

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051823.D
 Acq On : 12 Oct 2018 8:14
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:27:47 AM

Quant Time: Oct 12 09:41:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 09:34:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	135983	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	761533	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	654238	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	257773	27.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	92.37%
60) 4-Bromofluorobenzene	12.40	95	252012	25.51	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	85.03%
63) Toluene-d8	10.09	98	888227	28.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.43%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	24334	3.68	ug/l	97
3) Chloromethane	2.06	50	28349	2.47	ug/l	92
4) Vinyl Chloride	2.18	62	40887	3.31	ug/l	97
5) Bromomethane	2.57	94	39007	4.85	ug/l	82
6) Chloroethane	2.70	64	30803	4.02	ug/l	94
7) Trichlorofluoromethane	3.01	101	61804	3.82	ug/l	94
8) Diethyl Ether	3.41	74	17276	3.60	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.76	101	33968	4.16	ug/l #	36
10) 1,1-Dichloroethene	3.74	96	31508	4.22	ug/l	83
11) Methyl Iodide	3.95	142	35374	3.17	ug/l	94
12) Methyl Acetate	4.33	43	17176	2.64	ug/l #	85
13) Acrolein	3.61	56	7740	8.70	ug/l	86
14) Acrylonitrile	4.99	53	39924	14.95	ug/l #	65
15) Acetone	3.82	58	11009	16.91	ug/l	89
16) Carbon Disulfide	4.06	76	77152	3.28	ug/l	97
17) Allyl chloride	4.32	41	35459	2.71	ug/l	77
18) Methylene Chloride	4.55	84	34185	3.82	ug/l	89
19) trans-1,2-Dichloroethene	5.04	96	34324	4.22	ug/l #	80
20) Diisopropyl ether	5.95	45	82807	3.11	ug/l #	88
21) 1,1-Dichloroethane	5.85	63	58465	3.68	ug/l #	95
22) cis-1,2-Dichloroethene	6.83	96	42043	4.60	ug/l #	81
23) tert-Butyl Alcohol	4.80	59	11191m	22.41	ug/l	
24) Methyl tert-Butyl Ether	5.04	73	89091	4.37	ug/l #	68
25) Chloroform	7.37	83	67085	4.22	ug/l	96
26) Cyclohexane	7.65	56	50874	3.77	ug/l #	77
29) 1,1-Dichloropropene	7.79	75	47219	3.74	ug/l	95
30) 2-Butanone	6.84	43	52891	16.46	ug/l #	88
31) 2,2-Dichloropropane	6.83	77	57365	4.26	ug/l #	78
32) 1,1,1-Trichloroethane	7.57	97	63532	4.40	ug/l	95
33) Carbon Tetrachloride	7.77	117	54216	4.11	ug/l	93
34) Benzene	8.04	78	139663	3.71	ug/l	100
35) Methacrylonitrile	7.19	41	11045m	2.72	ug/l	
36) 1,2-Dichloroethane	8.12	62	45477	3.75	ug/l	97
37) Trichloroethene	8.83	130	43390	4.37	ug/l	96
38) Methylcyclohexane	9.08	83	62133	4.29	ug/l	80
39) 1,2-Dichloropropane	9.12	63	34263	3.35	ug/l	92
40) Dibromomethane	9.21	93	24360	4.18	ug/l	99

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 ALS Vial : 2 Sample Multiplier: 28

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Manual Integrations
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MMDadoda
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 09:34:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	47370	3.71	ug/l	94
42) Vinyl Acetate	5.90	43	269732	14.93	ug/l #	91
43) Ethyl Acetate	6.93	43	19258m	2.85	ug/l	
44) Isopropyl Acetate	8.16	43	40864	3.15	ug/l	99
45) 1,4-Dioxane	9.20	88	5896	74.39	ug/l #	75
46) Methyl methacrylate	9.20	41	18854	2.93	ug/l	81
47) n-amyl Acetate	12.07	43	27293	2.65	ug/l #	73
48) t-1,3-Dichloropropene	10.38	75	43273	3.44	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	48604	3.31	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	31300	3.77	ug/l	93
51) Ethyl methacrylate	10.43	69	33172	3.41	ug/l	87
52) 1,3-Dichloropropane	10.71	76	50149	3.58	ug/l	97
53) Dibromochloromethane	10.90	129	35837	3.75	ug/l	90
54) 1,2-Dibromoethane	11.00	107	31956	4.01	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	61787	12.74	ug/l #	93
56) Bromoform	12.13	173	19273	3.01	ug/l #	89
58) 4-Methyl-2-Pentanone	9.99	43	108482	16.04	ug/l #	88
59) 2-Hexanone	10.75	43	74612	16.94	ug/l #	91
61) Tetrachloroethene	10.63	164	42618	4.75	ug/l	97
62) Toluene	10.16	91	156942	3.97	ug/l	96
64) Chlorobenzene	11.43	112	99982	4.14	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	36349	3.88	ug/l	97
66) Ethyl Benzene	11.51	91	167029	4.12	ug/l	98
67) m/p-Xylenes	11.62	106	131708	8.35	ug/l	99
68) o-Xylene	11.95	106	66184	4.41	ug/l	90
69) Styrene	11.96	104	91785	3.87	ug/l	97
70) Isopropylbenzene	12.25	105	176320	4.39	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	33835	3.63	ug/l	96
72) 1,2,3-Trichloropropane	12.56	75	28307m	3.51	ug/l	
73) Bromobenzene	12.53	156	38585	3.85	ug/l	88
74) n-propylbenzene	12.59	91	178869	3.84	ug/l	96
75) 2-Chlorotoluene	12.67	91	109740	3.99	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	138012	4.15	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	6842	2.72	ug/l	96
78) 4-Chlorotoluene	12.77	91	97010	3.55	ug/l	95
79) tert-butylbenzene	12.99	119	134132	4.66	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	134498	4.01	ug/l	99
81) sec-Butylbenzene	13.17	105	167518	4.22	ug/l	96
82) p-Isopropyltoluene	13.29	119	140662	4.10	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	60889	3.46	ug/l	96
84) 1,4-Dichlorobenzene	13.36	146	53165	3.21	ug/l	98
85) n-Butylbenzene	13.62	91	89967	3.24	ug/l	95
86) Hexachloroethane	13.87	117	24443	3.59	ug/l	85
87) 1,2-Dichlorobenzene	13.65	146	60944	3.62	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	4862	3.56	ug/l #	90
89) 1,2,4-Trichlorobenzene	14.91	180	17707	2.17	ug/l	96
90) Hexachlorobutadiene	15.01	225	23982	3.74	ug/l	97
91) Naphthalene	15.13	128	39433	2.63	ug/l	97
92) 1,2,3-Trichlorobenzene	15.32	180	19304	2.35	ug/l	97

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ALS Vial : 2 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

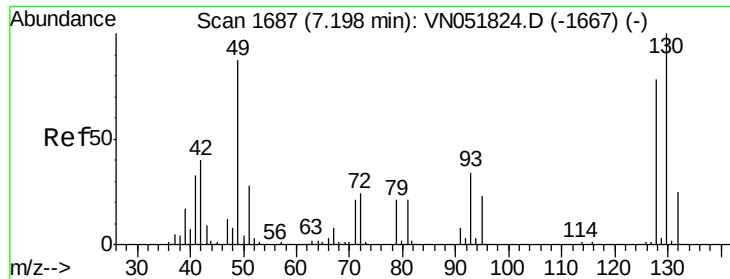
Manual Integrations
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QLast Update : Fri Oct 12 09:34:35 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



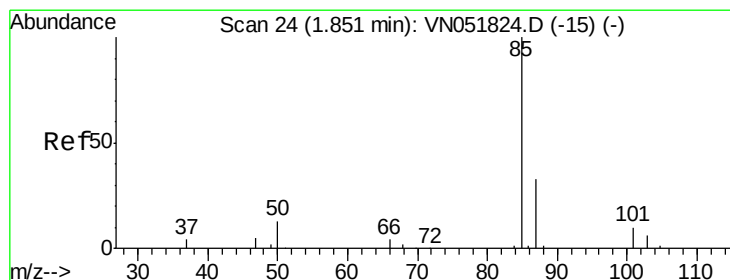
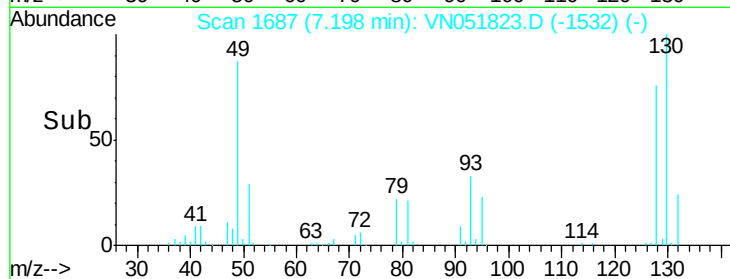
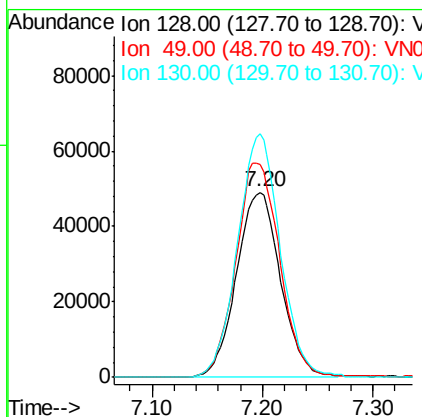
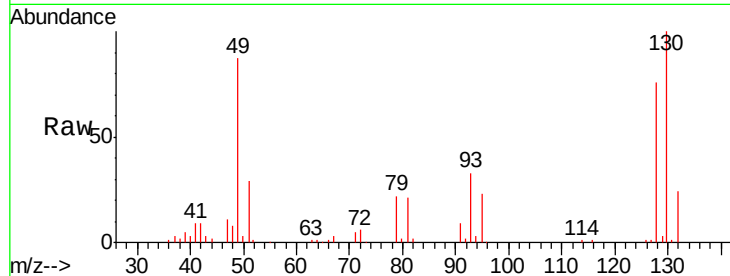
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	135983		
49	115.7	0.0	403.3	
130	127.0	0.0	326.0	

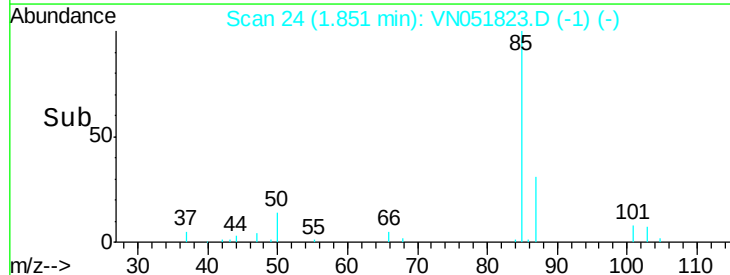
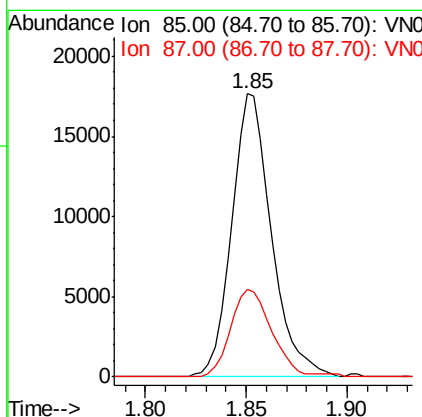
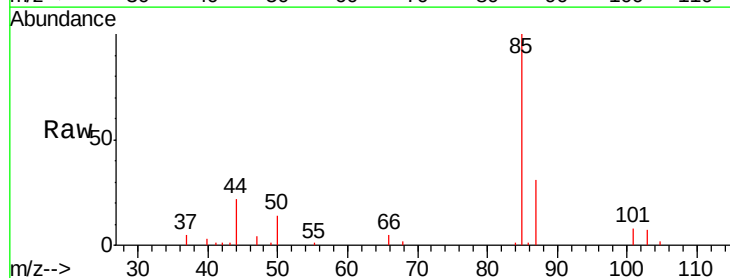
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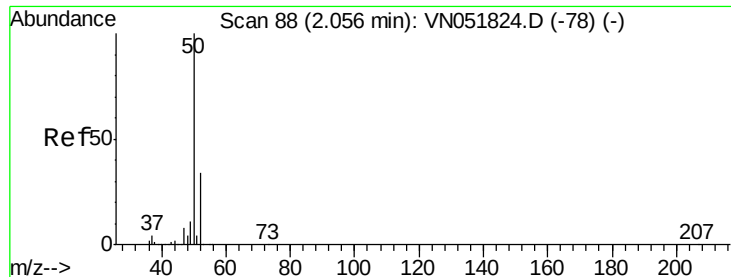
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#2
Dichlorodifluoromethane
Concen: 3.68 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	24334		
87	31.0	16.3	48.8	





#3

Chloromethane

Concen: 2.47 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 28349

Ion Ratio Lower Upper

50 100

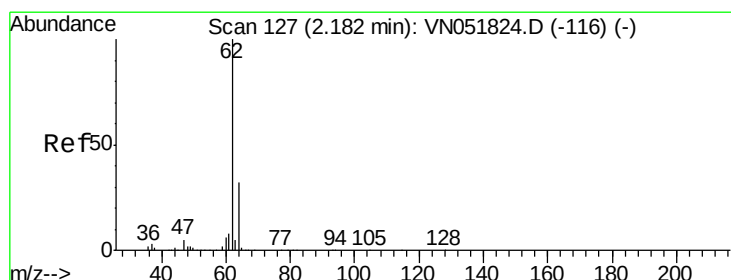
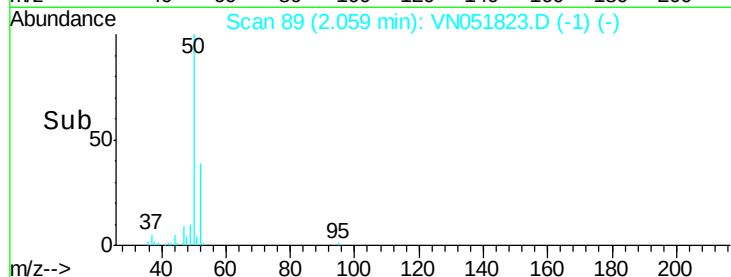
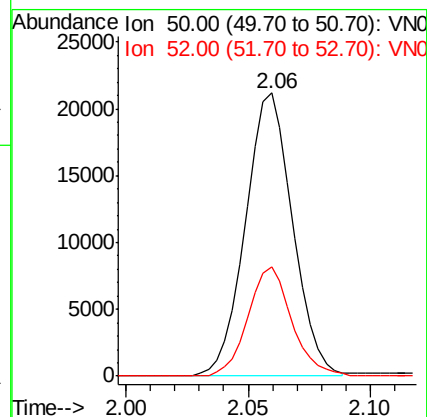
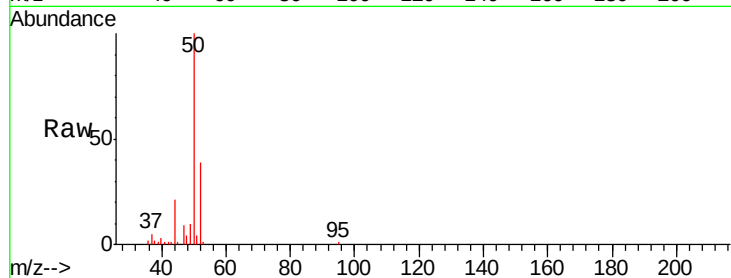
52 38.5 27.2 40.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 3.31 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051823.D

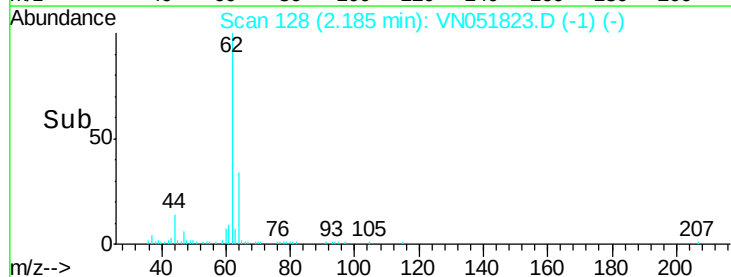
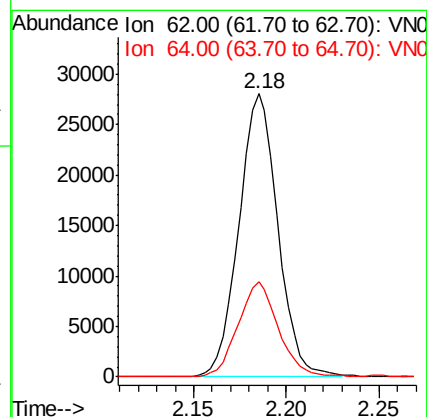
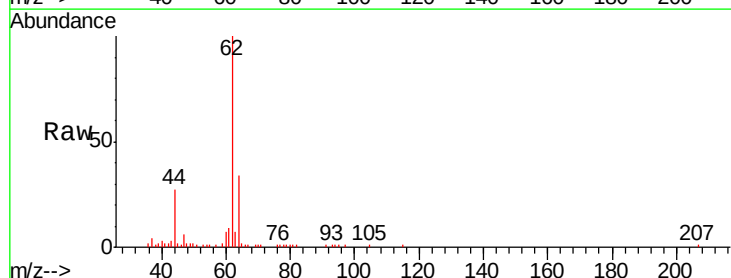
Acq: 12 Oct 2018 8:14

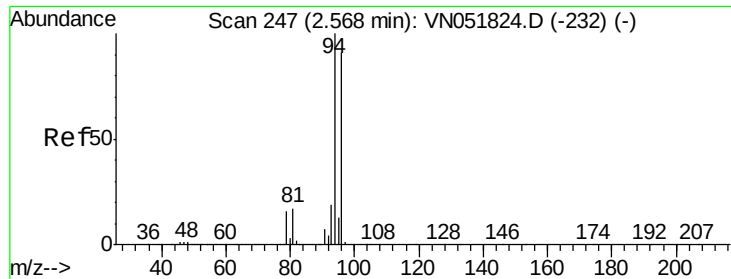
Tgt Ion: 62 Resp: 40887

Ion Ratio Lower Upper

62 100

64 33.6 25.4 38.2





#5

Bromomethane

Concen: 4.85 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 39007

Ion Ratio Lower Upper

94 100

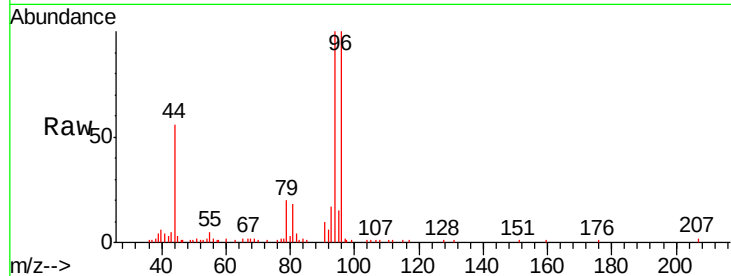
96 98.8 66.4 99.6

Manual Integrations

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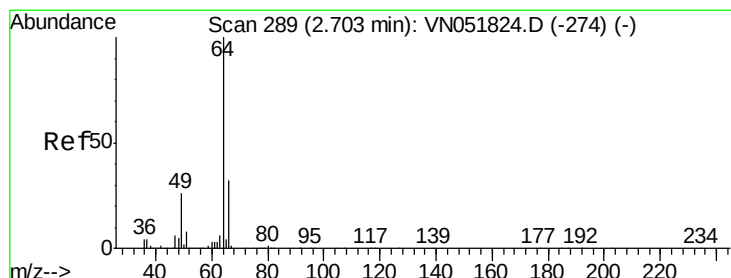
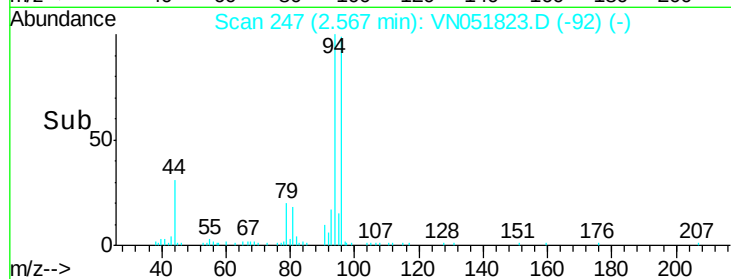
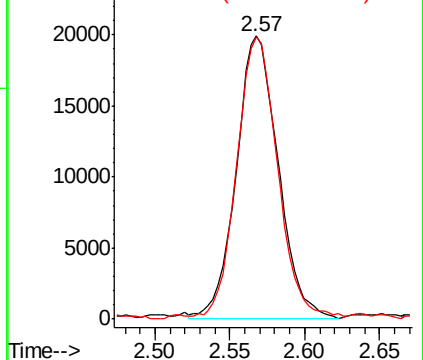
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 4.02 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051823.D

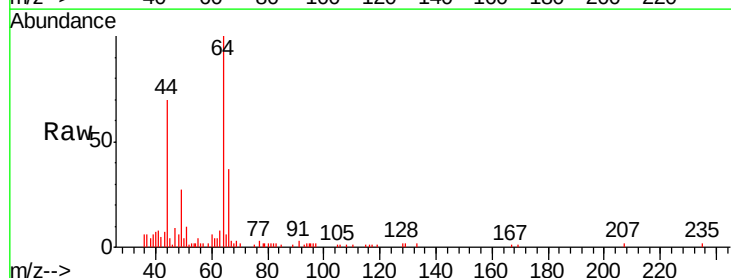
Acq: 12 Oct 2018 8:14

Tgt Ion: 64 Resp: 30803

Ion Ratio Lower Upper

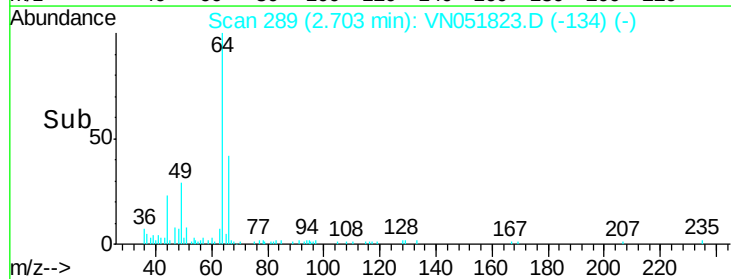
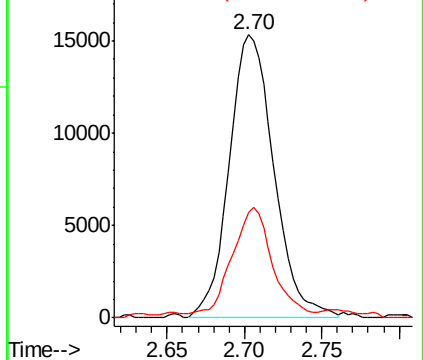
64 100

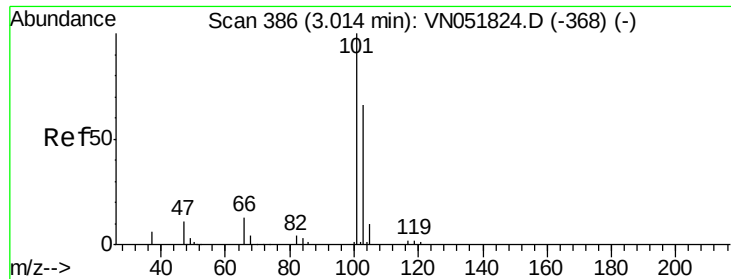
66 35.8 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

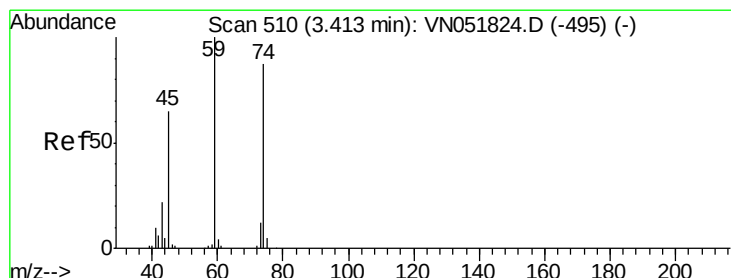
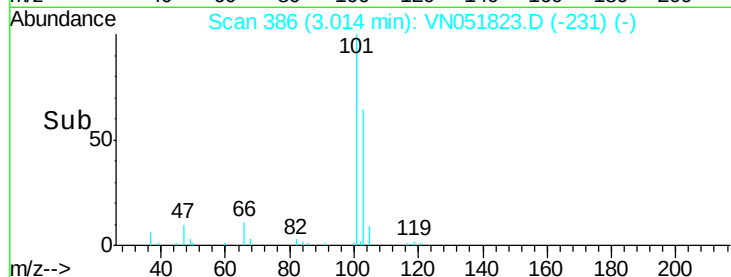
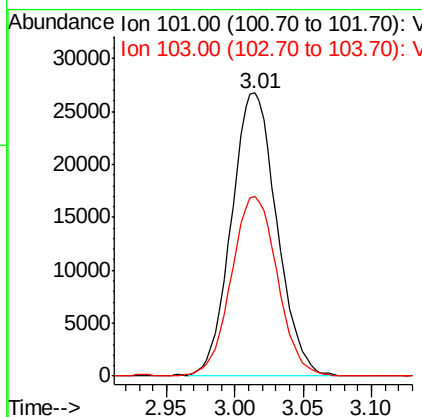
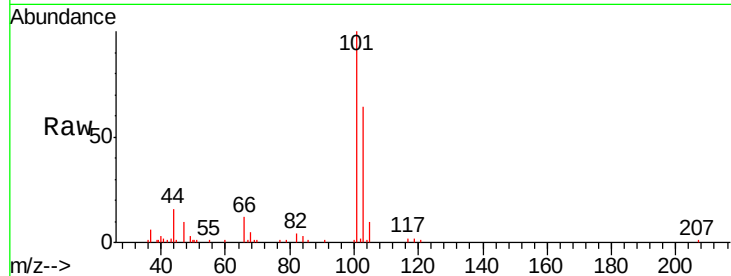
Trichlorofluoromethane
Concen: 3.82 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	61804		
103	63.7	54.8	82.2	

Manual Integrations
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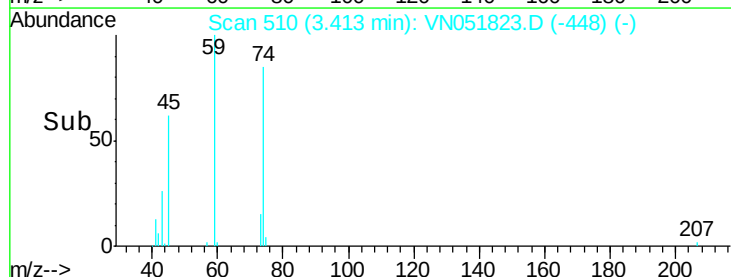
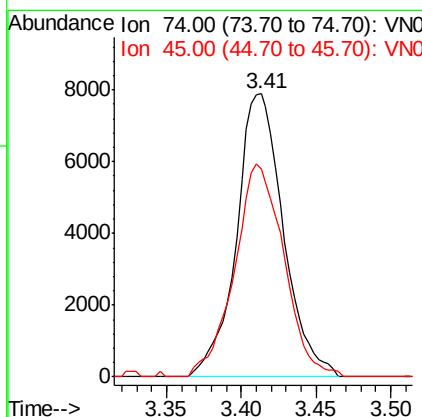
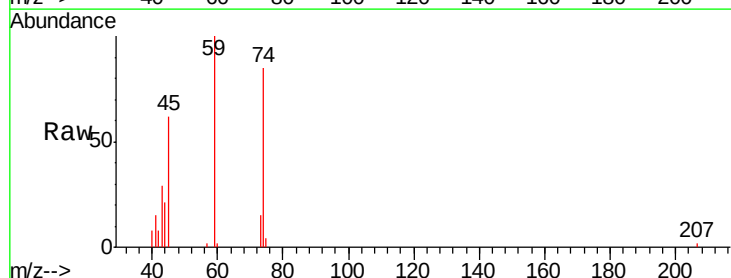
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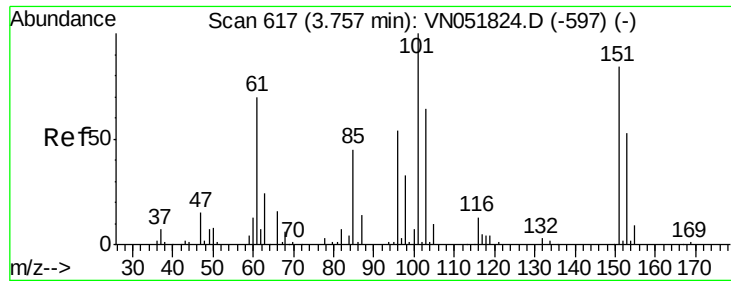


#8

Diethyl Ether
Concen: 3.60 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	17276		
45	78.6	20.7	186.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.16 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

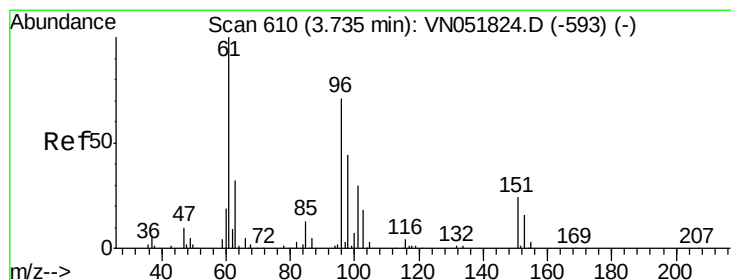
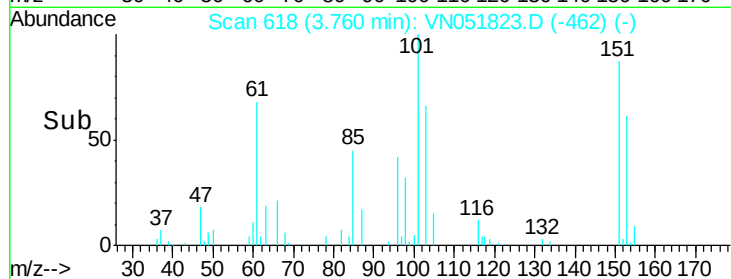
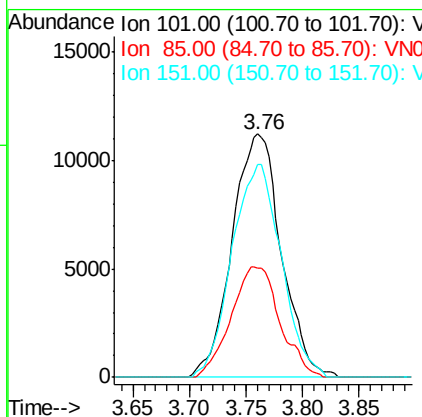
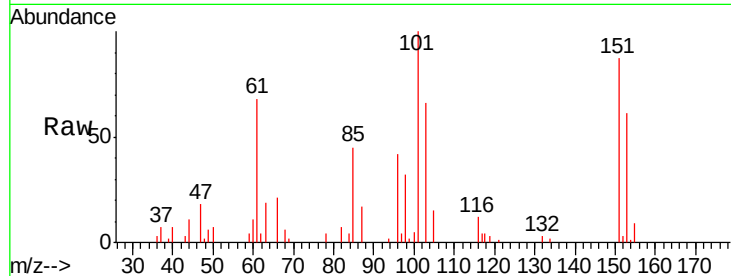
ClientSampleId :

VSTDIC005

Tgt Ion:	101	Resp:	33968
Ion Ratio	Lower	Upper	
101	100		
85	45.0	0.0	46.0
151	87.5	0.0	82.2#

Manual Integrations
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MMDadoda
10/15/2018 11:27:47 AM



#10

1,1-Dichloroethene

Concen: 4.22 ug/l

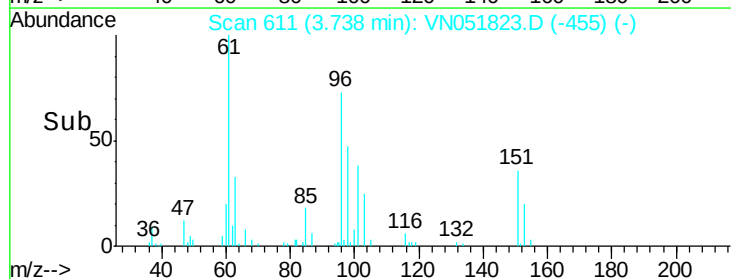
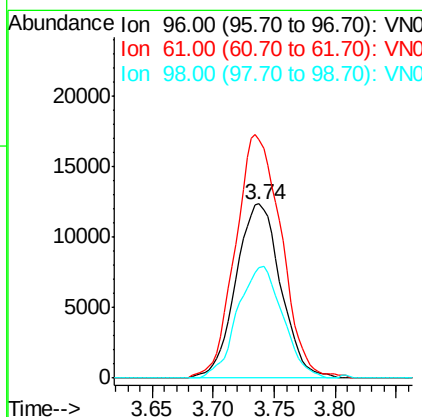
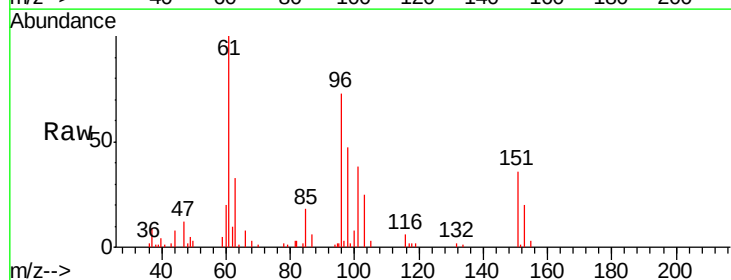
RT: 3.74 min Scan# 611

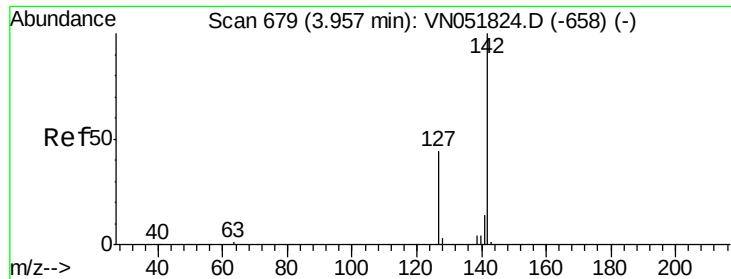
Delta R.T. 0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Tgt Ion:	96	Resp:	31508
Ion Ratio	Lower	Upper	
96	100		
61	136.5	133.0	199.6
98	63.6	52.6	78.8





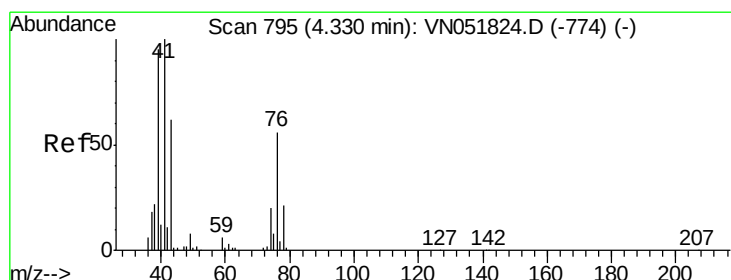
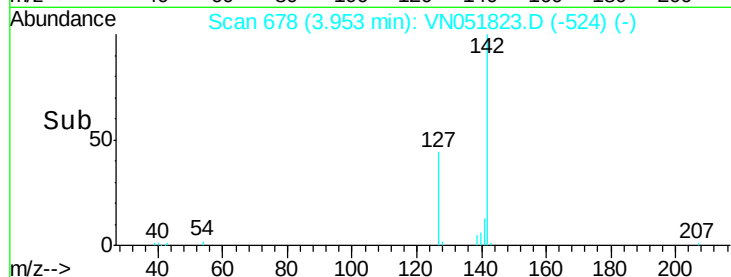
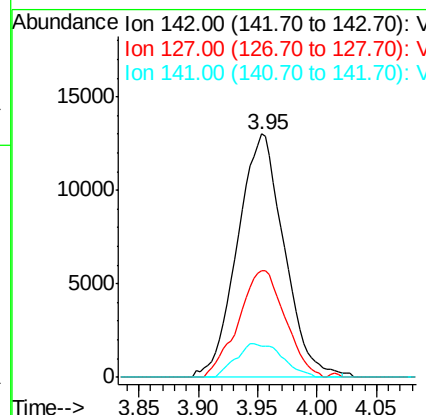
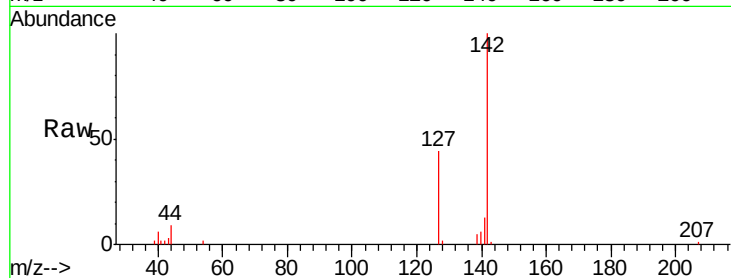
#11
Methyl Iodide
Concen: 3.17 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.1	19.7	59.0
141	12.9	6.3	18.9

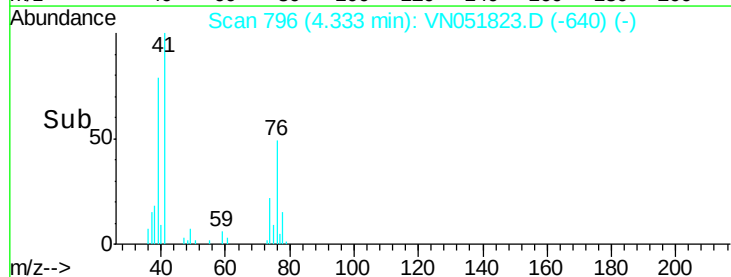
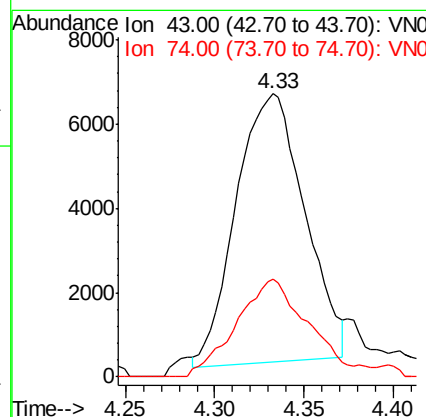
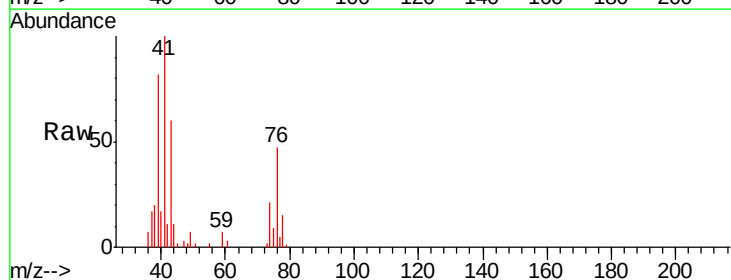
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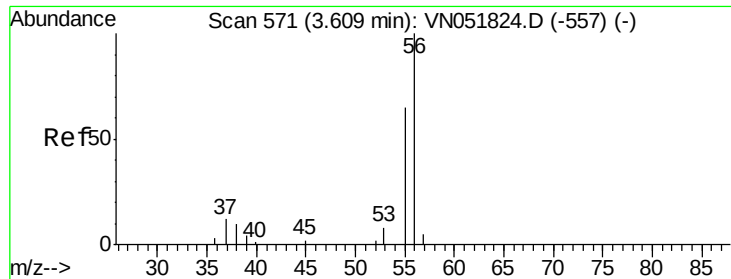
MMDadoda
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#12
Methyl Acetate
Concen: 2.64 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	35.2	21.8	32.6#





#13

Acrolein

Concen: 8.70 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 7740

Ion Ratio Lower Upper

56 100

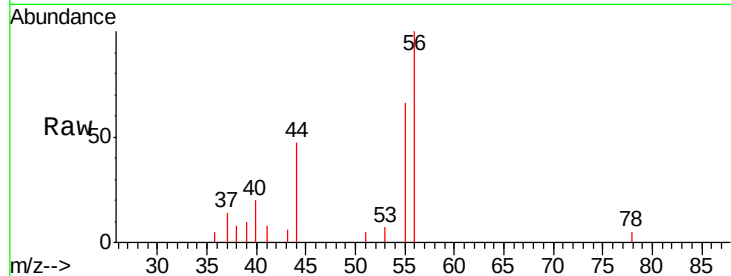
55 67.4 64.0 96.0

Manual Integrations

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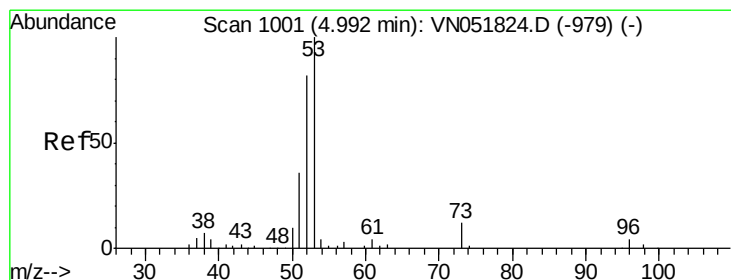
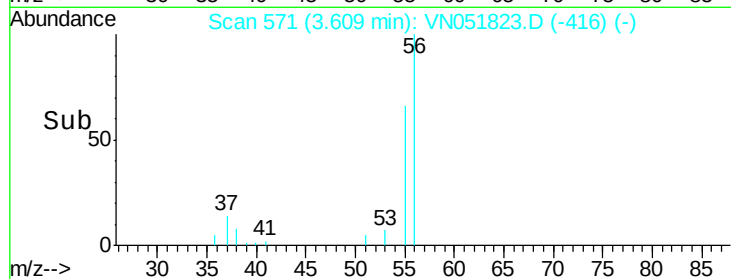
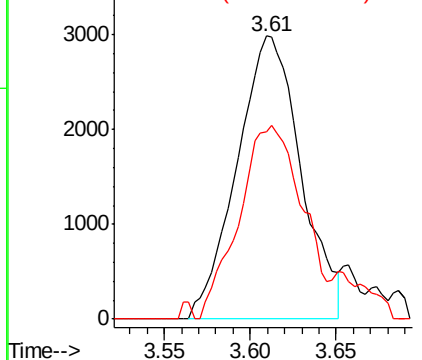
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 14.95 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

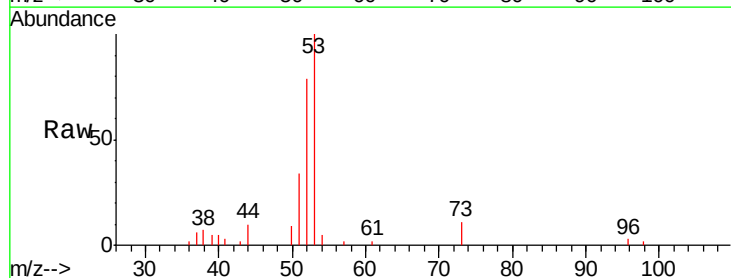
Tgt Ion: 53 Resp: 39924

Ion Ratio Lower Upper

53 100

52 77.3 18.3 54.8#

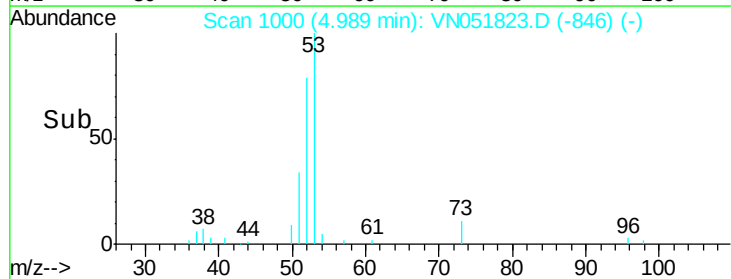
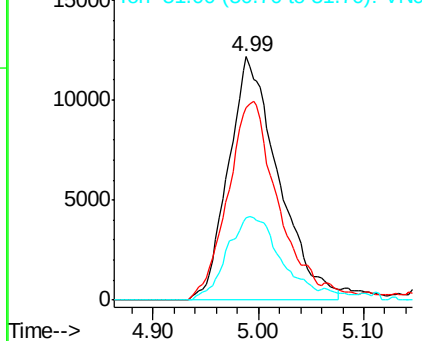
51 36.7 19.7 59.1

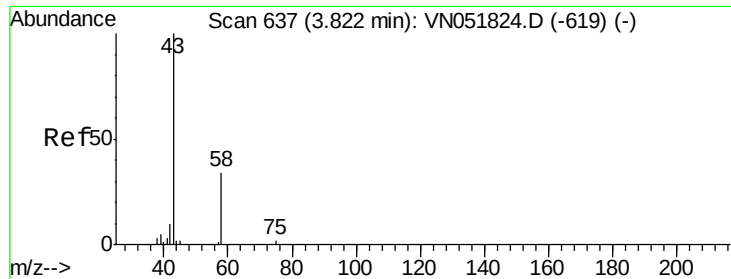


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 16.91 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 58 Resp: 11009

Ion Ratio Lower Upper

58 100

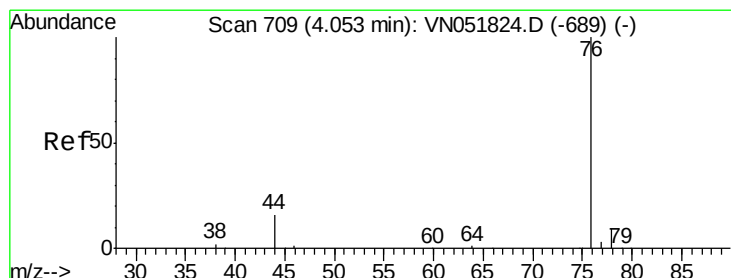
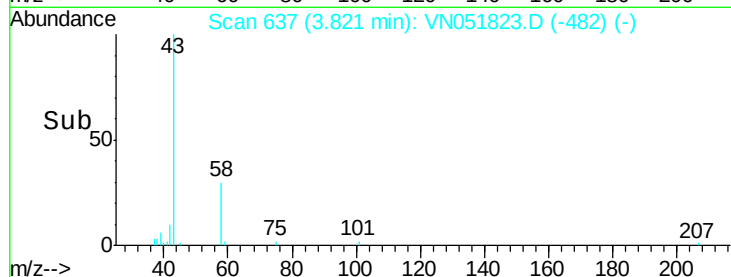
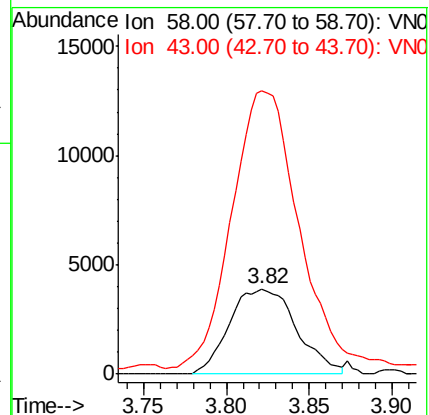
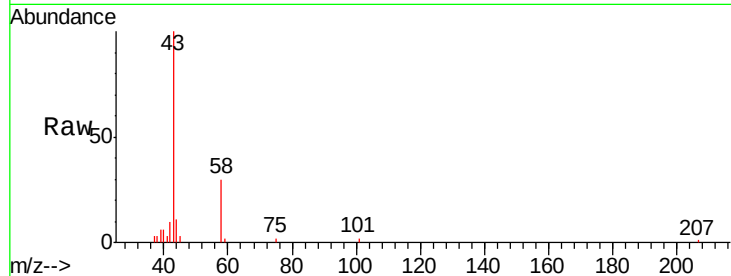
43 310.9 232.2 348.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 3.28 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN051823.D

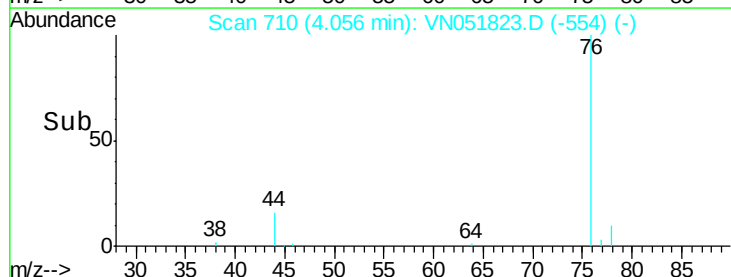
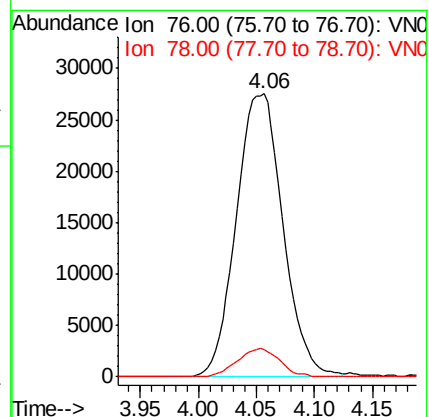
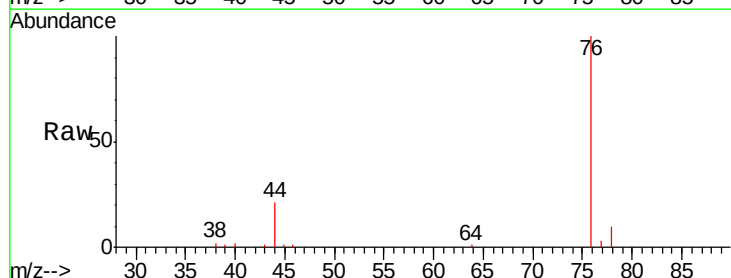
Acq: 12 Oct 2018 8:14

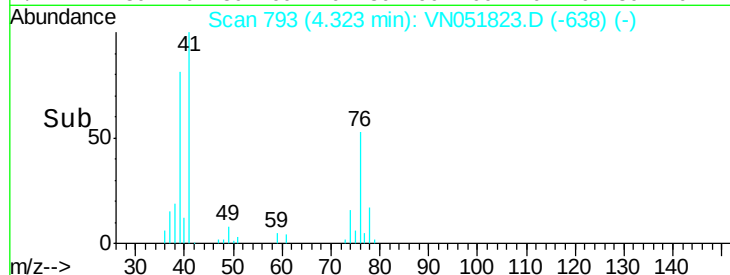
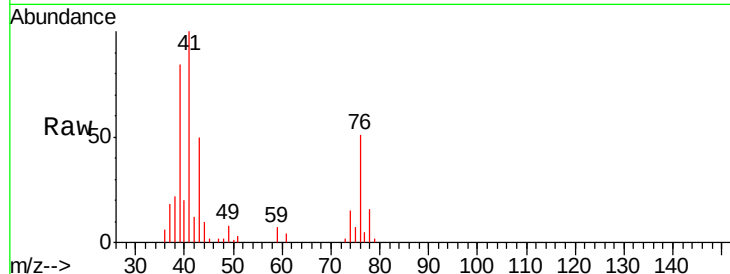
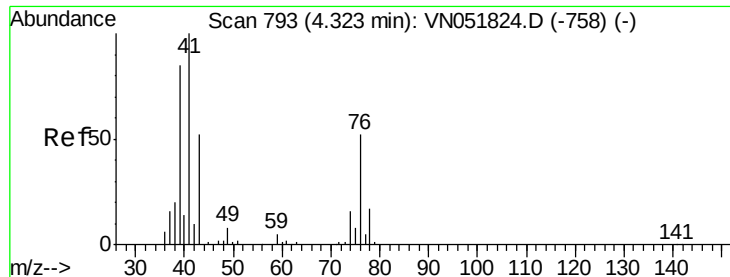
Tgt Ion: 76 Resp: 77152

Ion Ratio Lower Upper

76 100

78 9.5 6.7 10.1





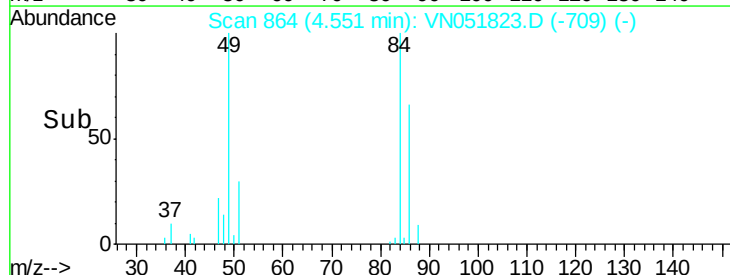
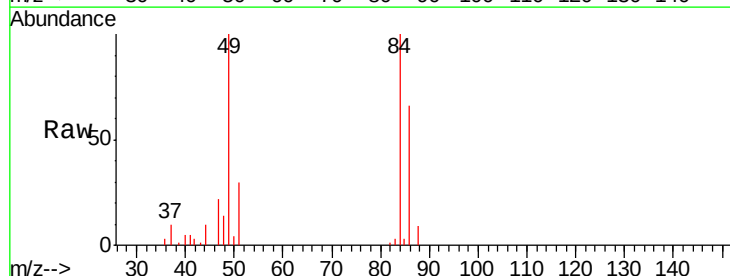
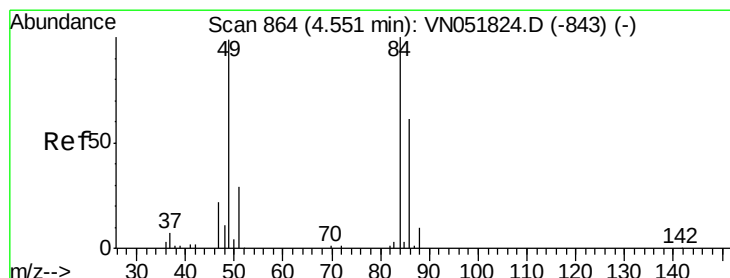
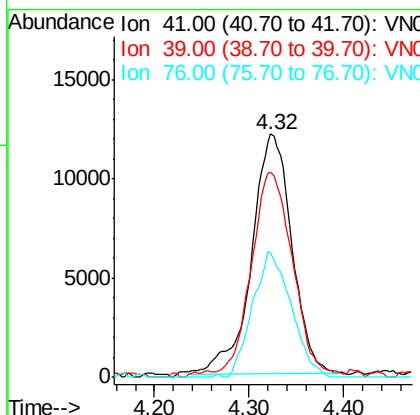
#17
 Allyl chloride
 Concen: 2.71 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	84.6	32.6	97.8
76	52.4	20.2	60.5

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

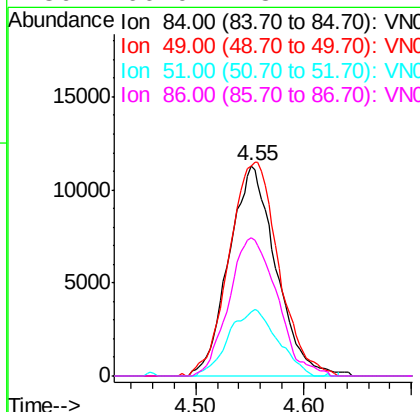
Manual Integrations
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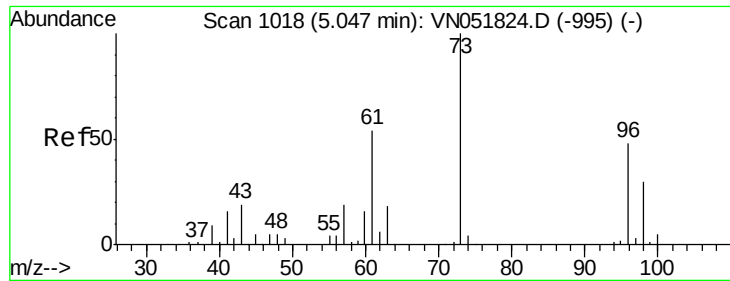
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#18
 Methylene Chloride
 Concen: 3.82 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	100.1	91.6	137.4
51	30.5	29.8	44.6
86	66.0	48.2	72.4





#19

trans-1,2-Dichloroethene

Concen: 4.22 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

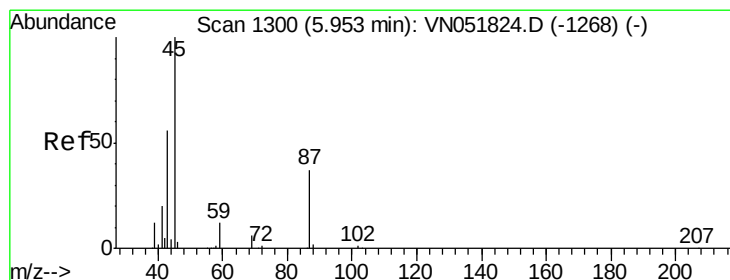
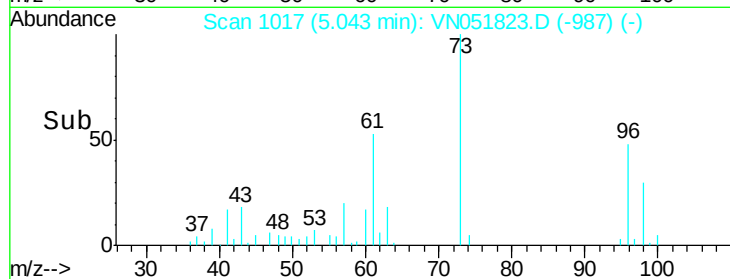
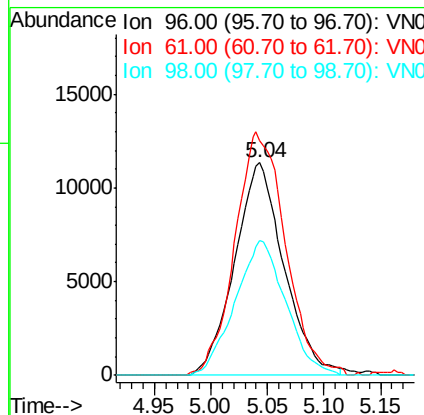
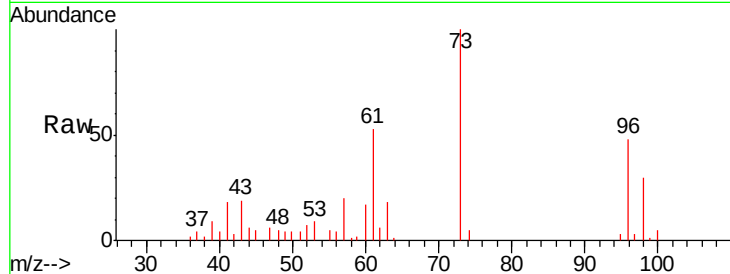
ClientSampleId :

VSTDIC005

Tgt Ion	Ratio	Lower	Upper
96	100		
61	109.3	112.3	168.5#
98	63.6	47.1	70.7

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#20

Diisopropyl ether

Concen: 3.11 ug/l

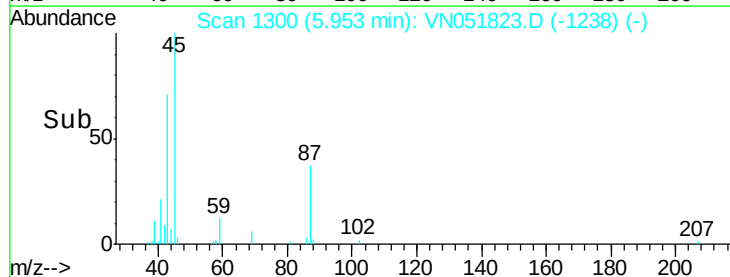
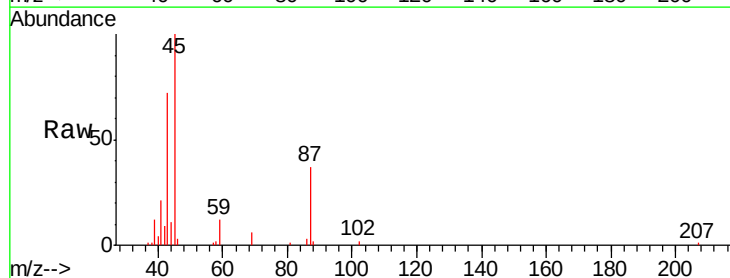
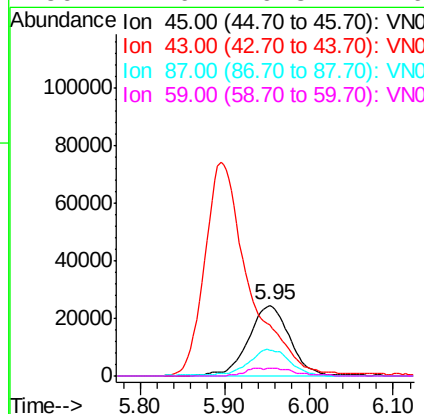
RT: 5.95 min Scan# 1300

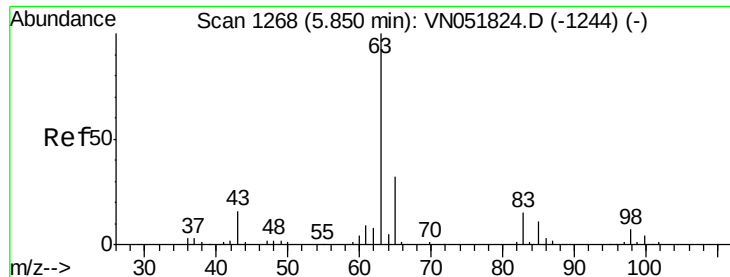
Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.5	62.1	93.1
87	36.7	19.9	29.9#
59	11.6	9.8	14.6





#21

1,1-Dichloroethane

Concen: 3.68 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

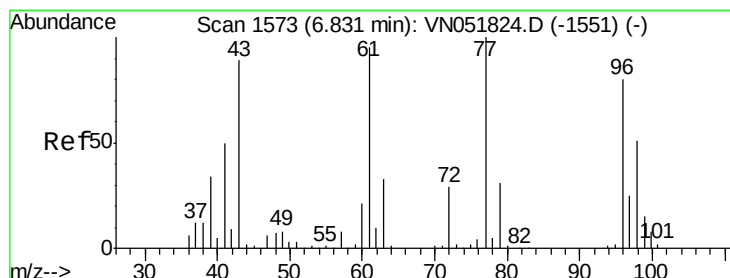
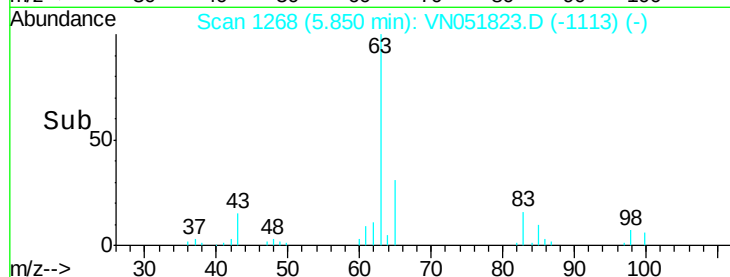
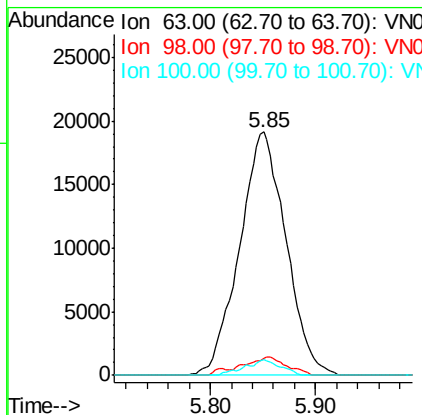
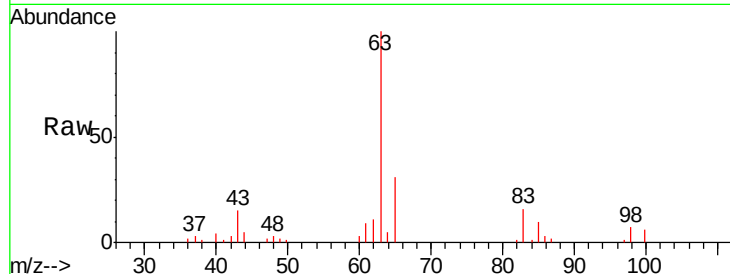
ClientSampleId :

VSTDIC005

Tgt Ion:	63	Resp:	58465
Ion Ratio	Lower	Upper	
63	100		
98	7.0	4.1	12.3
100	6.3	1.6	4.7#

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#22

cis-1,2-Dichloroethene

Concen: 4.60 ug/l

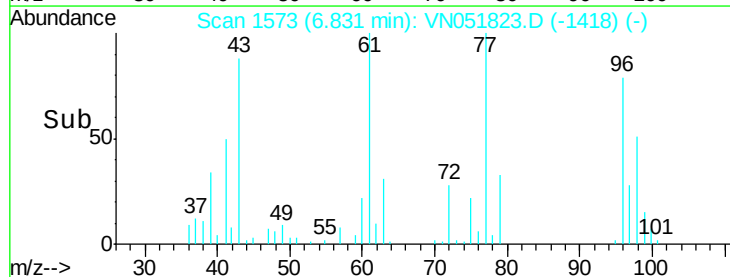
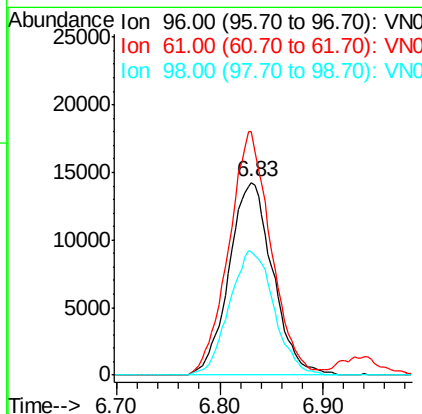
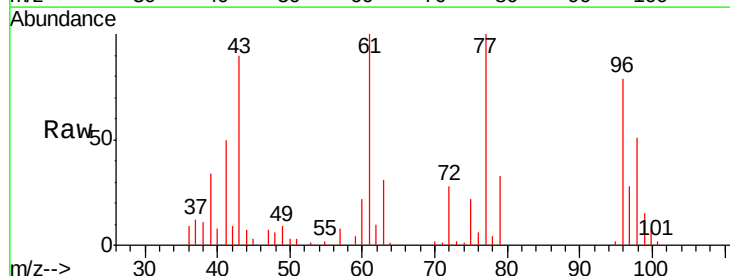
RT: 6.83 min Scan# 1573

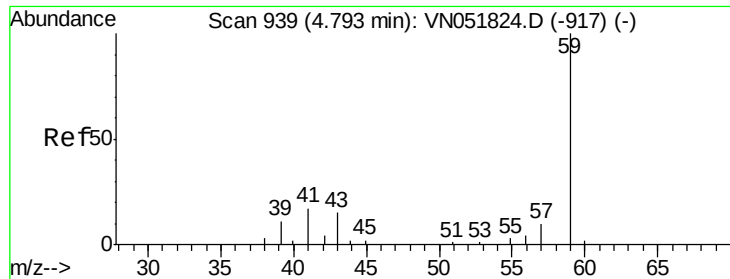
Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Tgt Ion:	96	Resp:	42043
Ion Ratio	Lower	Upper	
96	100		
61	121.6	124.5	186.7#
98	65.5	51.9	77.9





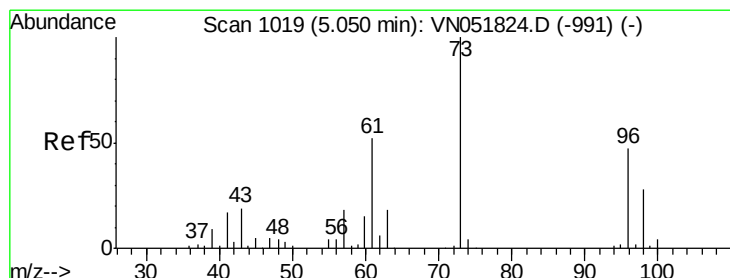
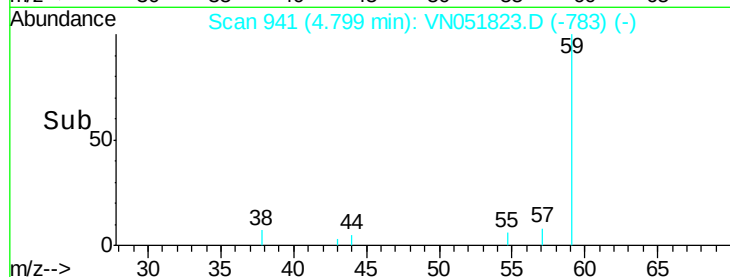
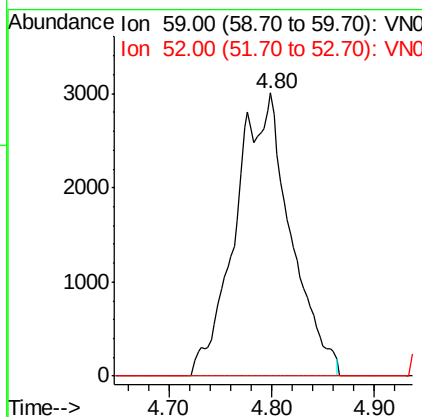
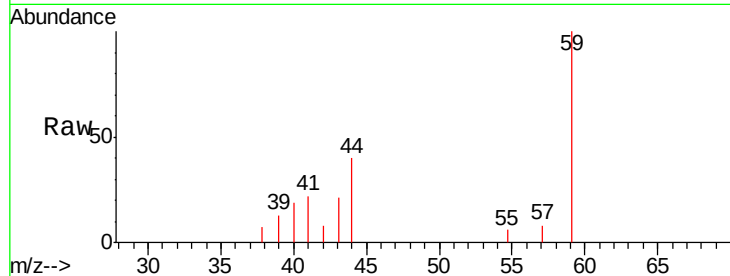
#23
 tert-Butyl Alcohol
 Concen: 22.41 ug/l m
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 59 Resp: 11191
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

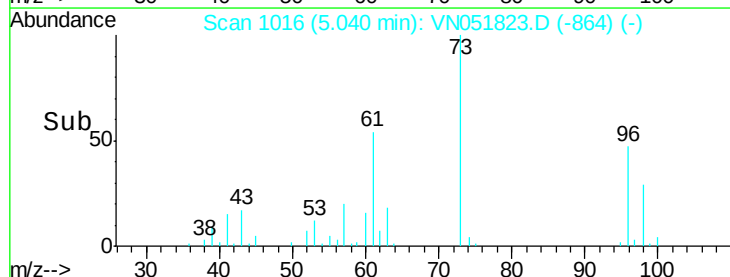
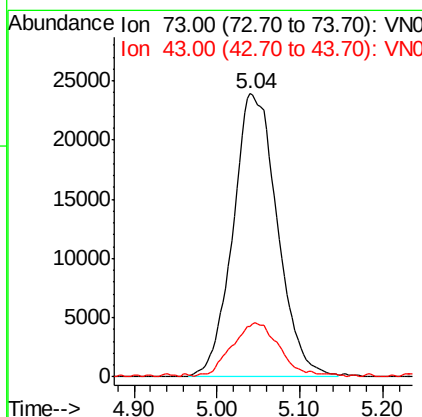
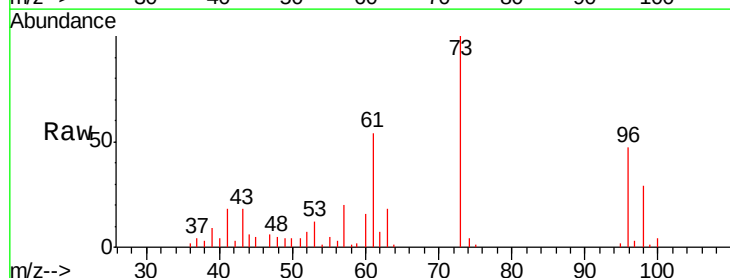
Manual Integrations
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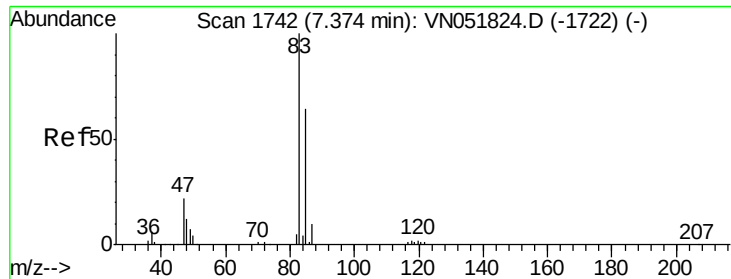
MMDadoda
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#24
 Methyl tert-Butyl Ether
 Concen: 4.37 ug/l
 RT: 5.04 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Tgt Ion: 73 Resp: 89091
 Ion Ratio Lower Upper
 73 100
 43 17.7 5.4 8.0#





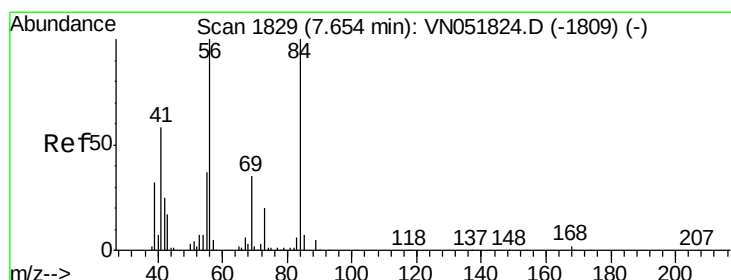
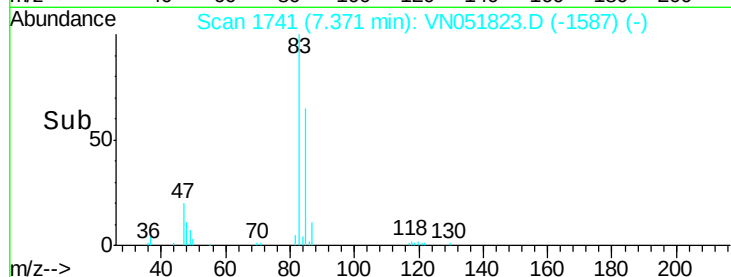
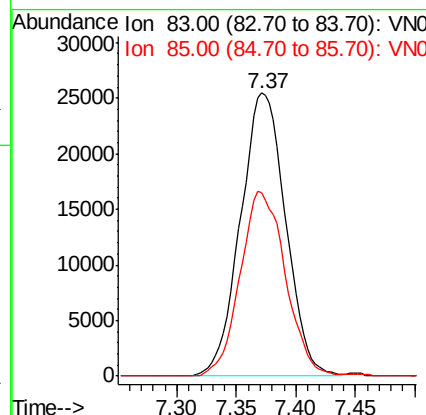
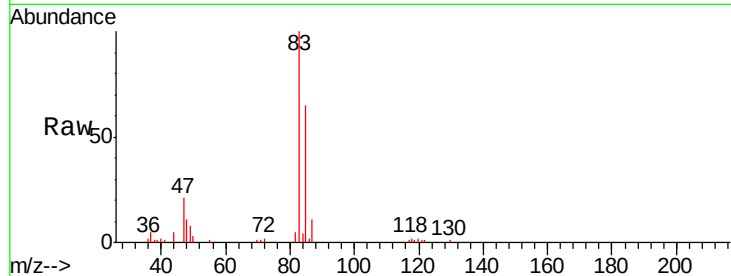
#25
Chloroform
Concen: 4.22 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	54.6	82.0

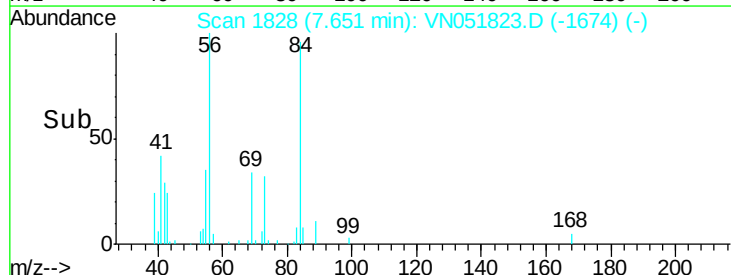
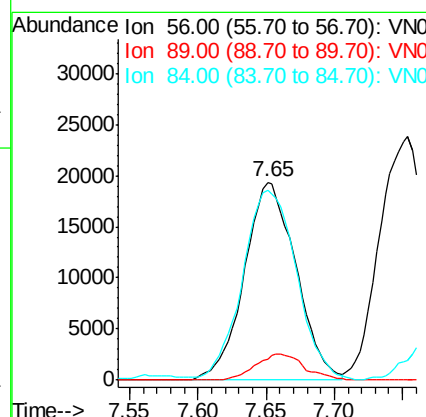
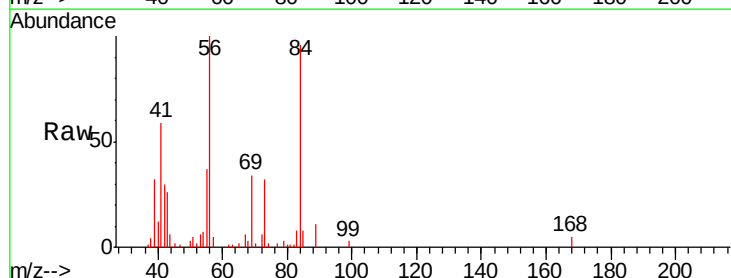
Manual Integrations
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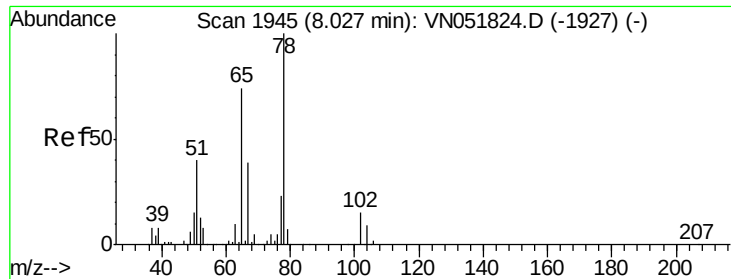
MMDadoda
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#26
Cyclohexane
Concen: 3.77 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
56	100		
89	12.3	1.5	2.3#
84	100.5	64.2	96.4#





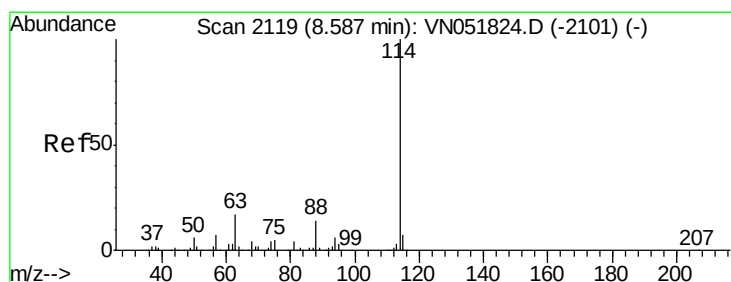
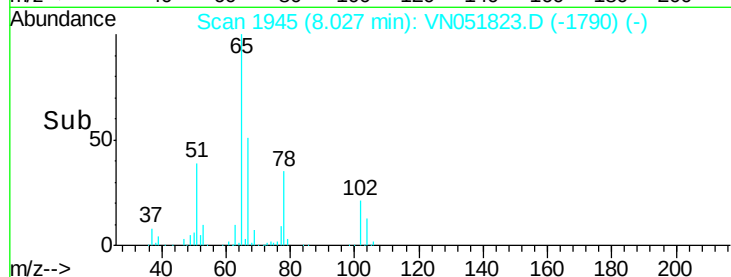
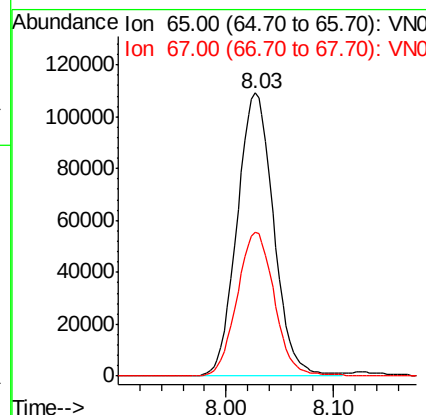
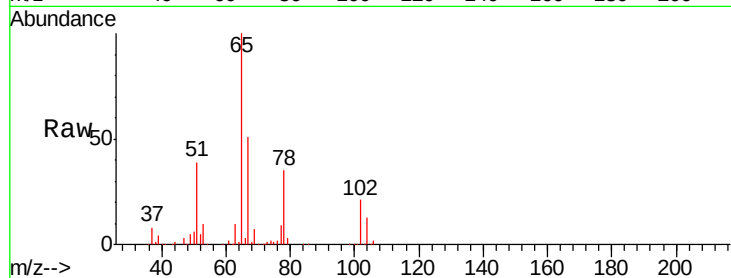
#27
 1,2-Dichloroethane-d4
 Concen: 3.77 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 257773
 Ion Ratio Lower Upper
 65 100
 67 51.7 41.8 62.8

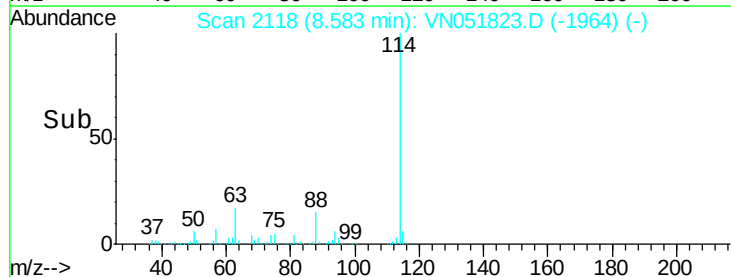
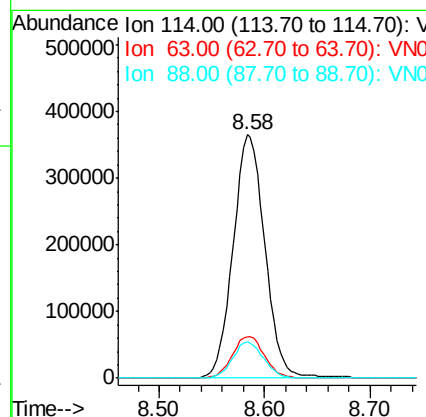
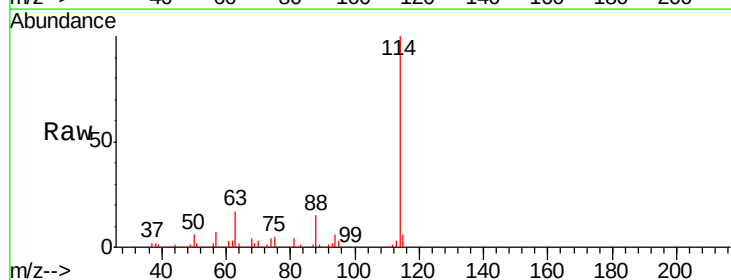
Manual Integrations
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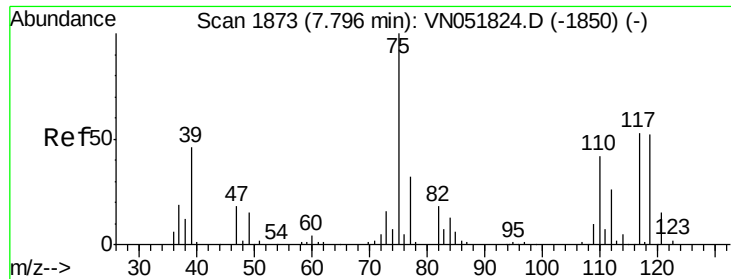
MMDadoda
 10/15/2018 11:27:47 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Tgt Ion: 114 Resp: 761533
 Ion Ratio Lower Upper
 114 100
 63 17.3 16.2 24.2
 88 14.6 12.2 18.4





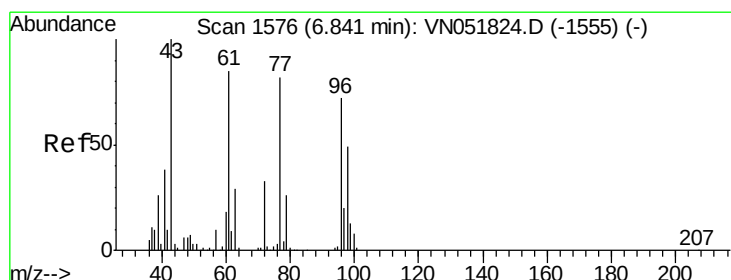
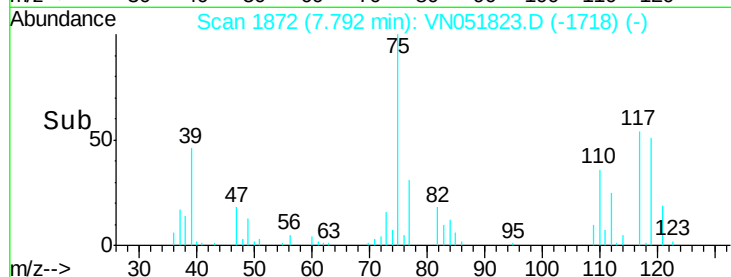
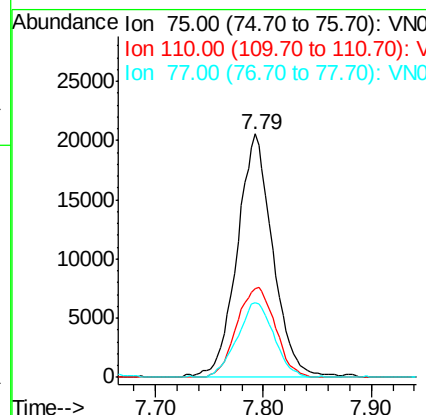
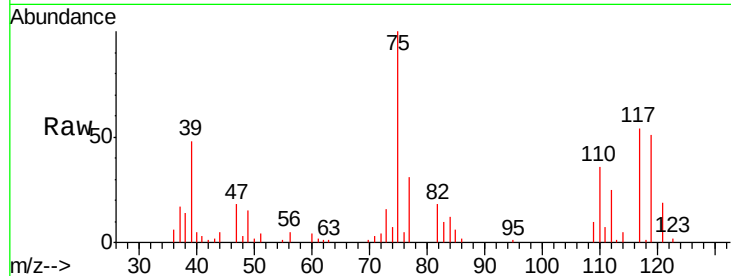
#29
 1,1-Dichloropropene
 Concen: 3.74 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.7	0.0	70.8
77	31.5	0.0	61.6

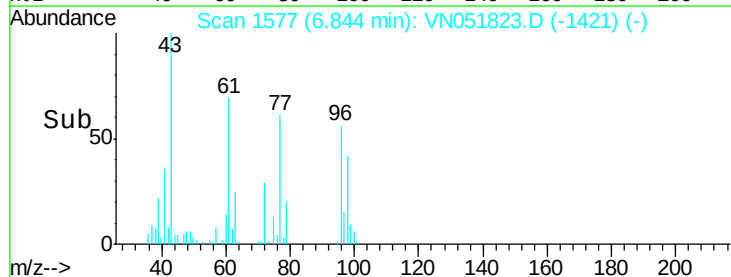
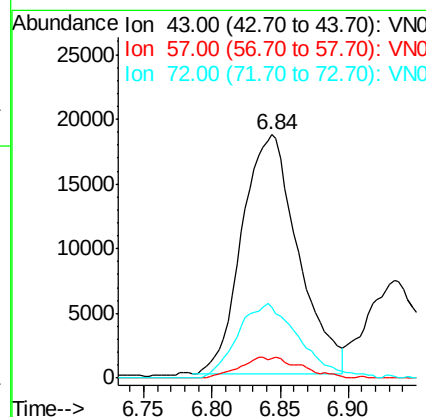
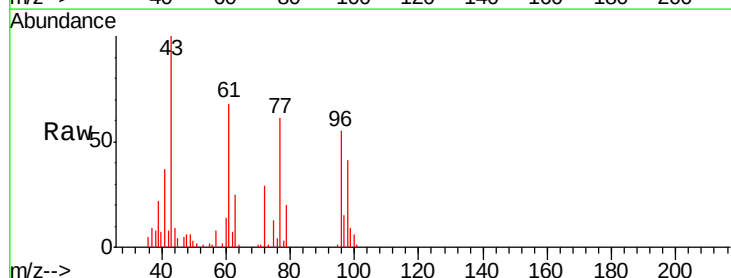
Manual Integrations
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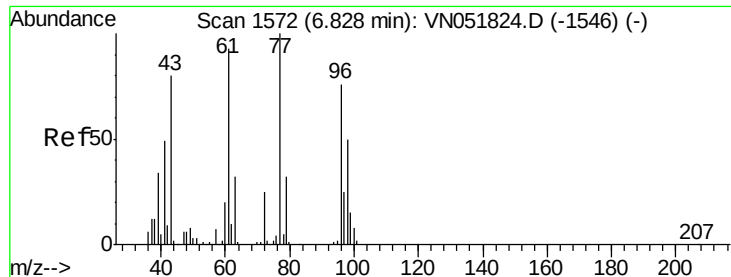
MMDadoda
 10/15/2018 11:27:47 AM



#30
 2-Butanone
 Concen: 16.46 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
43	100		
57	4.5	4.5	6.7#
72	34.3	21.5	32.3#





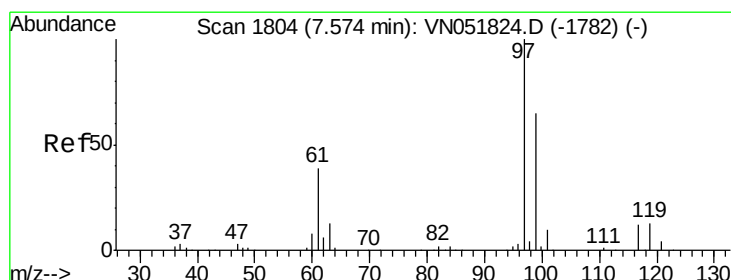
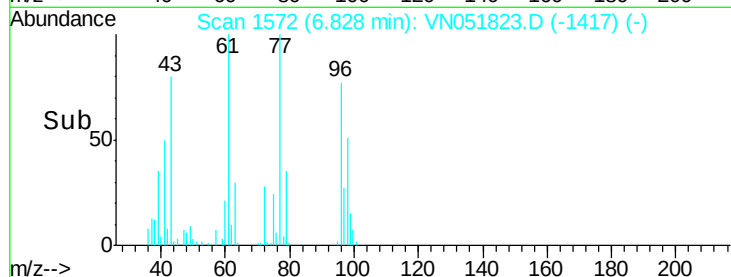
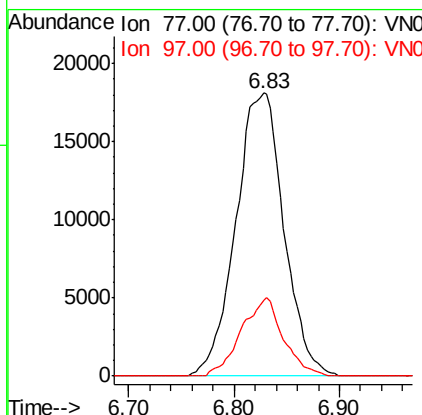
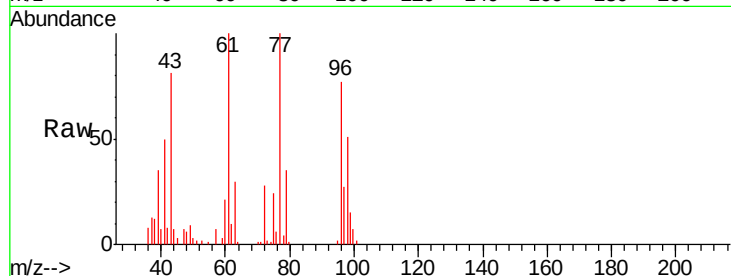
#31
 2,2-Dichloropropane
 Concen: 4.26 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 77 Resp: 57365
 Ion Ratio Lower Upper
 77 100
 97 24.3 12.0 18.0#

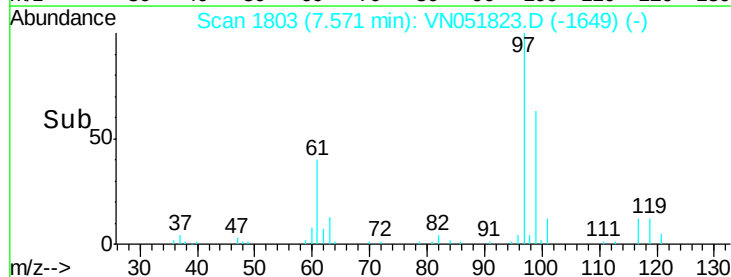
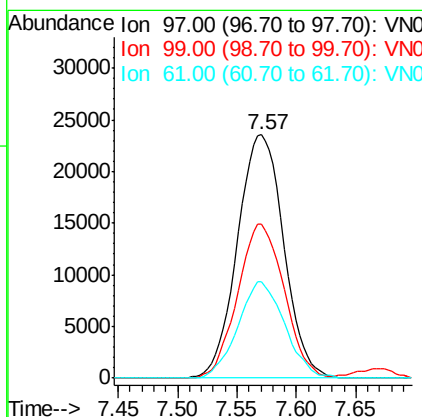
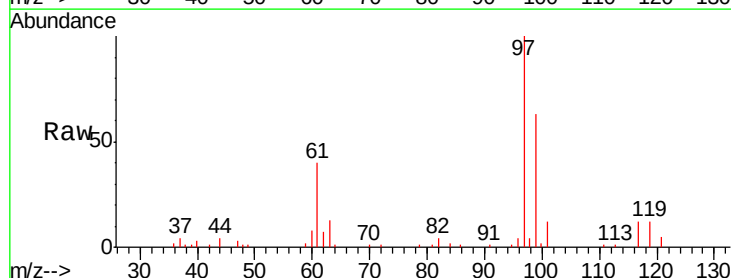
Manual Integrations
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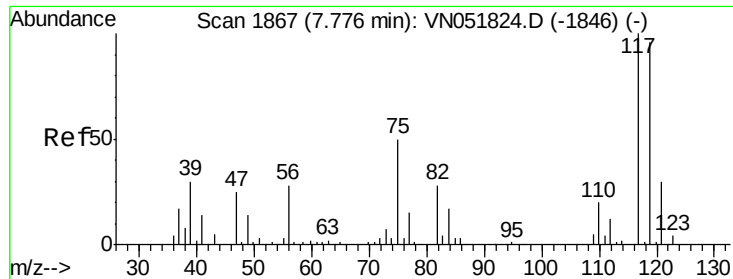
MMDadoda
 10/15/2018 11:27:47 AM



#32
 1,1,1-Trichloroethane
 Concen: 4.40 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Tgt Ion: 97 Resp: 63532
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.6 77.4
 61 39.8 37.4 56.0





#33

Carbon Tetrachloride

Concen: 4.11 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 117 Resp: 54216

Ion Ratio Lower Upper

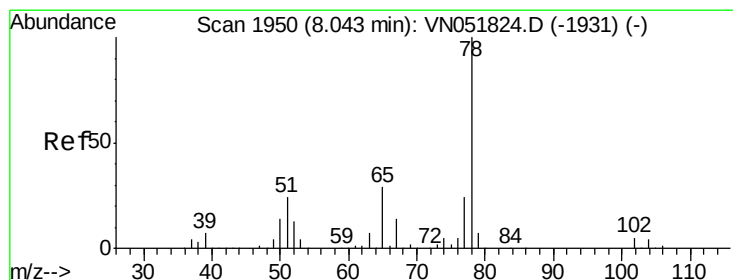
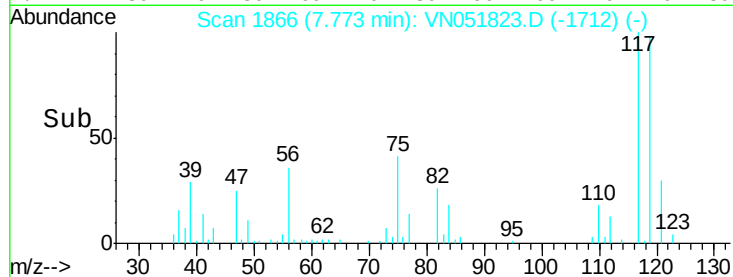
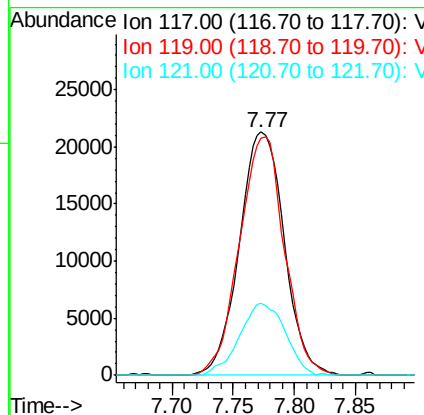
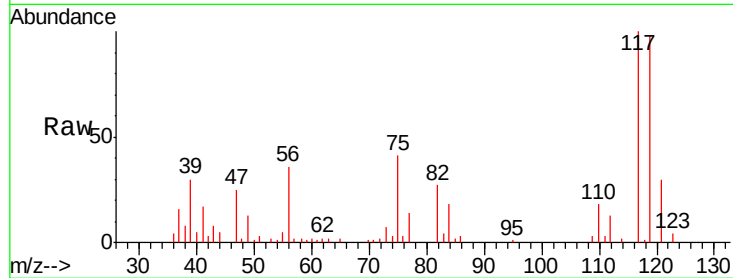
117 100

119 97.5 85.1 127.7

121 29.7 24.2 36.2

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#34

Benzene

Concen: 3.71 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

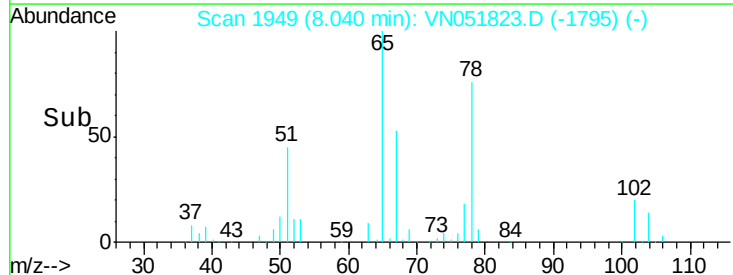
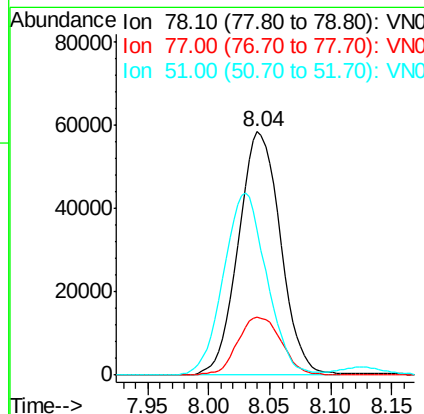
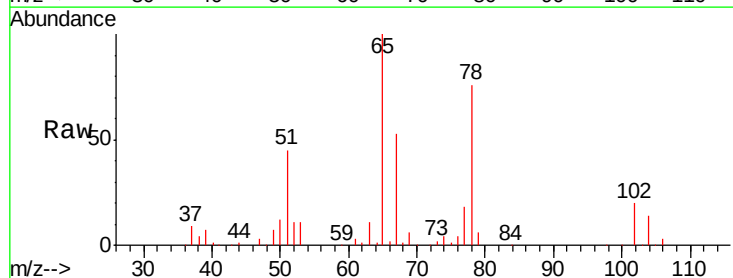
Tgt Ion: 78 Resp: 139663

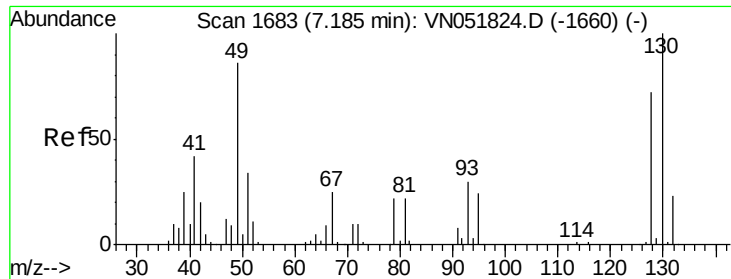
Ion Ratio Lower Upper

78 100

77 23.8 18.8 28.2

51 58.1 46.2 69.4





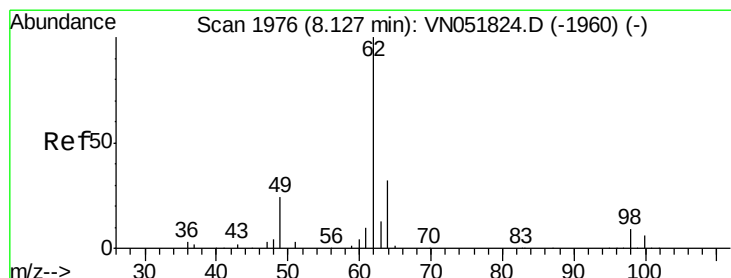
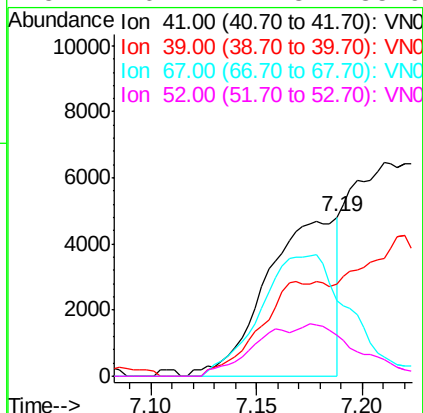
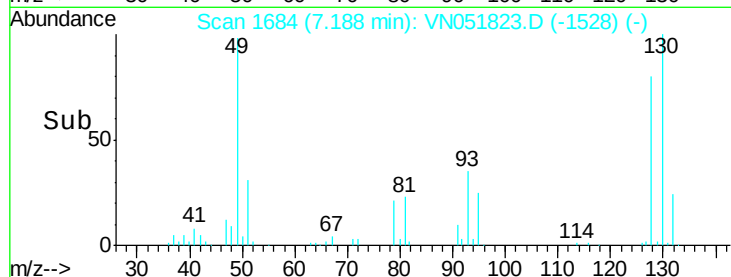
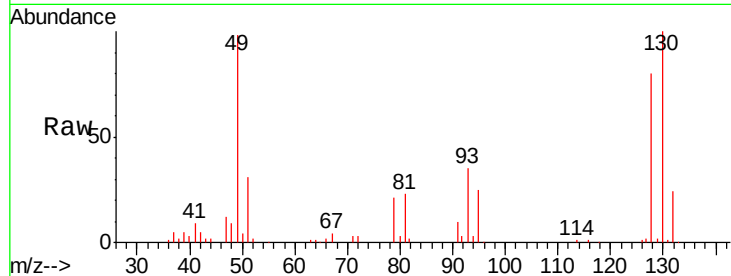
#35
Methacrylonitrile
Concen: 2.72 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.0	22.6	67.7
67	47.6	28.9	86.8
52	26.1	11.3	33.9

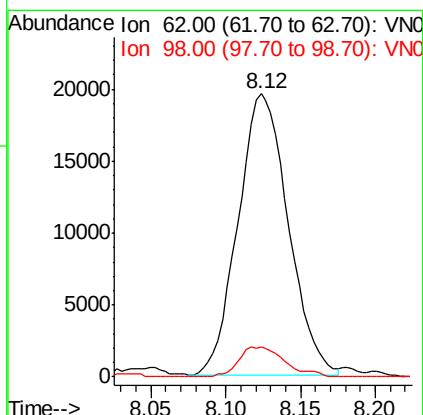
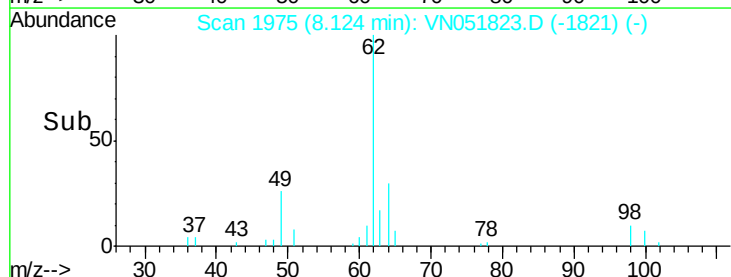
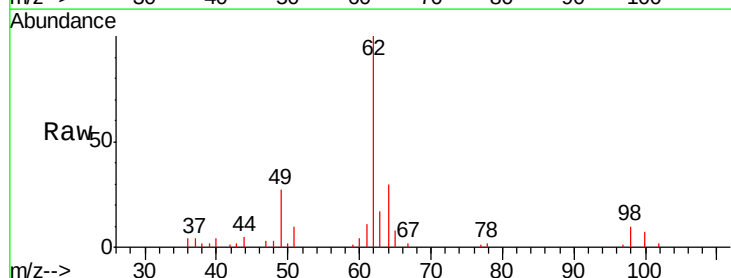
Manual Integrations
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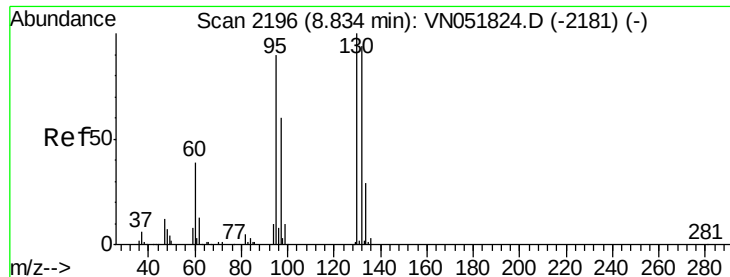
MMDadoda
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#36
1,2-Dichloroethane
Concen: 3.75 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	6.9	10.3





#37

Trichloroethene

Concen: 4.37 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 130 Resp: 43390

Ion Ratio Lower Upper

130 100

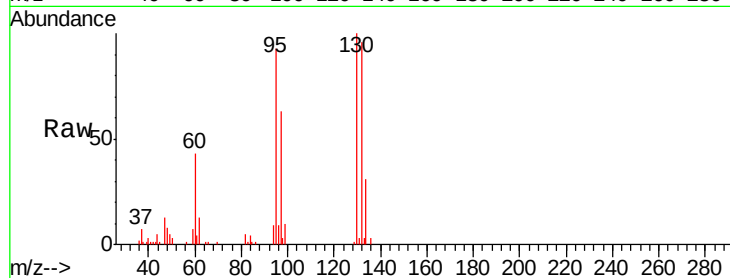
95 91.3 76.4 114.6

Manual Integrations

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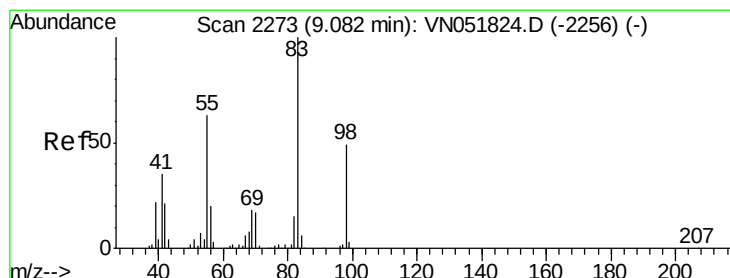
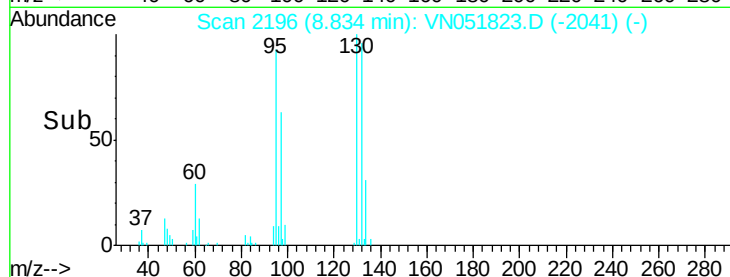
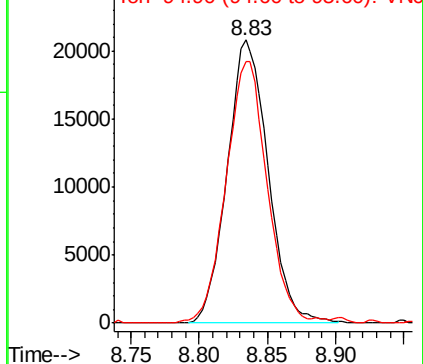
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VNO



#38

Methylcyclohexane

Concen: 4.29 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

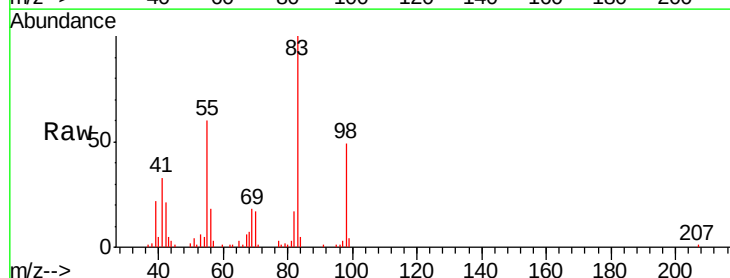
Tgt Ion: 83 Resp: 62133

Ion Ratio Lower Upper

83 100

55 62.7 43.0 129.2

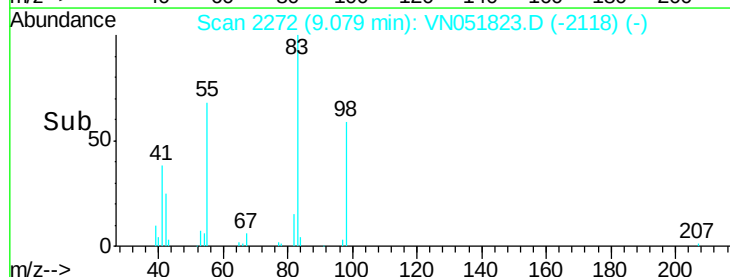
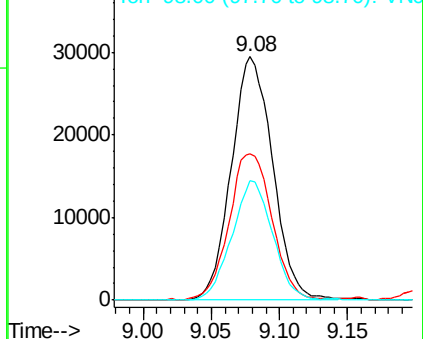
98 48.2 21.3 63.7

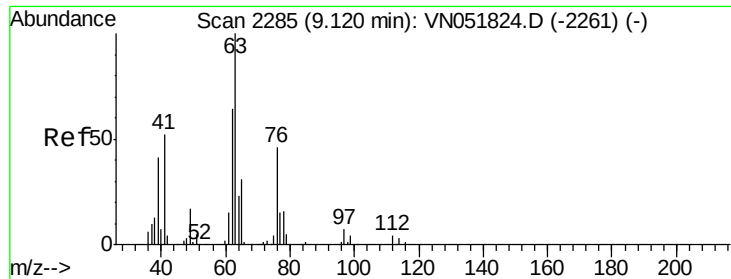


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





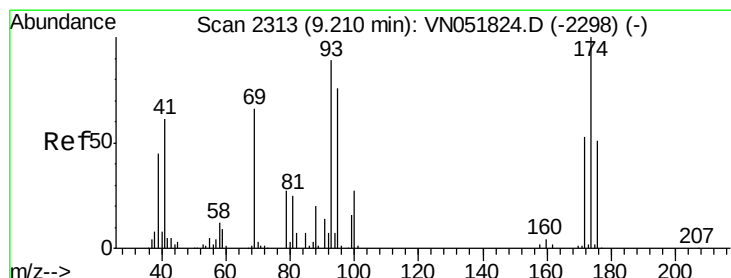
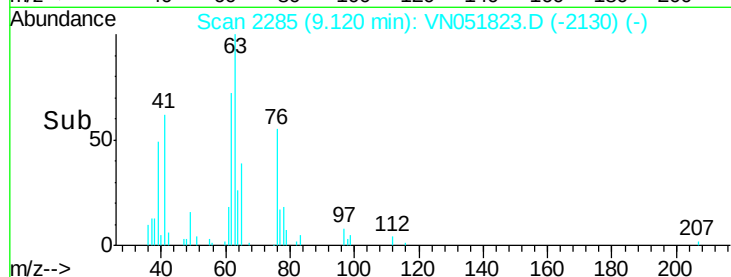
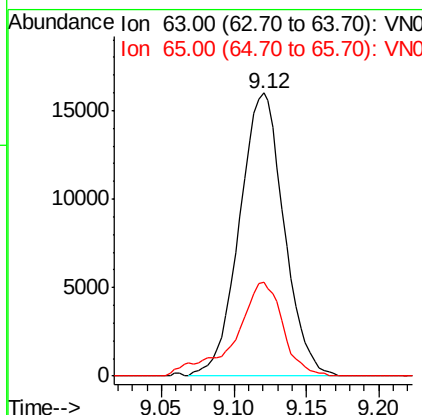
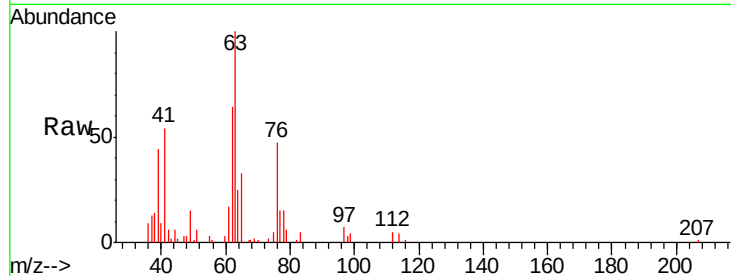
#39
 1,2-Dichloropropane
 Concen: 3.35 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 63 Resp: 34263
 Ion Ratio Lower Upper
 63 100
 65 33.2 23.2 34.8

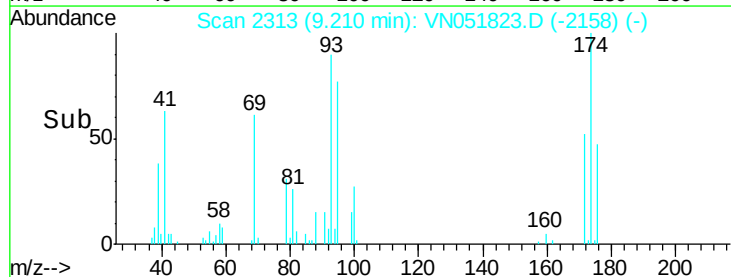
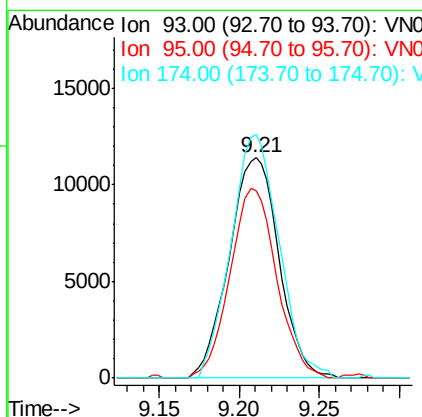
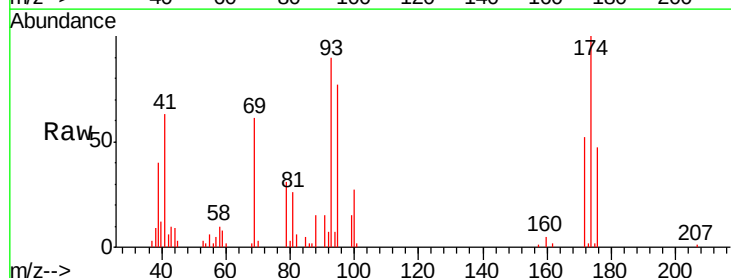
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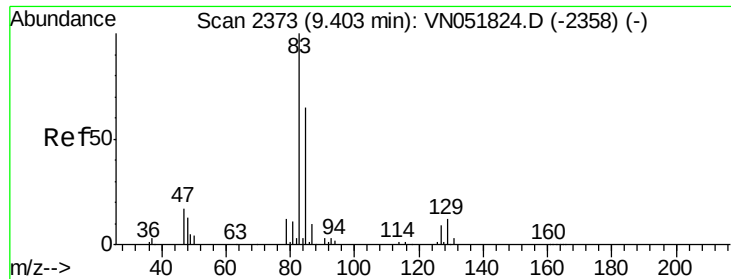
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#40
 Dibromomethane
 Concen: 4.18 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Tgt Ion: 93 Resp: 24360
 Ion Ratio Lower Upper
 93 100
 95 80.2 0.0 162.0
 174 106.2 0.0 214.0





#41

Bromodichloromethane

Concen: 3.71 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

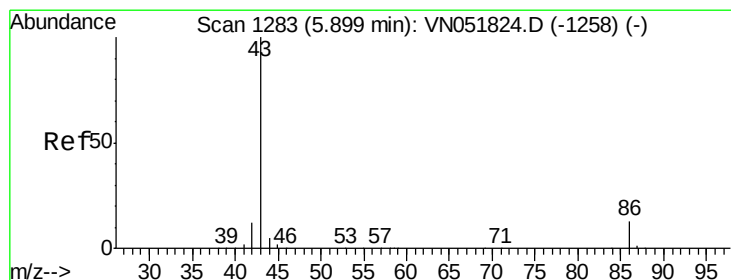
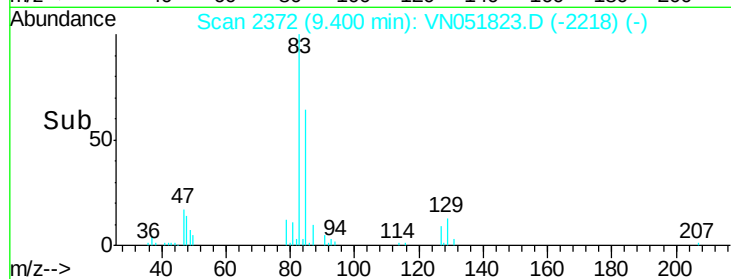
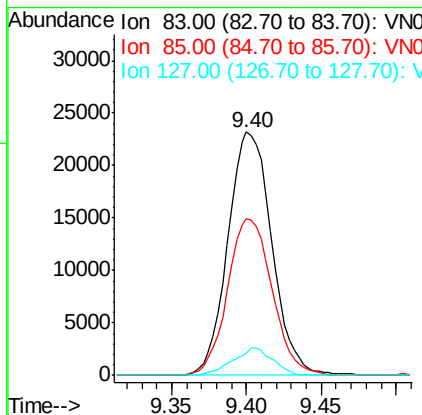
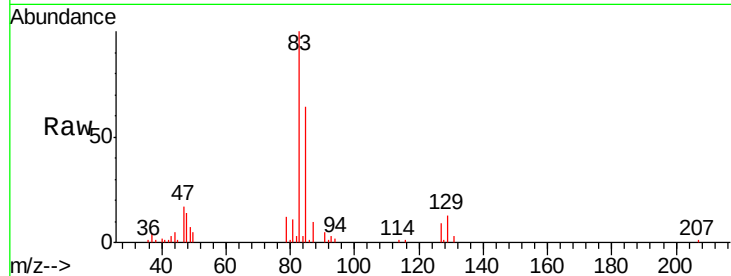
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	47370
Ion	Ratio	Lower	Upper
83	100		
85	64.3	55.7	83.5
127	10.3	8.2	12.4

Manual Integrations
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#42

Vinyl Acetate

Concen: 14.93 ug/l

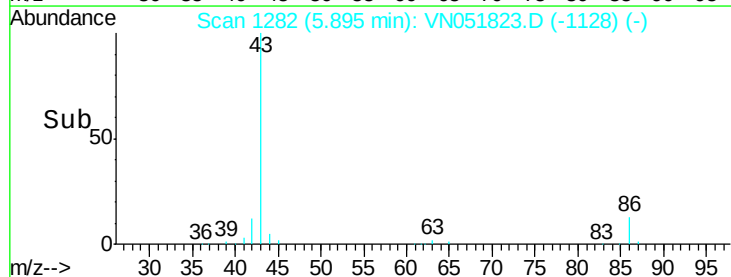
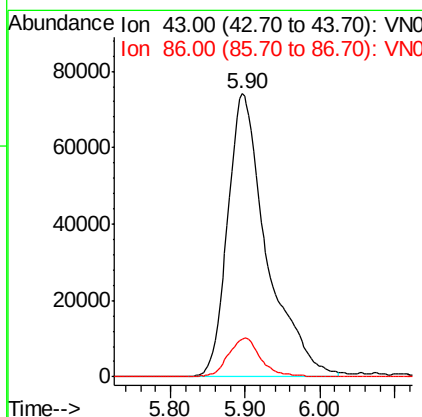
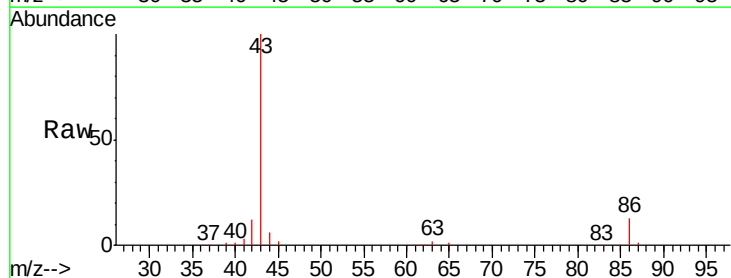
RT: 5.90 min Scan# 1282

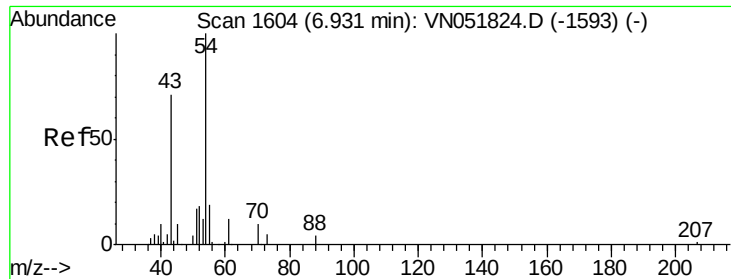
Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Tgt Ion:	43	Resp:	269732
Ion	Ratio	Lower	Upper
43	100		
86	11.2	6.5	9.7#





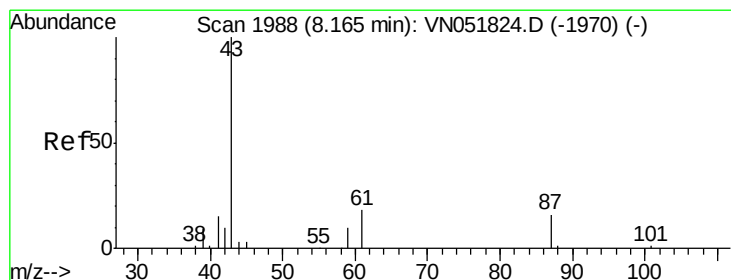
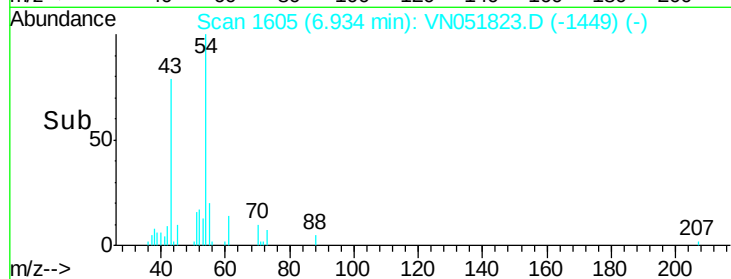
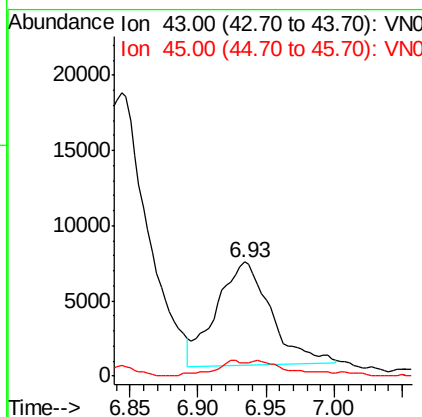
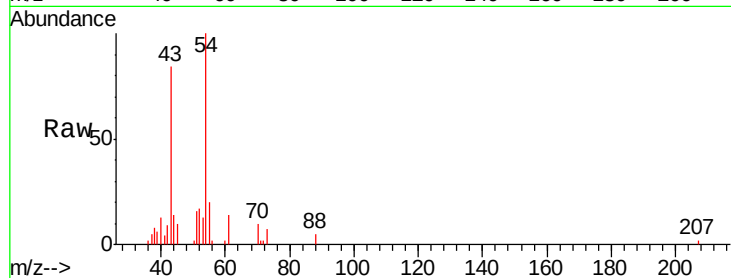
#43
Ethyl Acetate
Concen: 2.85 ug/l m
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 19258
Ion Ratio Lower Upper
43 100
45 0.1 11.0 16.6#

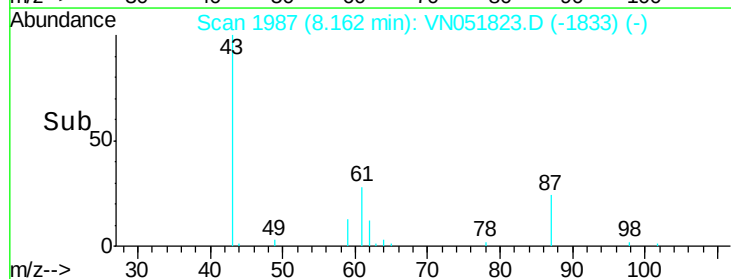
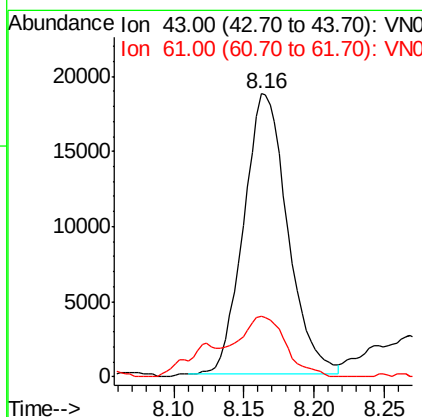
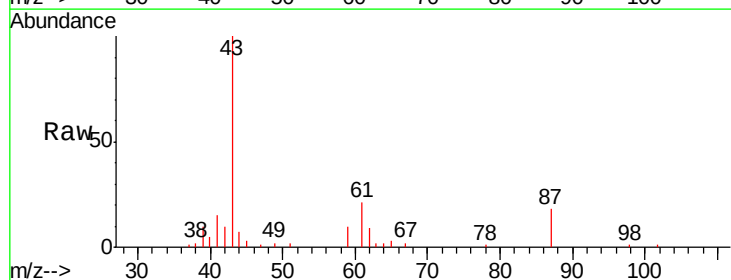
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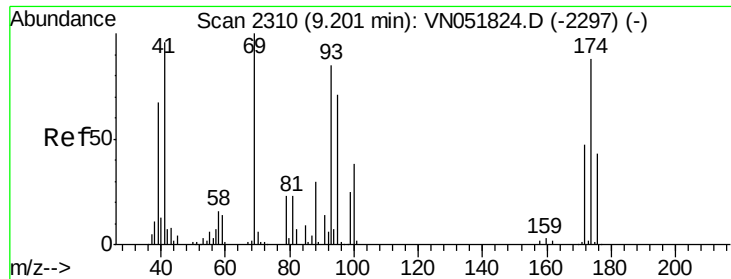
MMDadoda
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#44
Isopropyl Acetate
Concen: 3.15 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Tgt Ion: 43 Resp: 40864
Ion Ratio Lower Upper
43 100
61 19.4 15.9 23.9





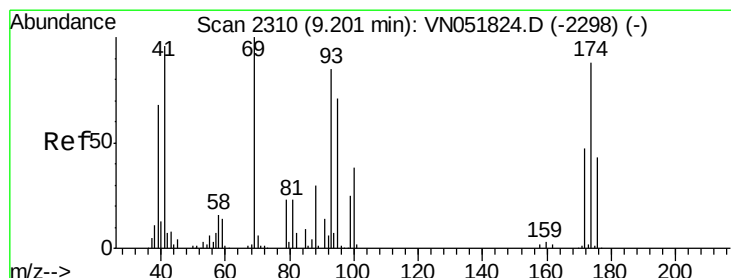
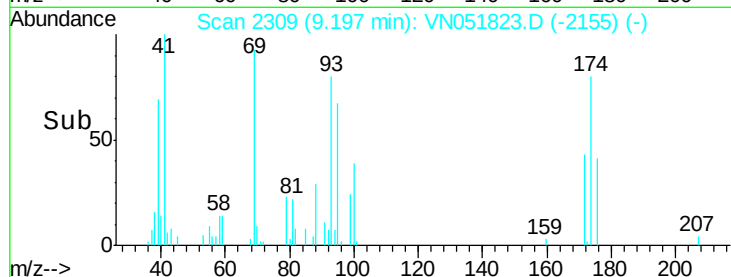
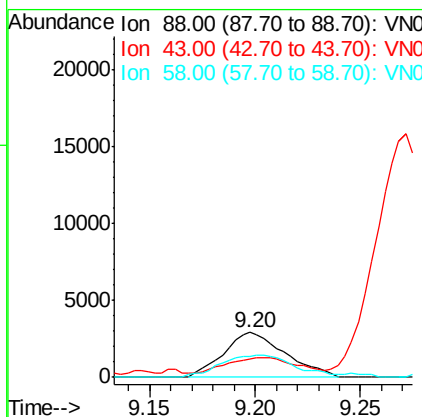
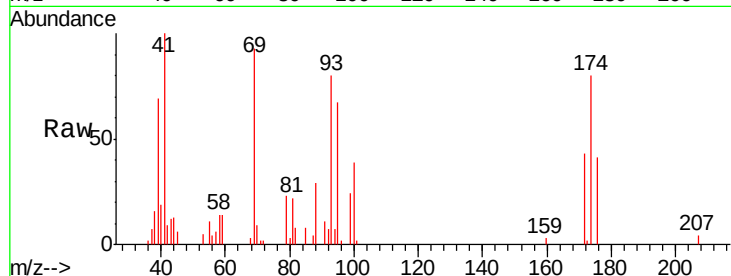
#45
1,4-Dioxane
Concen: 74.39 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.6	26.2	39.2
58	54.7	65.6	98.4#

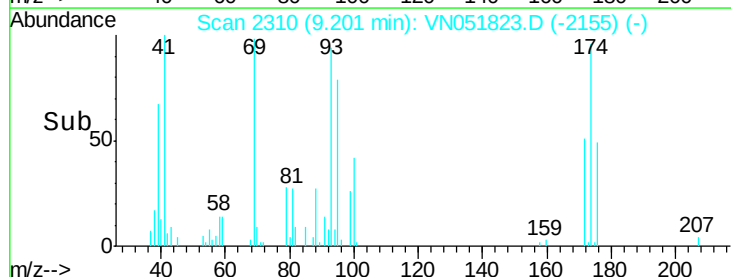
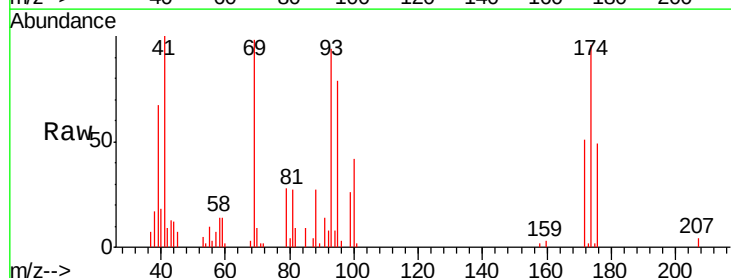
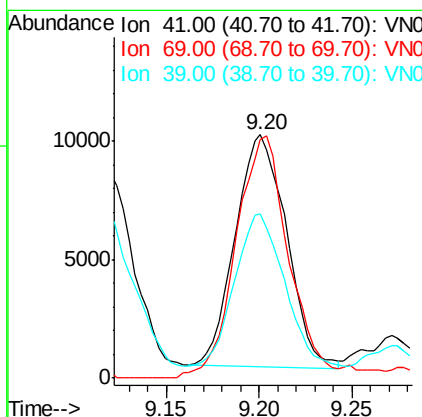
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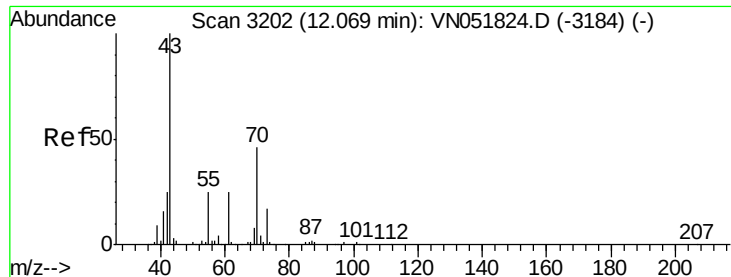
MMDadoda
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#46
Methyl methacrylate
Concen: 2.93 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	100.8	40.7	122.1
39	66.0	27.3	81.9





#47

n-amyl Acetate

Concen: 2.65 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 27293

Ion Ratio Lower Upper

43 100

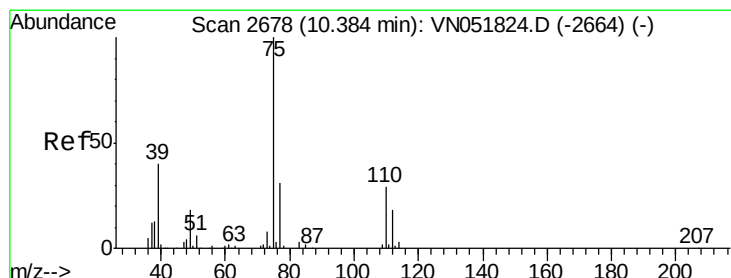
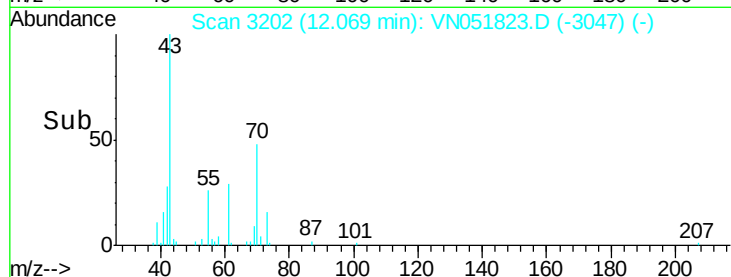
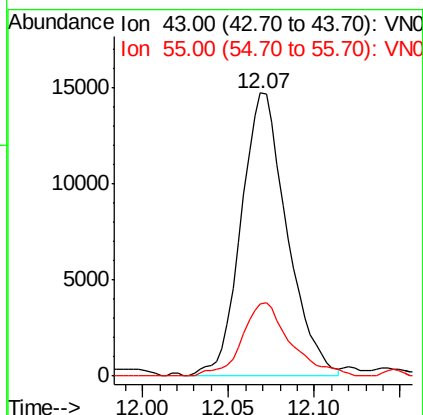
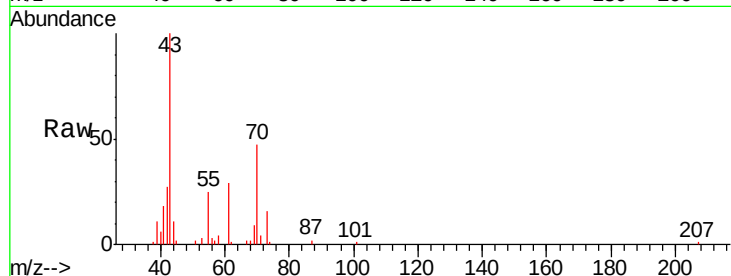
55 26.5 12.2 18.4#

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#48

t-1,3-Dichloropropene

Concen: 3.44 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051823.D

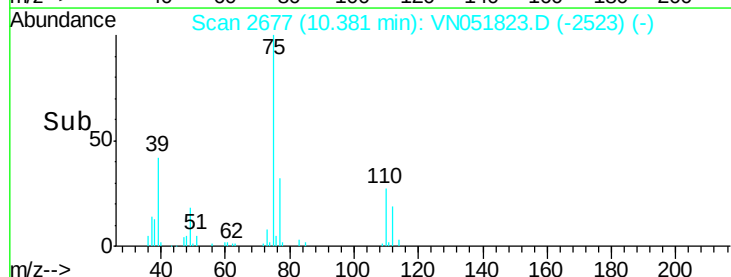
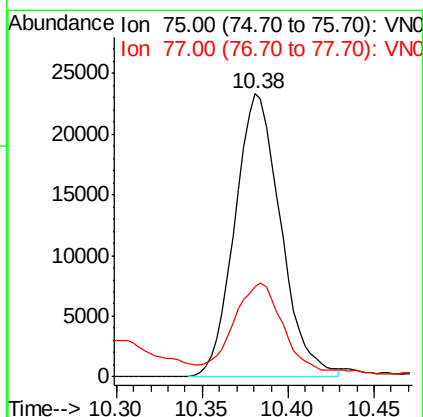
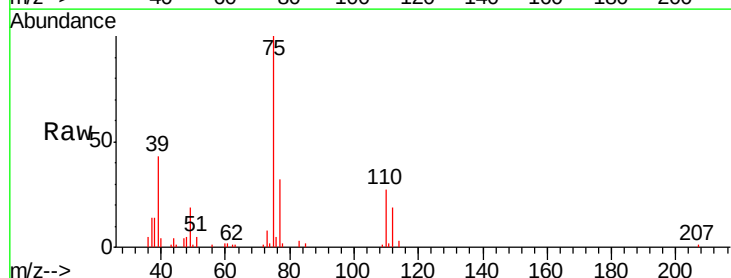
Acq: 12 Oct 2018 8:14

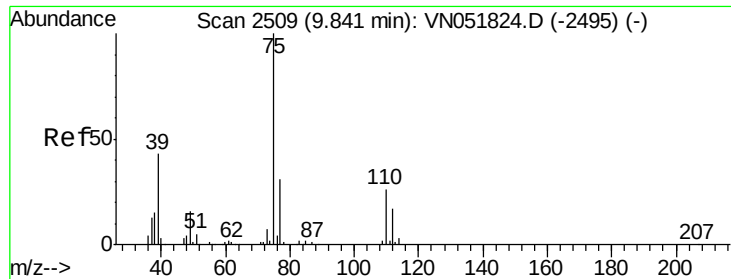
Tgt Ion: 75 Resp: 43273

Ion Ratio Lower Upper

75 100

77 29.2 24.6 37.0





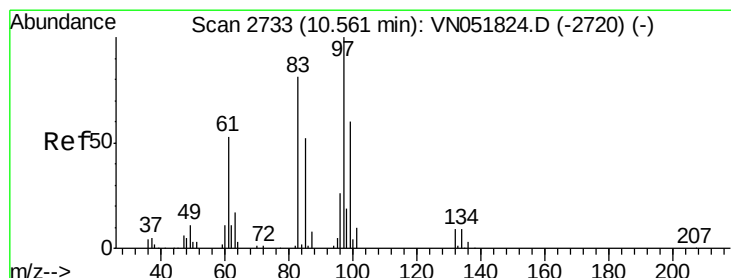
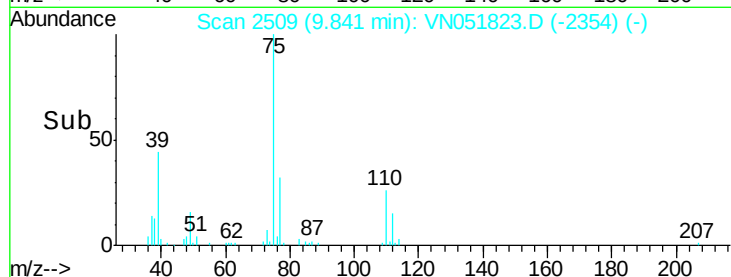
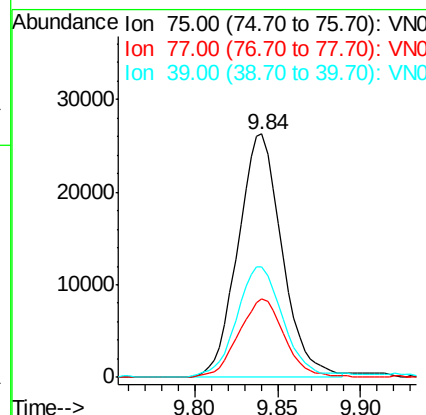
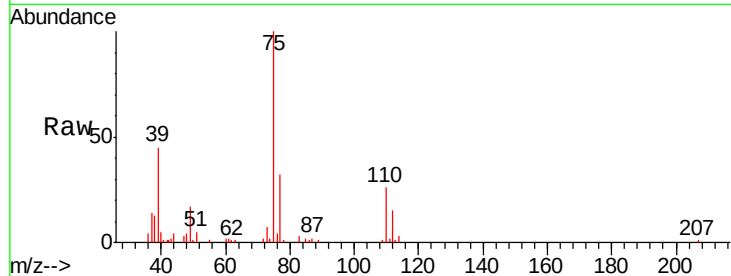
#49
 cis-1,3-Dichloropropene
 Concen: 3.31 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	23.2	34.8
39	44.5	34.6	52.0

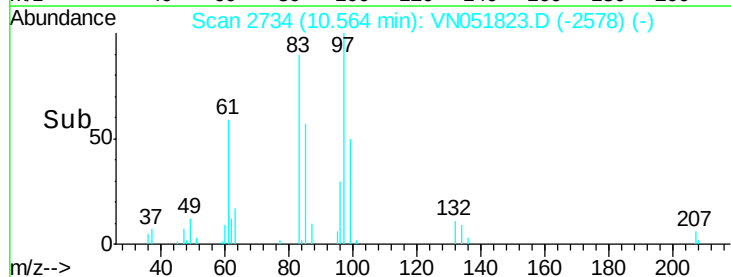
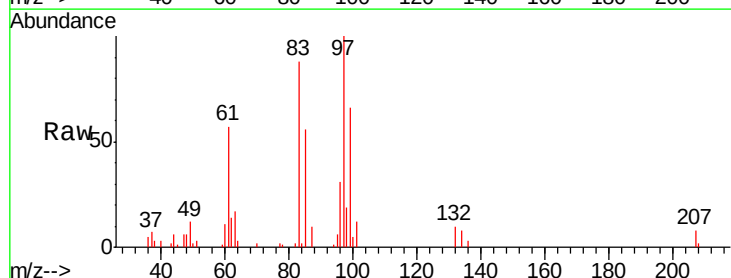
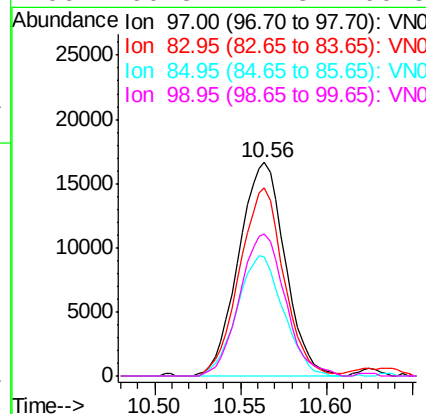
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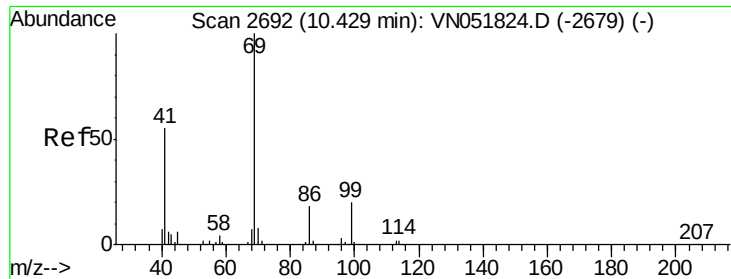
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#50
 1,1,2-Trichloroethane
 Concen: 3.77 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.2	102.4
85	55.7	42.5	63.7
99	66.3	44.3	66.5





#51

Ethyl methacrylate

Concen: 3.41 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

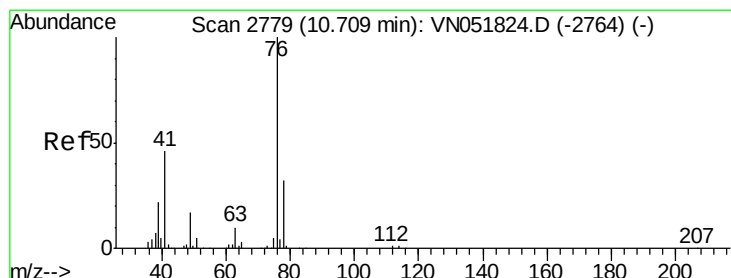
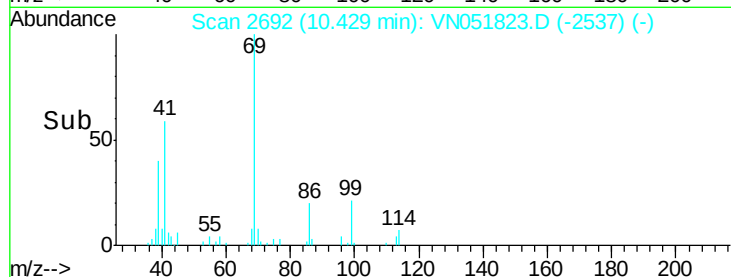
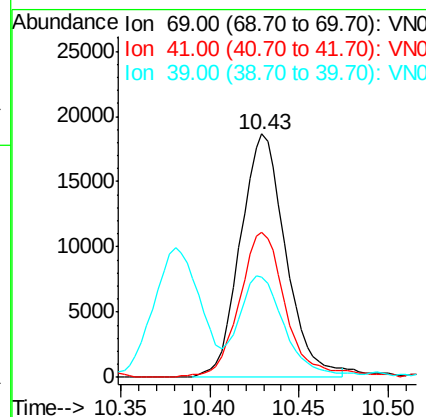
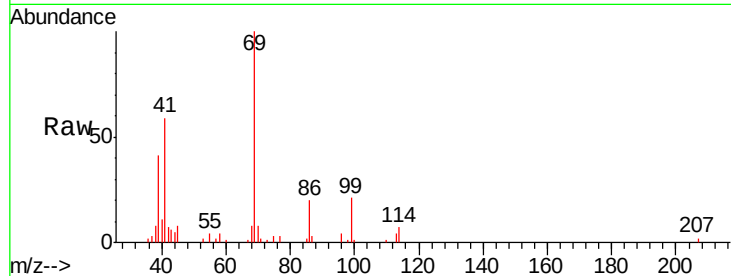
ClientSampleId :

VSTDIC005

Tgt Ion:	69	Resp:	33172
Ion	Ratio	Lower	Upper
69	100		
41	58.5	34.4	103.1
39	39.6	16.3	48.8

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#52

1,3-Dichloropropane

Concen: 3.58 ug/l

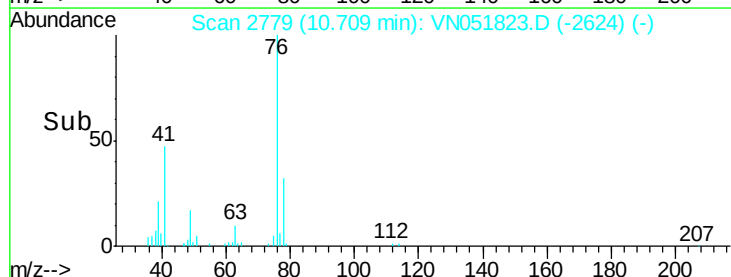
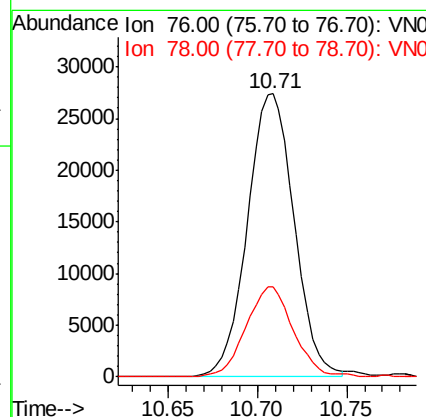
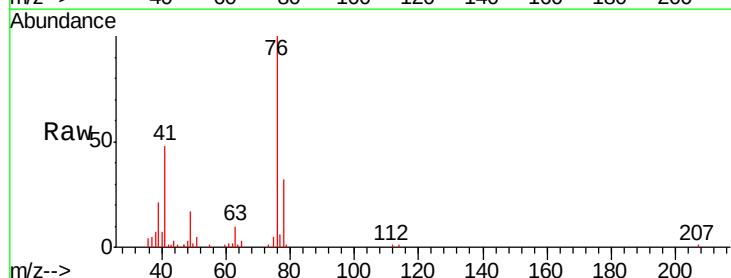
RT: 10.71 min Scan# 2779

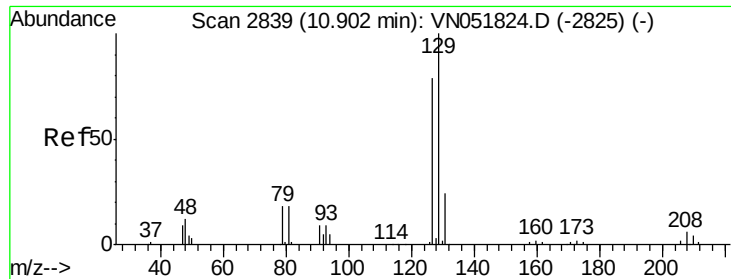
Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Tgt Ion:	76	Resp:	50149
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	67.6





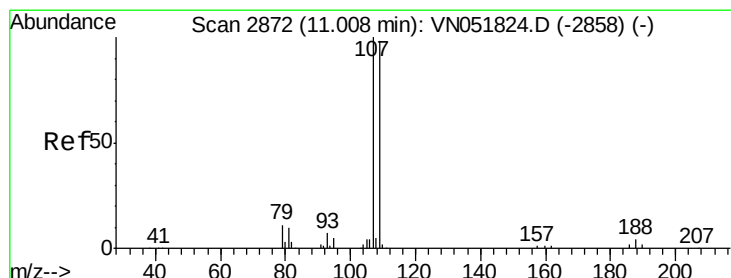
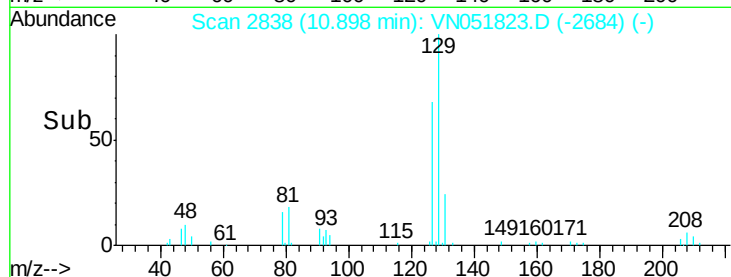
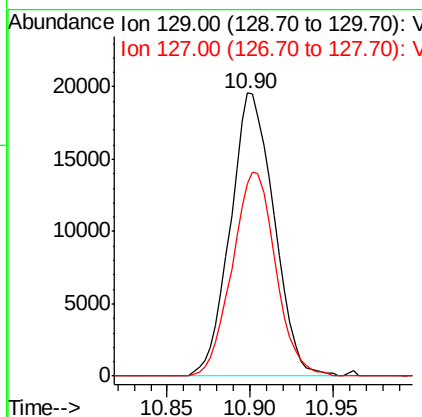
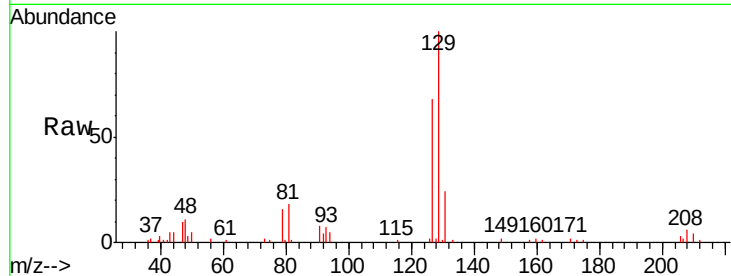
#53
Dibromochloromethane
Concen: 3.75 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:129 Resp: 35837
Ion Ratio Lower Upper
129 100
127 71.6 40.2 120.5

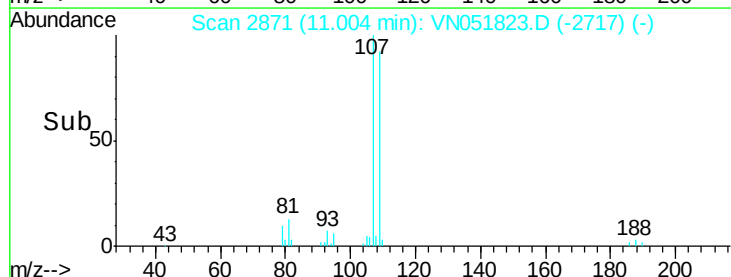
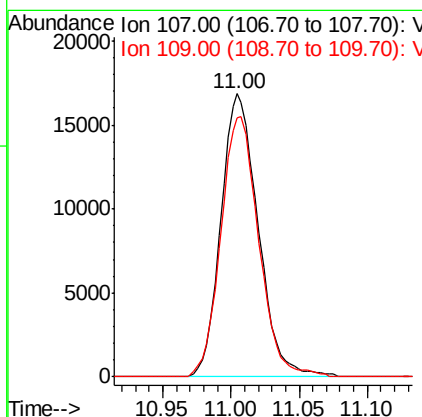
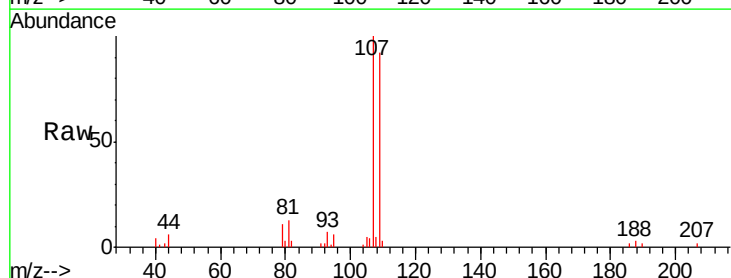
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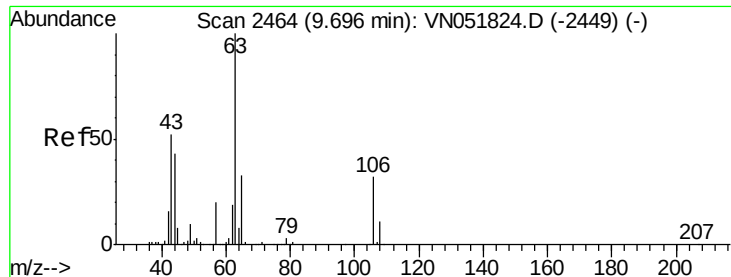
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#54
1,2-Dibromoethane
Concen: 4.01 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Tgt Ion:107 Resp: 31956
Ion Ratio Lower Upper
107 100
109 92.3 77.4 116.0





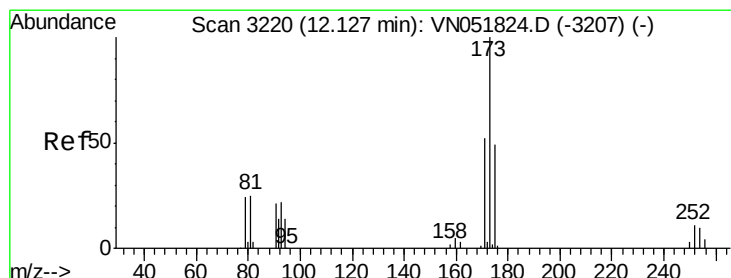
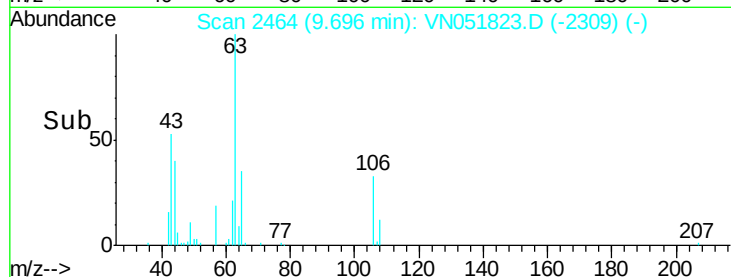
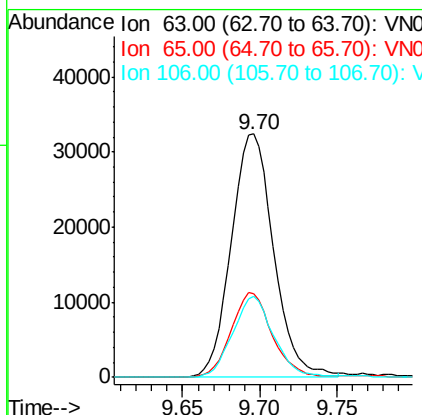
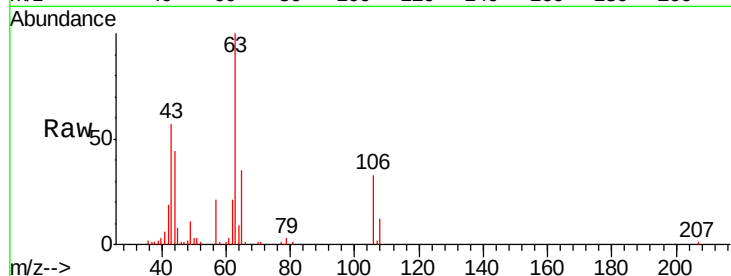
#55
 2-Chloroethyl vinyl ether
 Concen: 12.74 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.6	25.4	38.0
106	31.9	21.2	31.8#

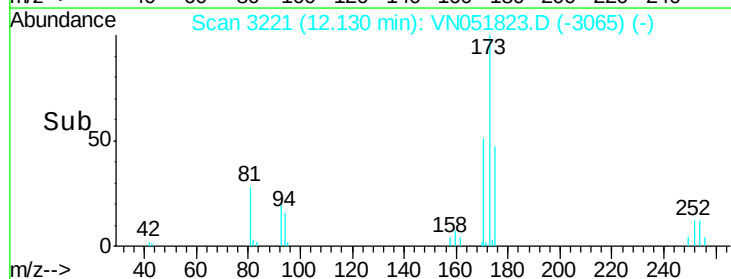
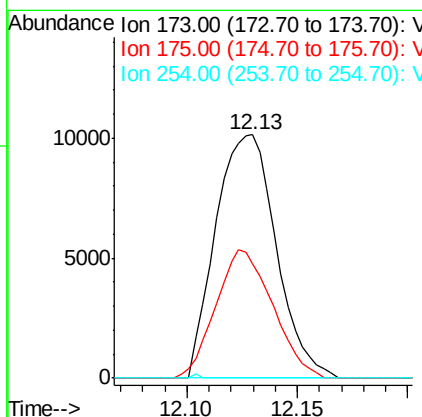
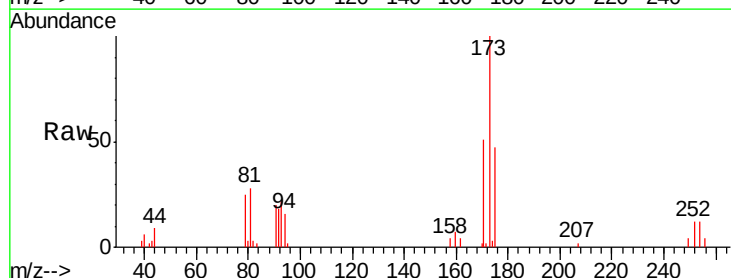
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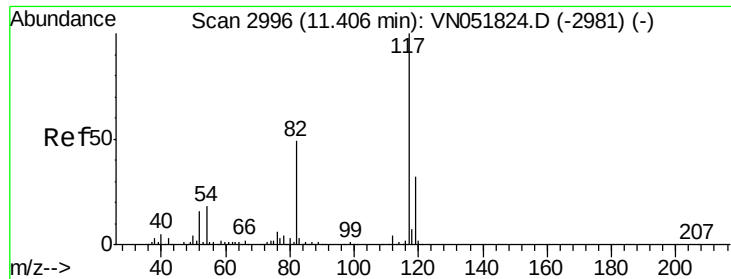
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#56
 Bromoform
 Concen: 3.01 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. 0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	35.8	53.8
254	0.0	8.6	13.0#





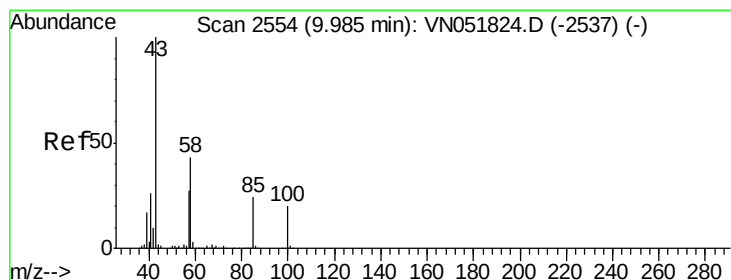
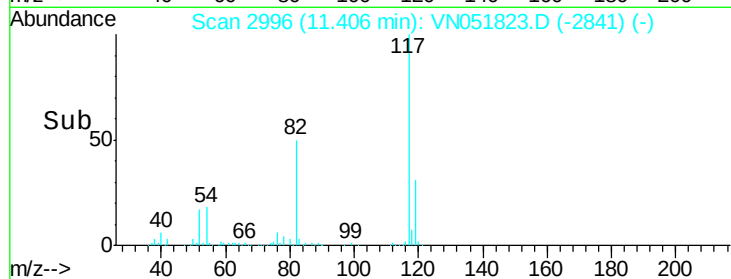
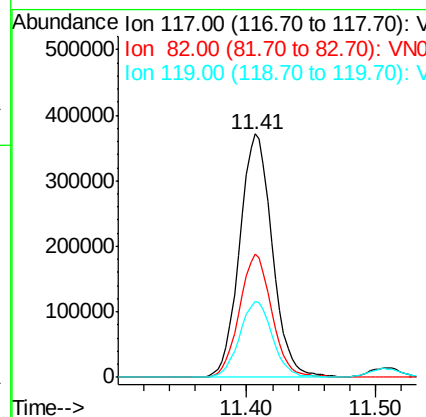
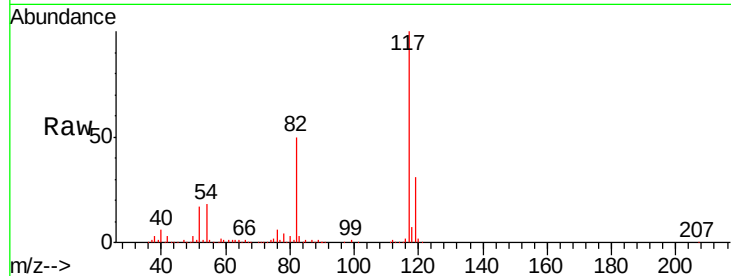
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.3	44.1	66.1
119	31.5	25.8	38.8

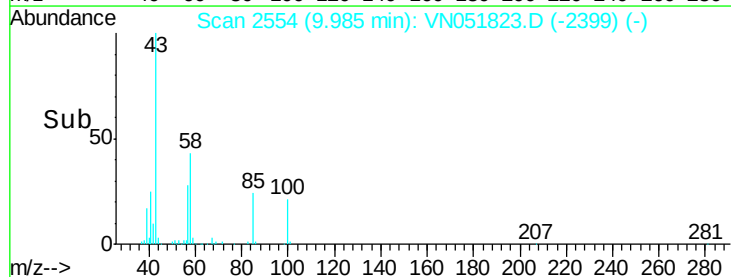
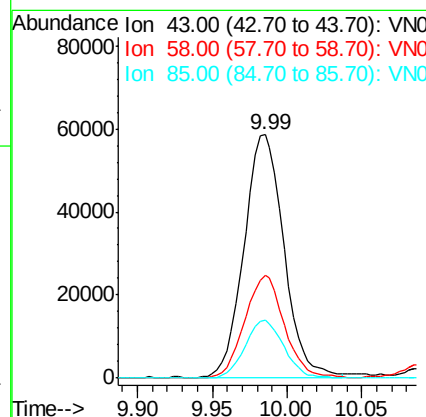
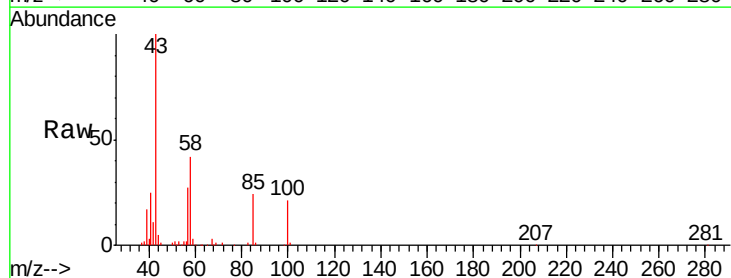
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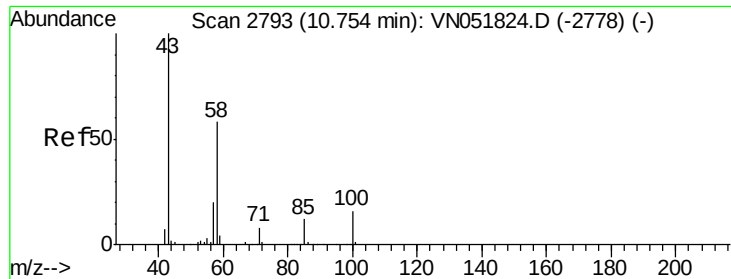
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#58
4-Methyl-2-Pentanone
Concen: 16.04 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.1	29.3	43.9
85	23.1	12.6	18.8





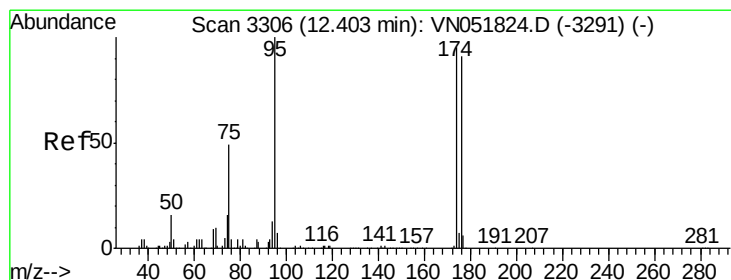
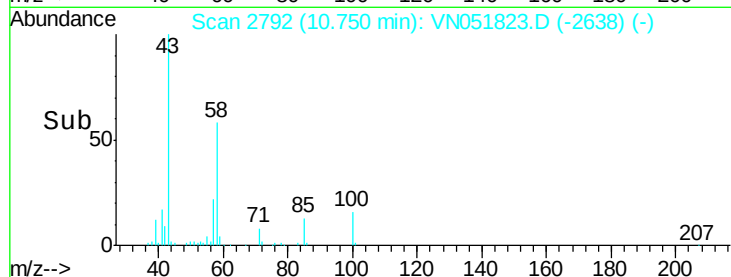
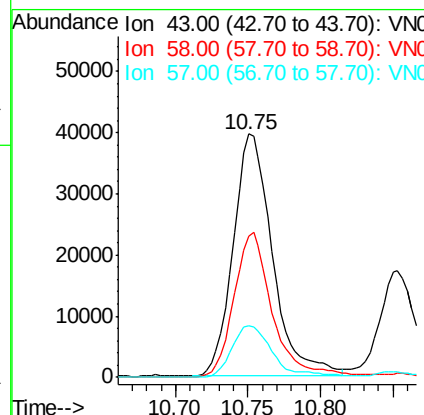
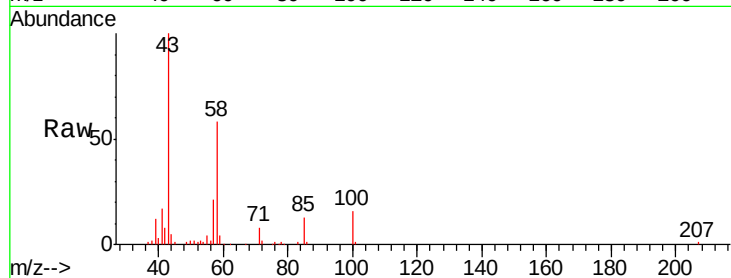
#59
2-Hexanone
Concen: 16.94 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
58	58.3	41.3	61.9
57	20.7	13.4	20.0

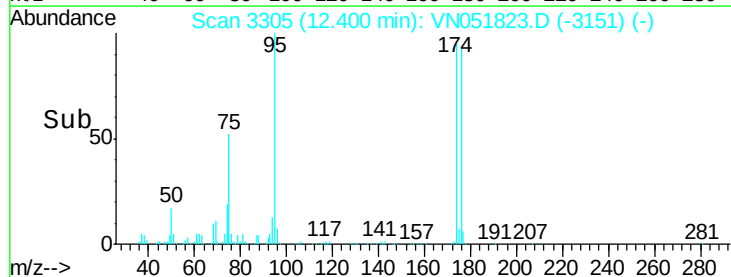
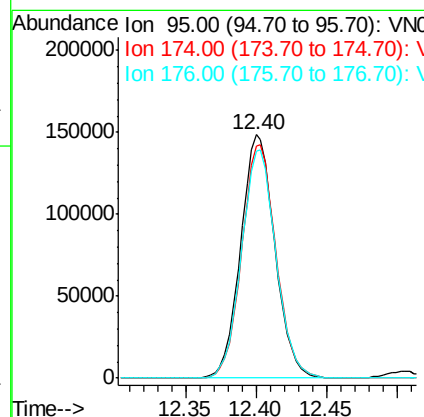
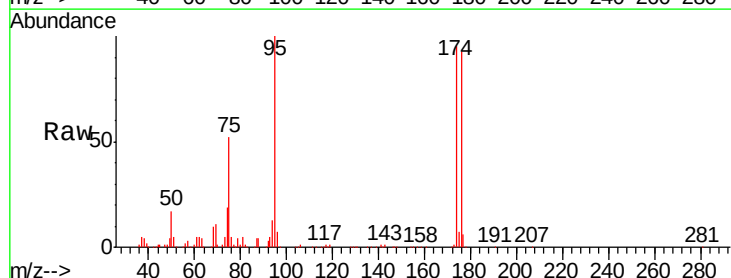
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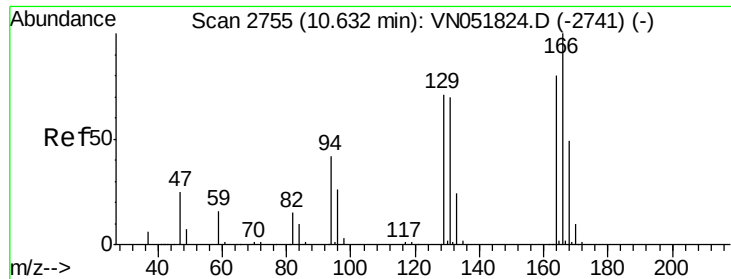
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#60
4-Bromofluorobenzene
Concen: 16.94 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.1	73.5	110.3
176	94.7	70.2	105.2





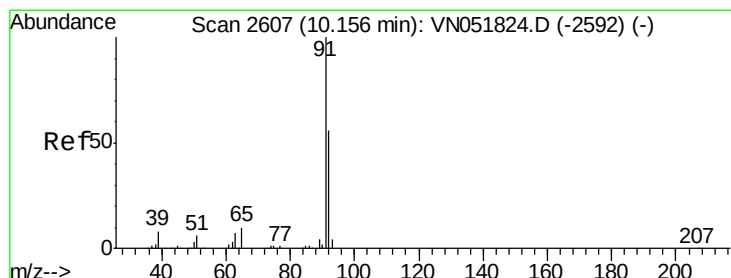
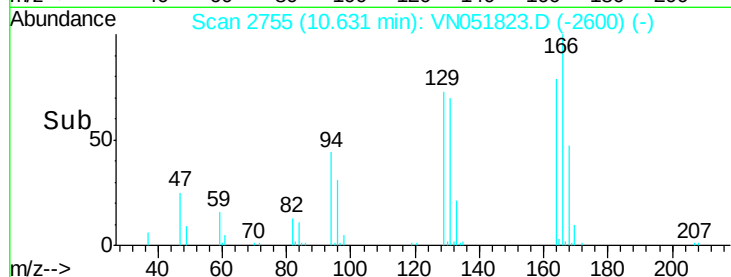
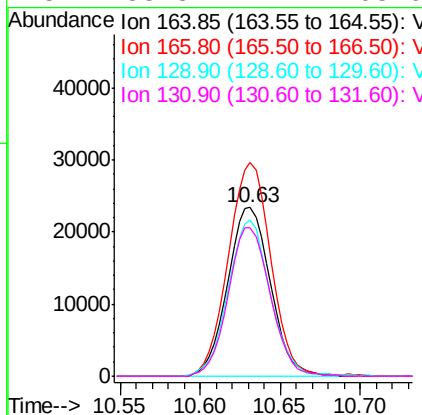
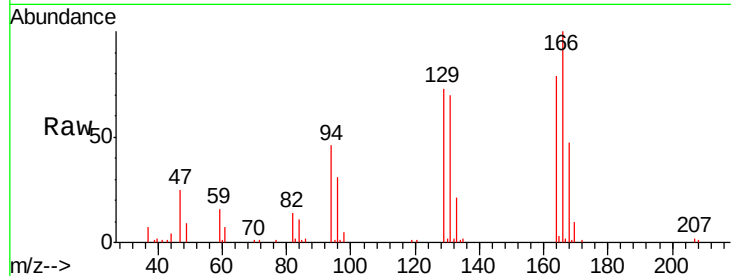
#61
Tetrachloroethene
Concen: 4.75 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	98.7	148.1
129	91.6	69.6	104.4
131	88.3	72.4	108.6

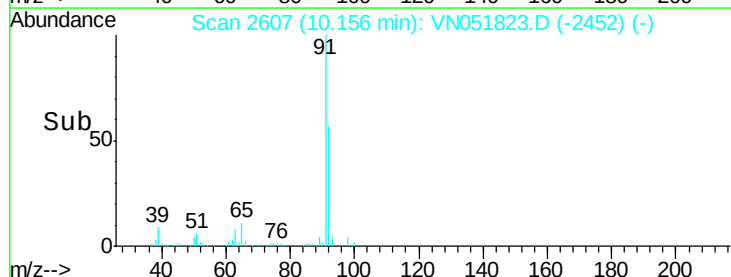
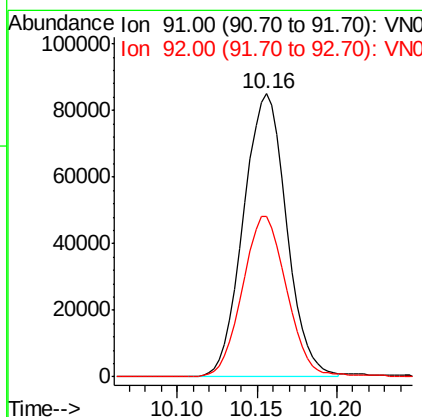
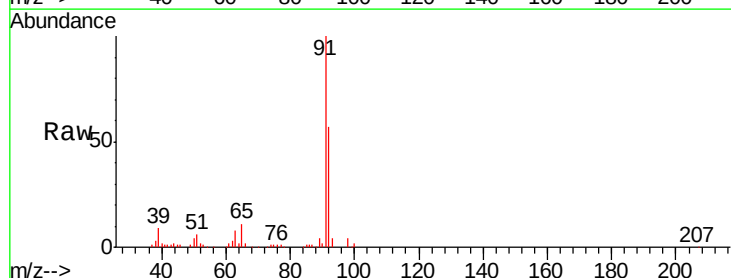
Manual Integrations
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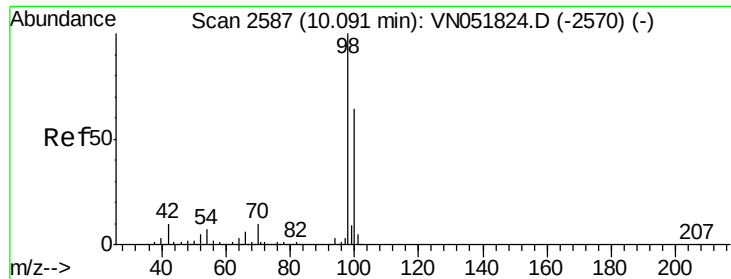
MMDadoda
10/15/2018 11:27:47 AM



#62
Toluene
Concen: 3.97 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.3	44.6	66.8





#63

Toluene-d8

Concen: 3.97 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 98 Resp: 888227

Ion Ratio Lower Upper

98 100

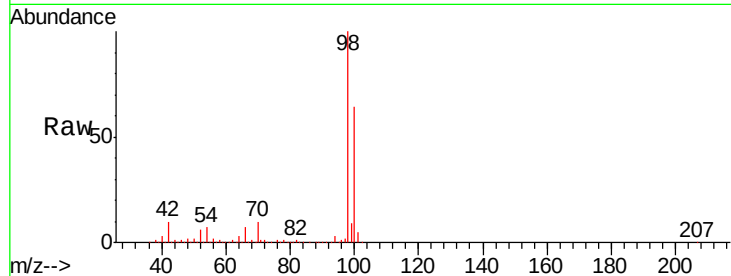
100 63.3 50.8 76.2

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Abundance Ion 98.00 (97.70 to 98.70): VN051823.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051823.D (-2570) (-)

10.09

500000

400000

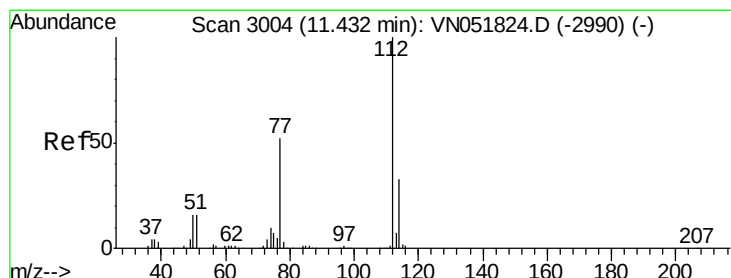
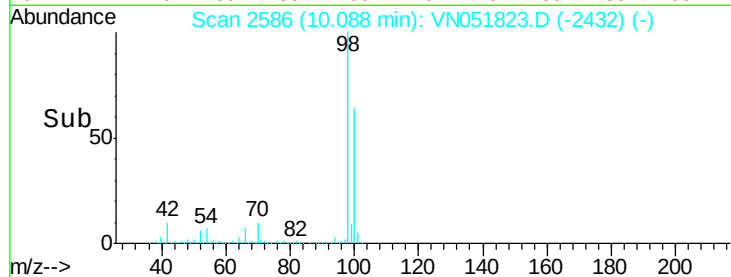
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 4.14 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051823.D

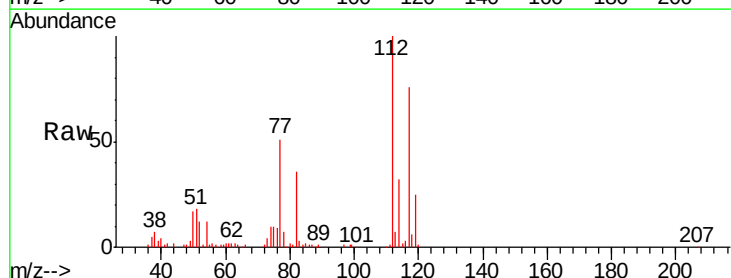
Acq: 12 Oct 2018 8:14

Tgt Ion: 112 Resp: 99982

Ion Ratio Lower Upper

112 100

114 32.2 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): VN051823.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN051823.D (-2849) (-)

11.43

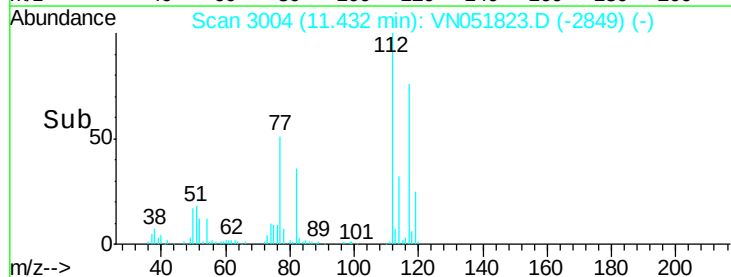
60000

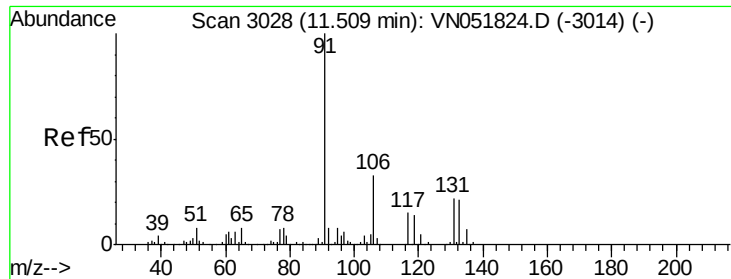
40000

20000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 3.88 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

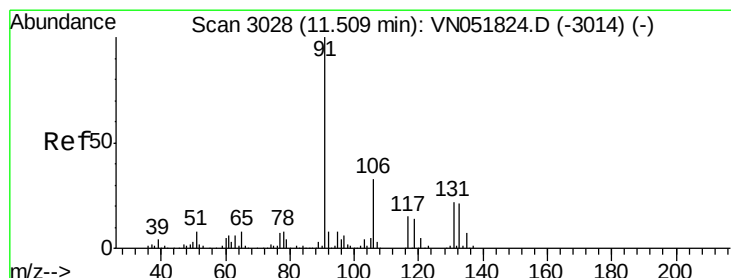
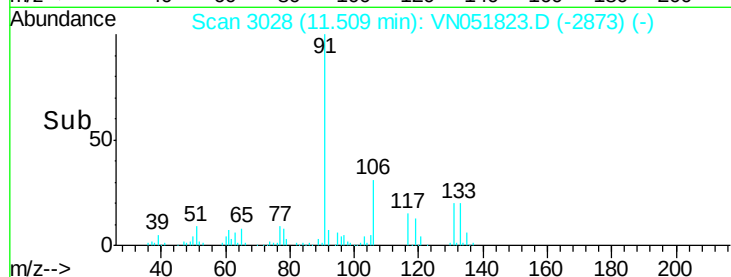
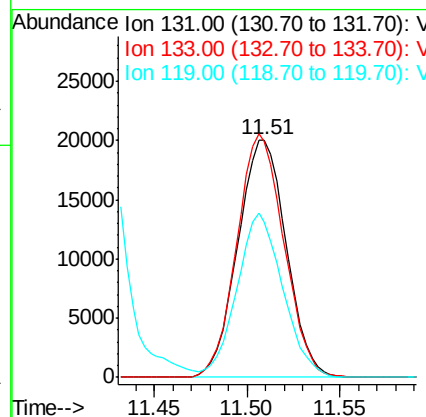
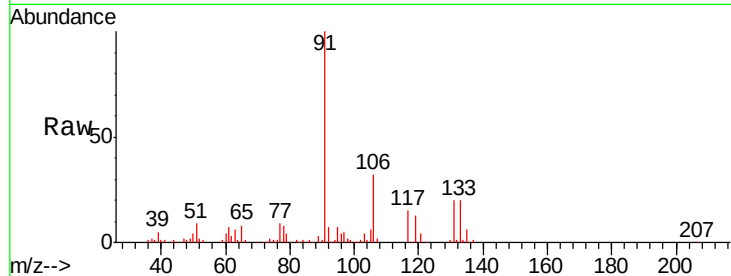
ClientSampleId :

VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	36349		
133	99.6	0.0	190.4	
119	65.5	0.0	128.0	

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#66

Ethyl Benzene

Concen: 4.12 ug/l

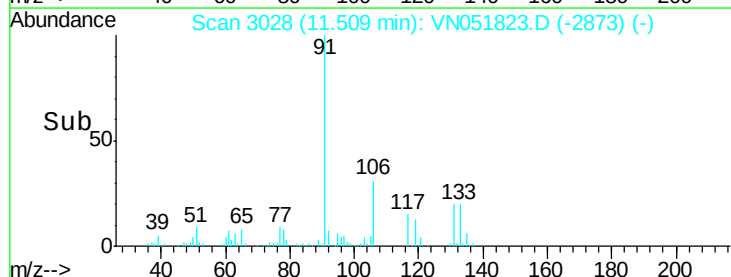
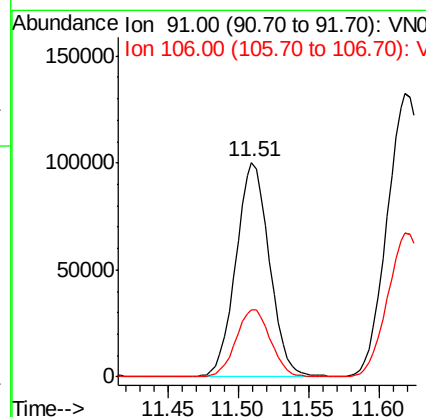
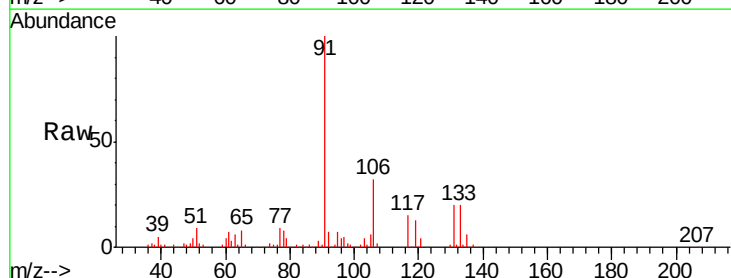
RT: 11.51 min Scan# 3028

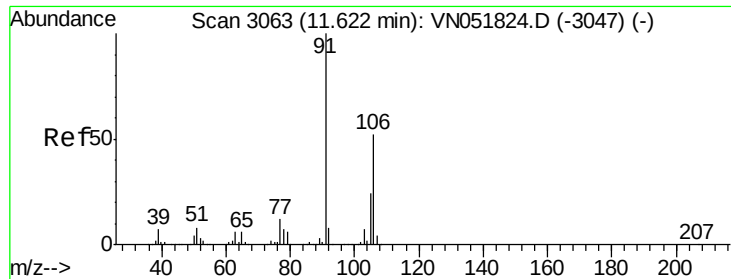
Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	167029		
106	31.5	25.9	38.9	





#67

m/p-Xylenes

Concen: 8.35 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 131708

Ion Ratio Lower Upper

106 100

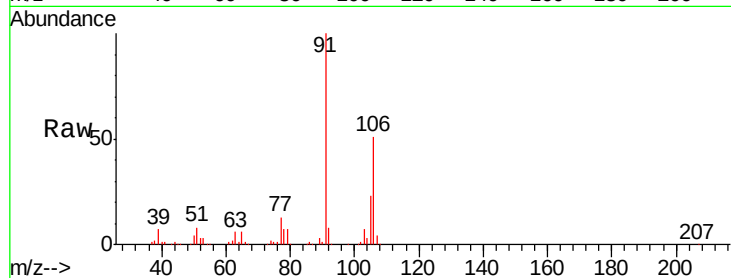
91 196.6 158.8 238.2

Manual Integrations

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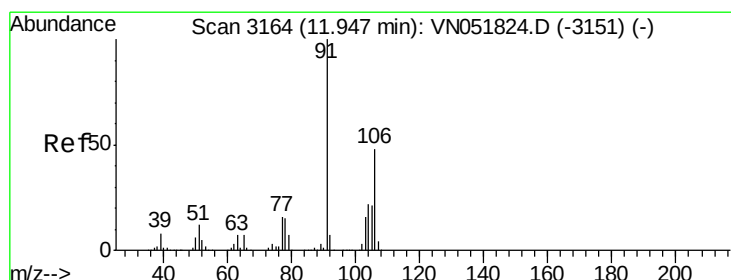
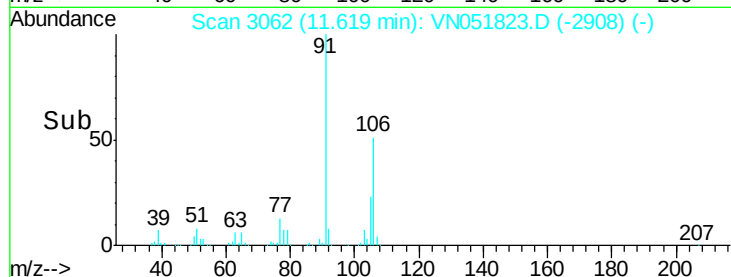
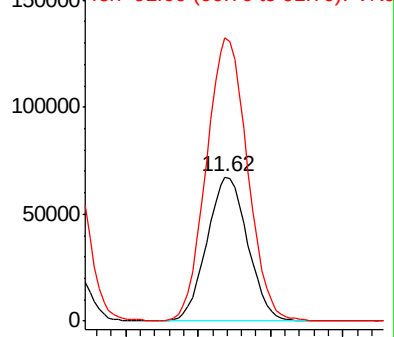
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 4.41 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN051823.D

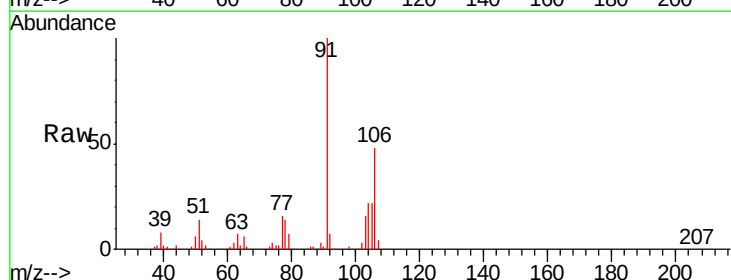
Acq: 12 Oct 2018 8:14

Tgt Ion:106 Resp: 66184

Ion Ratio Lower Upper

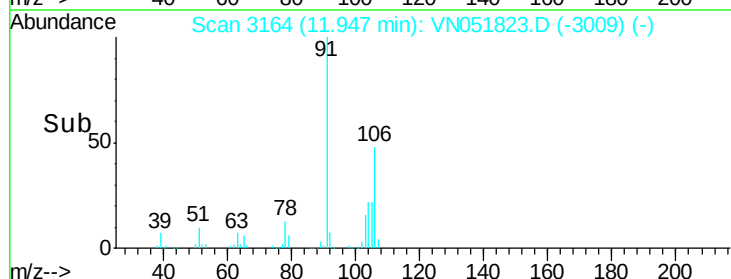
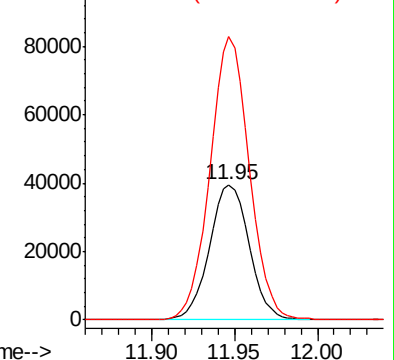
106 100

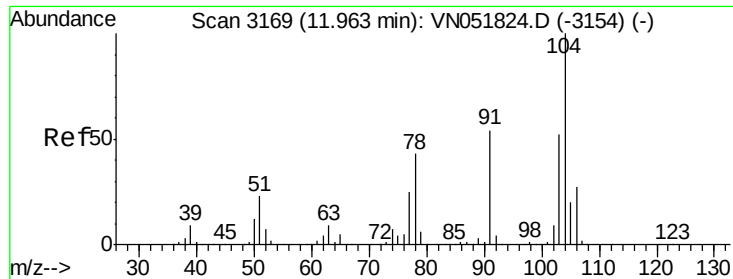
91 206.1 111.1 333.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





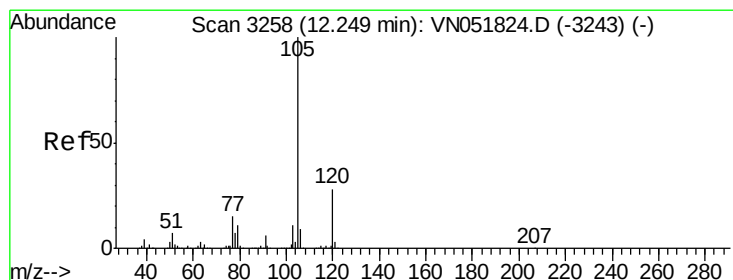
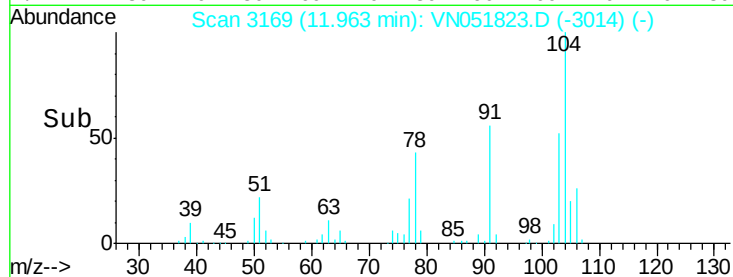
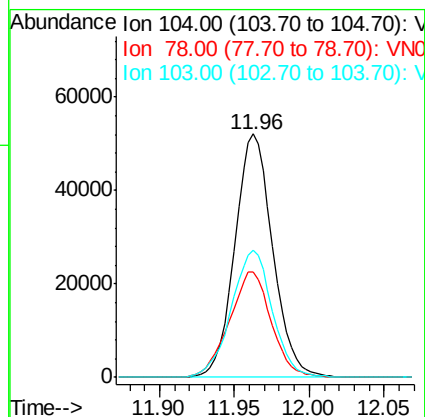
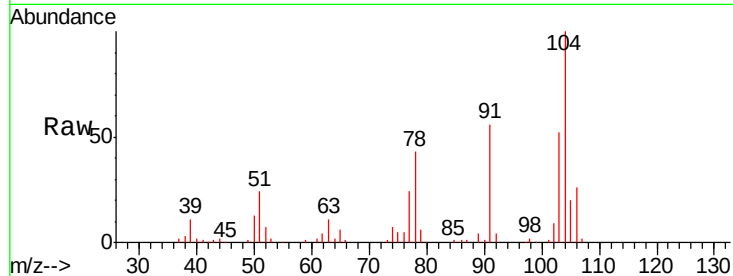
#69
Styrene
 Concen: 3.87 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	40.6	60.8
103	56.6	44.0	66.0

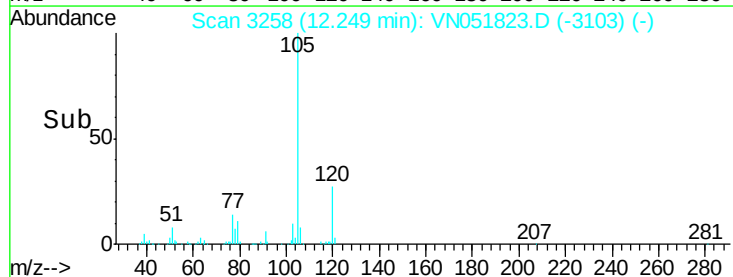
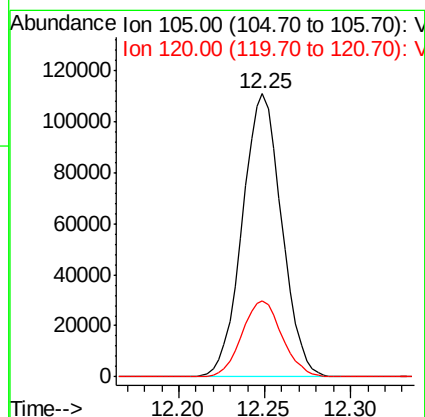
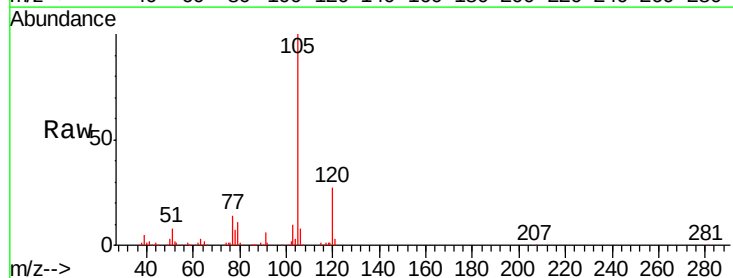
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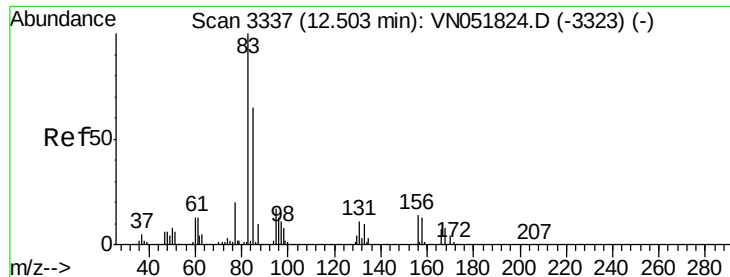
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#70
Isopropylbenzene
 Concen: 4.39 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	19.0	35.4





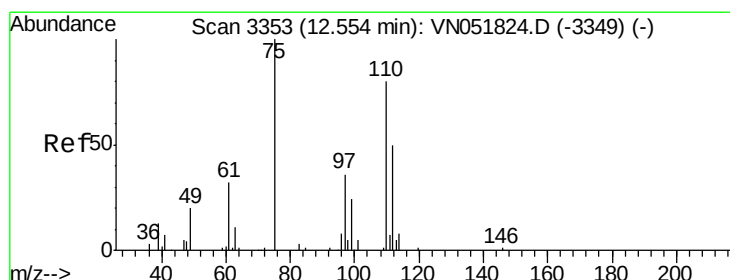
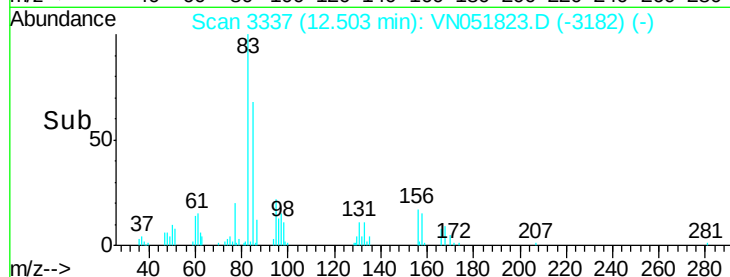
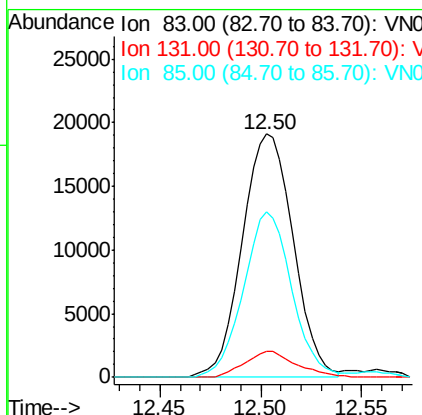
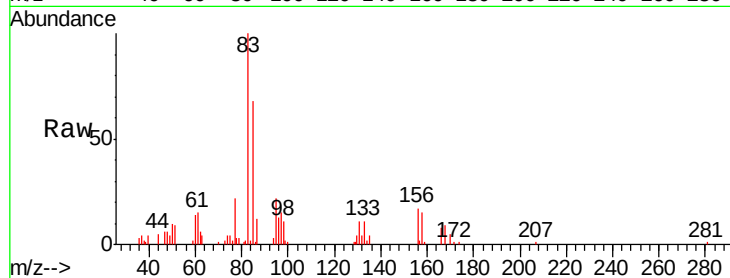
#71
 1,1,2,2-Tetrachloroethane
 Concen: 3.63 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.4
85	64.3	30.6	91.8

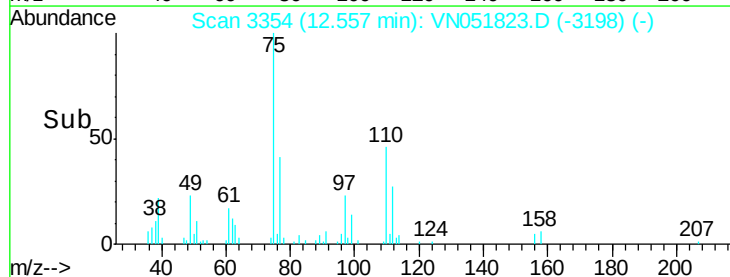
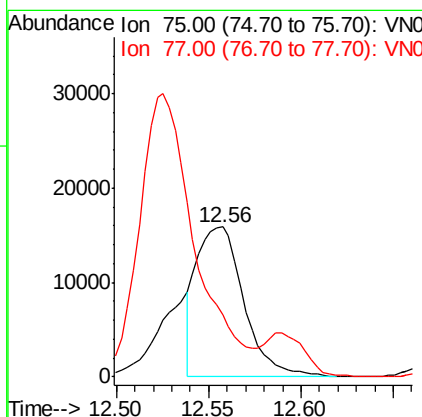
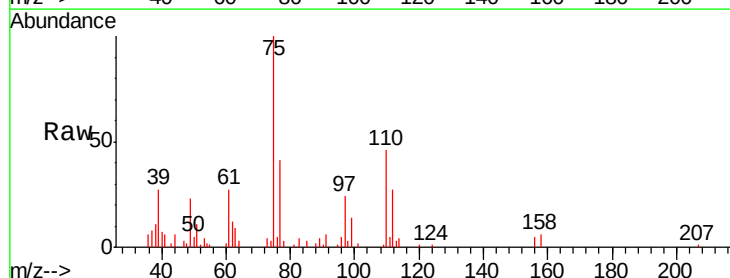
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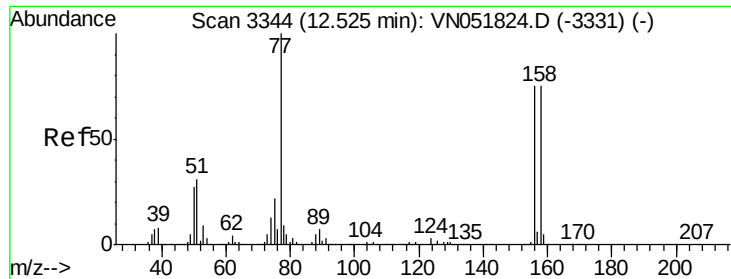
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 3.51 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	24.4	0.0	400.0





#73

Bromobenzene

Concen: 3.85 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

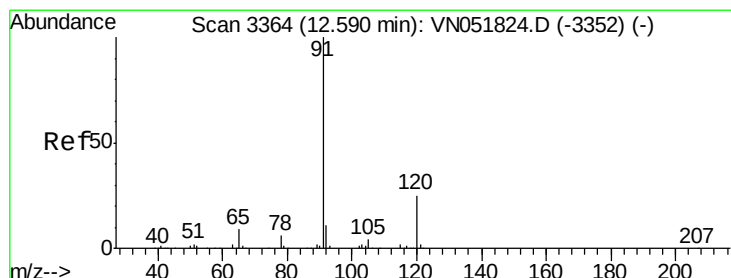
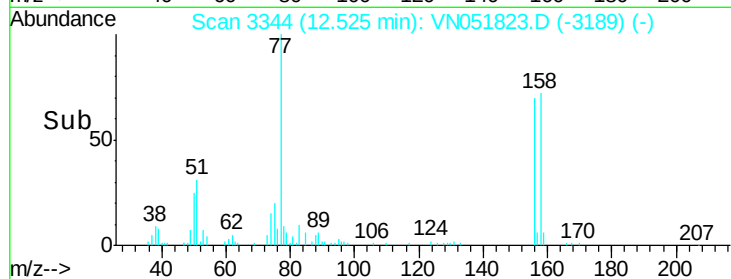
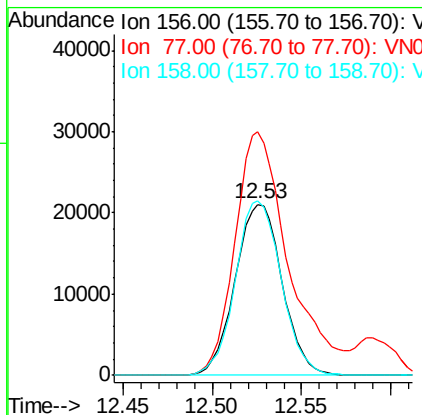
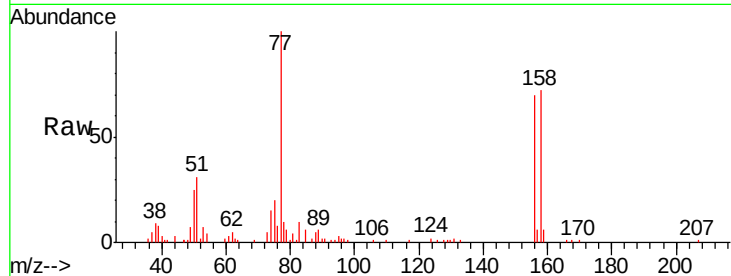
ClientSampleId :

VSTDIC005

Tgt Ion:	156	Resp:	38585
Ion Ratio	Lower	Upper	
156	100		
77	162.1	0.0	377.4
158	99.7	0.0	203.0

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#74

n-propylbenzene

Concen: 3.84 ug/l

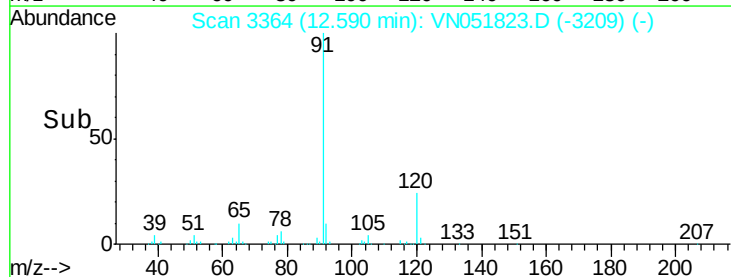
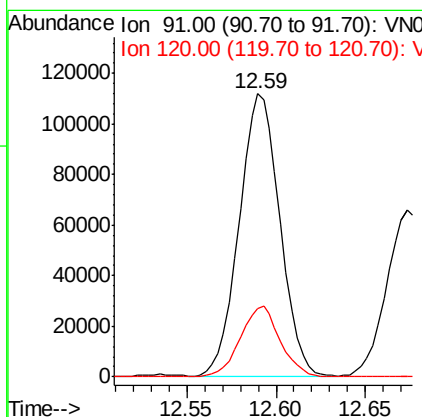
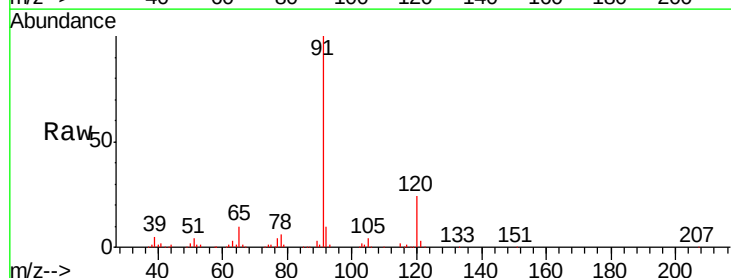
RT: 12.59 min Scan# 3364

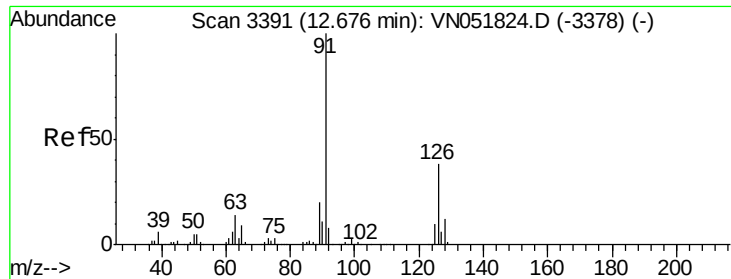
Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Tgt Ion:	91	Resp:	178869
Ion Ratio	Lower	Upper	
91	100		
120	24.3	0.0	45.0





#75

2-Chlorotoluene

Concen: 3.99 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 109740

Ion Ratio Lower Upper

91 100

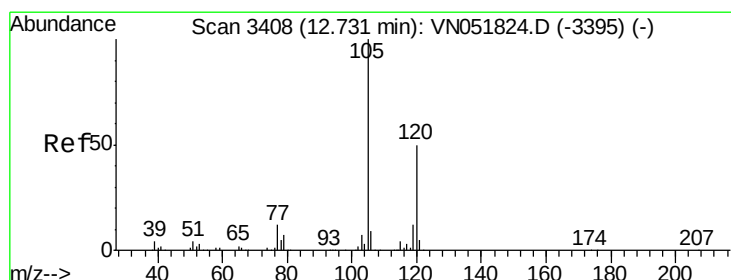
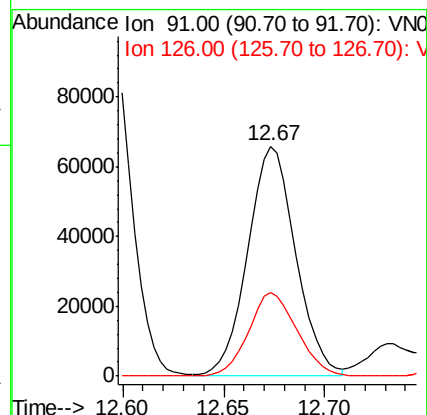
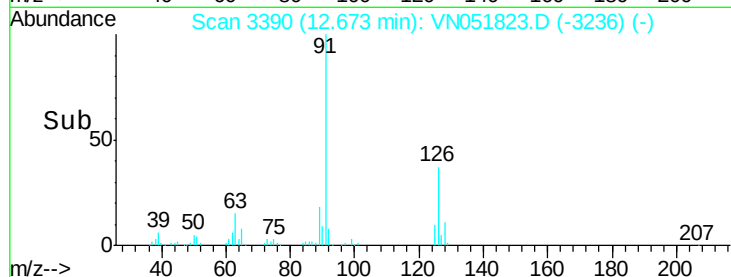
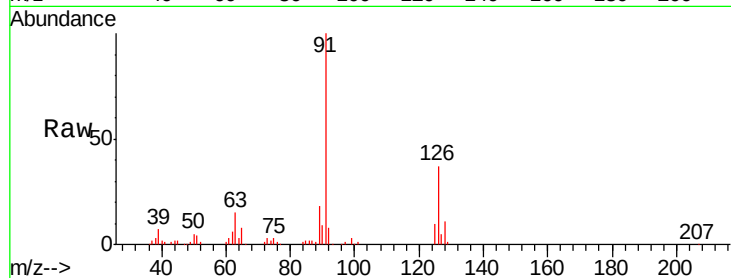
126 36.8 0.0 67.6

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#76

1,3,5-Trimethylbenzene

Concen: 4.15 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051823.D

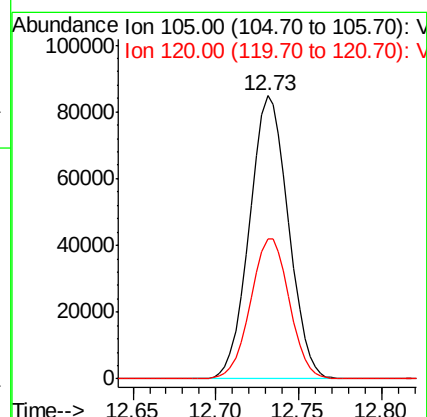
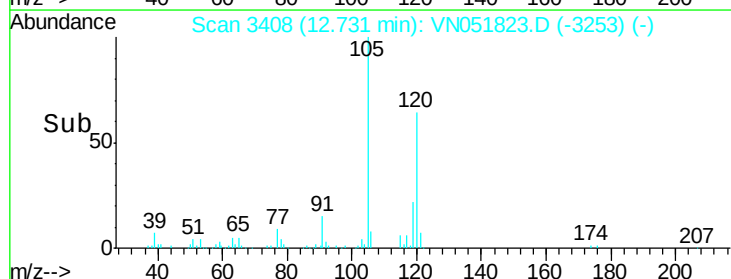
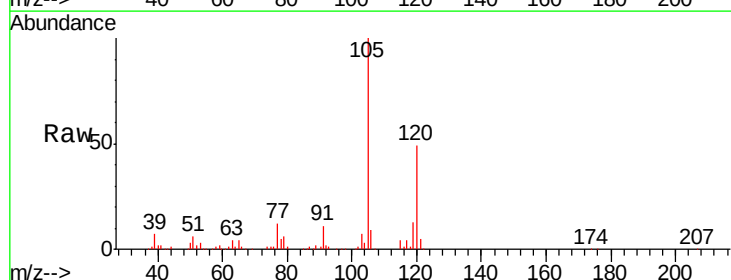
Acq: 12 Oct 2018 8:14

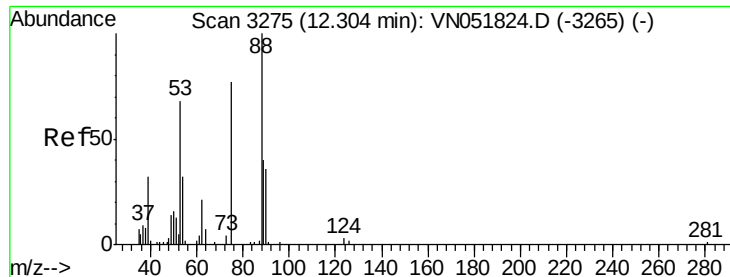
Tgt Ion: 105 Resp: 138012

Ion Ratio Lower Upper

105 100

120 49.5 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 2.72 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 6842

Ion Ratio Lower Upper

75 100

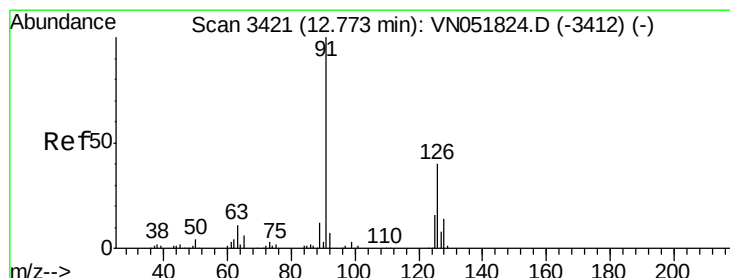
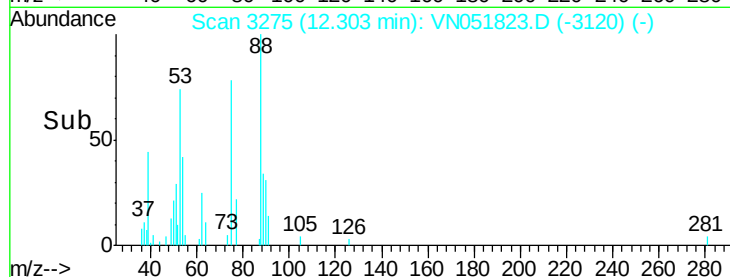
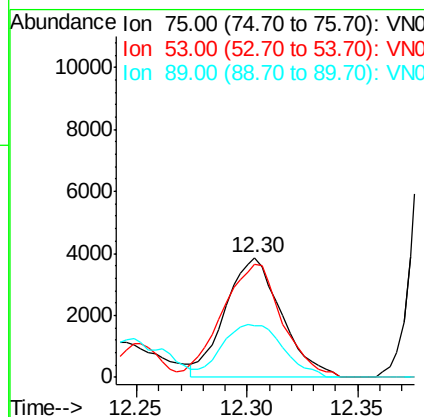
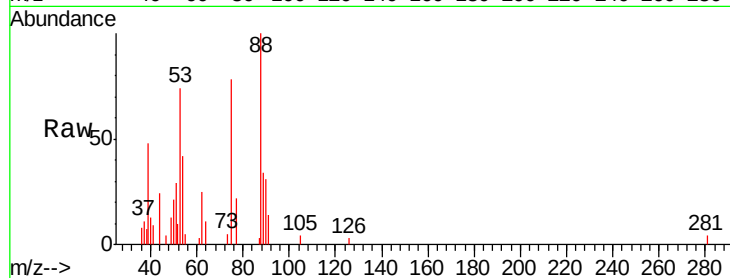
53 94.4 46.3 138.9

89 43.5 24.6 73.8

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#78

4-Chlorotoluene

Concen: 3.55 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051823.D

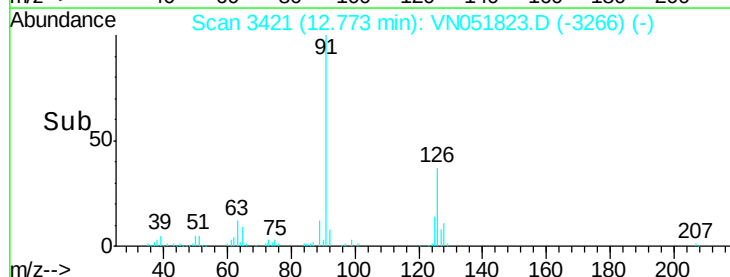
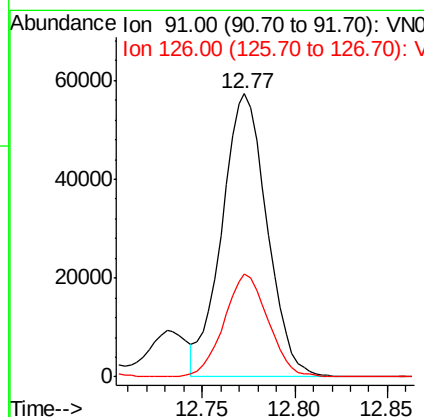
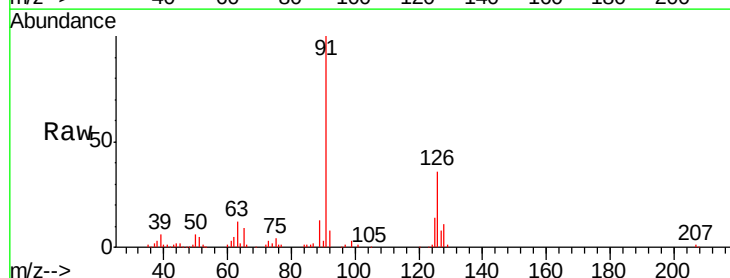
Acq: 12 Oct 2018 8:14

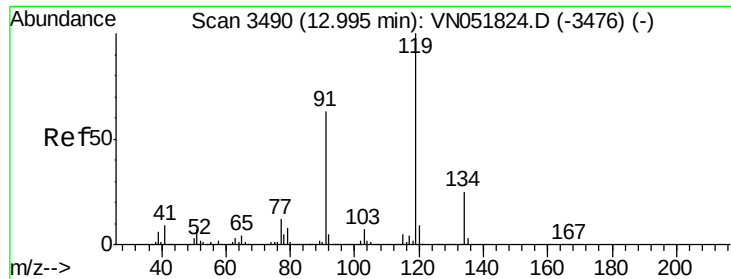
Tgt Ion: 91 Resp: 97010

Ion Ratio Lower Upper

91 100

126 35.4 0.0 65.2





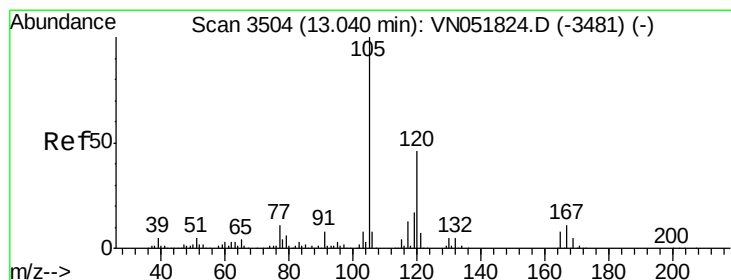
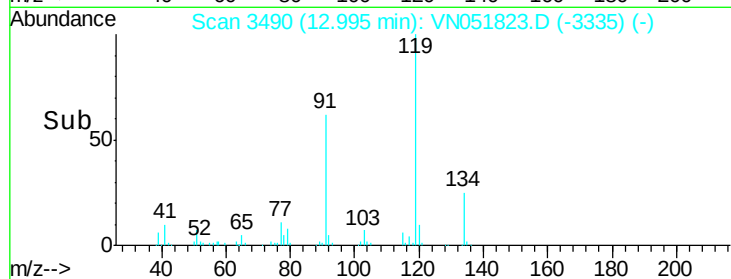
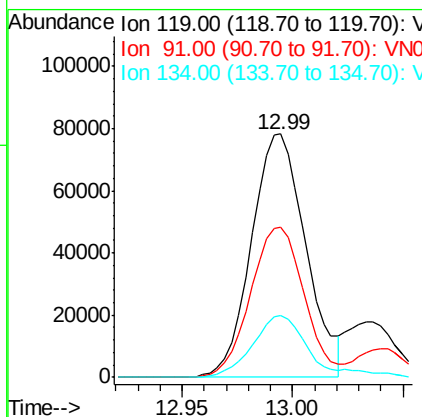
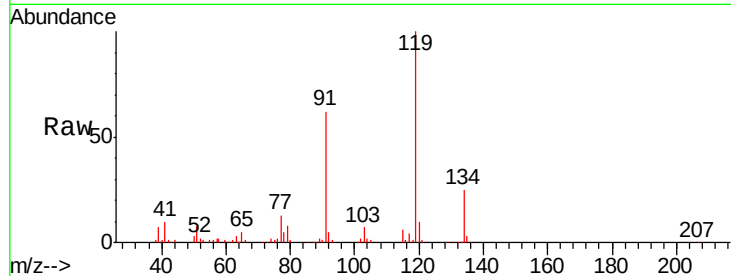
#79
tert-butylbenzene
Concen: 4.66 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	134132		
91	60.9	0.0	131.6	
134	24.3	0.0	46.2	

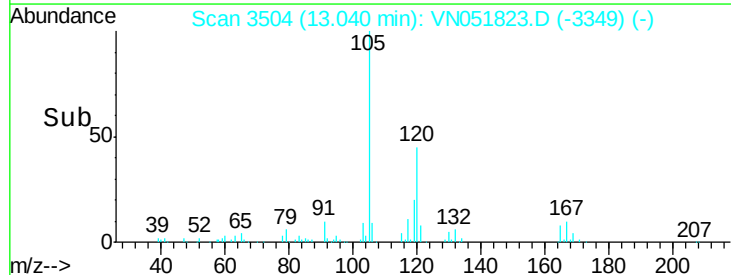
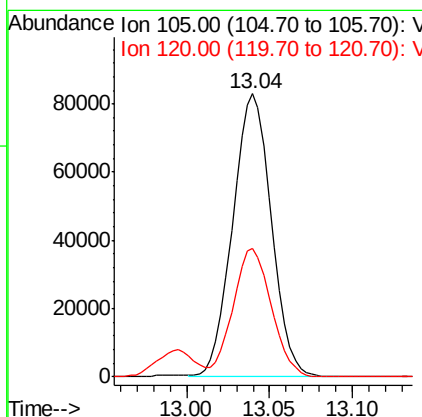
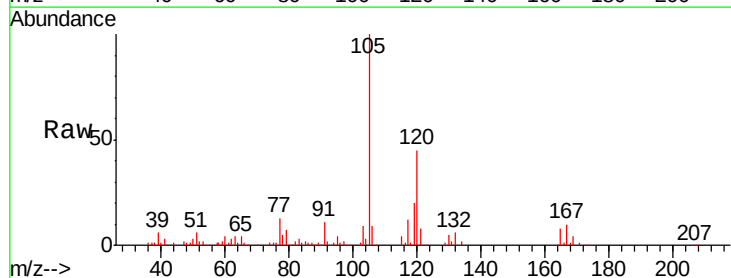
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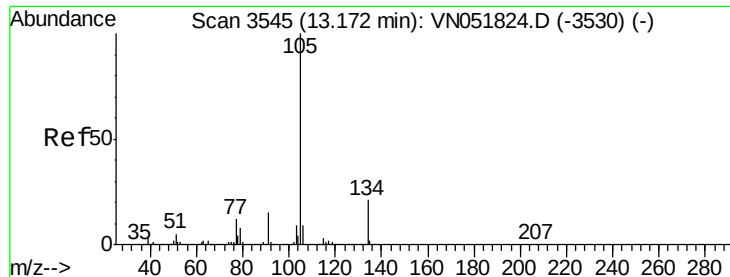
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 4.01 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	134498		
120	45.2	0.0	89.6	





#81

sec-Butylbenzene

Concen: 4.22 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 167518

Ion Ratio Lower Upper

105 100

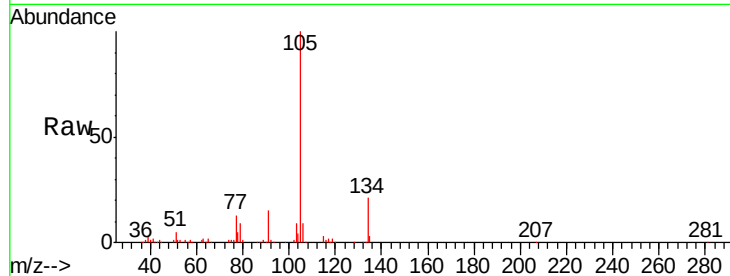
134 21.5 0.0 39.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

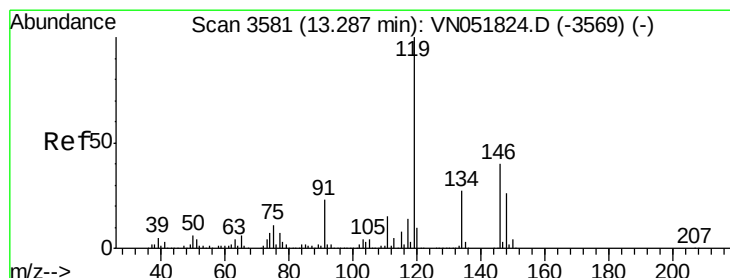
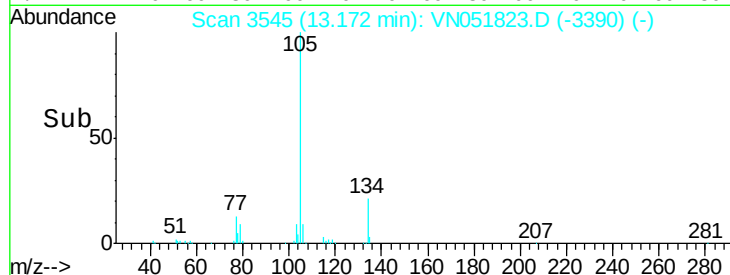
40000

20000

0

13.10 13.15 13.20 13.25

Time-->



#82

p-Isopropyltoluene

Concen: 4.10 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051823.D

Acq: 12 Oct 2018 8:14

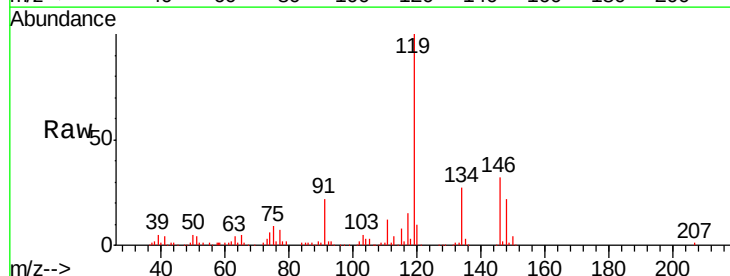
Tgt Ion:119 Resp: 140662

Ion Ratio Lower Upper

119 100

134 27.3 0.0 53.6

91 23.5 0.0 52.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

120000

100000

80000

60000

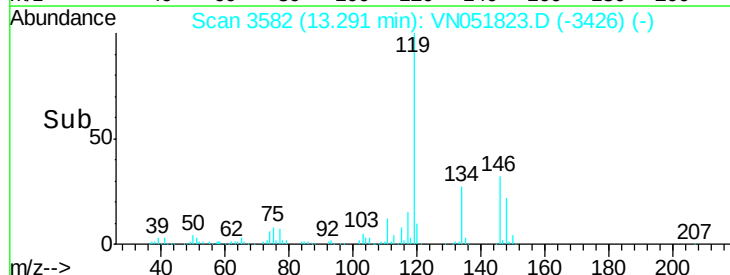
40000

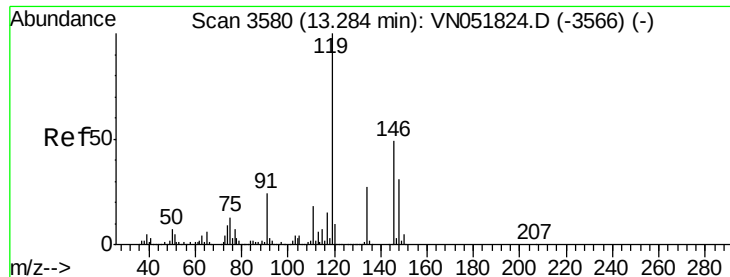
20000

0

13.25 13.30 13.35

Time-->





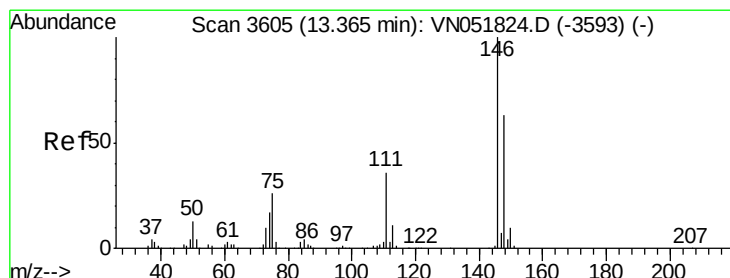
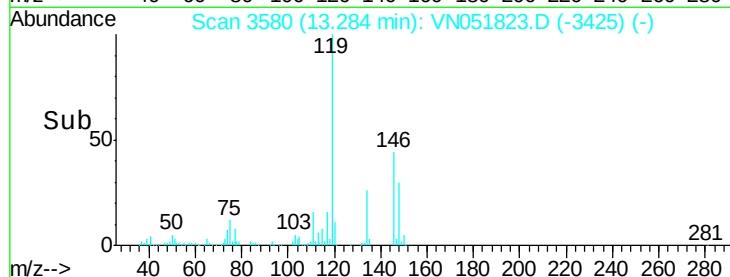
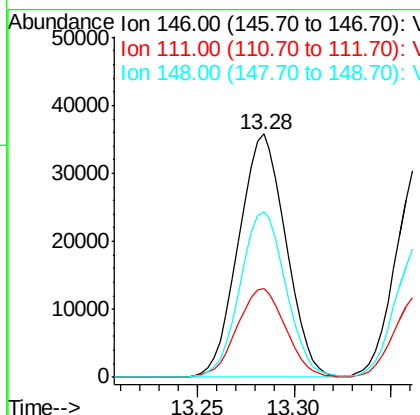
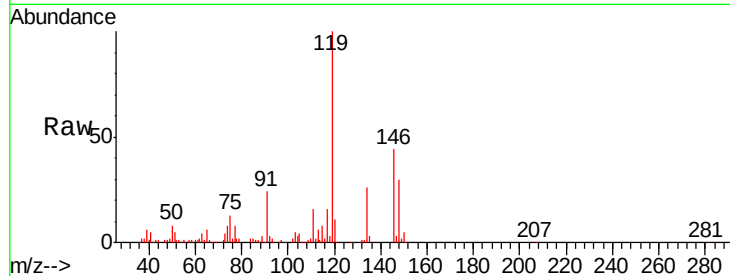
#83
1,3-Dichlorobenzene
Concen: 3.46 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.3
148	66.0	31.3	93.8

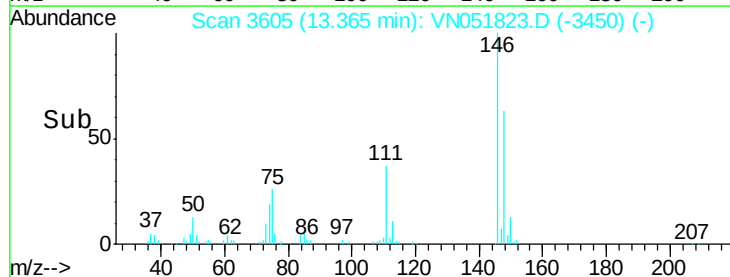
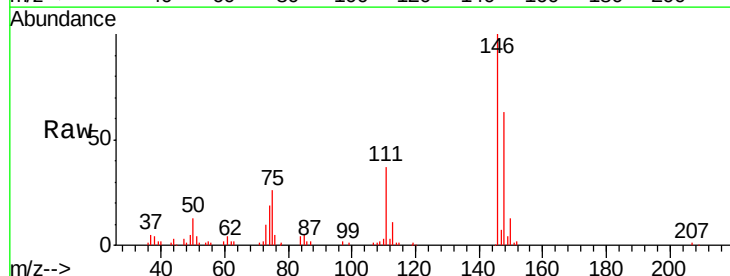
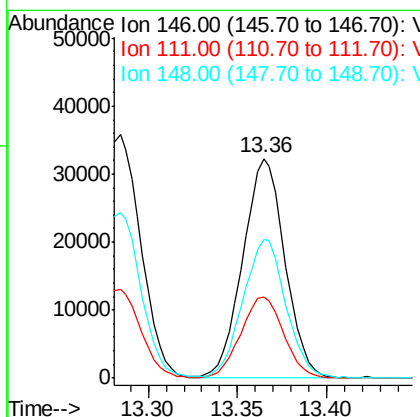
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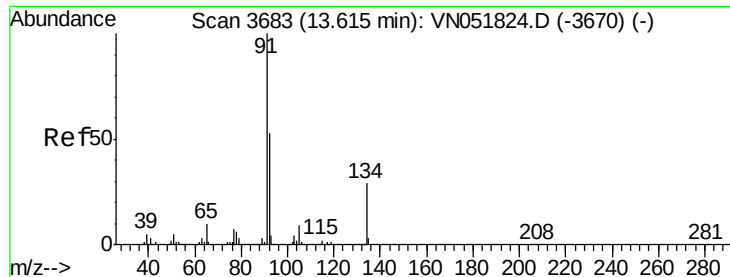
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#84
1,4-Dichlorobenzene
Concen: 3.21 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	17.4	52.2
148	64.8	32.8	98.3





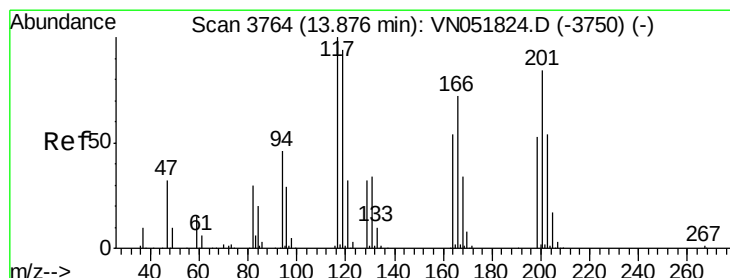
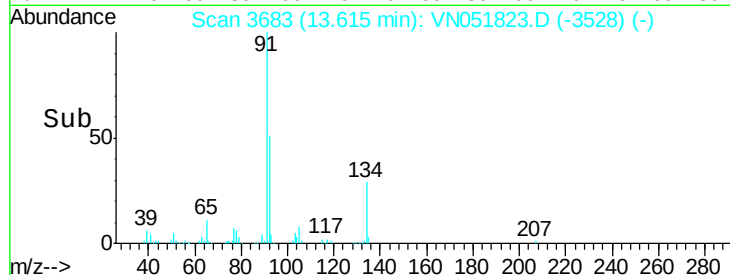
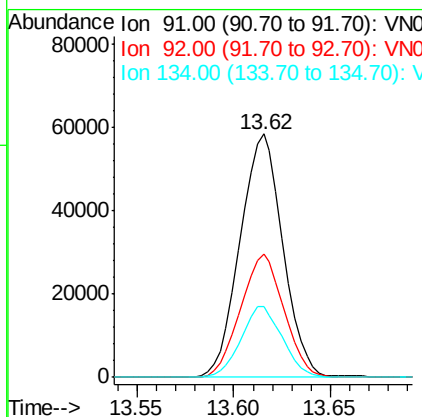
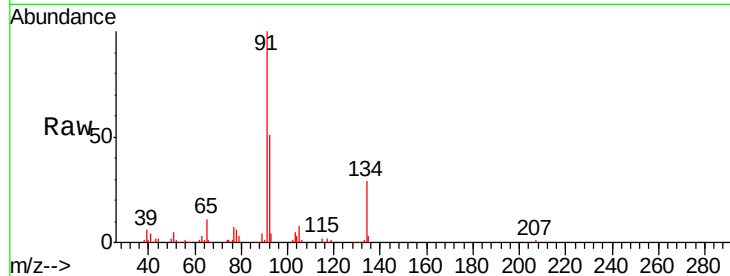
#85
n-Butylbenzene
Concen: 3.24 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	89967		
92	51.3	0.0	97.4	
134	28.2	0.0	49.6	

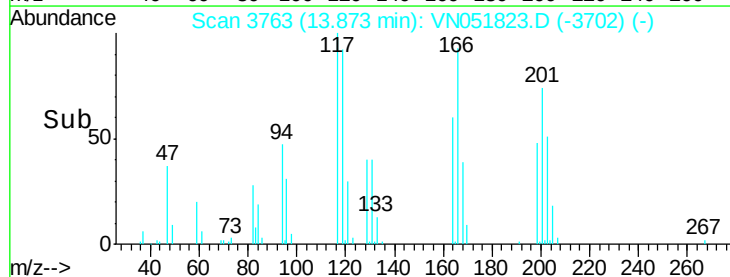
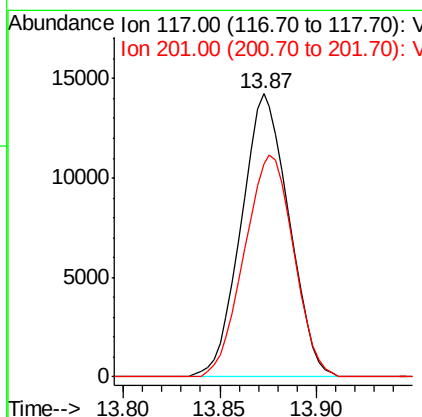
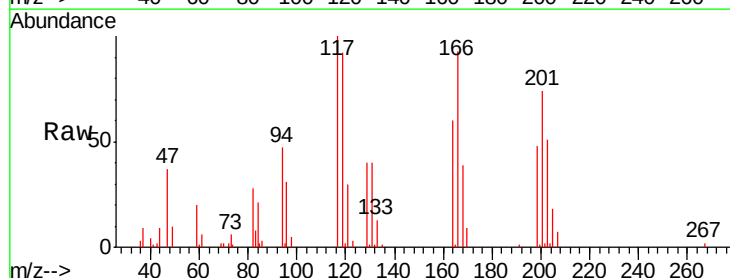
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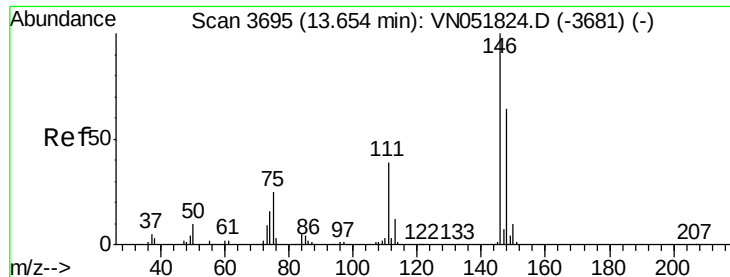
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#86
Hexachloroethane
Concen: 3.59 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	24443		
201	80.9	47.8	143.3	





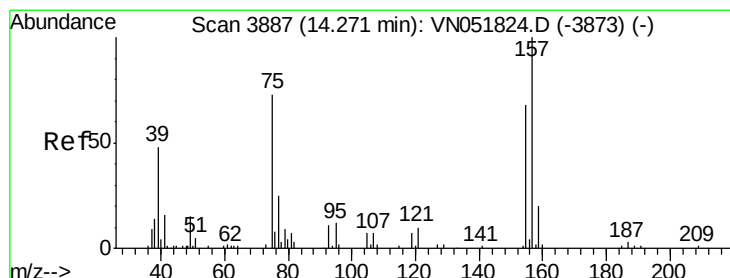
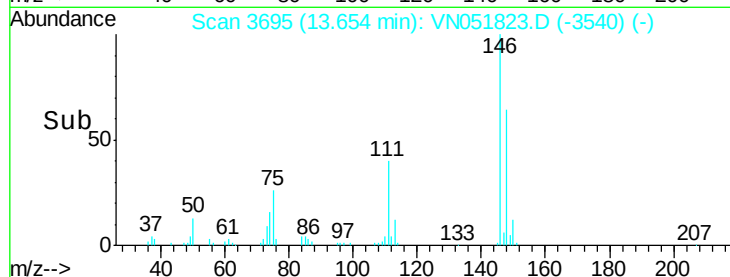
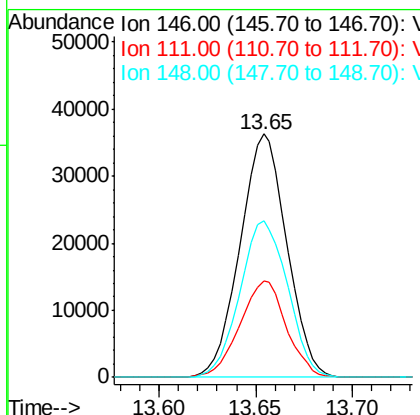
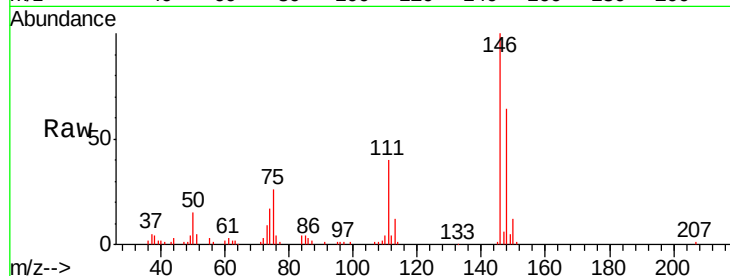
#87
 1,2-Dichlorobenzene
 Concen: 3.62 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.8	62.2
148	65.7	33.2	99.6

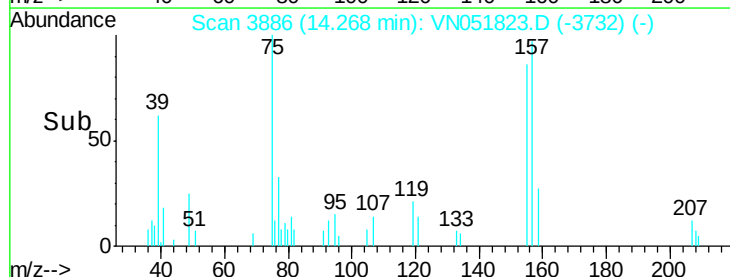
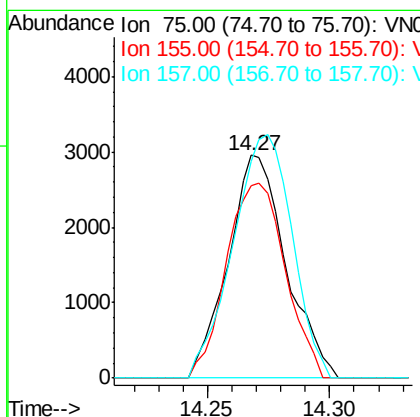
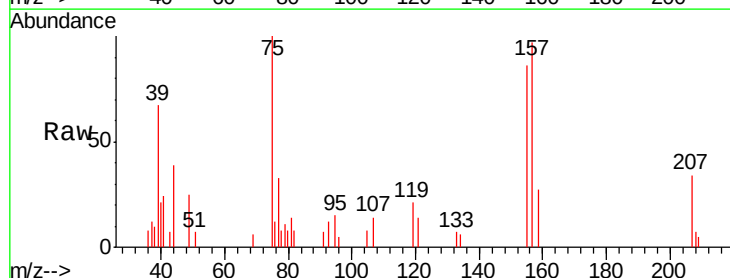
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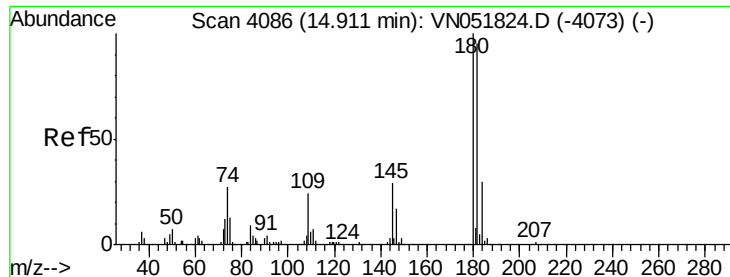
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 3.56 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.1	57.0	85.6#
157	112.0	87.4	131.0





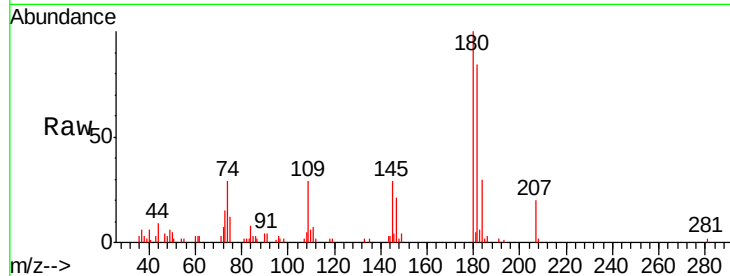
#89
 1,2,4-Trichlorobenzene
 Concen: 2.17 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

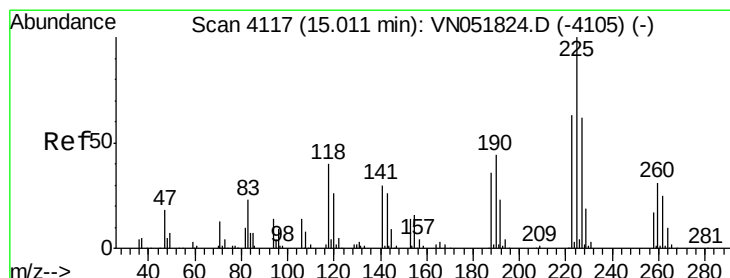
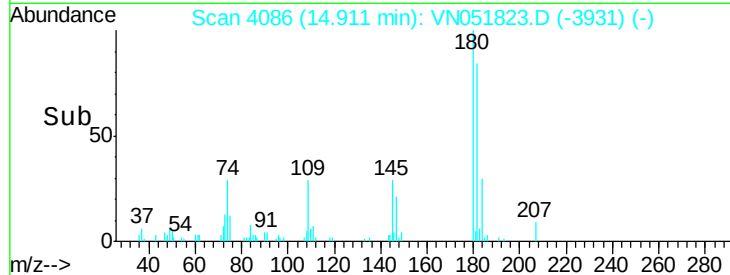
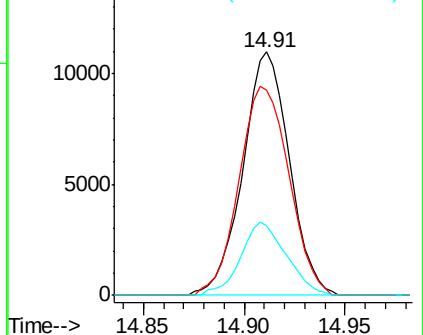
Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.1	77.7	116.5
145	29.6	23.4	35.2

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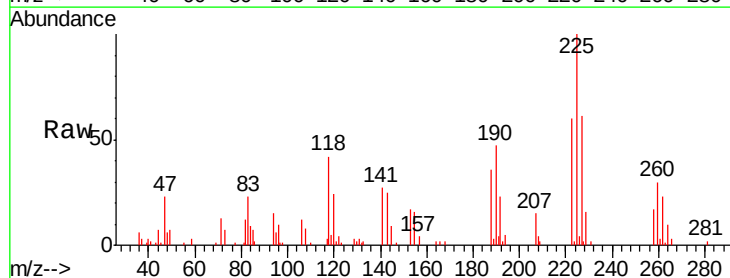


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

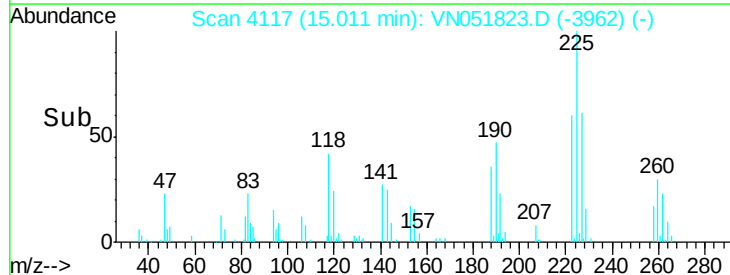
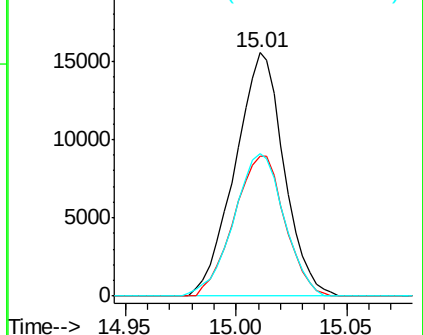


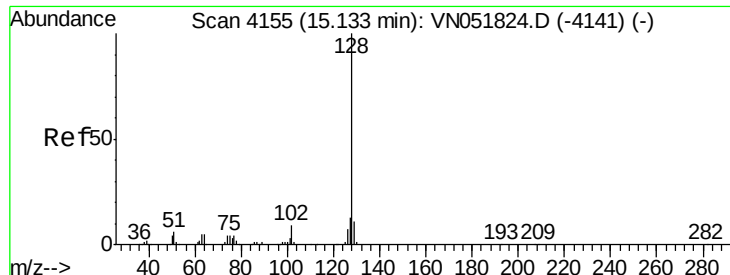
#90
 Hexachlorobutadiene
 Concen: 3.74 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051823.D
 Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.4	0.0	117.0
227	60.2	0.0	127.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





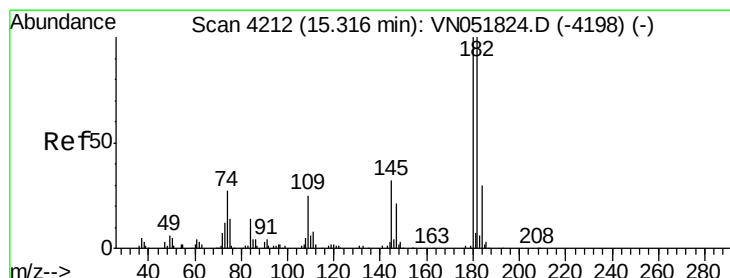
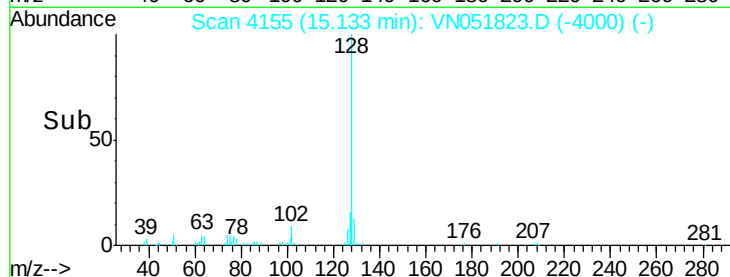
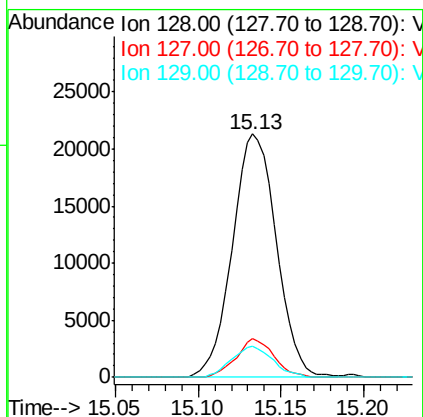
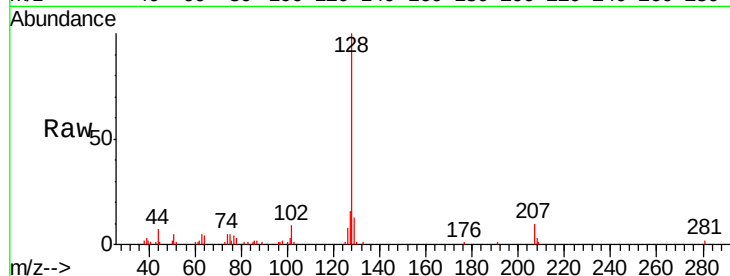
#91
Naphthalene
Concen: 2.63 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	39433		
127	13.6	10.1	15.1	
129	11.8	8.4	12.6	

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#92
1,2,3-Trichlorobenzene
Concen: 2.35 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN051823.D
Acq: 12 Oct 2018 8:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	19304		
182	101.8	0.0	198.0	
145	15.6	0.0	36.8	

