

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051264.D
 Acq On : 17 Sep 2018 10:22
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 4:57:47 PM

Quant Time: Sep 18 05:36:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	315736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	477562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	383626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	98722	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1500	0.48	ug/l	92
3) Chloromethane	2.06	50	3496	0.80	ug/l	99
4) Vinyl Chloride	2.18	62	2597	0.62	ug/l #	85
5) Bromomethane	2.57	94	3321	1.18	ug/l	96
6) Chloroethane	2.71	64	1733	0.67	ug/l	97
7) Trichlorofluoromethane	3.02	101	3065	0.55	ug/l #	71
8) Diethyl Ether	3.41	74	957m	0.47	ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1528m	0.43	ug/l	
12) 1,1-Dichloroethene	3.75	96	1488	0.44	ug/l #	71
14) Allyl chloride	4.32	41	2369	0.46	ug/l #	84
15) Acrylonitrile	5.01	53	2581m	2.19	ug/l	
16) Acetone	3.82	43	3818	3.94	ug/l	98
17) Carbon Disulfide	4.05	76	8190	0.74	ug/l	98
18) Methyl Acetate	4.34	43	5516	1.97	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	3492	0.40	ug/l	95
20) Methylene Chloride	4.55	84	2867m	0.74	ug/l	
21) trans-1,2-Dichloroethene	5.04	96	1572m	0.43	ug/l	
22) Diisopropyl ether	5.96	45	3954	0.39	ug/l #	80
23) Vinyl Acetate	5.90	43	10881	1.59	ug/l	97
24) 1,1-Dichloroethane	5.85	63	2913	0.45	ug/l #	83
25) 2-Butanone	6.85	43	2812m	2.08	ug/l	
26) 2,2-Dichloropropane	6.83	77	2622m	0.50	ug/l	
27) cis-1,2-Dichloroethene	6.83	96	1698	0.42	ug/l	92
29) Tetrahydrofuran	7.23	42	1469	1.74	ug/l #	41
30) Chloroform	7.37	83	3486	0.54	ug/l #	81
31) Cyclohexane	7.66	56	7177	1.10	ug/l #	7
32) 1,1,1-Trichloroethane	7.57	97	2484	0.45	ug/l #	38
36) 1,1-Dichloropropene	7.80	75	2275	0.43	ug/l #	78
37) Ethyl Acetate	6.94	43	982m	0.33	ug/l	
38) Carbon Tetrachloride	7.78	117	3007	0.57	ug/l	84
39) Methylcyclohexane	9.08	83	2534	0.44	ug/l #	86
40) Benzene	8.05	78	7285	0.46	ug/l #	90
41) Methacrylonitrile	7.18	41	354	0.22	ug/l #	25
42) 1,2-Dichloroethane	8.13	62	2237	0.48	ug/l #	72

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Isopropyl Acetate	8.17	43	1897	0.36	ug/l #	65
44) Trichloroethene	8.84	130	1881	0.43	ug/l	92
45) 1,2-Dichloropropane	9.12	63	2030	0.49	ug/l #	77
46) Dibromomethane	9.21	93	1096	0.44	ug/l #	87
47) Bromodichloromethane	9.41	83	2399	0.47	ug/l #	84
48) Methyl methacrylate	9.20	41	1083	0.42	ug/l #	73
51) 4-Methyl-2-Pentanone	9.99	43	5857	2.00	ug/l	88
52) Toluene	10.16	92	3426	0.35	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	1936	0.38	ug/l #	69
54) cis-1,3-Dichloropropene	9.84	75	2756	0.46	ug/l	94
55) 1,1,2-Trichloroethane	10.57	97	1573	0.45	ug/l #	92
56) Ethyl methacrylate	10.43	69	1131	0.27	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	2222	0.38	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	1010	0.59	ug/l #	45
59) 2-Hexanone	10.76	43	3666	1.86	ug/l	71
60) Dibromochloromethane	10.90	129	1876	0.47	ug/l	87
61) 1,2-Dibromoethane	11.01	107	1333	0.39	ug/l	99
64) Tetrachloroethene	10.63	164	1853	0.52	ug/l	90
65) Chlorobenzene	11.44	112	4134	0.42	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	1914	0.54	ug/l #	57
67) Ethyl Benzene	11.51	91	5438	0.34	ug/l	90
68) m/p-Xylenes	11.62	106	4113	0.68	ug/l	99
69) o-Xylene	11.95	106	1945	0.33	ug/l	97
70) Styrene	11.97	104	2545	0.28	ug/l #	83
71) Bromoform	12.13	173	901	0.36	ug/l #	92
73) Isopropylbenzene	12.25	105	4908	0.59	ug/l	98
74) N-amyl acetate	12.08	43	1192	0.58	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.50	83	1815	0.83	ug/l #	93
76) 1,2,3-Trichloropropane	12.55	75	1793	1.02	ug/l #	100
77) Bromobenzene	12.53	156	1472	0.66	ug/l	88
78) n-propylbenzene	12.59	91	4778	0.52	ug/l	95
79) 2-Chlorotoluene	12.68	91	3406	0.60	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	3142	0.47	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	1084	2.11	ug/l #	15
82) 4-Chlorotoluene	12.78	91	2764	0.49	ug/l	88
83) tert-Butylbenzene	12.99	119	3462	0.58	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	3145	0.48	ug/l	88
85) sec-Butylbenzene	13.17	105	3841	0.50	ug/l	93
86) p-Isopropyltoluene	13.29	119	2326	0.36	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	2004	0.53	ug/l	89
88) 1,4-Dichlorobenzene	13.28	146	2004	0.54	ug/l	89
89) n-Butylbenzene	13.61	91	1545	0.31	ug/l	85
90) Hexachloroethane	13.88	117	1152	0.87	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	2174	0.59	ug/l	90
93) 1,2,4-Trichlorobenzene	14.91	180	789	0.51	ug/l #	86
94) Hexachlorobutadiene	15.01	225	988	0.76	ug/l	87
95) Naphthalene	15.13	128	1822	0.56	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.32	180	1024	0.63	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

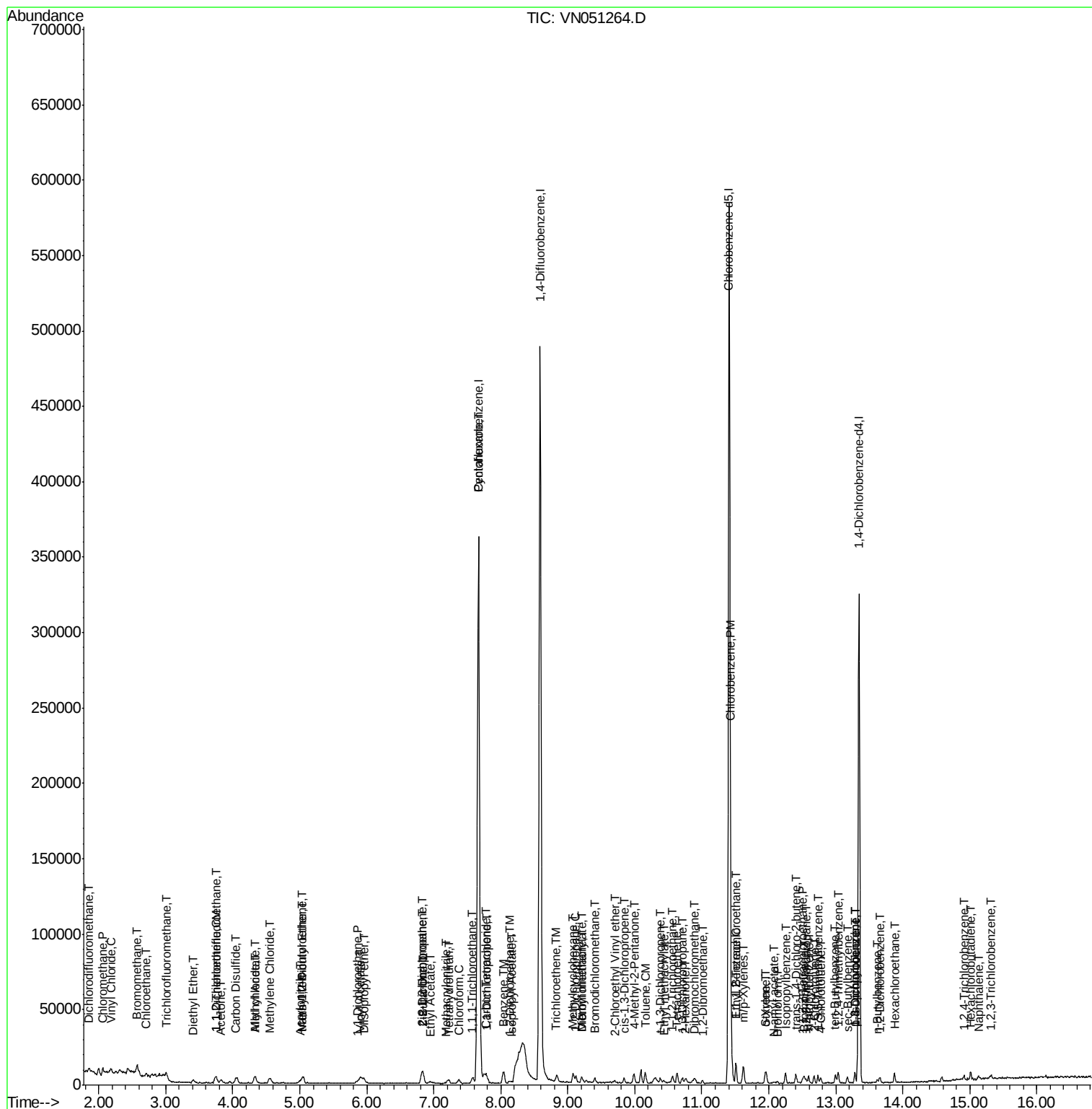
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Data File : VN051264.D
Acq On : 17 Sep 2018 10:22
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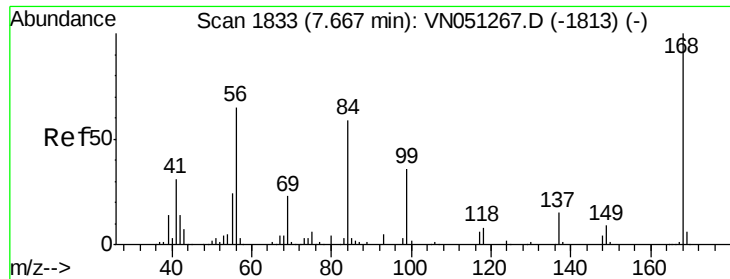
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 315736

Ion Ratio Lower Upper

168 100

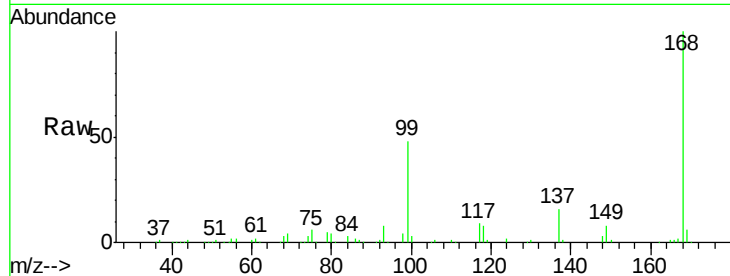
99 48.4 38.2 57.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

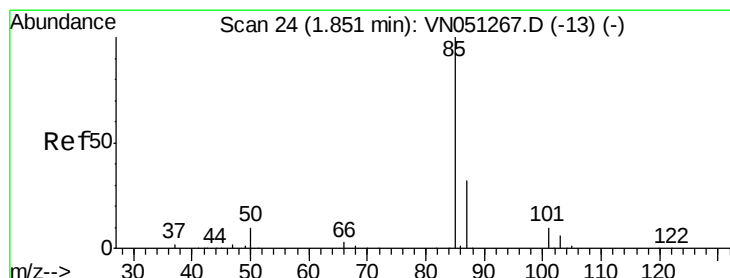
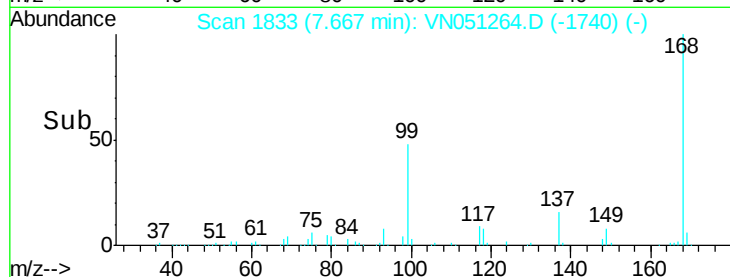
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.48 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051264.D

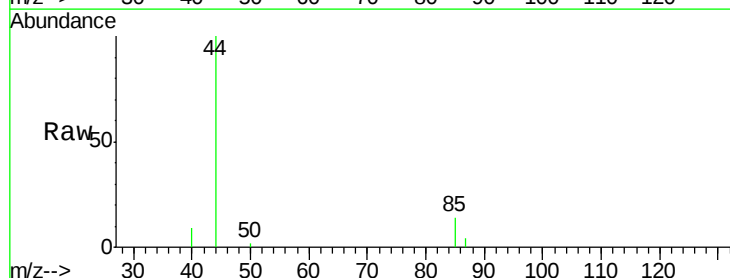
Acq: 17 Sep 2018 10:22

Tgt Ion: 85 Resp: 1500

Ion Ratio Lower Upper

85 100

87 27.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

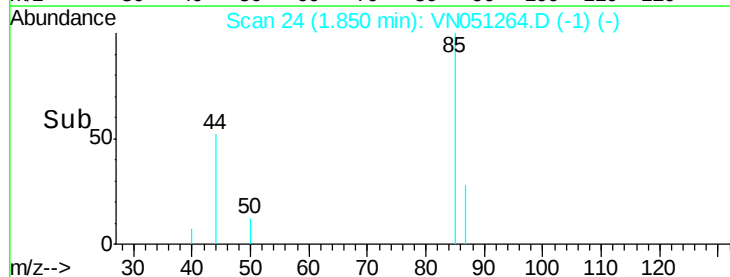
1000

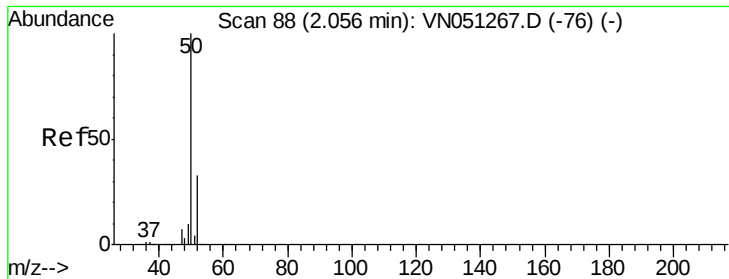
500

0

1.82 1.84 1.86 1.88

Time-->





#3

Chloromethane

Concen: 0.80 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 3496

Ion Ratio Lower Upper

50 100

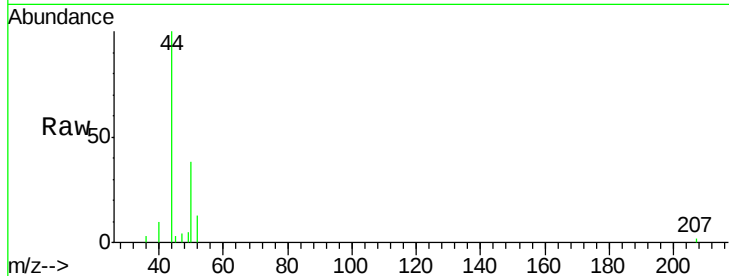
52 33.0 26.6 40.0

Manual Integrations

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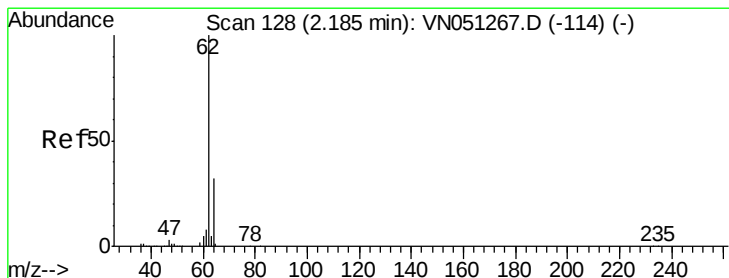
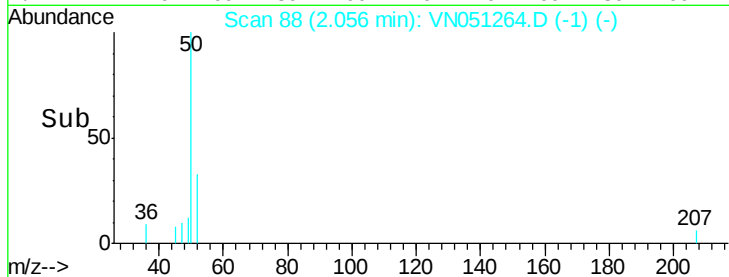
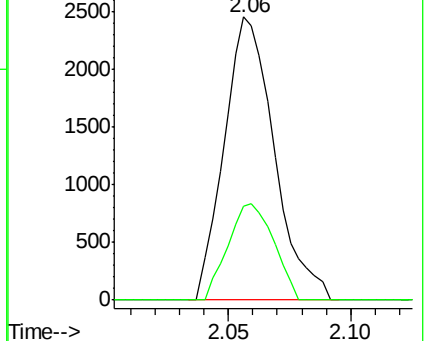
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 0.62 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051264.D

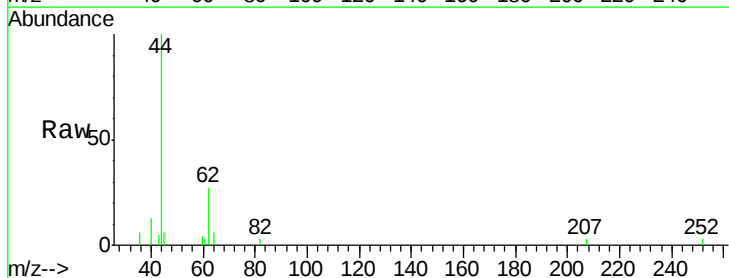
Acq: 17 Sep 2018 10:22

Tgt Ion: 62 Resp: 2597

Ion Ratio Lower Upper

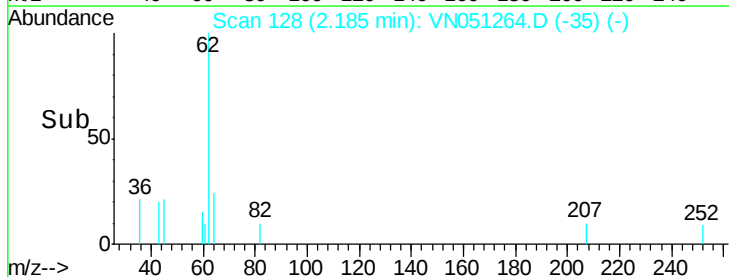
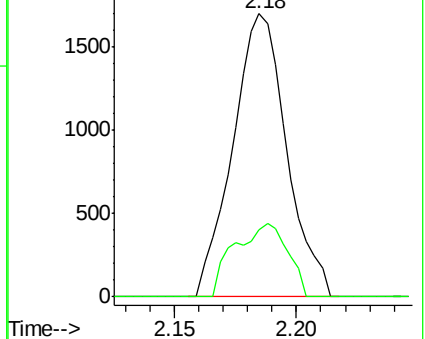
62 100

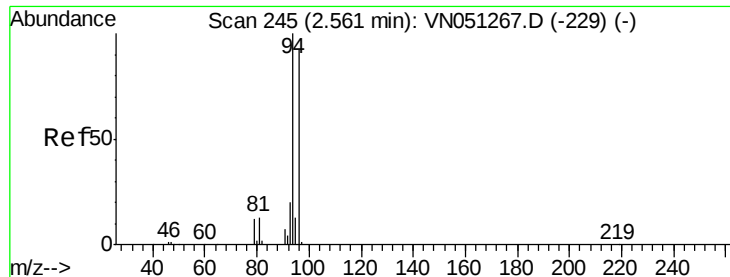
64 23.6 25.8 38.6#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 1.18 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 3321

Ion Ratio Lower Upper

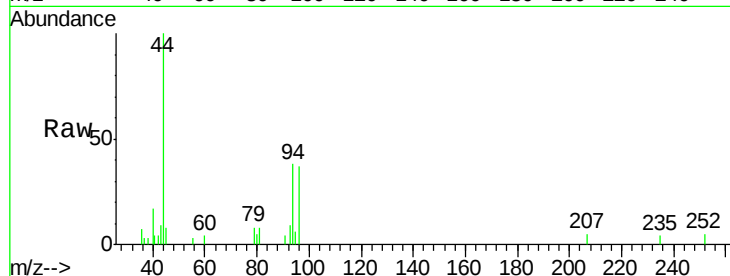
94 100

96 96.2 73.8 110.8

Manual Integrations
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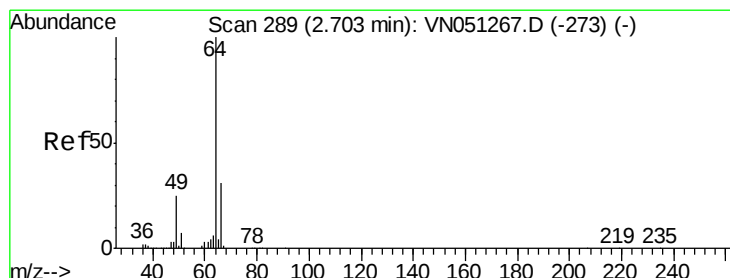
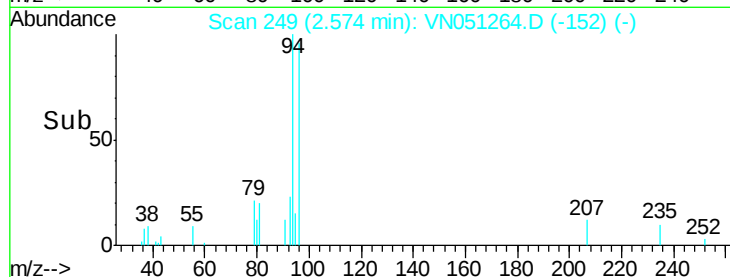
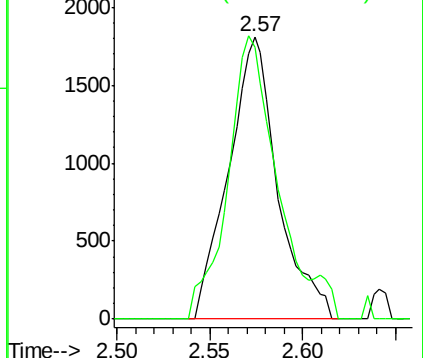
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Abundance Ion 93.90 (93.60 to 94.60): VN051267.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051267.D (-229) (-)



#6

Chloroethane

Concen: 0.67 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051264.D

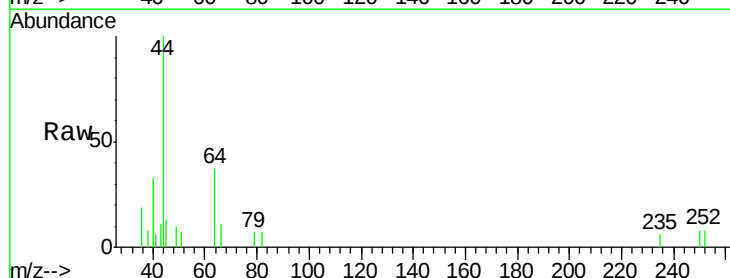
Acq: 17 Sep 2018 10:22

Tgt Ion: 64 Resp: 1733

Ion Ratio Lower Upper

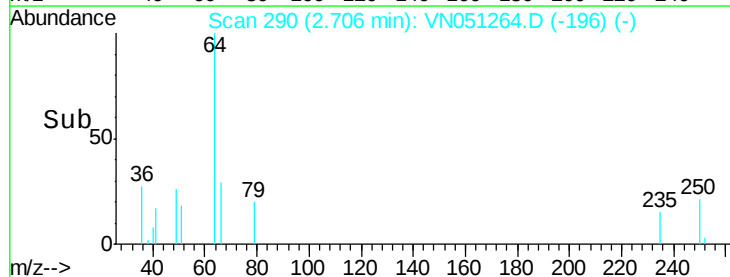
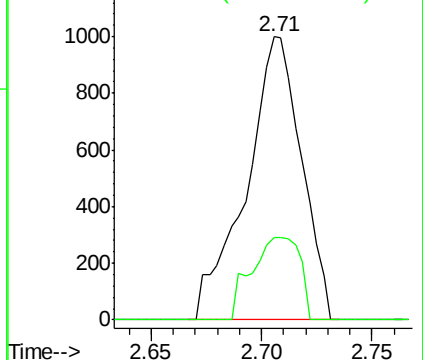
64 100

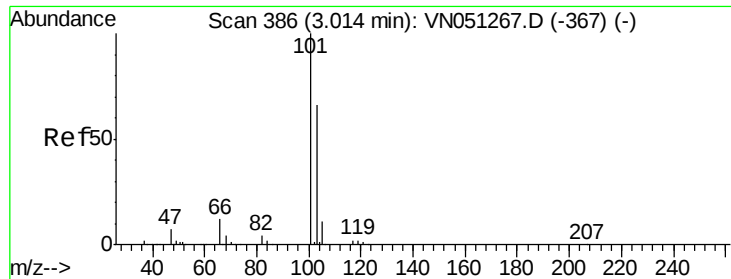
66 29.3 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VN051267.D (-273) (-)

Ion 65.90 (65.60 to 66.60): VN051267.D (-273) (-)





#7

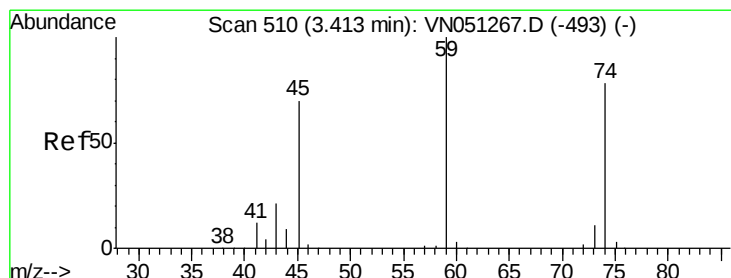
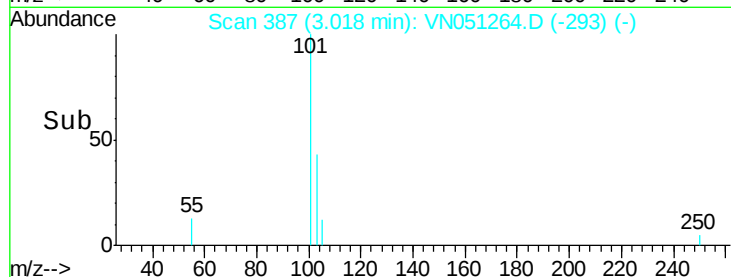
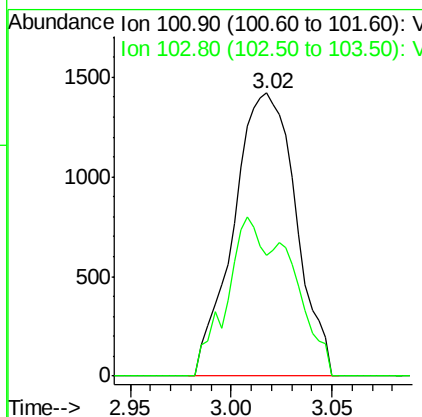
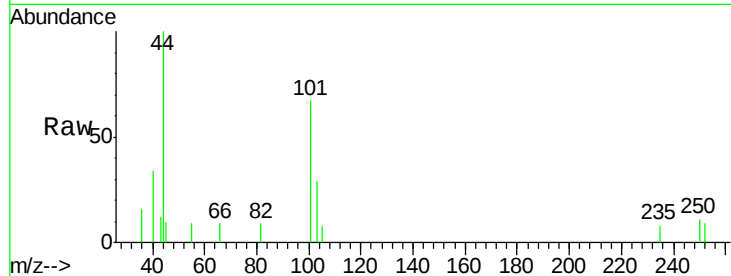
Trichlorofluoromethane
 Concen: 0.55 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:101 Resp: 3065
 Ion Ratio Lower Upper
 101 100
 103 42.7 52.7 79.1#

Manual Integrations
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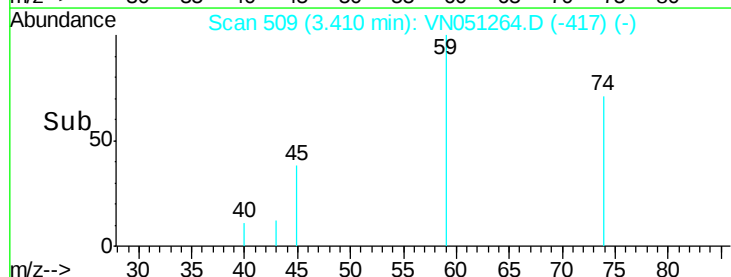
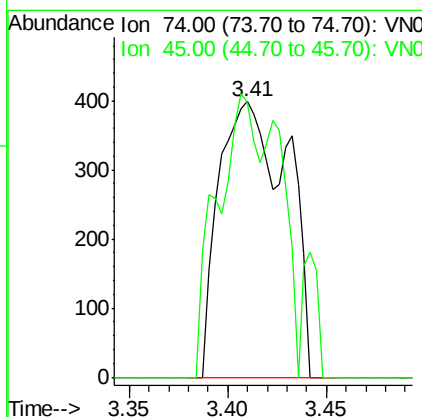
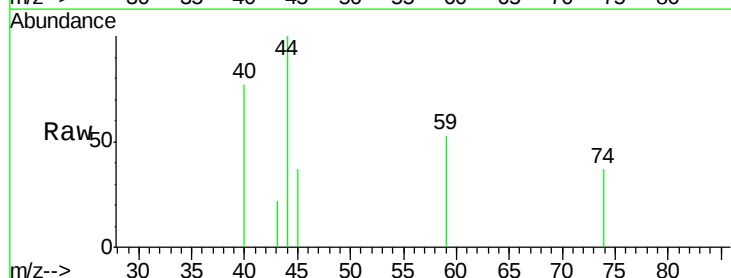
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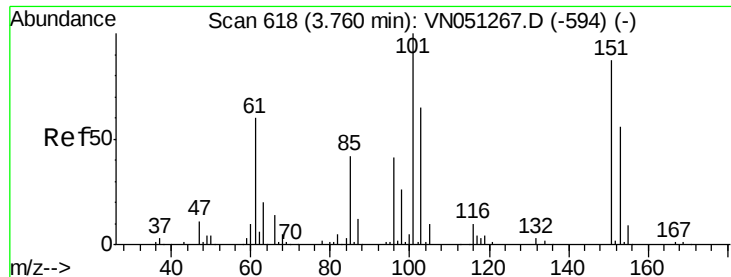


#8

Diethyl Ether
 Concen: 0.47 ug/l m
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Tgt Ion: 74 Resp: 957
 Ion Ratio Lower Upper
 74 100
 45 61.4 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.43 ug/l m

RT: 3.75 min Scan# 616

Delta R.T. -0.01 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

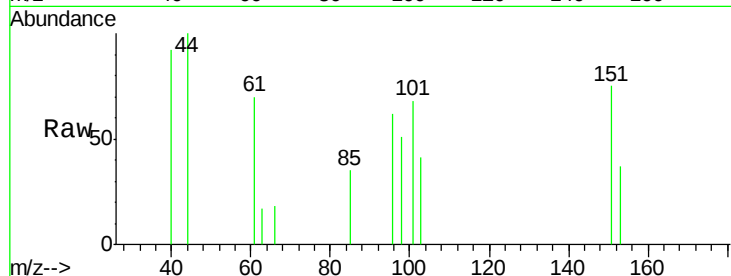
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
85	21.9	33.0	49.6#
151	94.8	69.8	104.8

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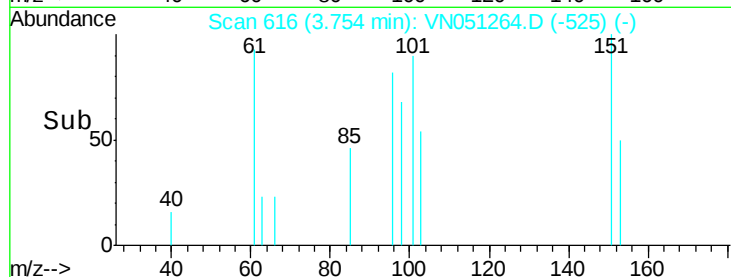


Abundance Ion 100.90 (100.60 to 101.60): V

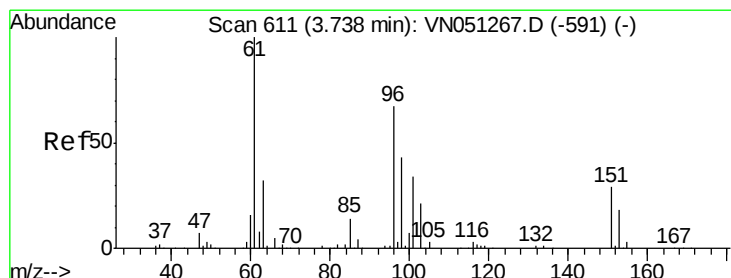
Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V

Time-->



Time-->



#12

1,1-Dichloroethene

Concen: 0.44 ug/l

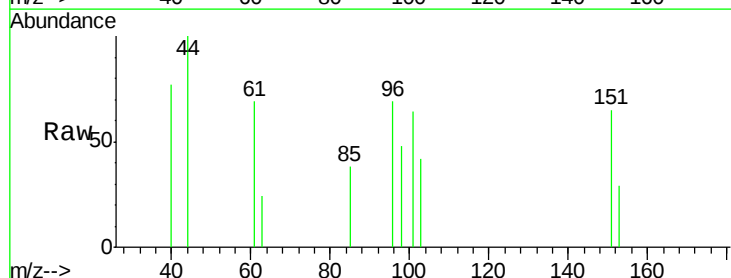
RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	100.2	119.3	178.9#
98	69.7	51.8	77.6

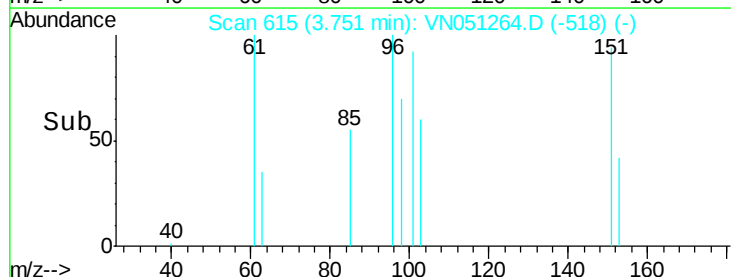


Abundance Ion 95.90 (95.60 to 96.60): VNO

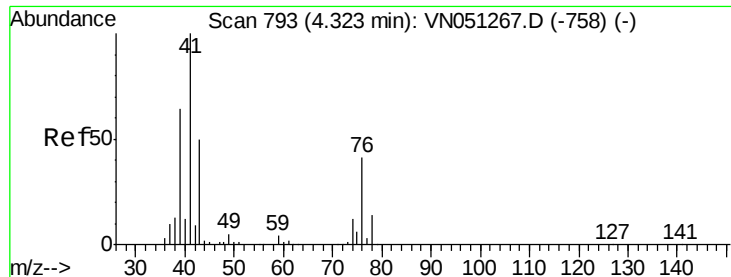
Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Time-->



Time-->



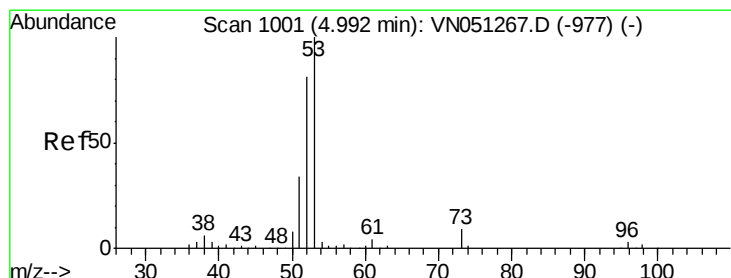
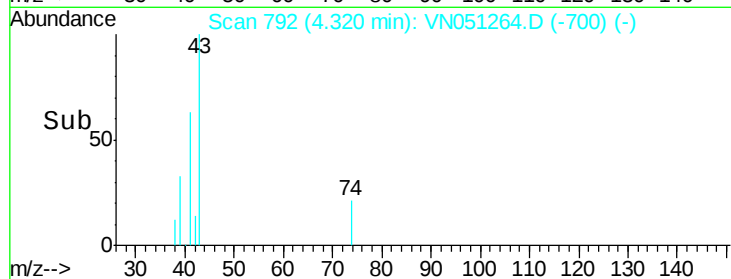
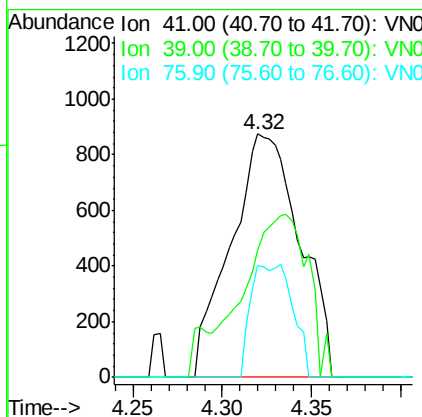
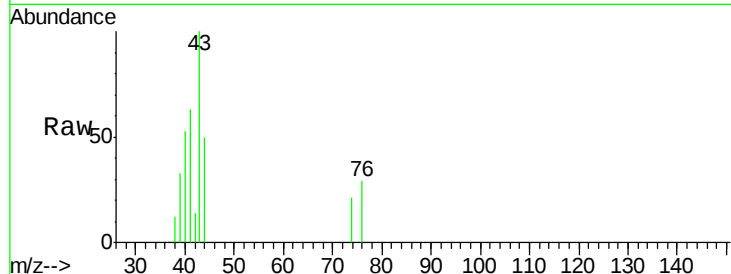
#14
Allvl chloride
Concen: 0.46 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.9	49.0	73.4
76	13.8	31.4	47.0#

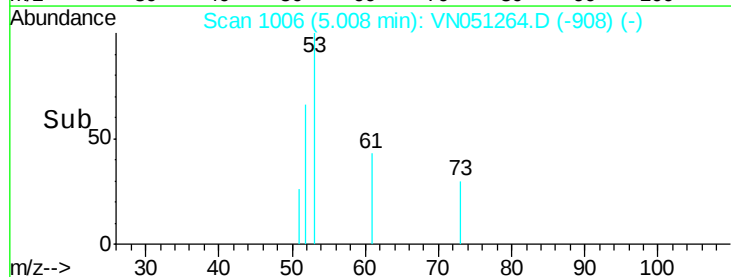
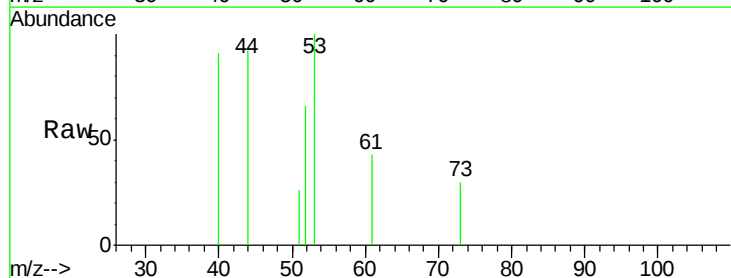
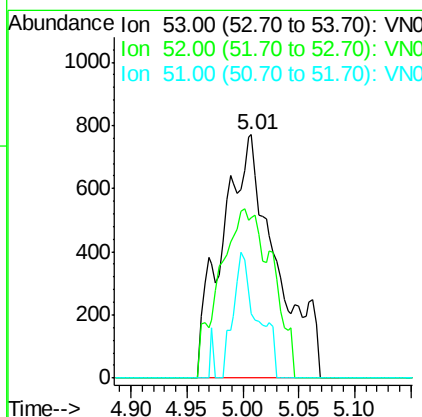
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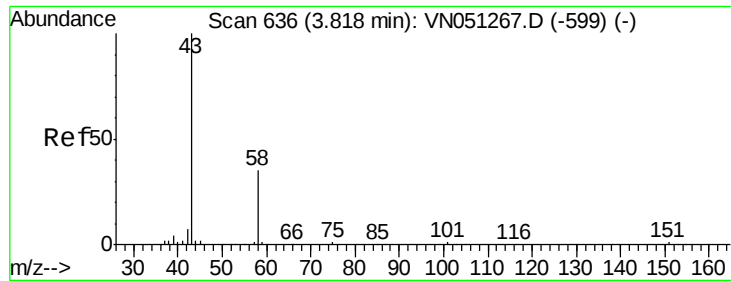
MMDadoda
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#15
Acrylonitrile
Concen: 2.19 ug/l m
RT: 5.01 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
53	100		
52	0.0	65.0	97.6#
51	0.0	28.0	42.0#





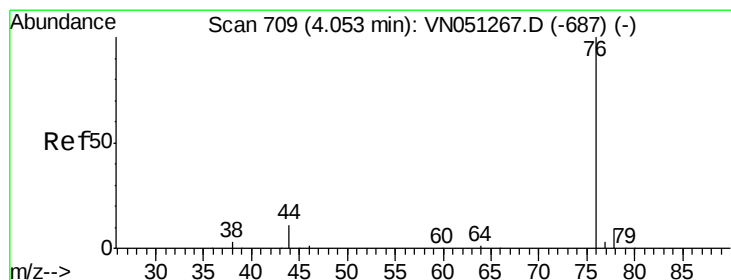
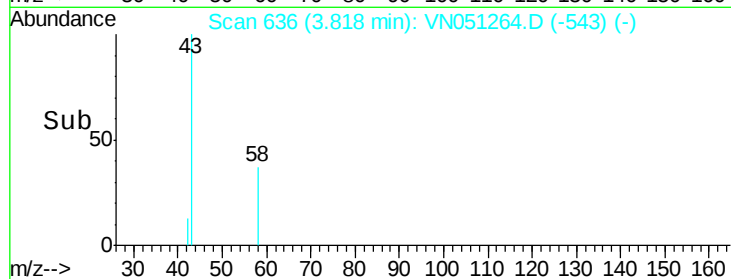
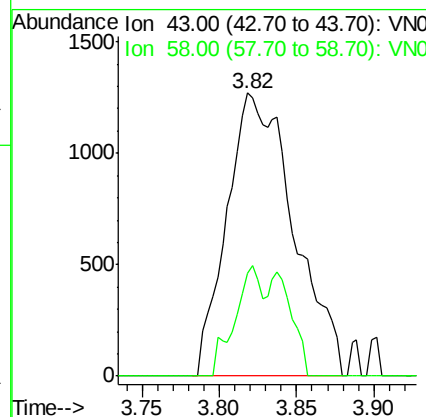
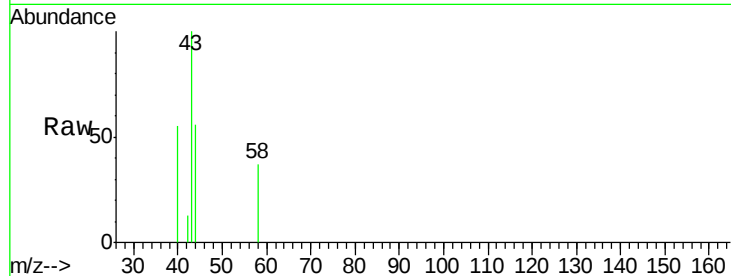
#16
Acetone
Concen: 3.94 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	3818
Ion Ratio	100	Lower	Upper
43	100		
58	36.5	28.2	42.2

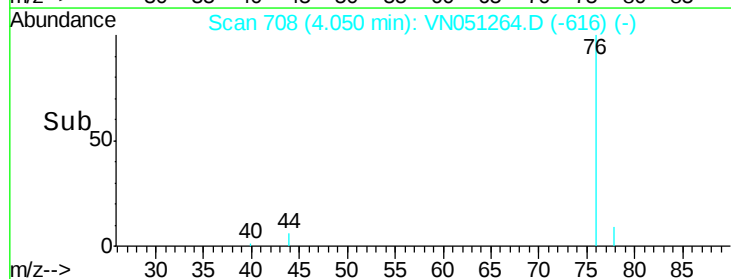
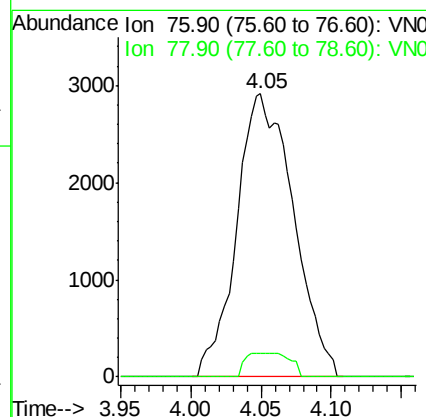
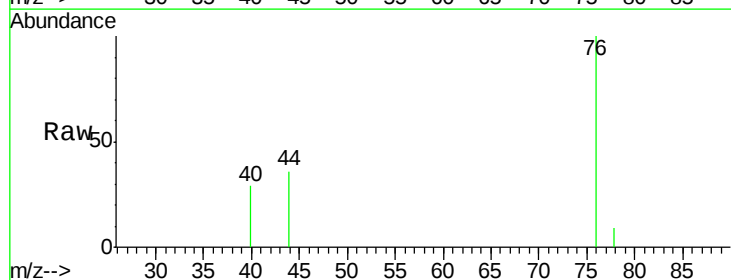
Manual Integrations
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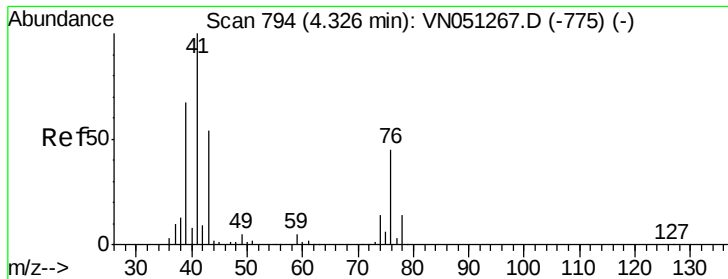
MMDadoda
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#17
Carbon Disulfide
Concen: 0.74 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Tgt Ion	76	Resp	8190
Ion Ratio	100	Lower	Upper
76	100		
78	8.5	7.4	11.0





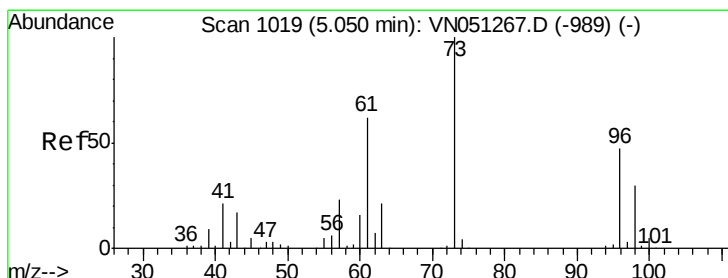
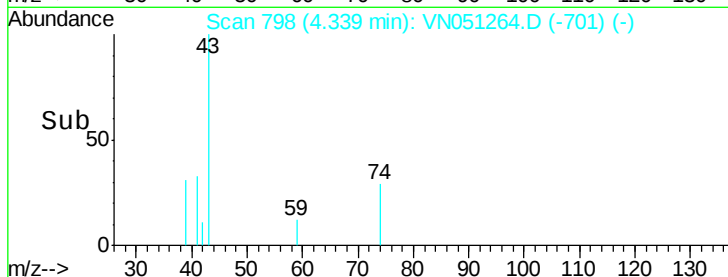
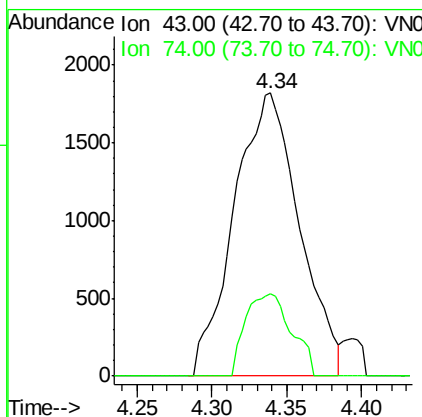
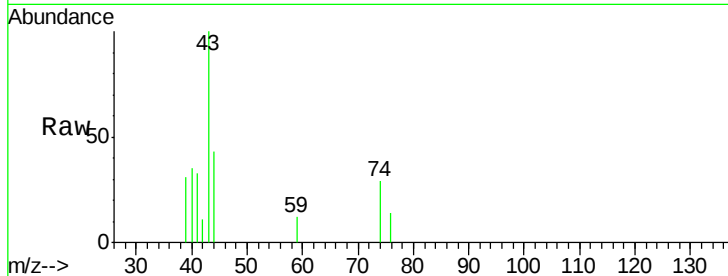
#18
Methyl Acetate
Concen: 1.97 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 5516
Ion Ratio Lower Upper
43 100
74 20.5 20.8 31.2#

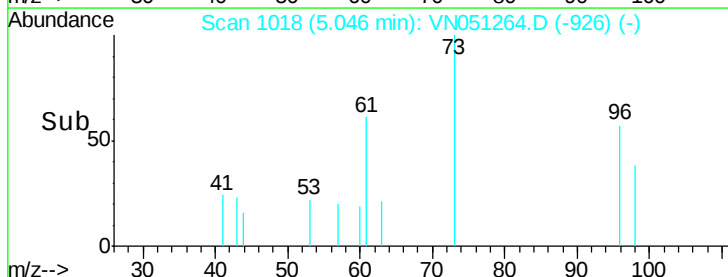
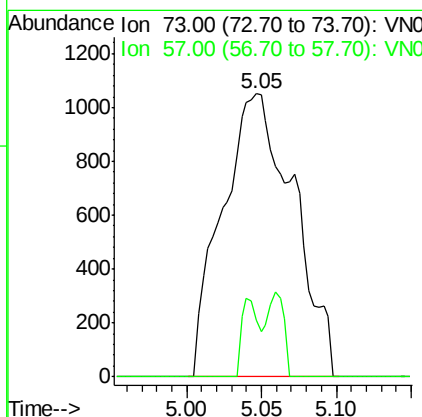
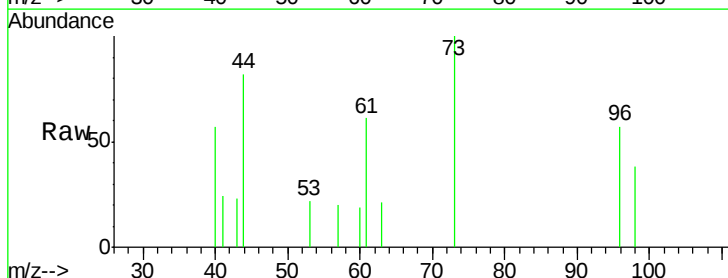
Manual Integrations
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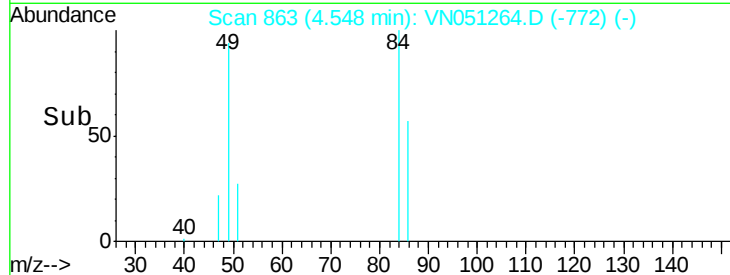
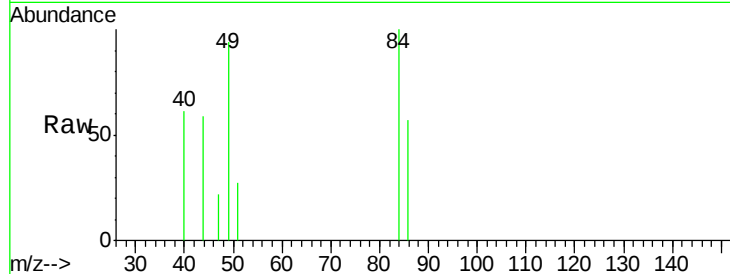
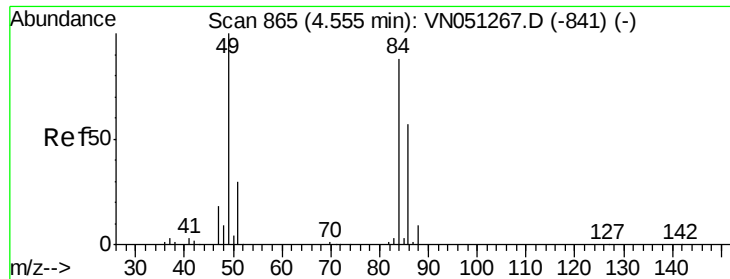
MMDadoda
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#19
Methyl tert-butyl Ether
Concen: 0.40 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Tgt Ion: 73 Resp: 3492
Ion Ratio Lower Upper
73 100
57 20.1 18.1 27.1





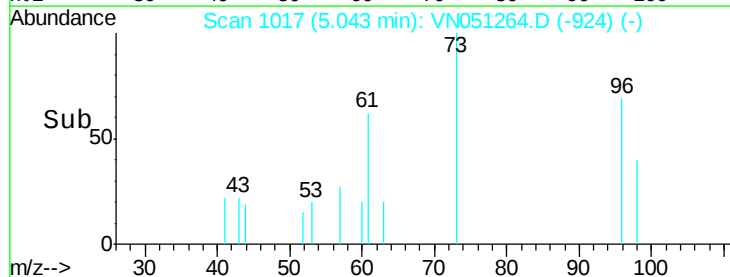
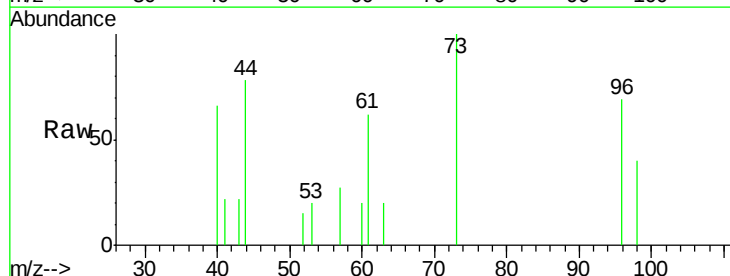
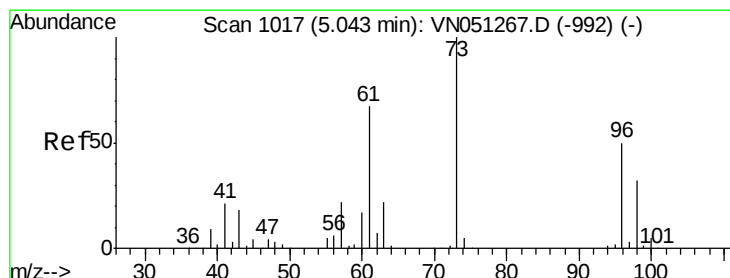
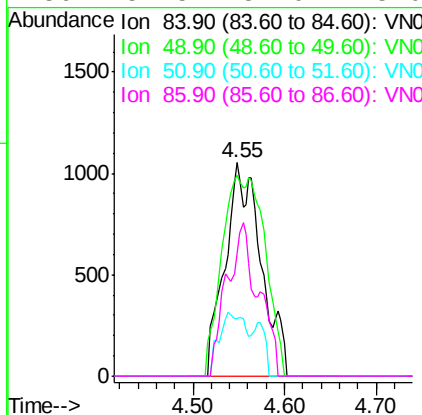
#20
Methvlene Chloride
Concen: 0.74 ug/l m
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Tot Ion: 84 Resp: 2867
Ion Ratio Lower Upper
84 100
49 93.9 91.2 136.8
51 26.8 27.7 41.5#
86 57.5 52.0 78.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

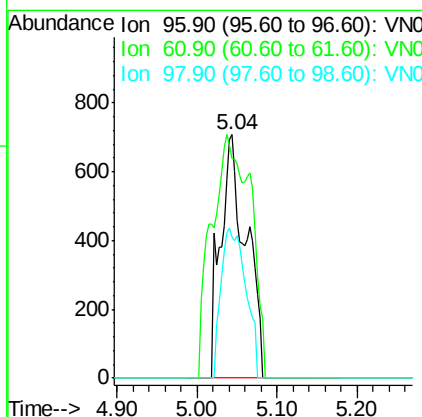
Manual Integrations
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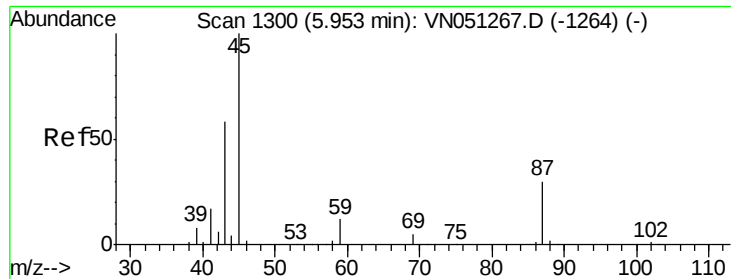
MMDadoda
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#21
trans-1,2-Dichloroethene
Concen: 0.43 ug/l m
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Tgt Ion: 96 Resp: 1572
Ion Ratio Lower Upper
96 100
61 90.1 106.7 160.1#
98 58.1 51.4 77.0





#22

Diisopropyl ether

Concen: 0.39 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

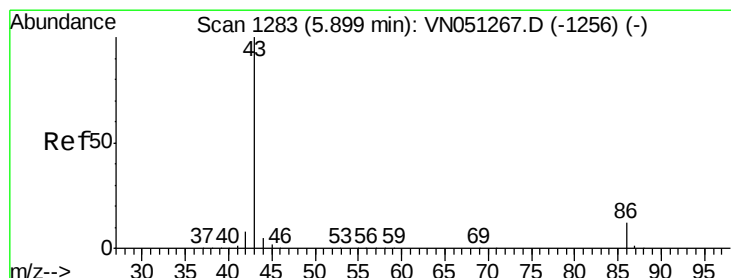
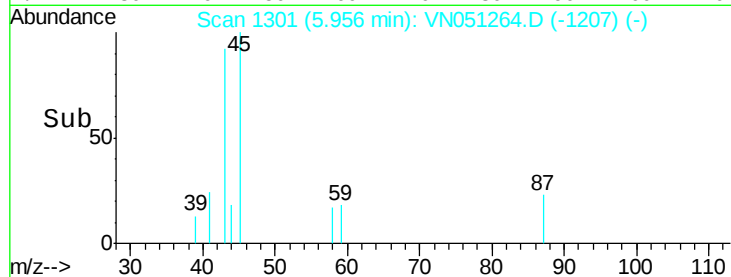
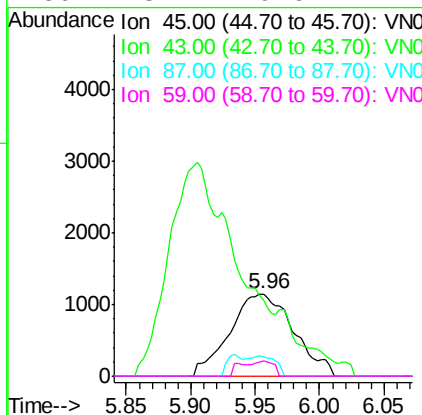
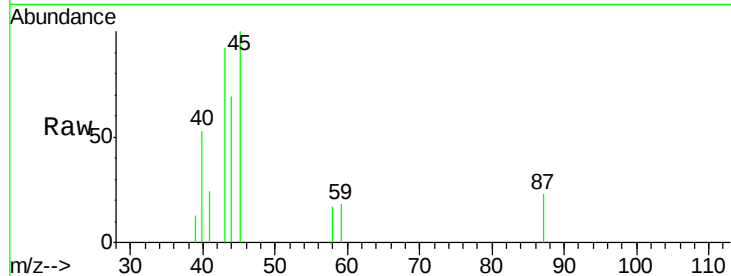
ClientSampleId :

VSTDIC001

Tot Ion	45	Resp:	3954
Ion	Ratio	Lower	Upper
45	100		
43	76.9	46.7	70.1#
87	23.4	24.6	36.8#
59	18.4	9.6	14.4#

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#23

Vinyl Acetate

Concen: 1.59 ug/l

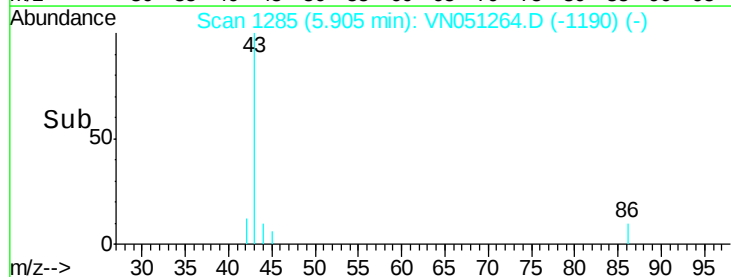
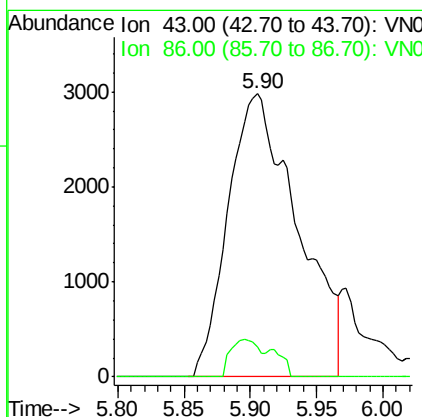
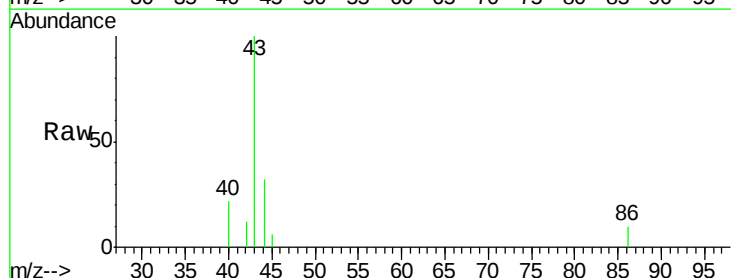
RT: 5.90 min Scan# 1285

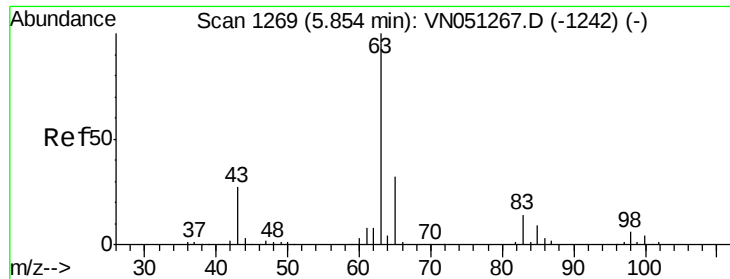
Delta R.T. 0.01 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Tgt Ion	43	Resp:	10881
Ion	Ratio	Lower	Upper
43	100		
86	10.4	9.3	13.9





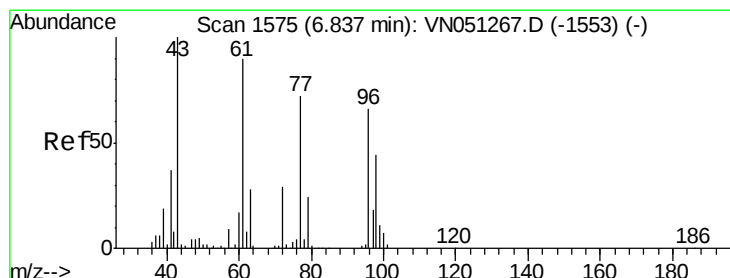
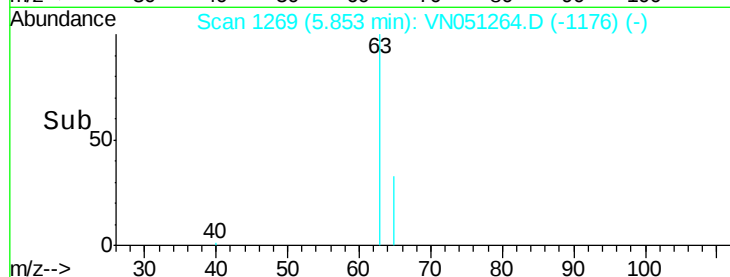
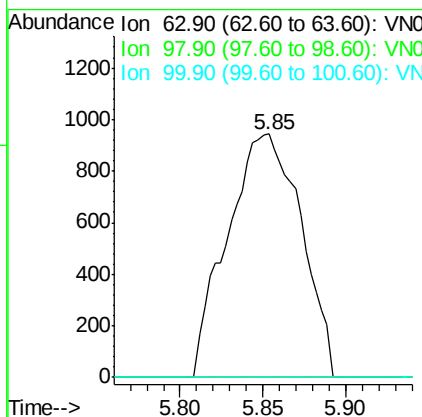
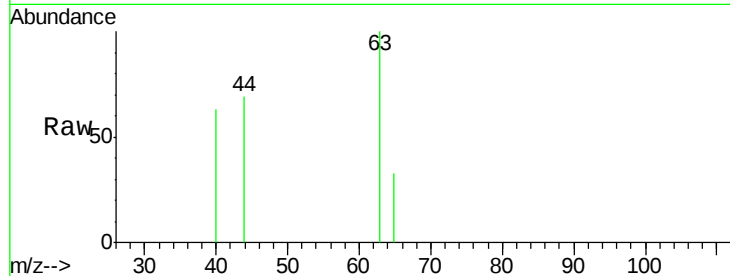
#24
 1,1-Dichloroethane
 Concen: 0.45 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.3	6.8#

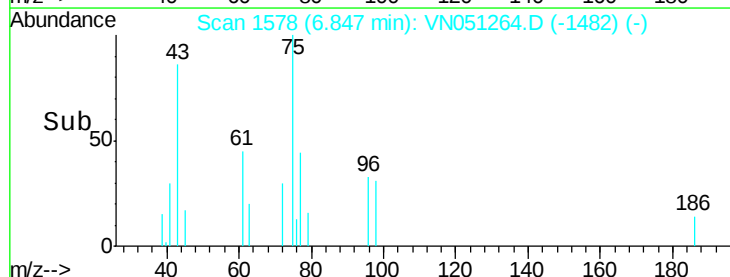
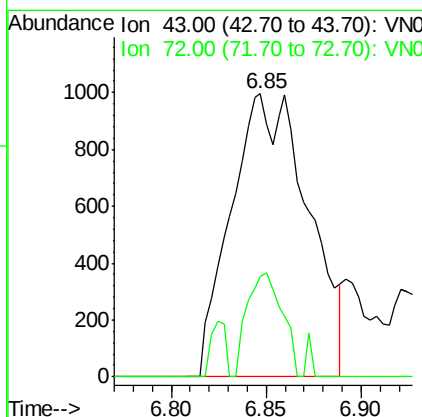
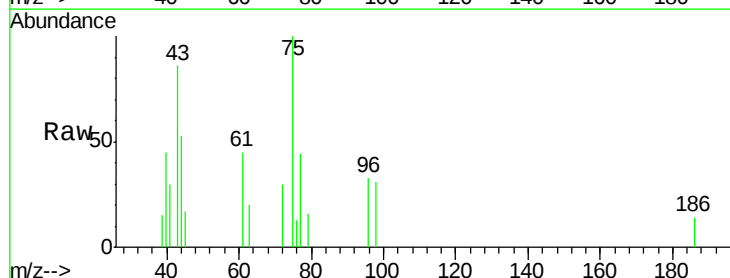
Manual Integrations
 APPROVED

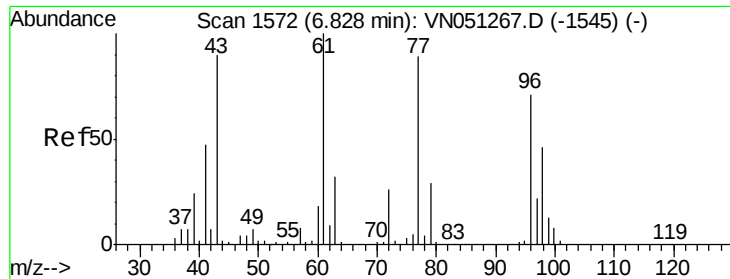
MMDadoda
 9/19/2018 4:57:47 PM



#25
 2-Butanone
 Concen: 2.08 ug/l m
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
43	100		
72	35.4	23.4	35.0#





#26

2,2-Dichloropropane

Concen: 0.50 ug/l m

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 77 Resp: 2622

Ion Ratio Lower Upper

77 100

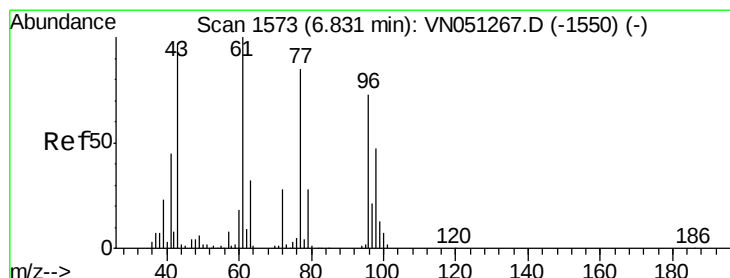
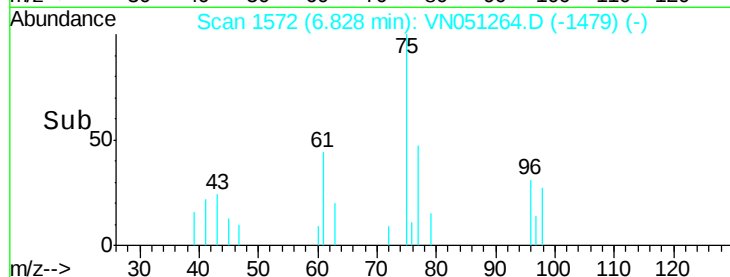
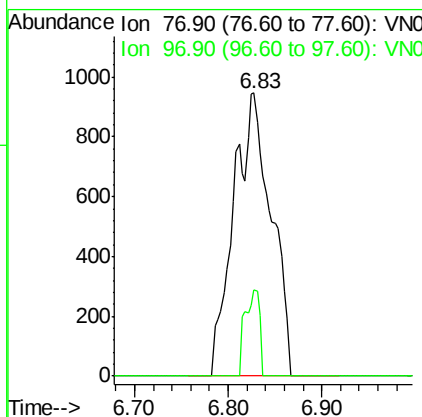
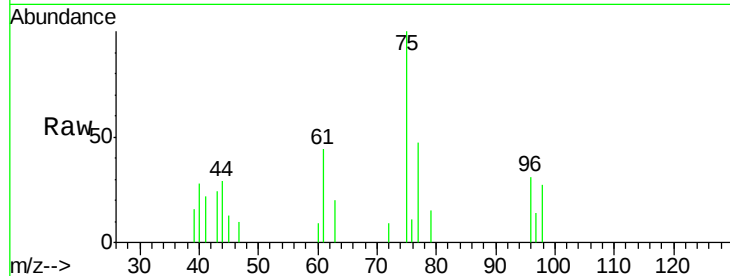
97 12.1 12.2 36.4#

Manual Integrations

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9/19/2018 4:57:47 PM



#27

cis-1,2-Dichloroethene

Concen: 0.42 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

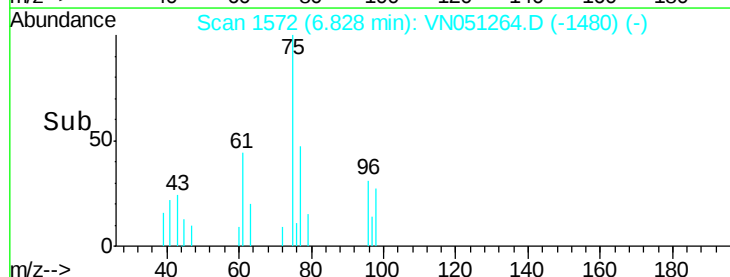
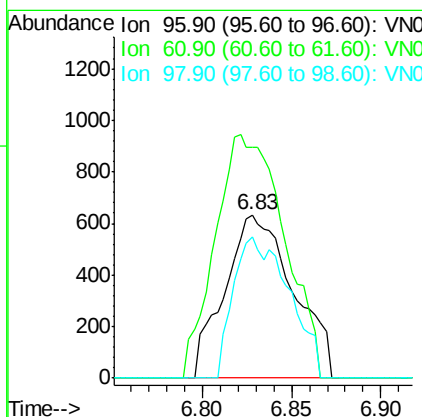
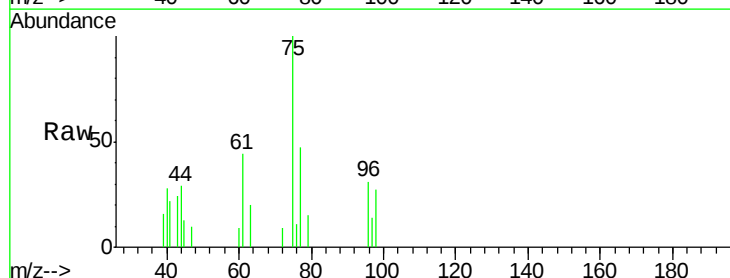
Tgt Ion: 96 Resp: 1698

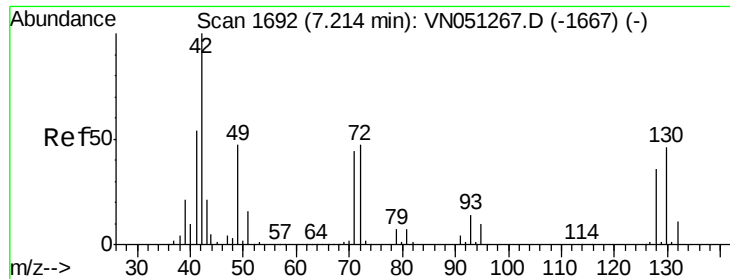
Ion Ratio Lower Upper

96 100

61 149.4 0.0 276.2

98 69.8 0.0 129.2





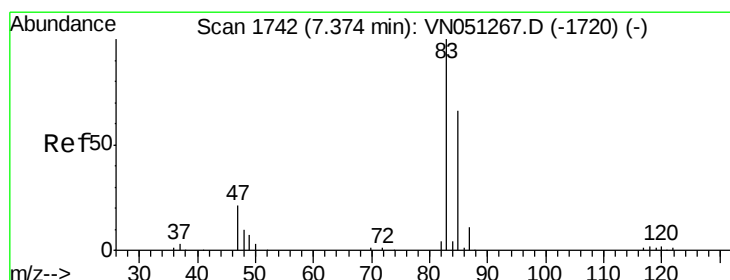
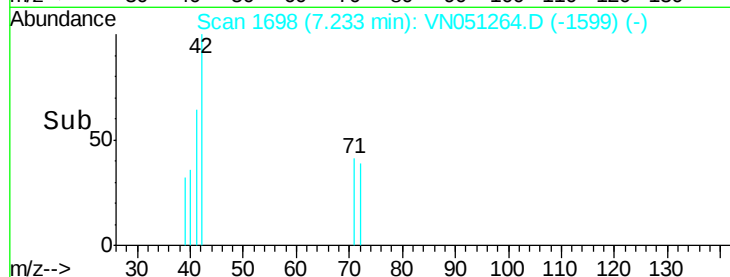
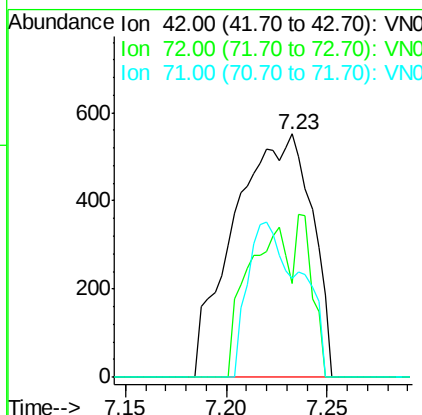
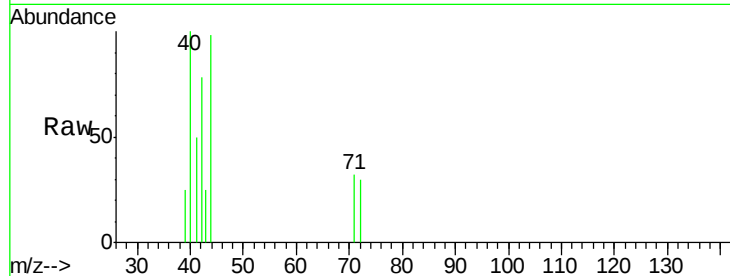
#29
Tetrahydrofuran
Concen: 1.74 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.02 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	14.0	37.6	56.4#
71	0.0	35.4	53.2#

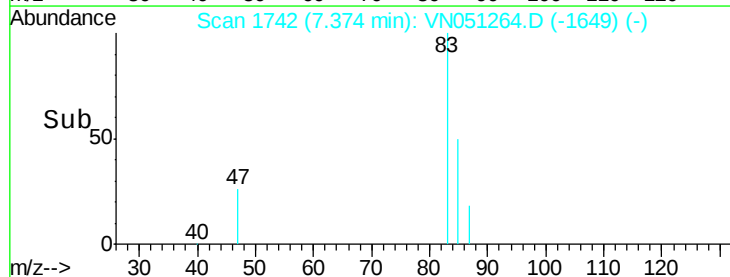
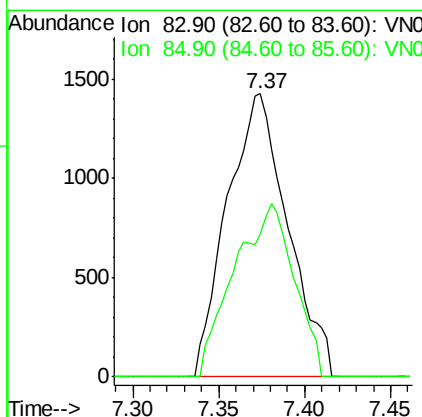
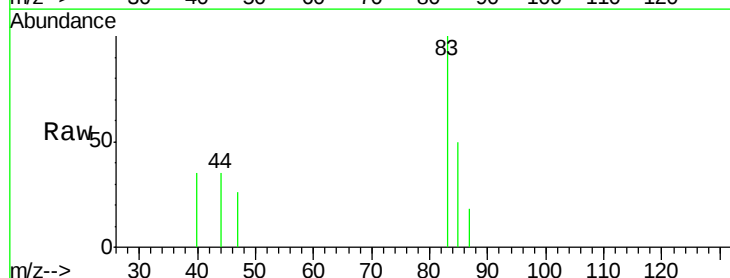
Manual Integrations
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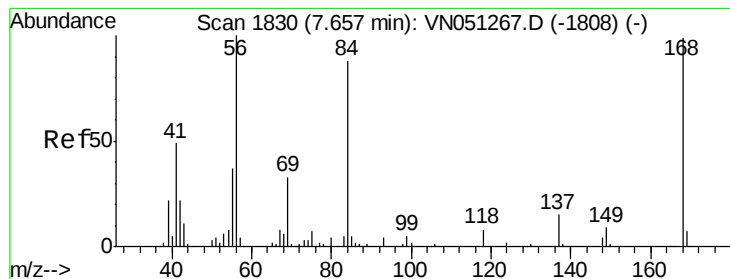
MMDadoda
9/19/2018 4:57:47 PM



#30
Chloroform
Concen: 0.54 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	50.2	52.4	78.6#





#31

Cyclohexane

Concen: 1.10 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

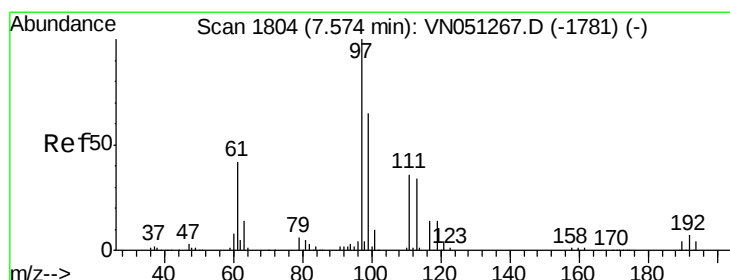
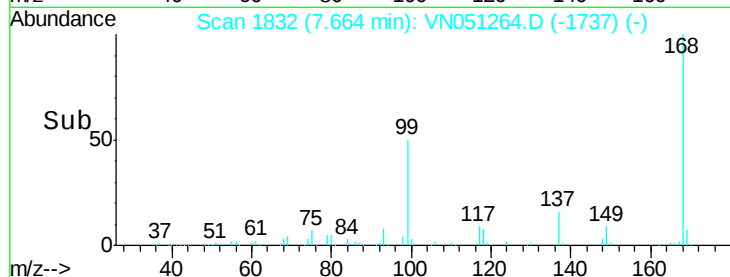
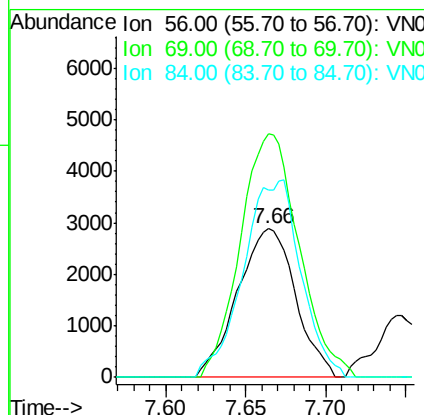
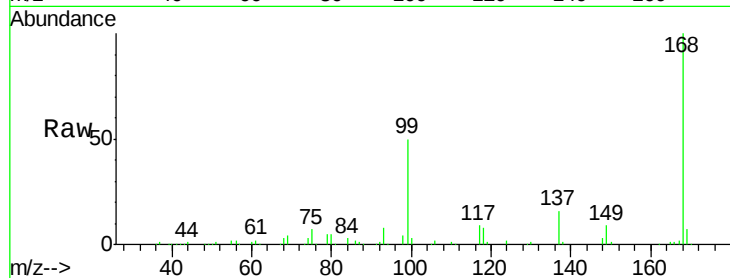
ClientSampled :

VSTDIC001

Tot Ion:	56	Resp:	7177
Ion	Ratio	Lower	Upper
56	100		
69	163.8	26.2	39.2#
84	126.4	70.6	106.0#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 0.45 ug/l

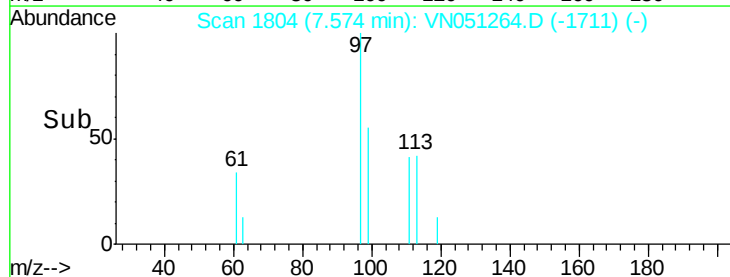
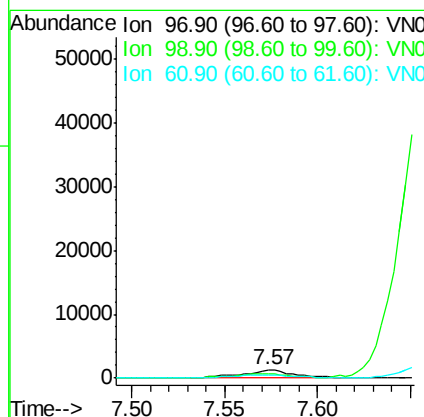
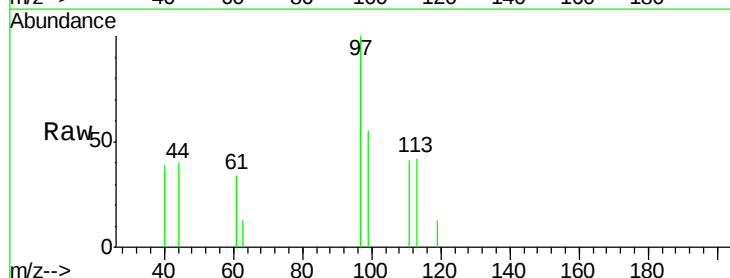
RT: 7.57 min Scan# 1804

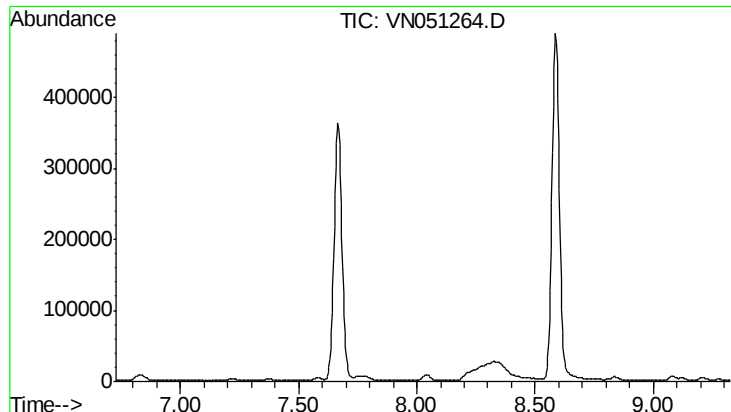
Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Tgt Ion:	97	Resp:	2484
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	22.5	33.4	50.2#





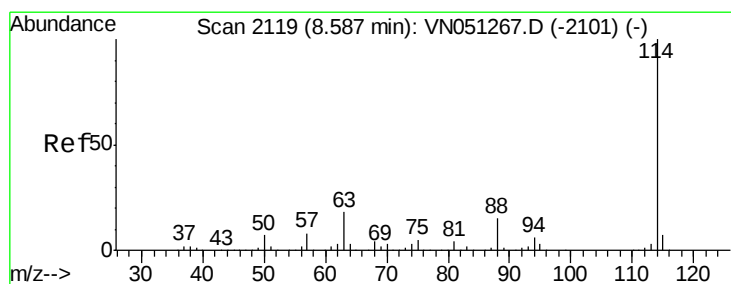
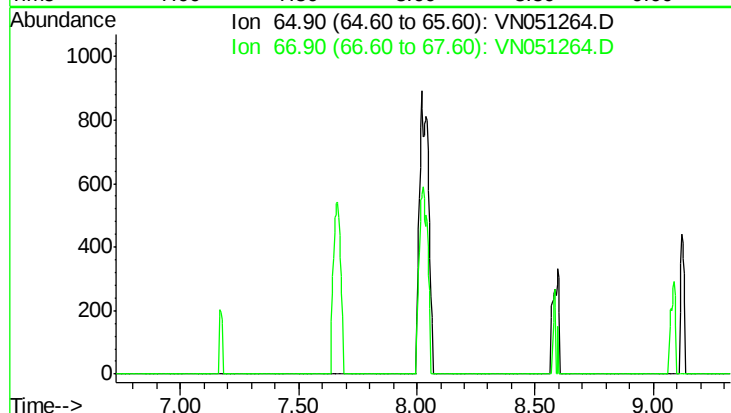
#33
 1,2-Dichloroethane-d4
 Concen: 0.00 ug/l
 Expected RT: 8.03 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Tot Ion: 65
 Sig Exp Ratio
 65 100
 67 55.5

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

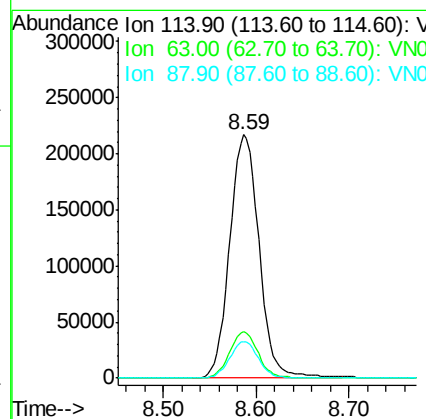
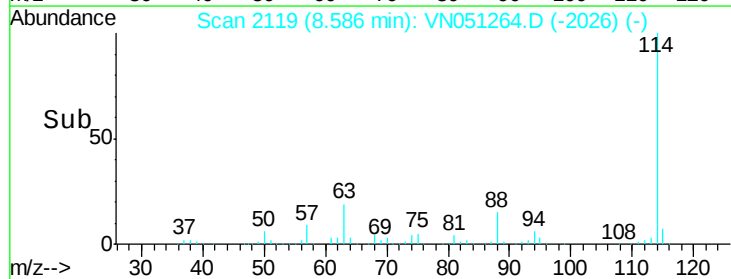
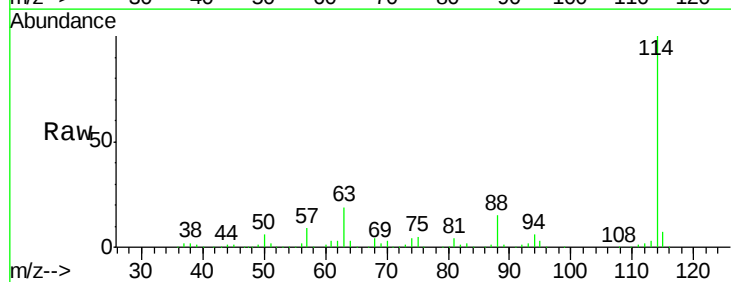
Manual Integrations
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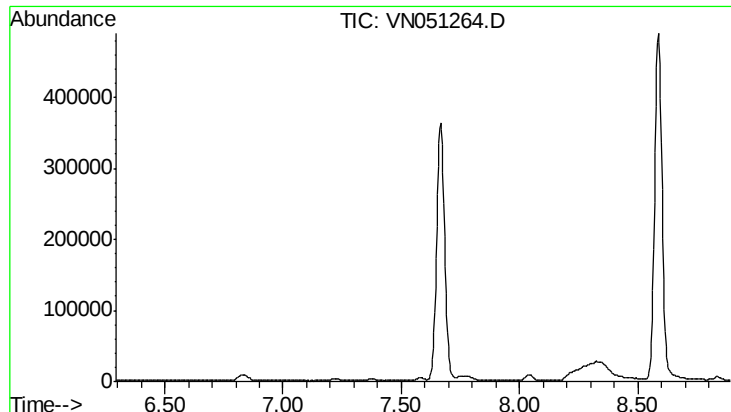
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Tgt Ion:114 Resp: 477562
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 36.8
 88 15.1 0.0 30.8





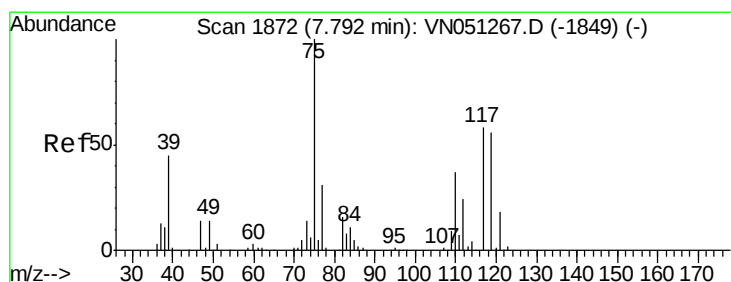
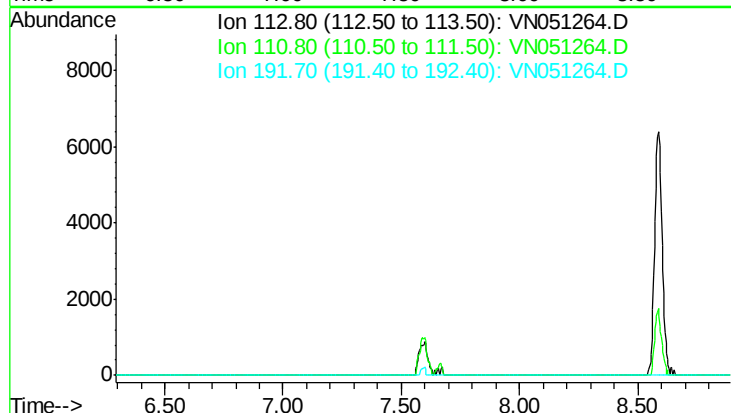
#35
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 7.59 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	113
Exp Ratio	100
111	102.8
192	23.8

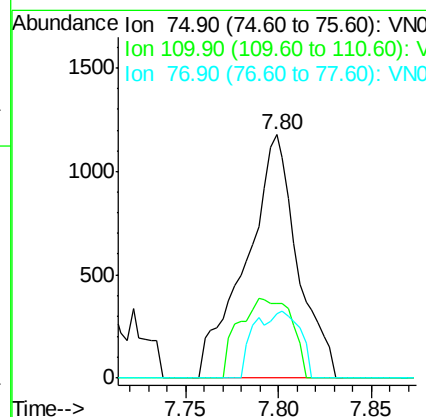
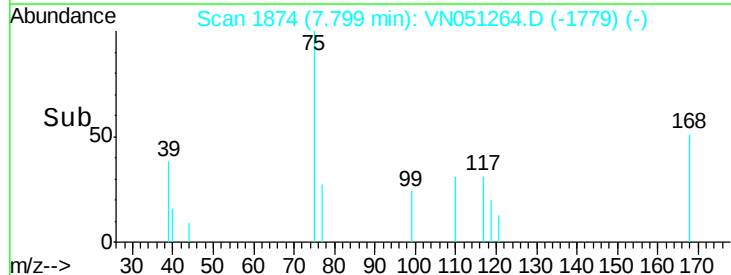
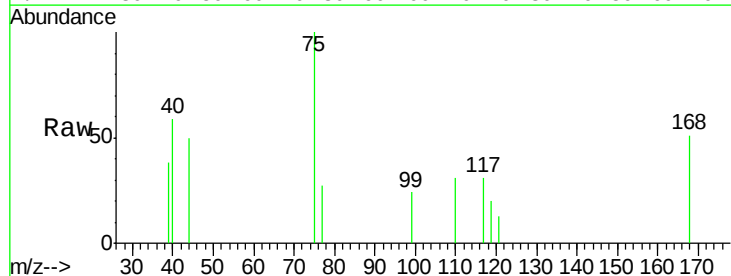
Manual Integrations
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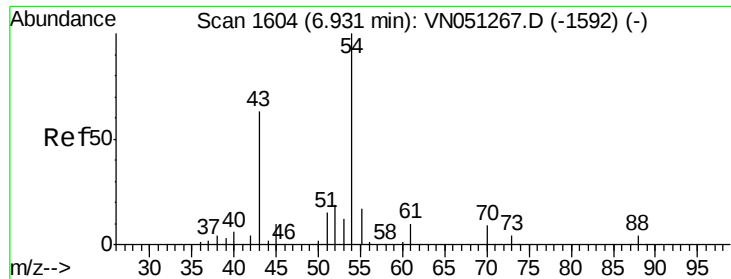
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#36
 1,1-Dichloropropene
 Concen: 0.43 ug/l
 RT: 7.80 min Scan# 1874
 Delta R.T. 0.01 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Tgt Ion	75	Resp:	2275
Ion Ratio	100	Lower	Upper
75	100		
110	33.5	18.6	56.0
77	8.2	24.7	37.1#





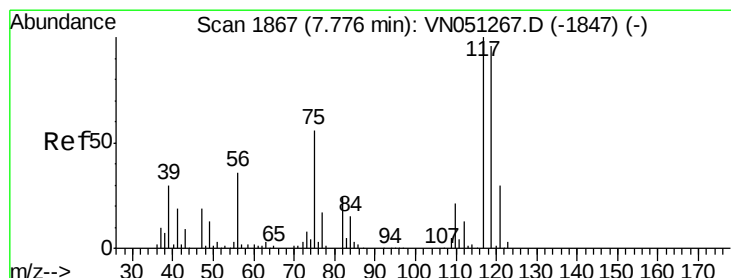
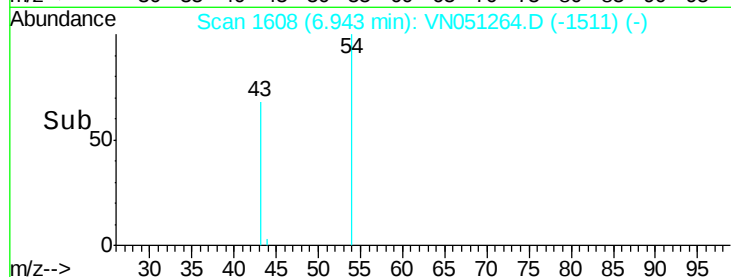
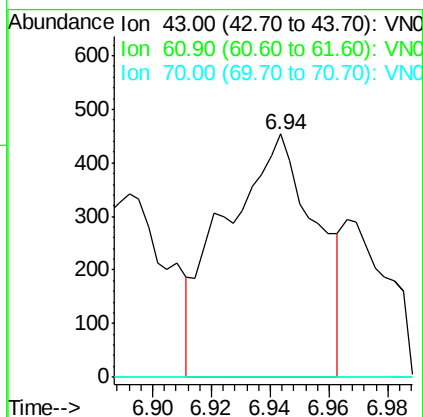
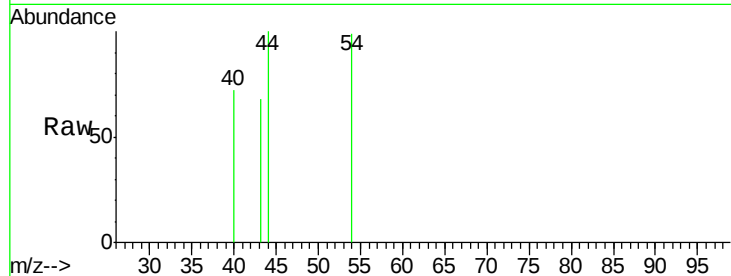
#37
Ethyl Acetate
Concen: 0.33 ug/l m
RT: 6.94 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.3	18.5#
70	0.0	9.4	14.0#

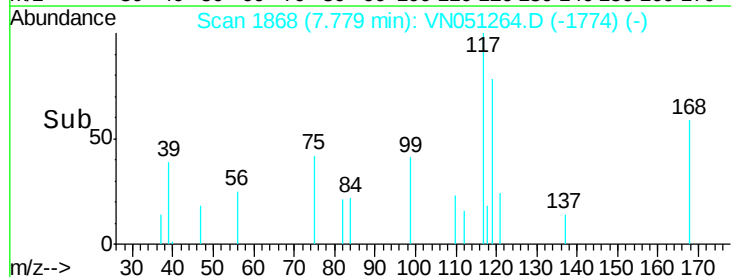
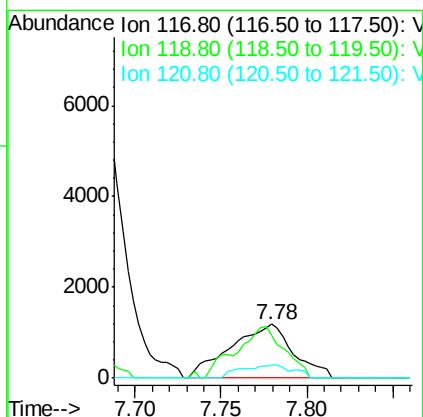
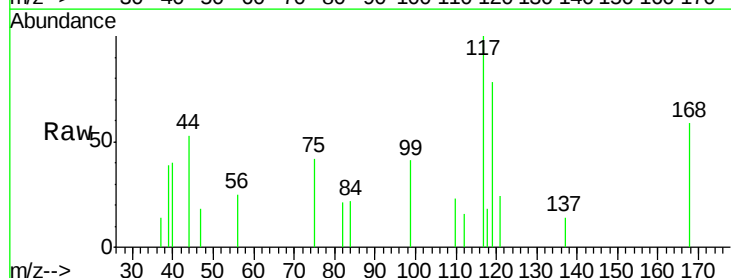
Manual Integrations
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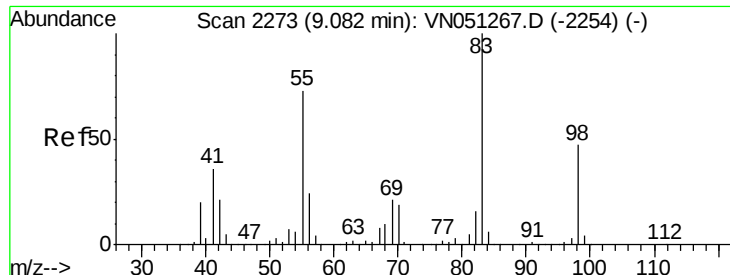
MMDadoda
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#38
Carbon Tetrachloride
Concen: 0.57 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	78.3	76.8	115.2
121	24.3	24.2	36.2





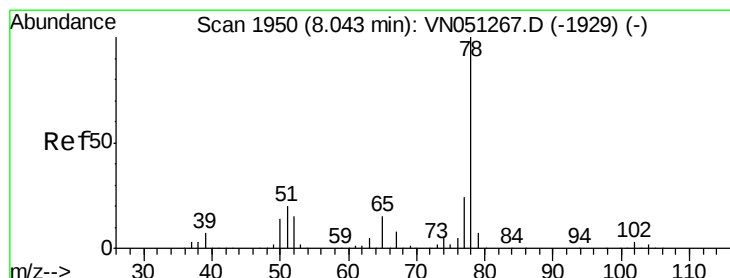
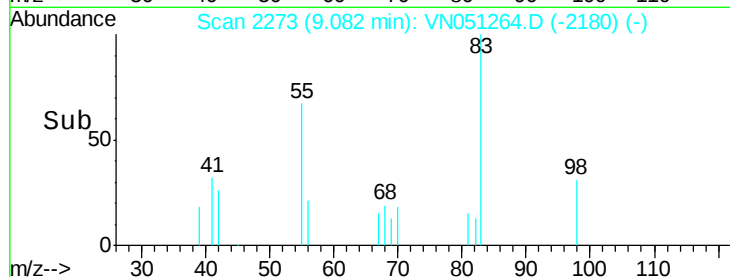
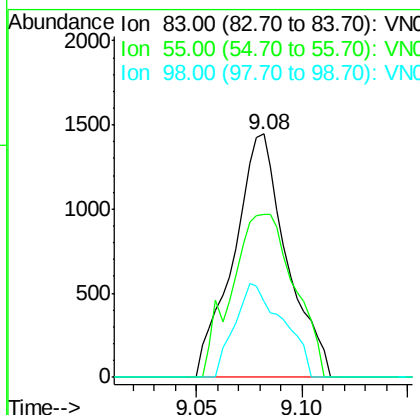
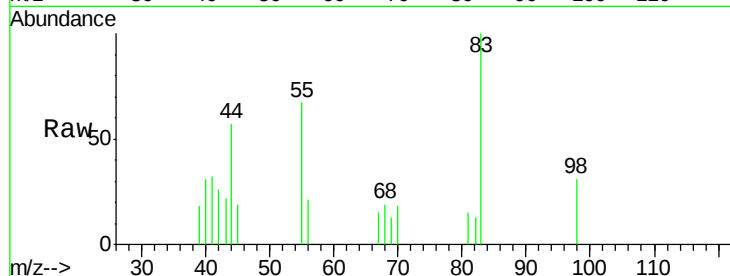
#39
Methvlcvclohexane
Concen: 0.44 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.2	58.7	88.1
98	31.0	37.3	55.9#

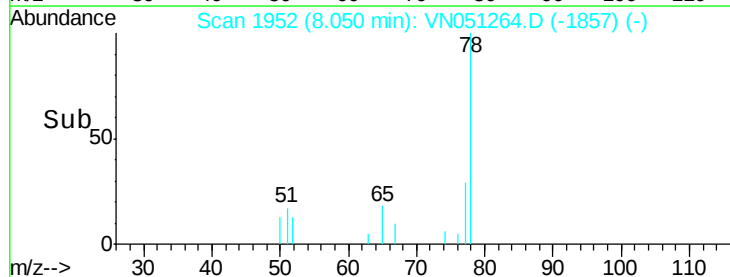
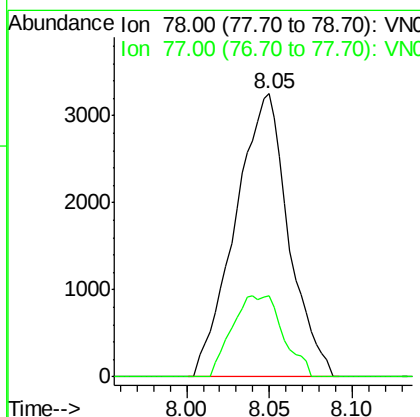
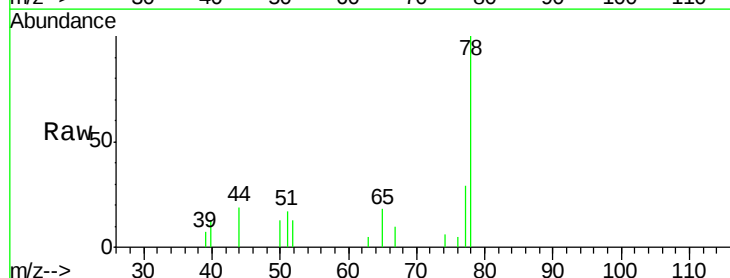
Manual Integrations
APPROVED

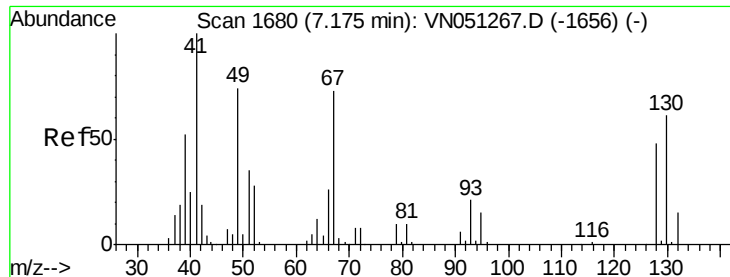
MMDadoda
9/19/2018 4:57:47 PM



#40
Benzene
Concen: 0.46 ug/l
RT: 8.05 min Scan# 1952
Delta R.T. 0.01 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	28.6	19.0	28.4#





#41

Methacrylonitrile

Concen: 0.22 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

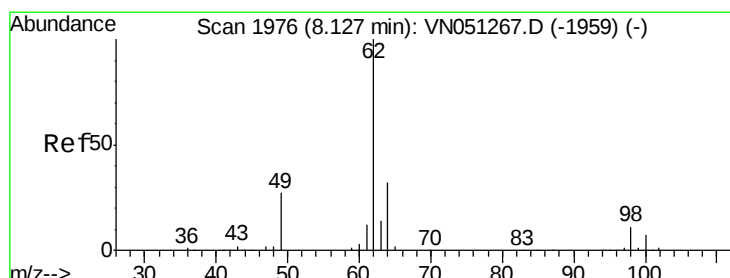
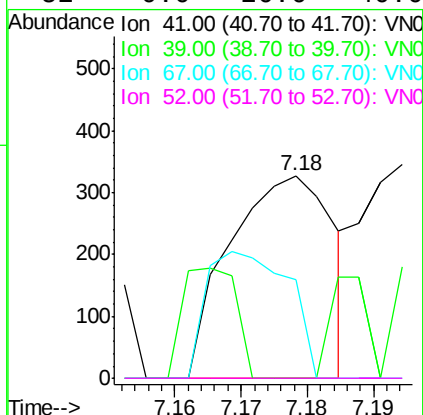
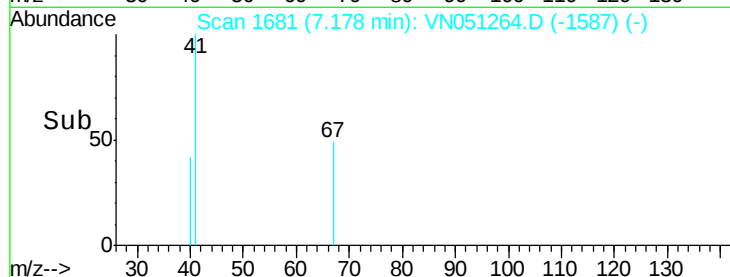
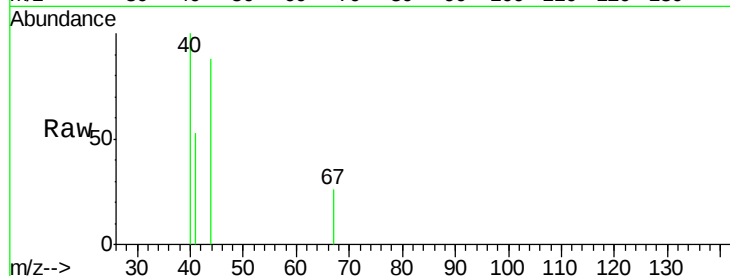
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	354
Ion	Ratio	Lower	Upper
41	100		
39	17.8	47.8	71.6#
67	0.0	69.8	104.6#
52	0.0	26.6	40.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 0.48 ug/l

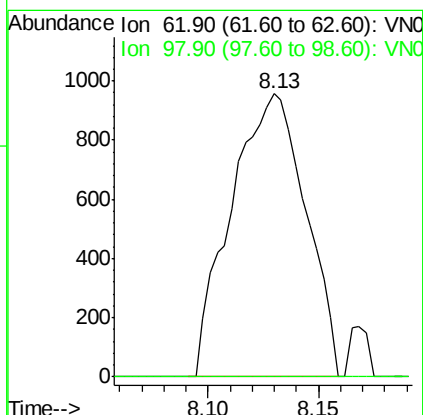
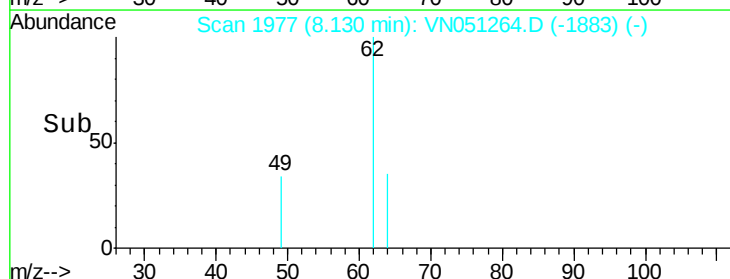
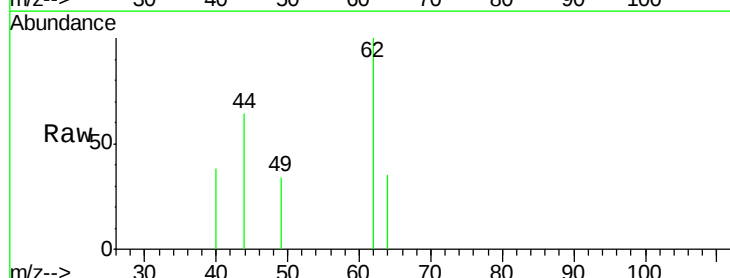
RT: 8.13 min Scan# 1977

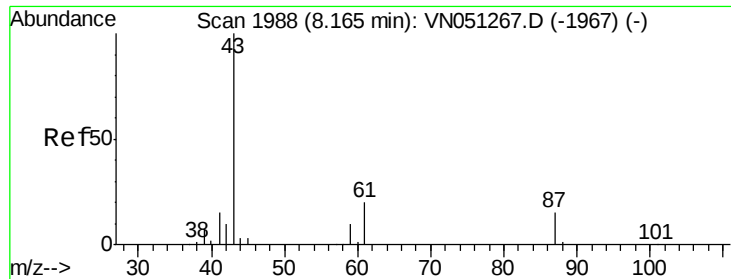
Delta R.T. 0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Tgt Ion:	62	Resp:	2237
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	21.0





#43

Isopropyl Acetate

Concen: 0.36 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

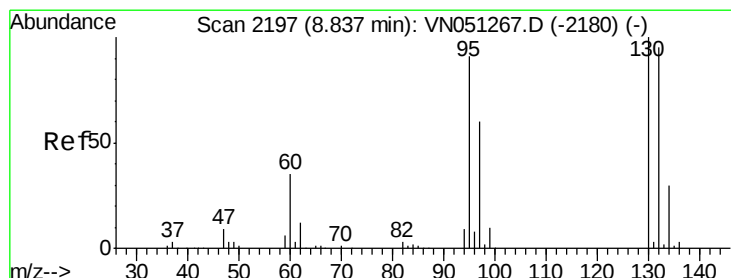
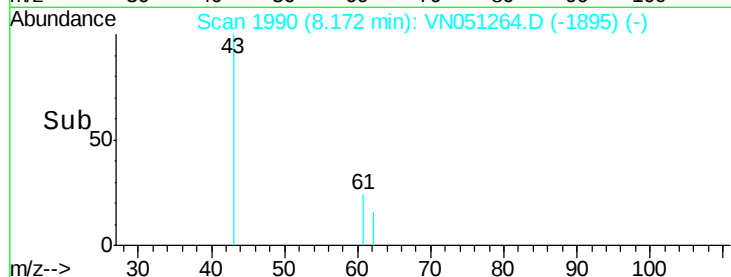
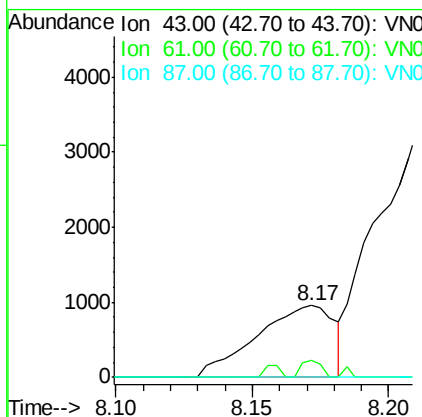
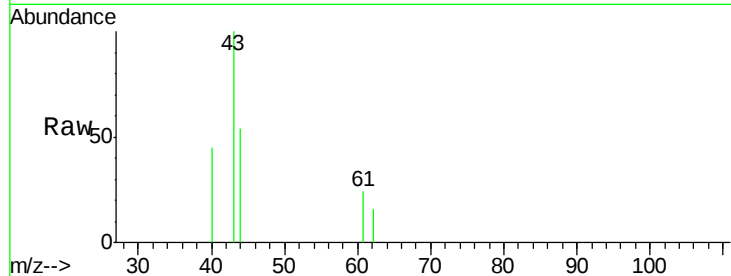
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	1897
Ion	Ratio	Lower	Upper
43	100		
61	6.1	17.4	26.2#
87	0.0	12.2	18.4#

Manual Integrations
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#44

Trichloroethene

Concen: 0.43 ug/l

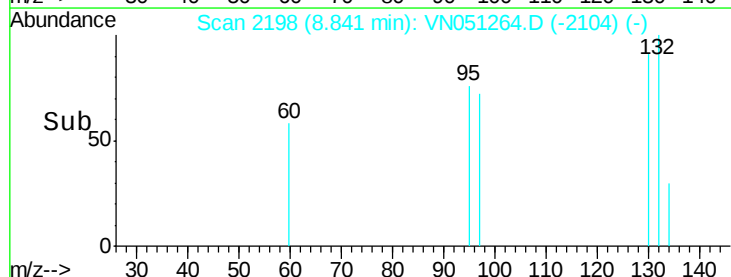
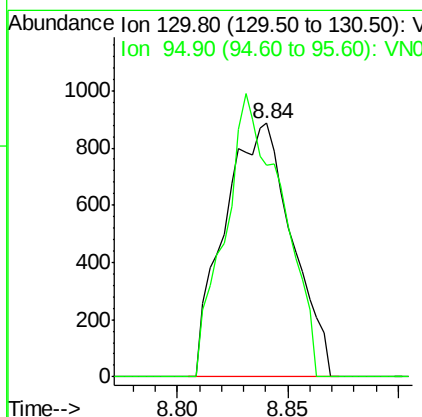
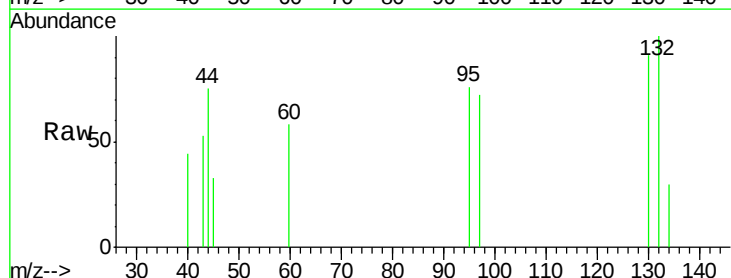
RT: 8.84 min Scan# 2198

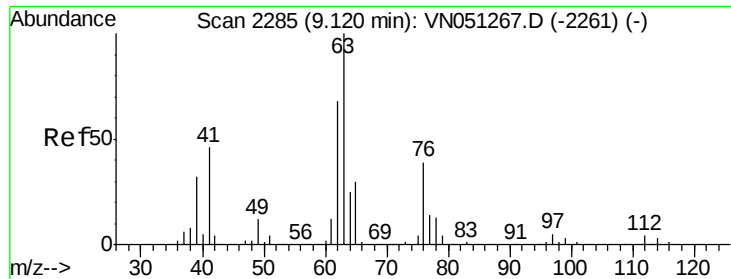
Delta R.T. 0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Tgt Ion:	130	Resp:	1881
Ion	Ratio	Lower	Upper
130	100		
95	83.4	0.0	181.8





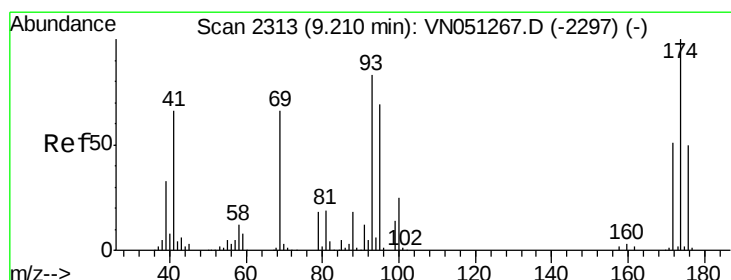
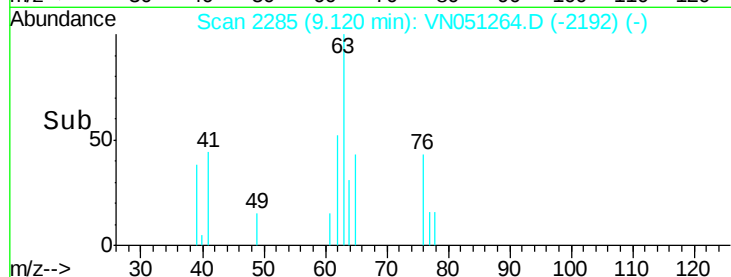
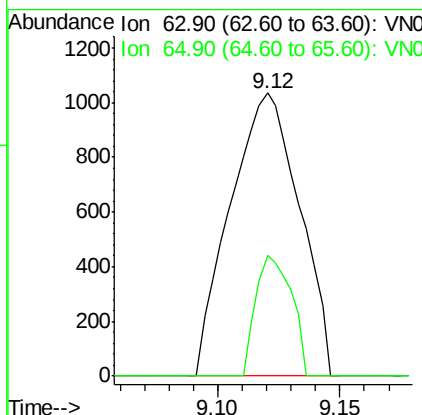
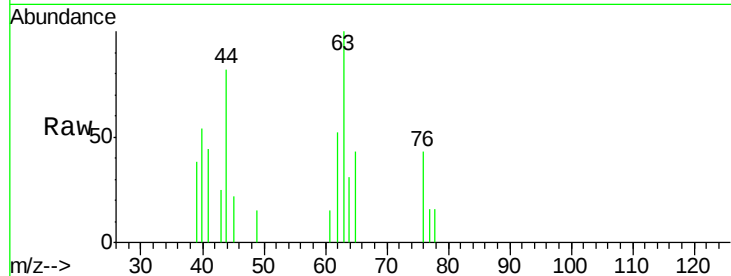
#45
 1,2-Dichloropropane
 Concen: 0.49 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 63 Resp: 2030
 Ion Ratio Lower Upper
 63 100
 65 42.6 24.2 36.4#

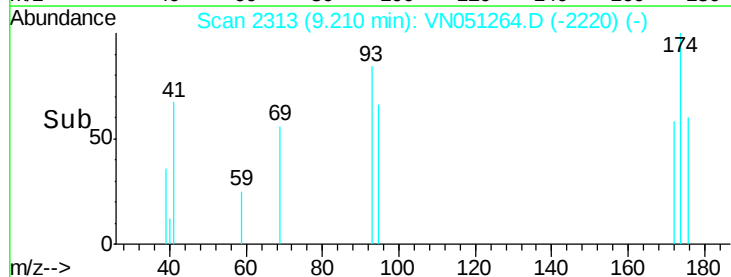
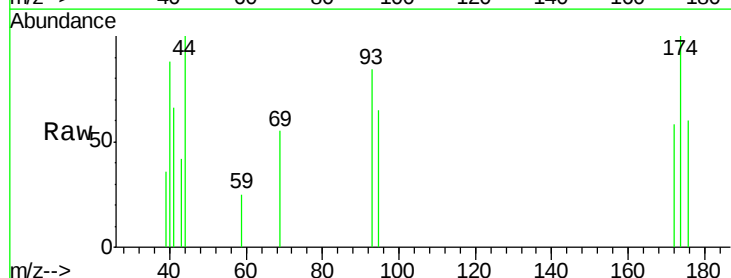
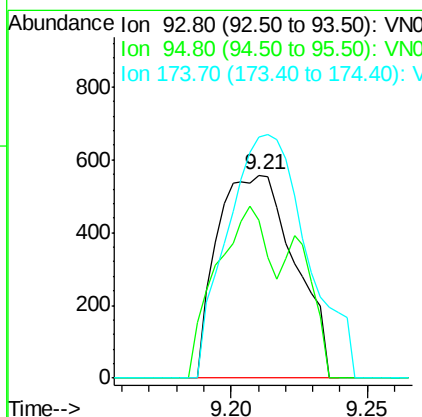
Manual Integrations
 APPROVED

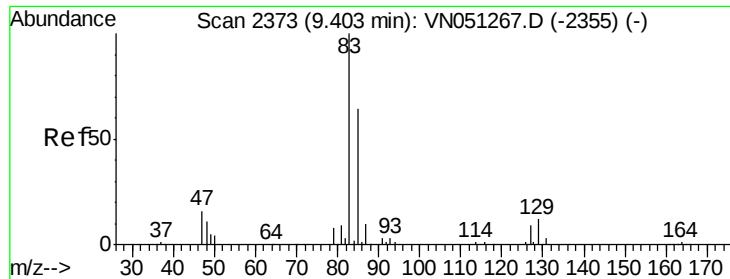
MMDadoda
 9/19/2018 4:57:47 PM



#46
 Dibromomethane
 Concen: 0.44 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Tgt Ion: 93 Resp: 1096
 Ion Ratio Lower Upper
 93 100
 95 59.0 66.6 100.0#
 174 123.6 95.6 143.4





#47

Bromodichloromethane

Concen: 0.47 ug/l

RT: 9.41 min Scan# 2375

Delta R.T. 0.01 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

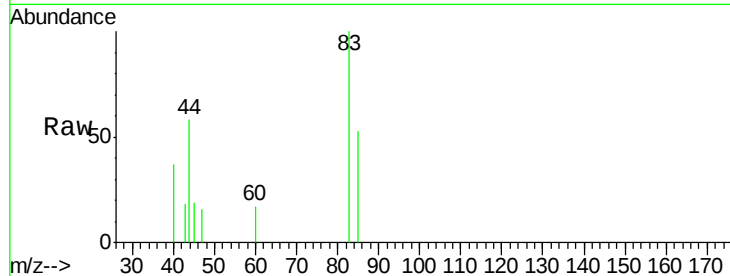
ClientSampleId :

VSTDIC001

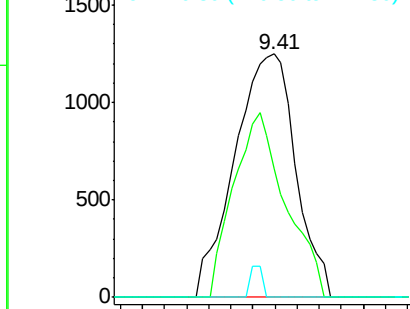
Tot Ion:	83	Resp:	2399
Ion	Ratio	Lower	Upper
83	100		
85	52.5	51.0	76.4
127	0.0	7.1	10.7#

Manual Integrations
APPROVED

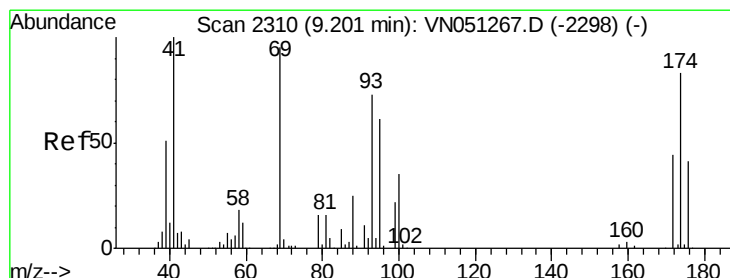
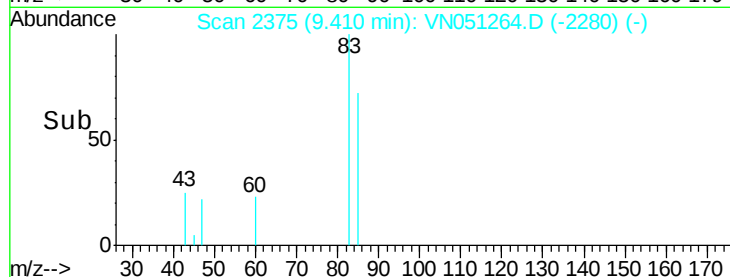
MMDadoda
9/19/2018 4:57:47 PM



Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): VNC



Time-->



#48

Methyl methacrylate

Concen: 0.42 ug/l

RT: 9.20 min Scan# 2310

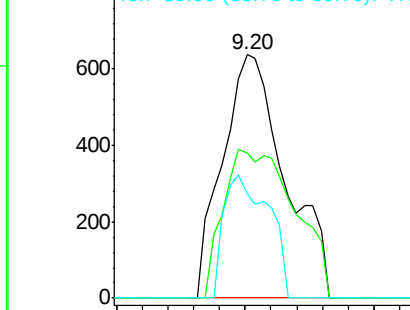
Delta R.T. -0.00 min

Lab File: VN051264.D

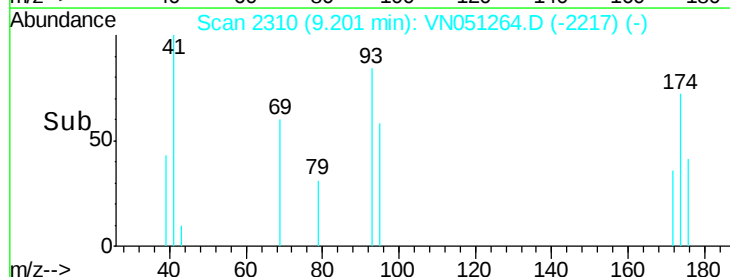
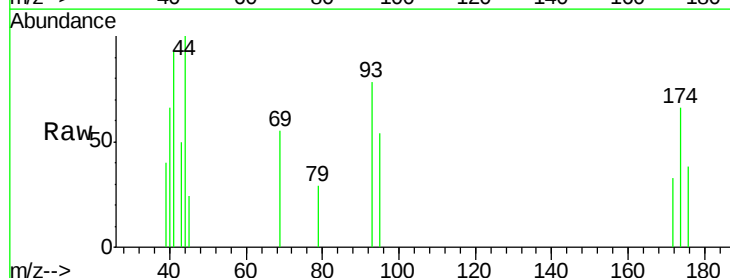
Acq: 17 Sep 2018 10:22

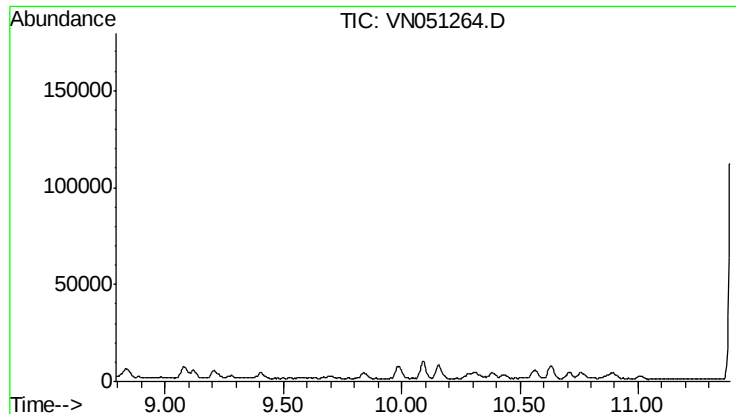
Tgt Ion:	41	Resp:	1083
Ion	Ratio	Lower	Upper
41	100		
69	69.4	78.9	118.3#
39	36.3	42.2	63.2#

Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC



Time-->





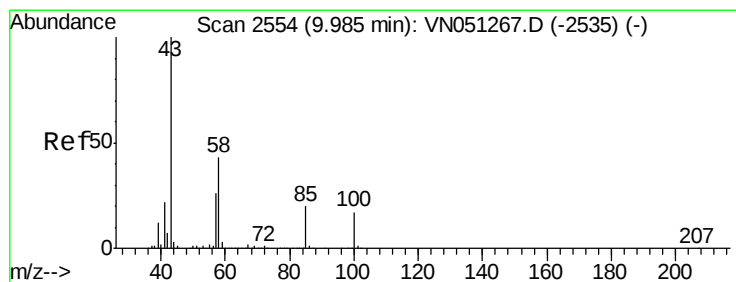
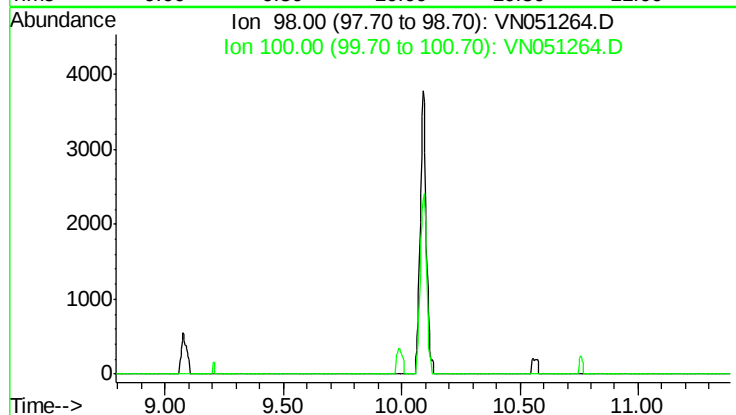
#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 10.09 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.5

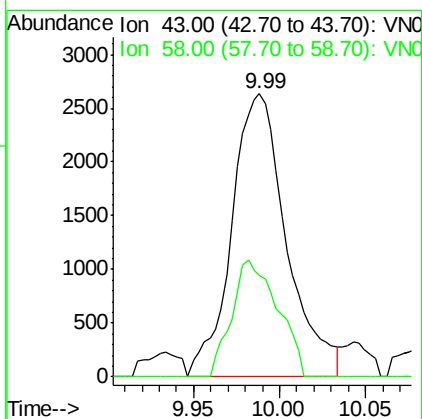
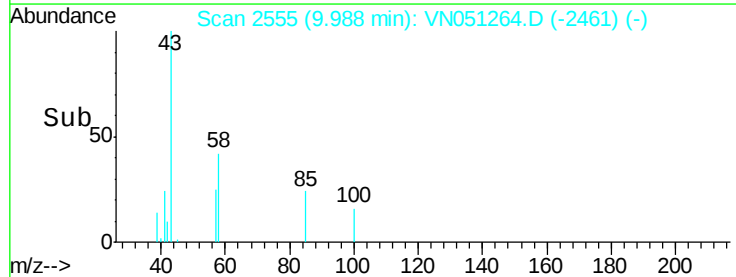
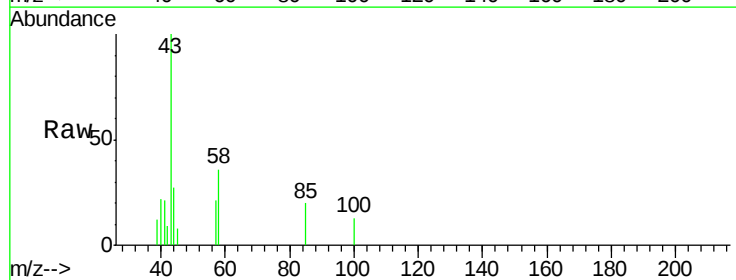
Manual Integrations
APPROVED

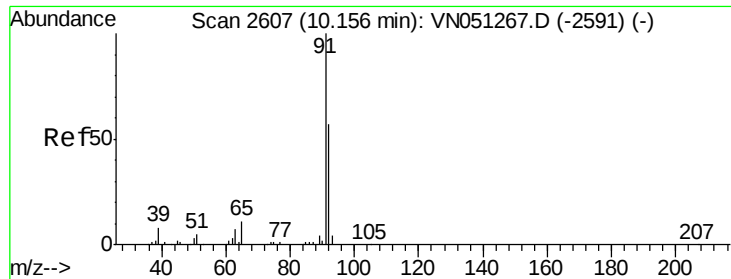
MMDadoda
9/19/2018 4:57:47 PM



#51
4-Methyl-2-Pentanone
Concen: 2.00 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Tgt Ion: 43 Resp: 5857
Ion Ratio Lower Upper
43 100
58 34.4 33.8 50.6





#52

Toluene

Concen: 0.35 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 3426

Ion Ratio Lower Upper

92 100

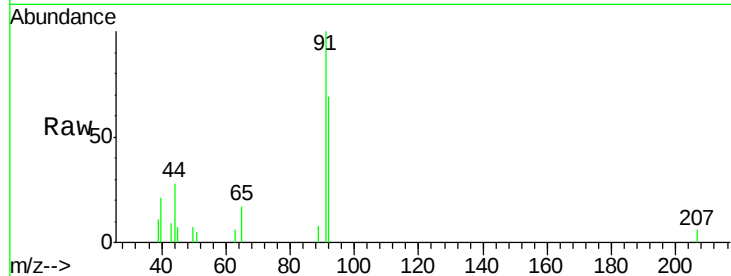
91 168.2 139.2 208.8

Manual Integrations

APPROVED

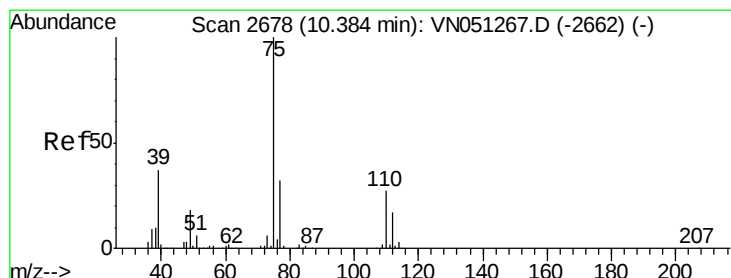
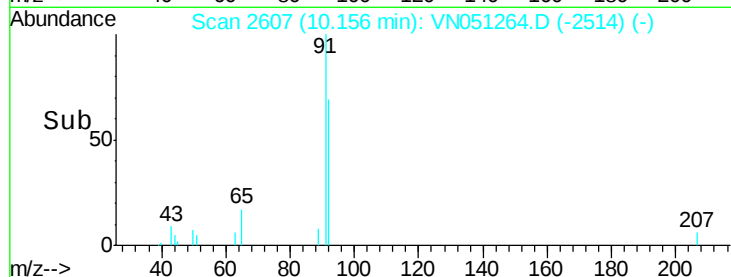
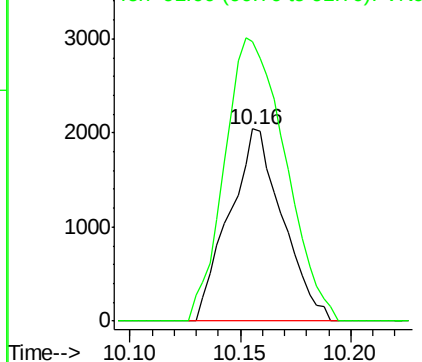
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.38 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051264.D

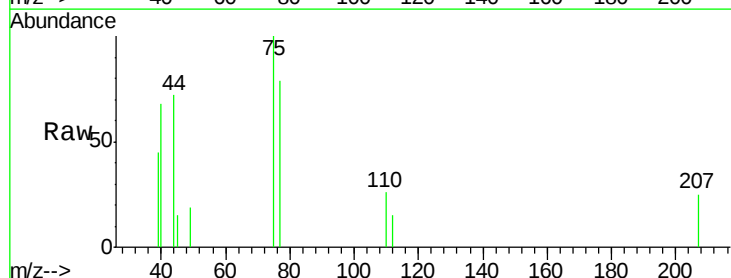
Acq: 17 Sep 2018 10:22

Tgt Ion: 75 Resp: 1936

Ion Ratio Lower Upper

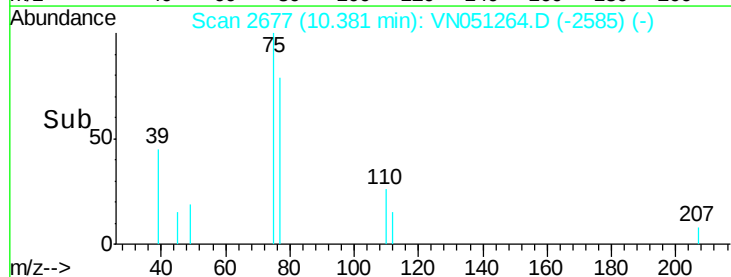
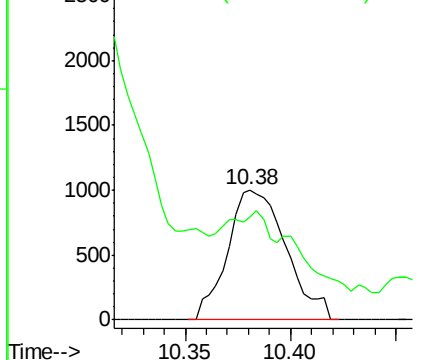
75 100

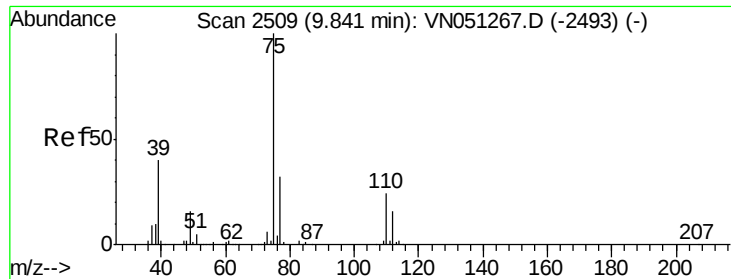
77 49.4 25.5 38.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 0.46 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

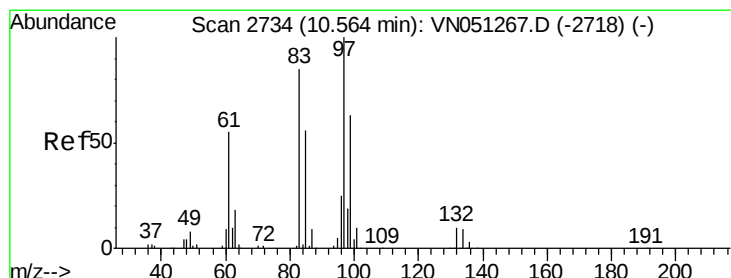
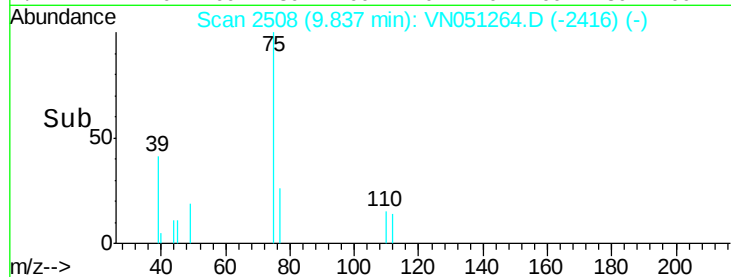
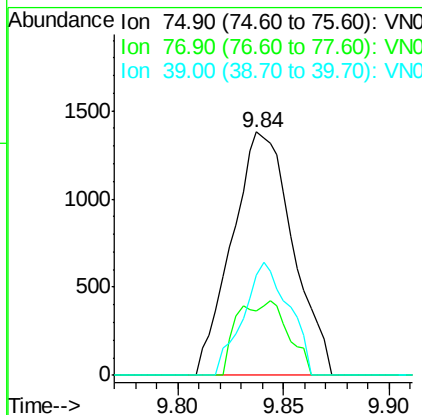
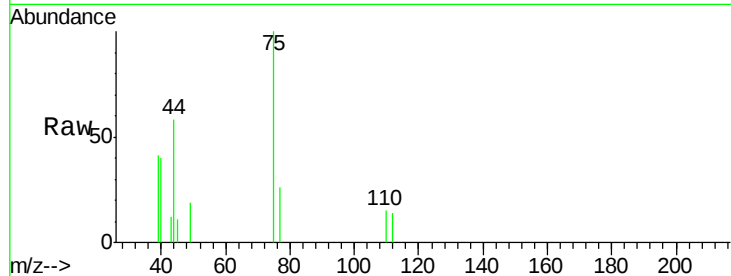
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	2756
Ion	Ratio	Lower	Upper
75	100		
77	26.3	25.8	38.8
39	41.1	31.8	47.8

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 0.45 ug/l

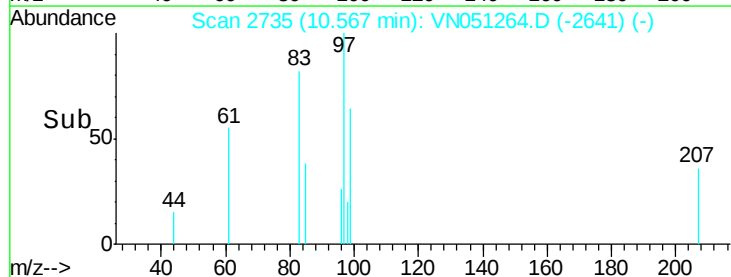
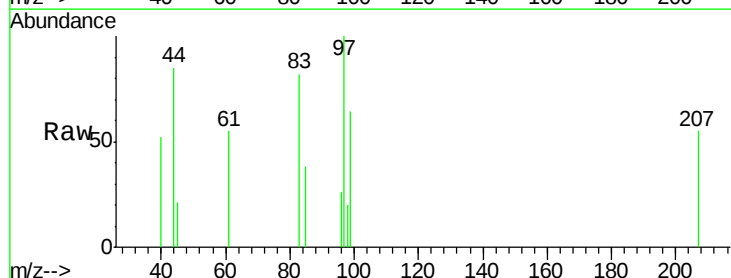
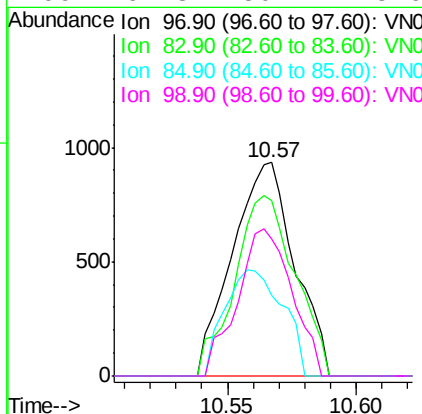
RT: 10.57 min Scan# 2735

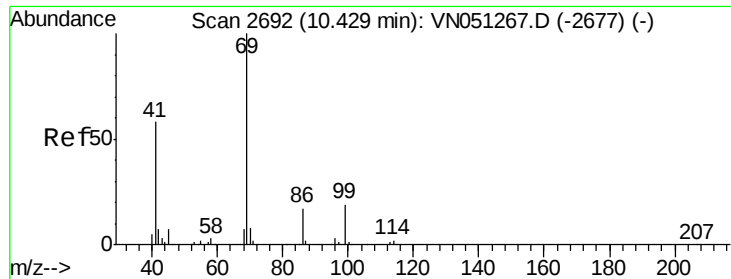
Delta R.T. 0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Tgt Ion:	97	Resp:	1573
Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.7	101.5
85	37.8	44.5	66.7#
99	64.3	50.4	75.6





#56

Ethyl methacrylate

Concen: 0.27 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

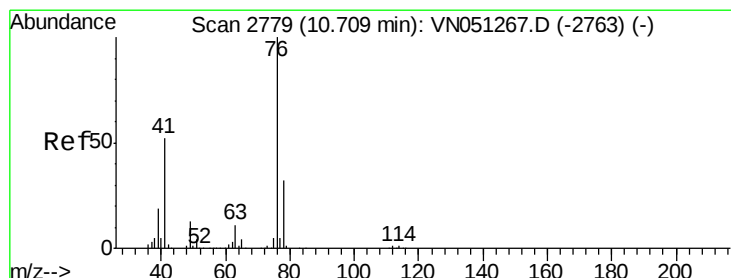
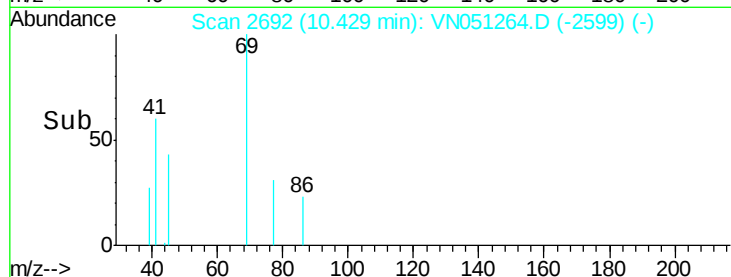
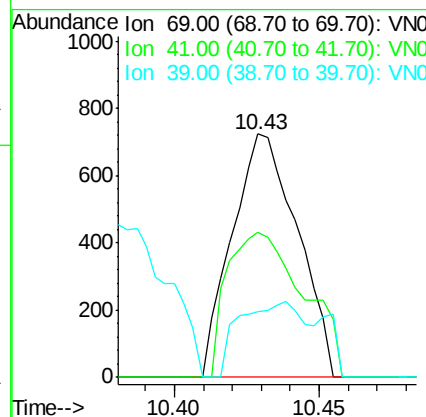
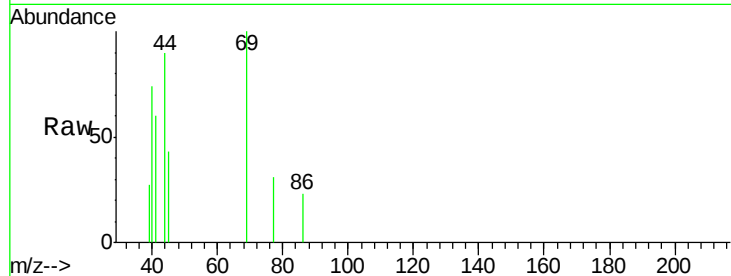
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	1131
Ion	Ratio	Lower	Upper
69	100		
41	69.7	47.4	71.0
39	38.2	23.7	35.5#

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.38 ug/l

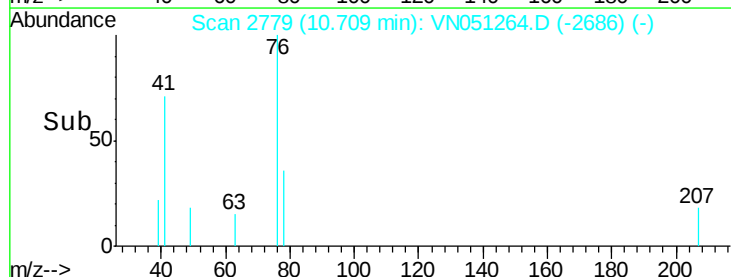
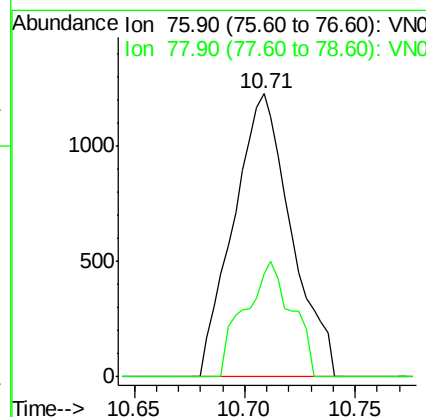
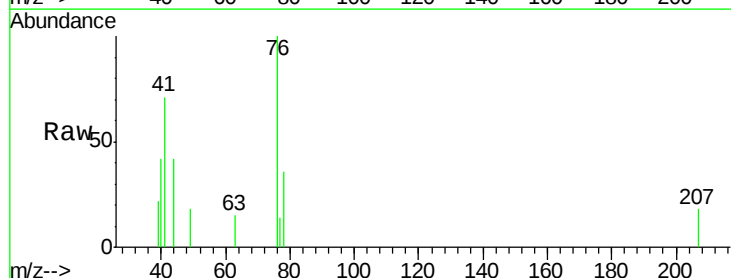
RT: 10.71 min Scan# 2779

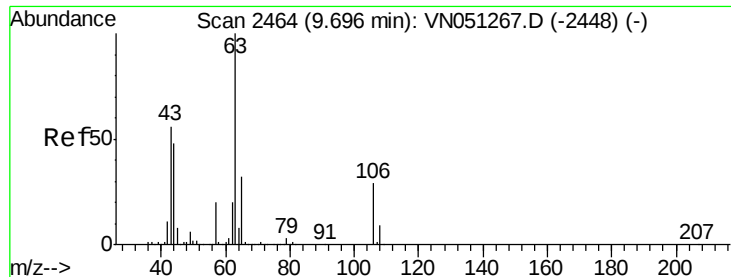
Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Tgt Ion:	76	Resp:	2222
Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.8	38.6





#58

2-Chloroethyl Vinyl ether

Concen: 0.59 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 63 Resp: 1010

Ion Ratio Lower Upper

63 100

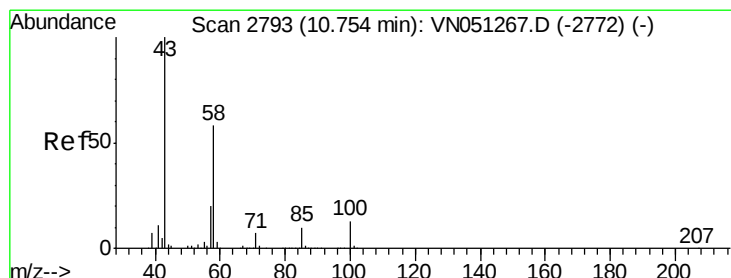
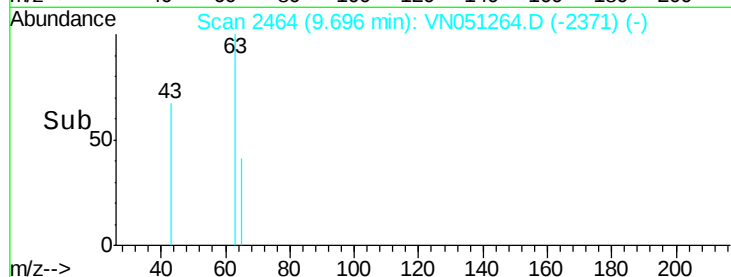
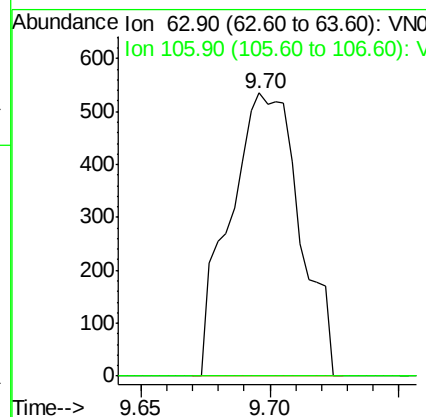
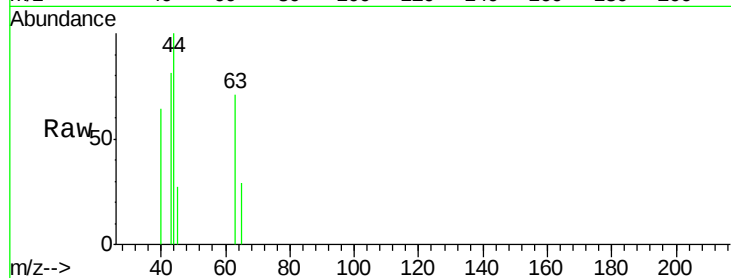
106 0.0 23.4 35.2#

Manual Integrations

APPROVED

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#59

2-Hexanone

Concen: 1.86 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN051264.D

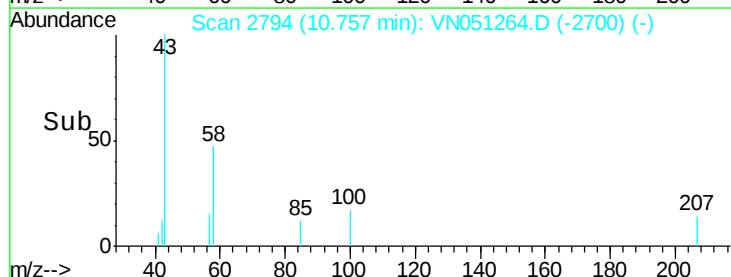
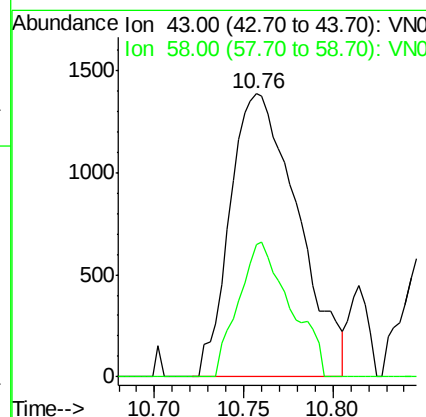
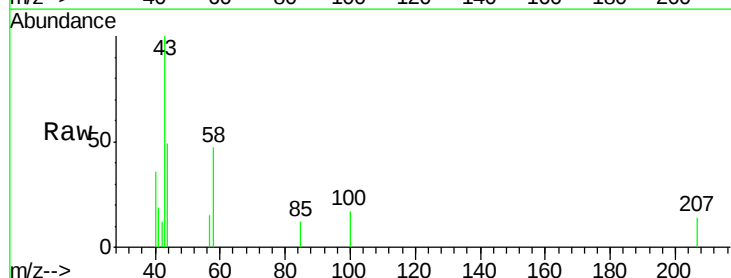
Acq: 17 Sep 2018 10:22

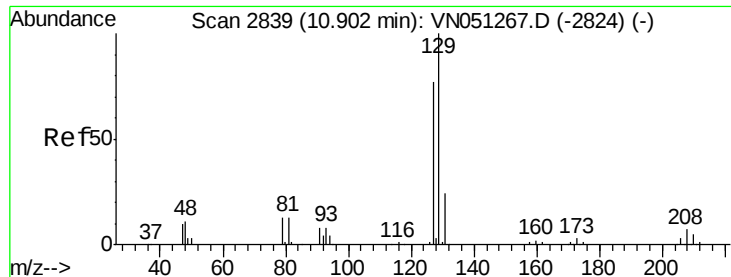
Tgt Ion: 43 Resp: 3666

Ion Ratio Lower Upper

43 100

58 36.3 28.9 86.8





#60

Dibromochloromethane

Concen: 0.47 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:129 Resp: 1876

Ion Ratio Lower Upper

129 100

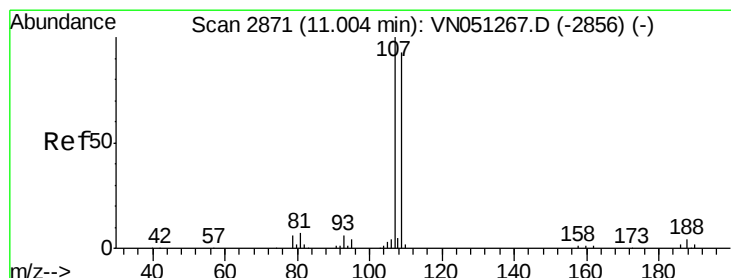
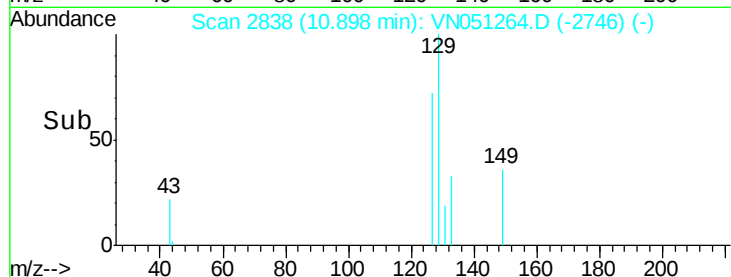
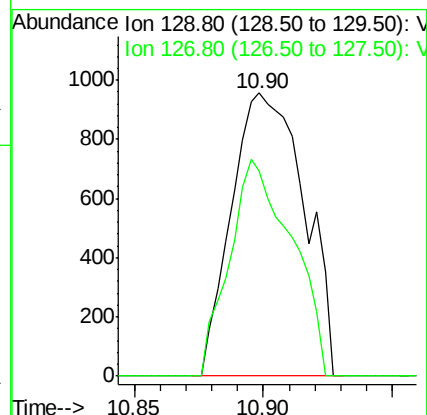
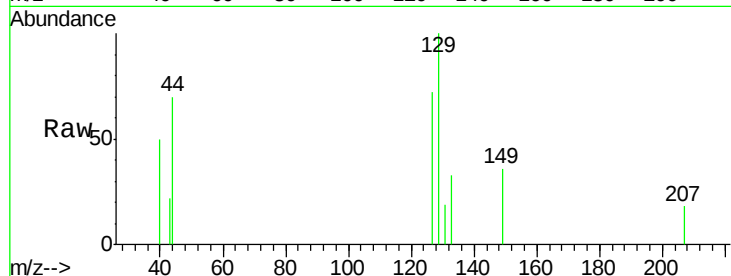
127 65.7 38.3 114.9

Manual Integrations

APPROVED

MMDadoda

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#61

1,2-Dibromoethane

Concen: 0.39 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051264.D

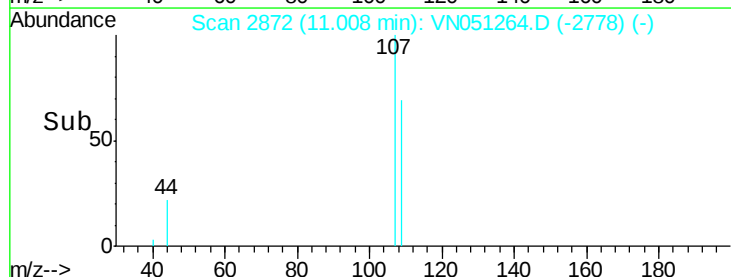
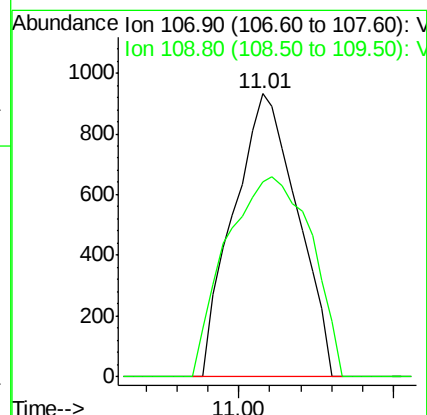
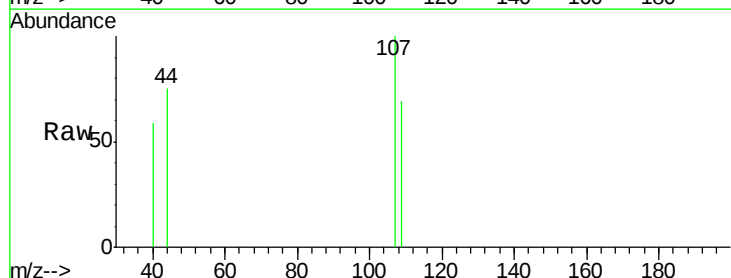
Acq: 17 Sep 2018 10:22

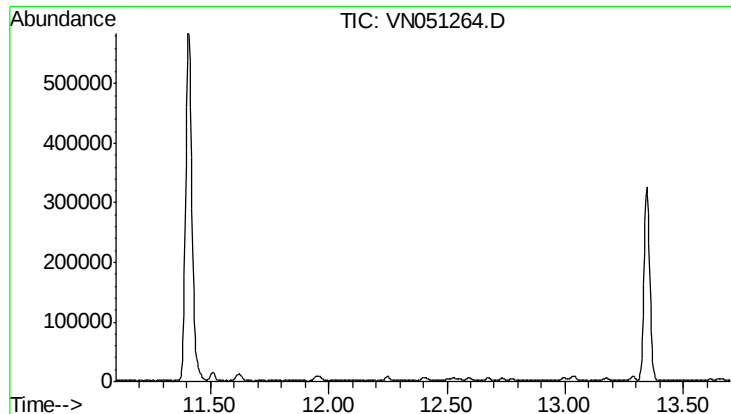
Tgt Ion:107 Resp: 1333

Ion Ratio Lower Upper

107 100

109 94.4 74.7 112.1





#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 12.40 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Tot Ion: 95

Sig Exp Ratio

95 100

174 94.8

176 91.3

Instrument :

MSVOA_N

ClientSampleId :

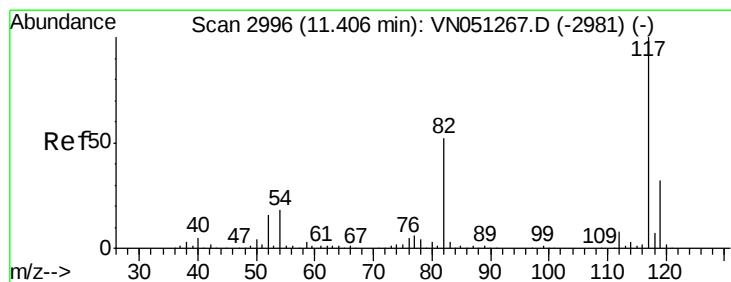
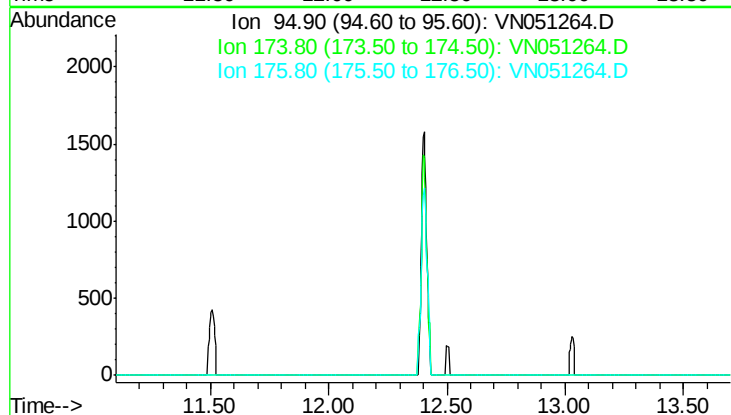
VSTDIC001

Manual Integrations

APPROVED

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9/19/2018 4:57:47 PM



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

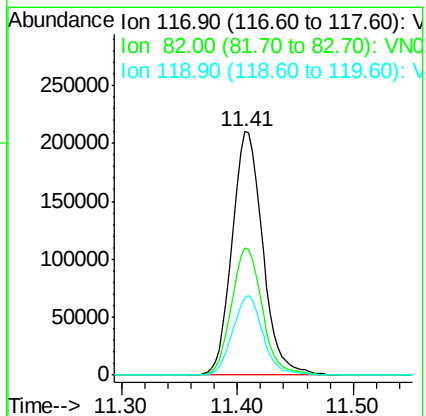
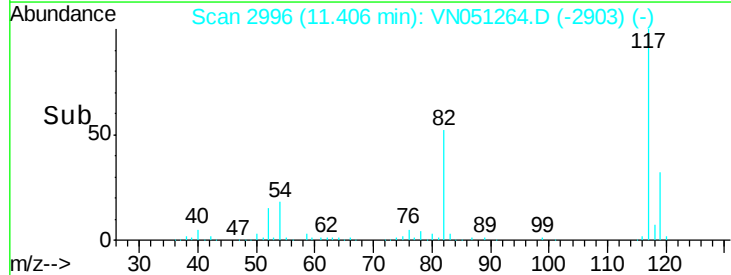
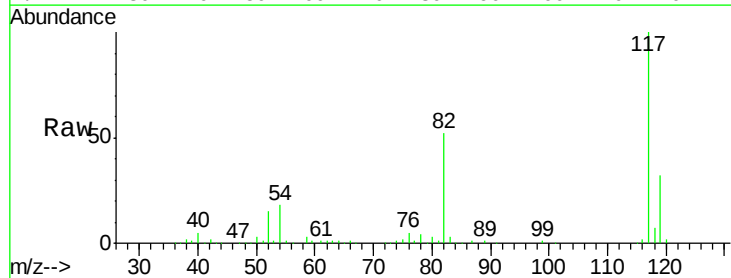
Tgt Ion:117 Resp: 383626

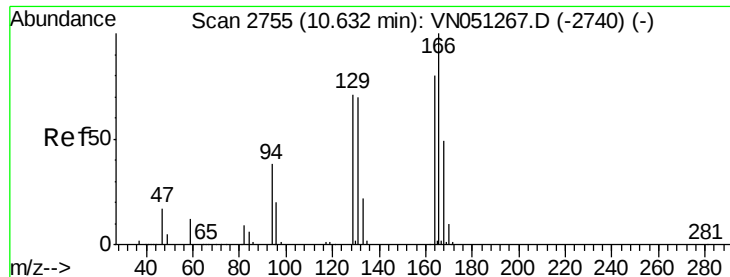
Ion Ratio Lower Upper

117 100

82 52.1 41.8 62.8

119 31.9 25.6 38.4





#64

Tetrachloroethene

Concen: 0.52 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.01 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 1853

Ion Ratio Lower Upper

164 100

166 105.0 100.0 150.0

129 86.2 70.8 106.2

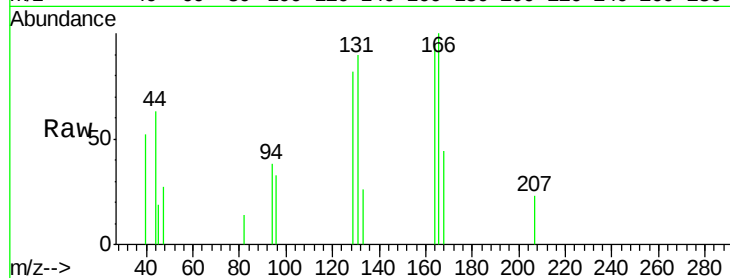
131 94.2 69.6 104.4

Manual Integrations

APPROVED

MMDadoda

9/19/2018 4:57:47 PM

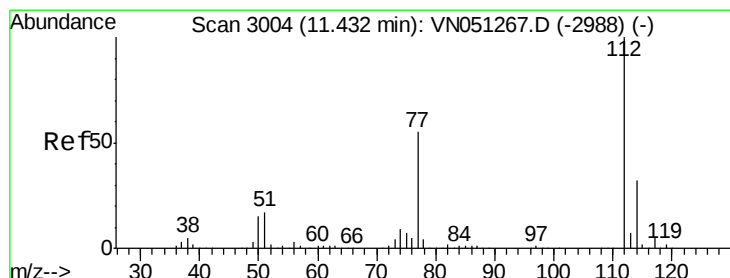
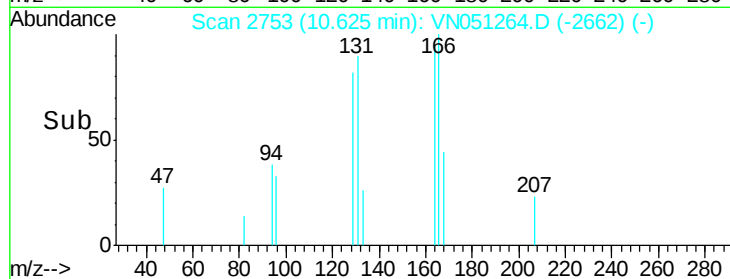
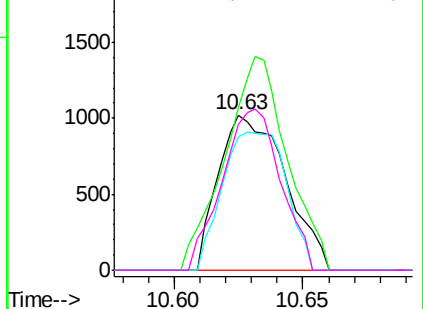


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.42 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051264.D

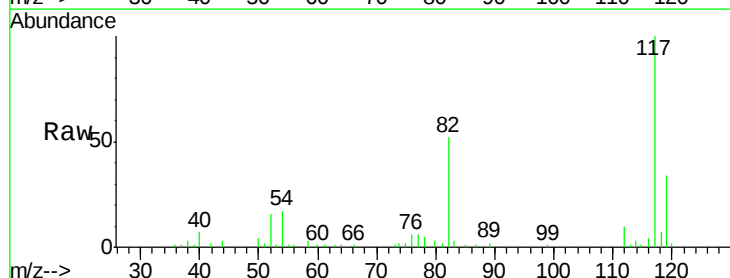
Acq: 17 Sep 2018 10:22

Tgt Ion:112 Resp: 4134

Ion Ratio Lower Upper

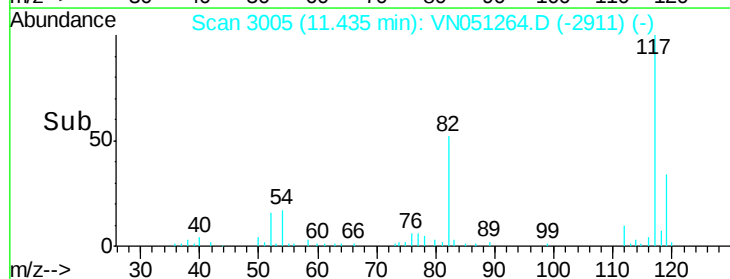
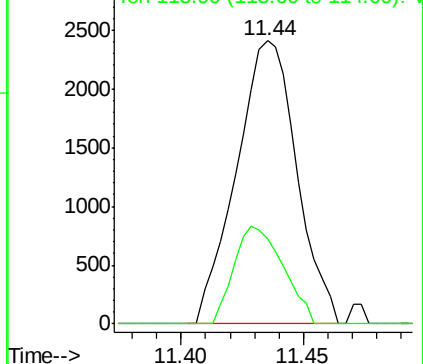
112 100

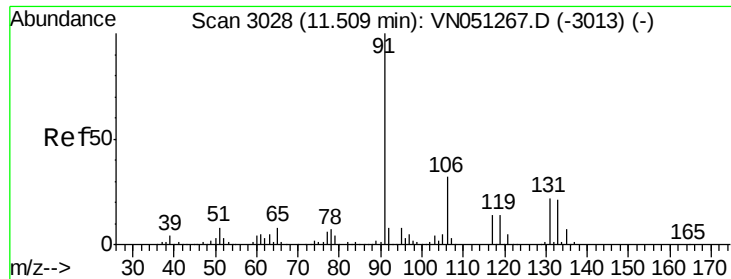
114 30.0 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





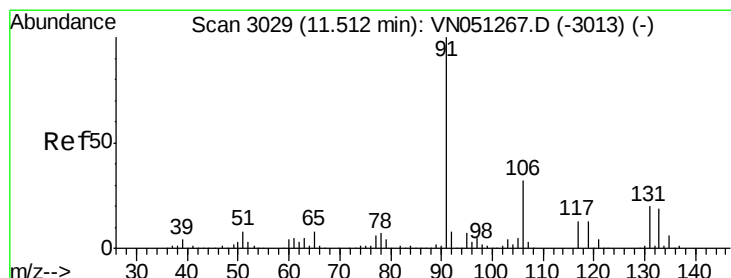
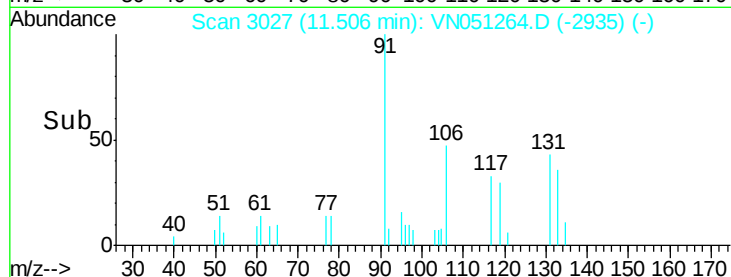
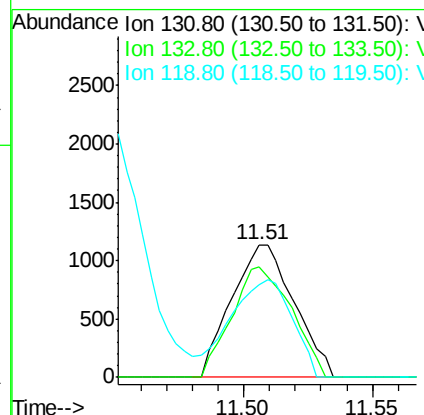
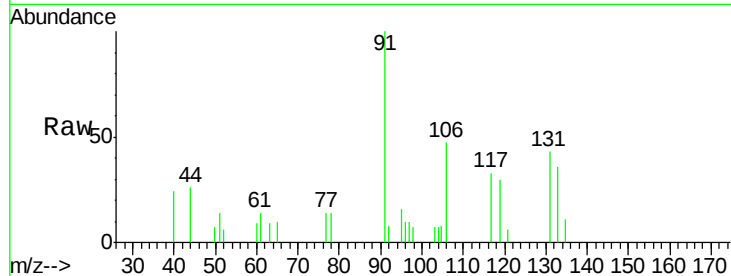
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.54 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	79.7	47.9	143.7
119	0.0	32.6	98.0#

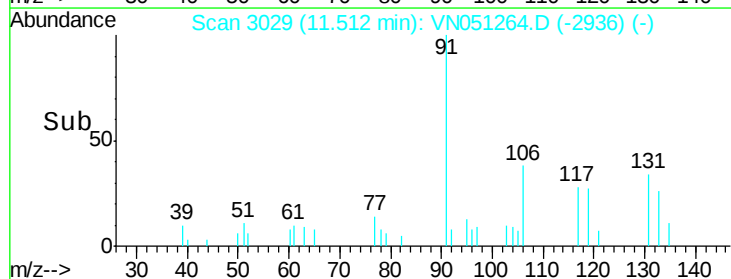
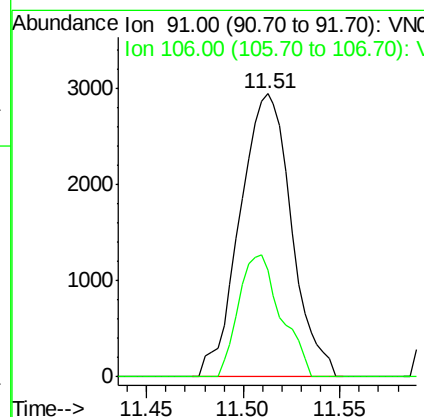
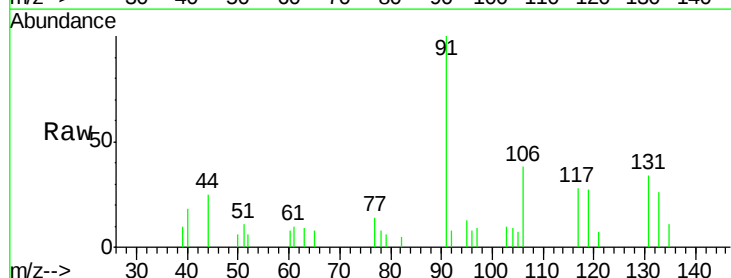
Manual Integrations
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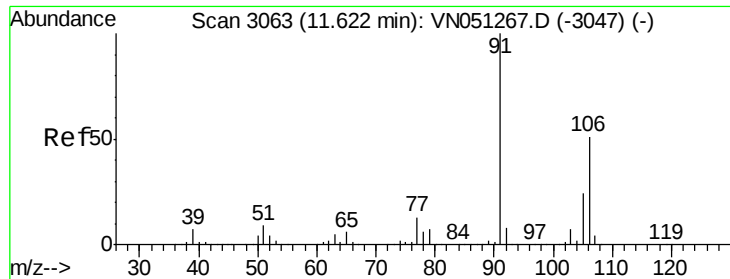
MMDadoda
 9/19/2018 4:57:47 PM



#67
 Ethyl Benzene
 Concen: 0.34 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.7	25.7	38.5





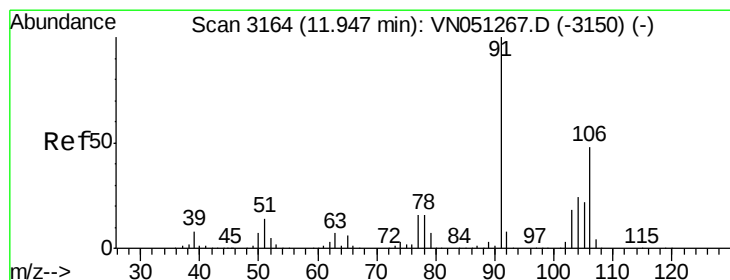
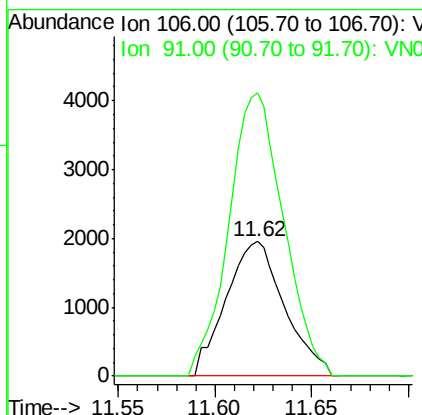
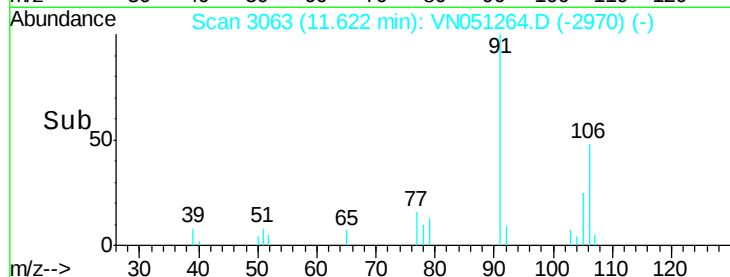
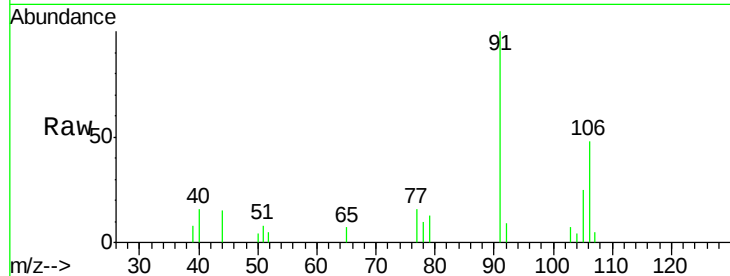
#68
m/p-Xylenes
Concen: 0.68 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 4113
Ion Ratio Lower Upper
106 100
91 196.6 158.6 238.0

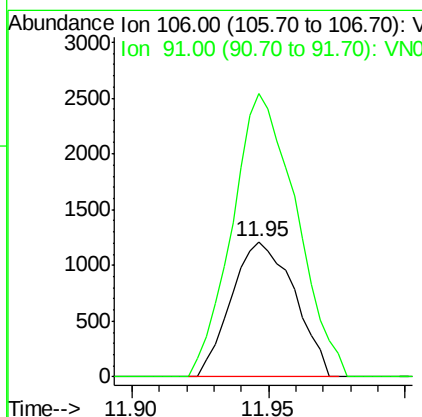
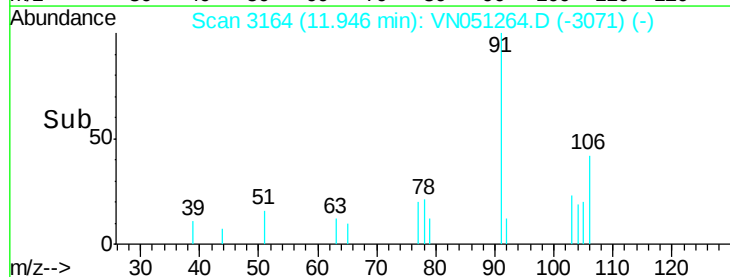
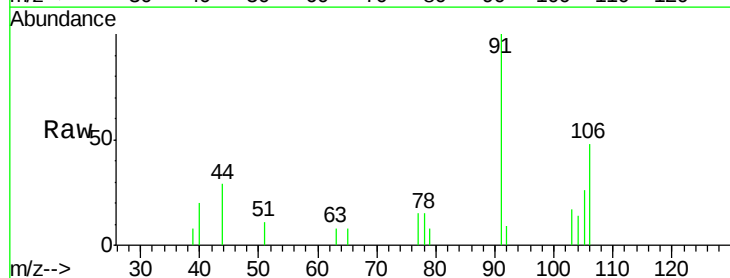
Manual Integrations
APPROVED

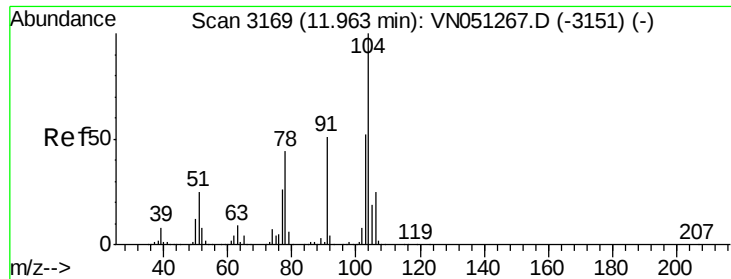
MMDadoda
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#69
o-Xylene
Concen: 0.33 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Tgt Ion:106 Resp: 1945
Ion Ratio Lower Upper
106 100
91 213.0 104.1 312.3





#70

Stvrene

Concen: 0.28 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

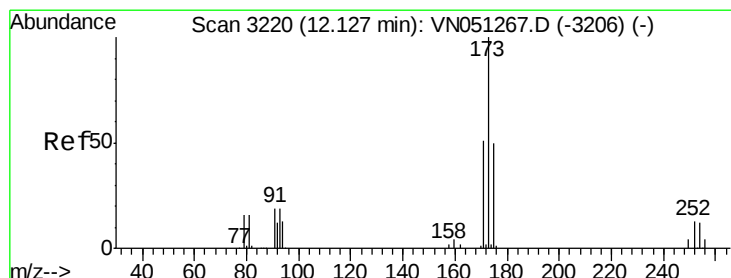
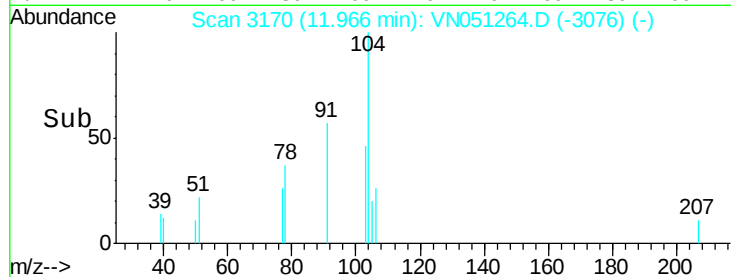
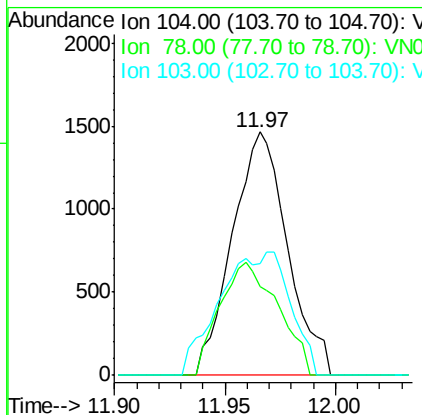
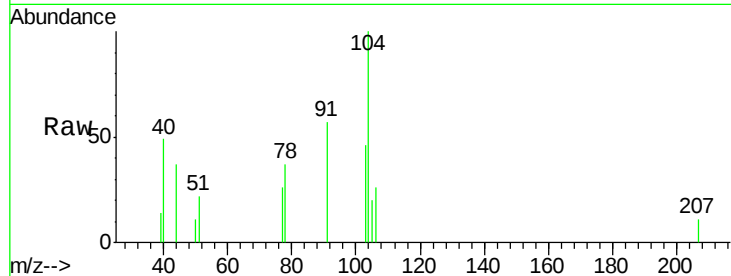
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	2545
Ion Ratio	Lower	Upper	
104	100		
78	48.8	38.1	57.1
103	34.1	44.8	67.2#

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#71

Bromoform

Concen: 0.36 ug/l

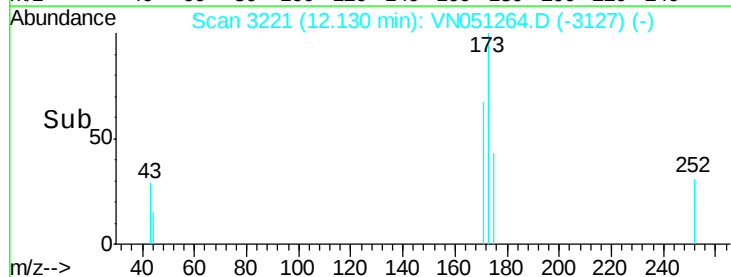
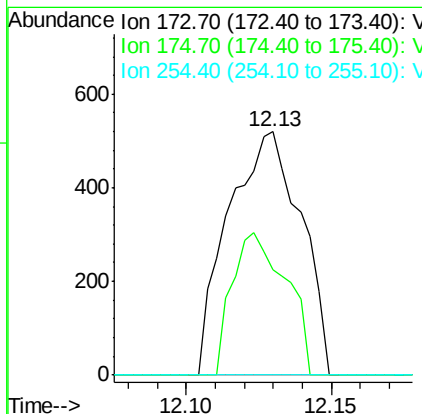
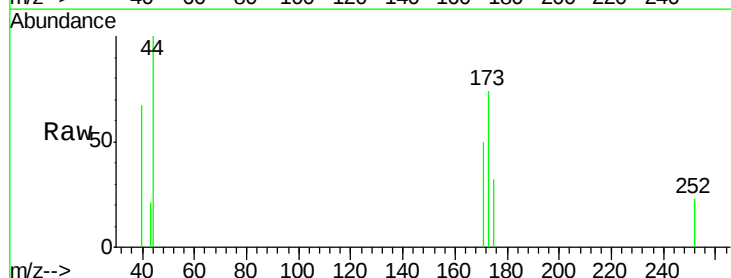
RT: 12.13 min Scan# 3221

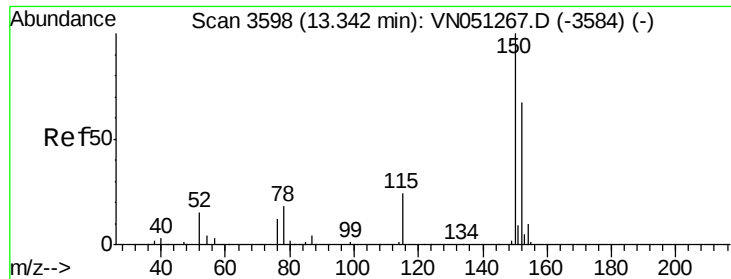
Delta R.T. 0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Tgt Ion:	173	Resp:	901
Ion Ratio	Lower	Upper	
173	100		
175	43.4	24.4	73.2
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 98722

Ion Ratio Lower Upper

152 100

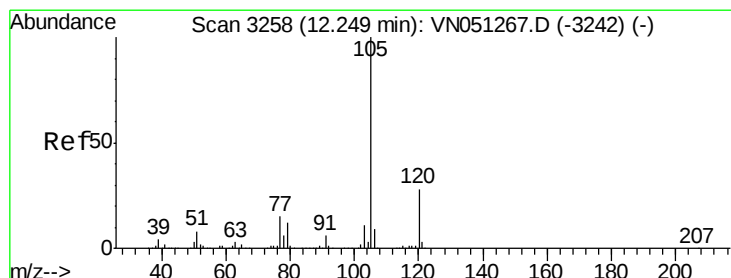
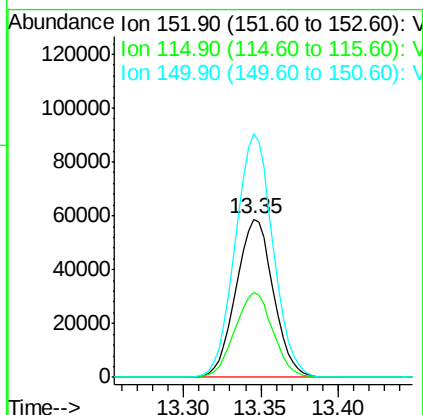
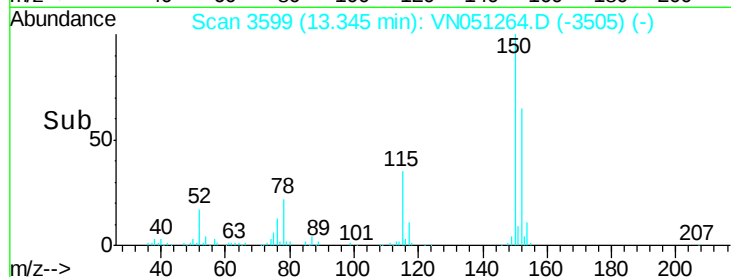
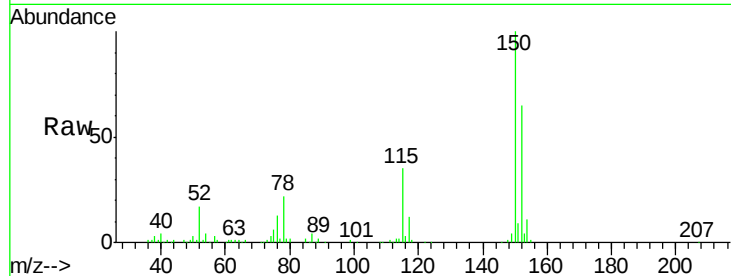
115 54.2 27.1 81.2

150 154.6 0.0 349.0

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#73

Isopropylbenzene

Concen: 0.59 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051264.D

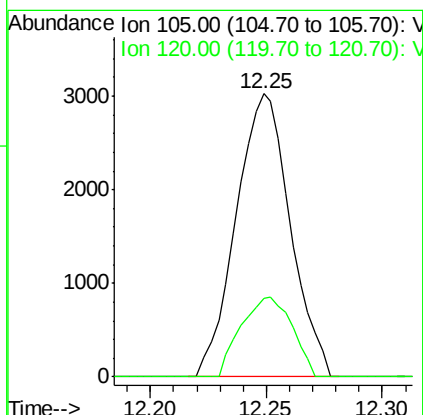
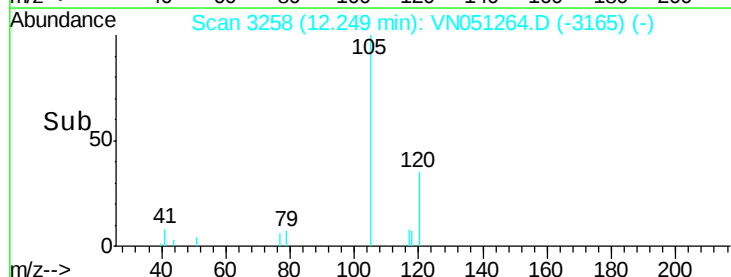
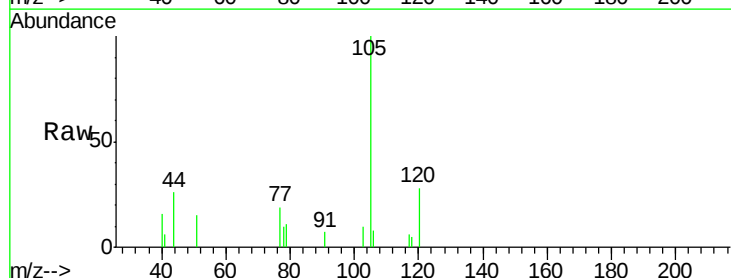
Acq: 17 Sep 2018 10:22

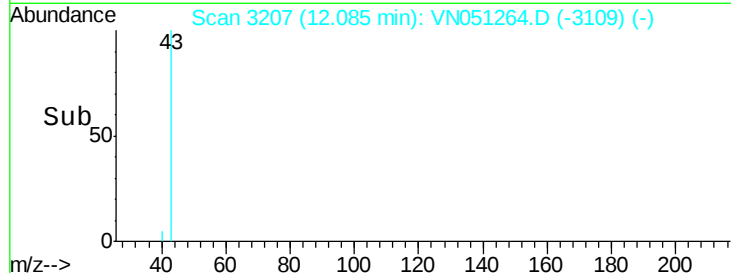
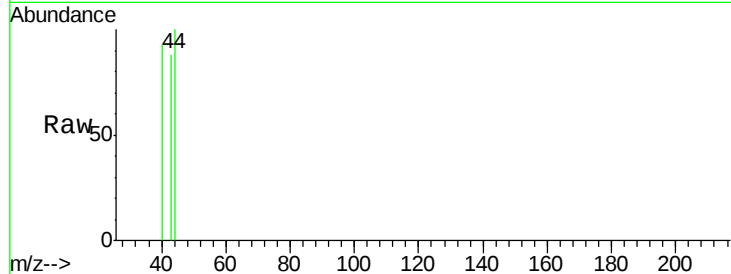
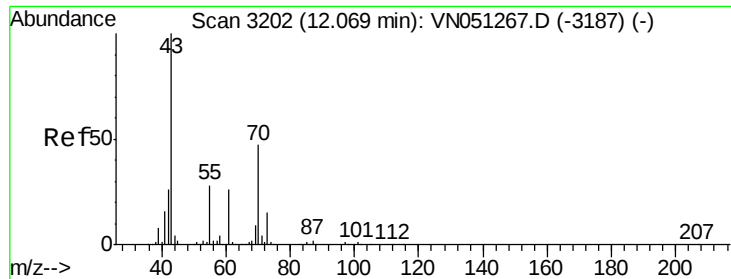
Tgt Ion:105 Resp: 4908

Ion Ratio Lower Upper

105 100

120 26.5 13.8 41.4





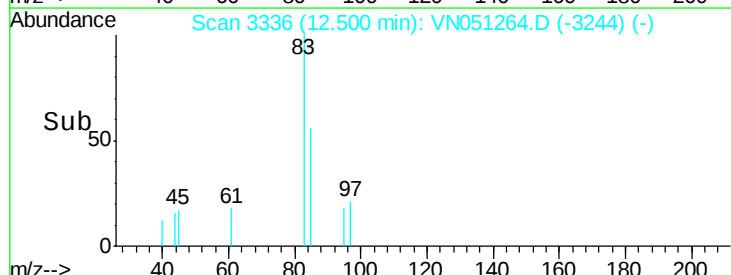
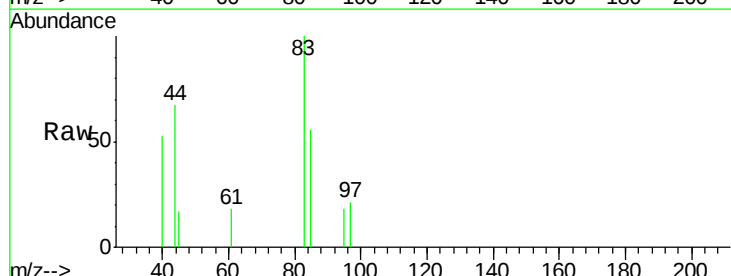
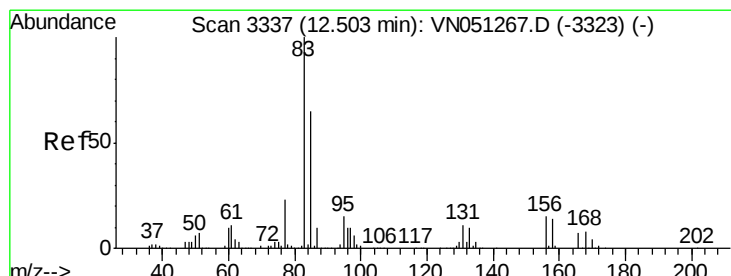
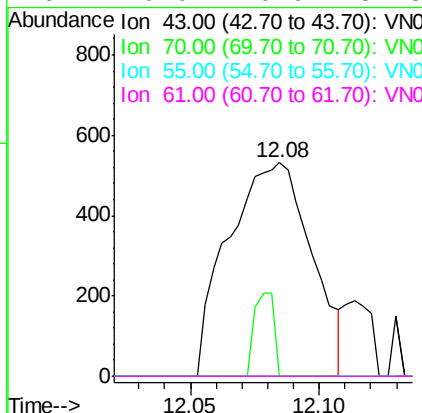
#74
N-amvl acetate
Concen: 0.58 ug/l
RT: 12.08 min Scan# 3207
Delta R.T. 0.02 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Tot Ion	Ratio	Resp	Lower	Upper
43	100	1192		
70	9.6		37.8	56.6#
55	0.0		22.6	34.0#
61	0.0		20.9	31.3#

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

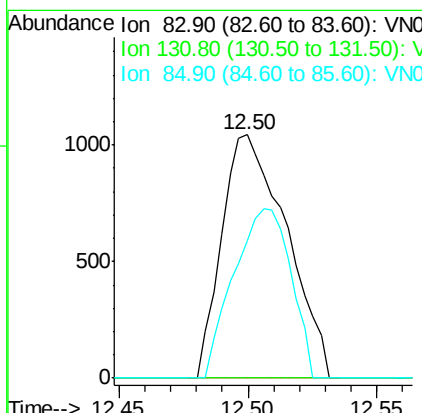
Manual Integrations
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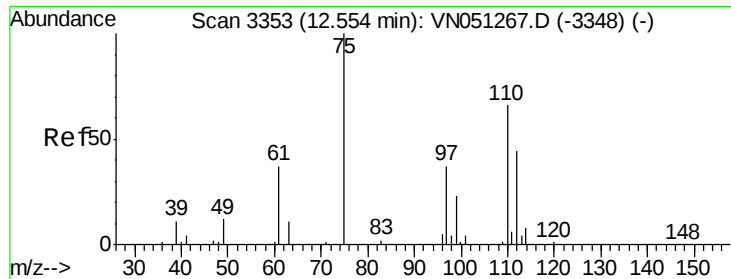
MMDadoda
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#75
1,1,2,2-Tetrachloroethane
Concen: 0.83 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN051264.D
Acq: 17 Sep 2018 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	1815		
131	0.0		5.5	16.7#
85	61.8		32.3	96.9





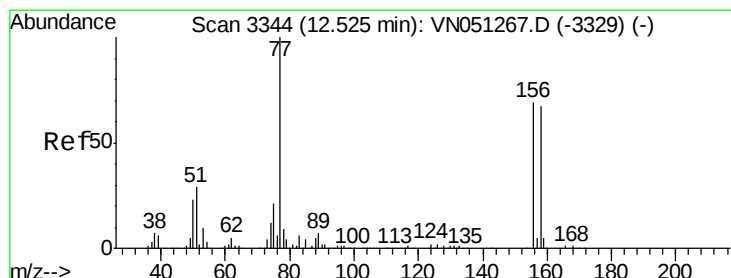
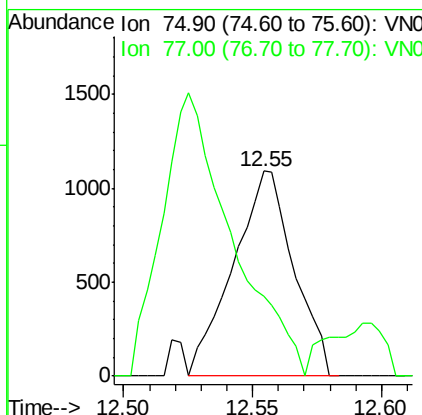
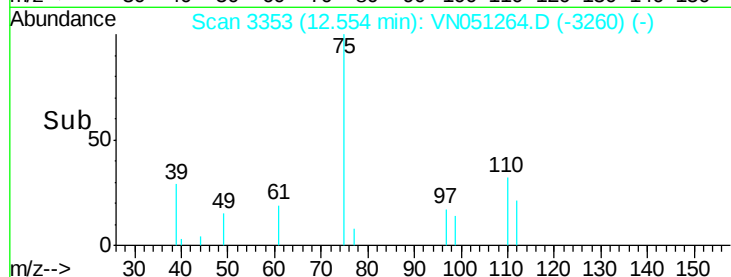
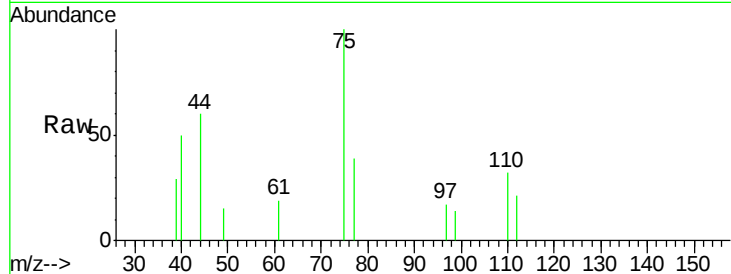
#76
 1,2,3-Trichloropropane
 Concen: 1.02 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 1793
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

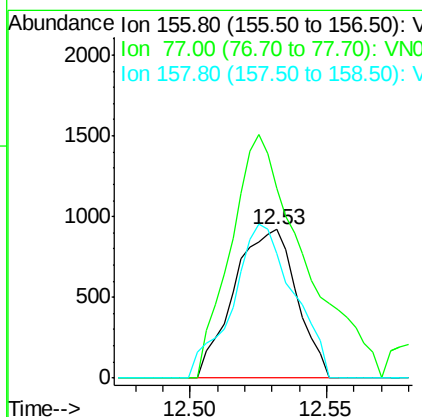
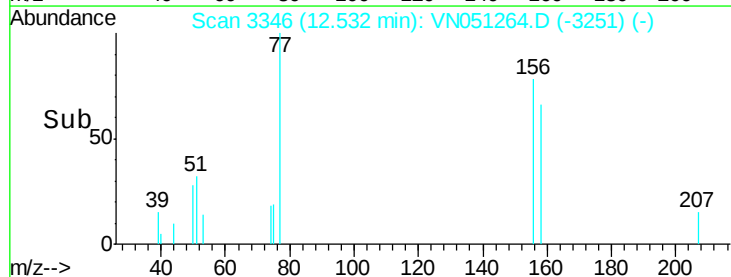
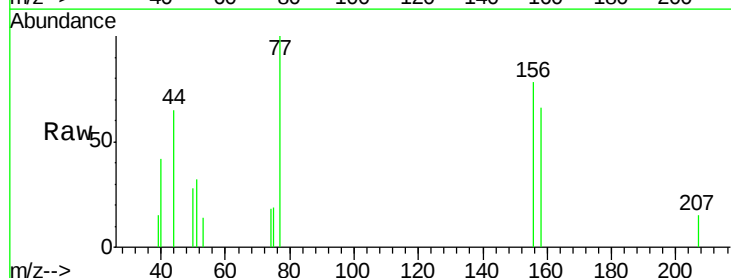
Manual Integrations
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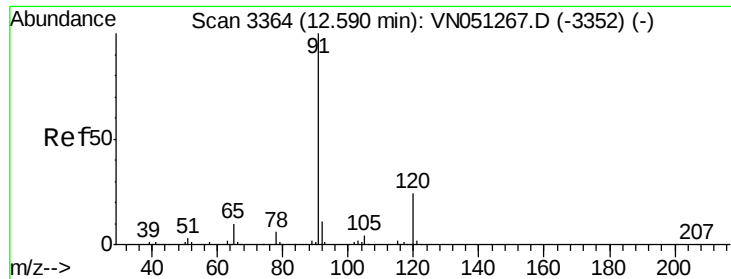
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#77
 Bromobenzene
 Concen: 0.66 ug/l
 RT: 12.53 min Scan# 3346
 Delta R.T. 0.01 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Tgt Ion: 156 Resp: 1472
 Ion Ratio Lower Upper
 156 100
 77 191.5 83.7 251.1
 158 100.5 49.0 147.2





#78

n-propylbenzene

Concen: 0.52 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 4778

Ion Ratio Lower Upper

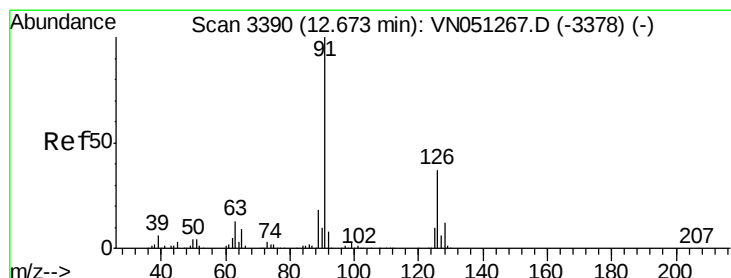
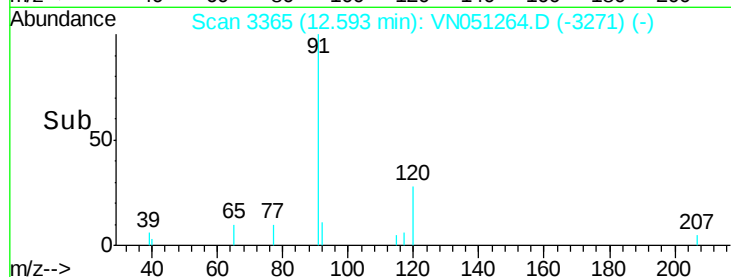
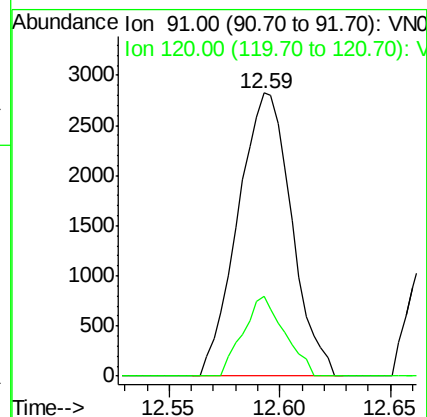
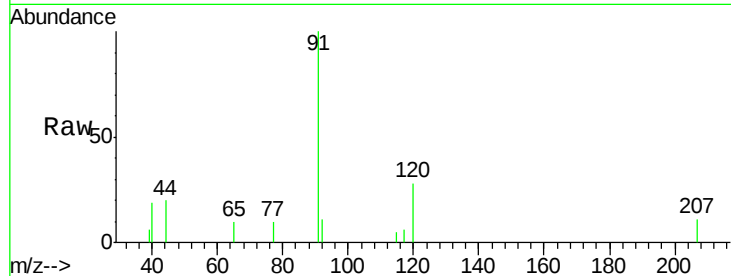
91 100

120 21.7 12.1 36.3

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#79

2-Chlorotoluene

Concen: 0.60 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051264.D

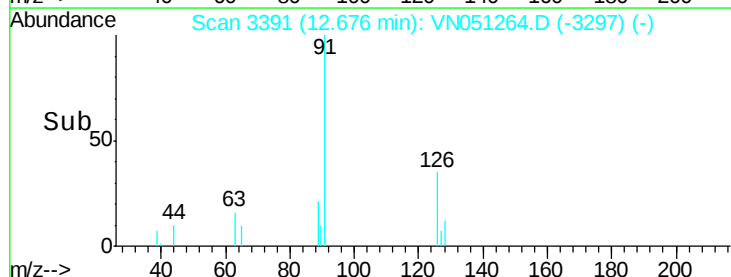
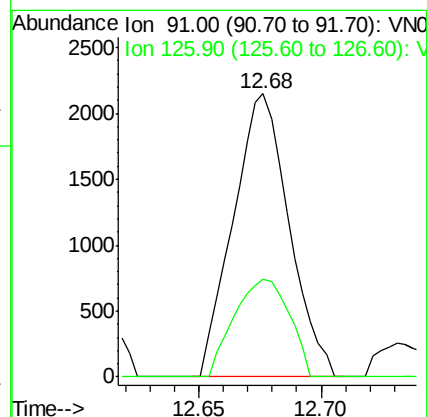
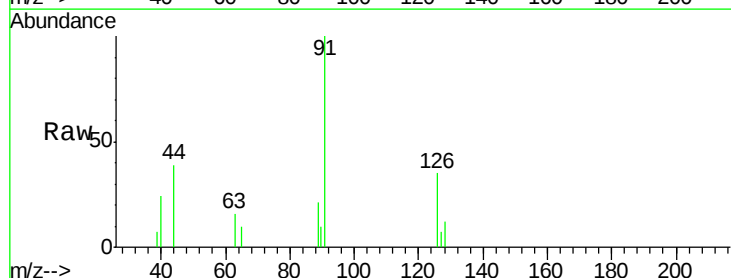
Acq: 17 Sep 2018 10:22

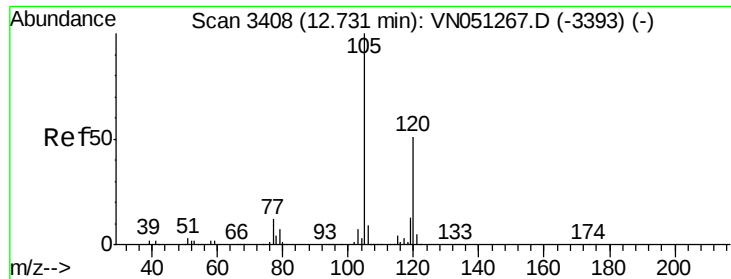
Tgt Ion: 91 Resp: 3406

Ion Ratio Lower Upper

91 100

126 34.2 18.2 54.6





#80

1,3,5-Trimethylbenzene

Concen: 0.47 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 3142

Ion Ratio Lower Upper

105 100

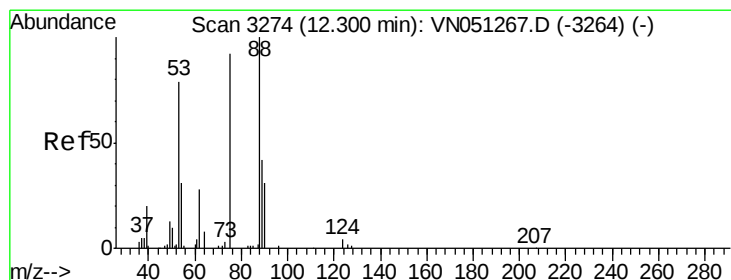
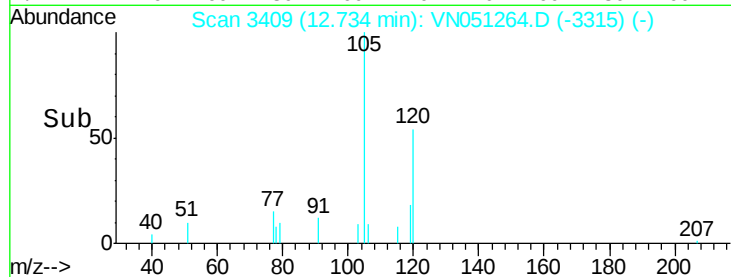
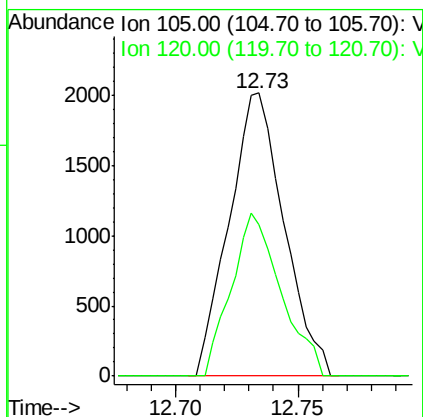
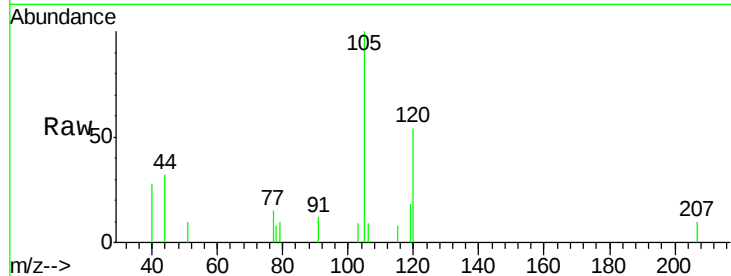
120 52.3 25.3 75.8

Manual Integrations

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#81

trans-1,4-Dichloro-2-butene

Concen: 2.11 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

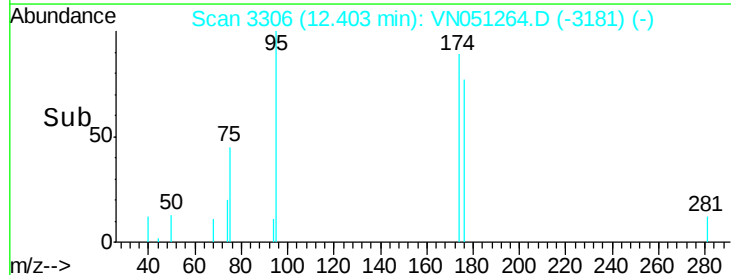
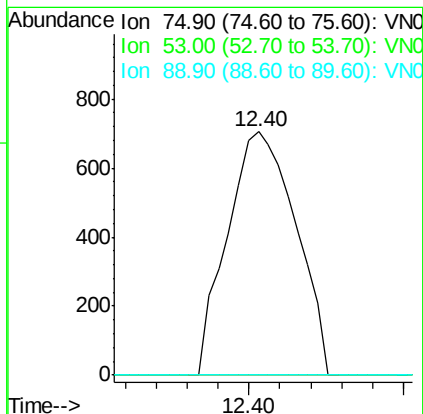
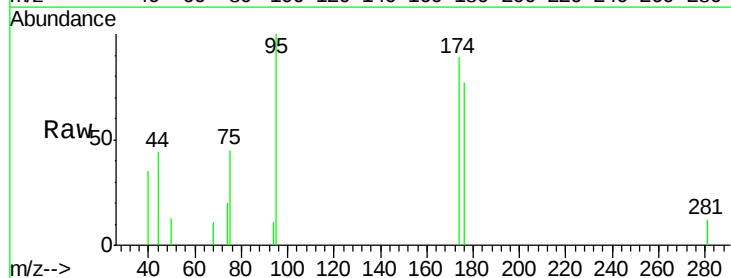
Tgt Ion: 75 Resp: 1084

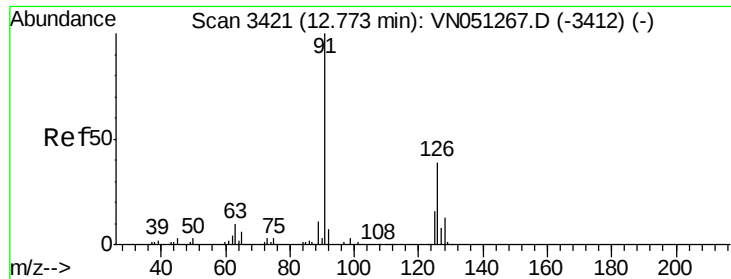
Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 36.9 55.3#





#82

4-Chlorotoluene

Concen: 0.49 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.01 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 2764

Ion Ratio Lower Upper

91 100

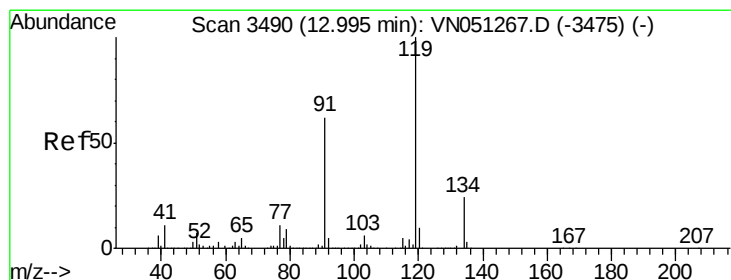
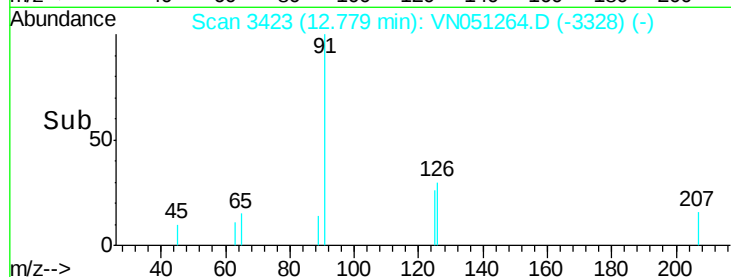
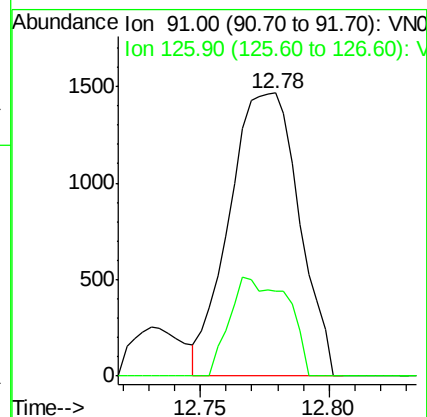
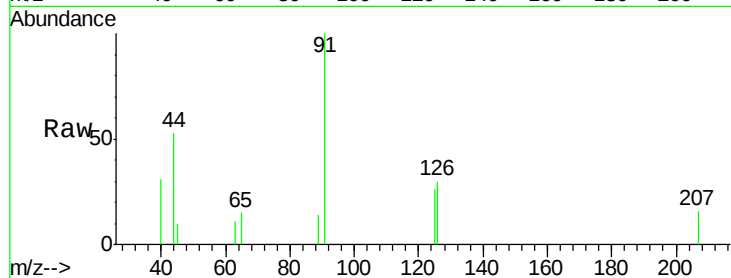
126 28.9 17.9 53.8

Manual Integrations

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#83

tert-Butylbenzene

Concen: 0.58 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

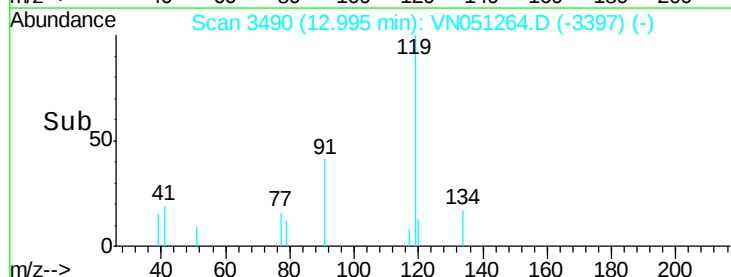
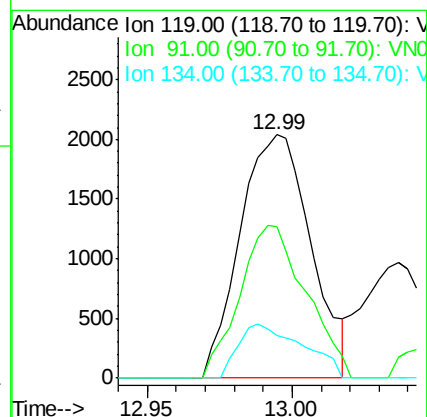
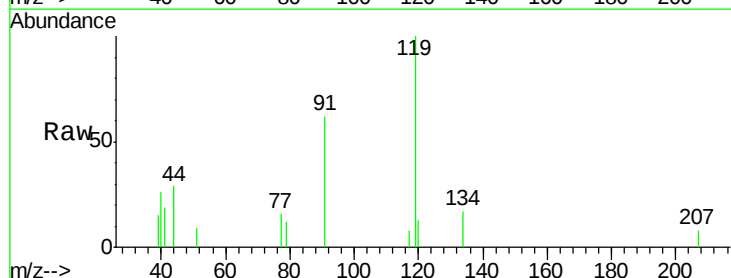
Tgt Ion: 119 Resp: 3462

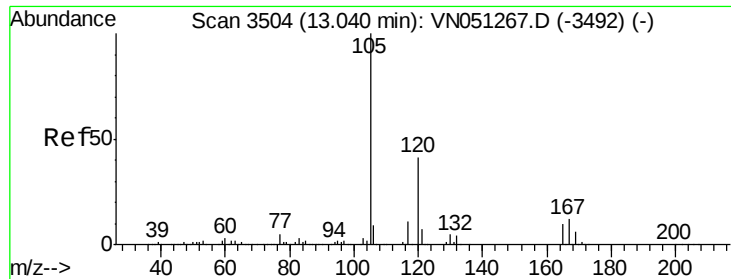
Ion Ratio Lower Upper

119 100

91 58.7 30.8 92.4

134 20.1 12.4 37.0





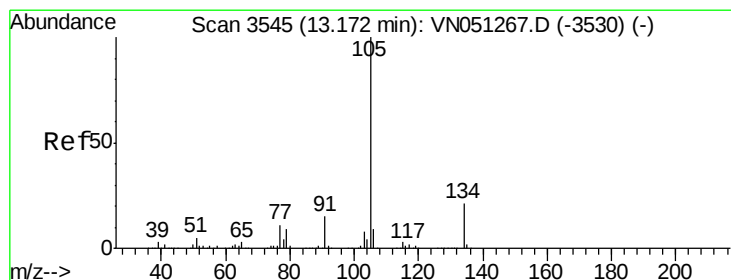
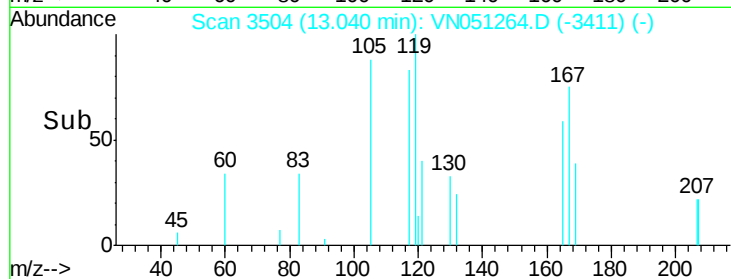
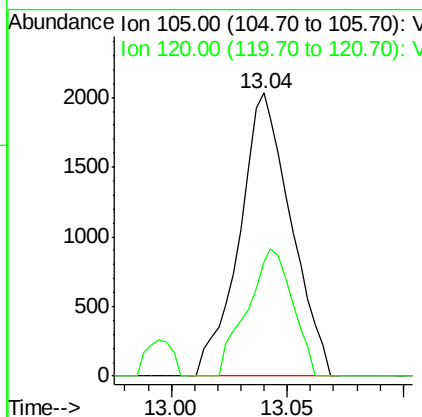
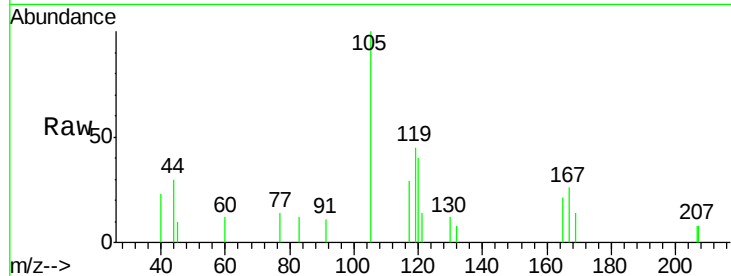
#84
 1,2,4-Trimethylbenzene
 Concen: 0.48 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 3145
 Ion Ratio Lower Upper
 105 100
 120 39.4 23.5 70.6

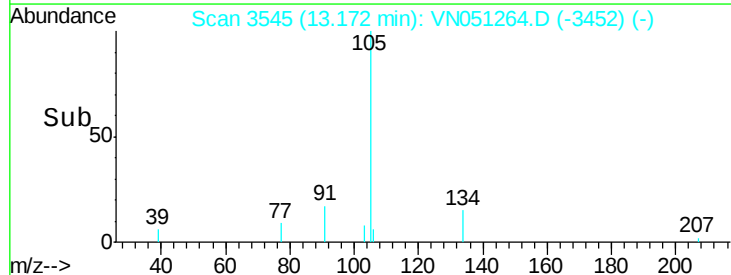
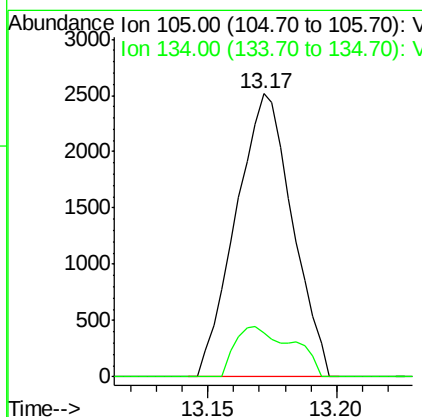
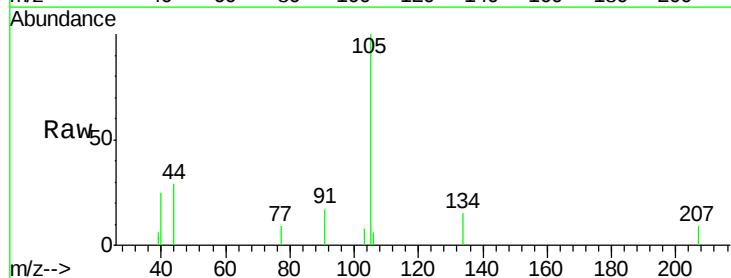
Manual Integrations
 APPROVED

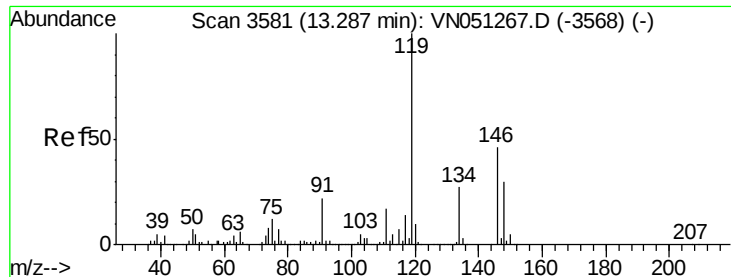
MMDadoda
 9/19/2018 4:57:47 PM



#85
 sec-Butylbenzene
 Concen: 0.50 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Tgt Ion:105 Resp: 3841
 Ion Ratio Lower Upper
 105 100
 134 17.9 10.5 31.6





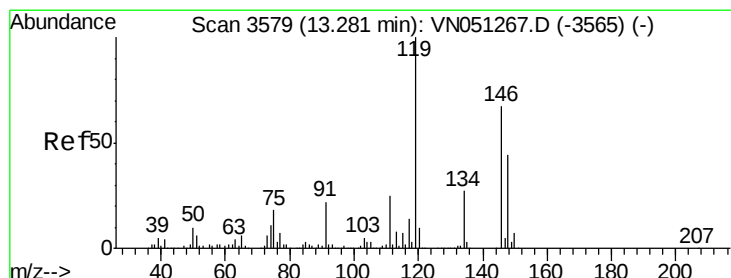
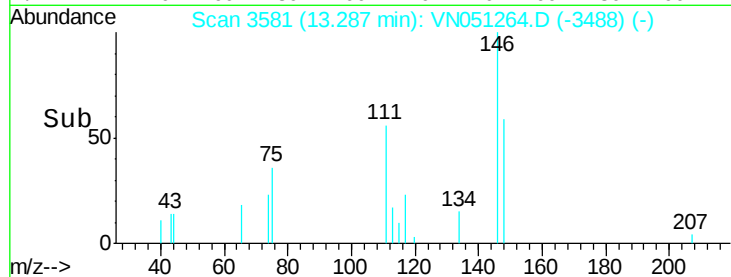
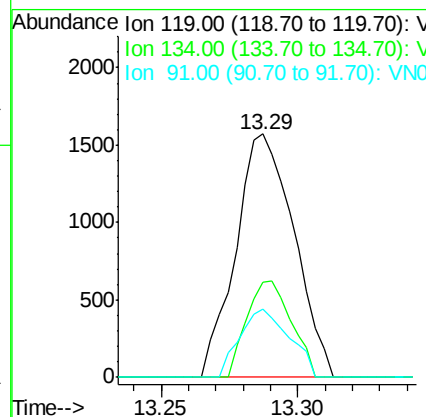
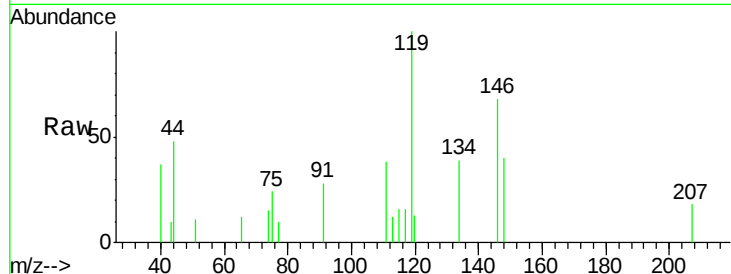
#86
 p-Isopropyltoluene
 Concen: 0.36 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	30.3	13.5	40.5
91	23.8	11.1	33.1

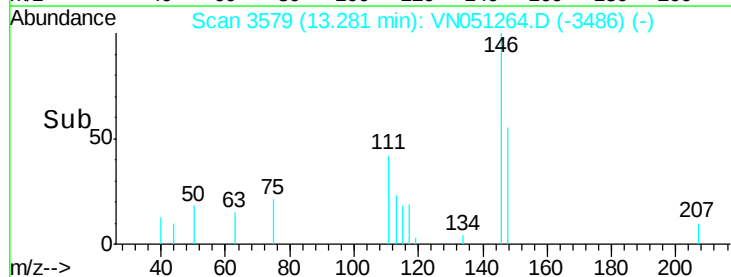
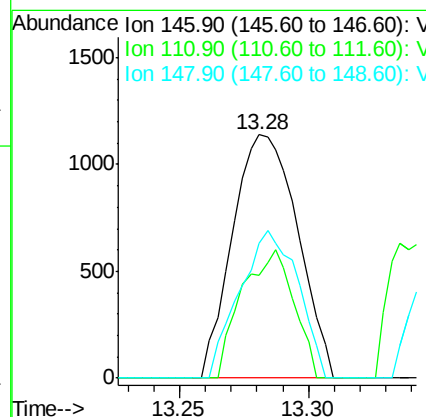
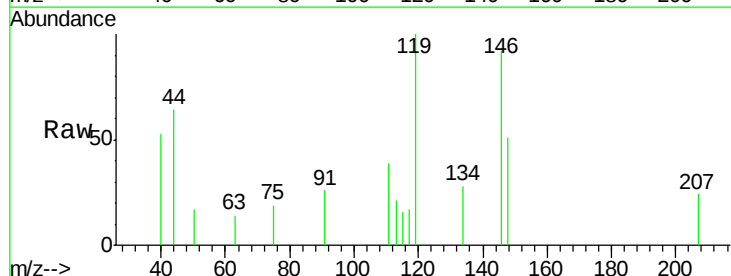
Manual Integrations
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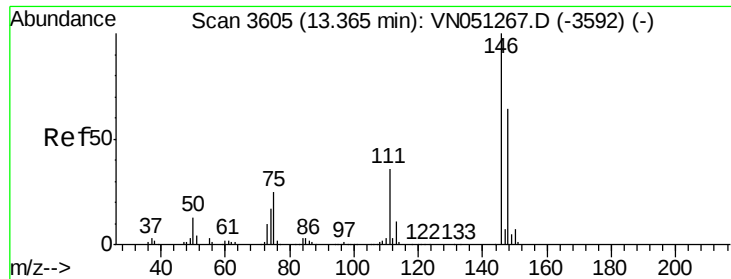
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 0.53 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	18.7	56.1
148	54.5	32.2	96.6





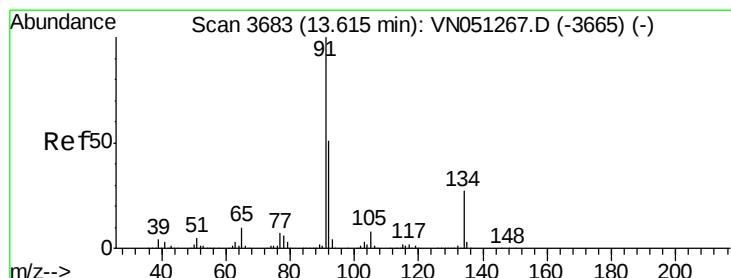
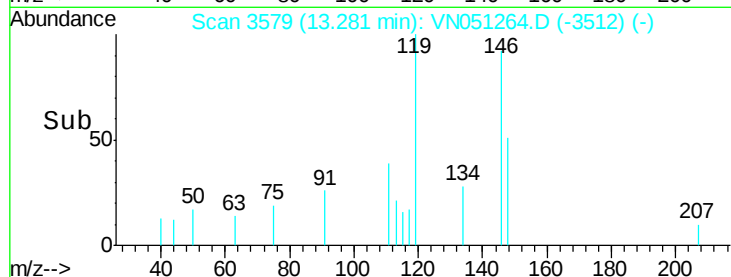
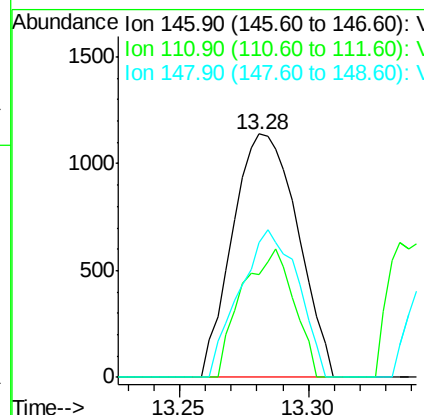
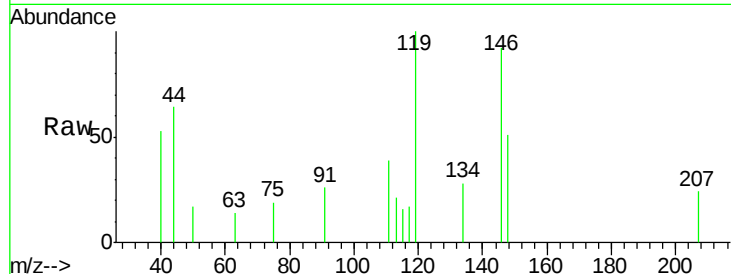
#88
 1,4-Dichlorobenzene
 Concen: 0.54 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	18.2	54.6
148	54.5	31.9	95.7

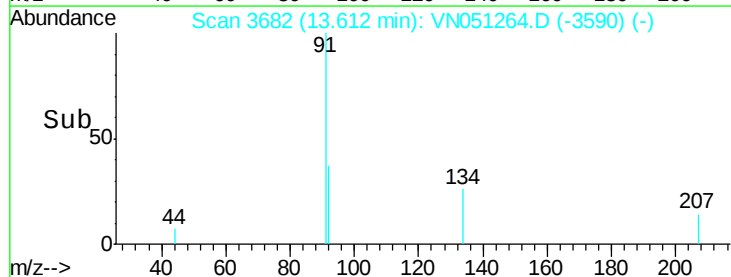
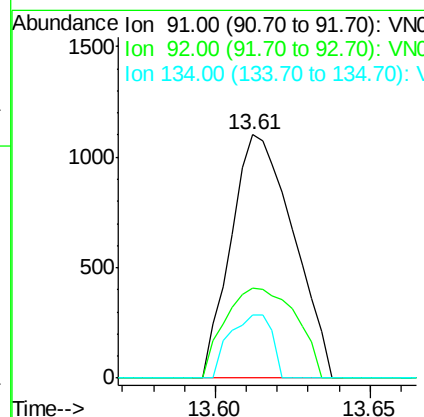
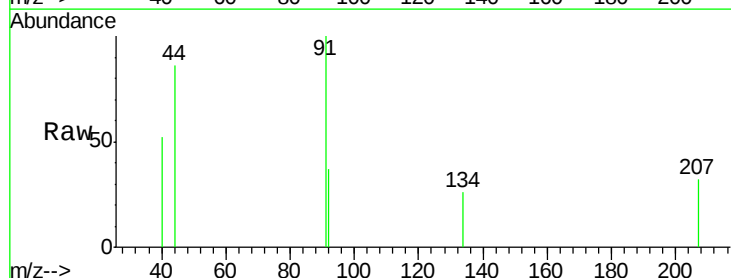
Manual Integrations
 APPROVED

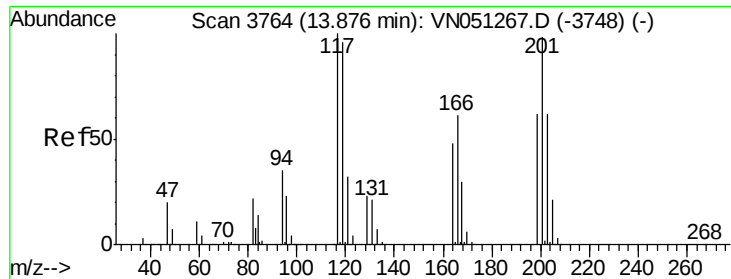
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#89
 n-Butylbenzene
 Concen: 0.31 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN051264.D
 Acq: 17 Sep 2018 10:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	42.1	25.8	77.4
134	17.5	13.7	41.0





#90

Hexachloroethane

Concen: 0.87 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:117 Resp: 1152

Ion Ratio Lower Upper

117 100

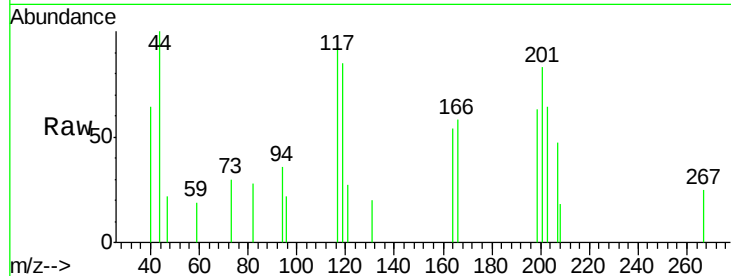
201 91.8 48.4 145.3

Manual Integrations

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.88

800

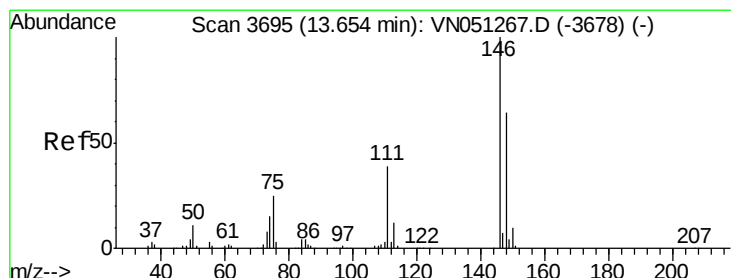
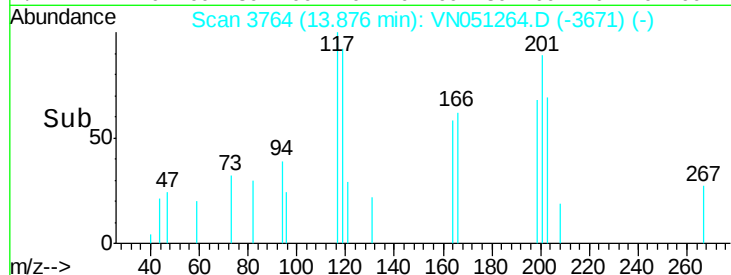
600

400

200

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.59 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

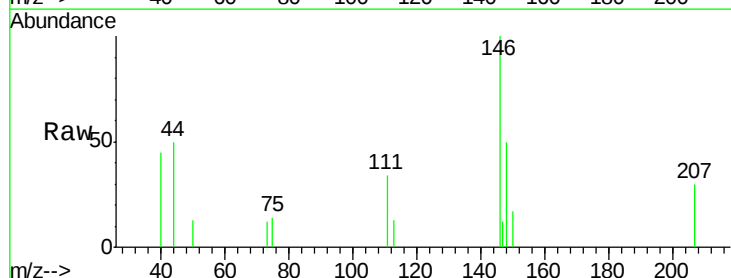
Tgt Ion:146 Resp: 2174

Ion Ratio Lower Upper

146 100

111 36.2 19.6 58.7

148 54.1 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.65

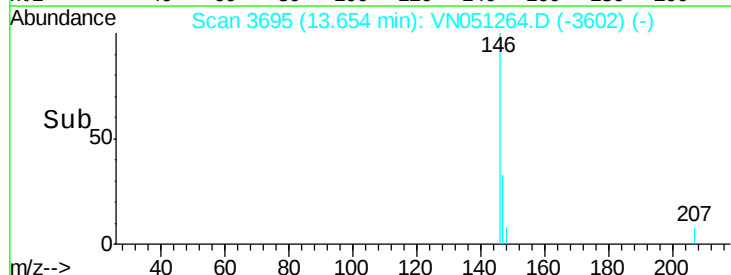
1500

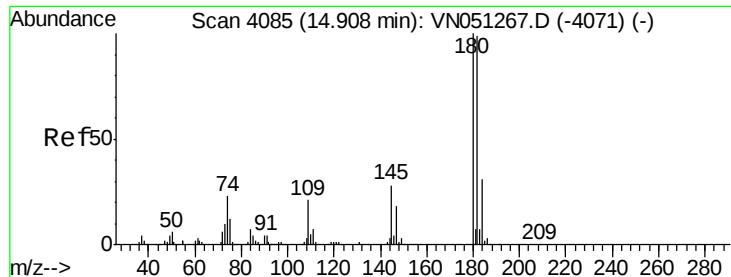
1000

500

0

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 0.51 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

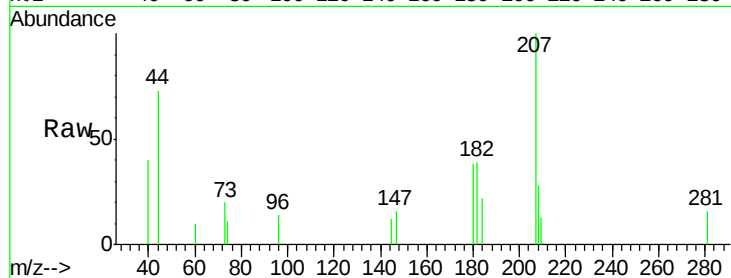
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.8	48.5	145.6
145	8.7	14.0	41.9#

Manual Integrations
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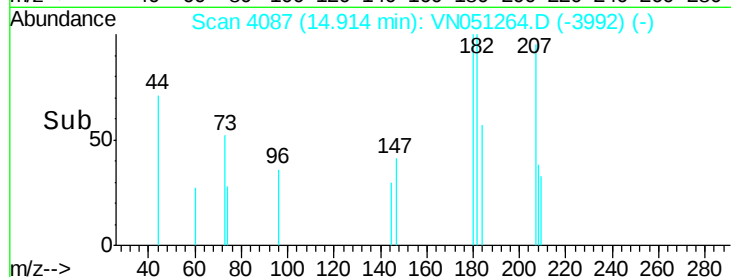
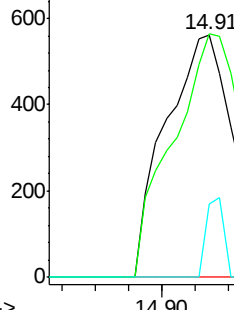
MMDadoda
9/19/2018 4:57:47 PM



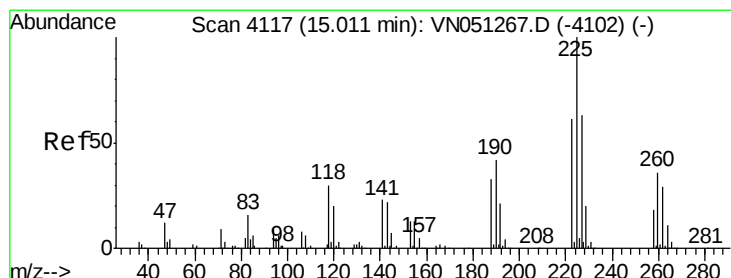
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->



#94

Hexachlorobutadiene

Concen: 0.76 ug/l

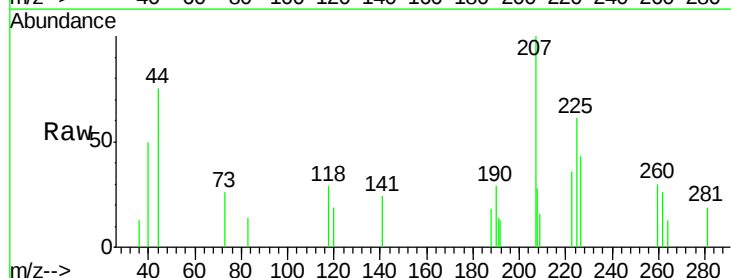
RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

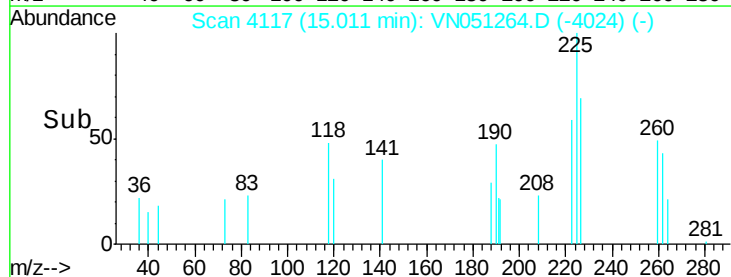
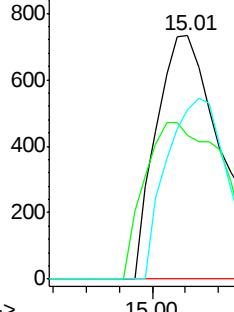
Tgt Ion	Ratio	Lower	Upper
225	100		
223	77.6	30.8	92.3
227	67.9	32.1	96.3



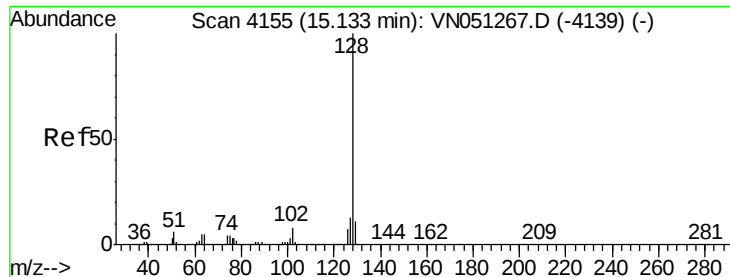
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 0.56 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Instrument :

MSVOA_N

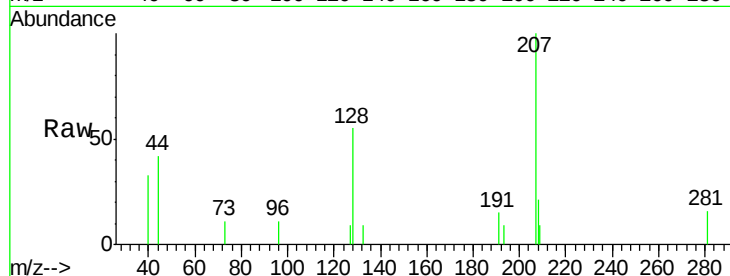
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	1822
Ion Ratio	Lower	Upper	
128	100		
127	6.8	10.7	16.1#
129	0.0	8.9	13.3#

Manual Integrations
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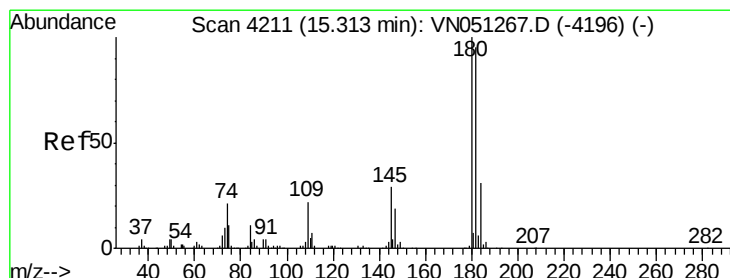
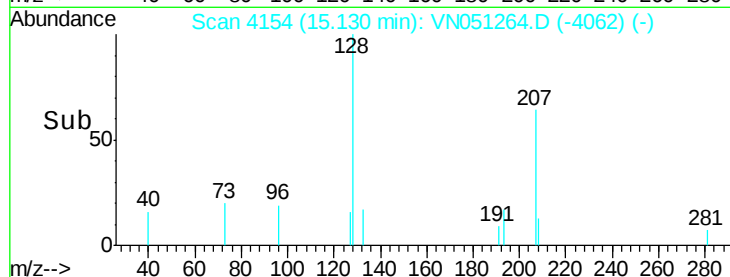
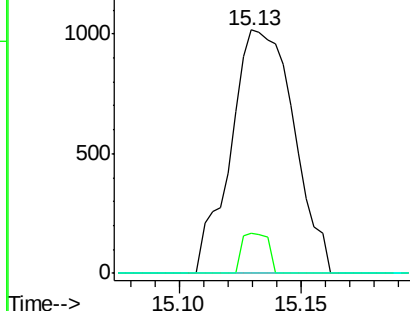
MMDadoda
9/19/2018 4:57:47 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.63 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051264.D

Acq: 17 Sep 2018 10:22

Tgt Ion:	180	Resp:	1024
Ion Ratio	Lower	Upper	
180	100		
182	102.3	47.5	142.6
145	28.3	14.8	44.4

Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

