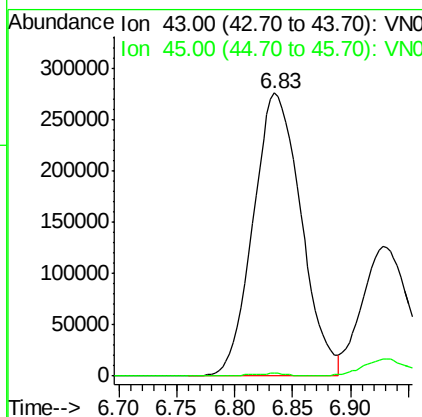
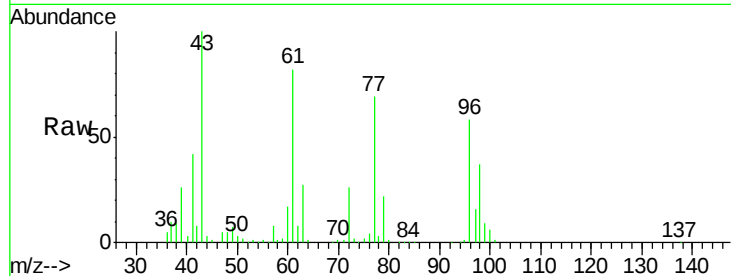
#43
Ethyl Acetate
Concen: 68.414 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 793363
Ion Ratio Lower Upper
43 100
45 0.6 3.8 5.8#

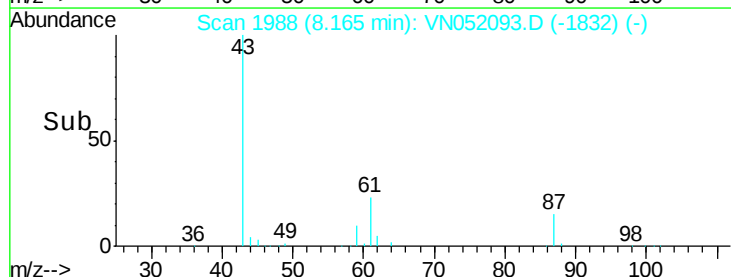
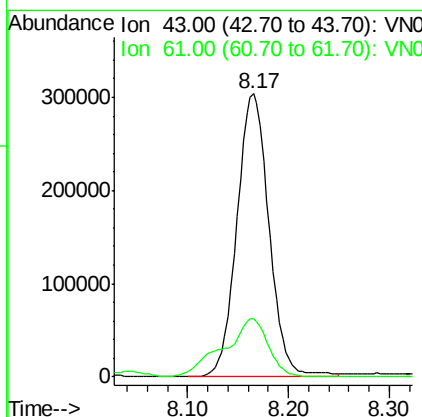
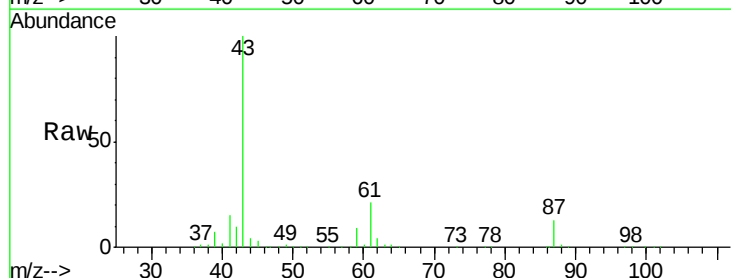
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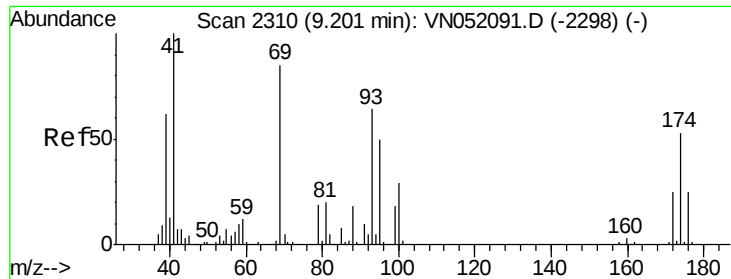
MMDadoda
11/2/2018 9:21:09 AM



#44
Isopropyl Acetate
Concen: 96.649 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion: 43 Resp: 669979
Ion Ratio Lower Upper
43 100
61 28.6 16.2 24.2#





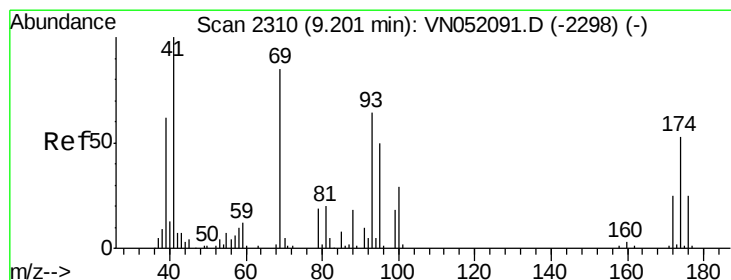
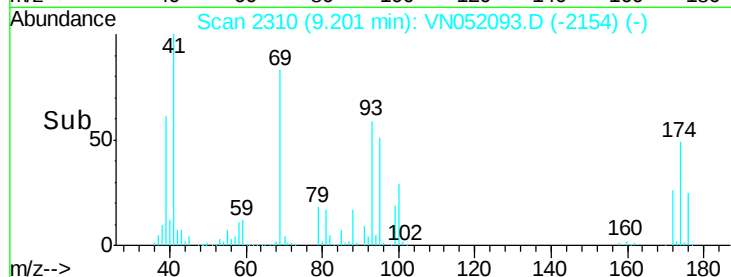
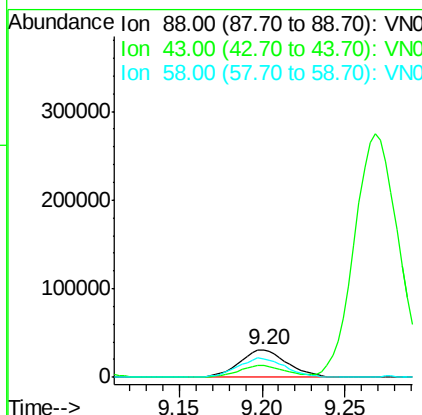
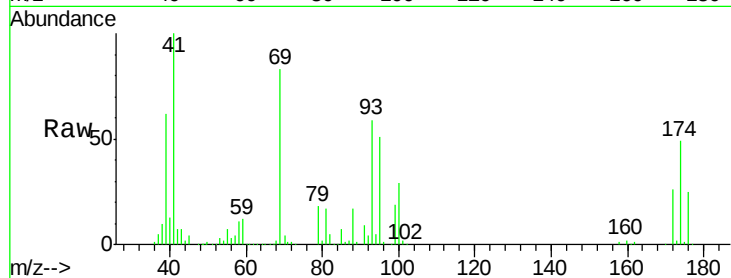
#45
 1,4-Dioxane
 Concen: 1972.508 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.2	28.6	43.0
58	69.8	37.8	56.8#

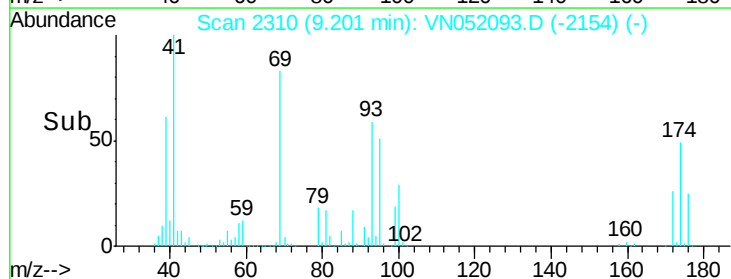
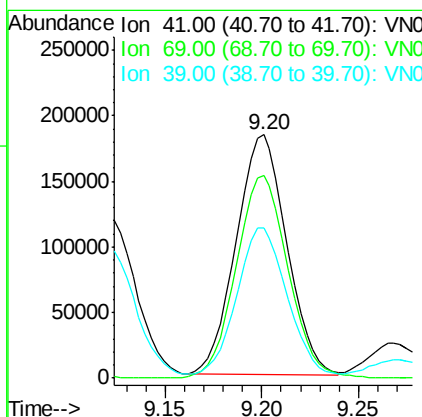
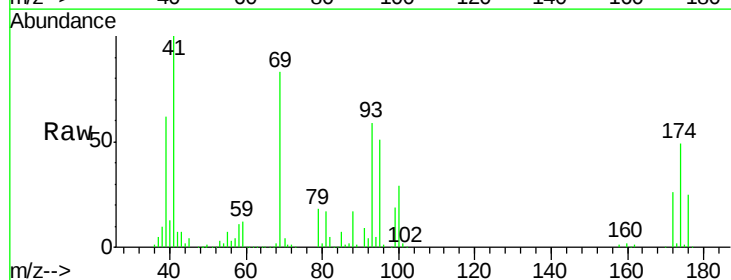
Manual Integrations
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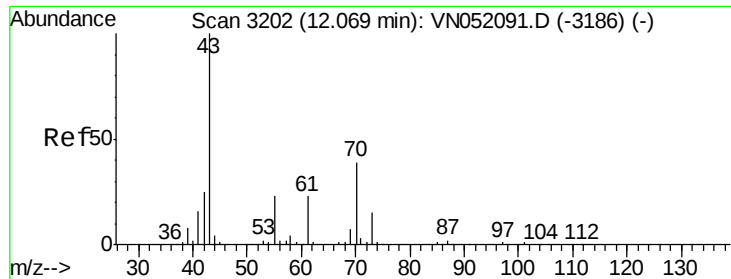
MMDadoda
 11/2/2018 9:21:09 AM



#46
 Methyl methacrylate
 Concen: 96.294 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.3	42.5	127.6
39	61.2	31.1	93.3





#47

n-amyl Acetate

Concen: 100.737 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 633486

Ion Ratio Lower Upper

43 100

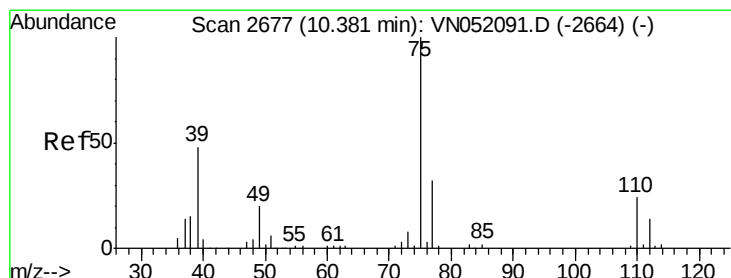
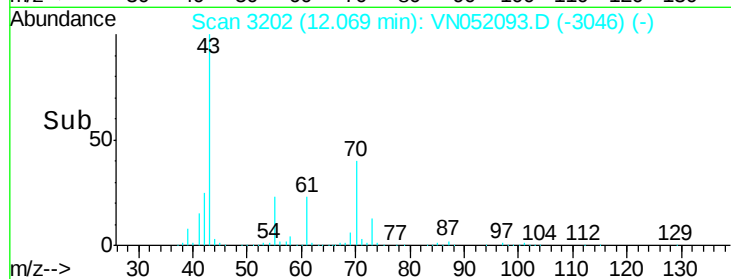
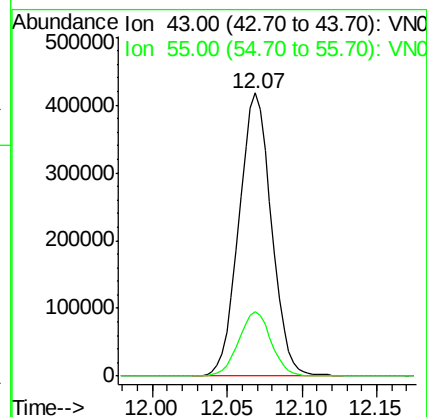
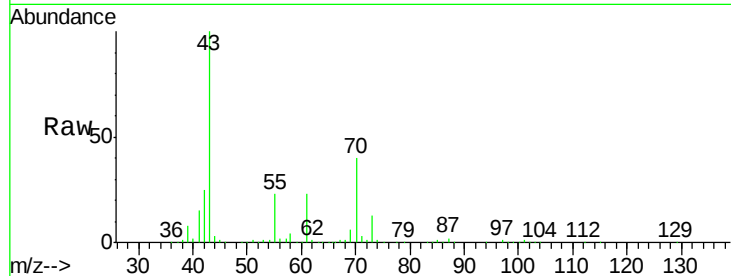
55 22.8 0.0 0.0#

Manual Integrations

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11/2/2018 9:21:09 AM



#48

t-1,3-Dichloropropene

Concen: 102.740 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052093.D

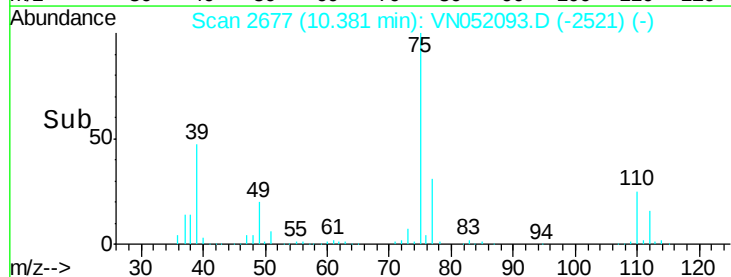
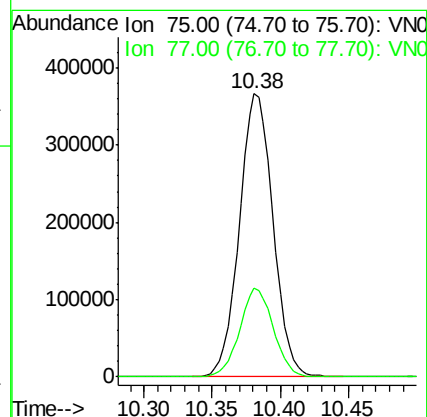
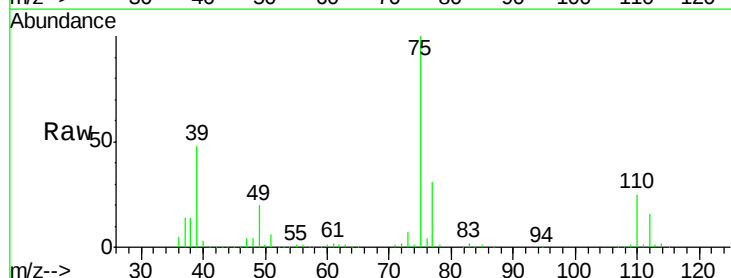
Acq: 1 Nov 2018 9:42

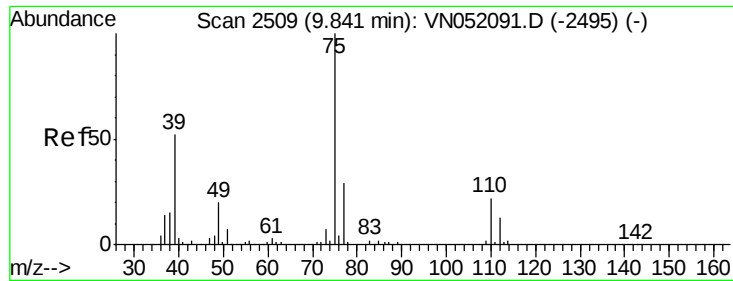
Tgt Ion: 75 Resp: 627370

Ion Ratio Lower Upper

75 100

77 31.1 26.3 39.5





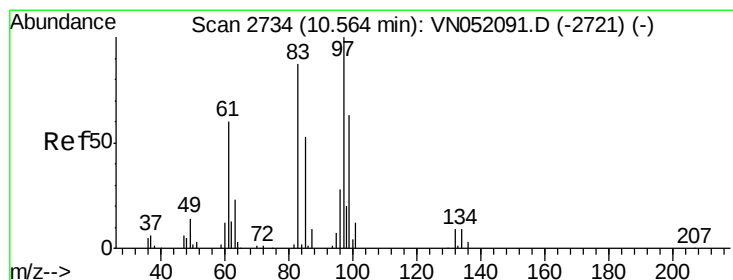
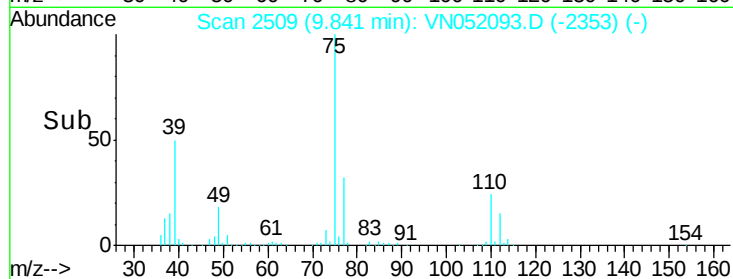
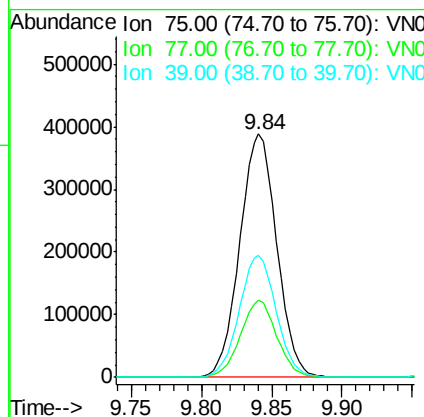
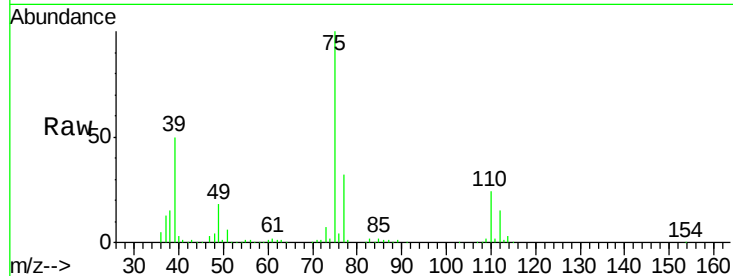
#49
 cis-1,3-Dichloropropene
 Concen: 101.447 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	23.3	34.9
39	49.8	41.6	62.4

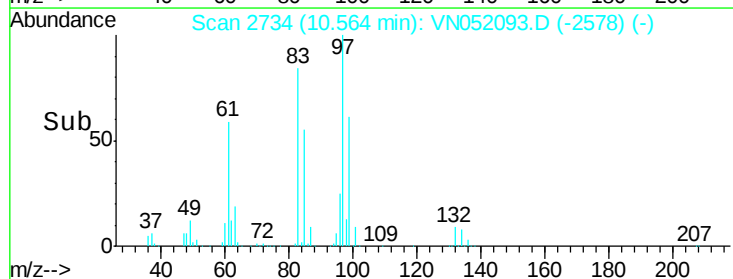
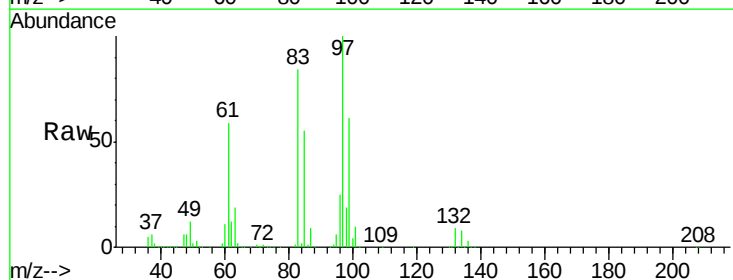
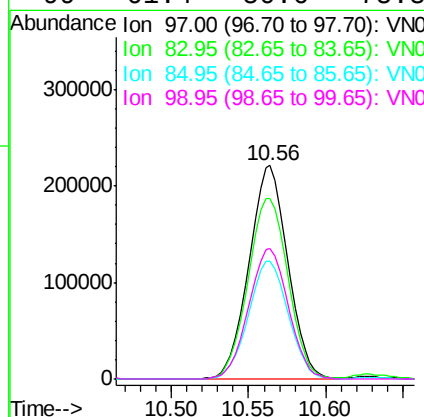
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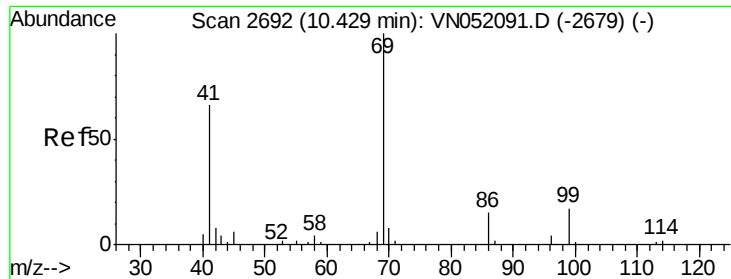
MMDadoda
 11/2/2018 9:21:09 AM



#50
 1,1,2-Trichloroethane
 Concen: 97.278 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.4	104.0
85	55.4	42.7	64.1
99	61.4	50.6	75.8





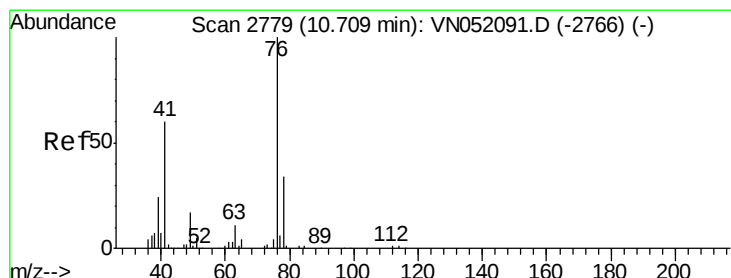
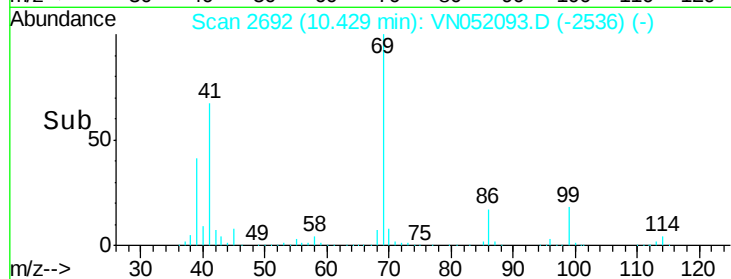
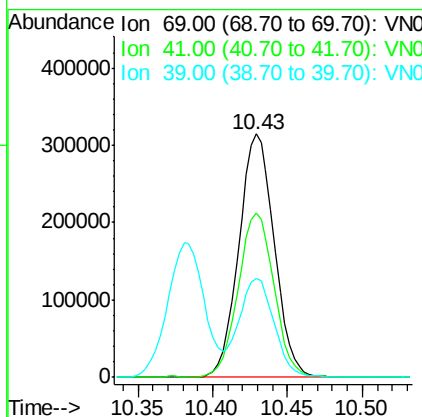
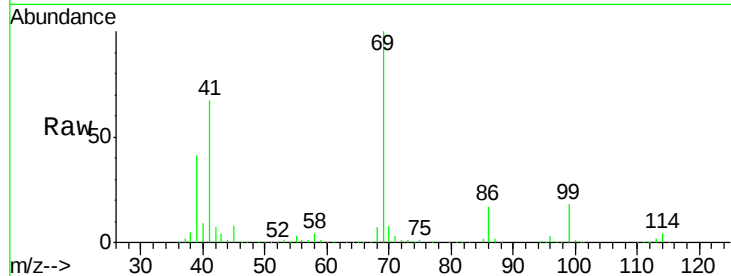
#51
Ethyl methacrylate
Concen: 100.815 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.1	33.0	99.0
39	40.5	20.7	62.1

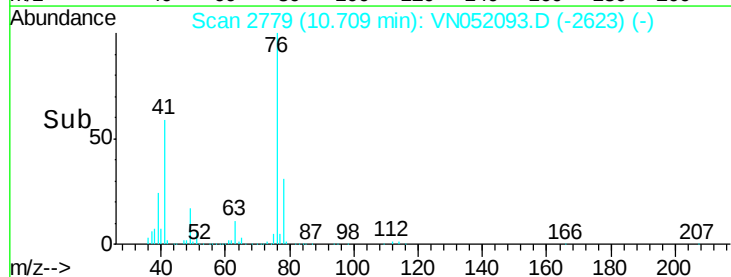
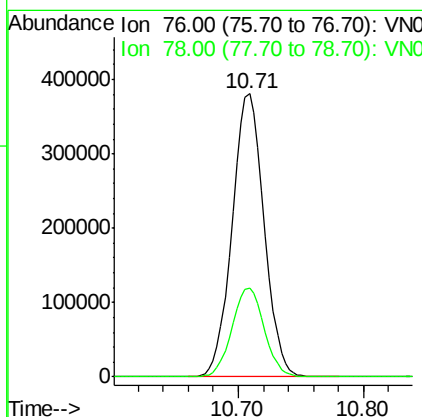
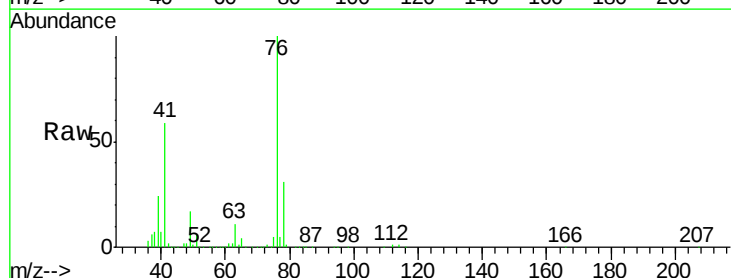
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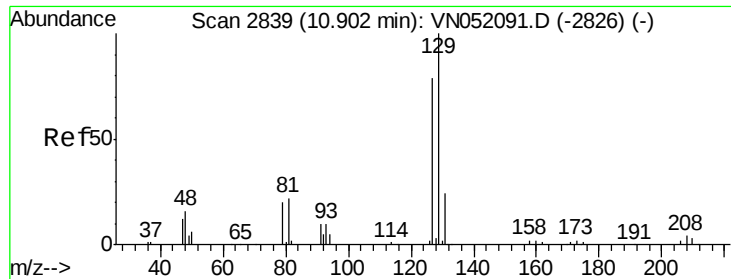
MMDadoda
11/2/2018 9:21:09 AM



#52
1,3-Dichloropropane
Concen: 96.973 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	65.0





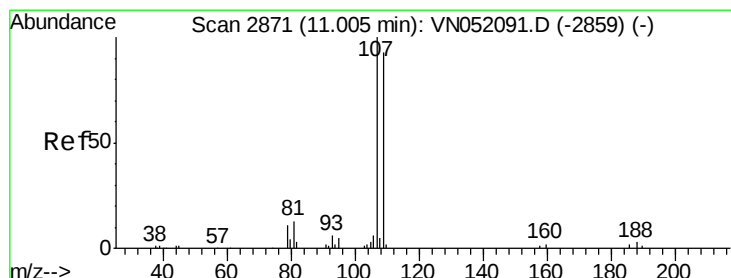
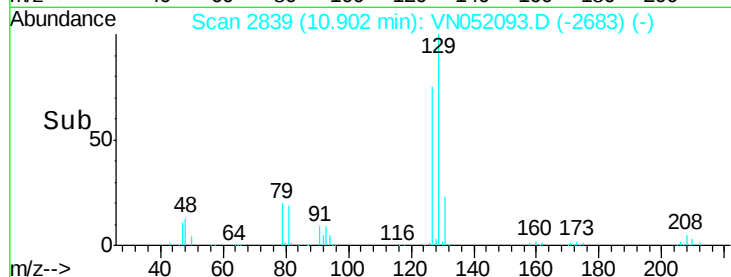
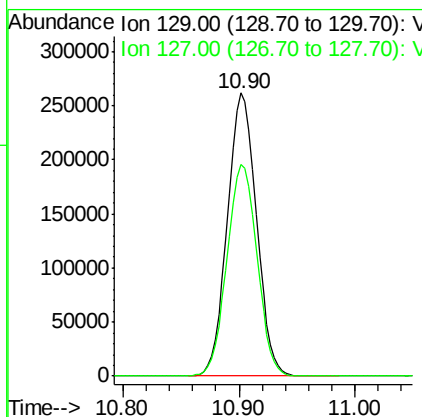
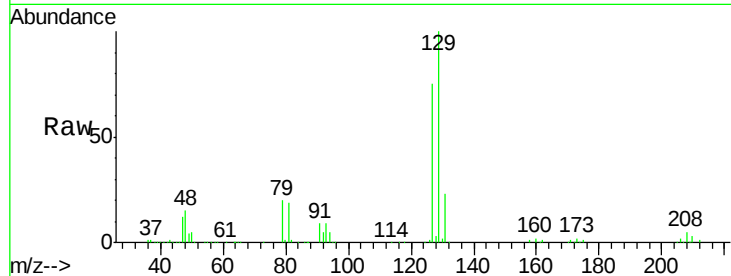
#53
 Dibromochloromethane
 Concen: 105.814 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:129 Resp: 454008
 Ion Ratio Lower Upper
 129 100
 127 77.3 39.2 117.6

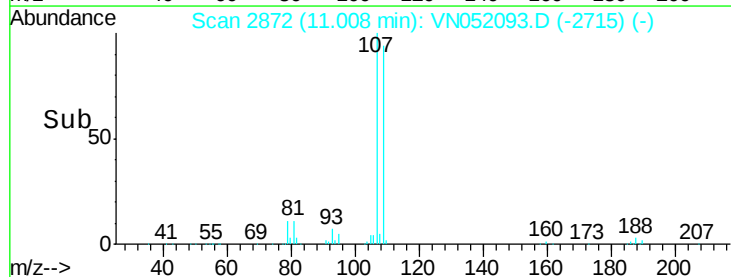
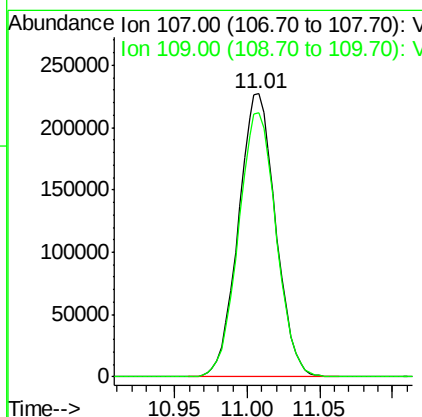
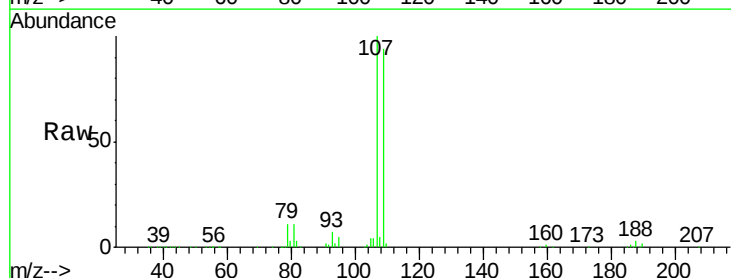
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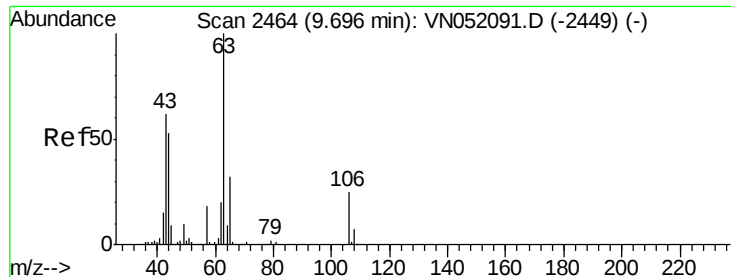
MMDadoda
 11/2/2018 9:21:09 AM



#54
 1,2-Dibromoethane
 Concen: 100.305 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Tgt Ion:107 Resp: 404252
 Ion Ratio Lower Upper
 107 100
 109 94.7 77.0 115.6





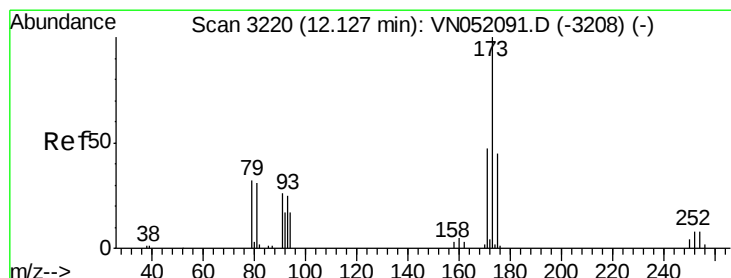
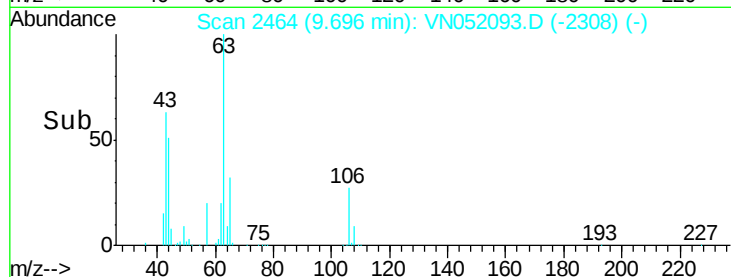
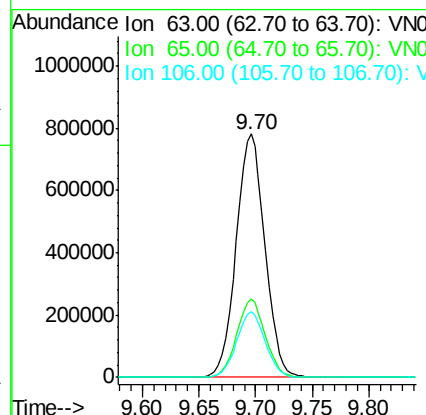
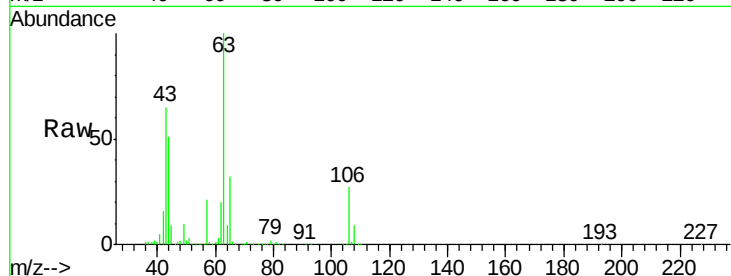
#55
2-Chloroethyl vinyl ether
Concen: 489.175 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 63 Resp: 1375910
Ion Ratio Lower Upper
63 100
65 31.8 25.5 38.3
106 26.9 20.4 30.6

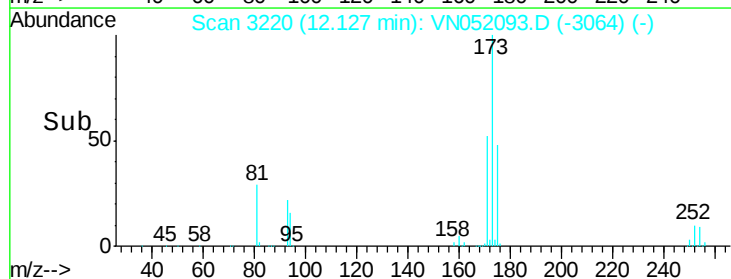
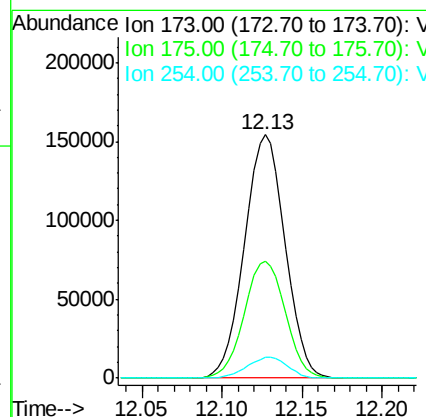
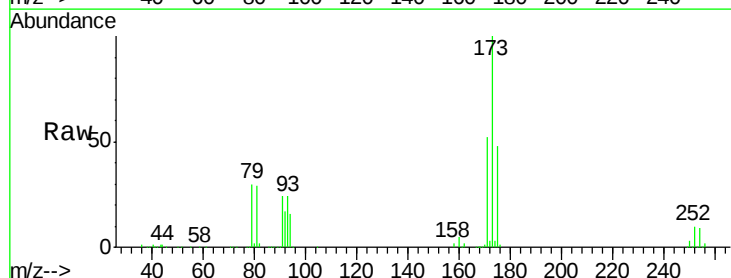
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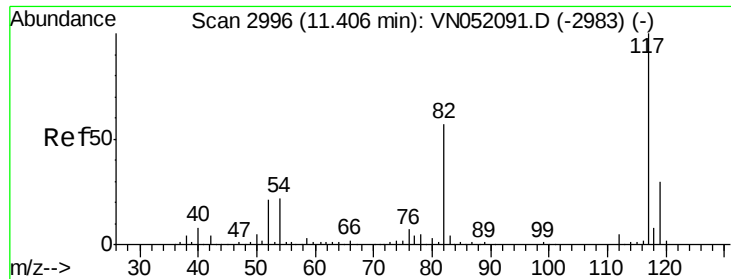
MMDadoda
11/2/2018 9:21:09 AM



#56
Bromoform
Concen: 107.520 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion: 173 Resp: 266448
Ion Ratio Lower Upper
173 100
175 48.7 37.3 55.9
254 8.6 7.0 10.6





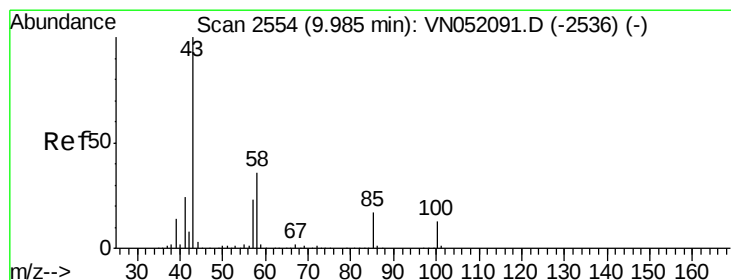
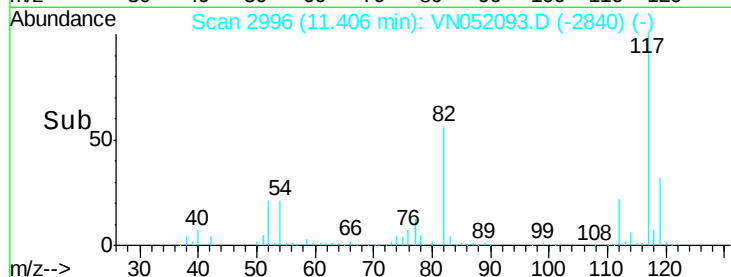
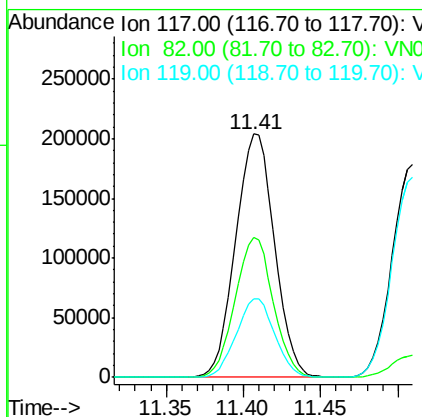
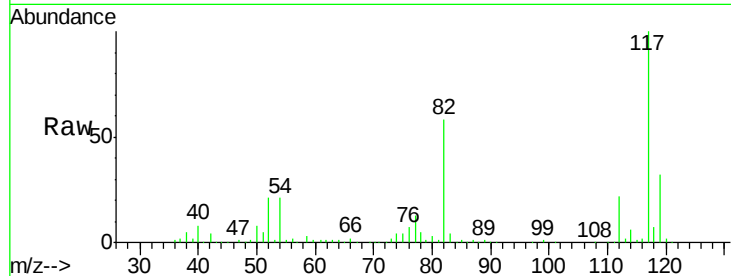
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.0	67.6
119	31.9	24.2	36.4

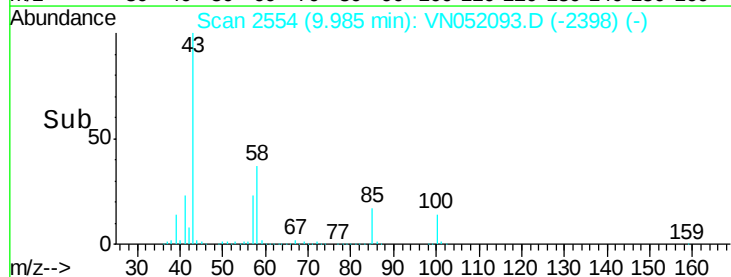
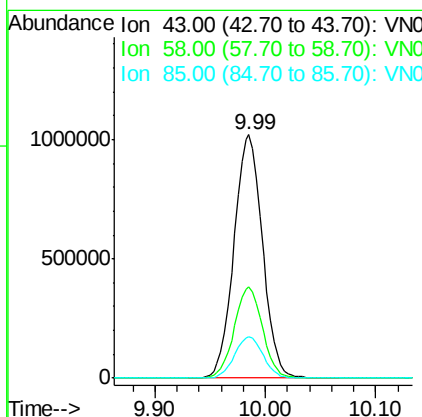
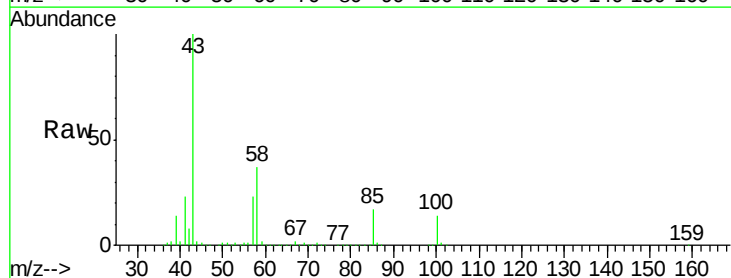
Manual Integrations
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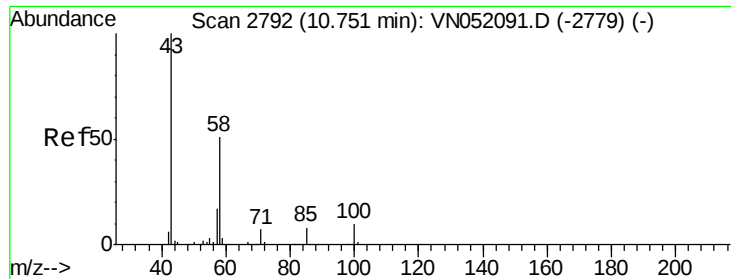
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 477.578 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.0	43.6
85	17.1	13.4	20.2





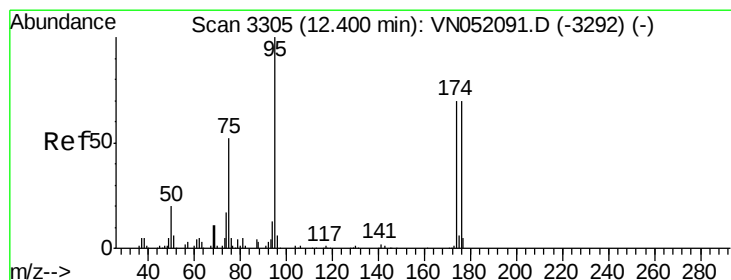
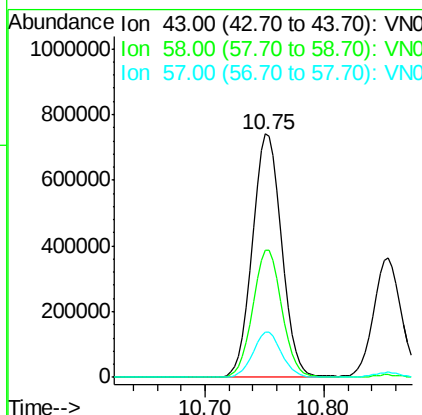
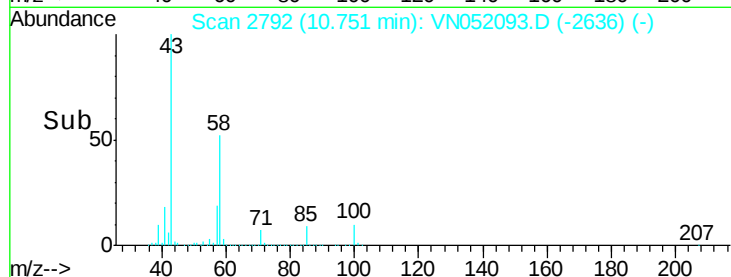
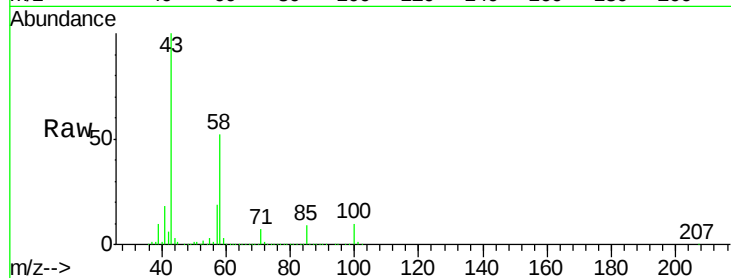
#59
2-Hexanone
Concen: 479.721 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 1261472
Ion Ratio Lower Upper
43 100
58 52.1 40.8 61.2
57 18.3 13.8 20.8

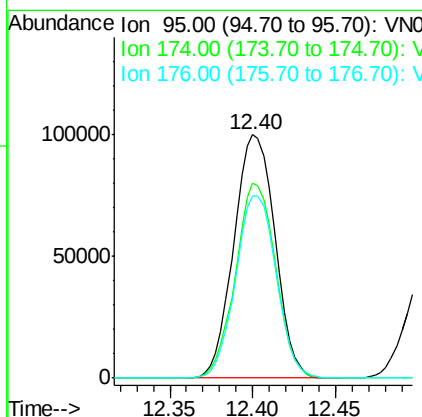
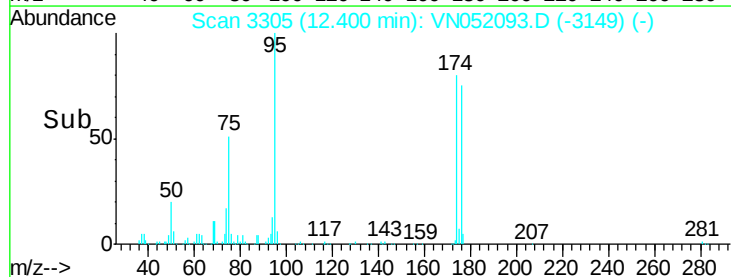
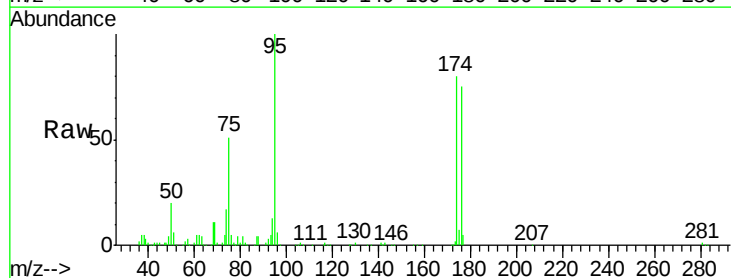
Manual Integrations
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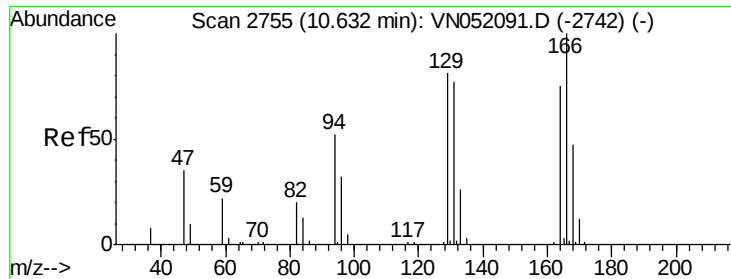
MMDadoda
11/2/2018 9:21:09 AM



#60
4-Bromofluorobenzene
Concen: 479.721 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion: 95 Resp: 172656
Ion Ratio Lower Upper
95 100
174 77.9 55.0 82.6
176 74.1 54.2 81.4





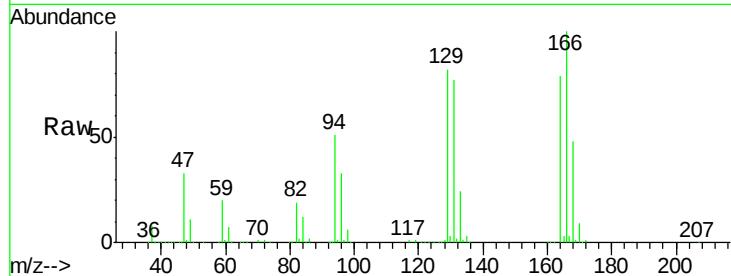
#61
Tetrachloroethene
Concen: 100.234 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	126.8	388525	106.4	159.6
129	103.5		87.0	130.4
131	97.0		81.4	122.2

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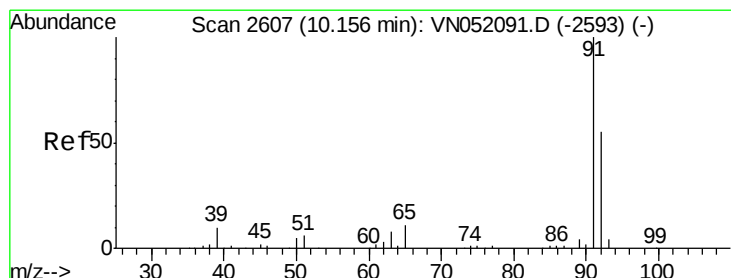
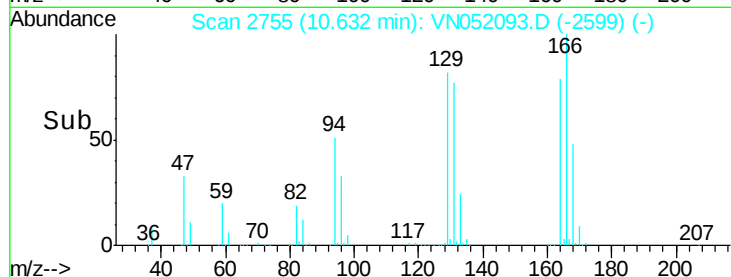
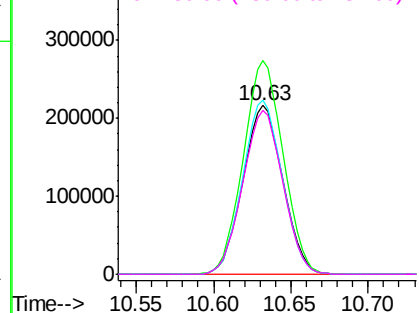
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

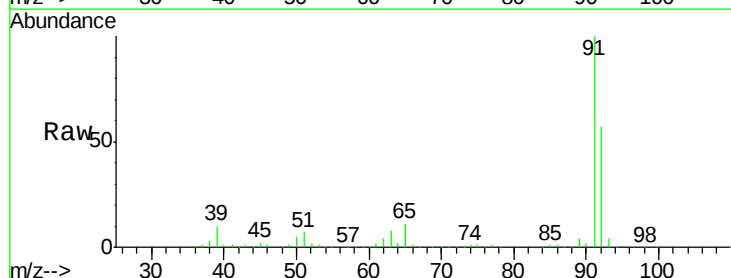
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 98.430 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

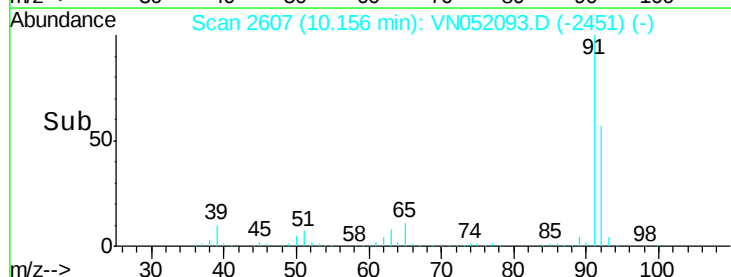
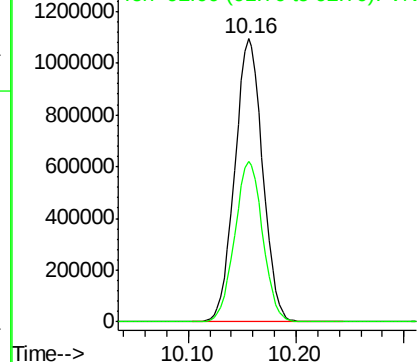
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1969327		
92	56.9		44.6	67.0

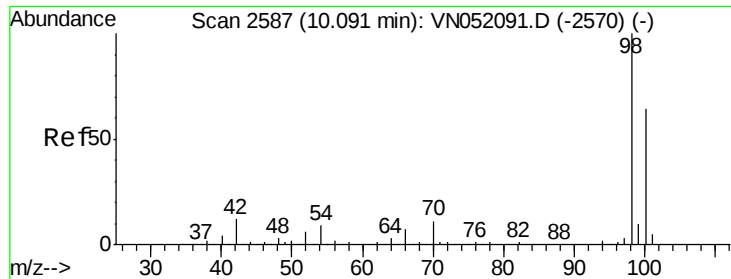


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





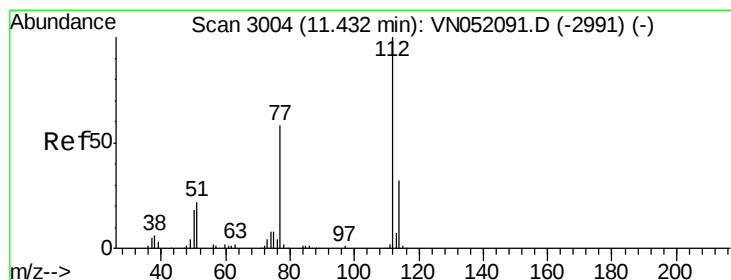
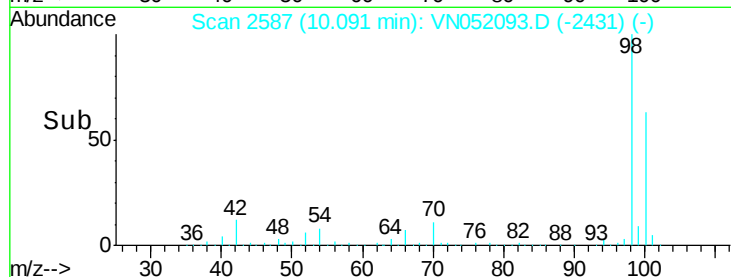
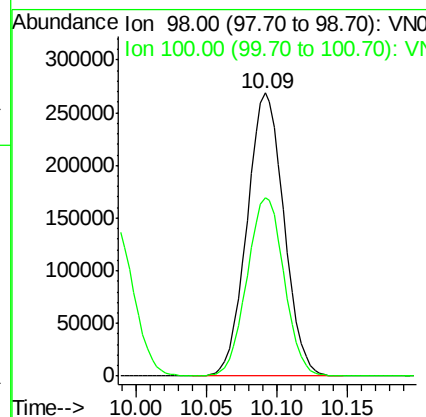
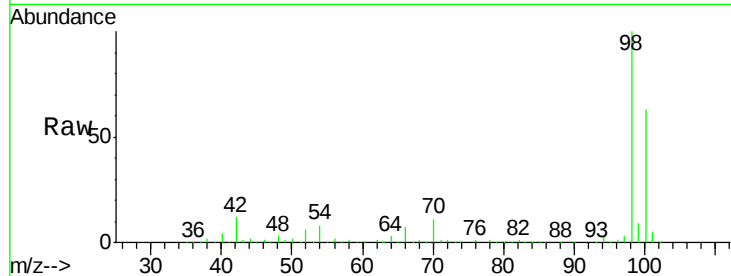
#63
Toluene-d8
Concen: 98.430 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 98 Resp: 492251
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1

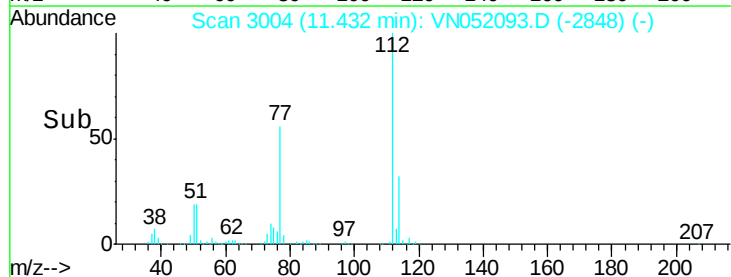
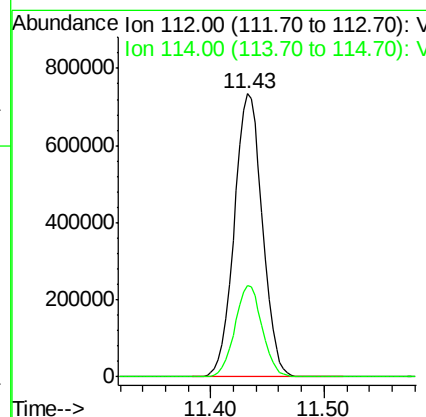
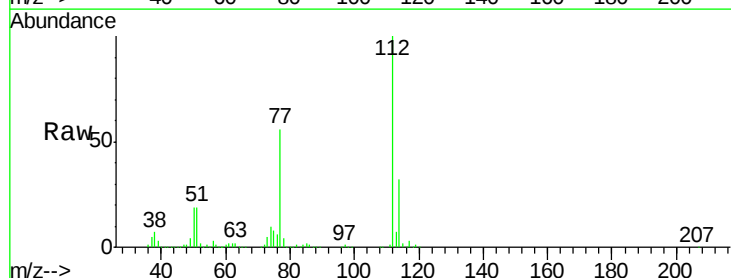
Manual Integrations
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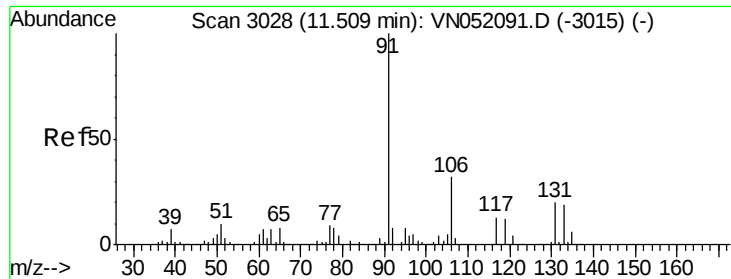
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#64
Chlorobenzene
Concen: 99.836 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion: 112 Resp: 1265951
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 100.822 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

Instrument :

MSVOA_N

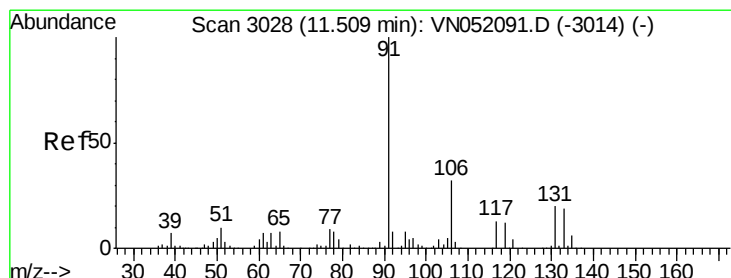
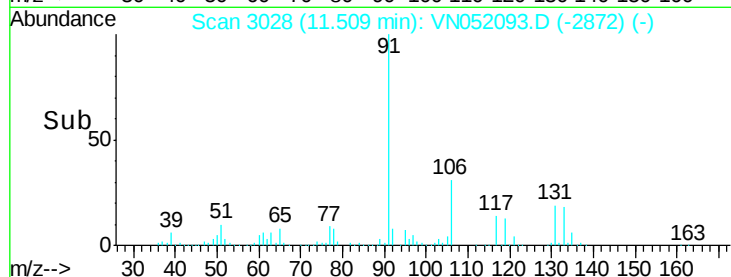
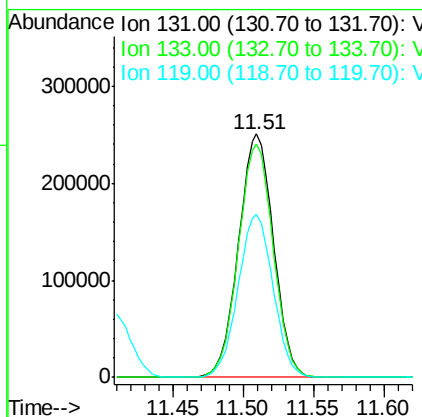
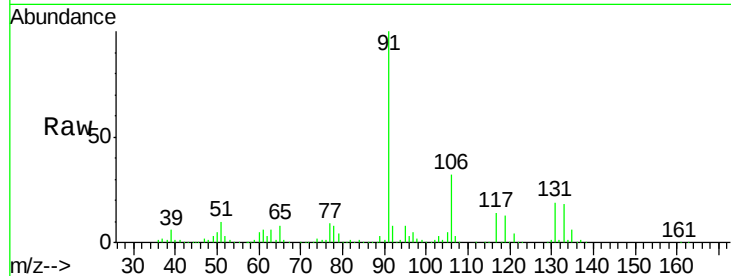
ClientSampleId :

VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	435131		
133	95.9	0.0	188.8	
119	66.9	0.0	131.4	

Manual Integrations
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#66

Ethyl Benzene

Concen: 100.104 ug/l

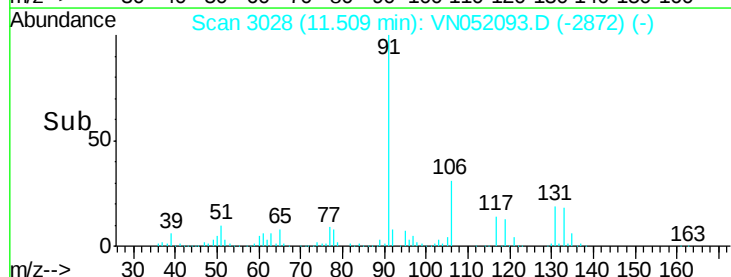
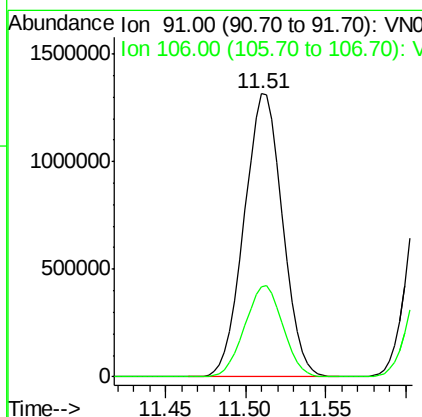
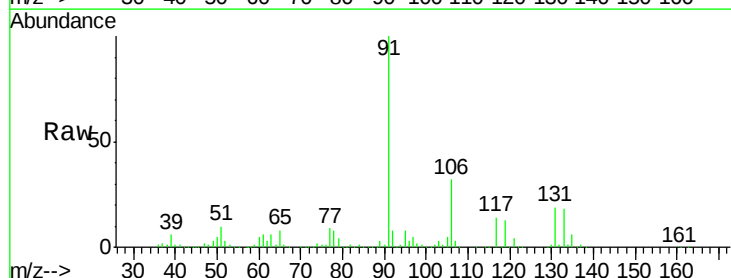
RT: 11.51 min Scan# 3028

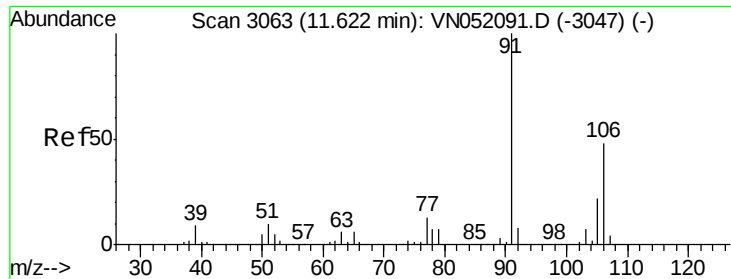
Delta R.T. 0.00 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2163395		
106	32.0	25.7	38.5	





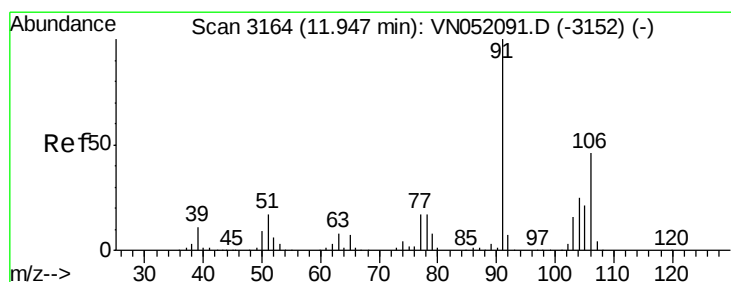
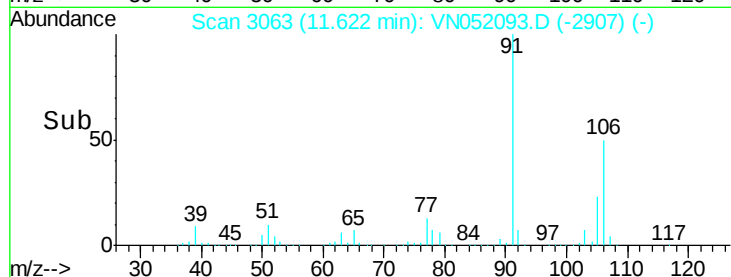
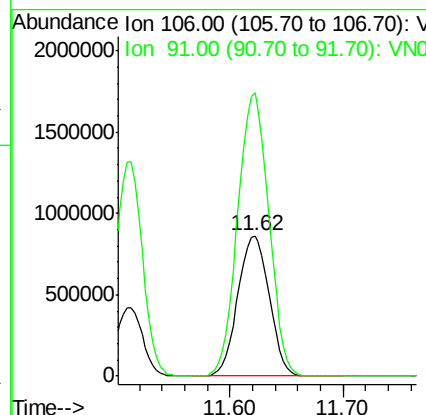
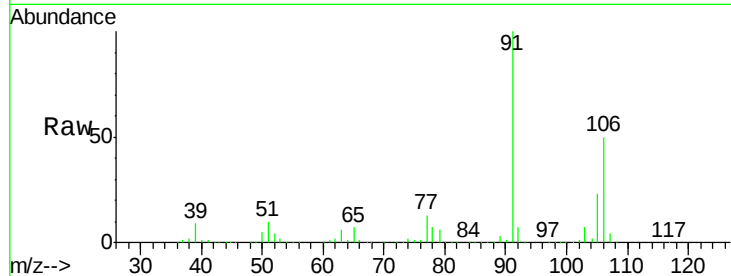
#67
m/p-Xylenes
Concen: 200.571 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 1668819
Ion Ratio Lower Upper
106 100
91 200.4 163.6 245.4

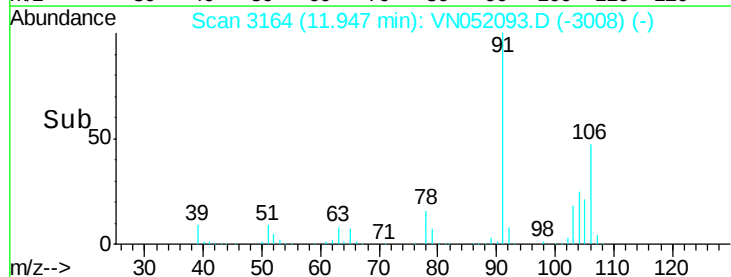
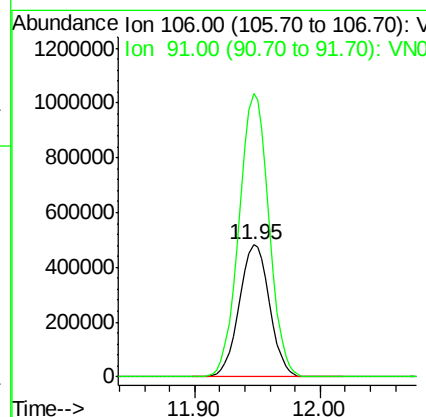
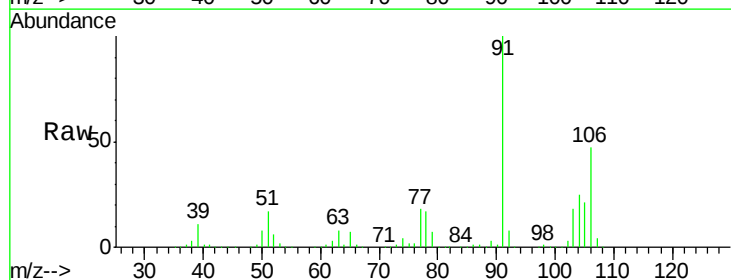
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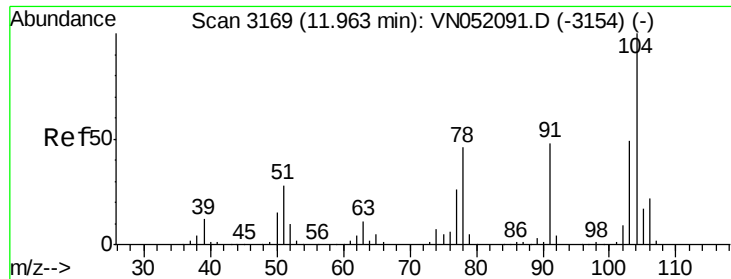
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#68
o-Xylene
Concen: 101.852 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion:106 Resp: 807957
Ion Ratio Lower Upper
106 100
91 211.7 110.0 330.0





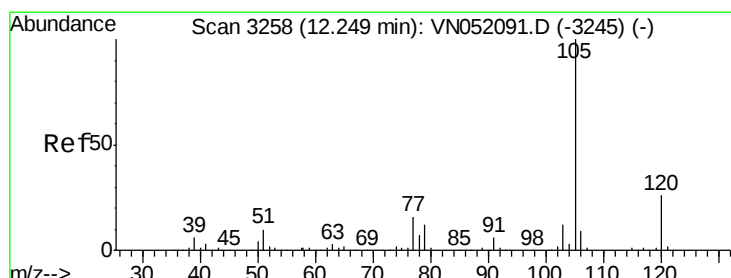
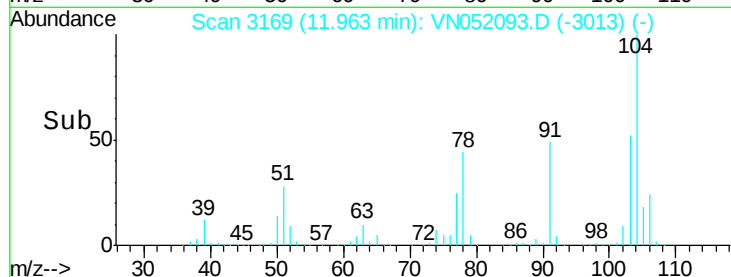
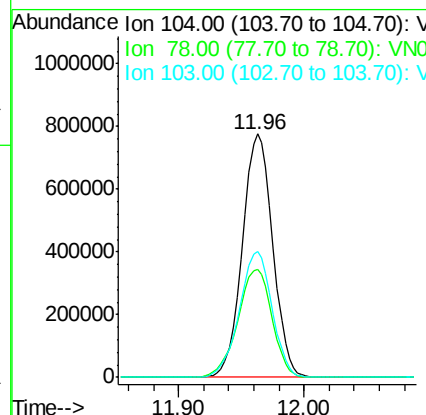
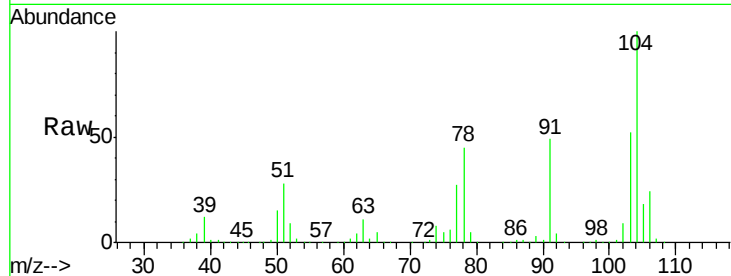
#69
Styrene
Concen: 102.146 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion:104 Resp: 1305720
Ion Ratio Lower Upper
104 100
78 50.0 41.3 61.9
103 55.7 43.3 64.9

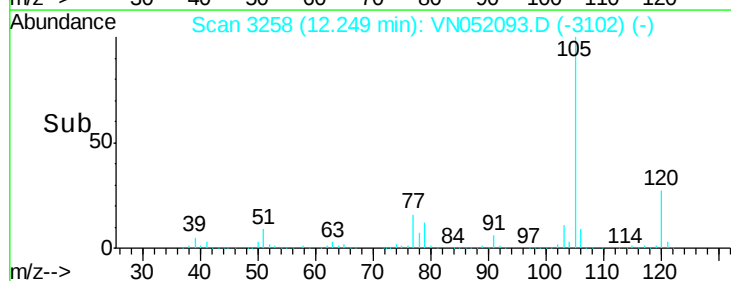
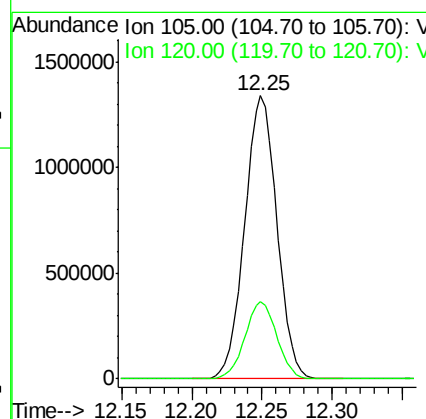
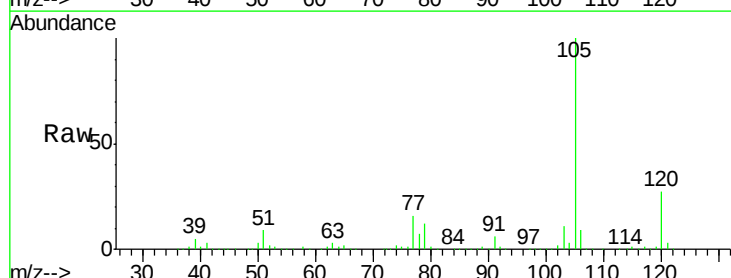
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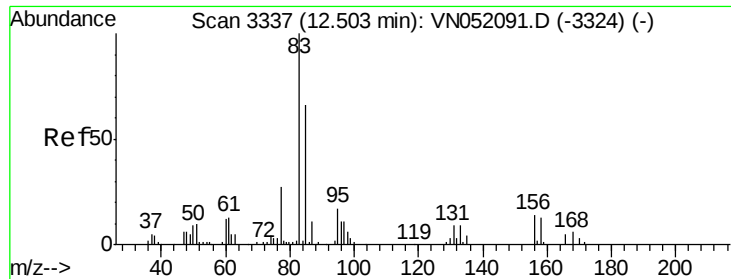
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#70
Isopropylbenzene
Concen: 100.644 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion:105 Resp: 2143214
Ion Ratio Lower Upper
105 100
120 27.1 18.4 34.2





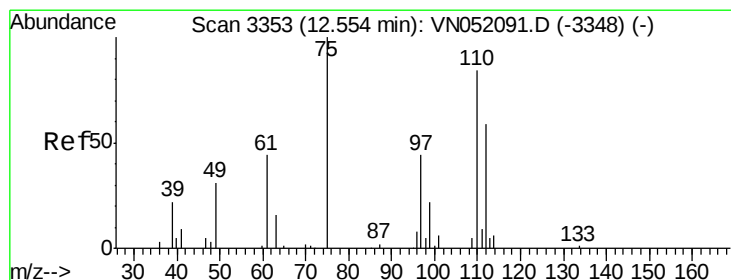
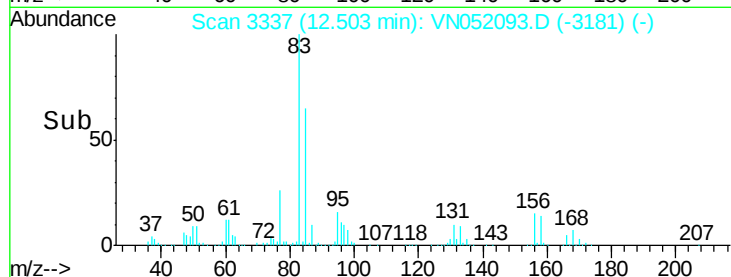
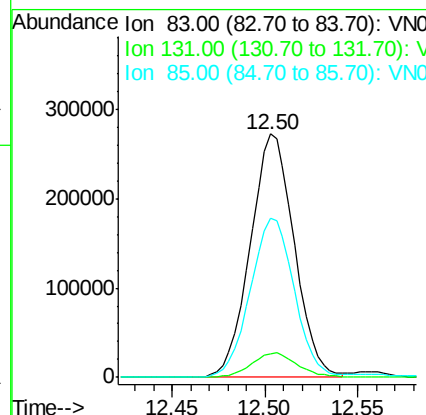
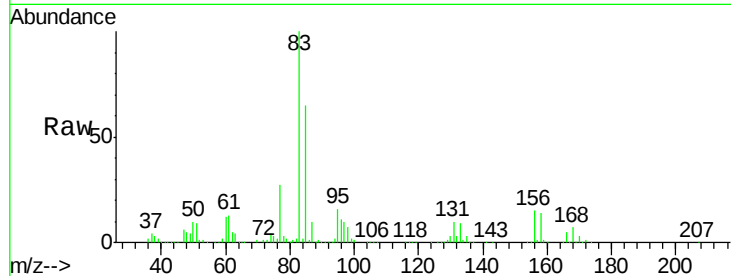
#71
 1,1,2,2-Tetrachloroethane
 Concen: 95.421 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.8	14.3
85	65.5	32.7	98.1

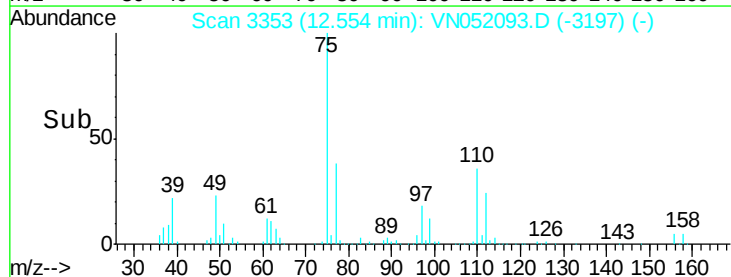
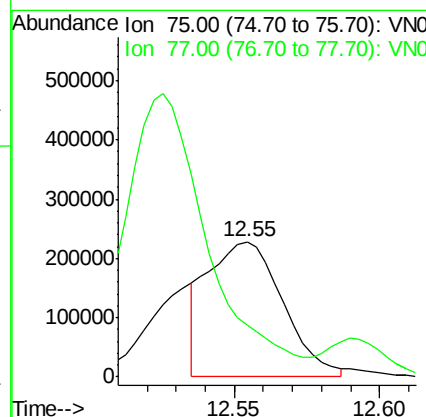
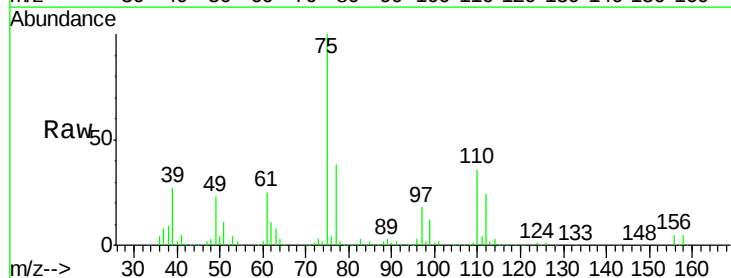
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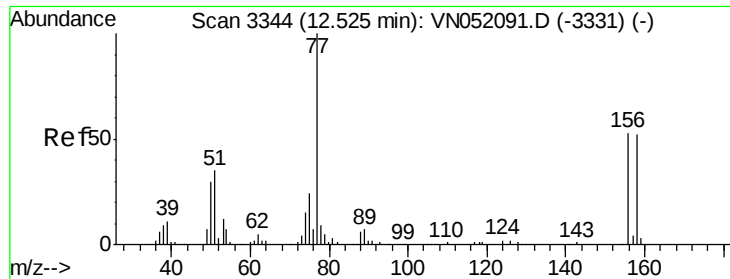
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#72
 1,2,3-Trichloropropane
 Concen: 105.371 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	231.3	0.0	481.8





#73

Bromobenzene

Concen: 104.429 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

Instrument :

MSVOA_N

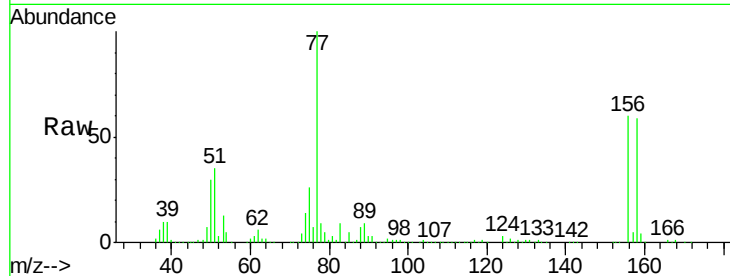
ClientSampled :

VSTDIC100

Tgt Ion	Ratio	Lower	Upper
156	100		
77	192.7	0.0	428.0
158	97.3	0.0	196.8

Manual Integrations
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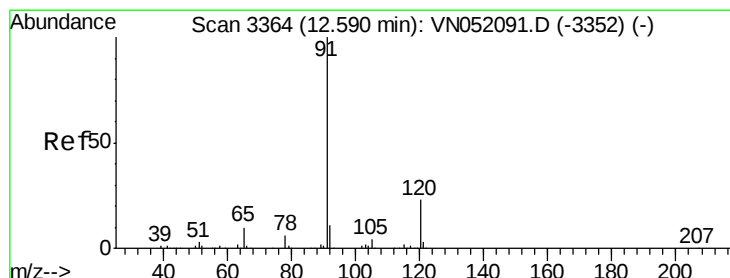
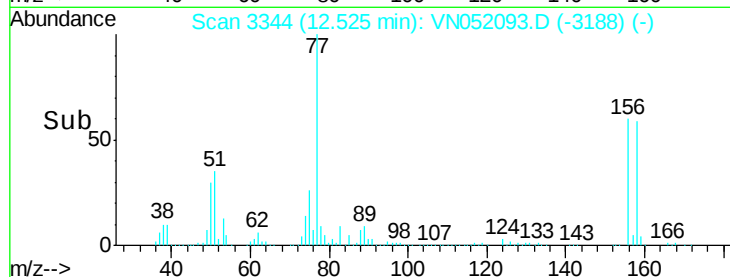
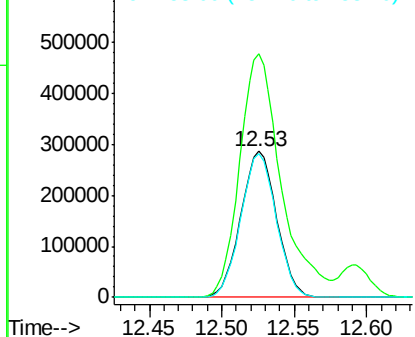
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 99.885 ug/l

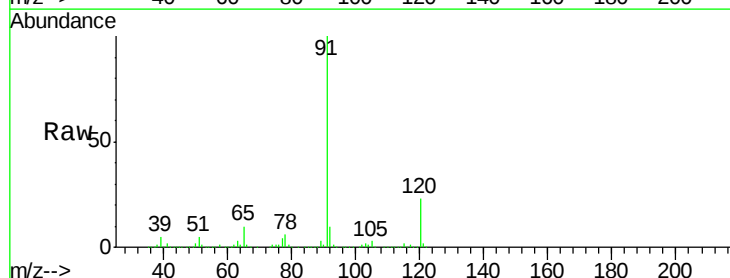
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052093.D

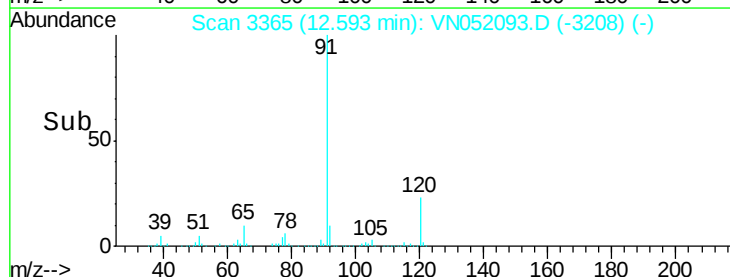
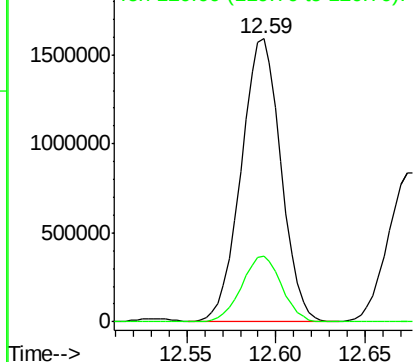
Acq: 1 Nov 2018 9:42

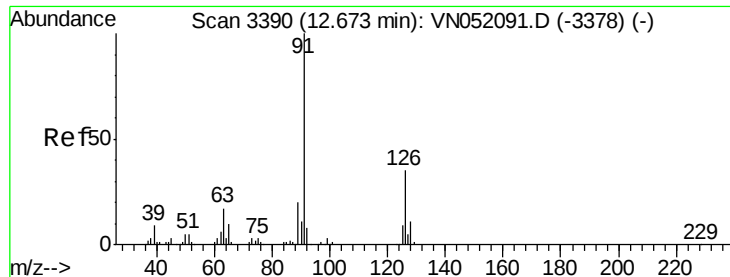
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	0.0	44.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 98.499 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052093.D

Acq: 1 Nov 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1408220

Ion Ratio Lower Upper

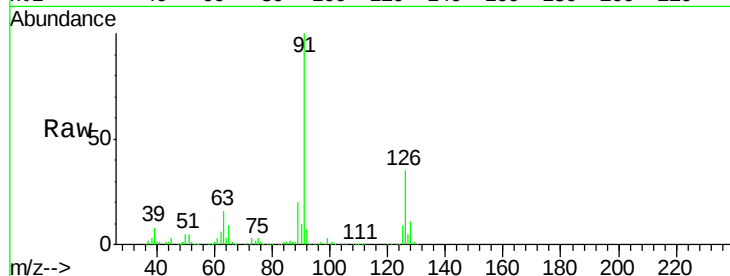
91 100

126 35.3 0.0 68.0

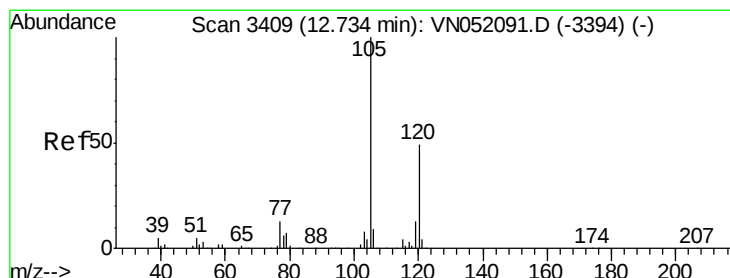
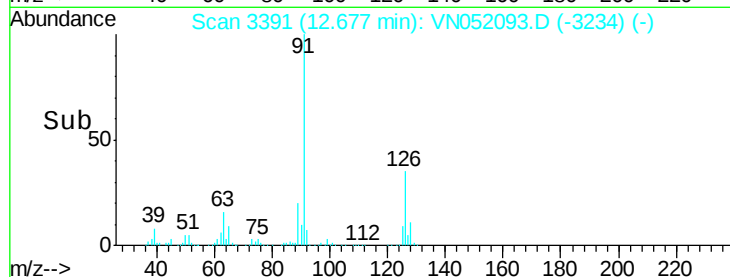
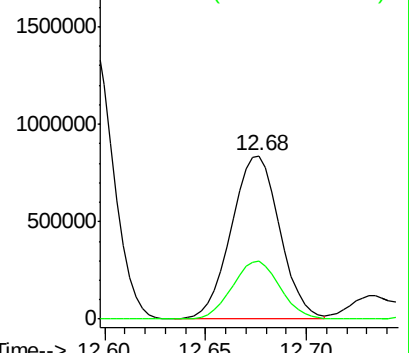
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 100.307 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052093.D

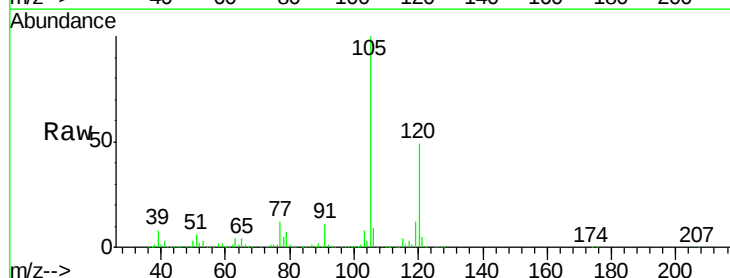
Acq: 1 Nov 2018 9:42

Tgt Ion: 105 Resp: 1712801

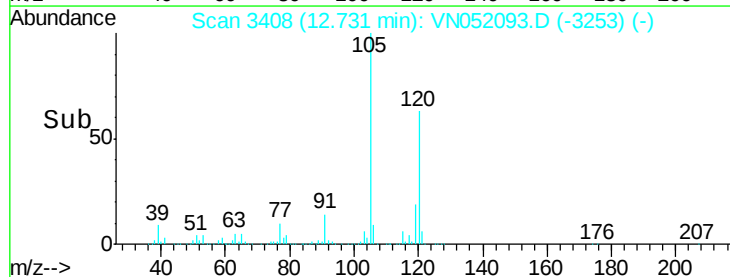
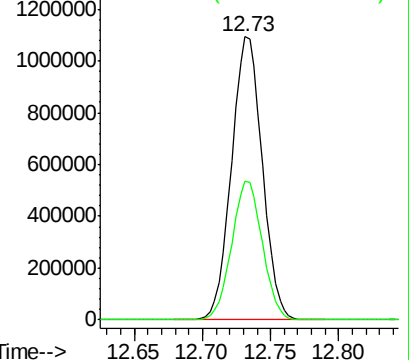
Ion Ratio Lower Upper

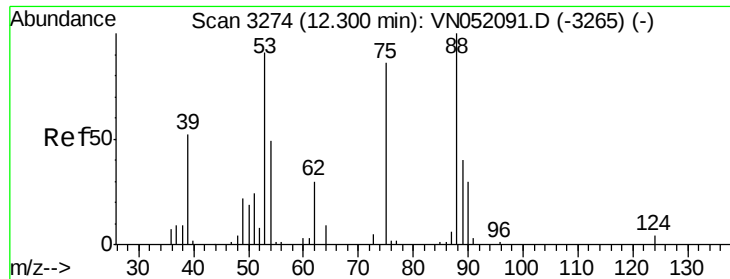
105 100

120 48.9 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): VN052091.D (-3394) (-)





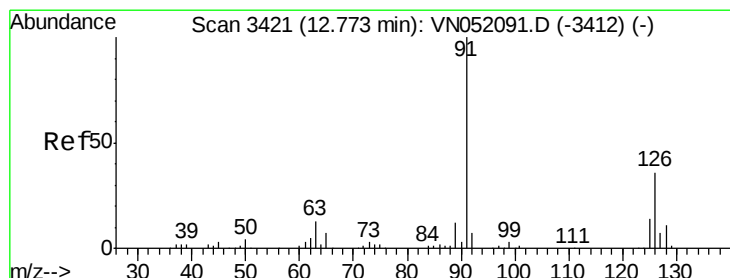
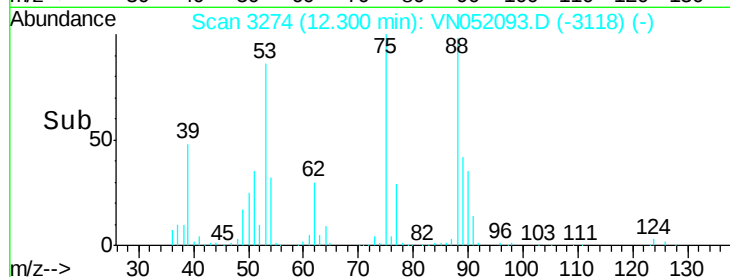
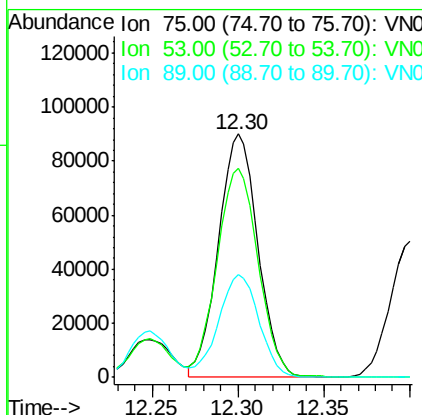
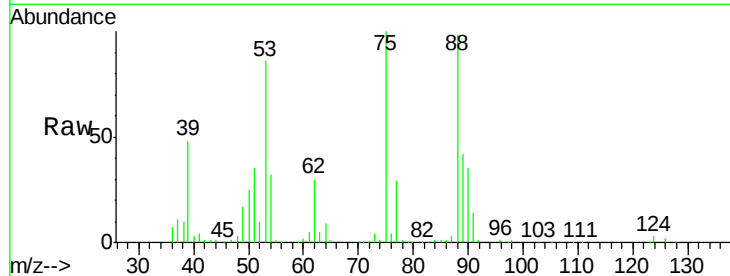
#77
t-1,4-Dichloro-2-butene
Concen: 112.148 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
75	100		
53	85.6	50.7	152.1
89	42.0	23.8	71.5

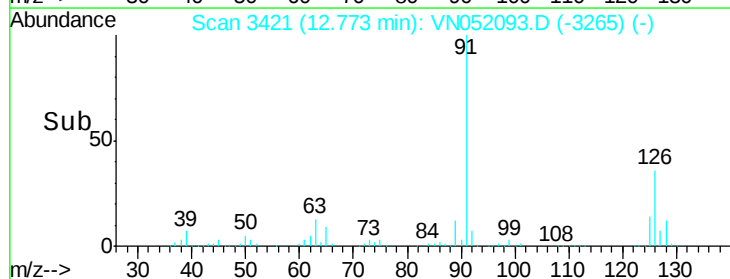
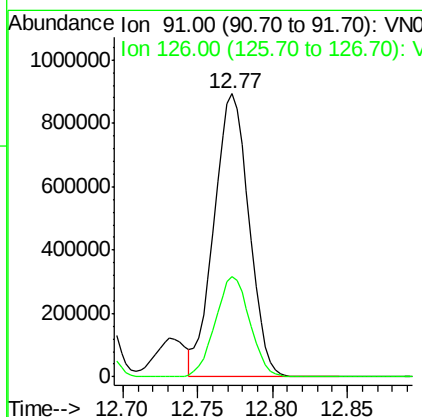
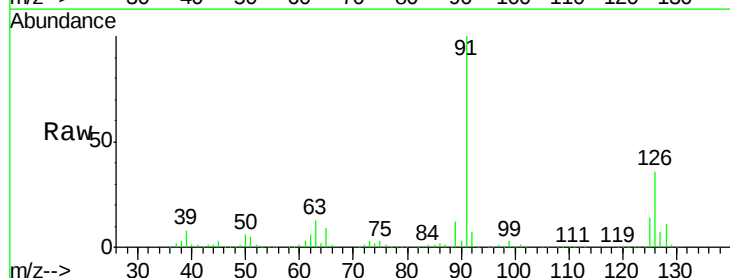
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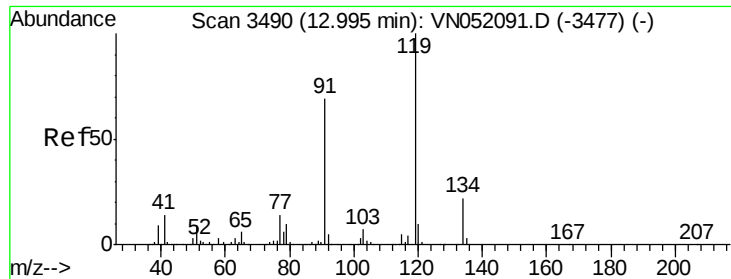
MMDadoda
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#78
4-Chlorotoluene
Concen: 100.947 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	0.0	68.0





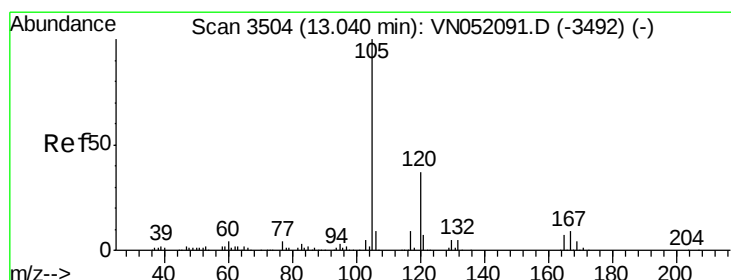
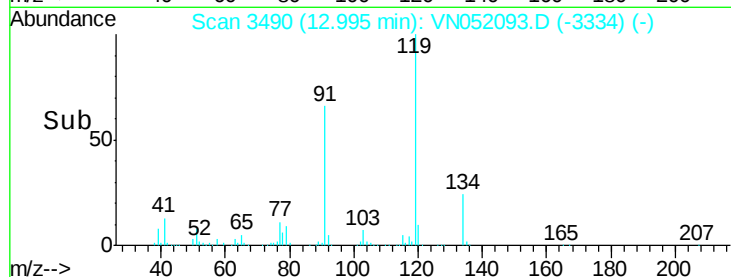
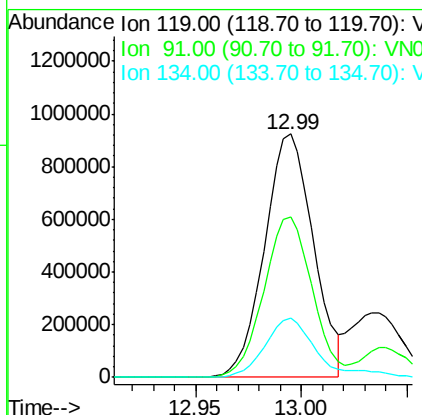
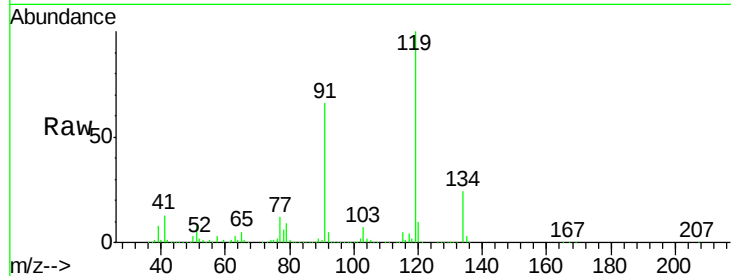
#79
tert-butylbenzene
Concen: 100.105 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:119 Resp: 1489023
Ion Ratio Lower Upper
119 100
91 65.1 0.0 131.2
134 23.8 0.0 45.8

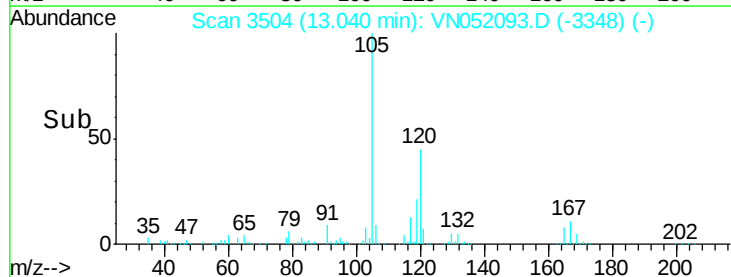
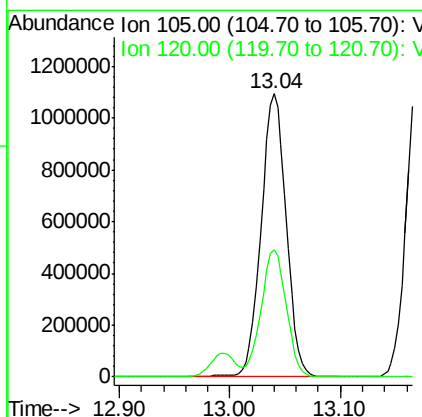
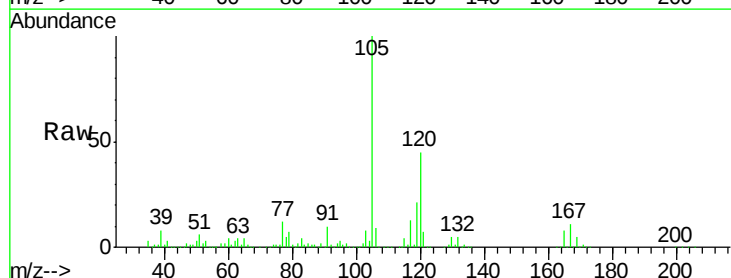
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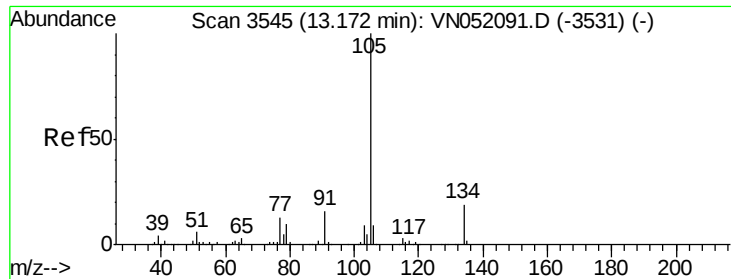
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11/2/2018 9:21:09 AM



#80
1,2,4-Trimethylbenzene
Concen: 101.714 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion:105 Resp: 1730275
Ion Ratio Lower Upper
105 100
120 45.1 0.0 89.4





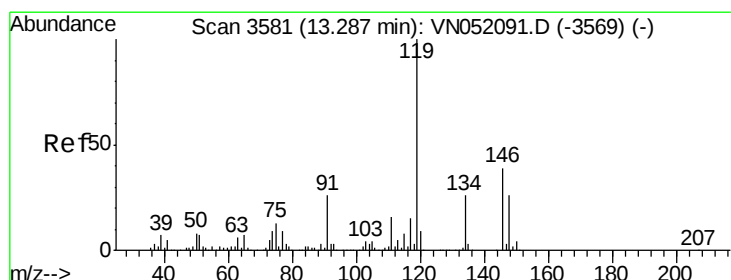
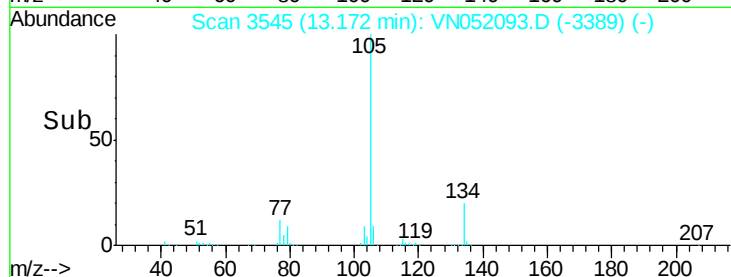
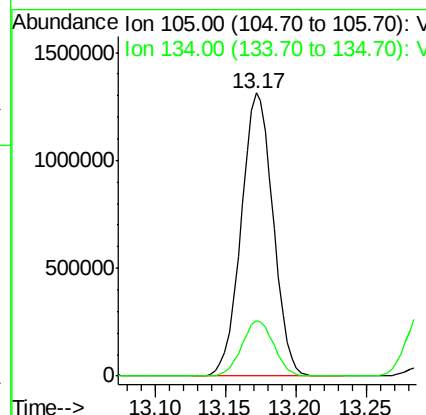
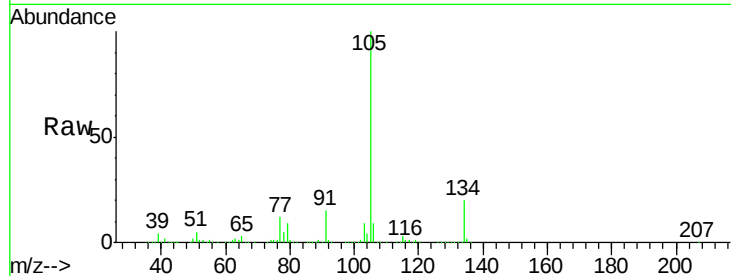
#81
 sec-Butylbenzene
 Concen: 101.515 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Tgt Ion:105 Resp: 2078043
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 38.6

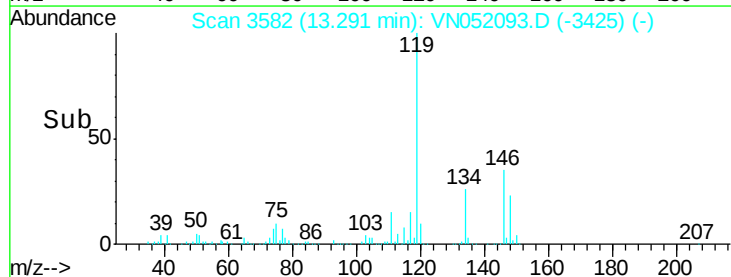
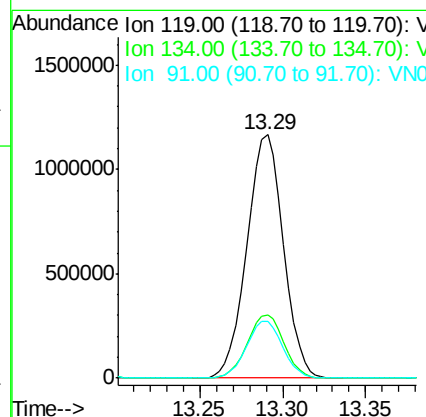
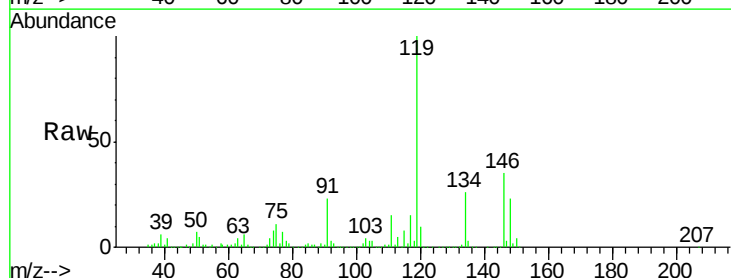
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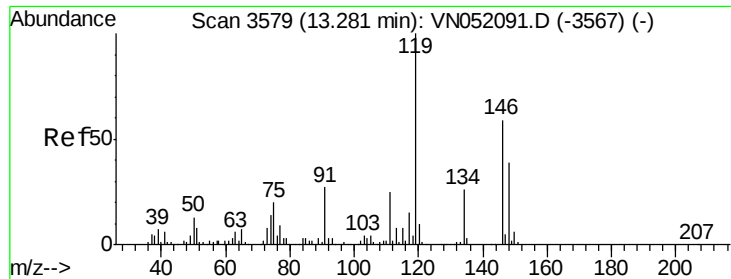
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#82
 p-Isopropyltoluene
 Concen: 102.959 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Tgt Ion:119 Resp: 1781132
 Ion Ratio Lower Upper
 119 100
 134 26.2 0.0 52.0
 91 23.3 0.0 50.8





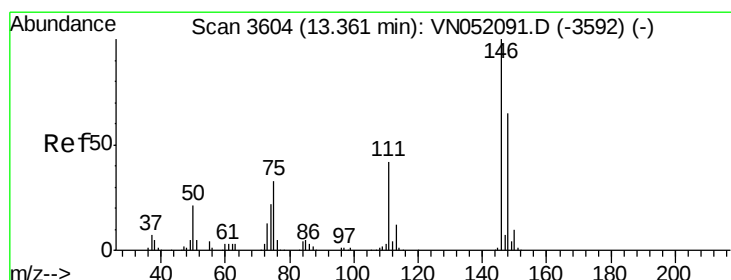
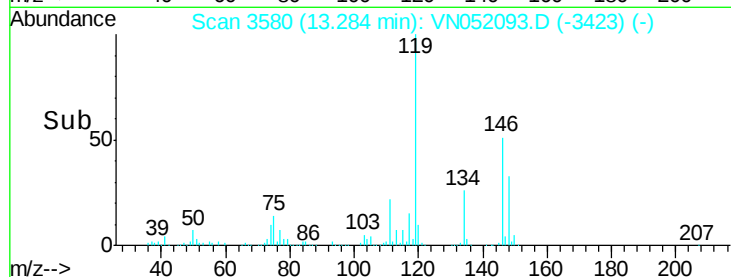
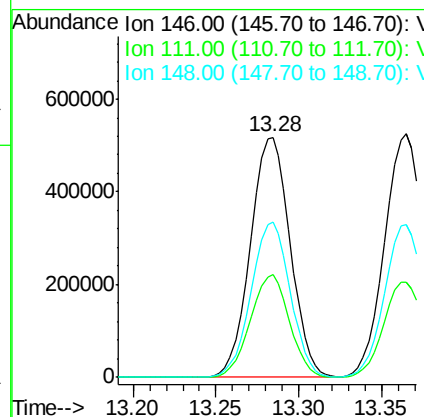
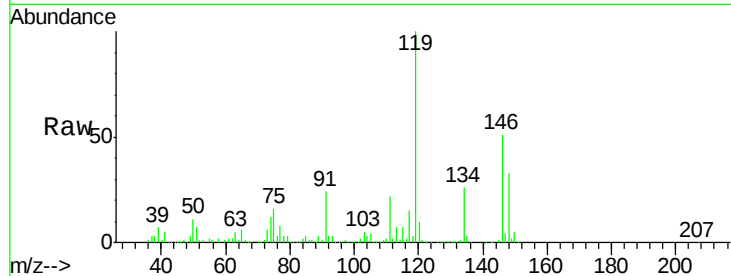
#83
 1,3-Dichlorobenzene
 Concen: 103.231 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.0	63.0
148	63.7	33.4	100.2

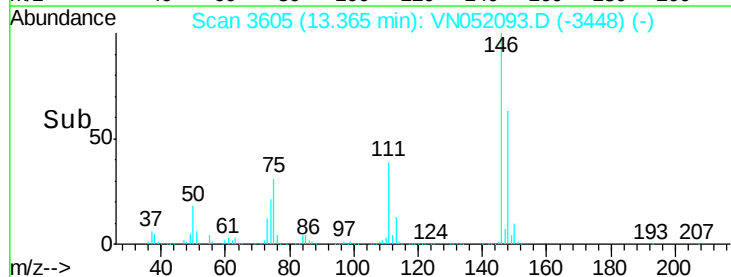
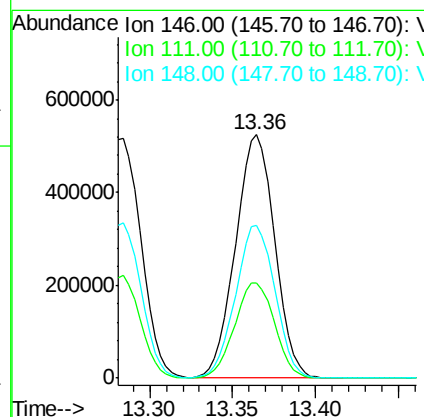
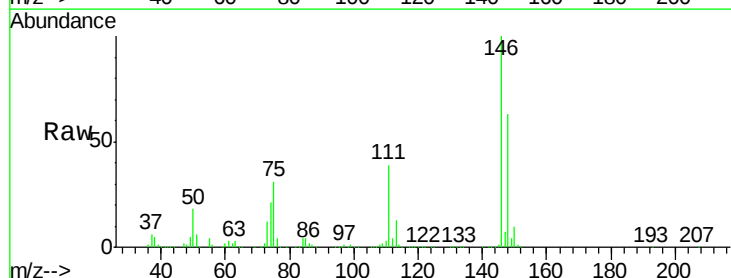
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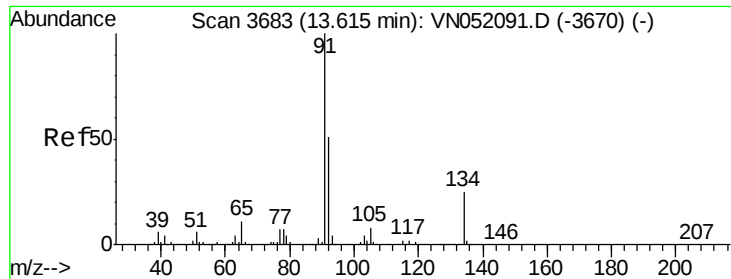
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#84
 1,4-Dichlorobenzene
 Concen: 104.448 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.4	64.2
148	63.3	32.6	98.0





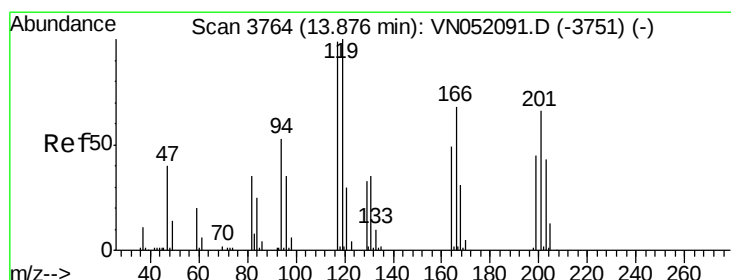
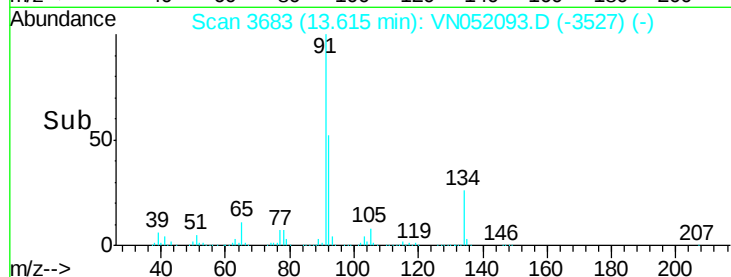
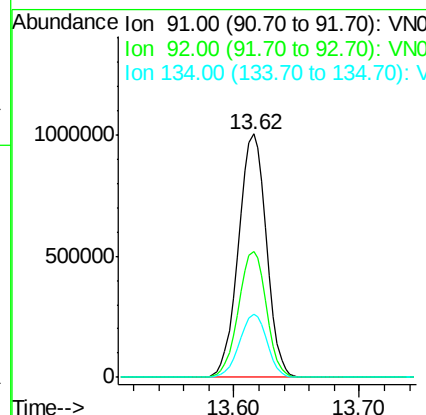
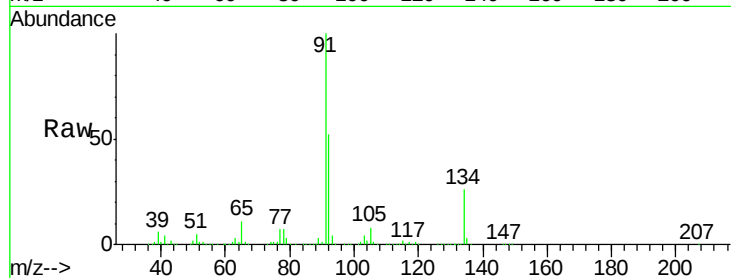
#85
n-Butylbenzene
Concen: 103.406 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 1548266
Ion Ratio Lower Upper
91 100
92 51.8 0.0 102.8
134 25.7 0.0 49.2

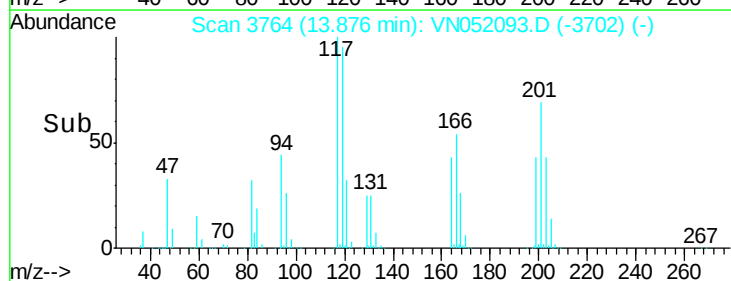
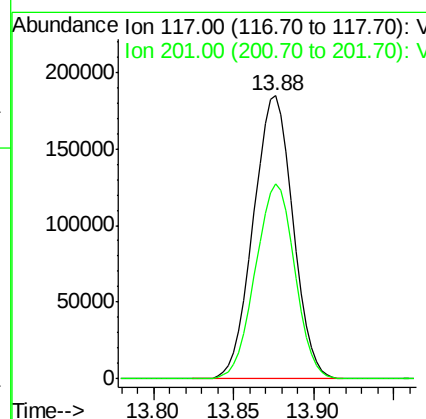
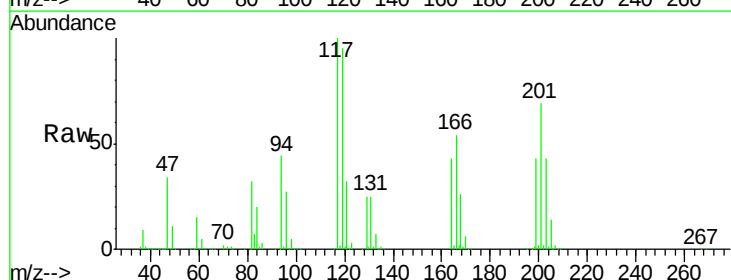
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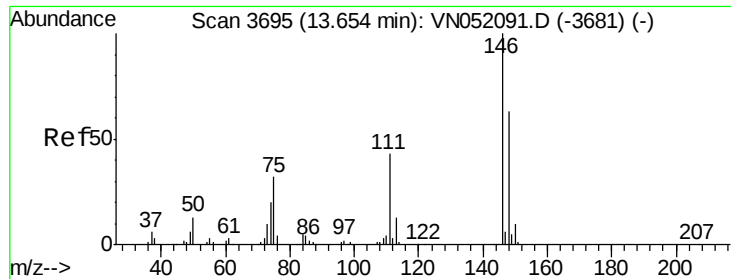
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#86
Hexachloroethane
Concen: 107.448 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion: 117 Resp: 313674
Ion Ratio Lower Upper
117 100
201 68.4 32.2 96.6





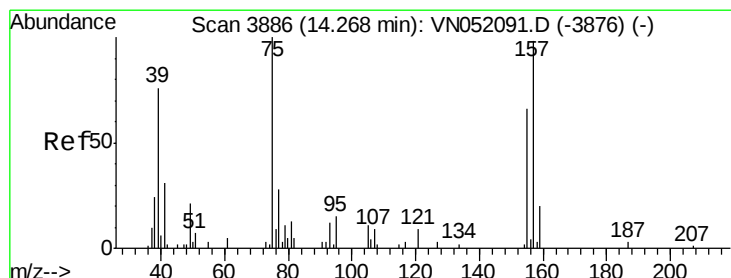
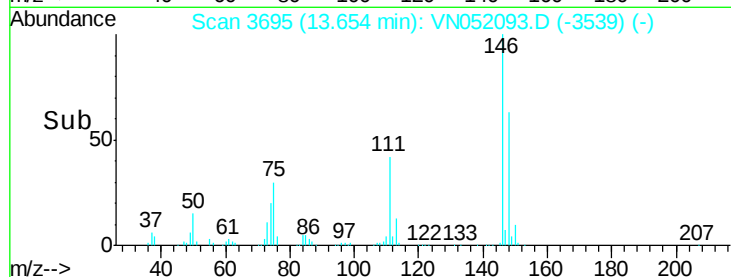
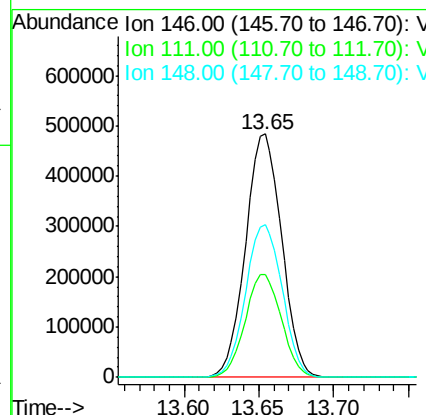
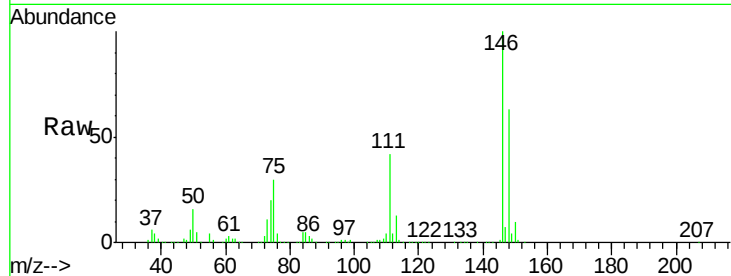
#87
 1,2-Dichlorobenzene
 Concen: 102.840 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	22.4	67.0
148	63.5	32.5	97.4

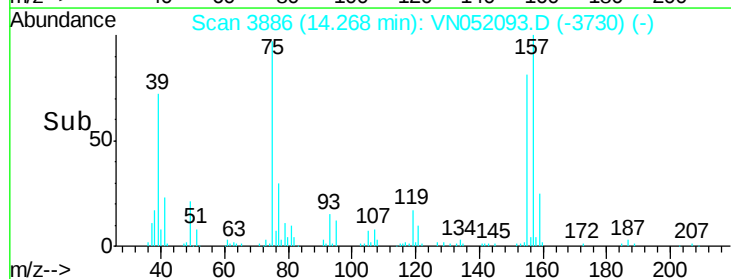
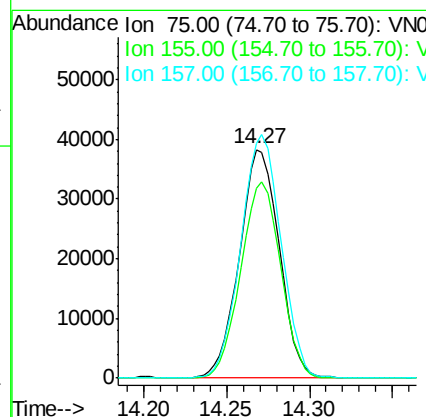
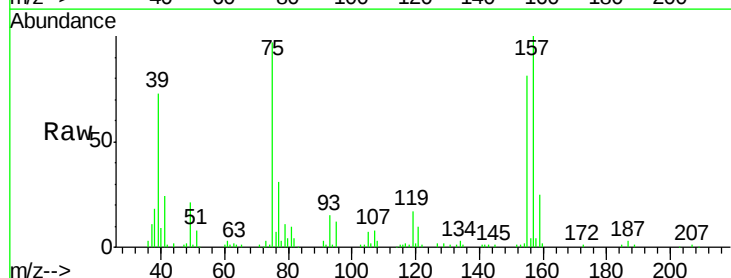
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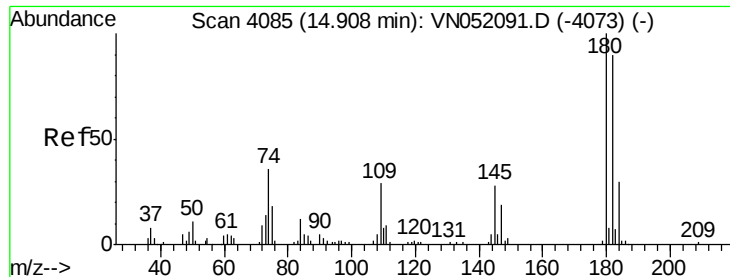
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 100.009 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	56.7	85.1#
157	107.7	80.4	120.6





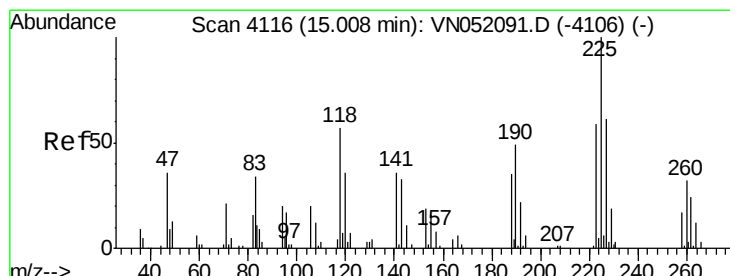
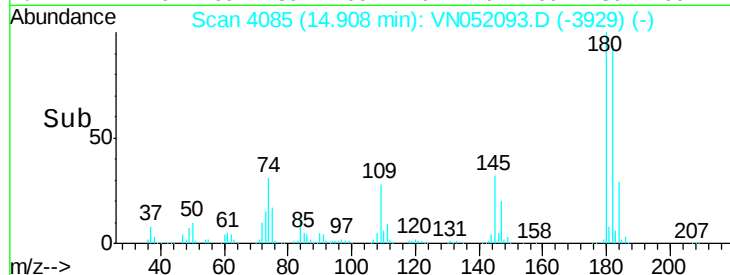
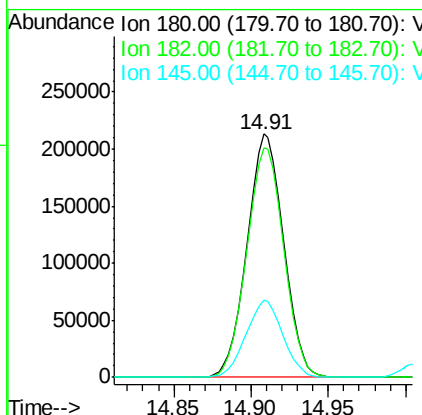
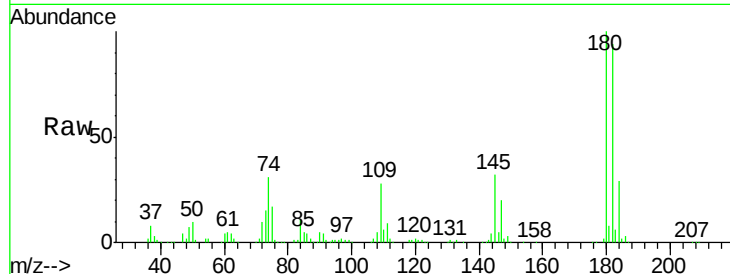
#89
 1,2,4-Trichlorobenzene
 Concen: 109.291 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.0	111.0
145	31.9	24.6	36.8

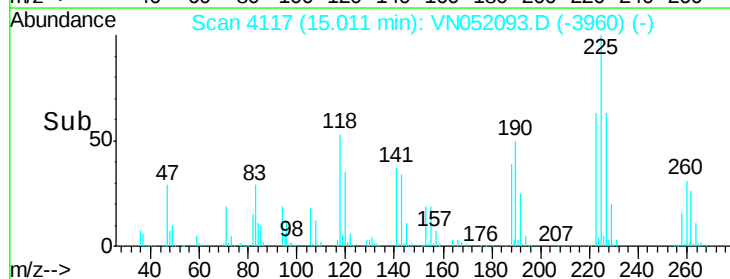
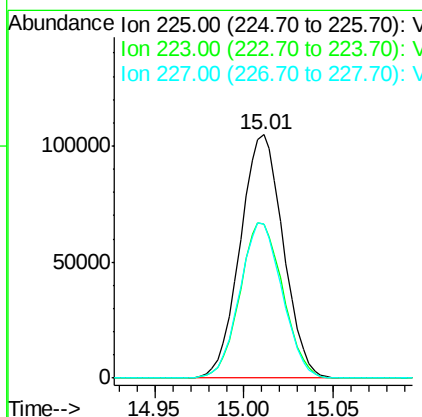
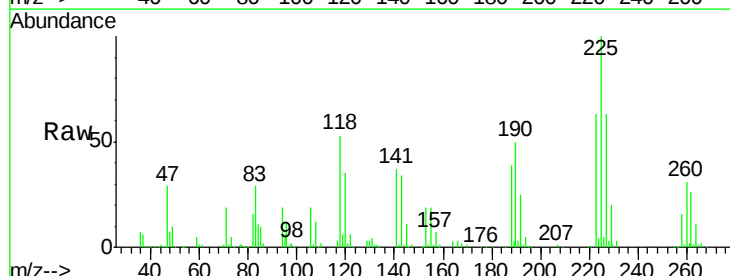
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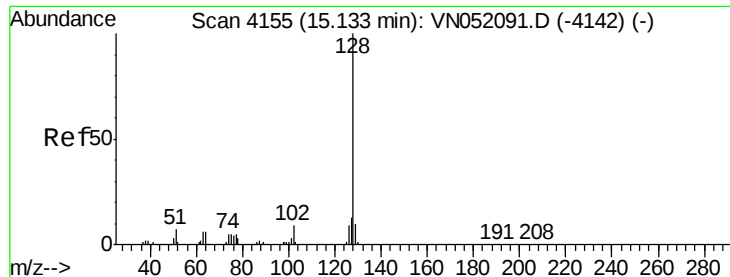
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#90
 Hexachlorobutadiene
 Concen: 100.427 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052093.D
 Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	0.0	121.2
227	62.8	0.0	127.2





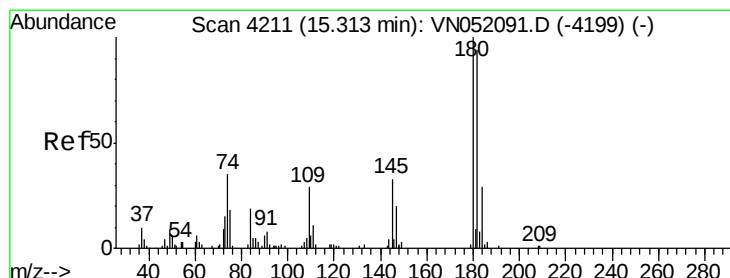
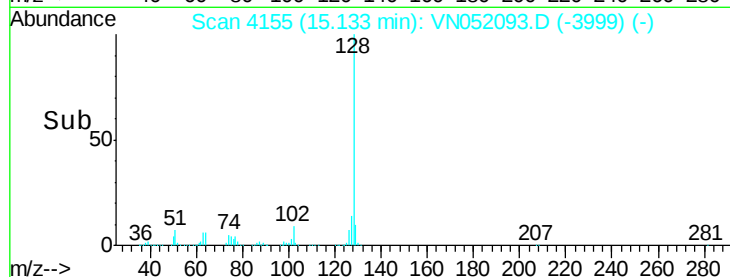
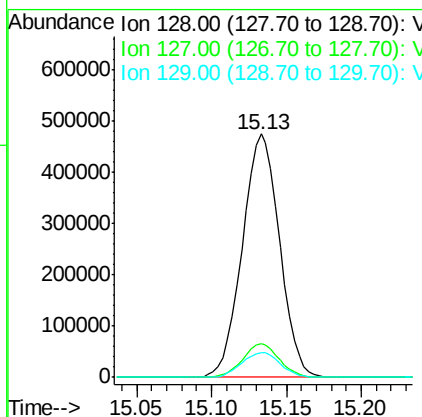
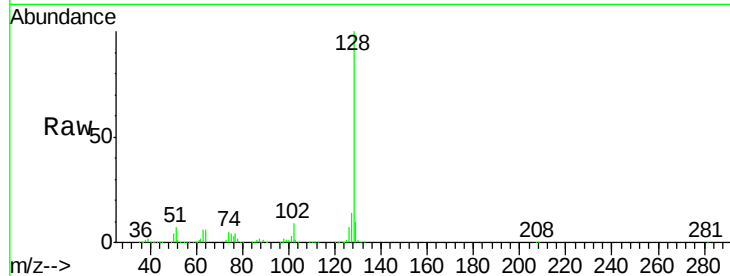
#91
Naphthalene
Concen: 110.623 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	820773		
127	13.4		10.4	15.6
129	10.6		8.3	12.5

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#92
1,2,3-Trichlorobenzene
Concen: 106.737 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052093.D
Acq: 1 Nov 2018 9:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	299449		
182	95.6		0.0	186.6
145	33.3		0.0	66.6

