

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101118\
 Data File : VN051803.D
 Acq On : 11 Oct 2018 8:46
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 3:00:19 PM

Quant Time: Oct 11 12:37:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 12:23:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	843879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1238907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1087570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	417209	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	43882	4.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.64%	
35) Dibromofluoromethane	7.59	113	38953	3.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.90%	
50) Toluene-d8	10.09	98	141877	3.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.70%	
62) 4-Bromofluorobenzene	12.40	95	44756	3.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.30%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	25601	2.27	ug/l	100
3) Chloromethane	2.06	50	32531	2.34	ug/l	96
4) Vinyl Chloride	2.18	62	47914	3.63	ug/l	99
5) Bromomethane	2.56	94	40950	4.82	ug/l	90
6) Chloroethane	2.70	64	34708	4.55	ug/l	97
7) Trichlorofluoromethane	3.01	101	67878	4.02	ug/l	93
8) Diethyl Ether	3.41	74	19400	3.38	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.77	101	35747m	3.39	ug/l	
10) Methyl Iodide	3.95	142	38188	4.56	ug/l	94
11) Tert butyl alcohol	4.80	59	15541	24.02	ug/l #	83
12) 1,1-Dichloroethene	3.73	96	32420	3.42	ug/l	93
13) Acrolein	3.62	56	16341	46.24	ug/l	97
14) Allyl chloride	4.33	41	43420	2.94	ug/l #	82
15) Acrylonitrile	5.00	53	50057	15.23	ug/l	98
16) Acetone	3.82	43	49410	18.00	ug/l	98
17) Carbon Disulfide	4.05	76	86377	2.72	ug/l	100
18) Methyl Acetate	4.33	43	30172	3.15	ug/l	92
19) Methyl tert-butyl Ether	5.04	73	101940m	4.28	ug/l	
20) Methylene Chloride	4.55	84	39569	3.46	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	37227	3.63	ug/l	87
22) Diisopropyl ether	5.96	45	90915	3.09	ug/l #	90
23) Vinyl Acetate	5.90	43	323642	17.07	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	62518	3.31	ug/l	98
25) 2-Butanone	6.84	43	66202	16.17	ug/l	97
26) 2,2-Dichloropropane	6.82	77	61205	4.03	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	42290	3.83	ug/l	96
28) Bromochloromethane	7.20	49	25464	3.17	ug/l #	77
29) Tetrahydrofuran	7.22	42	35491	15.12	ug/l #	79
30) Chloroform	7.37	83	73316	3.92	ug/l	93
31) Cyclohexane	7.66	56	66920m	3.57	ug/l	
32) 1,1,1-Trichloroethane	7.57	97	67098	4.17	ug/l	97
36) 1,1-Dichloropropene	7.80	75	52672	3.60	ug/l	98
37) Ethyl Acetate	6.93	43	27320	3.25	ug/l #	79
38) Carbon Tetrachloride	7.78	117	59077	4.00	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	61809	3.91	ug/l	87
40) Benzene	8.04	78	151666	3.44	ug/l	95
41) Methacrylonitrile	7.18	41	12696	2.79	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	52758	4.00	ug/l	99
43) Isopropyl Acetate	8.17	43	59760	4.14	ug/l	95
44) Trichloroethene	8.83	130	45805	3.94	ug/l	97
45) 1,2-Dichloropropane	9.12	63	36946	3.19	ug/l	96
46) Dibromomethane	9.21	93	26700	3.92	ug/l	99
47) Bromodichloromethane	9.40	83	53410	3.75	ug/l	99
48) Methyl methacrylate	9.20	41	23803	3.23	ug/l #	81
49) 1,4-Dioxane	9.21	88	7616m	75.92	ug/l	
51) 4-Methyl-2-Pentanone	9.99	43	134008	15.55	ug/l	99
52) Toluene	10.16	92	97236	3.72	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	51026	3.60	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	58449	3.60	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	35731	3.69	ug/l	97
56) Ethyl methacrylate	10.43	69	40938	3.72	ug/l #	94
57) 1,3-Dichloropropane	10.71	76	58347	3.65	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	90885	19.36	ug/l	90
59) 2-Hexanone	10.75	43	96951	16.90	ug/l	98
60) Dibromochloromethane	10.90	129	40255	3.71	ug/l	99
61) 1,2-Dibromoethane	11.01	107	36134	3.86	ug/l	98
64) Tetrachloroethene	10.63	164	45229	4.38	ug/l	94
65) Chlorobenzene	11.44	112	110051	3.87	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	40170	3.86	ug/l	99
67) Ethyl Benzene	11.51	91	181978	3.94	ug/l	96
68) m/p-Xylenes	11.62	106	144888	8.26	ug/l	97
69) o-Xylene	11.95	106	69997	4.15	ug/l	97
70) Styrene	11.97	104	102081	3.87	ug/l	98
71) Bromoform	12.13	173	25818	3.61	ug/l #	95
73) Isopropylbenzene	12.25	105	190220	5.51	ug/l	99
74) N-amyl acetate	12.07	43	35374	4.08	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	40775	4.38	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	33814m	4.63	ug/l	
77) Bromobenzene	12.53	156	44462	4.74	ug/l	92
78) n-propylbenzene	12.59	91	189698	4.92	ug/l	96
79) 2-Chlorotoluene	12.68	91	117547	4.89	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	149129	5.35	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	9713	4.49	ug/l	91
82) 4-Chlorotoluene	12.77	91	110280	4.65	ug/l	98
83) tert-Butylbenzene	12.99	119	141392	5.86	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	147357	5.26	ug/l	99
85) sec-Butylbenzene	13.17	105	180160	5.70	ug/l	99
86) p-Isopropyltoluene	13.29	119	151862	5.63	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	70395	4.42	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	69291	4.42	ug/l	95
89) n-Butylbenzene	13.62	91	105165	4.88	ug/l	98
90) Hexachloroethane	13.88	117	28747	5.15	ug/l	84
91) 1,2-Dichlorobenzene	13.65	146	70042	4.56	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5714	4.61	ug/l	98

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VSTDICC005

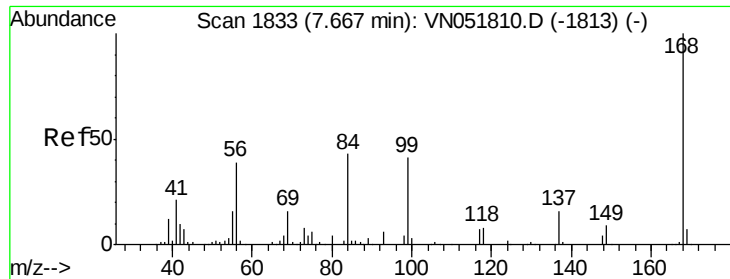
Manual Integrations
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MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	21317	3.19	ug/l	96
94) Hexachlorobutadiene	15.01	225	24187	4.83	ug/l	96
95) Naphthalene	15.14	128	45210	3.42	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	23633	3.63	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 168 Resp: 843879

Ion Ratio Lower Upper

168 100

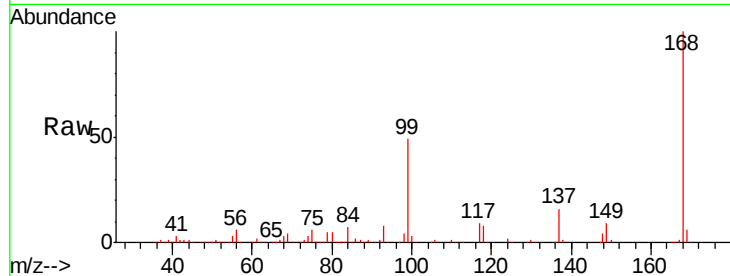
99 49.1 39.6 59.4

Manual Integrations

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10/15/2018 3:00:19 PM



Abundance Ion 167.90 (167.60 to 168.60): VN051810.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051810.D (-1813) (-)

7.67

400000

300000

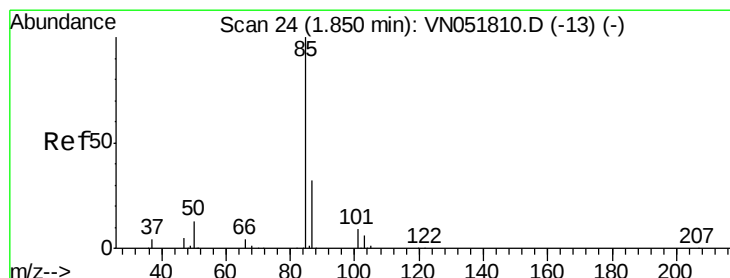
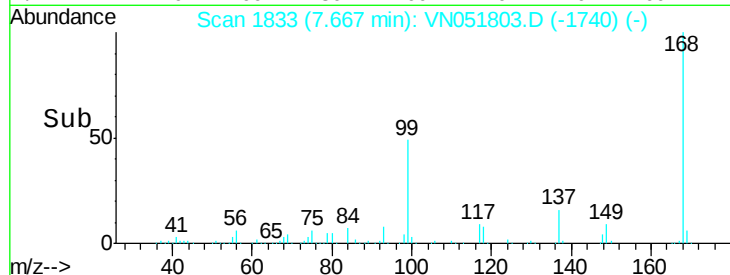
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 2.27 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051803.D

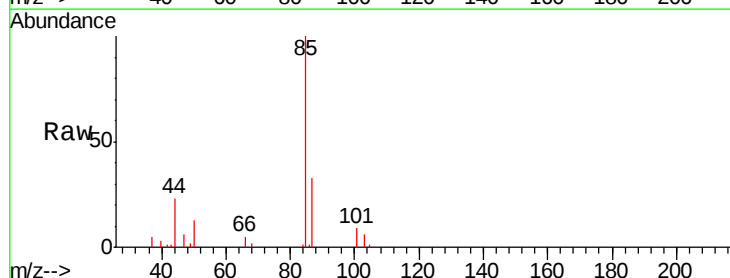
Acq: 11 Oct 2018 8:46

Tgt Ion: 85 Resp: 25601

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN051810.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051810.D (-13) (-)

1.85

20000

15000

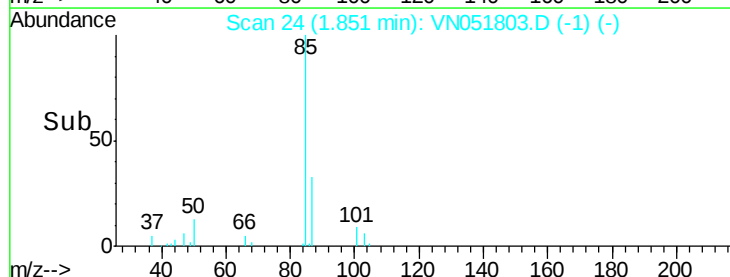
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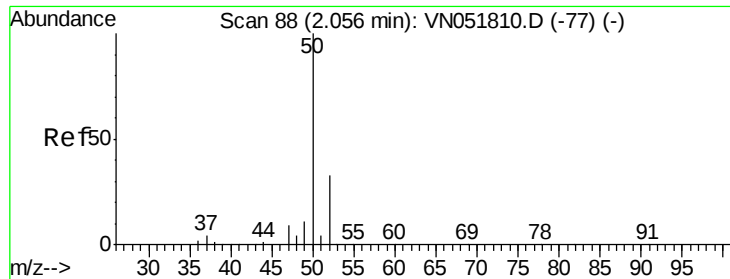
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 2.34 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 32531

Ion Ratio Lower Upper

50 100

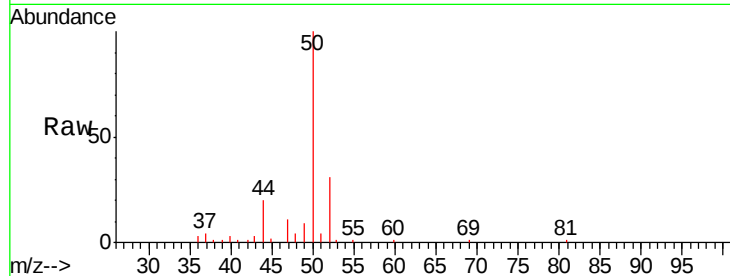
52 30.8 26.3 39.5

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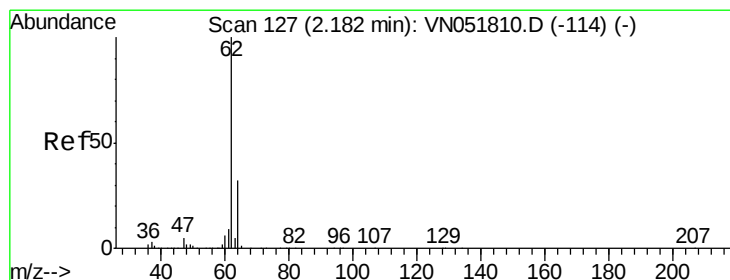
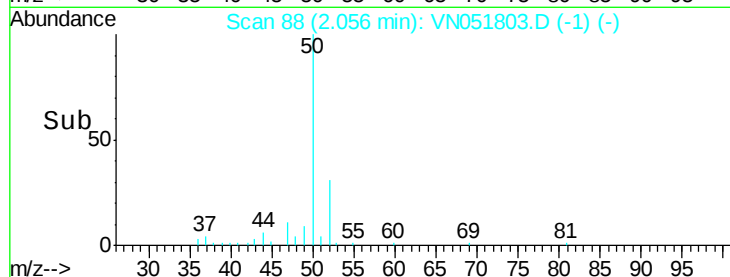
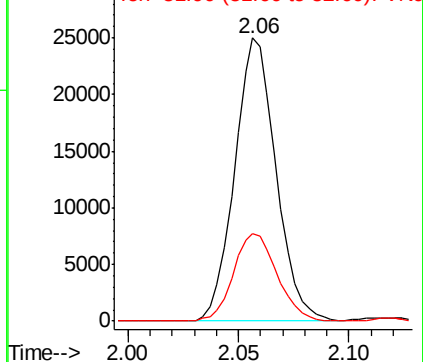
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 3.63 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051803.D

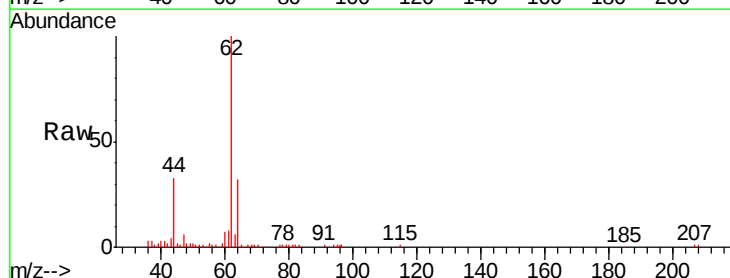
Acq: 11 Oct 2018 8:46

Tgt Ion: 62 Resp: 47914

Ion Ratio Lower Upper

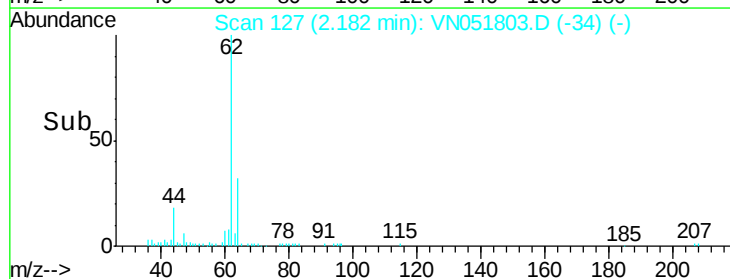
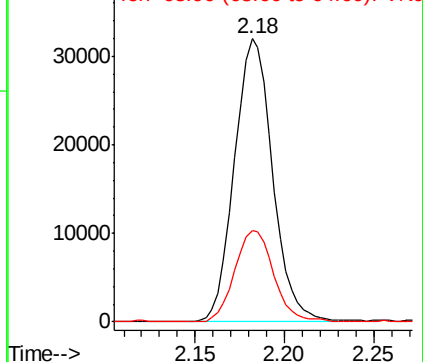
62 100

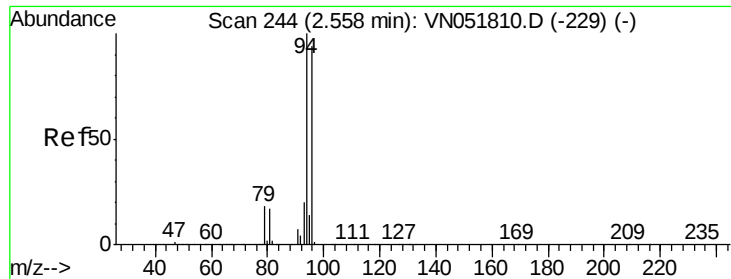
64 32.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 4.82 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

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Acq: 11 Oct 2018 8:46

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VSTDIC005

Tgt Ion: 94 Resp: 40950

Ion Ratio Lower Upper

94 100

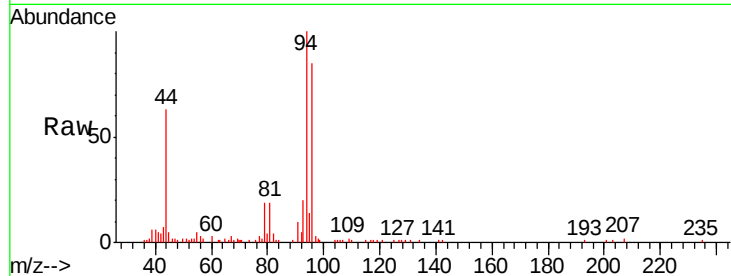
96 85.2 76.2 114.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN051810.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051810.D (-229) (-)

25000

20000

15000

10000

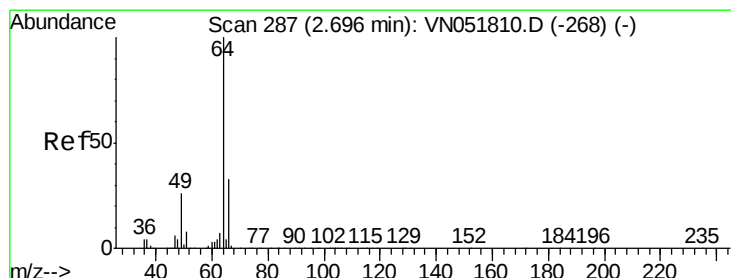
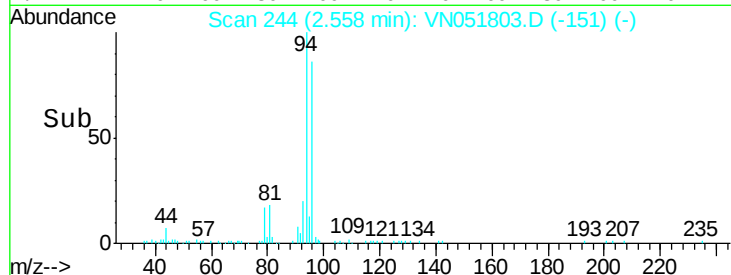
5000

0

Time-->

2.50 2.55 2.60

2.56



#6

Chloroethane

Concen: 4.55 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN051803.D

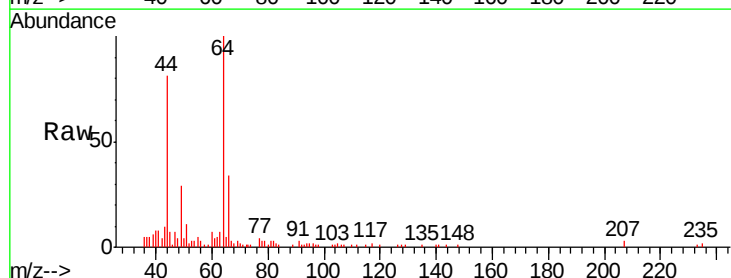
Acq: 11 Oct 2018 8:46

Tgt Ion: 64 Resp: 34708

Ion Ratio Lower Upper

64 100

66 33.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN051810.D (-268) (-)

Ion 65.90 (65.60 to 66.60): VN051810.D (-268) (-)

20000

15000

10000

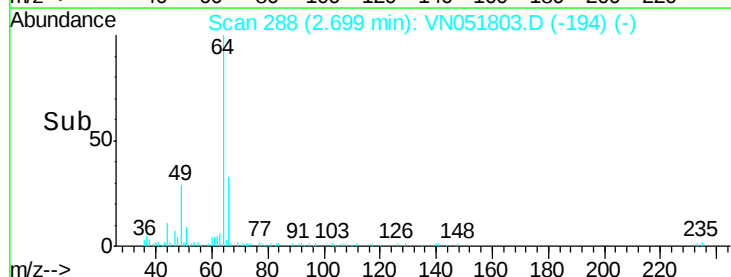
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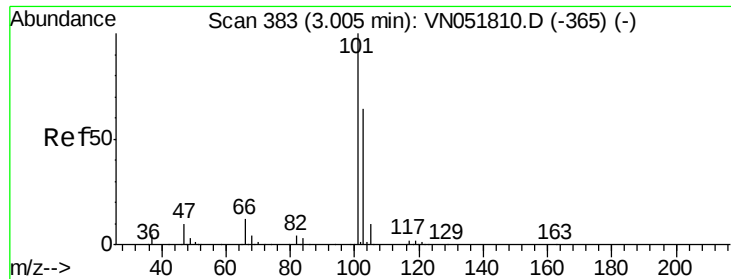
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Time-->

2.65 2.70 2.75

2.70





#7

Trichlorofluoromethane

Concen: 4.02 ug/l

RT: 3.01 min Scan# 384

Delta R.T. 0.00 min

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VSTDIC005

Tgt Ion:101 Resp: 67878

Ion Ratio Lower Upper

101 100

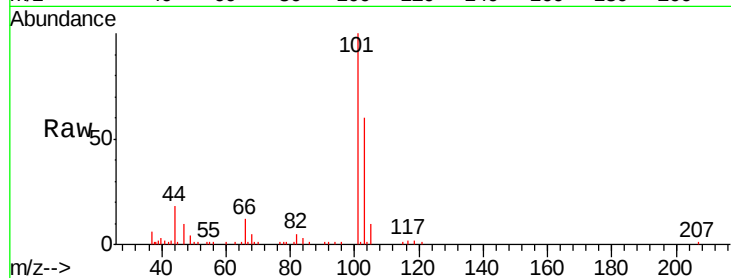
103 59.2 51.6 77.4

Manual Integrations

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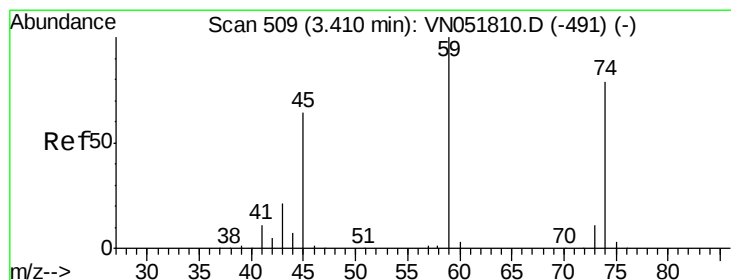
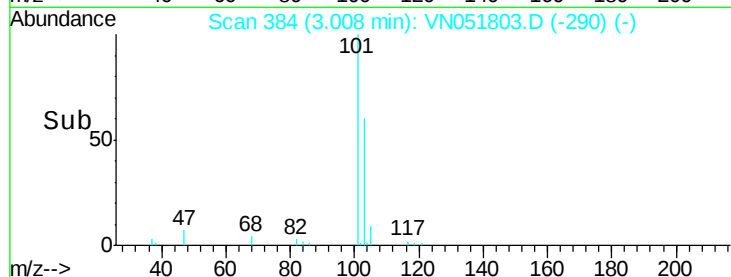
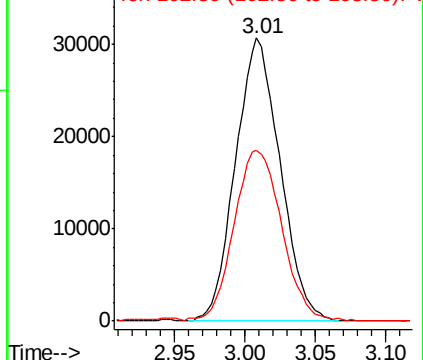
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10/15/2018 3:00:19 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 3.38 ug/l

RT: 3.41 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN051803.D

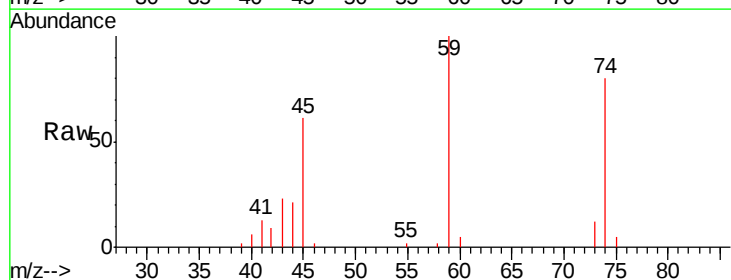
Acq: 11 Oct 2018 8:46

Tgt Ion: 74 Resp: 19400

Ion Ratio Lower Upper

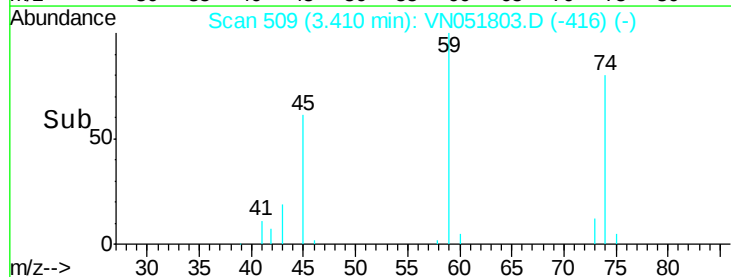
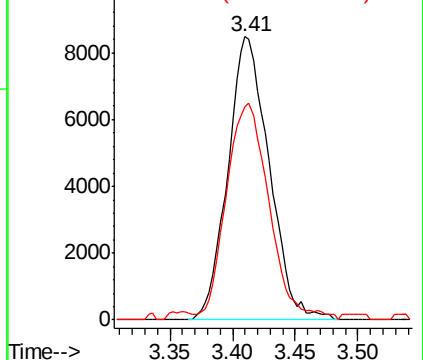
74 100

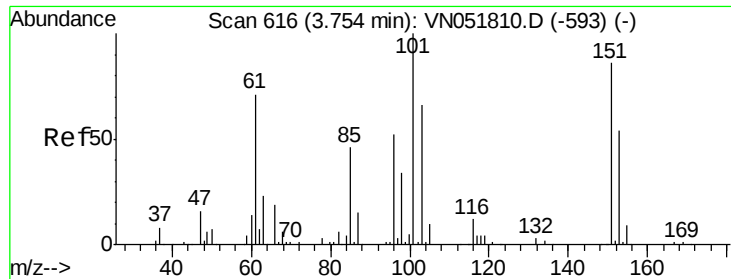
45 79.6 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.39 ug/l m

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN051803.D

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Instrument :

MSVOA_N

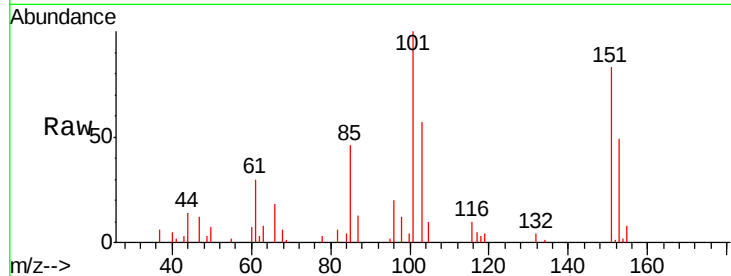
ClientSampleId :

VSTDIC005

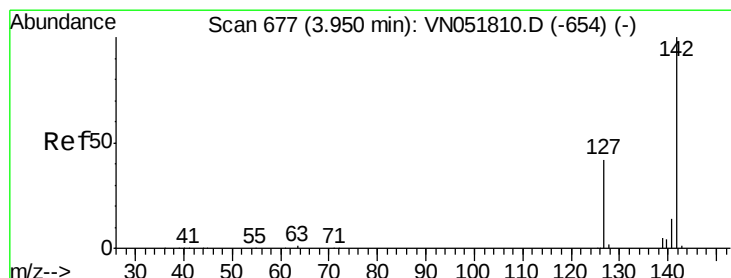
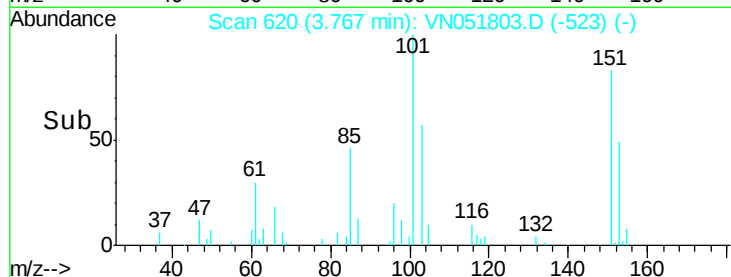
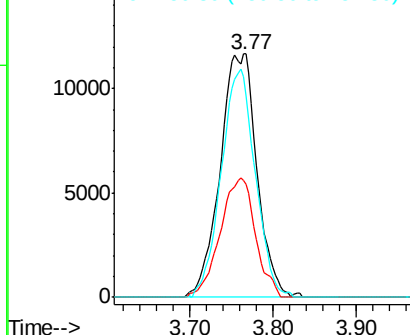
Tgt Ion:	101	Resp:	35747
Ion Ratio	Lower	Upper	
101	100		
85	47.0	33.7	50.5
151	86.8	67.4	101.2

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



#10

Methyl Iodide

Concen: 4.56 ug/l

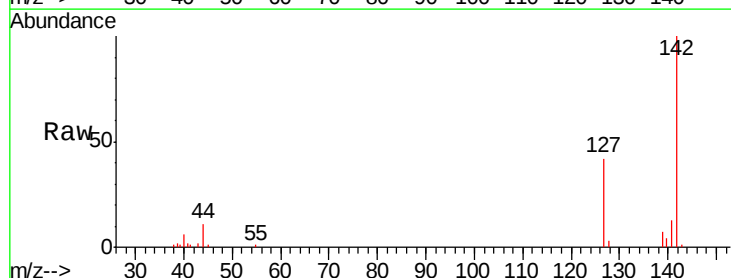
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

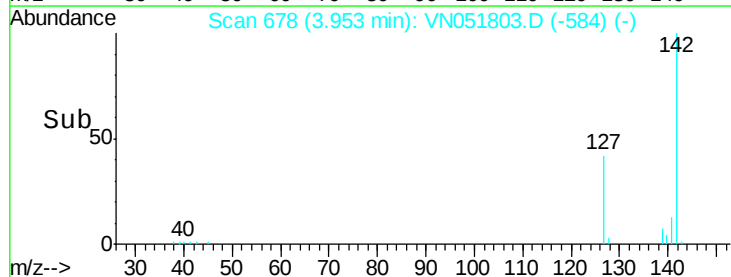
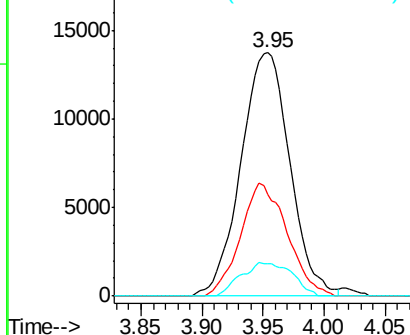
Lab File: VN051803.D

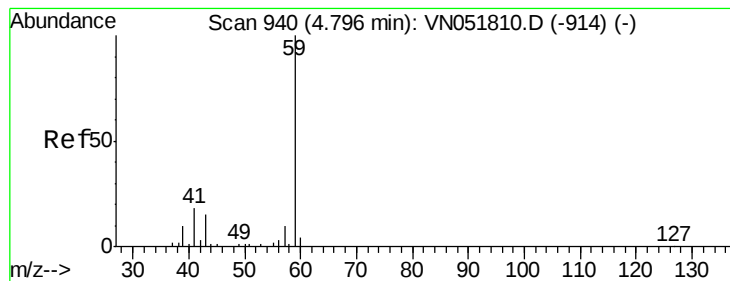
Acq: 11 Oct 2018 8:46

Tgt Ion:	142	Resp:	38188
Ion Ratio	Lower	Upper	
142	100		
127	44.2	31.7	47.5
141	14.5	11.4	17.0



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





#11

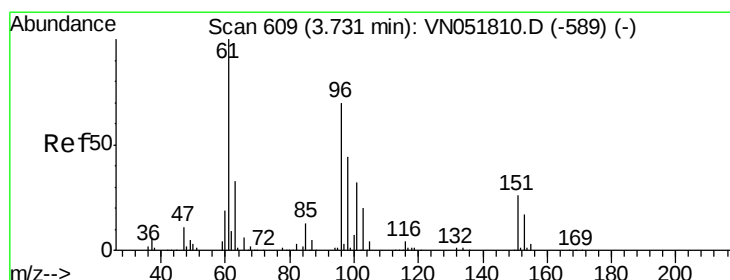
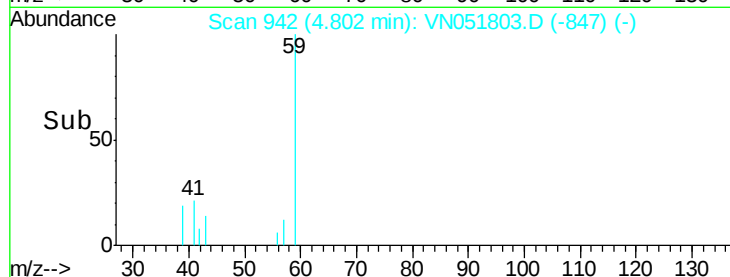
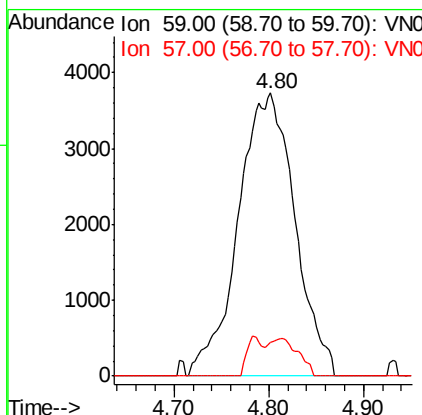
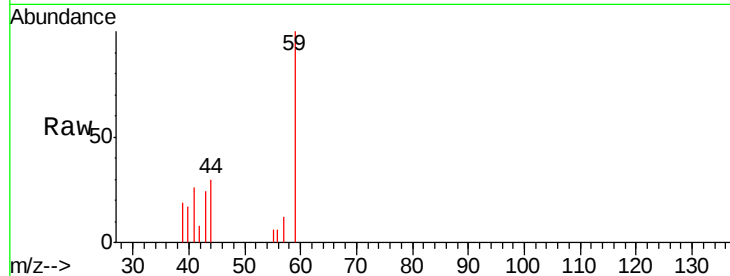
Tert butyl alcohol
Concen: 24.02 ug/l
RT: 4.80 min Scan# 942
Delta R.T. 0.01 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
59	100		
57	3.9	8.3	12.5#

Manual Integrations
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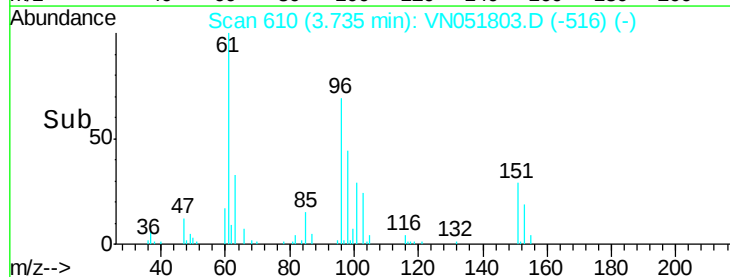
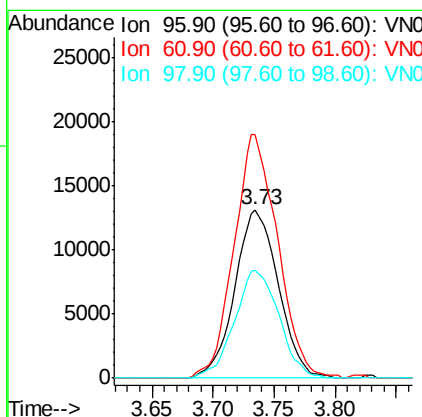
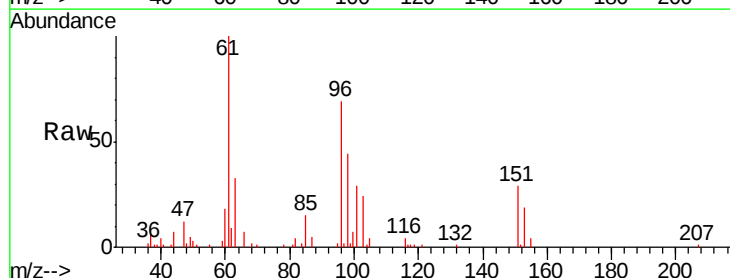
MMDadoda
10/15/2018 3:00:19 PM

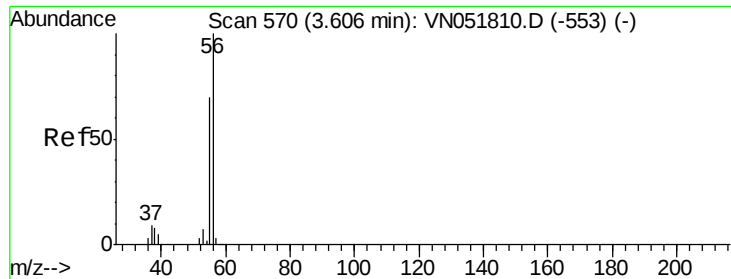


#12

1,1-Dichloroethene
Concen: 3.42 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.2	124.9	187.3
98	64.1	51.1	76.7





#13

Acrolein

Concen: 46.24 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 16341

Ion Ratio Lower Upper

56 100

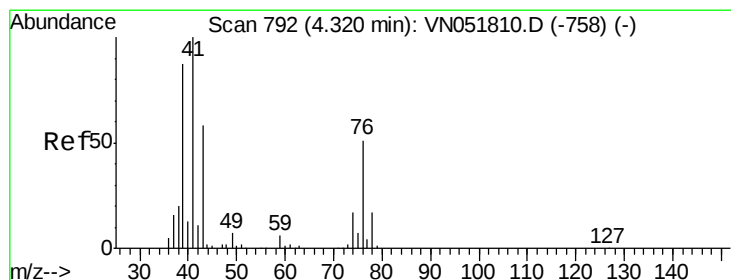
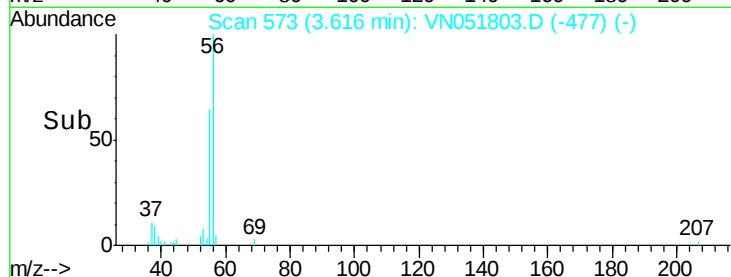
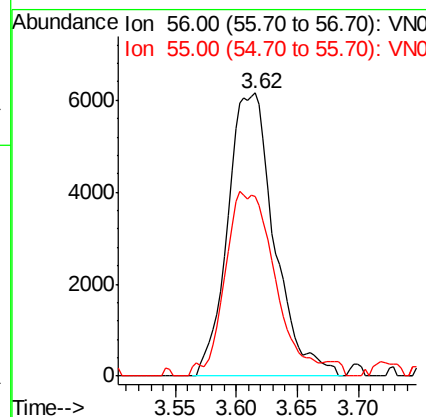
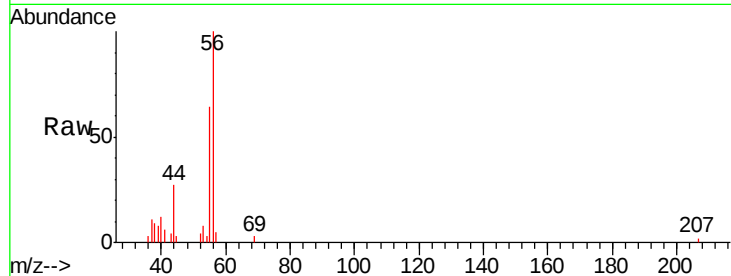
55 69.7 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 2.94 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

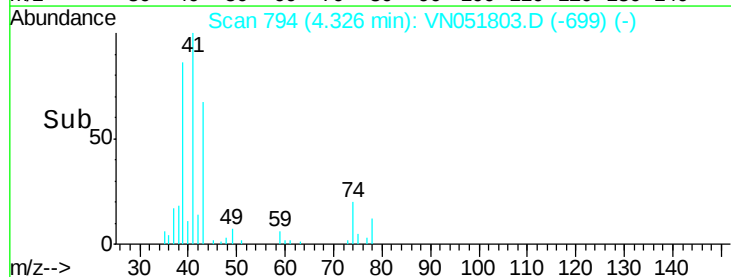
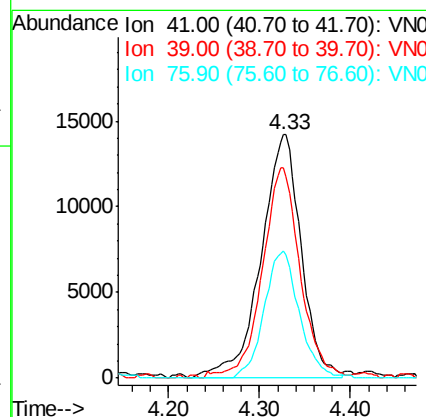
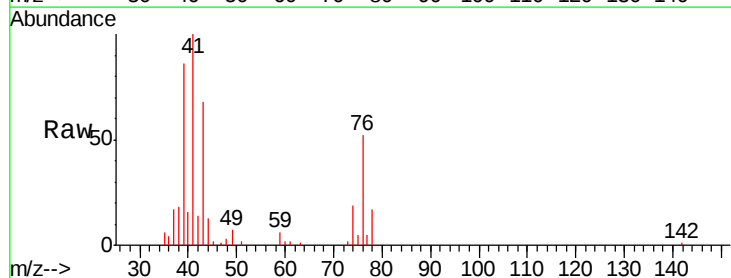
Tgt Ion: 41 Resp: 43420

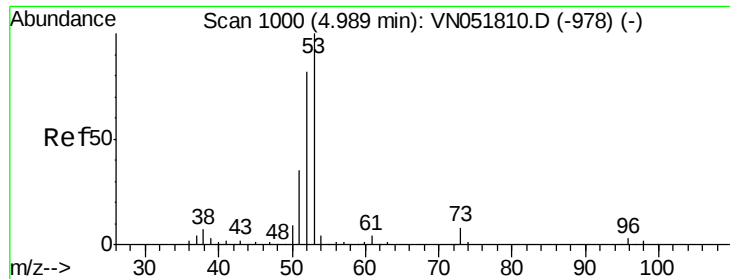
Ion Ratio Lower Upper

41 100

39 78.7 50.2 75.2#

76 45.6 29.8 44.8#





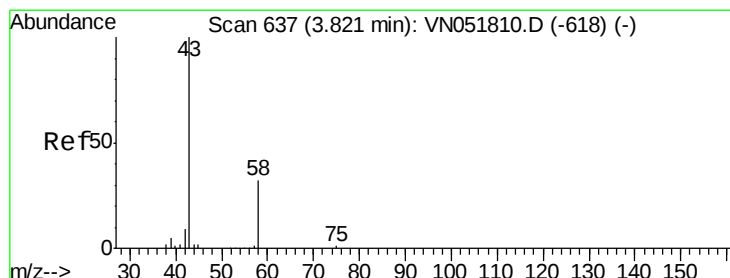
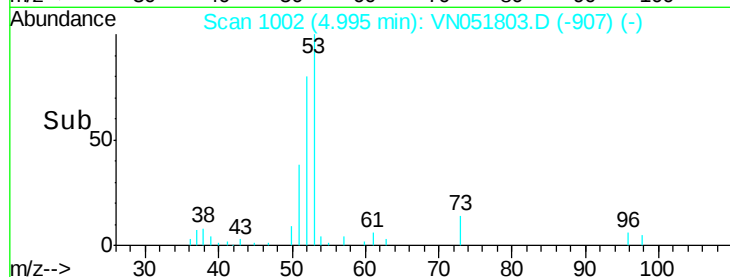
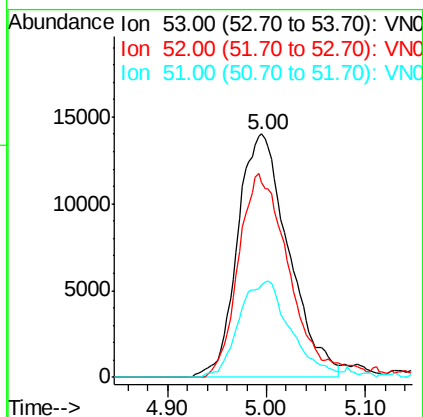
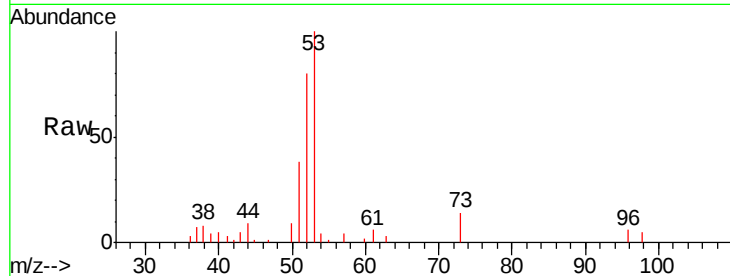
#15
 Acrylonitrile
 Concen: 15.23 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.9	98.9
51	39.9	28.6	43.0

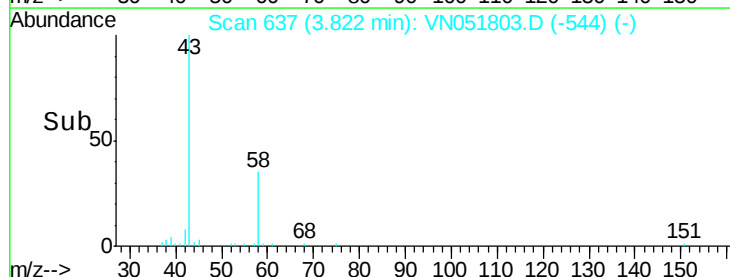
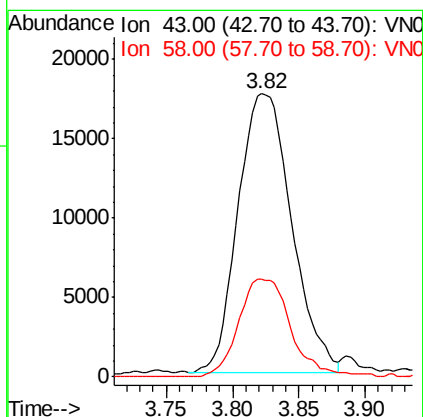
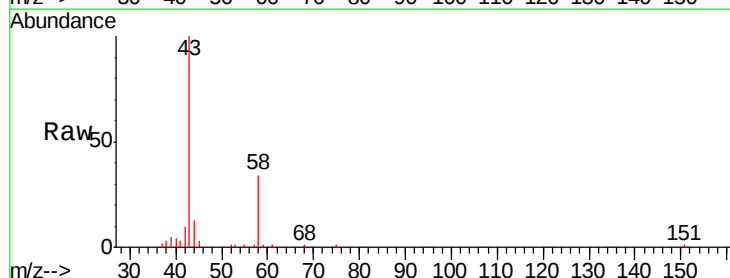
Manual Integrations
 APPROVED

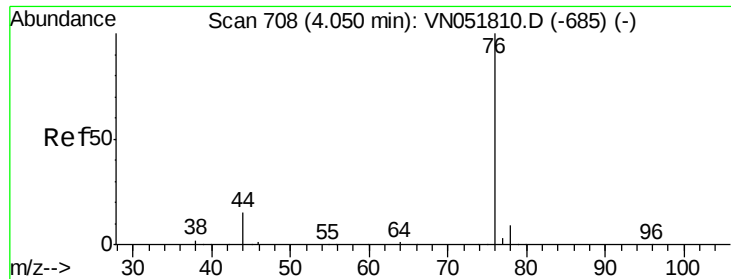
MMDadoda
 10/15/2018 3:00:19 PM



#16
 Acetone
 Concen: 18.00 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.2	40.8





#17

Carbon Disulfide

Concen: 2.72 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 86377

Ion Ratio Lower Upper

76 100

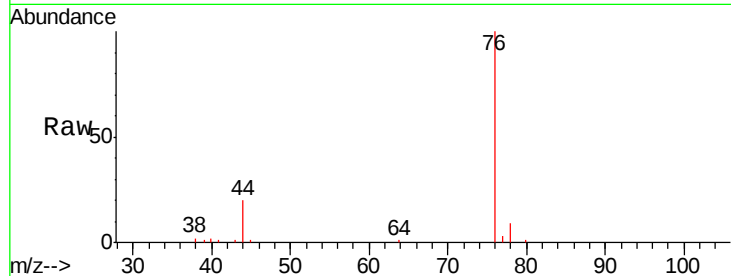
78 9.2 7.3 10.9

Manual Integrations

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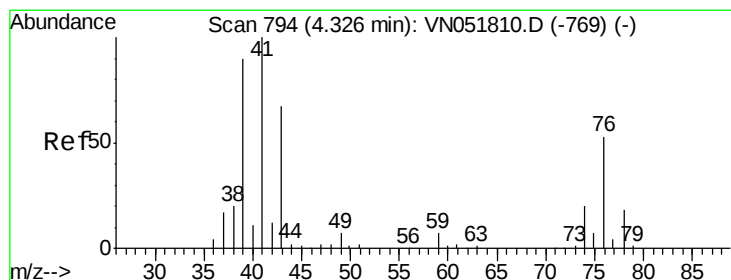
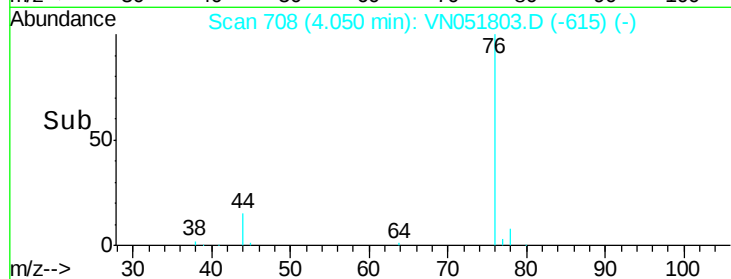
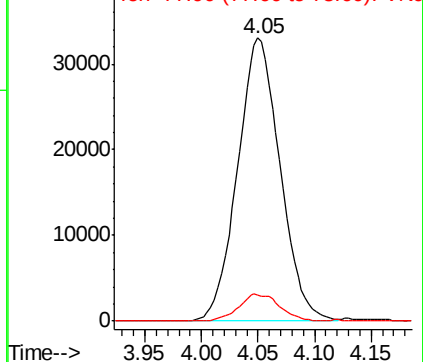
MMDadoda

10/15/2018 3:00:19 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 3.15 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051803.D

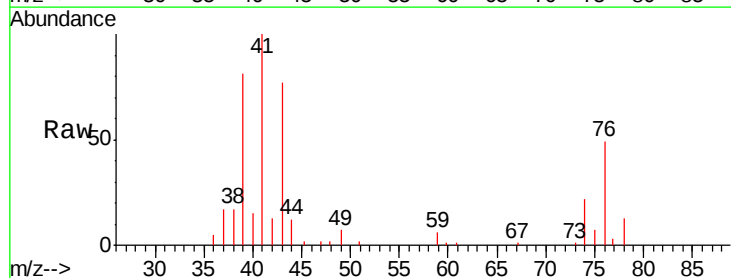
Acq: 11 Oct 2018 8:46

Tgt Ion: 43 Resp: 30172

Ion Ratio Lower Upper

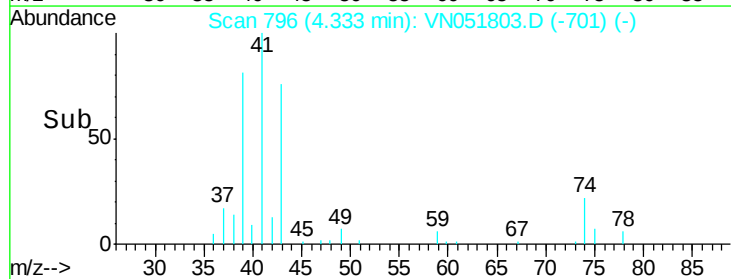
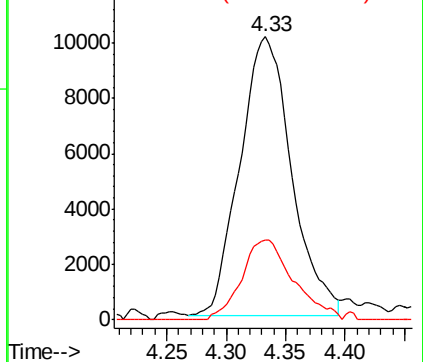
43 100

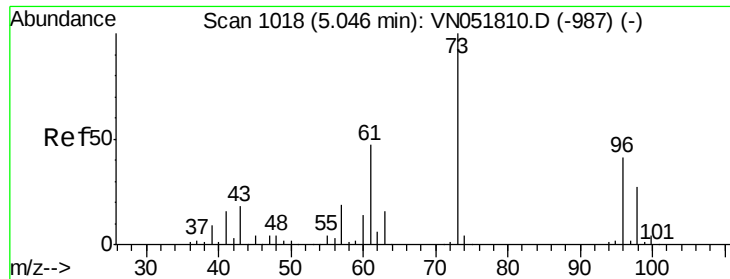
74 28.9 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





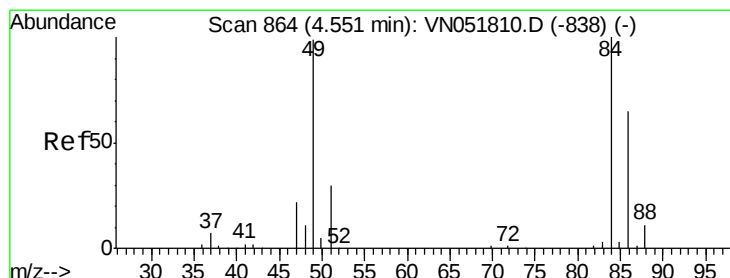
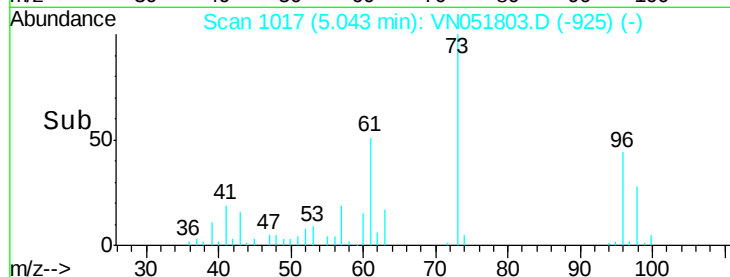
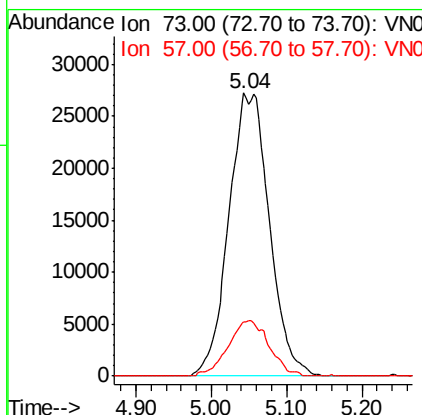
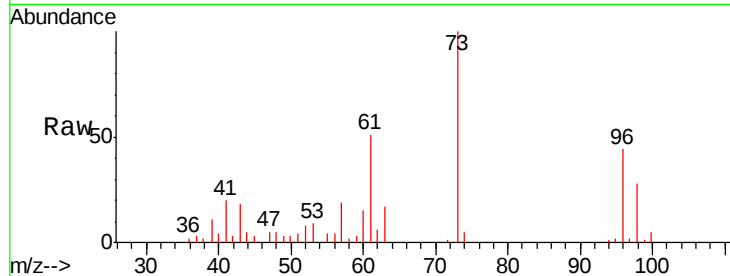
#19
Methyl tert-butyl Ether
Concen: 4.28 ug/l m
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 101940
Ion Ratio Lower Upper
73 100
57 19.4 17.8 26.8

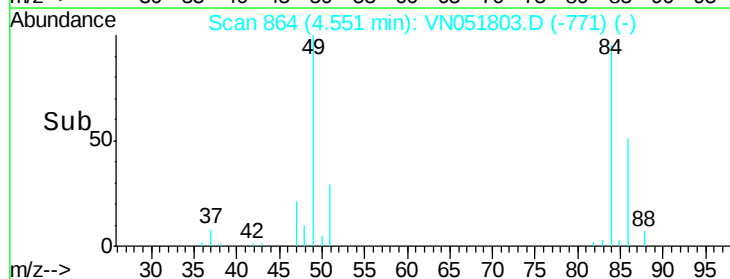
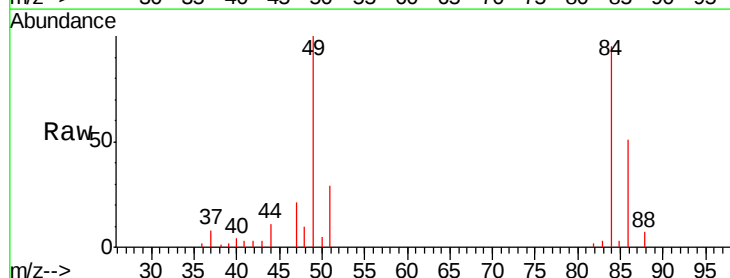
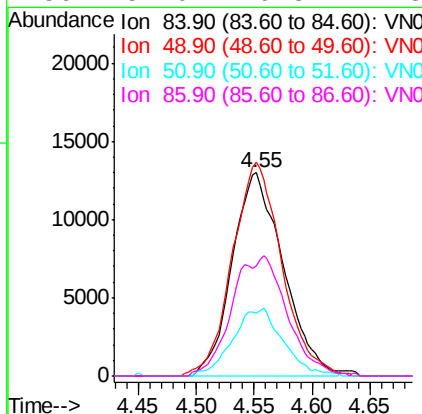
Manual Integrations
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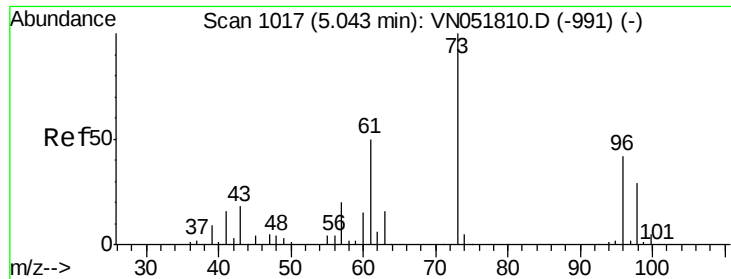
MMDadoda
10/15/2018 3:00:19 PM



#20
Methylene Chloride
Concen: 3.46 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion: 84 Resp: 39569
Ion Ratio Lower Upper
84 100
49 103.5 93.2 139.8
51 30.7 29.0 43.6
86 54.0 49.8 74.8





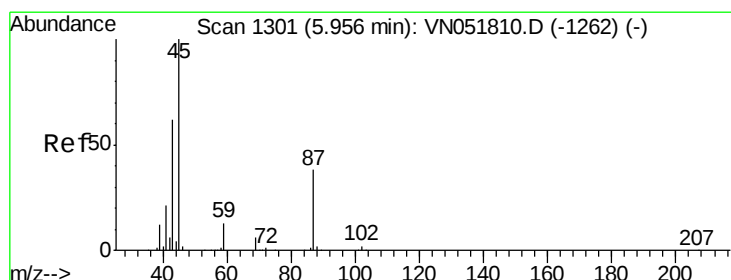
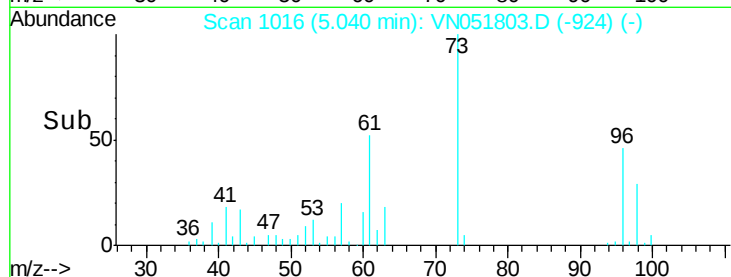
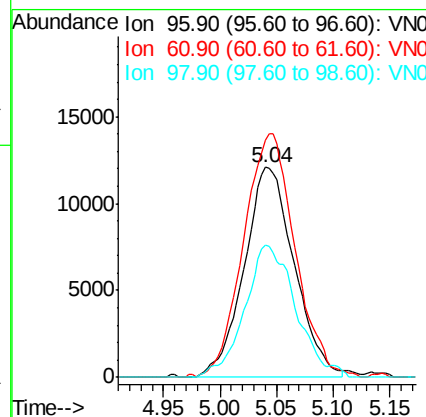
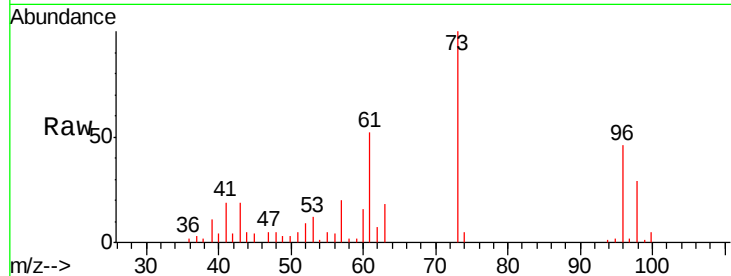
#21
trans-1,2-Dichloroethene
Concen: 3.63 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
96	100		
61	111.3	107.4	161.0
98	63.1	50.7	76.1

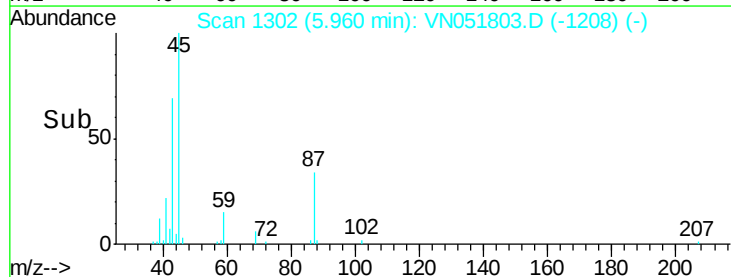
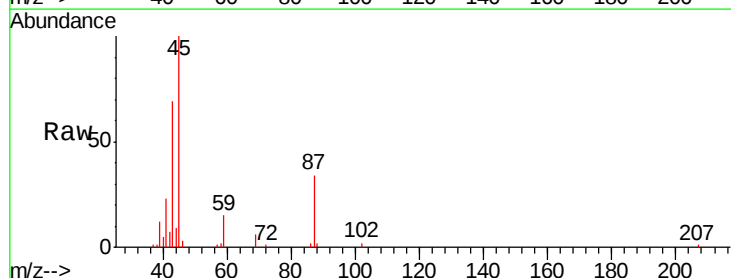
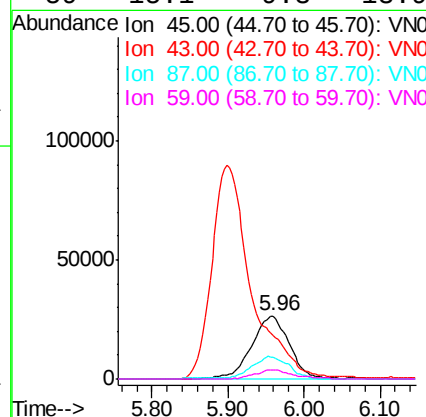
Manual Integrations
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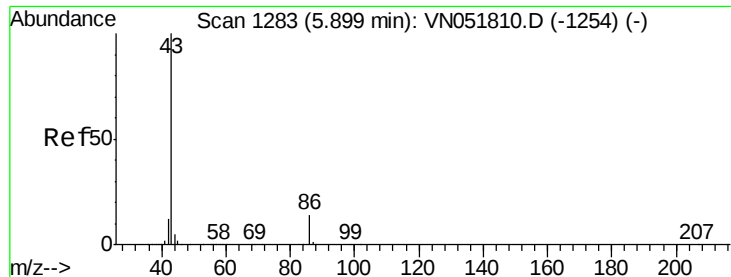
MMDadoda
10/15/2018 3:00:19 PM



#22
Diisopropyl ether
Concen: 3.09 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.7	45.9	68.9
87	34.4	22.7	34.1#
59	15.1	9.3	13.9#





#23

Vinyl Acetate

Concen: 17.07 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 323642

Ion Ratio Lower Upper

43 100

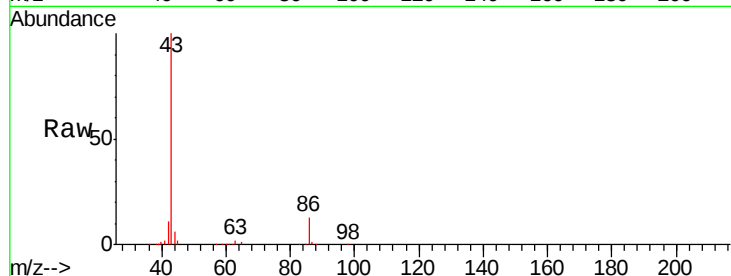
86 13.3 8.7 13.1#

Manual Integrations

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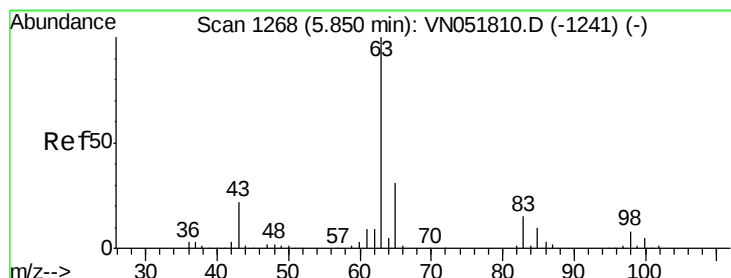
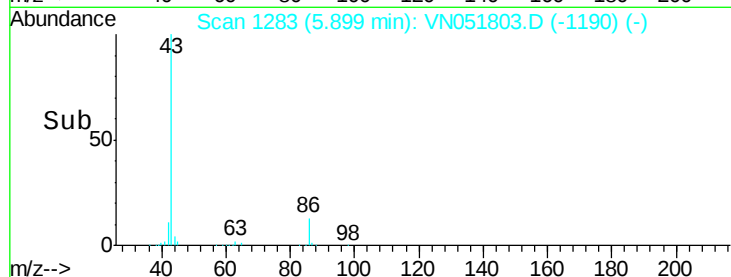
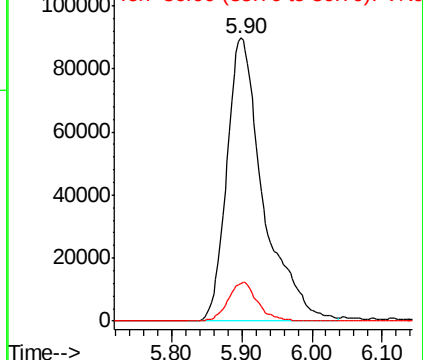
MMDadoda

10/15/2018 3:00:19 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 3.31 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

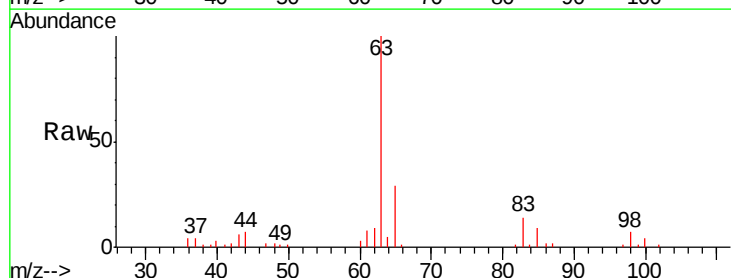
Tgt Ion: 63 Resp: 62518

Ion Ratio Lower Upper

63 100

98 7.5 3.3 9.8

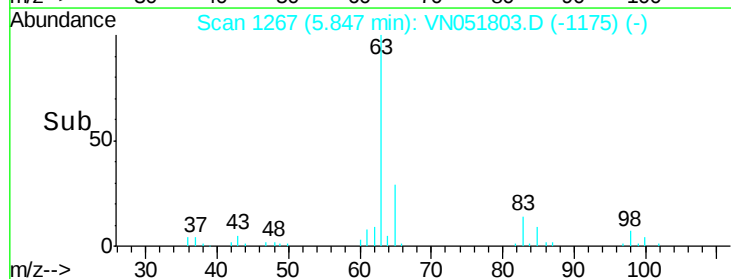
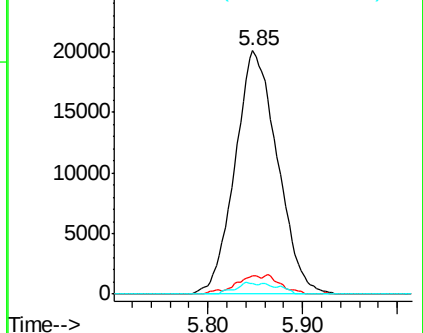
100 4.3 2.1 6.5

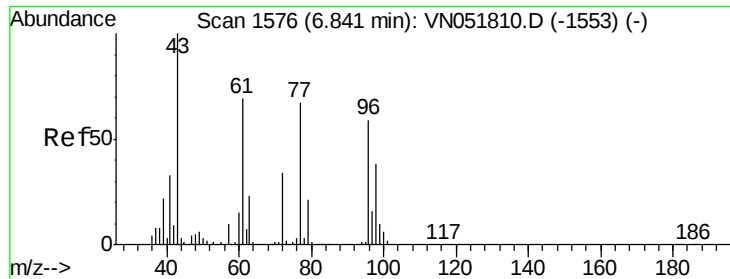


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





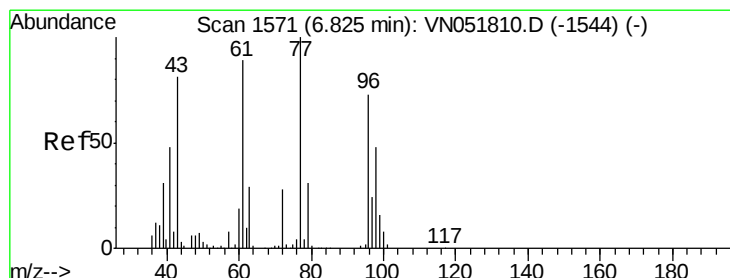
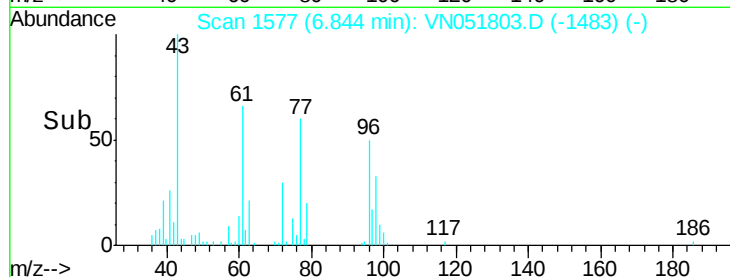
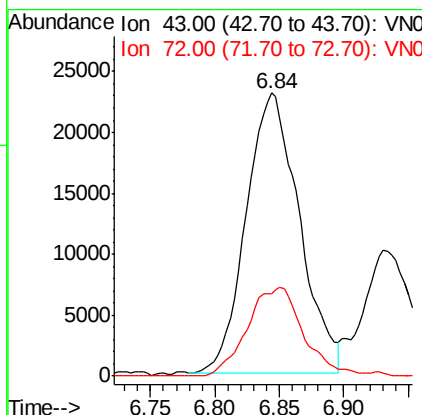
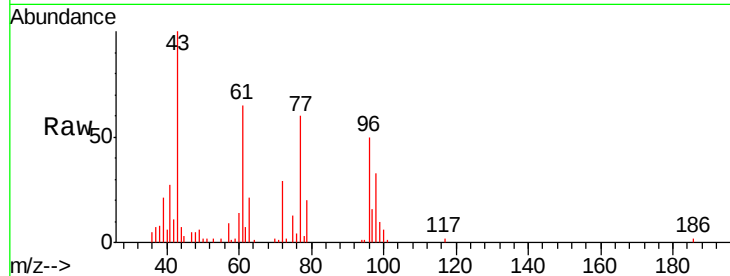
#25
2-Butanone
Concen: 16.17 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 66202
Ion Ratio Lower Upper
43 100
72 29.6 22.3 33.5

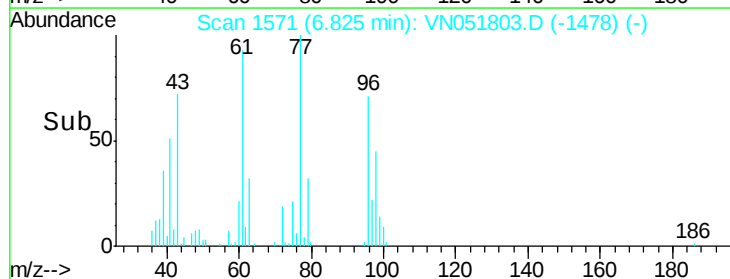
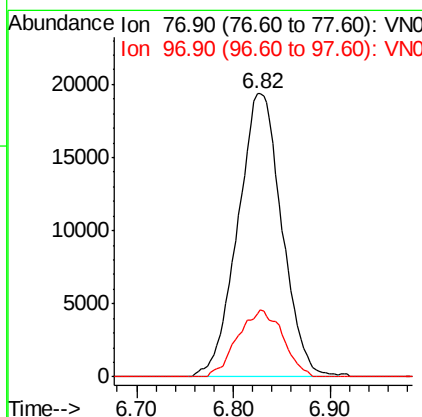
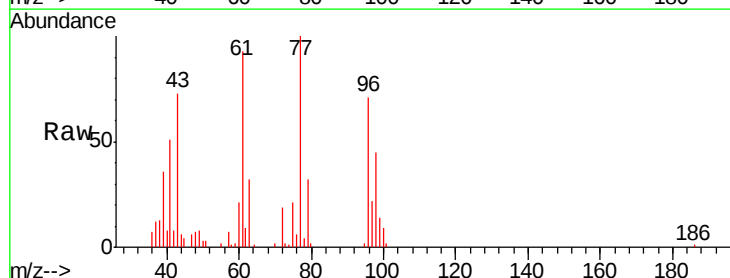
Manual Integrations
APPROVED

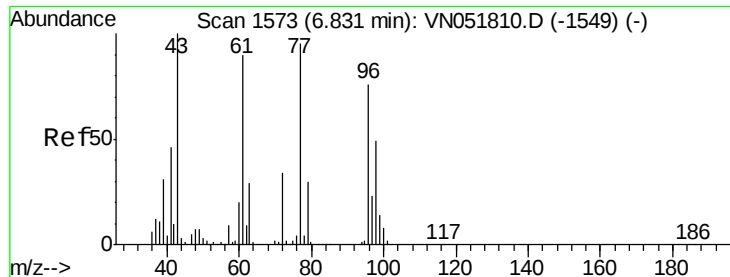
MMDadoda
10/15/2018 3:00:19 PM



#26
2,2-Dichloropropane
Concen: 4.03 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion: 77 Resp: 61205
Ion Ratio Lower Upper
77 100
97 24.1 12.0 36.0





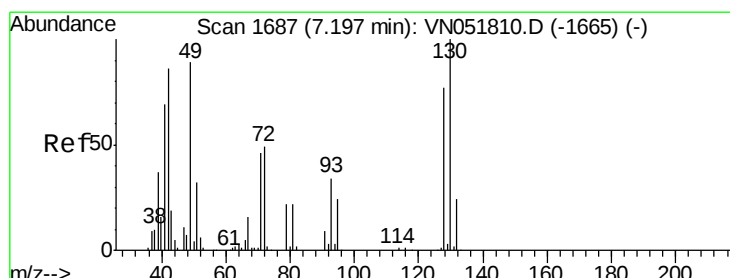
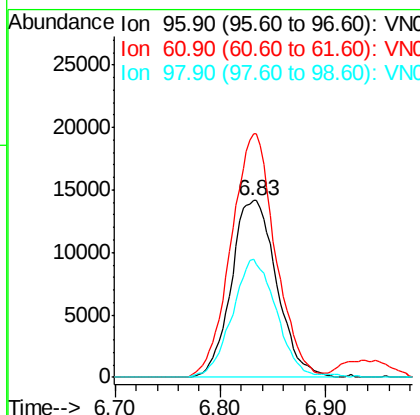
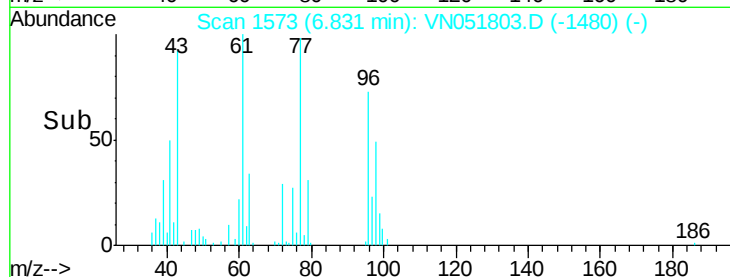
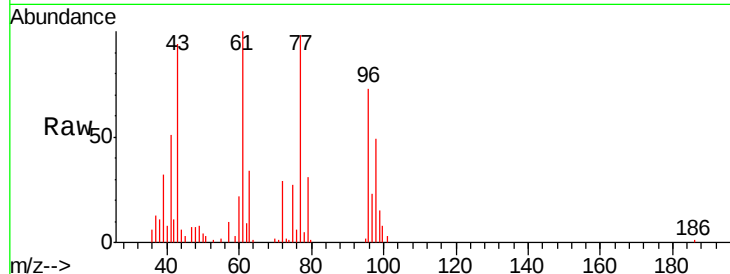
#27
 cis-1,2-Dichloroethene
 Concen: 3.83 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.6	0.0	283.4
98	64.8	0.0	129.8

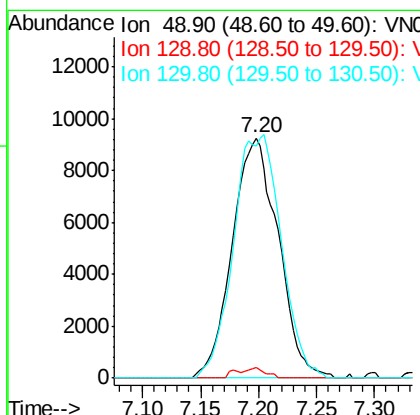
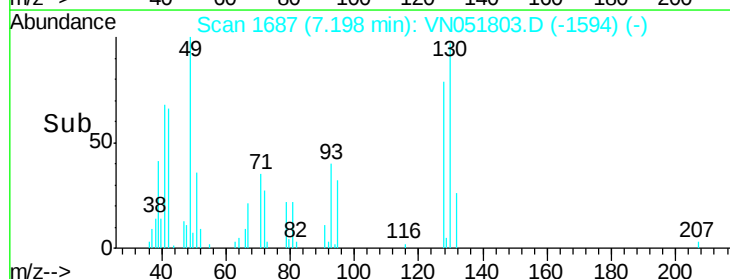
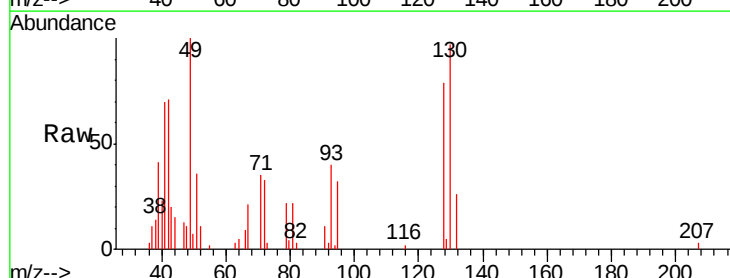
Manual Integrations
 APPROVED

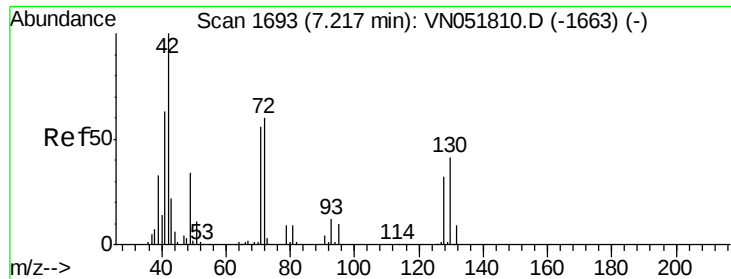
MMDadoda
 10/15/2018 3:00:19 PM



#28
 Bromochloromethane
 Concen: 3.17 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.2
130	105.2	67.1	100.7#





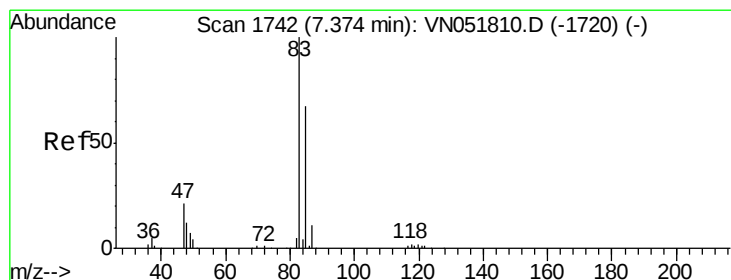
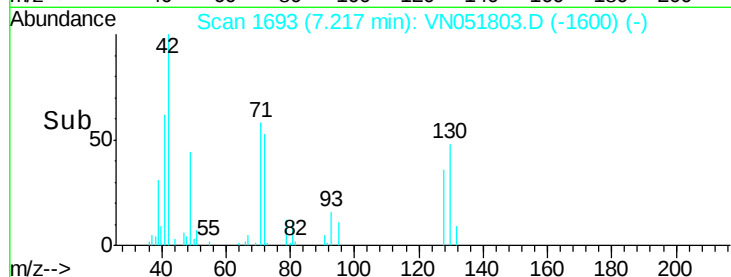
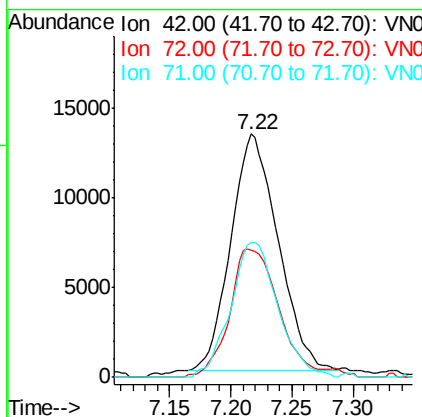
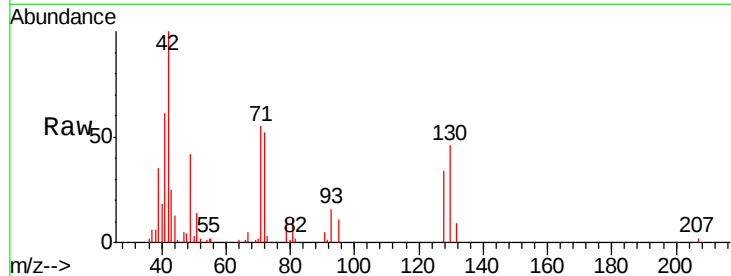
#29
Tetrahydrofuran
Concen: 15.12 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
42	100		
72	56.6	35.5	53.3#
71	57.1	33.7	50.5#

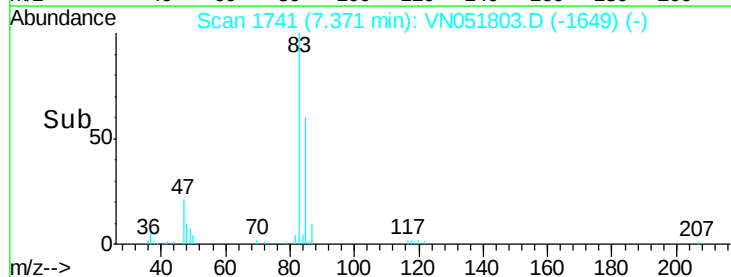
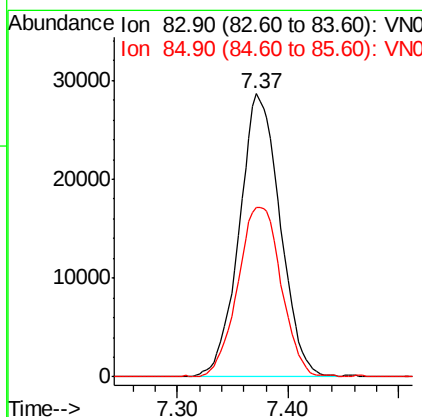
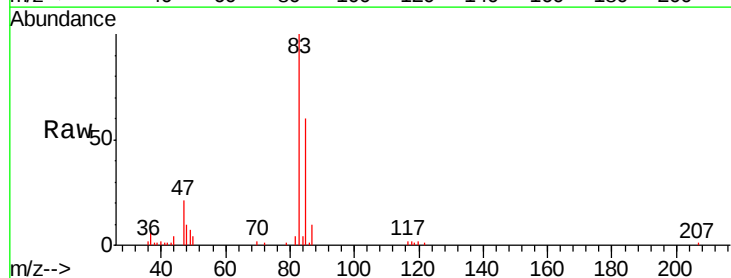
Manual Integrations
APPROVED

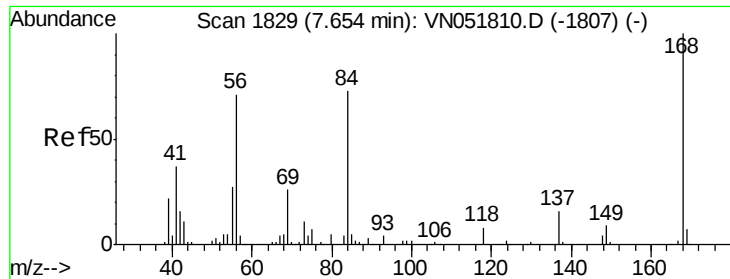
MMDadoda
10/15/2018 3:00:19 PM



#30
Chloroform
Concen: 3.92 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.0	52.2	78.4





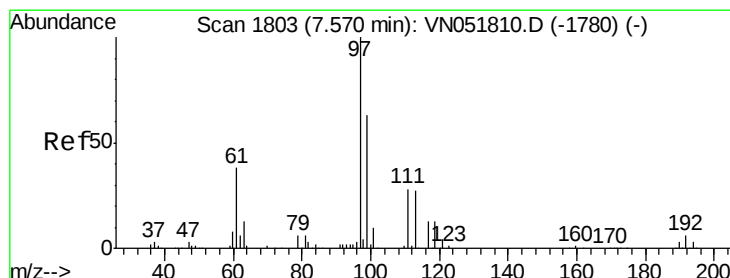
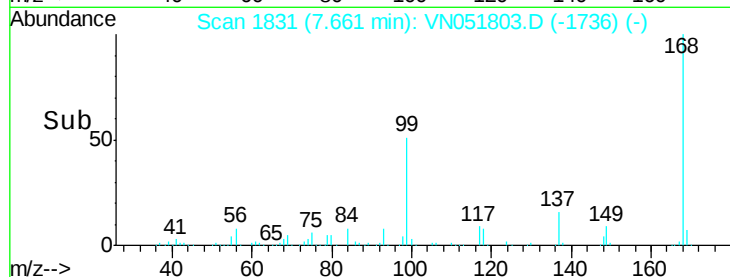
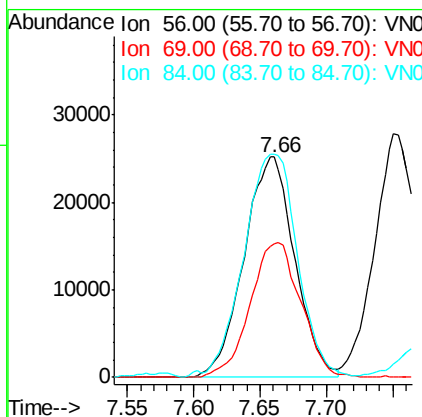
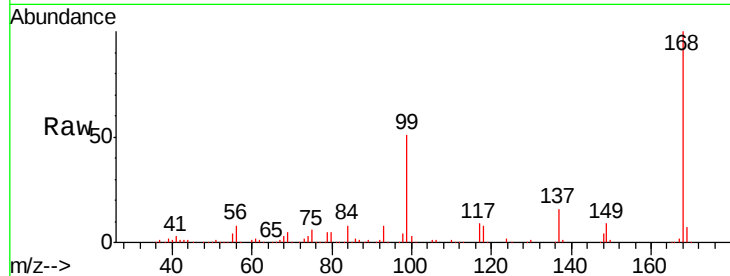
#31
Cyclohexane
Concen: 3.57 ug/l m
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 66920
Ion Ratio Lower Upper
56 100
69 60.4 26.2 39.4#
84 101.4 68.3 102.5

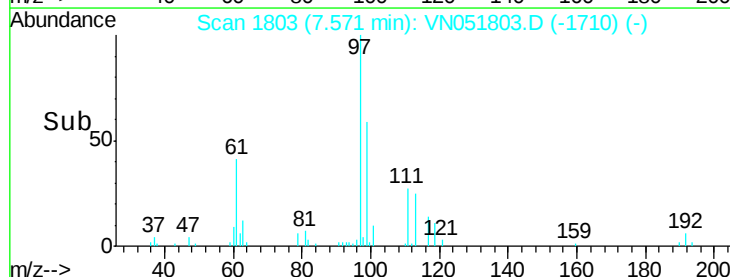
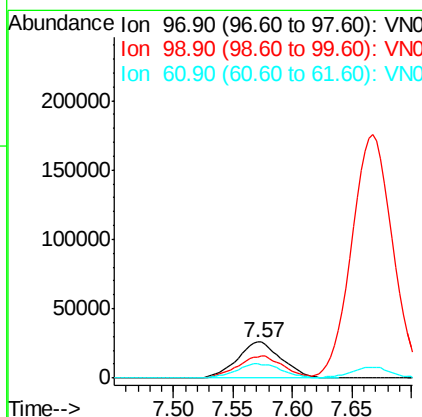
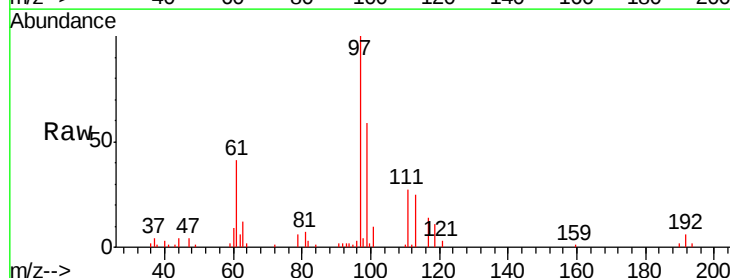
Manual Integrations
APPROVED

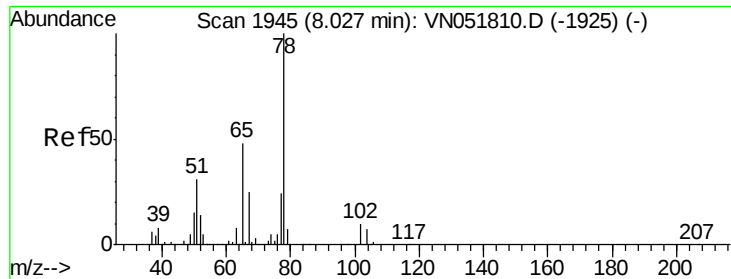
MMDadoda
10/15/2018 3:00:19 PM



#32
1,1,1-Trichloroethane
Concen: 4.17 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion: 97 Resp: 67098
Ion Ratio Lower Upper
97 100
99 62.8 51.8 77.6
61 41.1 34.9 52.3





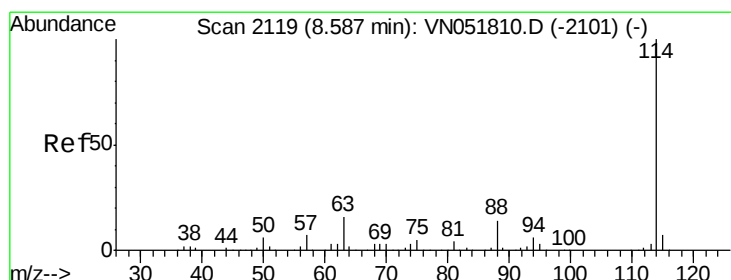
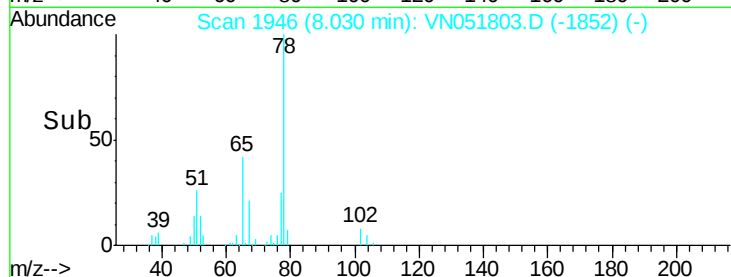
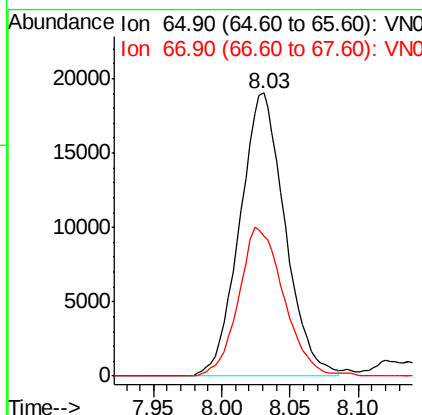
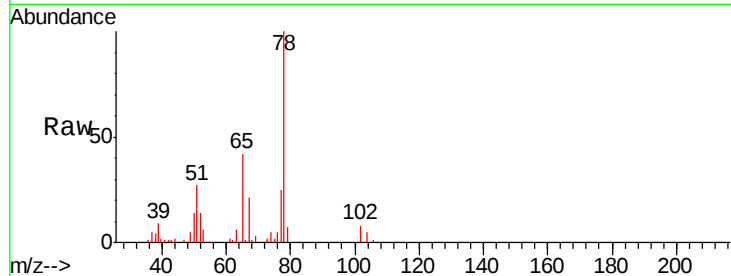
#33
 1,2-Dichloroethane-d4
 Concen: 4.17 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 43882
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 110.4

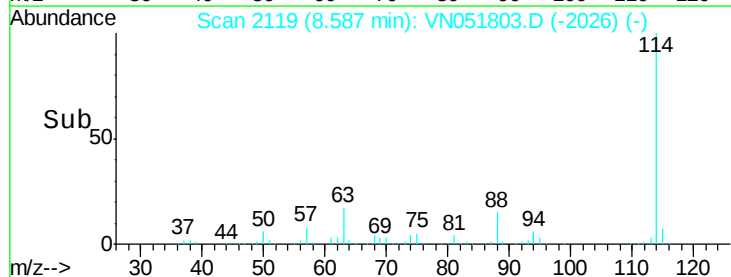
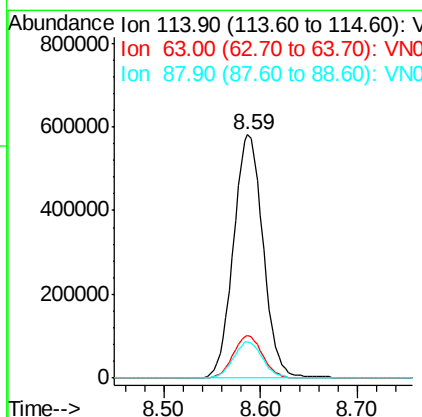
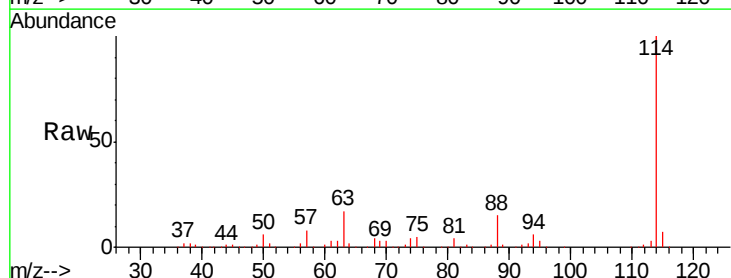
Manual Integrations
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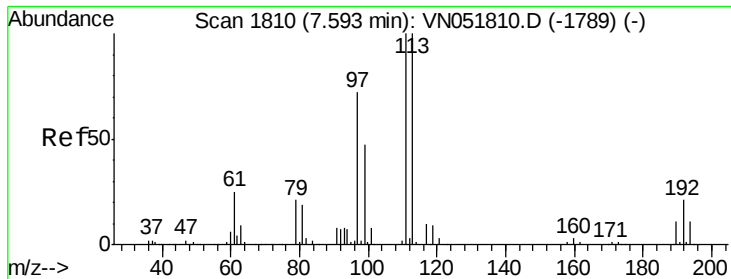
MMDadoda
 10/15/2018 3:00:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Tgt Ion: 114 Resp: 1238907
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 38.6
 88 14.9 0.0 30.6





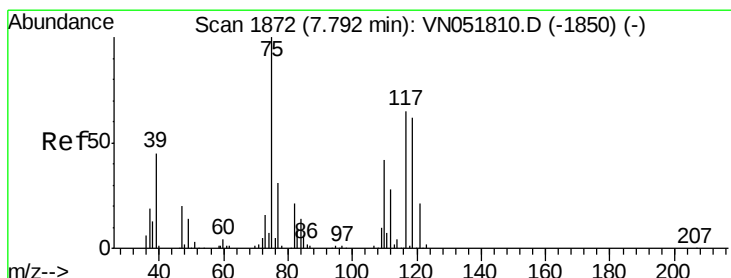
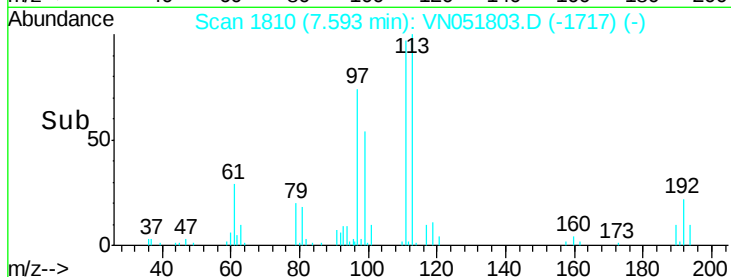
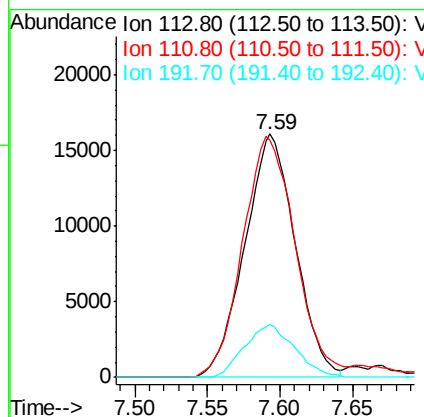
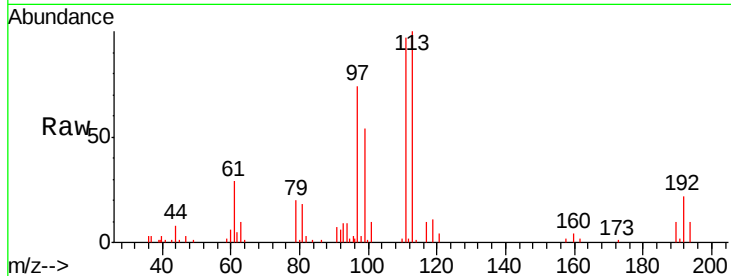
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	38953		
111	103.5	82.6	123.8	
192	21.6	18.0	27.0	

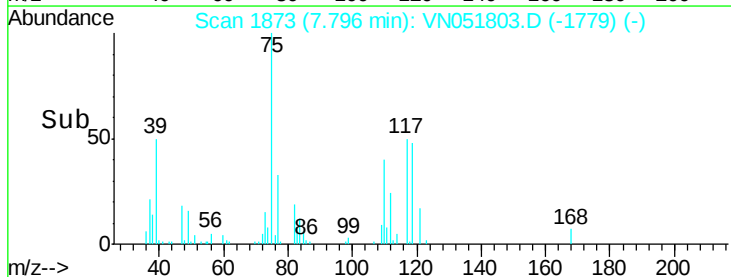
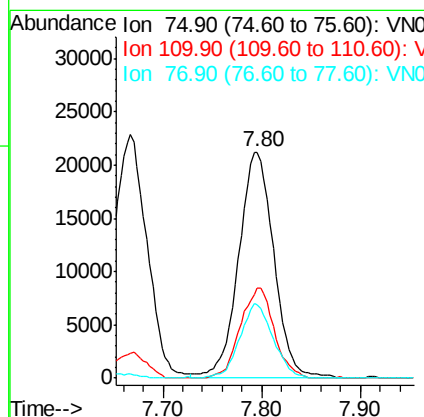
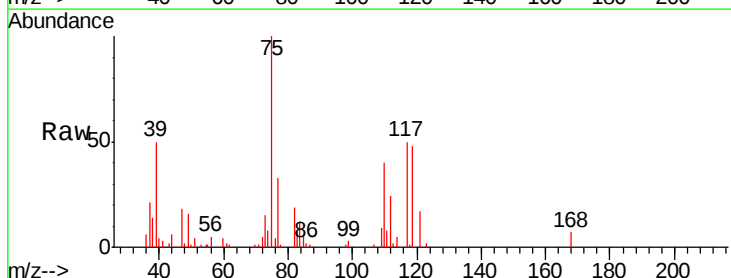
Manual Integrations
APPROVED

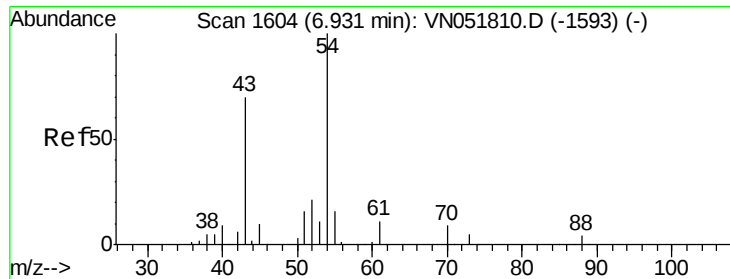
MMDadoda
10/15/2018 3:00:19 PM



#36
1,1-Dichloropropene
Concen: 3.60 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	52672		
110	38.2	18.1	54.4	
77	31.0	24.8	37.2	





#37

Ethyl Acetate

Concen: 3.25 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Instrument :

MSVOA_N

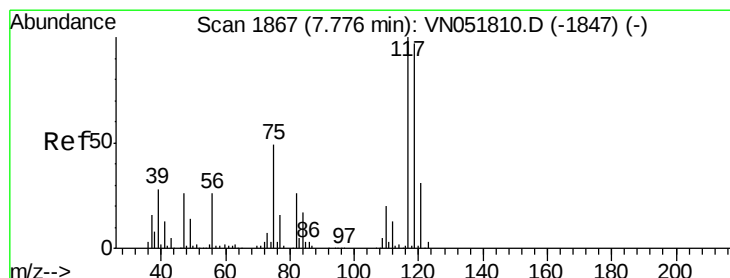
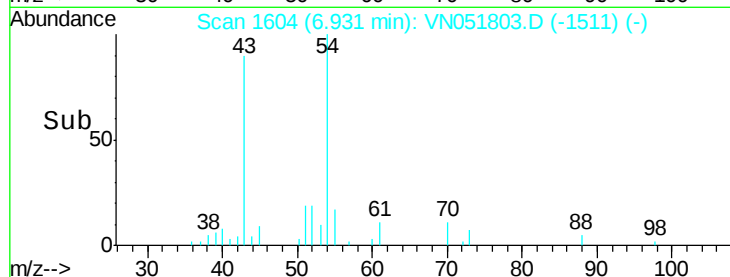
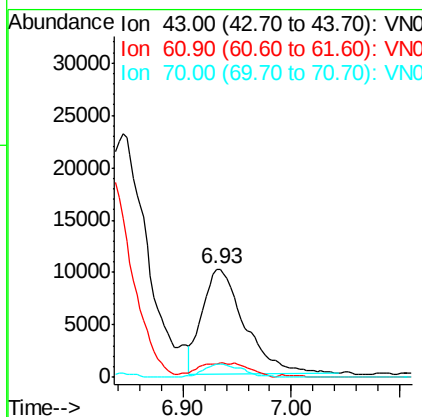
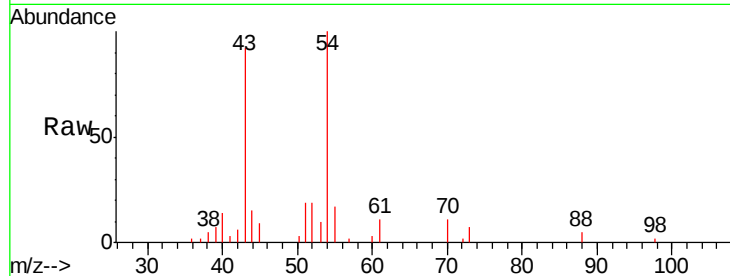
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	27320
Ion Ratio	Lower	Upper	
43	100		
61	0.0	12.0	18.0#
70	11.2	8.6	13.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 4.00 ug/l

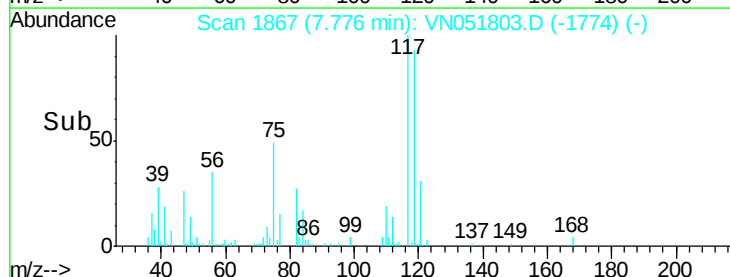
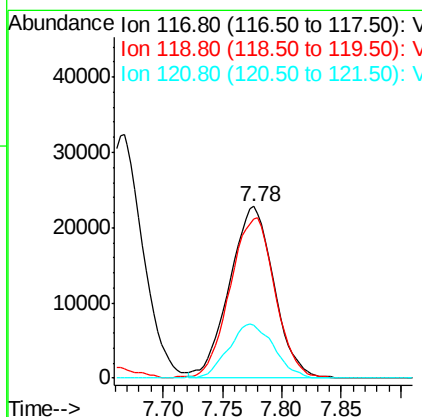
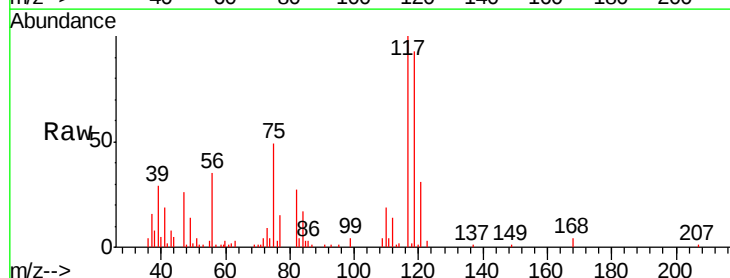
RT: 7.78 min Scan# 1867

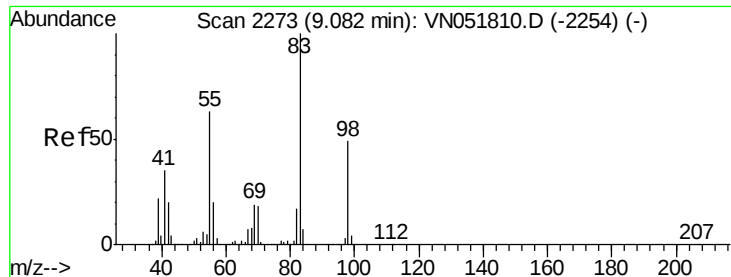
Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Tgt Ion:	117	Resp:	59077
Ion Ratio	Lower	Upper	
117	100		
119	92.9	76.3	114.5
121	31.0	24.6	36.8





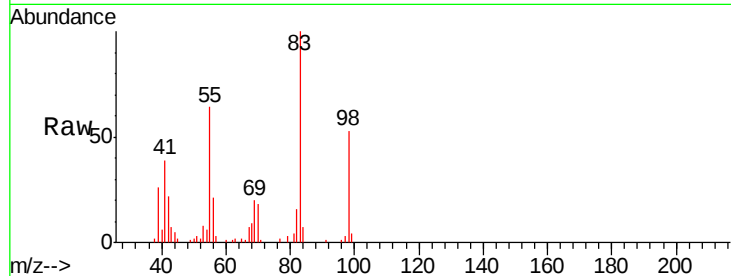
#39
Methylcyclohexane
Concen: 3.91 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	63.1	61.0	91.4
98	52.8	37.5	56.3

Manual Integrations
APPROVED

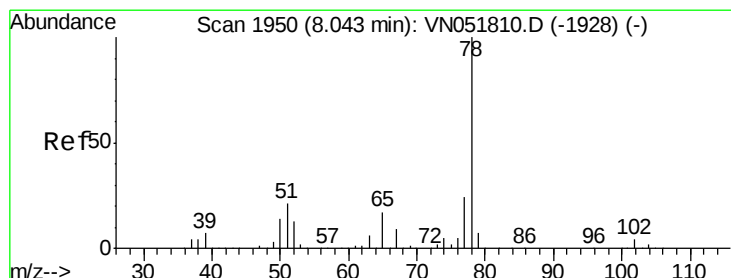
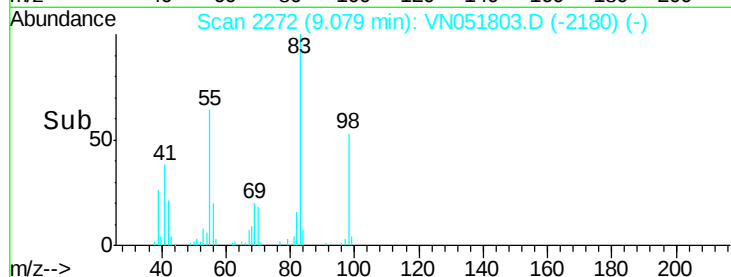
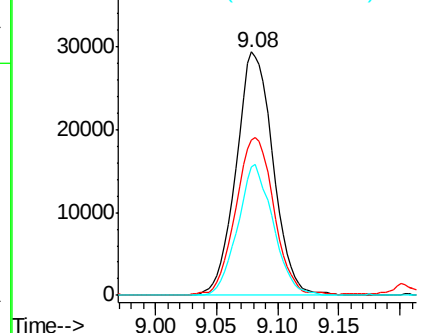
MMDadoda
10/15/2018 3:00:19 PM



Abundance Ion 83.00 (82.70 to 83.70): VN051810.D (-2254) (-)

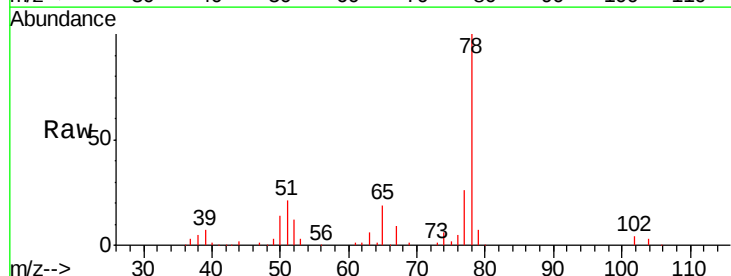
Ion 55.00 (54.70 to 55.70): VN051810.D (-2254) (-)

Ion 98.00 (97.70 to 98.70): VN051810.D (-2254) (-)



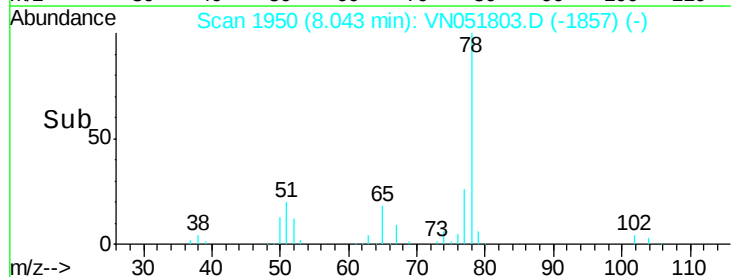
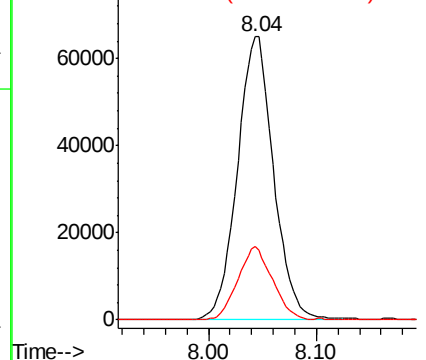
#40
Benzene
Concen: 3.44 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

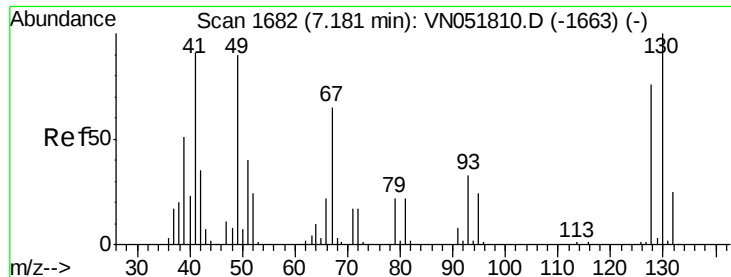
Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	26.0	19.0	28.4



Abundance Ion 78.00 (77.70 to 78.70): VN051810.D (-1928) (-)

Ion 77.00 (76.70 to 77.70): VN051810.D (-1928) (-)





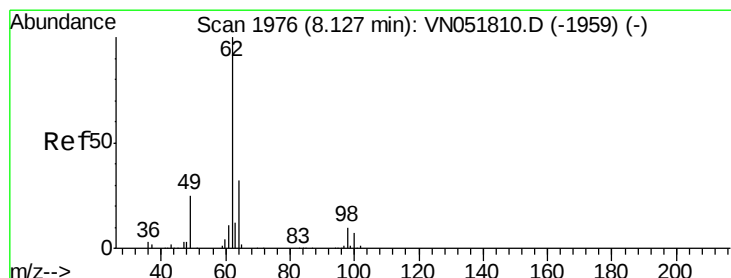
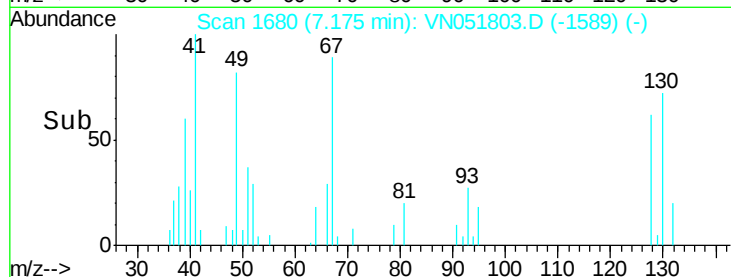
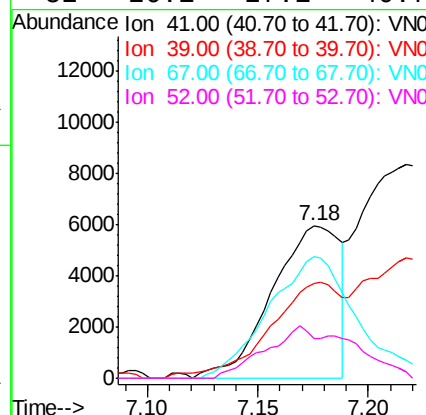
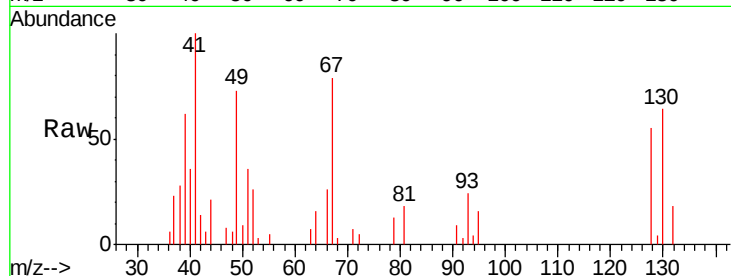
#41
Methacrylonitrile
Concen: 2.79 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.7	45.4	68.0
67	105.4	70.6	106.0
52	26.1	27.1	40.7#

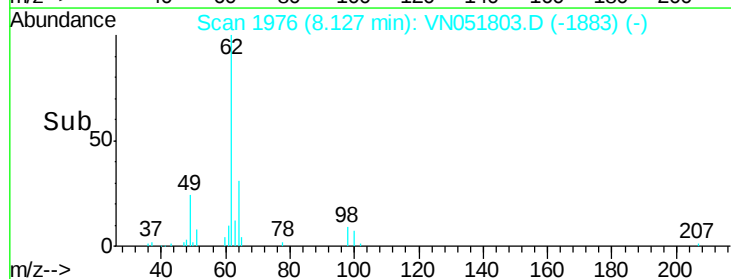
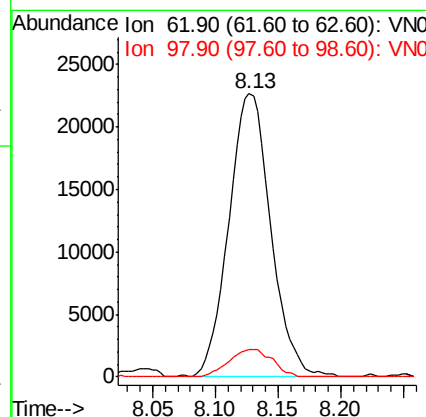
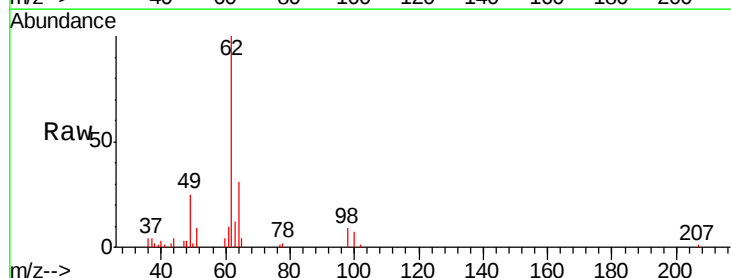
Manual Integrations
APPROVED

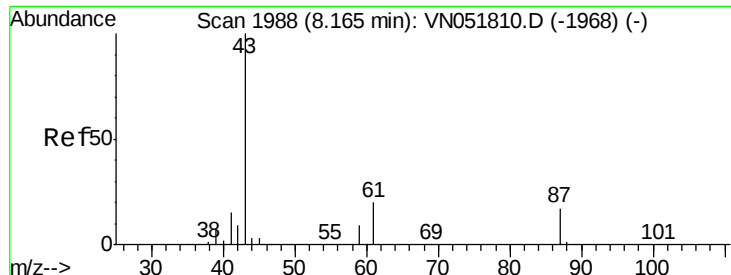
MMDadoda
10/15/2018 3:00:19 PM



#42
1,2-Dichloroethane
Concen: 4.00 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6





#43

Isopropyl Acetate

Concen: 4.14 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Instrument :

MSVOA_N

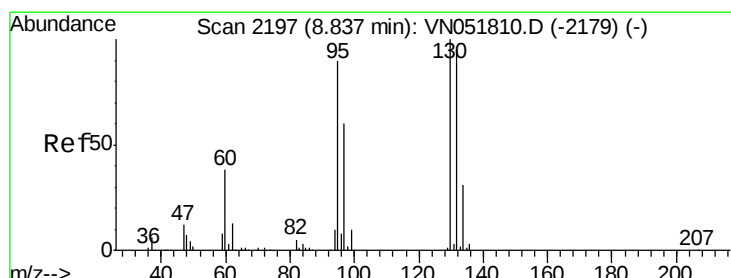
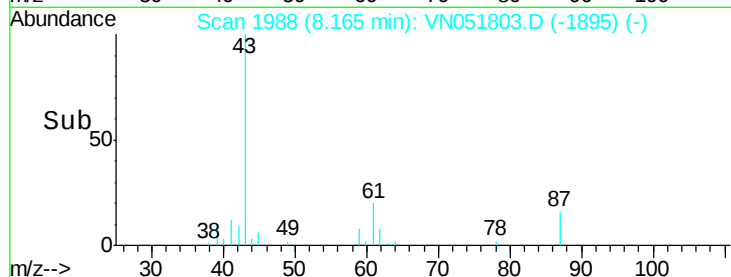
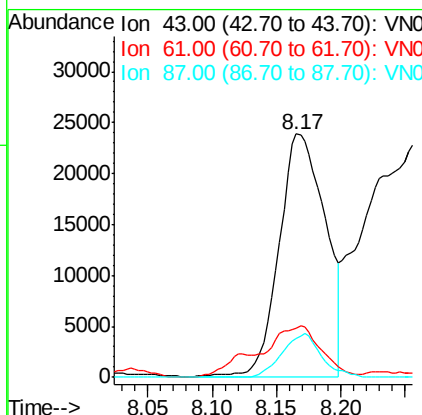
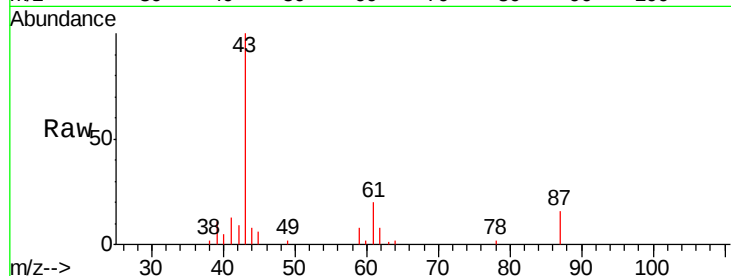
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	59760
Ion	Ratio	Lower	Upper
43	100		
61	19.0	17.5	26.3
87	15.1	11.3	16.9

Manual Integrations
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10/15/2018 3:00:19 PM



#44

Trichloroethene

Concen: 3.94 ug/l

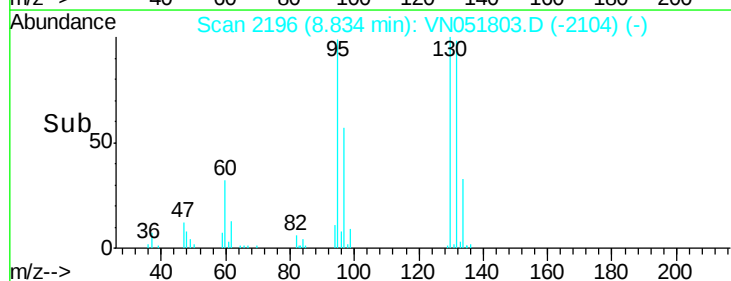
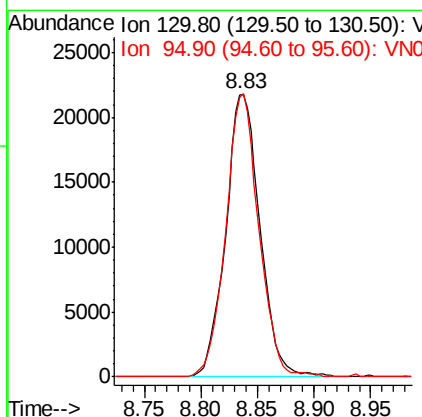
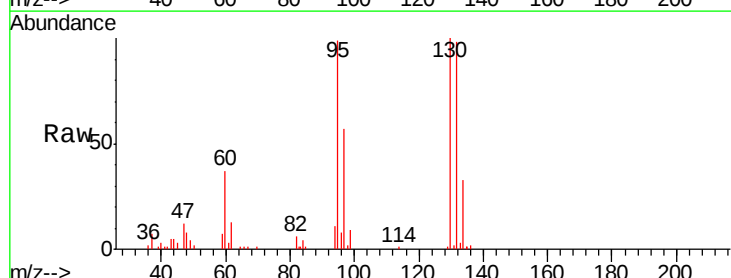
RT: 8.83 min Scan# 2196

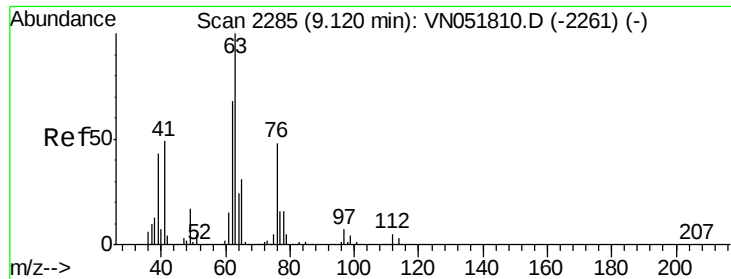
Delta R.T. -0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Tgt Ion:	130	Resp:	45805
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	193.0





#45

1,2-Dichloropropane

Concen: 3.19 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 36946

Ion Ratio Lower Upper

63 100

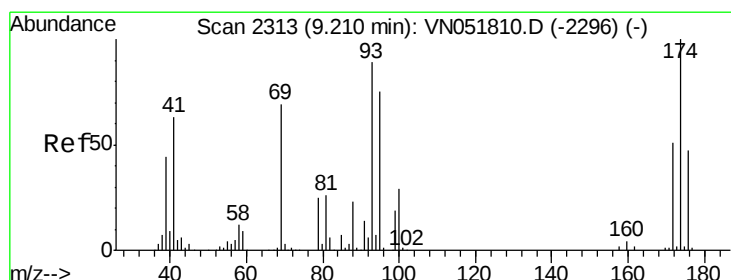
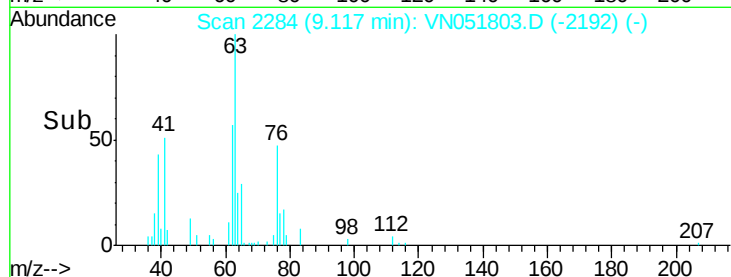
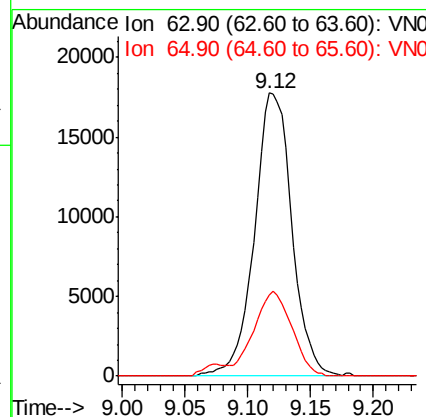
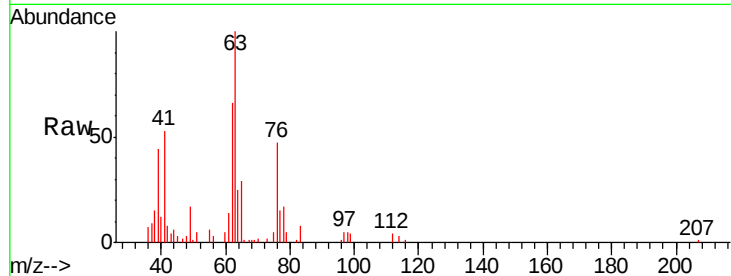
65 28.9 25.0 37.6

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 3.92 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

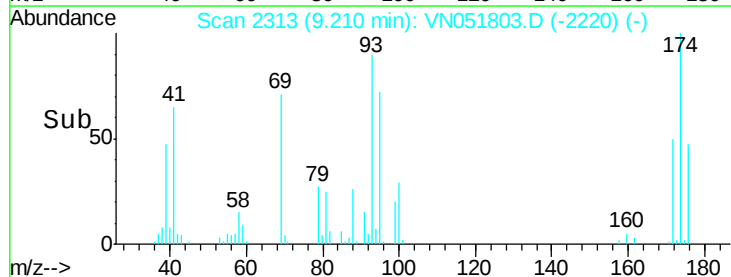
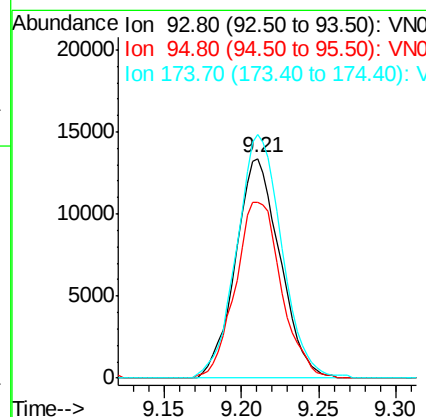
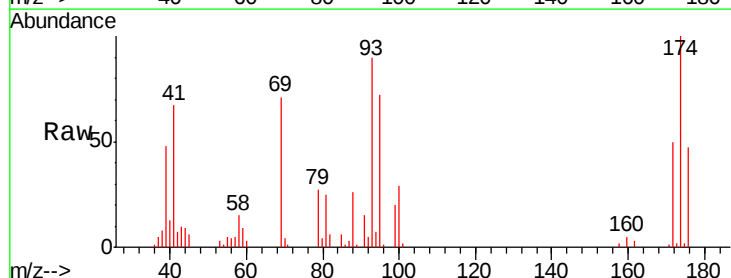
Tgt Ion: 93 Resp: 26700

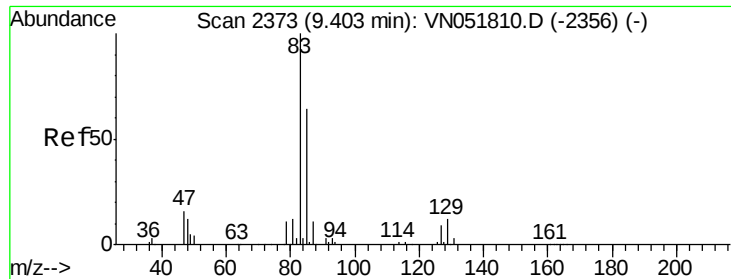
Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

174 112.7 89.8 134.6





#47

Bromodichloromethane

Concen: 3.75 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Instrument :

MSVOA_N

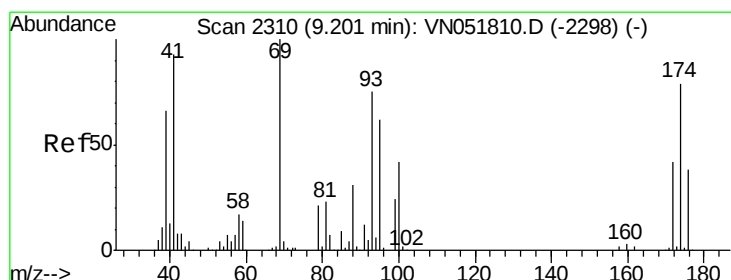
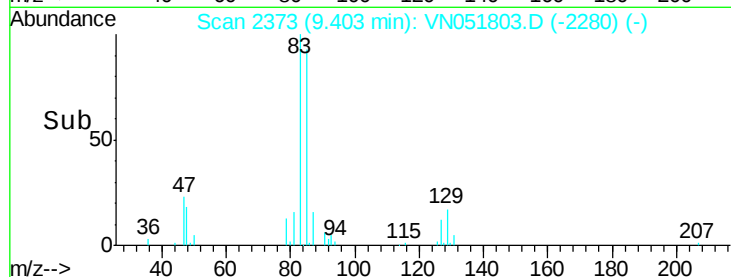
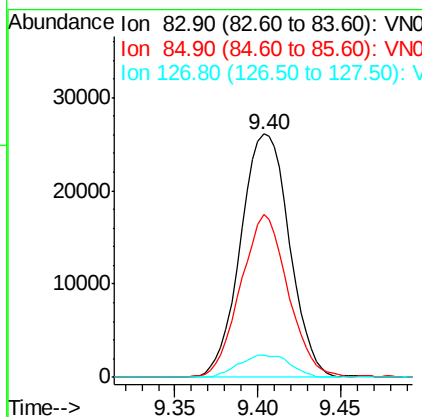
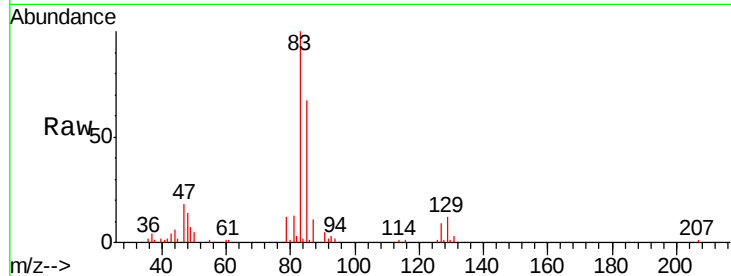
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	53410
Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.6	78.8
127	9.0	7.2	10.8

Manual Integrations
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10/15/2018 3:00:19 PM



#48

Methyl methacrylate

Concen: 3.23 ug/l

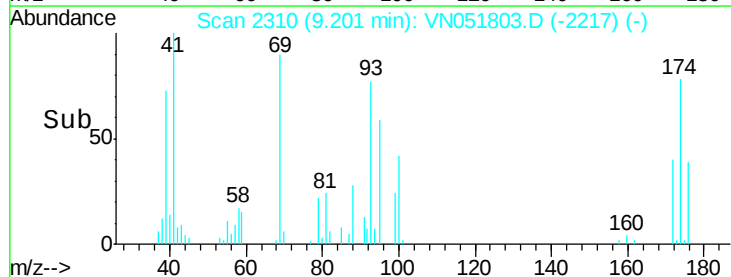
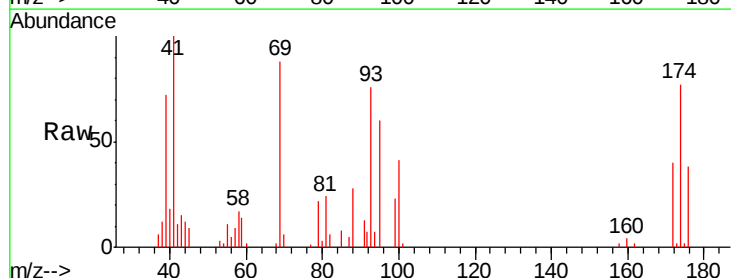
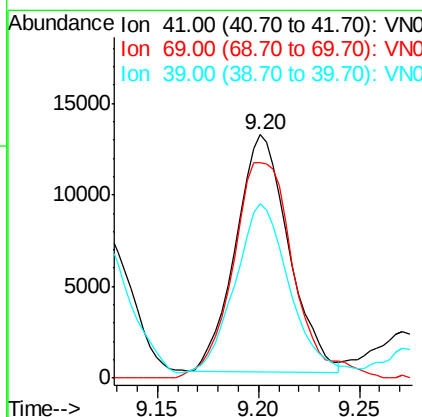
RT: 9.20 min Scan# 2310

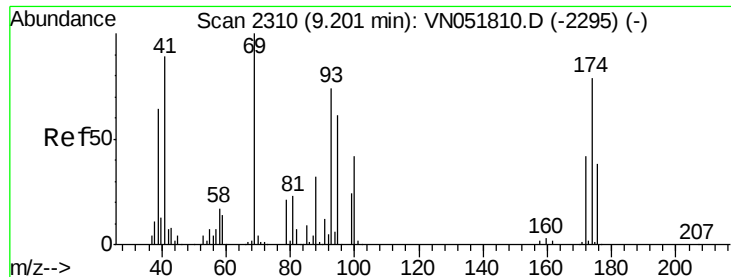
Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Tgt Ion:	41	Resp:	23803
Ion	Ratio	Lower	Upper
41	100		
69	104.2	74.7	112.1
39	75.8	42.2	63.2#





#49

1,4-Dioxane

Concen: 75.92 ug/l m

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Instrument :

MSVOA_N

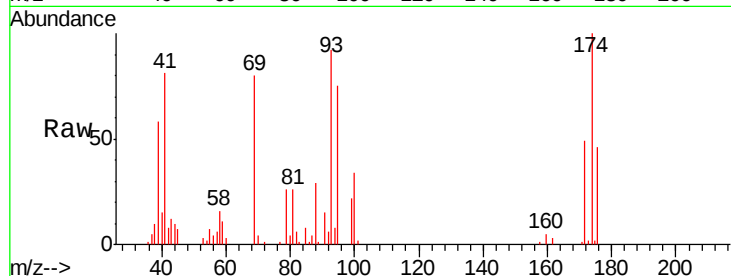
ClientSampleId :

VSTDIC005

Tgt Ion:	88	Resp:	7616
Ion	Ratio	Lower	Upper
88	100		
43	35.0	25.9	38.9
58	60.8	55.0	82.4

Manual Integrations
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10/15/2018 3:00:19 PM

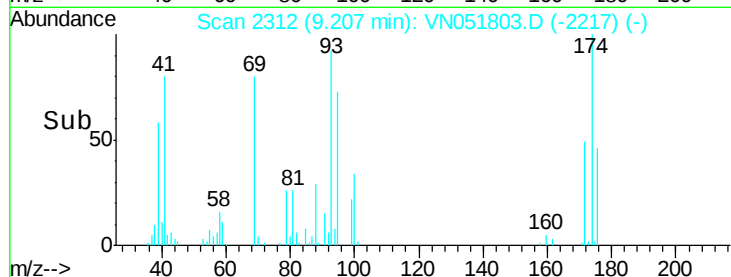


Abundance Ion 88.00 (87.70 to 88.70): VN051810.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN051810.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN051810.D (-2295) (-)

Time-->

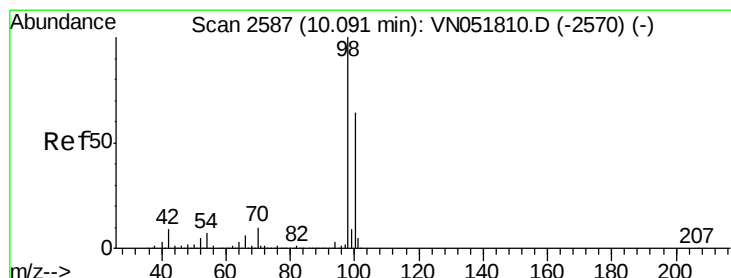


Abundance Ion 88.00 (87.70 to 88.70): VN051803.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN051803.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN051803.D (-2217) (-)

Time-->



#50

Toluene-d8

Concen: 75.92 ug/l

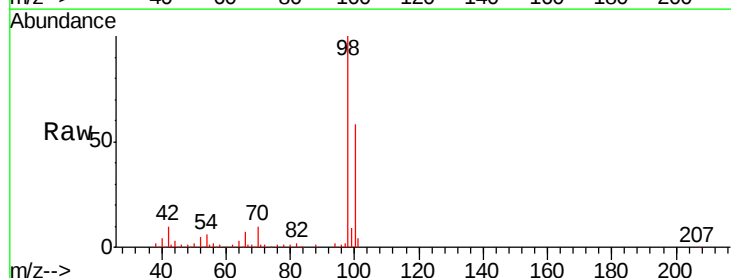
RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

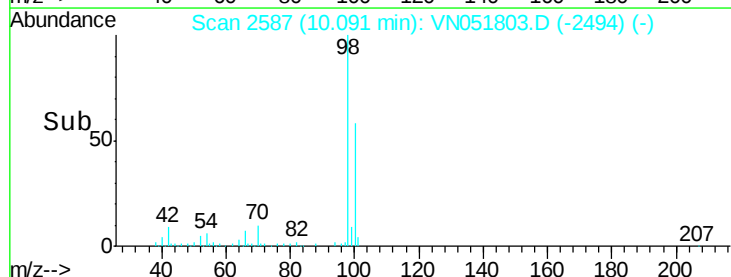
Tgt Ion:	98	Resp:	141877
Ion	Ratio	Lower	Upper
98	100		
100	61.1	51.5	77.3



Abundance Ion 98.00 (97.70 to 98.70): VN051810.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051810.D (-2570) (-)

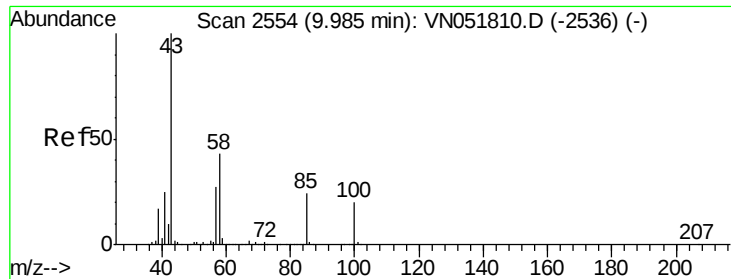
Time-->



Abundance Ion 98.00 (97.70 to 98.70): VN051803.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN051803.D (-2494) (-)

Time-->



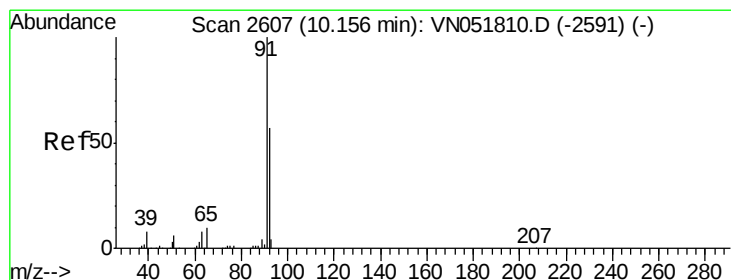
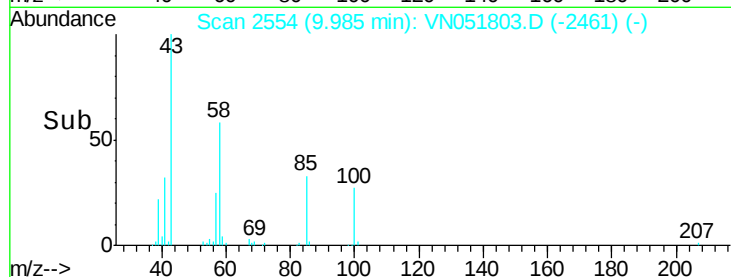
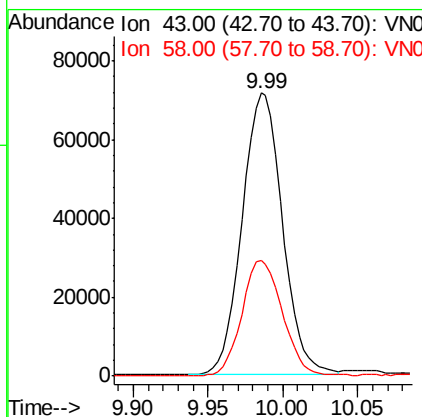
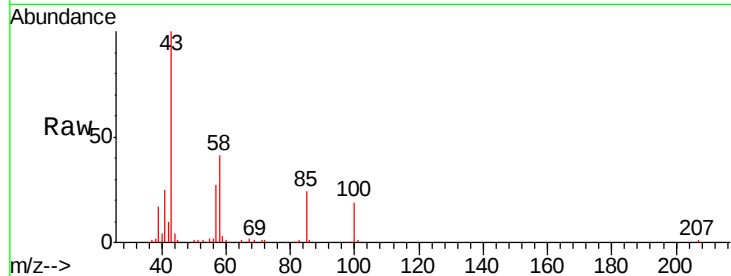
#51
4-Methyl-2-Pentanone
Concen: 15.55 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.3	32.4	48.6

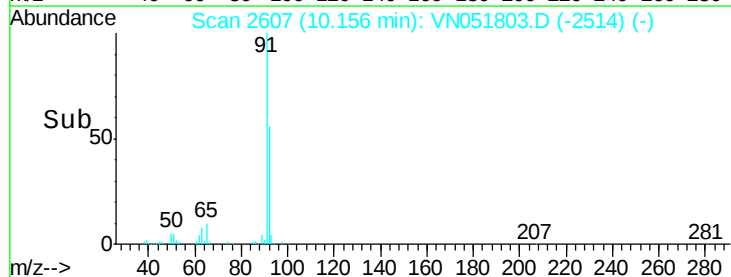
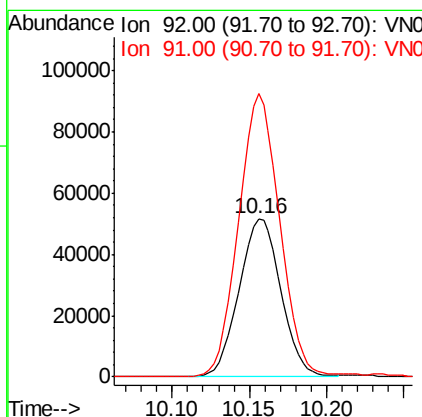
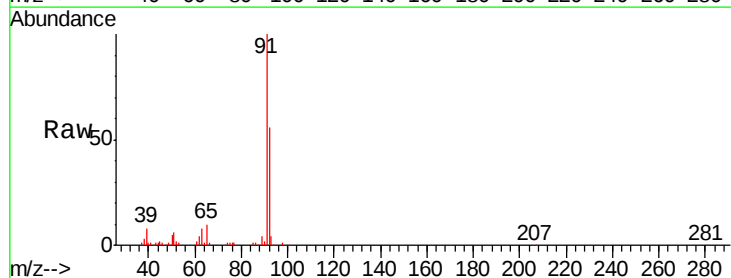
Manual Integrations
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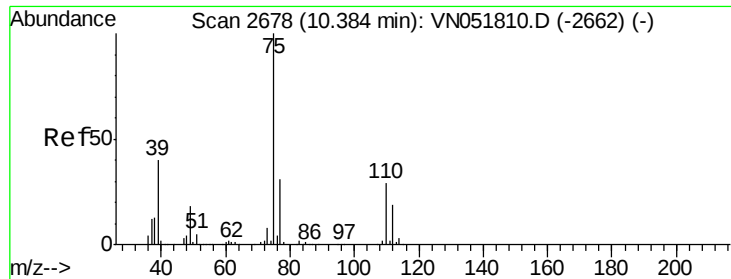
MMDadoda
10/15/2018 3:00:19 PM



#52
Toluene
Concen: 3.72 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.5	140.6	211.0





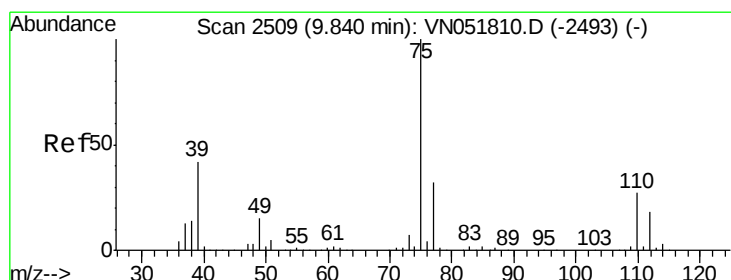
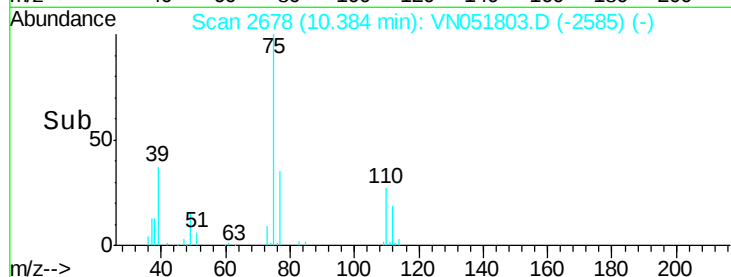
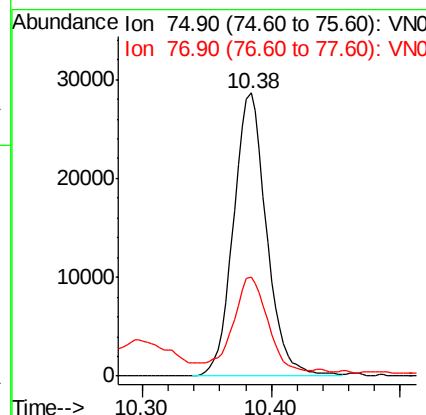
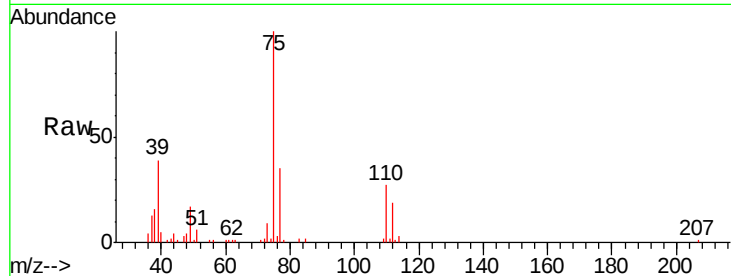
#53
t-1,3-Dichloropropene
Concen: 3.60 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 51026
Ion Ratio Lower Upper
75 100
77 33.2 25.7 38.5

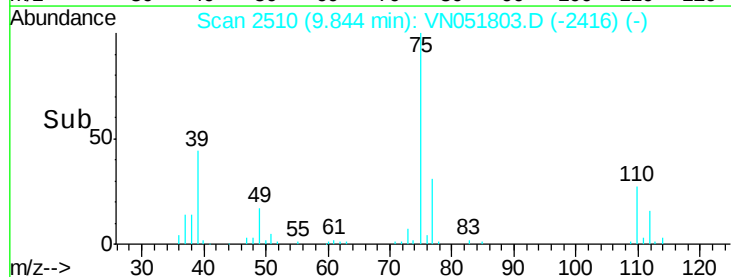
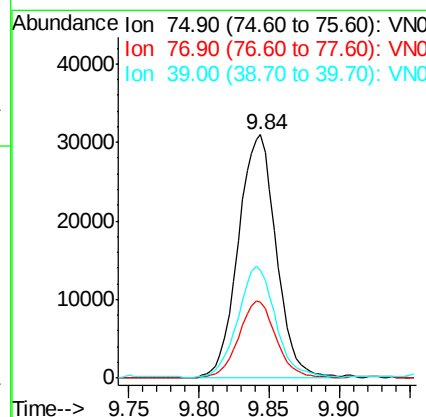
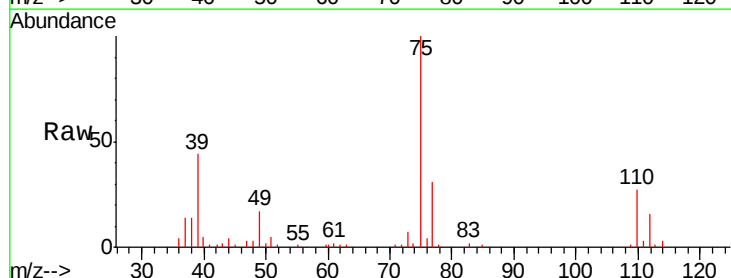
Manual Integrations
APPROVED

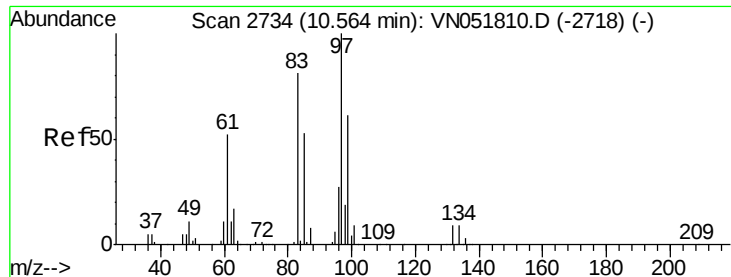
MMDadoda
10/15/2018 3:00:19 PM



#54
cis-1,3-Dichloropropene
Concen: 3.60 ug/l
RT: 9.84 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion: 75 Resp: 58449
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2
39 44.2 33.0 49.4





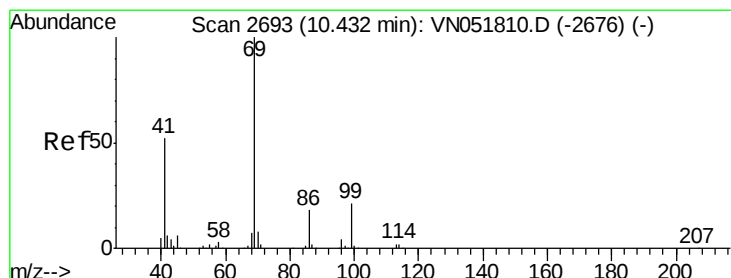
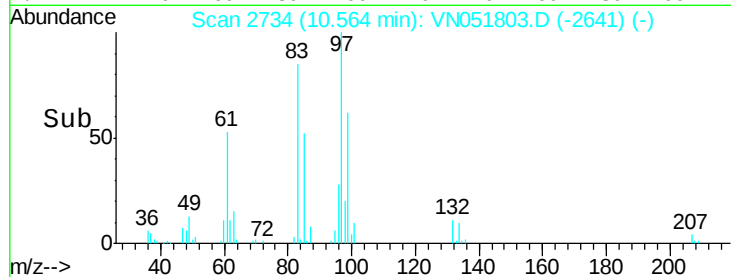
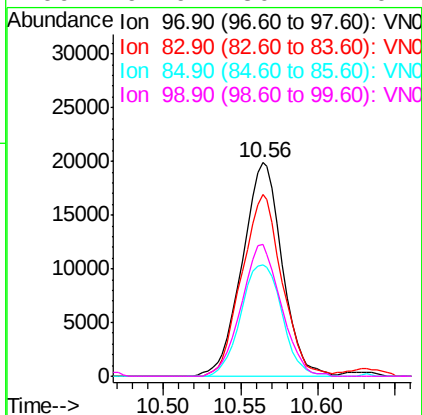
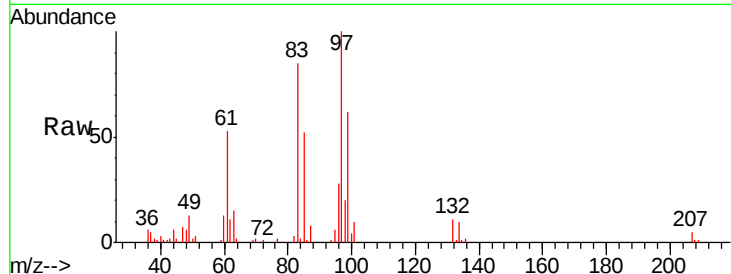
#55
 1,1,2-Trichloroethane
 Concen: 3.69 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.7	104.5
85	52.3	44.5	66.7
99	61.9	50.7	76.1

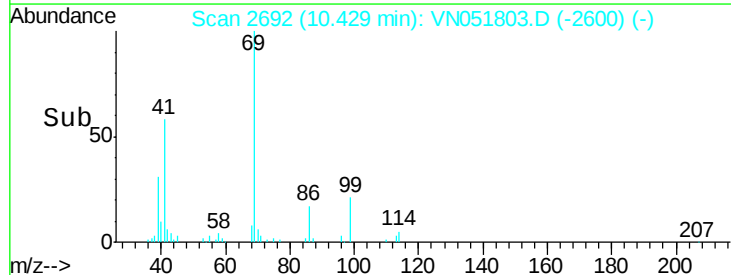
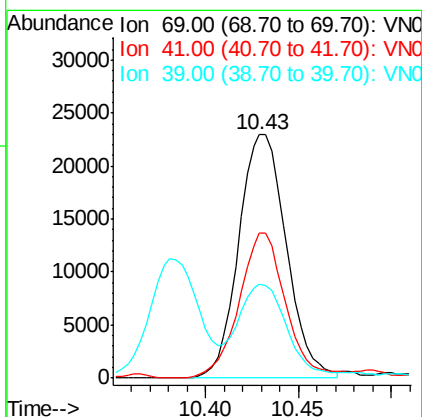
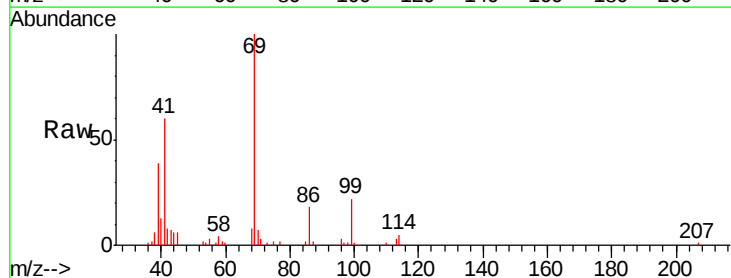
Manual Integrations
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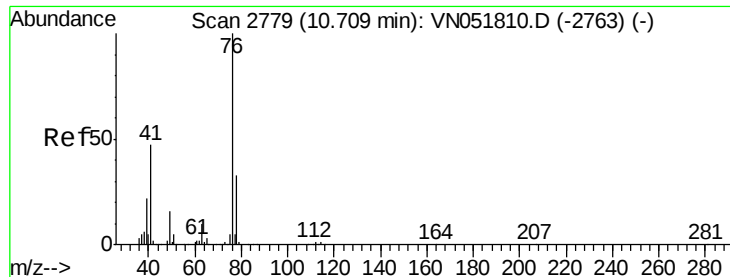
MMDadoda
 10/15/2018 3:00:19 PM



#56
 Ethyl methacrylate
 Concen: 3.72 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.7	48.3	72.5
39	37.4	24.0	36.0#





#57

1,3-Dichloropropane

Concen: 3.65 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 58347

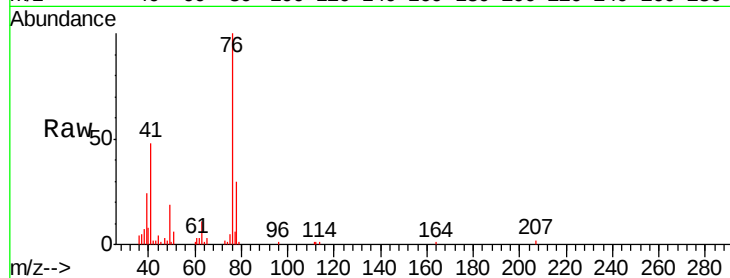
Ion Ratio Lower Upper

76 100

78 30.0 25.5 38.3

Manual Integrations
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10/15/2018 3:00:19 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

30000

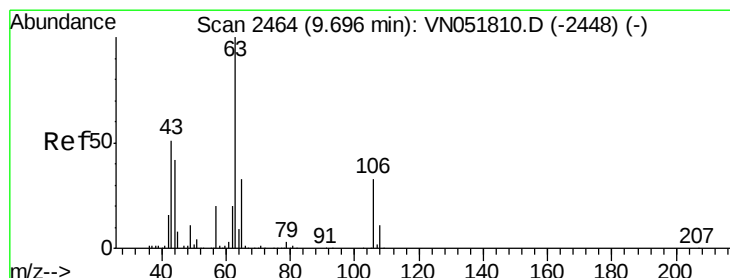
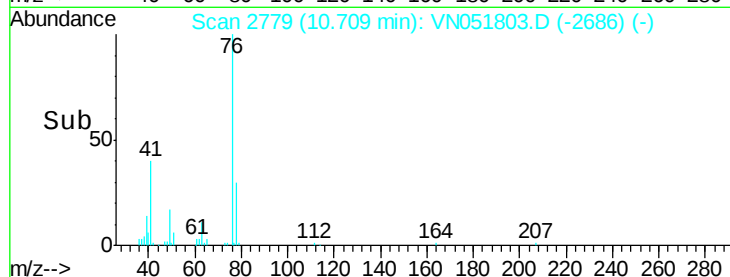
20000

10000

0

Time-->

10.65 10.70 10.75 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 19.36 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051803.D

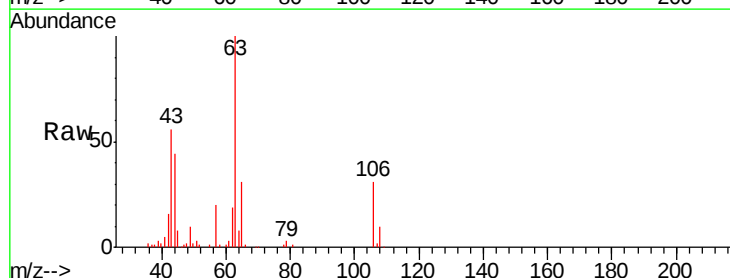
Acq: 11 Oct 2018 8:46

Tgt Ion: 63 Resp: 90885

Ion Ratio Lower Upper

63 100

106 32.6 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

60000

50000

40000

30000

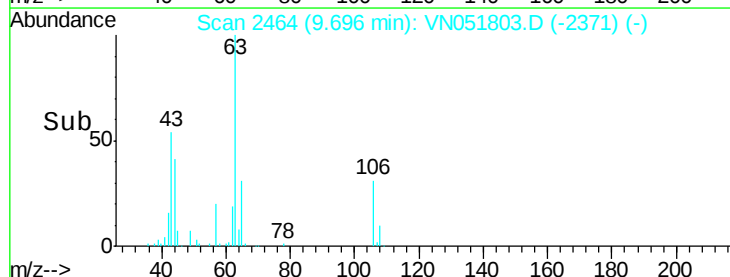
20000

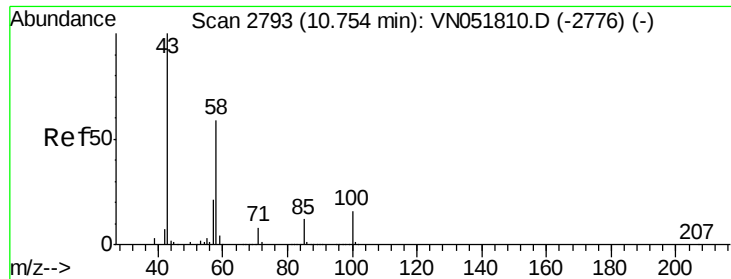
10000

0

Time-->

9.60 9.65 9.70 9.75 9.80





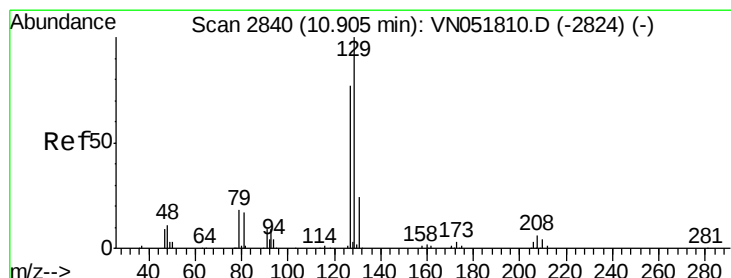
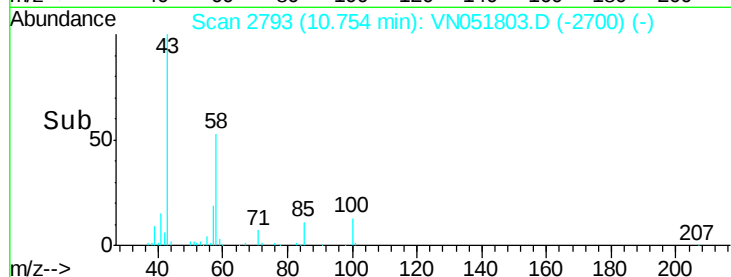
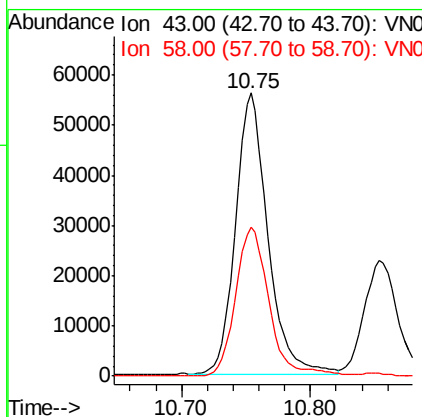
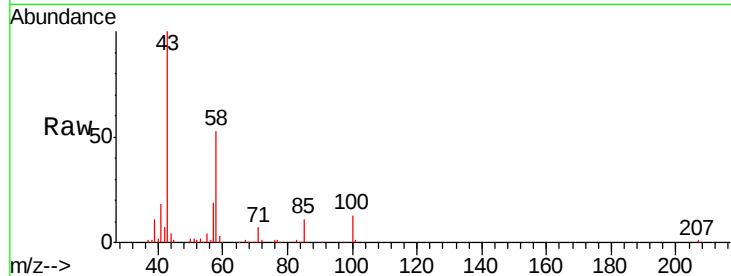
#59
2-Hexanone
Concen: 16.90 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 96951
Ion Ratio Lower Upper
43 100
58 55.4 28.3 85.0

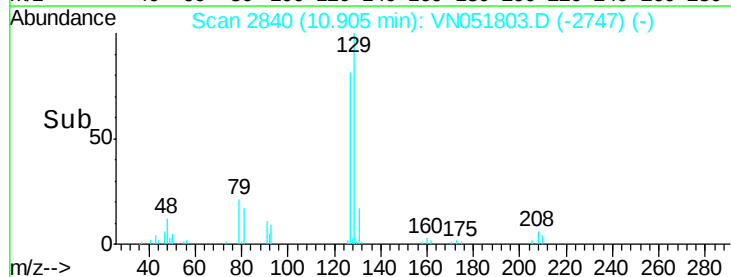
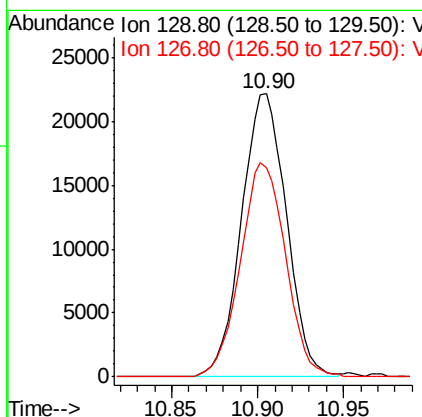
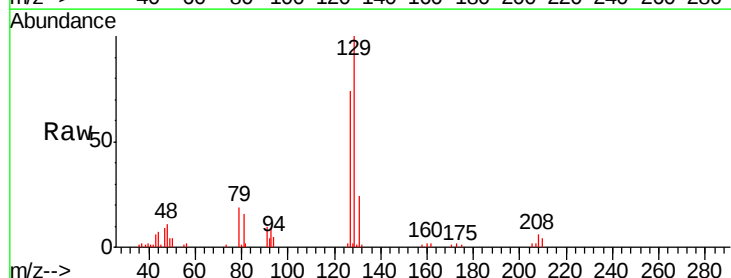
Manual Integrations
APPROVED

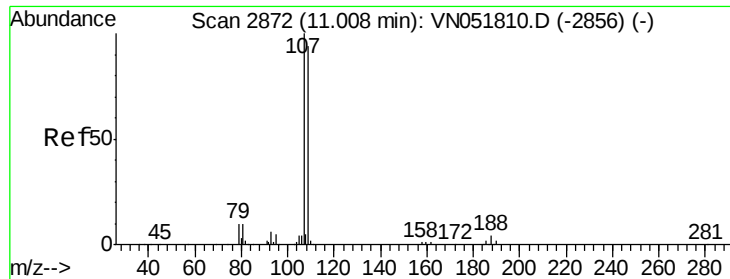
MMDadoda
10/15/2018 3:00:19 PM



#60
Dibromochloromethane
Concen: 3.71 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion: 129 Resp: 40255
Ion Ratio Lower Upper
129 100
127 76.2 38.3 114.9





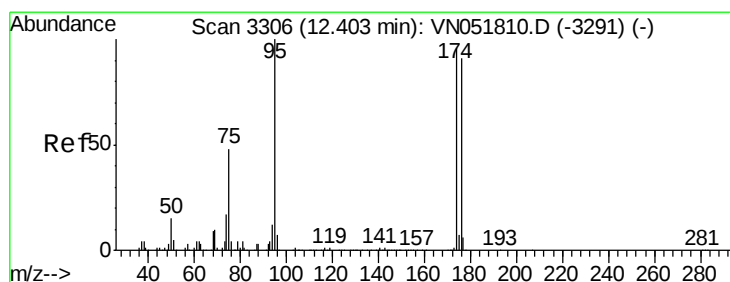
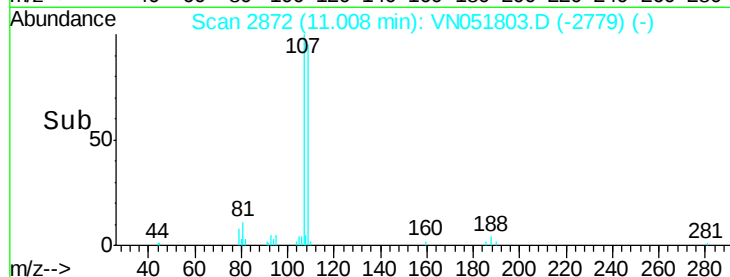
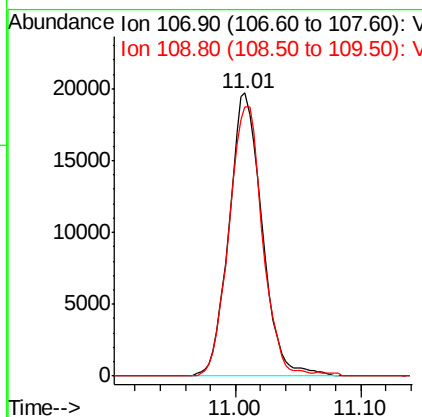
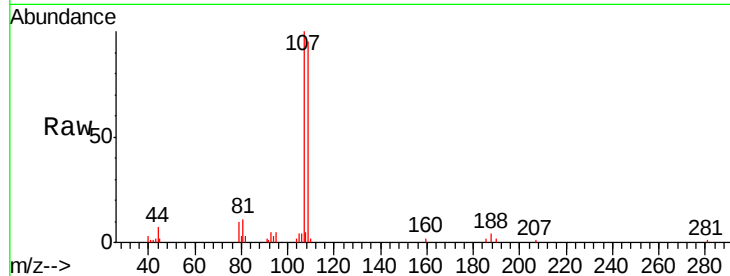
#61
1,2-Dibromoethane
Concen: 3.86 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 107 Resp: 36134
Ion Ratio Lower Upper
107 100
109 96.2 75.4 113.2

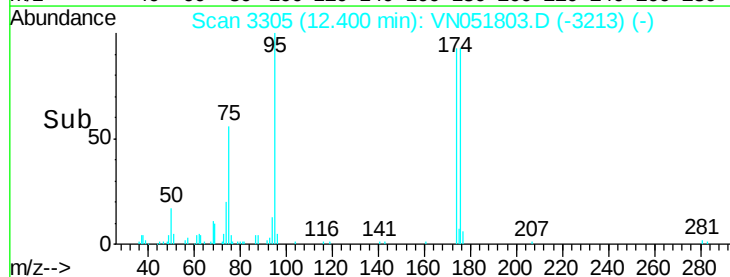
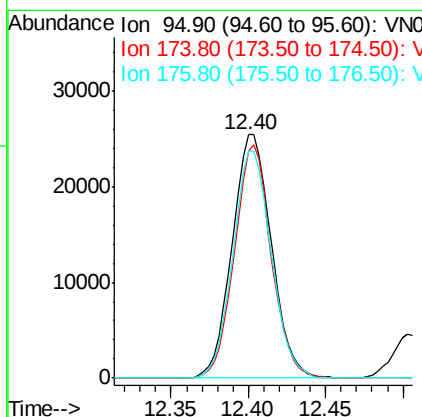
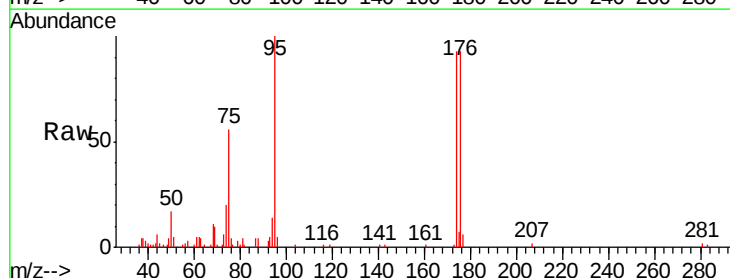
Manual Integrations
APPROVED

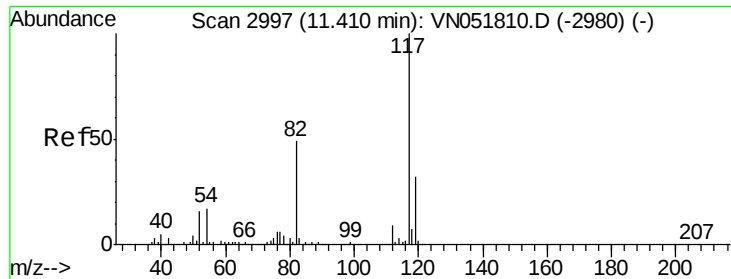
MMDadoda
10/15/2018 3:00:19 PM



#62
4-Bromofluorobenzene
Concen: 3.86 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion: 95 Resp: 44756
Ion Ratio Lower Upper
95 100
174 89.9 0.0 183.0
176 91.2 0.0 178.8





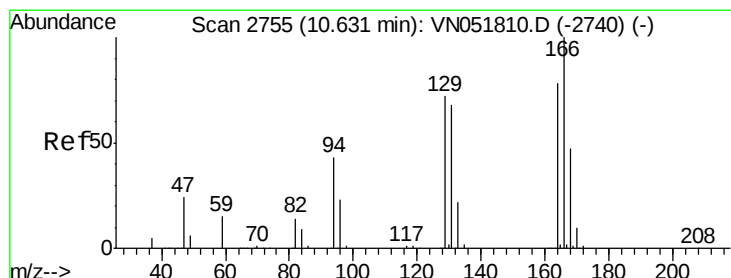
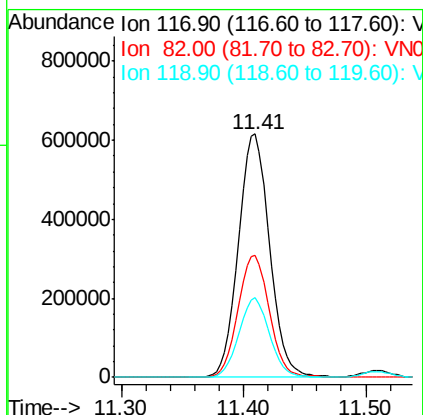
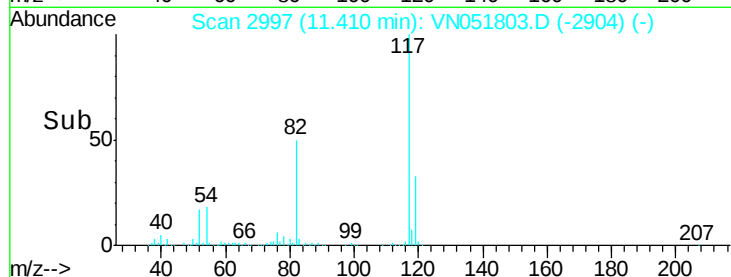
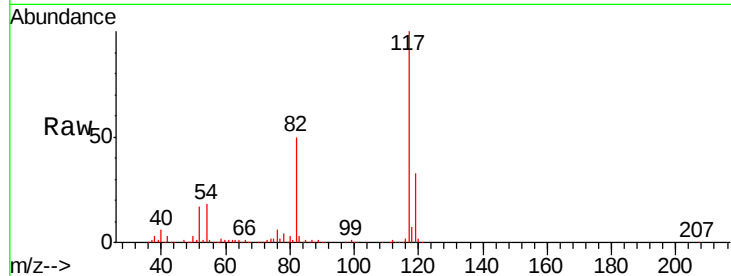
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 1087570
Ion Ratio Lower Upper
117 100
82 49.9 42.6 64.0
119 32.5 25.8 38.6

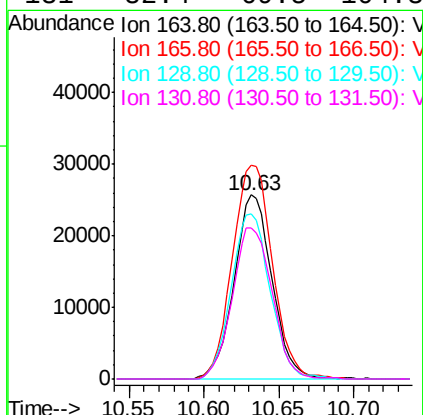
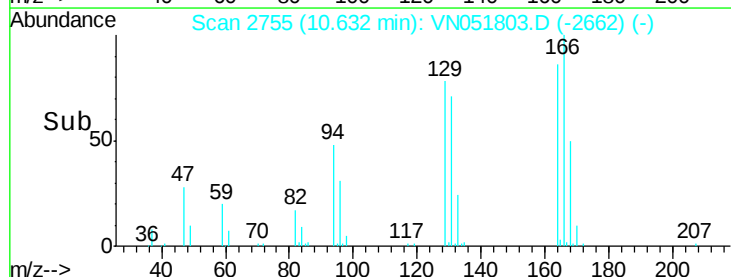
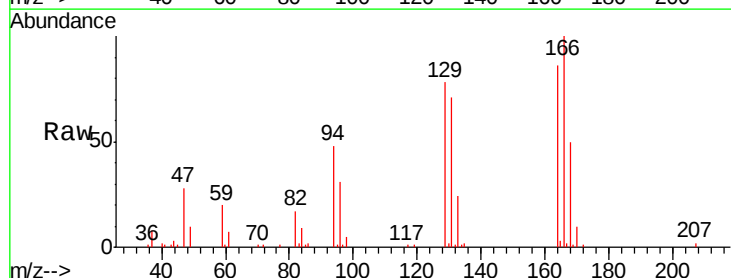
Manual Integrations
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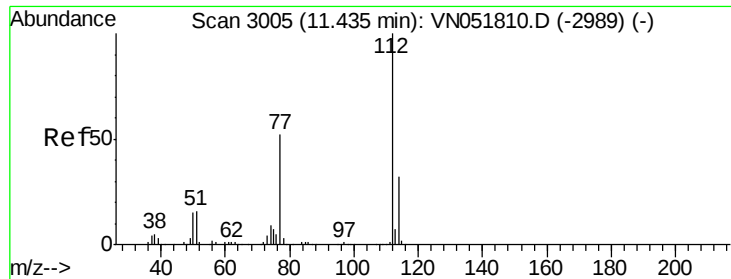
MMDadoda
10/15/2018 3:00:19 PM



#64
Tetrachloroethene
Concen: 4.38 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion:164 Resp: 45229
Ion Ratio Lower Upper
164 100
166 116.1 103.5 155.3
129 90.1 72.7 109.1
131 82.4 69.5 104.3





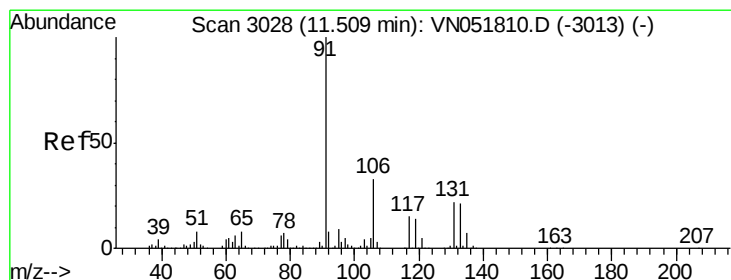
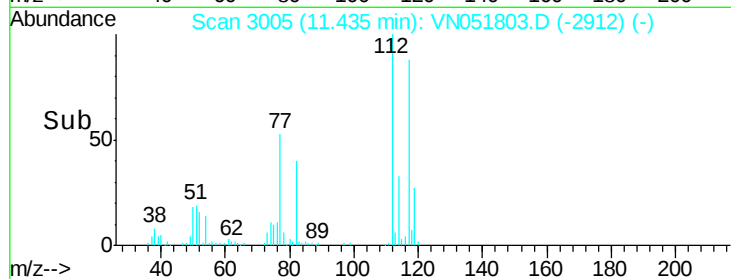
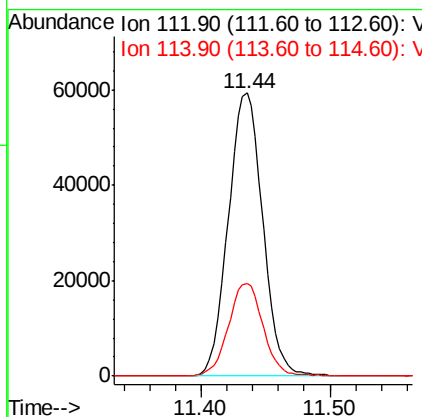
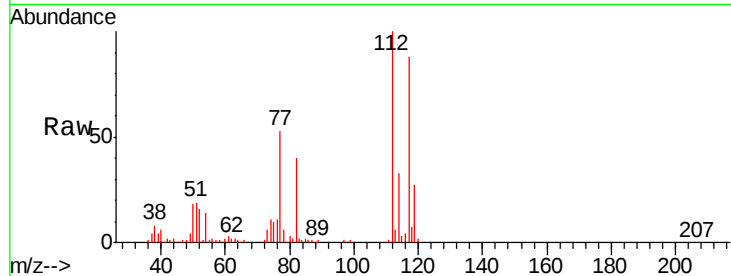
#65
Chlorobenzene
Concen: 3.87 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 110051
Ion Ratio Lower Upper
112 100
114 32.9 25.6 38.4

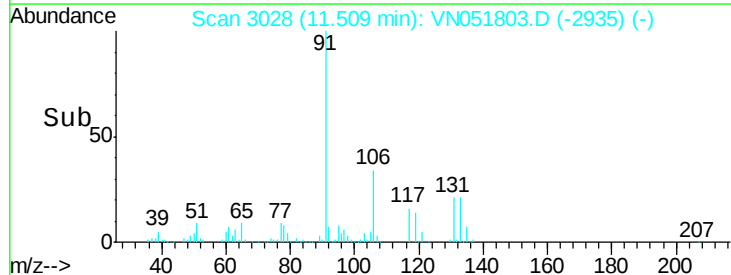
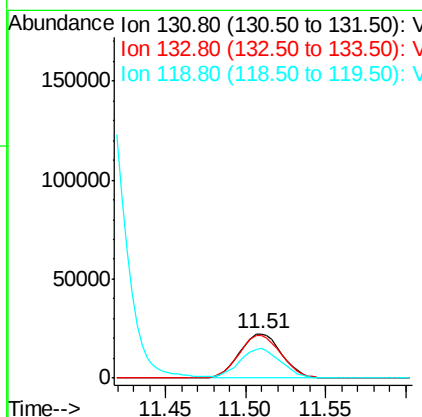
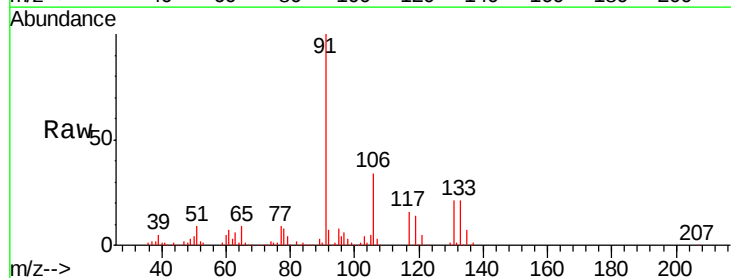
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APPROVED

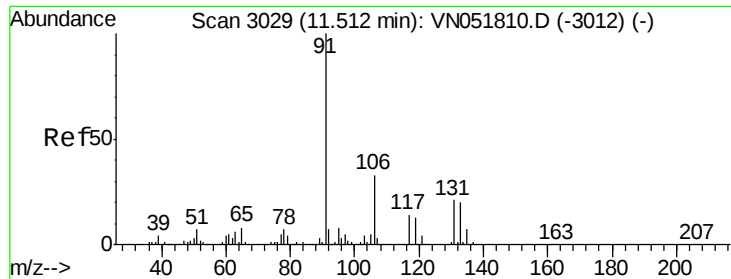
MMDadoda
10/15/2018 3:00:19 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 3.86 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion:131 Resp: 40170
Ion Ratio Lower Upper
131 100
133 96.9 47.4 142.3
119 65.9 32.8 98.4





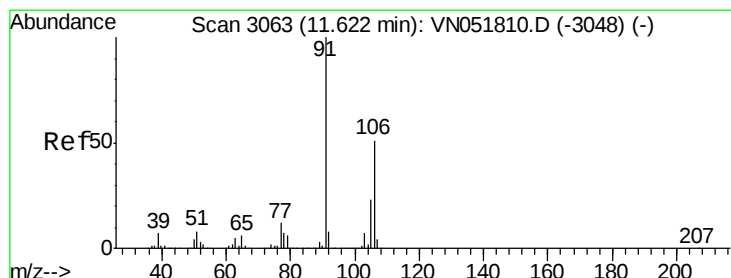
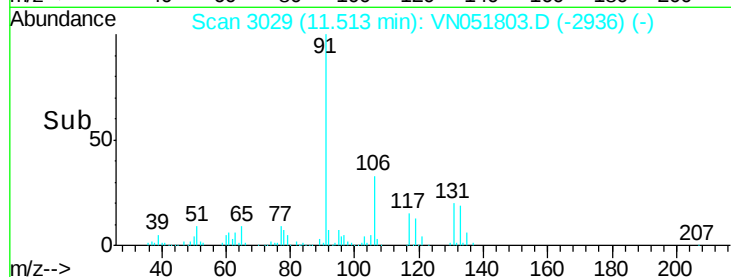
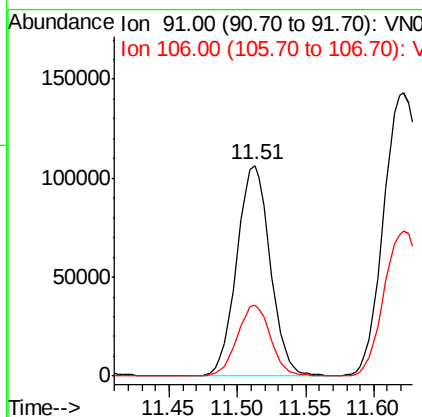
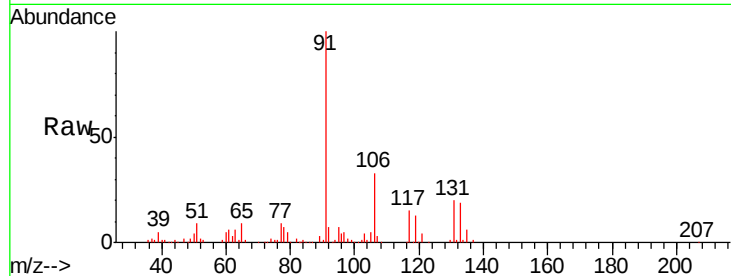
#67
Ethyl Benzene
Concen: 3.94 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 181978
Ion Ratio Lower Upper
91 100
106 33.4 25.0 37.4

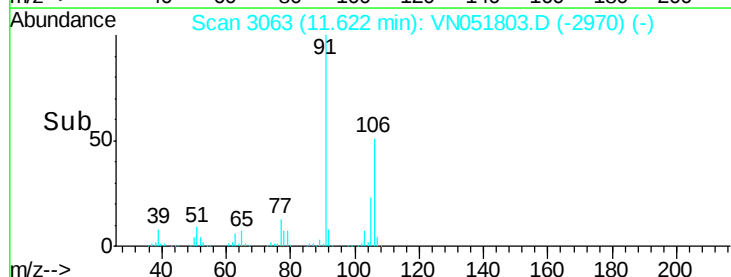
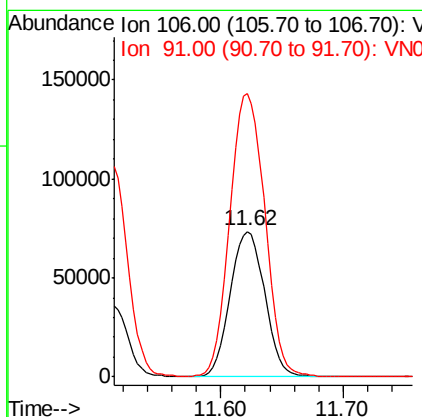
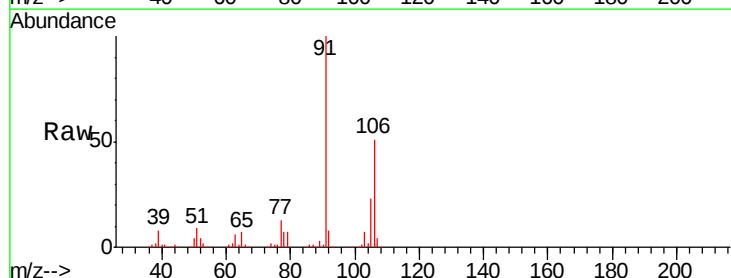
Manual Integrations
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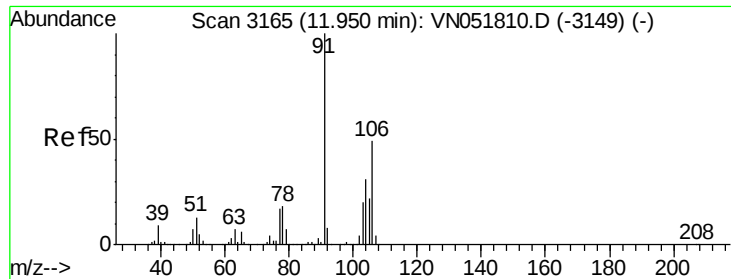
MMDadoda
10/15/2018 3:00:19 PM



#68
m/p-Xylenes
Concen: 8.26 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion: 106 Resp: 144888
Ion Ratio Lower Upper
106 100
91 196.4 161.0 241.6





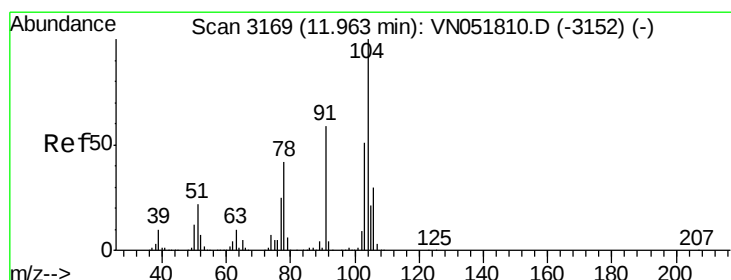
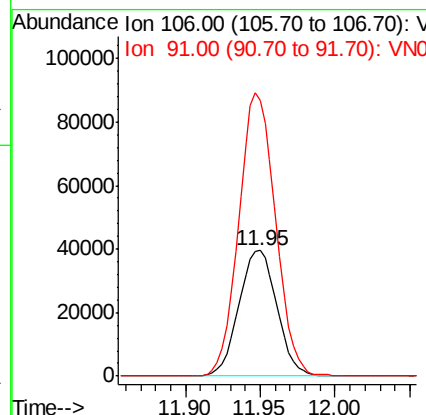
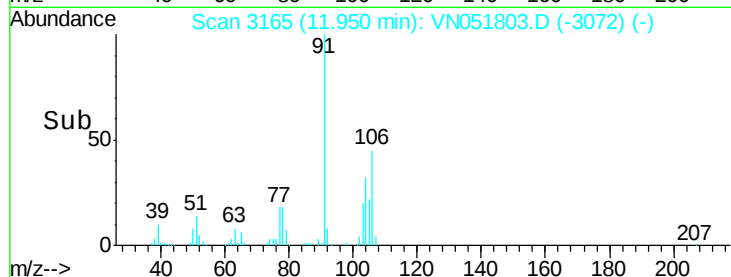
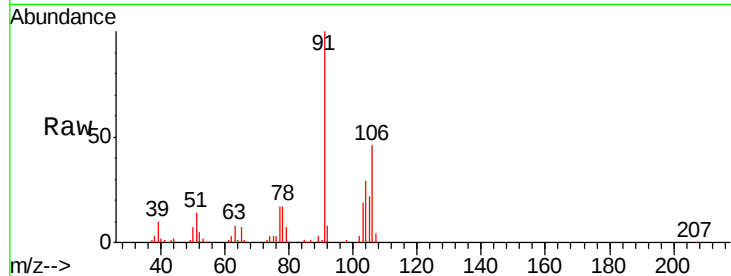
#69
o-Xylene
Concen: 4.15 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 69997
Ion Ratio Lower Upper
106 100
91 217.3 106.5 319.5

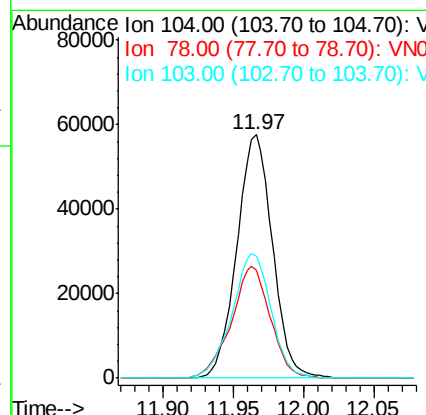
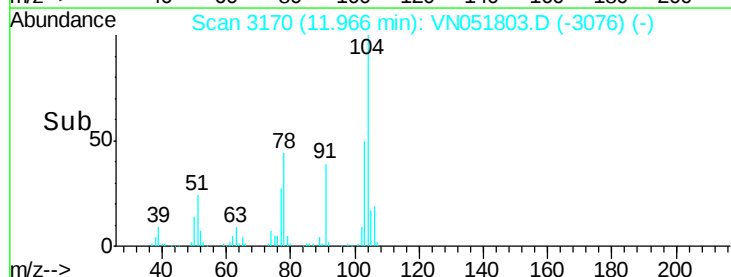
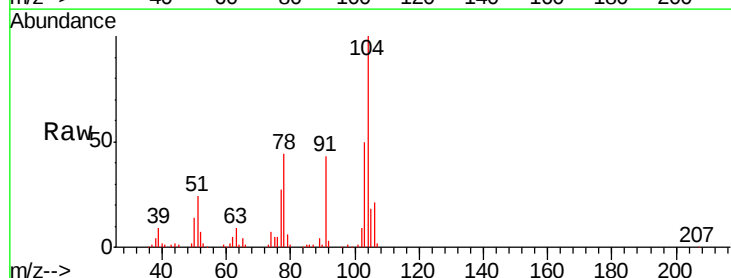
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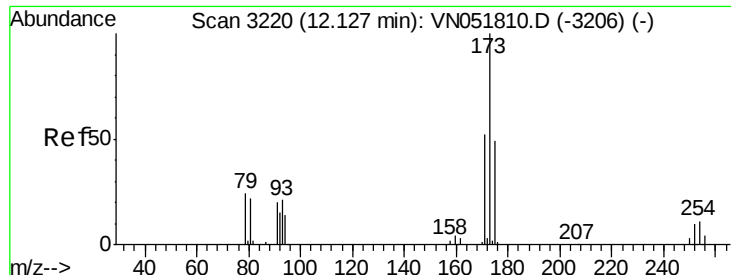
MMDadoda
10/15/2018 3:00:19 PM



#70
Styrene
Concen: 3.87 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion:104 Resp: 102081
Ion Ratio Lower Upper
104 100
78 50.2 38.2 57.4
103 56.0 44.4 66.6





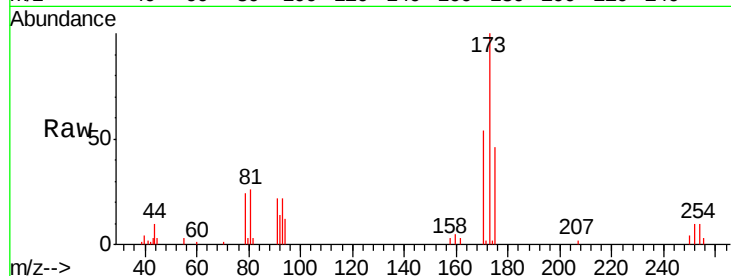
#71
Bromoform
Concen: 3.61 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

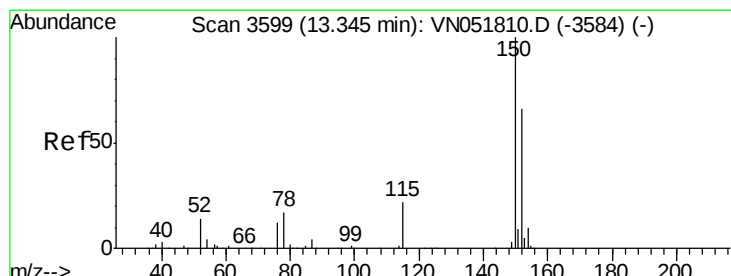
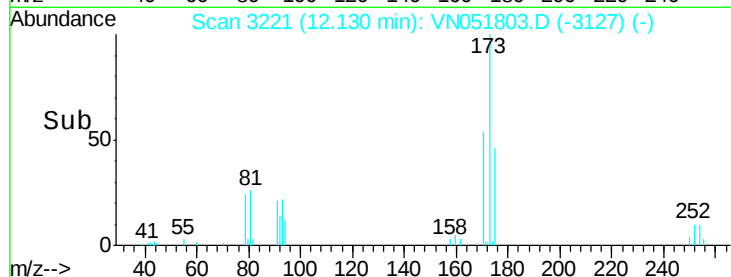
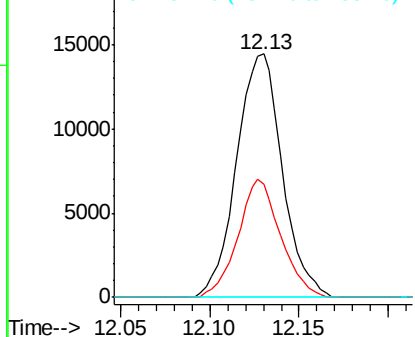
Tgt Ion	Ratio	Lower	Upper
173	100		
175	45.2	24.4	73.4
254	0.0	0.1	0.1#

Manual Integrations
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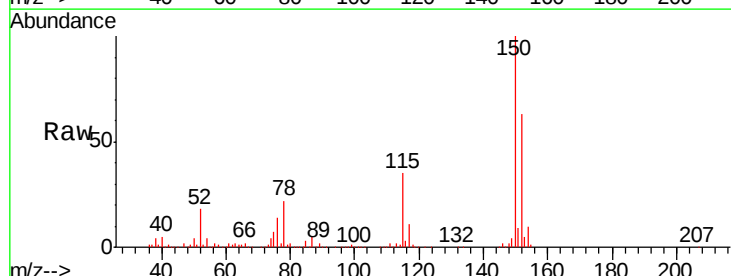


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

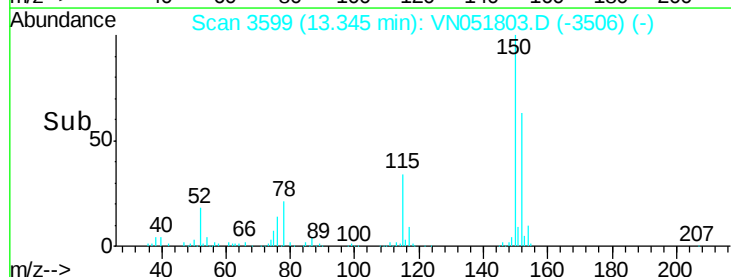
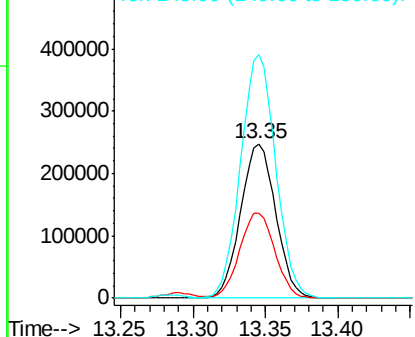


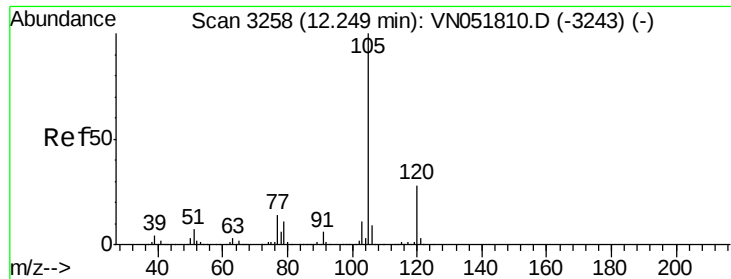
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.8	83.4
150	157.5	0.0	351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.51 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 190220

Ion Ratio Lower Upper

105 100

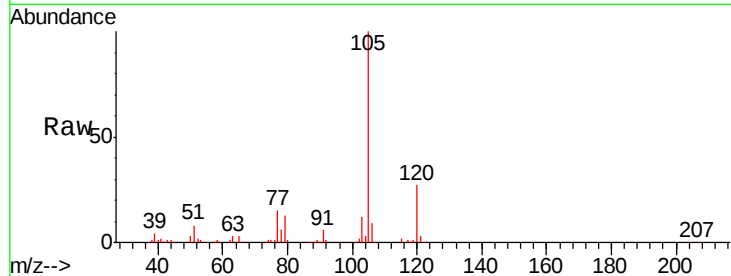
120 27.3 13.5 40.4

Manual Integrations

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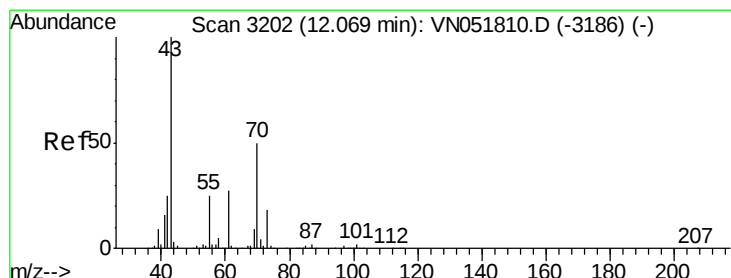
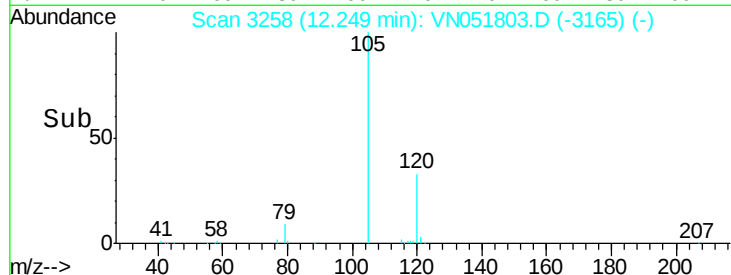
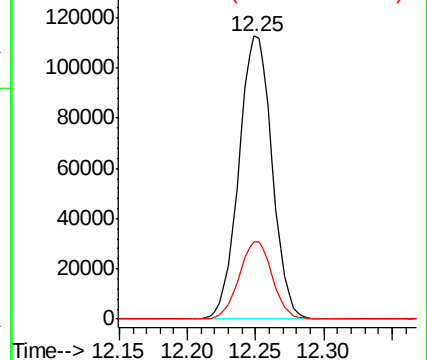
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.08 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Tgt Ion: 43 Resp: 35374

Ion Ratio Lower Upper

43 100

70 48.4 36.2 54.2

55 28.6 21.8 32.8

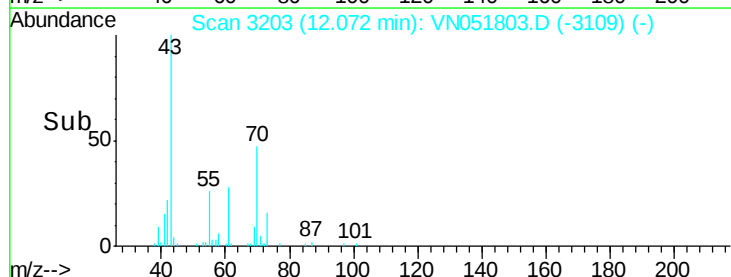
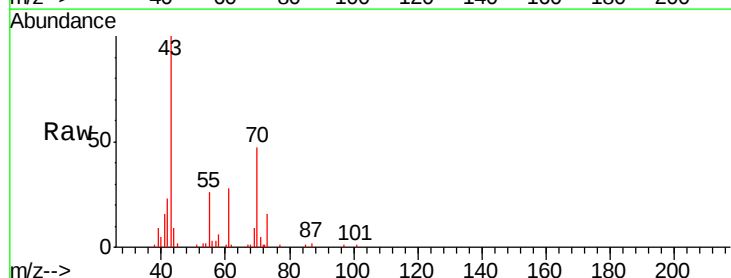
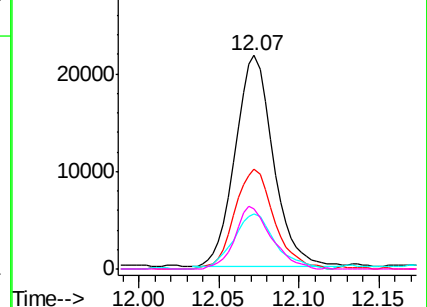
61 28.0 20.5 30.7

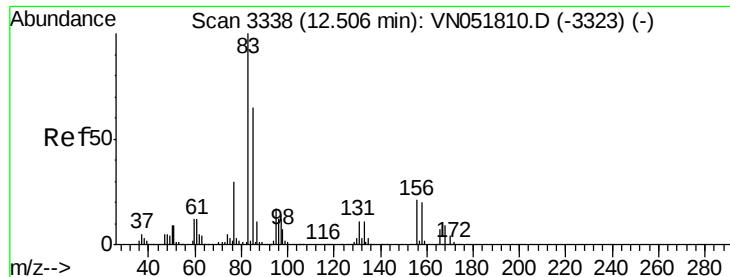
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 4.38 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Instrument :

MSVOA_N

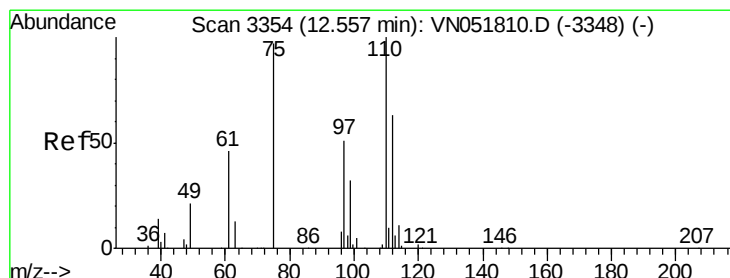
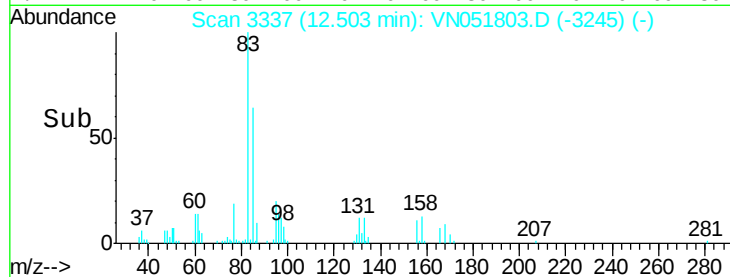
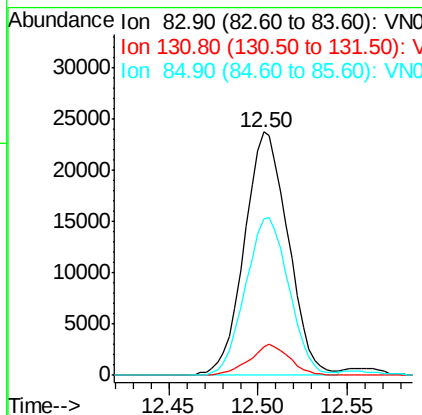
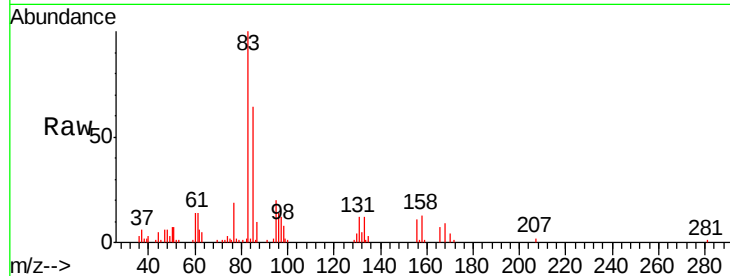
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	40775
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.3	15.9
85	64.5	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.63 ug/l m

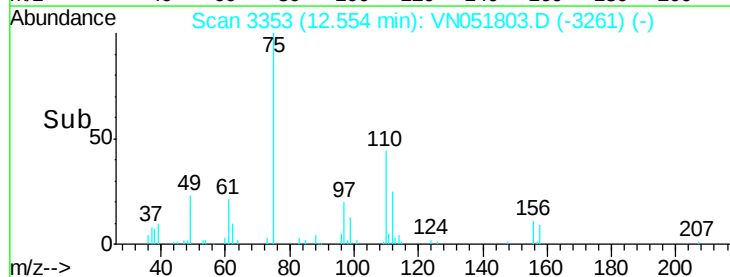
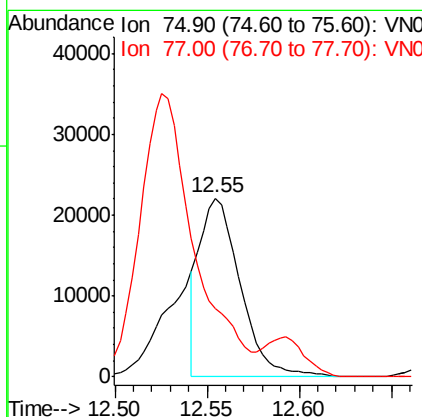
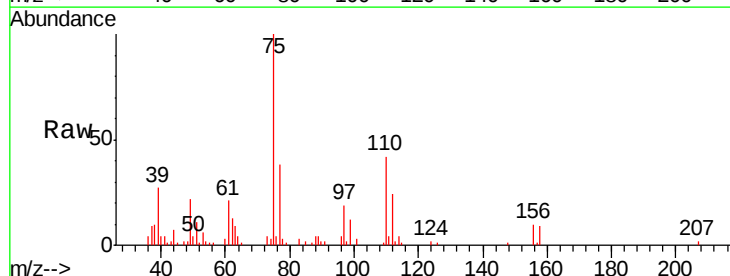
RT: 12.55 min Scan# 3353

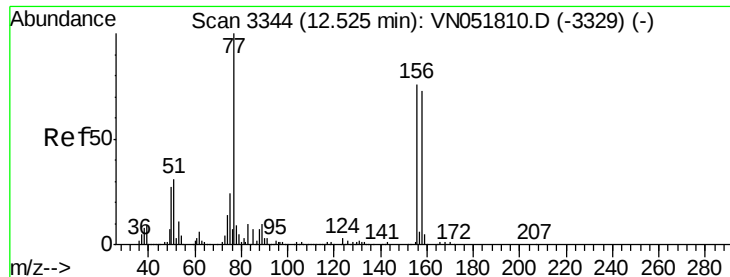
Delta R.T. -0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Tgt Ion:	75	Resp:	33814
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.74 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Instrument :

MSVOA_N

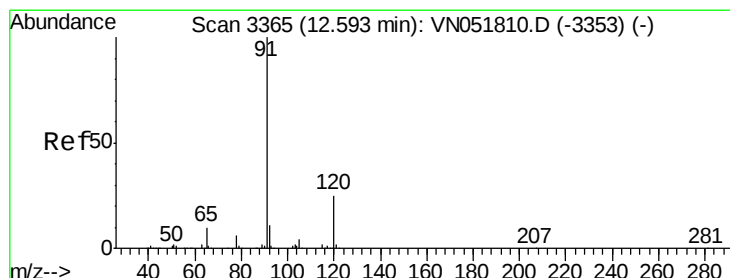
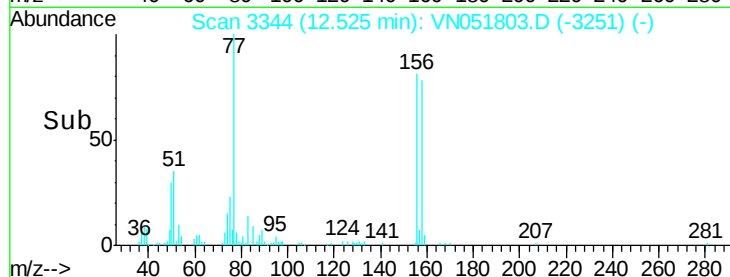
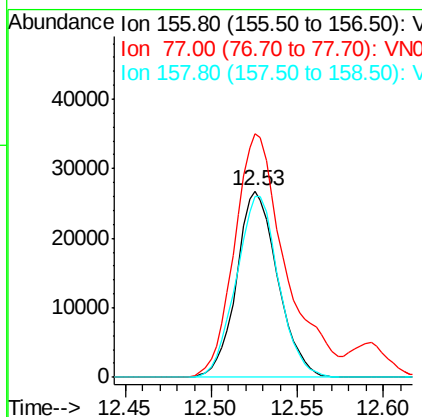
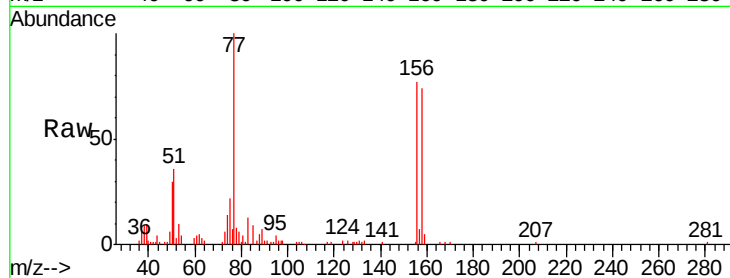
ClientSampleId :

VSTDIC005

Tgt Ion:	156	Resp:	44462
Ion Ratio	Lower	Upper	
156	100		
77	163.2	89.9	269.7
158	100.7	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 4.92 ug/l

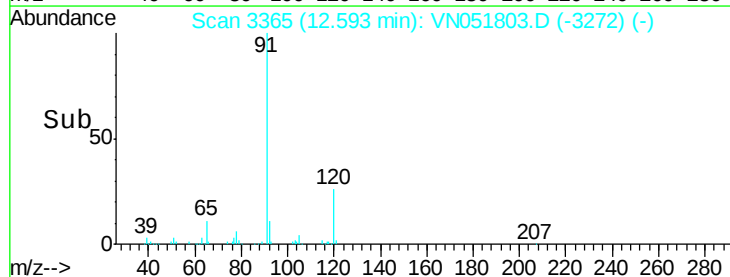
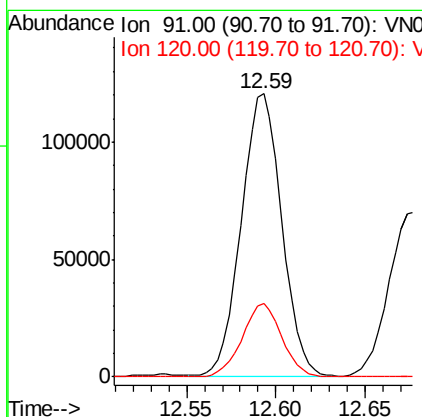
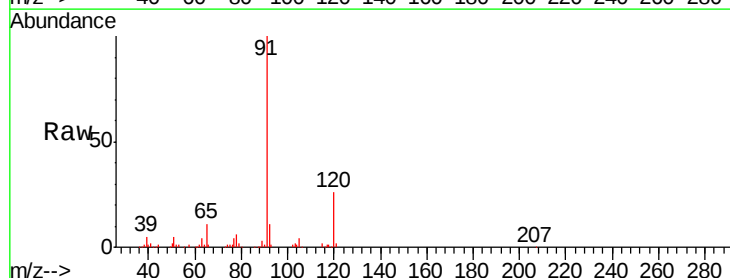
RT: 12.59 min Scan# 3365

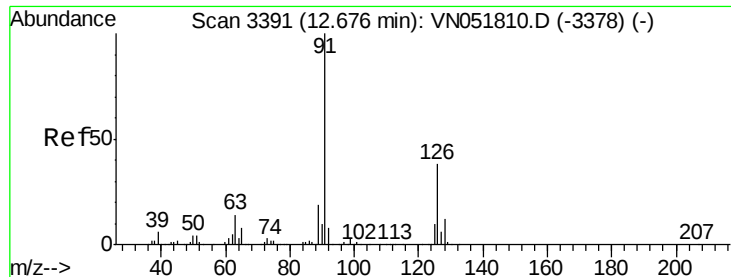
Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Tgt Ion:	91	Resp:	189698
Ion Ratio	Lower	Upper	
91	100		
120	25.5	11.7	35.0





#79

2-Chlorotoluene

Concen: 4.89 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051803.D

Acq: 11 Oct 2018 8:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 117547

Ion Ratio Lower Upper

91 100

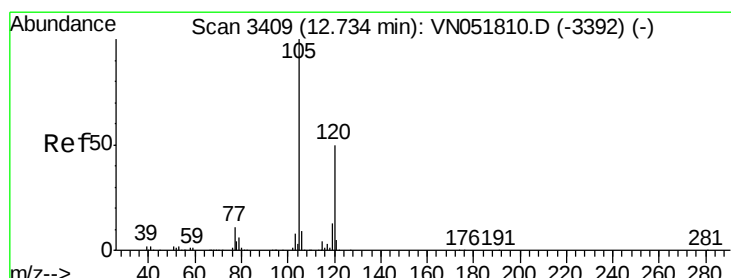
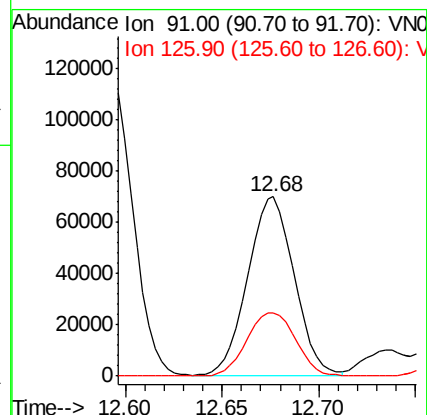
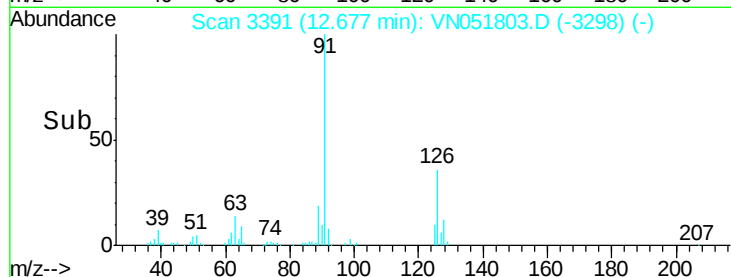
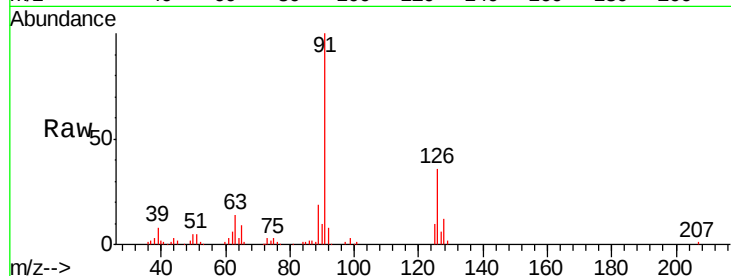
126 37.4 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.35 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051803.D

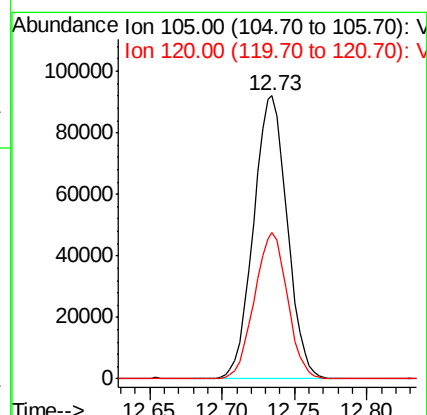
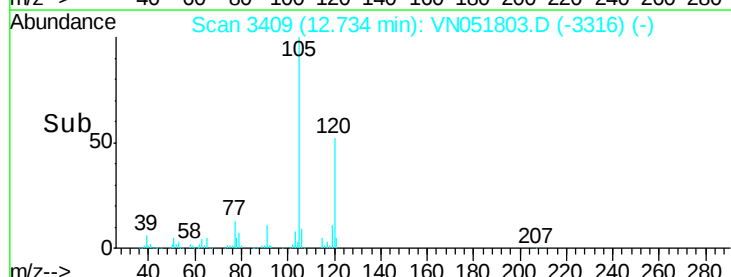
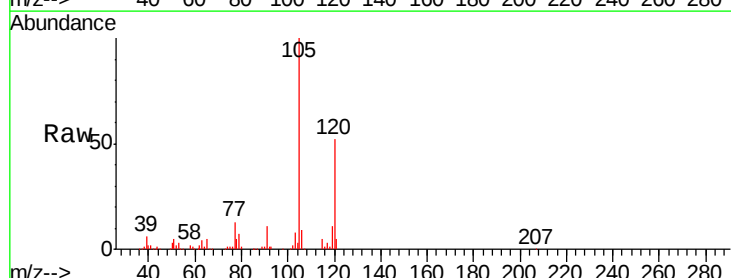
Acq: 11 Oct 2018 8:46

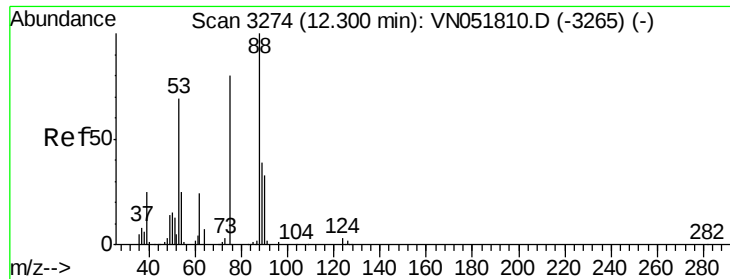
Tgt Ion: 105 Resp: 149129

Ion Ratio Lower Upper

105 100

120 50.6 24.6 74.0





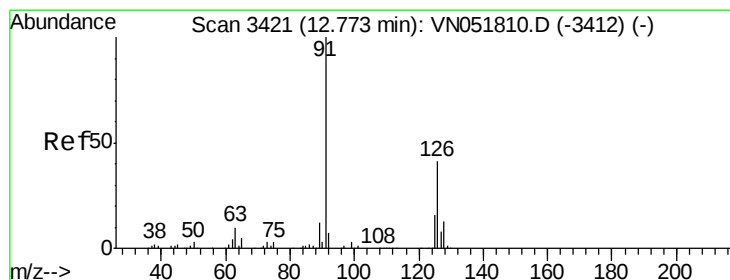
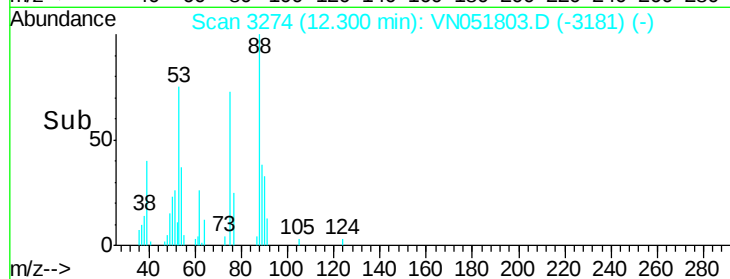
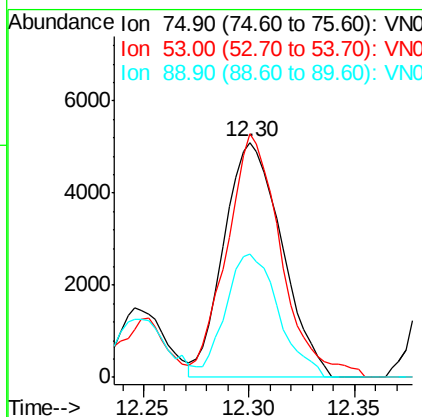
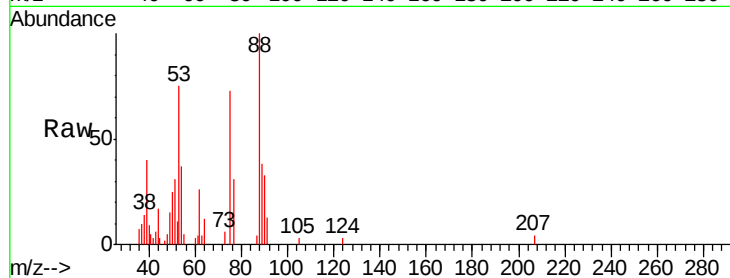
#81
trans-1,4-Dichloro-2-butene
Concen: 4.49 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
53	97.1	68.9	103.3
89	47.9	36.1	54.1

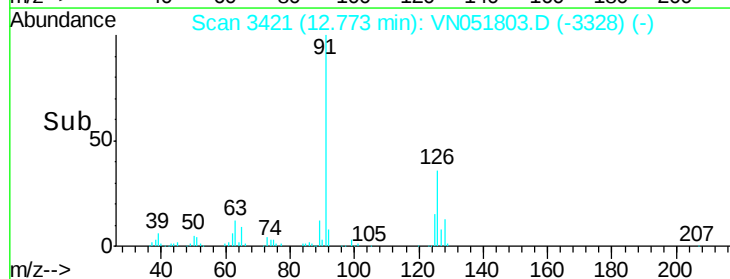
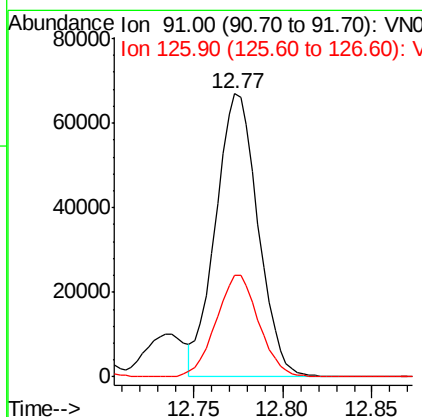
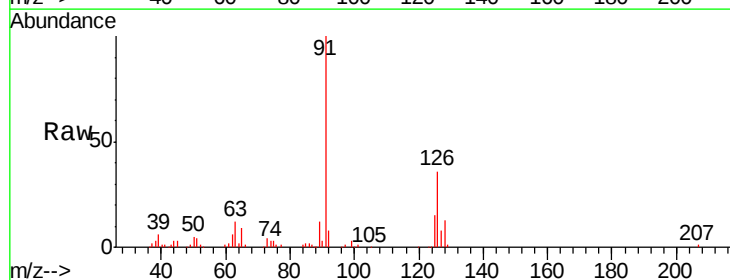
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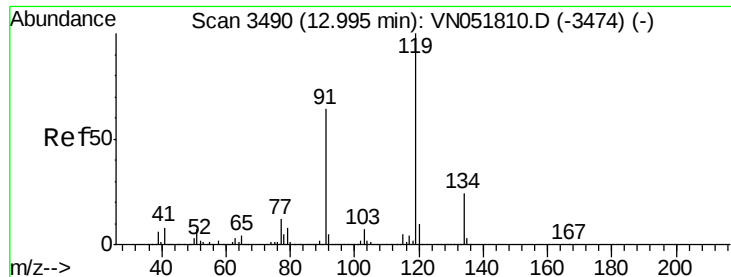
MMDadoda
10/15/2018 3:00:19 PM



#82
4-Chlorotoluene
Concen: 4.65 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.5	52.5





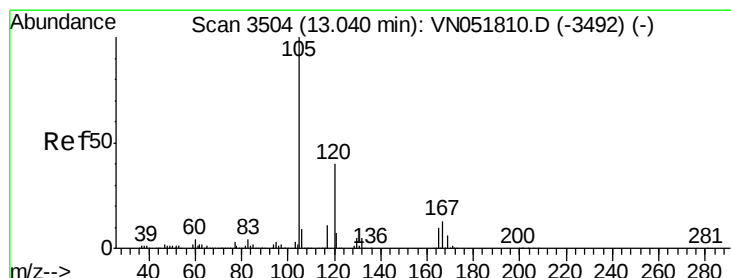
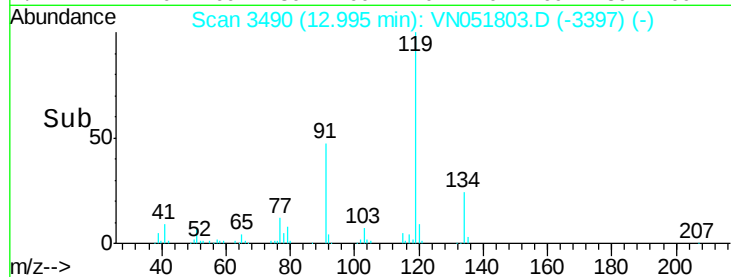
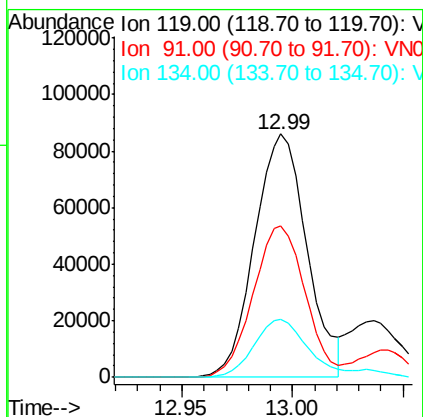
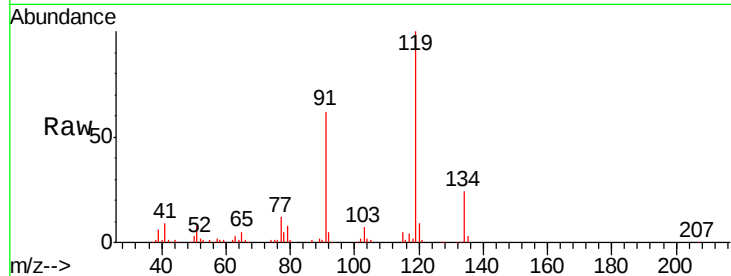
#83
 tert-Butylbenzene
 Concen: 5.86 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	141392		
91	61.8	31.6	94.7	
134	24.5	13.4	40.1	

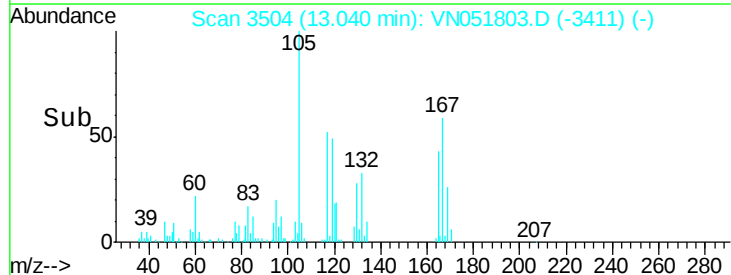
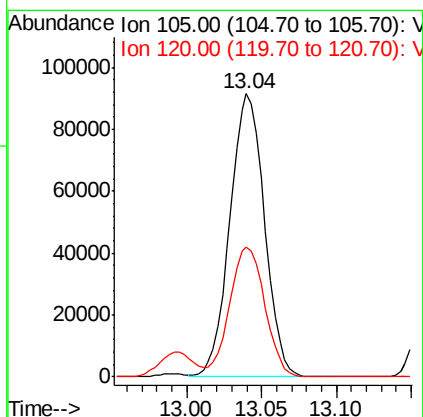
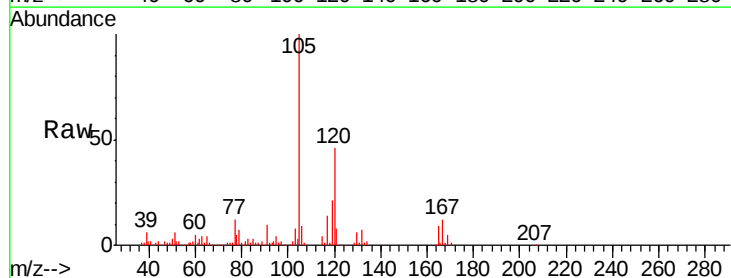
Manual Integrations
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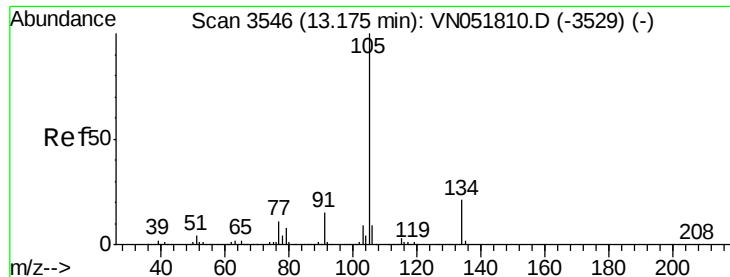
MMDadoda
 10/15/2018 3:00:19 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.26 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	147357		
120	46.7	22.9	68.8	





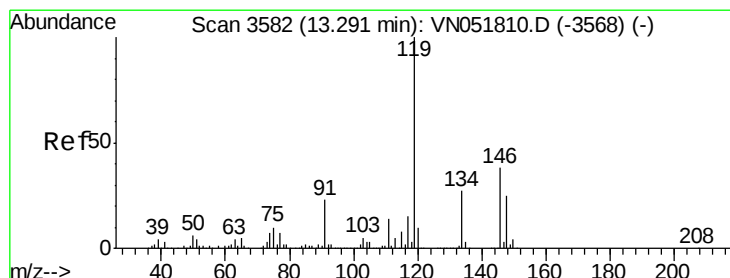
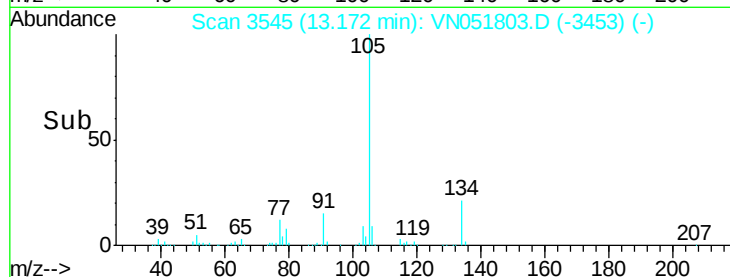
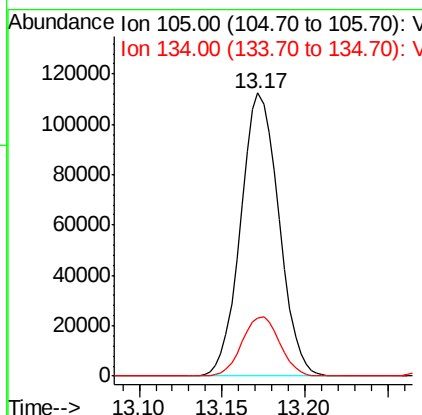
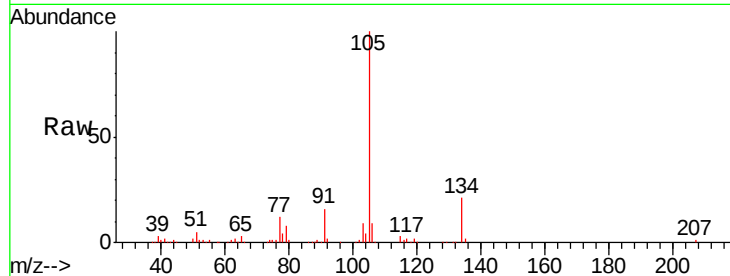
#85
 sec-Butylbenzene
 Concen: 5.70 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.8

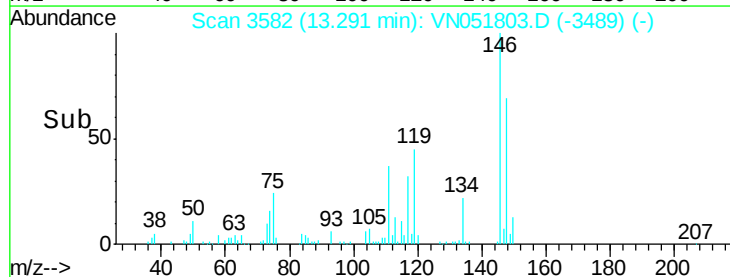
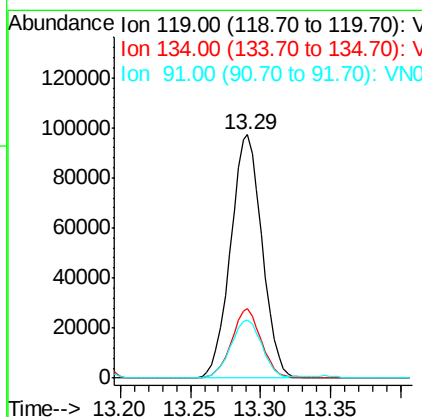
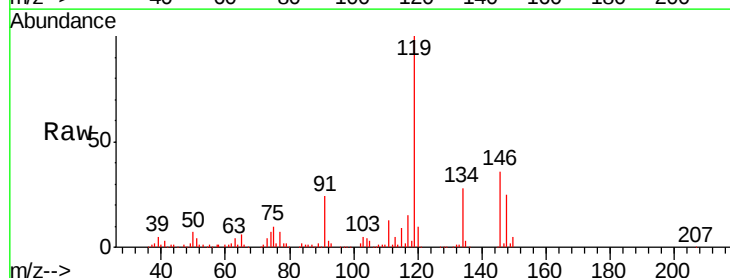
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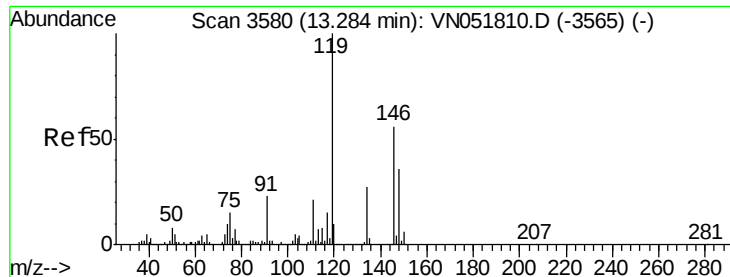
MMDadoda
 10/15/2018 3:00:19 PM



#86
 p-Isopropyltoluene
 Concen: 5.63 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.7	41.0
91	23.8	11.2	33.5





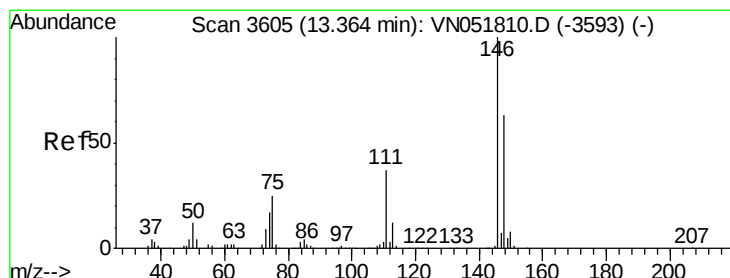
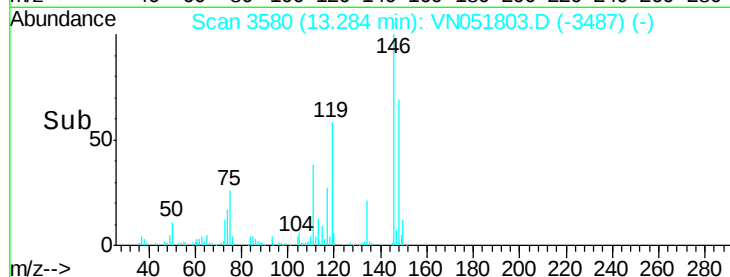
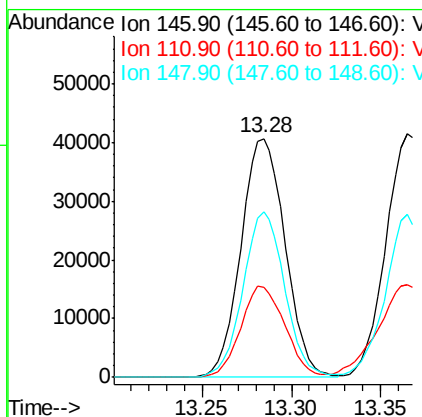
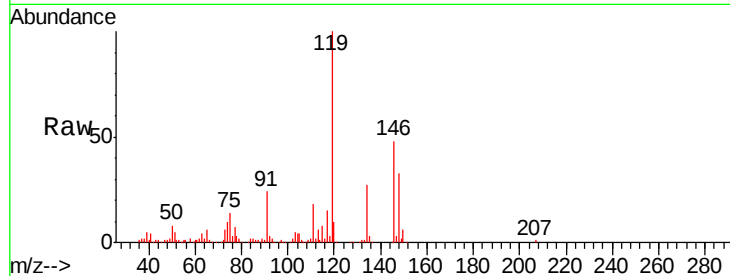
#87
 1,3-Dichlorobenzene
 Concen: 4.42 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.3
148	65.6	32.2	96.6

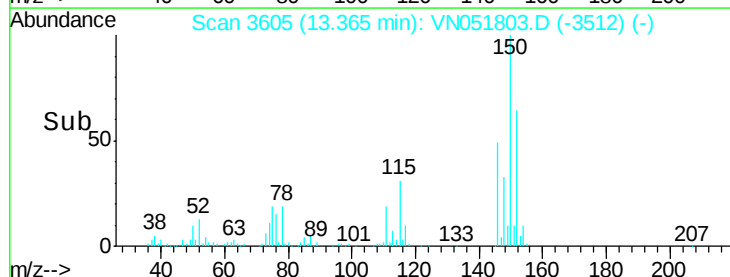
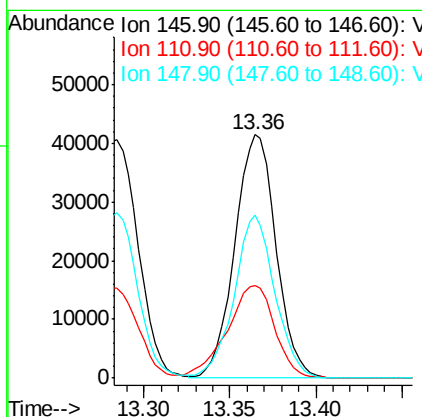
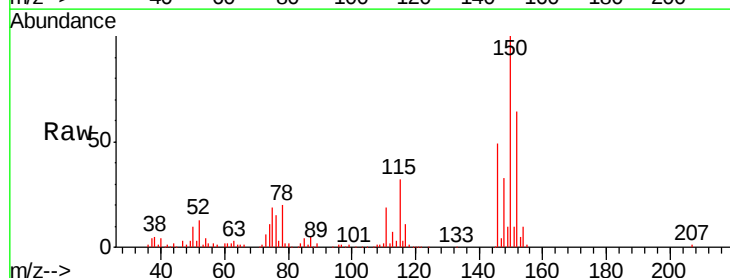
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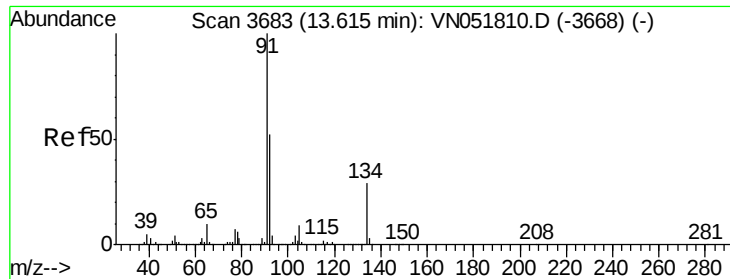
MMDadoda
 10/15/2018 3:00:19 PM



#88
 1,4-Dichlorobenzene
 Concen: 4.42 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	18.8	56.3
148	65.9	32.2	96.6





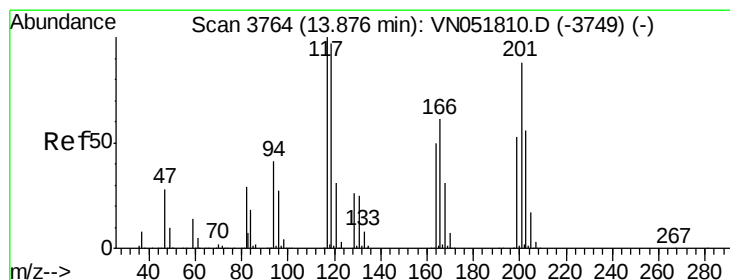
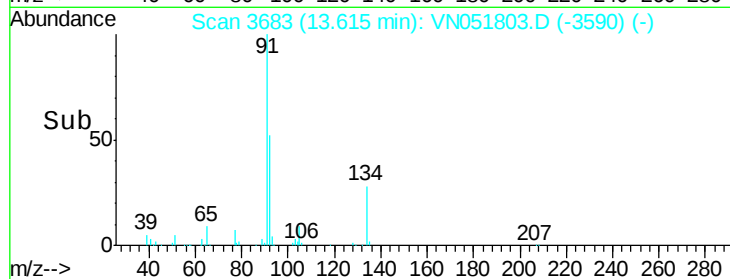
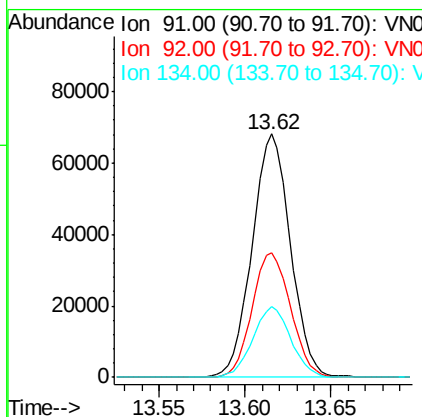
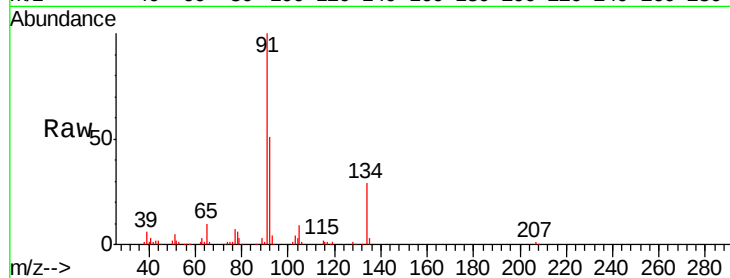
#89
n-Butylbenzene
Concen: 4.88 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.2
134	28.7	13.2	39.6

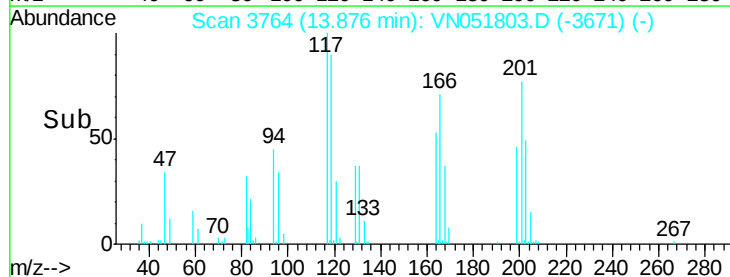
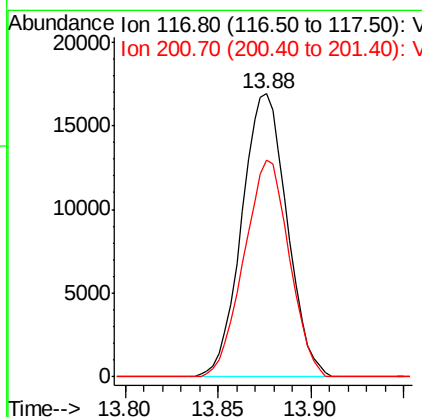
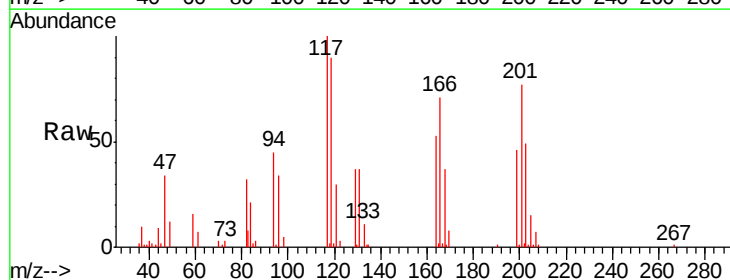
Manual Integrations
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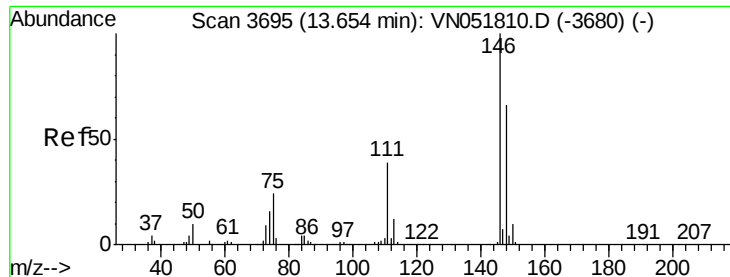
MMDadoda
10/15/2018 3:00:19 PM



#90
Hexachloroethane
Concen: 5.15 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.6	46.0	137.8





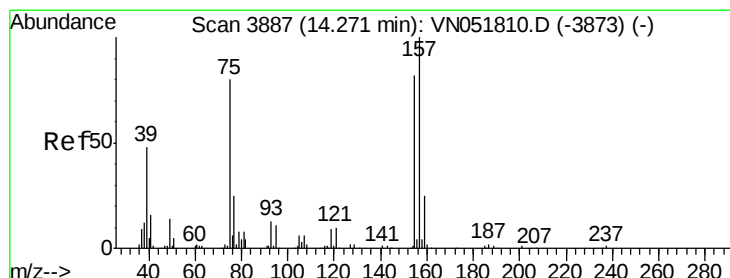
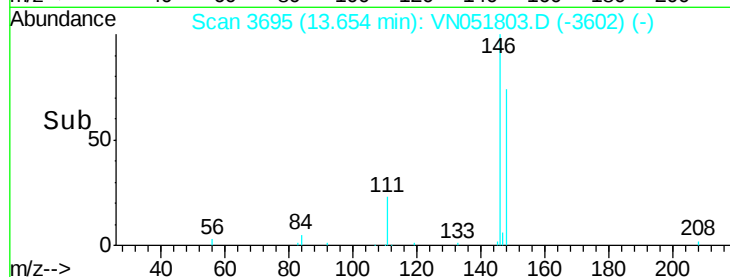
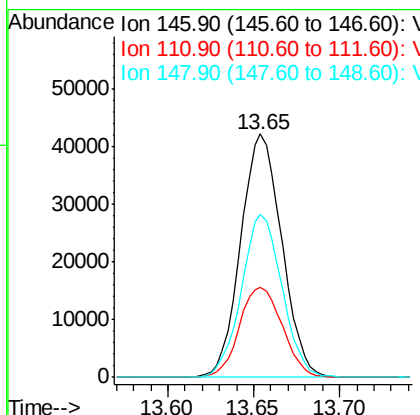
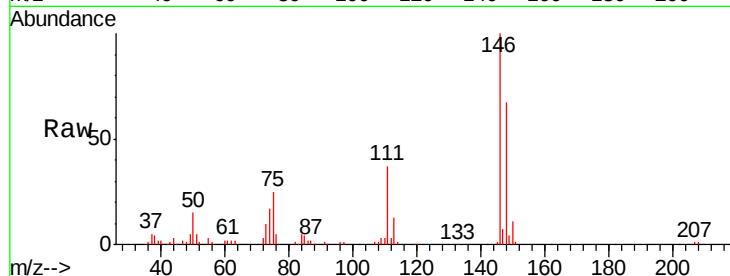
#91
 1,2-Dichlorobenzene
 Concen: 4.56 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.3
148	66.2	32.3	96.8

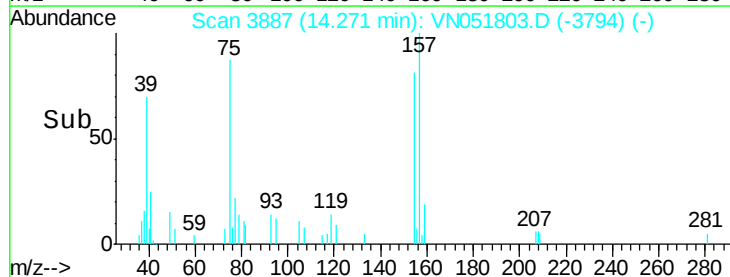
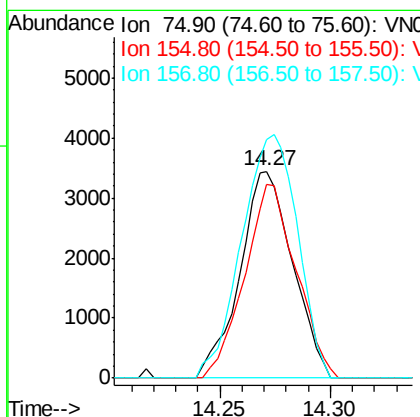
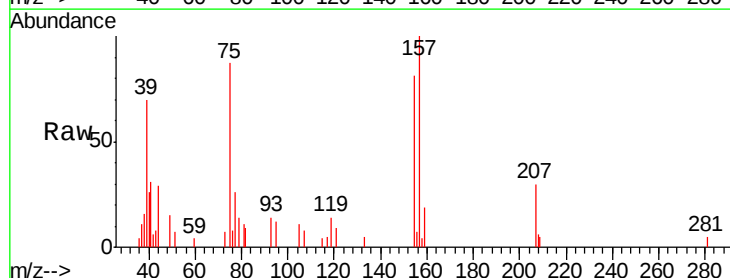
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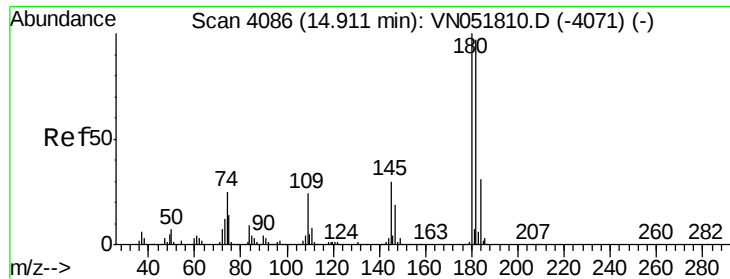
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.61 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	46.4	139.1
157	124.7	60.7	182.0





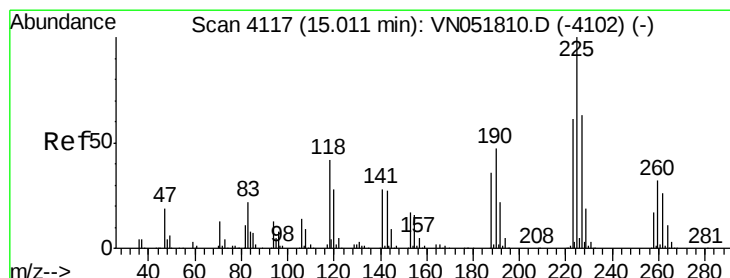
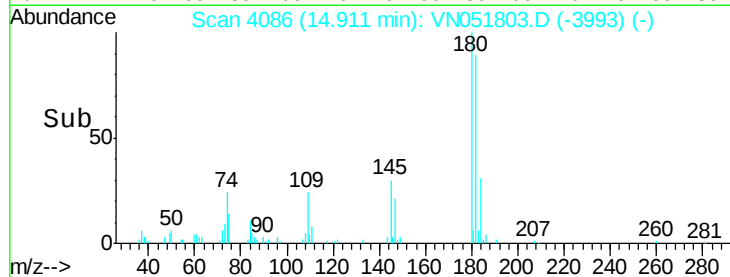
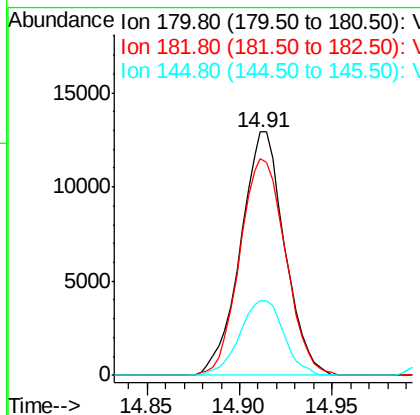
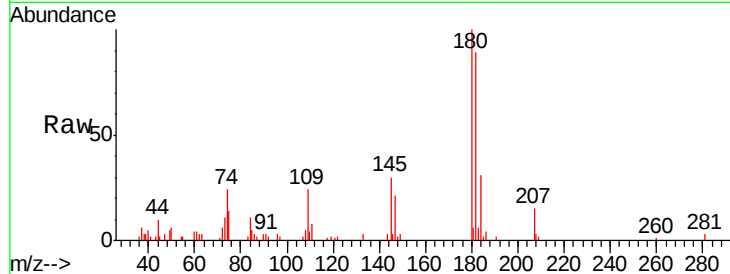
#93
 1,2,4-Trichlorobenzene
 Concen: 3.19 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	21317		
182	92.3	48.2	144.6	
145	30.6	14.1	42.2	

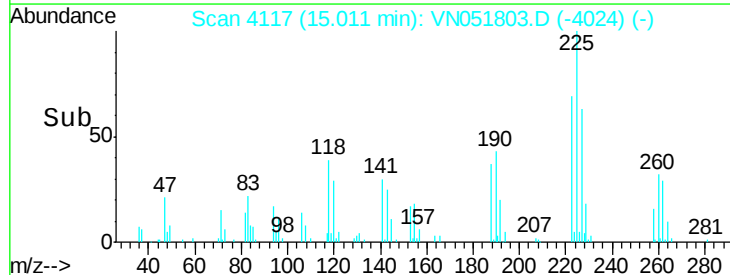
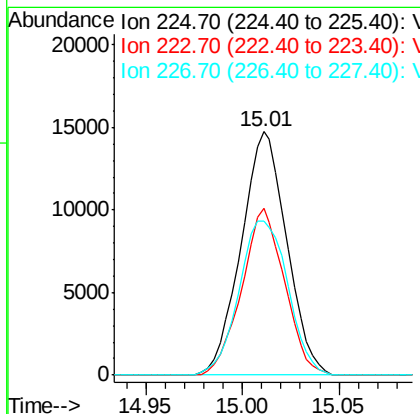
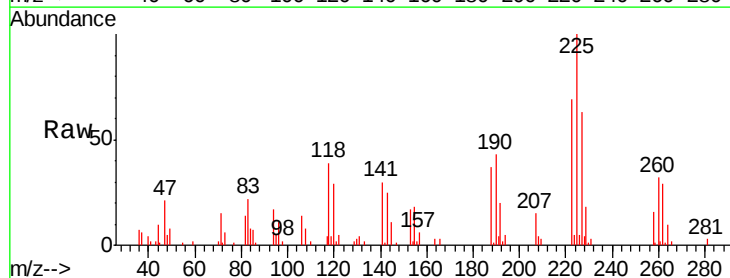
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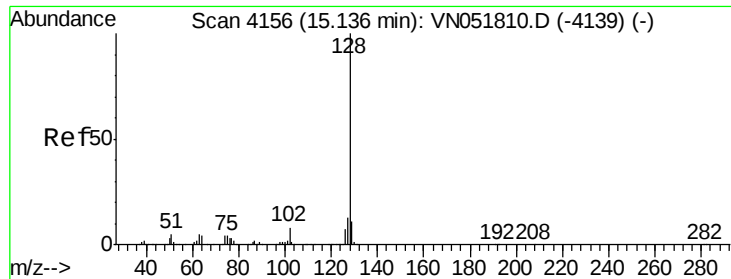
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 10/15/2018 3:00:19 PM



#94
 Hexachlorobutadiene
 Concen: 4.83 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051803.D
 Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24187		
223	64.2	31.3	93.8	
227	68.0	32.0	96.2	





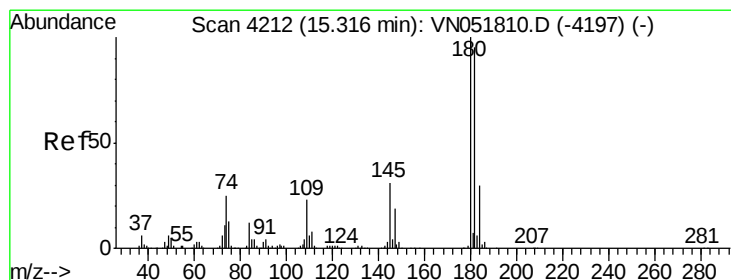
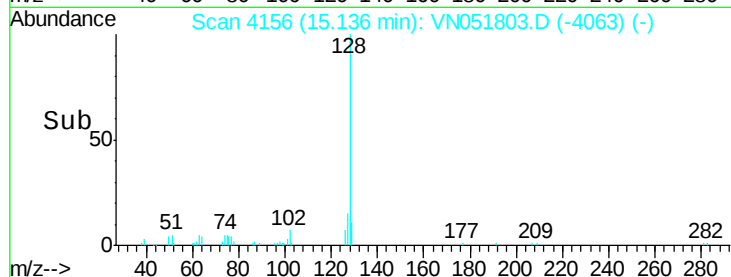
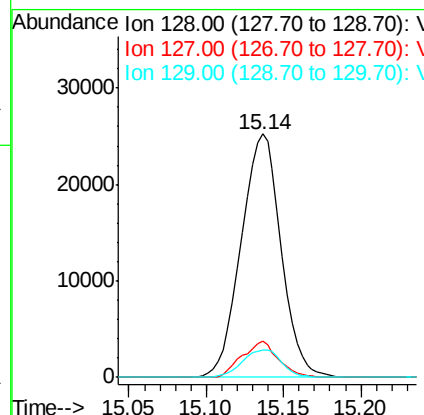
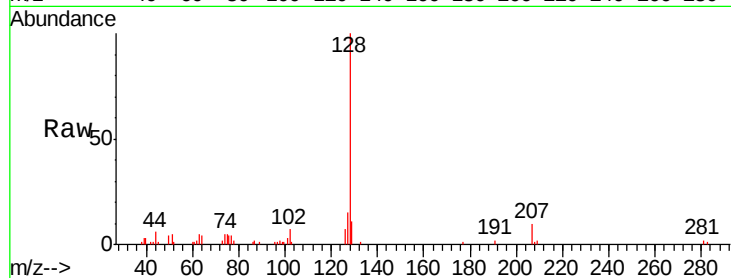
#95
Naphthalene
Concen: 3.42 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.2	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 3.63 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051803.D
Acq: 11 Oct 2018 8:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.9	48.0	144.2
145	29.4	15.2	45.6

